284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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LAB CHRONICLE

OrderID:	Q3426	**OrderDate:**	10/22/2025 11:46:00 AM
Client:	G Environmental	**Project:**	Willow
Contact:	Gary Landis	**Location:**	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3426-01	**TWP2**	**Water**			**10/21/25**			**10/22/25**
			VOCMS Group1	8260-Low			10/27/25	
Q3426-01DL	**TWP2DL**	**Water**			**10/21/25**			**10/22/25**
			VOCMS Group1	8260-Low			10/28/25	
Q3426-02	**TWP3**	**Water**			**10/21/25**			**10/22/25**
			VOCMS Group1	8260-Low			10/27/25	
Q3426-03	**TWP5**	**Water**			**10/21/25**			**10/22/25**
			VOCMS Group1	8260-Low			10/27/25	
Q3426-04	**MW2**	**Water**			**10/21/25**			**10/22/25**
			VOCMS Group1	8260-Low			10/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3426

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**TWP2**								
Q3426-01	TWP2	Water	Acetone		27.7		1.50	5.00	ug/L
Q3426-01	TWP2	Water	Cyclohexane		150	E	1.50	5.00	ug/L
Q3426-01	TWP2	Water	2-Butanone		10.5		0.98	5.00	ug/L
Q3426-01	TWP2	Water	Methylcyclohexane		150	E	0.16	1.00	ug/L
Q3426-01	TWP2	Water	Benzene		150		0.15	1.00	ug/L
Q3426-01	TWP2	Water	Toluene		38.6		0.14	1.00	ug/L
Q3426-01	TWP2	Water	Ethyl Benzene		140		0.13	1.00	ug/L
Q3426-01	TWP2	Water	m/p-Xylenes		560	E	0.24	2.00	ug/L
Q3426-01	TWP2	Water	o-Xylene		100		0.12	1.00	ug/L
Q3426-01	TWP2	Water	Isopropylbenzene		8.90		0.12	1.00	ug/L
Q3426-01	TWP2	Water	1,2,4-Trimethylbenzene		220	E	0.14	1.00	ug/L
			Total Voc :		1560				
Q3426-01	TWP2	Water	Naphthalene, decahydro-, cis-	*	120	J	0	0	ug/L
Q3426-01	TWP2	Water	Indane	*	100	J	0	0	ug/L
Q3426-01	TWP2	Water	Benzene, 1-ethyl-2-methyl-	*	130	J	0	0	ug/L
Q3426-01	TWP2	Water	Benzene, 1-ethyl-3-methyl-	*	120	J	0	0	ug/L
Q3426-01	TWP2	Water	Benzene, 1-ethyl-2,4-dimethyl-	*	67.9	J	0	0	ug/L
Q3426-01	TWP2	Water	2,4-Dimethylstyrene	*	160	J	0	0	ug/L
Q3426-01	TWP2	Water	1-Methyldecahydronaphthalene	*	72.8	J	0	0	ug/L
Q3426-01	TWP2	Water	Naphthalene, decahydro-2-metl	*	140	J	0	0	ug/L
Q3426-01	TWP2	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	64.7	J	0	0	ug/L
Q3426-01	TWP2	Water	1H-Indene, 2,3-dihydro-1,2-din	*	99.3	J	0	0	ug/L
Q3426-01	TWP2	Water	Benzene, (1-methyl-1-butenyl)-	*	84.2	J	0	0	ug/L
Q3426-01	TWP2	Water	n-propylbenzene	*	15.4	J	0.13	1.00	ug/L
Q3426-01	TWP2	Water	1,3,5-Trimethylbenzene	*	110	J	0.15	1.00	ug/L
Q3426-01	TWP2	Water	sec-Butylbenzene	*	3.60	J	0.13	1.00	ug/L
Q3426-01	TWP2	Water	p-Isopropyltoluene	*	4.70	J	0.13	1.00	ug/L
Q3426-01	TWP2	Water	n-Butylbenzene	*	5.30	J	0.15	1.00	ug/L
Q3426-01	TWP2	Water	Naphthalene	*	56.5	J	0.20	1.00	ug/L
			Total Tics :		1350				
			Total Concentration:		2910				
Client ID:	**TWP2DL**								
Q3426-01DL	TWP2DL	Water	Acetone		140	D	7.60	25.0	ug/L
Q3426-01DL	TWP2DL	Water	Cyclohexane		120	D	7.30	25.0	ug/L
Q3426-01DL	TWP2DL	Water	2-Butanone		62.3	D	4.90	25.0	ug/L
Q3426-01DL	TWP2DL	Water	Methylcyclohexane		79.4	D	0.80	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q3426

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3426-01DL	TWP2DL	Water	Benzene		180	D	0.75	5.00	ug/L
Q3426-01DL	TWP2DL	Water	Toluene		43.1	D	0.70	5.00	ug/L
Q3426-01DL	TWP2DL	Water	Ethyl Benzene		140	DQ	0.65	5.00	ug/L
Q3426-01DL	TWP2DL	Water	m/p-Xylenes		550	D	1.20	10.0	ug/L
Q3426-01DL	TWP2DL	Water	o-Xylene		100	DQ	0.60	5.00	ug/L
Q3426-01DL	TWP2DL	Water	Isopropylbenzene		9.50	D	0.60	5.00	ug/L
Q3426-01DL	TWP2DL	Water	1,2,4-Trimethylbenzene		230	D	0.70	5.00	ug/L
			Total Voc :		1650				
			Total Concentration:		1650				
Client ID:	**TWP3**								
Q3426-02	TWP3	Water	Acetone		49.6	J	15.1	50.0	ug/L
Q3426-02	TWP3	Water	Cyclohexane		170		14.5	50.0	ug/L
Q3426-02	TWP3	Water	Methylcyclohexane		99.5		1.60	10.0	ug/L
Q3426-02	TWP3	Water	Benzene		610		1.50	10.0	ug/L
Q3426-02	TWP3	Water	Toluene		34.1		1.40	10.0	ug/L
Q3426-02	TWP3	Water	Ethyl Benzene		120		1.30	10.0	ug/L
Q3426-02	TWP3	Water	m/p-Xylenes		410		2.40	20.0	ug/L
Q3426-02	TWP3	Water	o-Xylene		17.7		1.20	10.0	ug/L
Q3426-02	TWP3	Water	Isopropylbenzene		29.2		1.20	10.0	ug/L
Q3426-02	TWP3	Water	1,2,4-Trimethylbenzene		230		1.40	10.0	ug/L
			Total Voc :		1770				
Q3426-02	TWP3	Water	Naphthalene, 1,2,3,4-tetrahydrc	*	84.8	J	0	0	ug/L
Q3426-02	TWP3	Water	Indane	*	310	J	0	0	ug/L
Q3426-02	TWP3	Water	Benzene, 1-ethyl-2-methyl-	*	120	J	0	0	ug/L
Q3426-02	TWP3	Water	Benzene, 1-ethyl-2,3-dimethyl-	*	52.1	J	0	0	ug/L
Q3426-02	TWP3	Water	Cyclopentene, 3-methyl-	*	67.7	J	0	0	ug/L
Q3426-02	TWP3	Water	Benzene, 2-ethenyl-1,4-dimeth	*	74.8	J	0	0	ug/L
Q3426-02	TWP3	Water	Cyclopropane, 1,2-dimethyl-, tr	*	50.9	J	0	0	ug/L
Q3426-02	TWP3	Water	Benzene, 1-ethenyl-4-ethyl-	*	180	J	0	0	ug/L
Q3426-02	TWP3	Water	n-propylbenzene	*	62.9	J	1.30	10.0	ug/L
Q3426-02	TWP3	Water	1,3,5-Trimethylbenzene	*	130	J	1.50	10.0	ug/L
Q3426-02	TWP3	Water	sec-Butylbenzene	*	7.50	J	1.30	10.0	ug/L
Q3426-02	TWP3	Water	p-Isopropyltoluene	*	6.40	J	1.30	10.0	ug/L
Q3426-02	TWP3	Water	Naphthalene	*	170	J	2.00	10.0	ug/L
			Total Tics :		1320				
			Total Concentration:		3090				
Client ID:	**TWP5**								

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Hit Summary Sheet
SW-846

SDG No.: Q3426

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3426-03	TWP5	Water	Acetone		52.4		15.1	50.0	ug/L
Q3426-03	TWP5	Water	Cyclohexane		160		14.5	50.0	ug/L
Q3426-03	TWP5	Water	Methylcyclohexane		130		1.60	10.0	ug/L
Q3426-03	TWP5	Water	Benzene		50.8		1.50	10.0	ug/L
Q3426-03	TWP5	Water	Toluene		17.6		1.40	10.0	ug/L
Q3426-03	TWP5	Water	Ethyl Benzene		370		1.30	10.0	ug/L
Q3426-03	TWP5	Water	m/p-Xylenes		1200		2.40	20.0	ug/L
Q3426-03	TWP5	Water	o-Xylene		200		1.20	10.0	ug/L
Q3426-03	TWP5	Water	Isopropylbenzene		65.7		1.20	10.0	ug/L
Q3426-03	TWP5	Water	1,2,4-Trimethylbenzene		1200		1.40	10.0	ug/L
			Total Voc :		3450				
Q3426-03	TWP5	Water	Naphthalene, 1-methyl-	*	140	J	0	0	ug/L
Q3426-03	TWP5	Water	Benzene, 1,2,4,5-tetramethyl-	*	120	J	0	0	ug/L
Q3426-03	TWP5	Water	Cyclopentane, methyl-	*	120	J	0	0	ug/L
Q3426-03	TWP5	Water	Benzene, 1,2,3,4-tetramethyl-	*	120	J	0	0	ug/L
Q3426-03	TWP5	Water	Indane	*	1100	J	0	0	ug/L
Q3426-03	TWP5	Water	o-Cymene	*	170	J	0	0	ug/L
Q3426-03	TWP5	Water	Benzene, 1-ethyl-2-methyl-	*	540	J	0	0	ug/L
Q3426-03	TWP5	Water	Benzene, 1-ethyl-4-methyl-	*	310	J	0	0	ug/L
Q3426-03	TWP5	Water	Benzene, (1,2-dimethyl-1-prop	*	72.0	J	0	0	ug/L
Q3426-03	TWP5	Water	1-Phenyl-1-butene	*	390	J	0	0	ug/L
Q3426-03	TWP5	Water	1H-Indene, 2,3-dihydro-5-meth	*	200	J	0	0	ug/L
Q3426-03	TWP5	Water	Benzene, 2-ethyl-1,4-dimethyl-	*	98.3	J	0	0	ug/L
Q3426-03	TWP5	Water	Benzene, 1-ethenyl-3-ethyl-	*	230	J	0	0	ug/L
Q3426-03	TWP5	Water	n-propylbenzene	*	160	J	1.30	10.0	ug/L
Q3426-03	TWP5	Water	1,3,5-Trimethylbenzene	*	320	J	1.50	10.0	ug/L
Q3426-03	TWP5	Water	p-Isopropyltoluene	*	6.70	J	1.30	10.0	ug/L
Q3426-03	TWP5	Water	n-Butylbenzene	*	15.1	J	1.50	10.0	ug/L
Q3426-03	TWP5	Water	Naphthalene	*	730	J	2.00	10.0	ug/L
			Total Tics :		4840				
			Total Concentration:		8290				
Client ID:	**MW2**								
Q3426-04	MW2	Water	Acetone		77.8		15.1	50.0	ug/L
Q3426-04	MW2	Water	Cyclohexane		680		14.5	50.0	ug/L
Q3426-04	MW2	Water	Methylcyclohexane		390		1.60	10.0	ug/L
Q3426-04	MW2	Water	Benzene		560		1.50	10.0	ug/L
Q3426-04	MW2	Water	Toluene		38.2		1.40	10.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q3426

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3426-04	MW2	Water	Ethyl Benzene		56.4		1.30	10.0	ug/L
Q3426-04	MW2	Water	m/p-Xylenes		98.1		2.40	20.0	ug/L
Q3426-04	MW2	Water	o-Xylene		8.70	J	1.20	10.0	ug/L
Q3426-04	MW2	Water	Isopropylbenzene		83.2		1.20	10.0	ug/L
Q3426-04	MW2	Water	1,2,4-Trimethylbenzene		23.9		1.40	10.0	ug/L
			Total Voc :		2020				
Q3426-04	MW2	Water	Cyclopentane, methyl-	*	310	J	0	0	ug/L
Q3426-04	MW2	Water	Cyclohexene	*	160	J	0	0	ug/L
Q3426-04	MW2	Water	Benzene, 1-ethyl-2-methyl-	*	80.2	J	0	0	ug/L
Q3426-04	MW2	Water	2-Pentene, 4-methyl-, (Z)-	*	89.0	J	0	0	ug/L
Q3426-04	MW2	Water	Cyclopentene, 1-methyl-	*	120	J	0	0	ug/L
Q3426-04	MW2	Water	1H-Indene, 2,3-dihydro-2-meth	*	93.1	J	0	0	ug/L
Q3426-04	MW2	Water	Cyclopropane, 1,2-dimethyl-, c	*	90.0	J	0	0	ug/L
Q3426-04	MW2	Water	Cyclobutane, (1-methylethylide	*	110	J	0	0	ug/L
Q3426-04	MW2	Water	Benzene, 2-ethenyl-1,4-dimethy	*	200	J	0	0	ug/L
Q3426-04	MW2	Water	1,3,5-Cycloheptatriene, 3,7,7-tr	*	91.8	J	0	0	ug/L
Q3426-04	MW2	Water	Benzene, 1-ethenyl-3-ethyl-	*	130	J	0	0	ug/L
Q3426-04	MW2	Water	2,4-Hexadiene, 2-methyl-	*	120	J	0	0	ug/L
Q3426-04	MW2	Water	n-propylbenzene	*	150	J	1.30	10.0	ug/L
Q3426-04	MW2	Water	1,3,5-Trimethylbenzene	*	47.7	J	1.50	10.0	ug/L
Q3426-04	MW2	Water	sec-Butylbenzene	*	7.00	J	1.30	10.0	ug/L
Q3426-04	MW2	Water	p-Isopropyltoluene	*	5.20	J	1.30	10.0	ug/L
Q3426-04	MW2	Water	n-Butylbenzene	*	9.40	J	1.50	10.0	ug/L
Q3426-04	MW2	Water	Naphthalene	*	36.0	J	2.00	10.0	ug/L
			Total Tics :		1850				
			Total Concentration:		3870				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3426

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3426-01	TWP2	1,2-Dichloroethane-d4	50	59.6	119		74	125
		Dibromofluoromethane	50	49.5	99		75	124
		Toluene-d8	50	49.2	98		86	113
		4-Bromofluorobenzene	50	61.9	124	*	77	121
Q3426-01DL	TWP2DL	1,2-Dichloroethane-d4	50	52.6	105		74	125
		Dibromofluoromethane	50	45.1	90		75	124
		Toluene-d8	50	43.8	88		86	113
		4-Bromofluorobenzene	50	50.8	102		77	121
Q3426-02	TWP3	1,2-Dichloroethane-d4	50	54.2	108		74	125
		Dibromofluoromethane	50	46.6	93		75	124
		Toluene-d8	50	44.4	89		86	113
		4-Bromofluorobenzene	50	48.9	98		77	121
Q3426-03	TWP5	1,2-Dichloroethane-d4	50	56.5	113		74	125
		Dibromofluoromethane	50	46.6	93		75	124
		Toluene-d8	50	44.8	90		86	113
		4-Bromofluorobenzene	50	49.7	99		77	121
Q3426-04	MW2	1,2-Dichloroethane-d4	50	60.6	121		74	125
		Dibromofluoromethane	50	48.9	98		75	124
		Toluene-d8	50	45.8	92		86	113
		4-Bromofluorobenzene	50	52.5	105		77	121
VN1027WBL01	VN1027WBL01	1,2-Dichloroethane-d4	50	61.1	122		74	125
		Dibromofluoromethane	50	52.8	106		75	124
		Toluene-d8	50	49.9	100		86	113
		4-Bromofluorobenzene	50	52.0	104		77	121
VN1027WBS01	VN1027WBS01	1,2-Dichloroethane-d4	50	56.2	112		74	125
		Dibromofluoromethane	50	53.2	106		75	124
		Toluene-d8	50	51.1	102		86	113
		4-Bromofluorobenzene	50	52.6	105		77	121
VN1027WBSD0	VN1027WBSD01	1,2-Dichloroethane-d4	50	56.4	113		74	125
		Dibromofluoromethane	50	53.0	106		75	124
		Toluene-d8	50	51.0	102		86	113
		4-Bromofluorobenzene	50	52.9	106		77	121
VN1028WBL01	VN1028WBL01	1,2-Dichloroethane-d4	50	54.8	110		74	125
		Dibromofluoromethane	50	46.8	94		75	124
		Toluene-d8	50	44.8	90		86	113
		4-Bromofluorobenzene	50	48.3	97		77	121
VN1028WBS02	VN1028WBS02	1,2-Dichloroethane-d4	50	48.6	97		74	125
		Dibromofluoromethane	50	47.6	95		75	124
		Toluene-d8	50	46.6	93		86	113
		4-Bromofluorobenzene	50	47.9	96		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3426 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN088105.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1027WBS01	Dichlorodifluoromethane	20	20.8	ug/L	104			69	116	
	Chloromethane	20	21.3	ug/L	106			65	116	
	Vinyl chloride	20	21.1	ug/L	106			65	117	
	Bromomethane	20	20.3	ug/L	102			58	125	
	Chloroethane	20	18.8	ug/L	94			56	128	
	Trichlorofluoromethane	20	19.7	ug/L	99			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101			80	112	
	Tert butyl alcohol	100	110	ug/L	110			48	142	
	1,1-Dichloroethene	20	19.1	ug/L	96			74	110	
	Acetone	100	100	ug/L	100			60	125	
	Carbon disulfide	20	19.9	ug/L	100			64	112	
	Methyl tert-butyl Ether	20	21.8	ug/L	109			78	114	
	Methyl Acetate	20	22.6	ug/L	113			67	125	
	Methylene Chloride	20	23.6	ug/L	118		*	72	114	
	trans-1,2-Dichloroethene	20	20.2	ug/L	101			75	108	
	1,1-Dichloroethane	20	22.2	ug/L	111			78	112	
	Cyclohexane	20	21.0	ug/L	105			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	22.2	ug/L	111			77	113	
	cis-1,2-Dichloroethene	20	21.2	ug/L	106			77	110	
	Bromochloromethane	20	25.0	ug/L	125		*	70	124	
	Chloroform	20	22.7	ug/L	114		*	79	113	
	1,1,1-Trichloroethane	20	21.8	ug/L	109		*	80	108	
	Methylcyclohexane	20	19.8	ug/L	99			72	115	
	Benzene	20	21.8	ug/L	109			82	109	
	1,2-Dichloroethane	20	24.4	ug/L	122		*	80	115	
	Trichloroethene	20	21.1	ug/L	106			77	113	
	1,2-Dichloropropane	20	21.9	ug/L	110			83	111	
	Bromodichloromethane	20	22.8	ug/L	114		*	83	110	
	4-Methyl-2-Pentanone	100	120	ug/L	120		*	74	118	
	Toluene	20	21.5	ug/L	108			82	110	
	t-1,3-Dichloropropene	20	21.9	ug/L	110			79	110	
	cis-1,3-Dichloropropene	20	22.3	ug/L	112		*	82	110	
	1,1,2-Trichloroethane	20	22.1	ug/L	111			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	21.5	ug/L	108			82	110	
	1,2-Dibromoethane	20	22.1	ug/L	111		*	81	110	
	Tetrachloroethene	20	20.9	ug/L	104			67	123	
	Chlorobenzene	20	21.3	ug/L	106			82	109	
	Ethyl Benzene	20	20.9	ug/L	104			83	109	
	m/p-Xylenes	40	42.1	ug/L	105			82	110	
	o-Xylene	20	21.2	ug/L	106			83	109	
	Styrene	20	21.9	ug/L	110			80	111	
	Bromoform	20	21.8	ug/L	109			79	109	
	Isopropylbenzene	20	20.1	ug/L	101			83	112	
	1,1,2,2-Tetrachloroethane	20	21.5	ug/L	108			76	118	
	1,2,4-Trimethylbenzene	20	20.6	ug/L	103			85	111	
	1,3-Dichlorobenzene	20	20.8	ug/L	104			82	108	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3426 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN088105.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1027WBS01	1,4-Dichlorobenzene	20	20.1	ug/L	101			82	107	
	1,2-Dichlorobenzene	20	20.7	ug/L	104			82	109	
	1,2-Dibromo-3-Chloropropane	20	21.0	ug/L	105			68	112	
	1,2,4-Trichlorobenzene	20	20.7	ug/L	104			75	113	
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3426 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN088106.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1027WBSD01	Dichlorodifluoromethane	20	21.5	ug/L	108	4		69	116	19
	Chloromethane	20	21.1	ug/L	106	0		65	116	21
	Vinyl chloride	20	20.9	ug/L	104	2		65	117	19
	Bromomethane	20	20.2	ug/L	101	1		58	125	20
	Chloroethane	20	18.9	ug/L	95	1		56	128	20
	Trichlorofluoromethane	20	19.6	ug/L	98	1		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101	0		80	112	15
	Tert butyl alcohol	100	120	ug/L	120	9		48	142	30
	1,1-Dichloroethene	20	18.9	ug/L	95	1		74	110	20
	Acetone	100	100	ug/L	100	0		60	125	20
	Carbon disulfide	20	19.9	ug/L	100	0		64	112	20
	Methyl tert-butyl Ether	20	21.8	ug/L	109	0		78	114	20
	Methyl Acetate	20	23.1	ug/L	116	3		67	125	20
	Methylene Chloride	20	23.4	ug/L	117	1	*	72	114	20
	trans-1,2-Dichloroethene	20	19.4	ug/L	97	4		75	108	16
	1,1-Dichloroethane	20	22.1	ug/L	111	0		78	112	20
	Cyclohexane	20	21.3	ug/L	106	1		75	110	20
	2-Butanone	100	110	ug/L	110	0		65	122	26
	Carbon Tetrachloride	20	21.7	ug/L	109	2		77	113	15
	cis-1,2-Dichloroethene	20	20.8	ug/L	104	2		77	110	20
	Bromochloromethane	20	25.2	ug/L	126	1	*	70	124	20
	Chloroform	20	21.9	ug/L	110	4		79	113	20
	1,1,1-Trichloroethane	20	21.6	ug/L	108	1		80	108	20
	Methylcyclohexane	20	20.5	ug/L	103	4		72	115	20
	Benzene	20	21.8	ug/L	109	0		82	109	15
	1,2-Dichloroethane	20	24.5	ug/L	123	1	*	80	115	20
	Trichloroethene	20	21.3	ug/L	106	0		77	113	15
	1,2-Dichloropropane	20	22.8	ug/L	114	4	*	83	111	16
	Bromodichloromethane	20	23.2	ug/L	116	2	*	83	110	16
	4-Methyl-2-Pentanone	100	120	ug/L	120	0	*	74	118	25
	Toluene	20	21.6	ug/L	108	0		82	110	16
	t-1,3-Dichloropropene	20	22.6	ug/L	113	3	*	79	110	20
	cis-1,3-Dichloropropene	20	22.4	ug/L	112	0	*	82	110	16
	1,1,2-Trichloroethane	20	22.2	ug/L	111	0		83	112	20
	2-Hexanone	100	120	ug/L	120	9	*	73	117	25
	Dibromochloromethane	20	22.0	ug/L	110	2		82	110	20
	1,2-Dibromoethane	20	22.7	ug/L	114	3	*	81	110	20
	Tetrachloroethene	20	21.4	ug/L	107	3		67	123	15
	Chlorobenzene	20	21.2	ug/L	106	0		82	109	15
	Ethyl Benzene	20	21.4	ug/L	107	3		83	109	16
	m/p-Xylenes	40	42.3	ug/L	106	1		82	110	15
	o-Xylene	20	21.4	ug/L	107	1		83	109	20
	Styrene	20	22.1	ug/L	111	1		80	111	17
	Bromoform	20	22.7	ug/L	114	4	*	79	109	20
	Isopropylbenzene	20	20.6	ug/L	103	2		83	112	29
	1,1,2,2-Tetrachloroethane	20	22.4	ug/L	112	4		76	118	20
	1,2,4-Trimethylbenzene	20	21.2	ug/L	106	3		85	111	20
	1,3-Dichlorobenzene	20	21.5	ug/L	108	4		82	108	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3426 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN088106.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1027WBSD01	1,4-Dichlorobenzene	20	20.8	ug/L	104	3		82	107	15
	1,2-Dichlorobenzene	20	21.7	ug/L	109	5		82	109	20
	1,2-Dibromo-3-Chloropropane	20	23.7	ug/L	119	13	*	68	112	20
	1,2,4-Trichlorobenzene	20	21.6	ug/L	108	4		75	113	29
	1,2,3-Trichlorobenzene	20	21.4	ug/L	107	4		76	114	29

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3426 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN088131.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1028WBS02	Dichlorodifluoromethane	20	21.2	ug/L	106			69	116	
	Chloromethane	20	19.9	ug/L	100			65	116	
	Vinyl chloride	20	20.9	ug/L	104			65	117	
	Bromomethane	20	18.2	ug/L	91			58	125	
	Chloroethane	20	18.0	ug/L	90			56	128	
	Trichlorofluoromethane	20	19.9	ug/L	100			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/L	103			80	112	
	Tert butyl alcohol	100	110	ug/L	110			48	142	
	1,1-Dichloroethene	20	18.9	ug/L	95			74	110	
	Acetone	100	100	ug/L	100			60	125	
	Carbon disulfide	20	19.3	ug/L	97			64	112	
	Methyl tert-butyl Ether	20	21.2	ug/L	106			78	114	
	Methyl Acetate	20	22.0	ug/L	110			67	125	
	Methylene Chloride	20	22.1	ug/L	111			72	114	
	trans-1,2-Dichloroethene	20	19.8	ug/L	99			75	108	
	1,1-Dichloroethane	20	21.6	ug/L	108			78	112	
	Cyclohexane	20	21.2	ug/L	106			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	22.4	ug/L	112			77	113	
	cis-1,2-Dichloroethene	20	20.2	ug/L	101			77	110	
	Bromochloromethane	20	18.2	ug/L	91			70	124	
	Chloroform	20	21.3	ug/L	106			79	113	
	1,1,1-Trichloroethane	20	21.3	ug/L	106			80	108	
	Methylcyclohexane	20	20.9	ug/L	104			72	115	
	Benzene	20	21.7	ug/L	109			82	109	
	1,2-Dichloroethane	20	23.7	ug/L	119		*	80	115	
	Trichloroethene	20	21.2	ug/L	106			77	113	
	1,2-Dichloropropane	20	21.8	ug/L	109			83	111	
	Bromodichloromethane	20	22.3	ug/L	112		*	83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	21.5	ug/L	108			82	110	
	t-1,3-Dichloropropene	20	21.3	ug/L	106			79	110	
	cis-1,3-Dichloropropene	20	21.8	ug/L	109			82	110	
	1,1,2-Trichloroethane	20	21.7	ug/L	109			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	20.8	ug/L	104			82	110	
	1,2-Dibromoethane	20	21.2	ug/L	106			81	110	
	Tetrachloroethene	20	20.8	ug/L	104			67	123	
	Chlorobenzene	20	21.2	ug/L	106			82	109	
	Ethyl Benzene	20	22.0	ug/L	110		*	83	109	
	m/p-Xylenes	40	43.2	ug/L	108			82	110	
	o-Xylene	20	22.1	ug/L	111		*	83	109	
	Styrene	20	22.0	ug/L	110			80	111	
	Bromoform	20	21.0	ug/L	105			79	109	
	Isopropylbenzene	20	21.3	ug/L	106			83	112	
	1,1,2,2-Tetrachloroethane	20	21.7	ug/L	109			76	118	
	1,2,4-Trimethylbenzene	20	22.0	ug/L	110			85	111	
	1,3-Dichlorobenzene	20	21.6	ug/L	108			82	108	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3426 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN088131.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1028WBS02	1,4-Dichlorobenzene	20	21.1	ug/L	106			82	107	
	1,2-Dichlorobenzene	20	21.4	ug/L	107			82	109	
	1,2-Dibromo-3-Chloropropane	20	21.5	ug/L	108			68	112	
	1,2,4-Trichlorobenzene	20	21.8	ug/L	109			75	113	
	1,2,3-Trichlorobenzene	20	21.5	ug/L	108			76	114	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN1027WBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3426

Lab File ID: VN088104.D Lab Sample ID: VN1027WBL01

Date Analyzed: 10/27/2025 Time Analyzed: 11:34

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1027WBS01	VN1027WBS01	VN088105.D	10/27/2025
VN1027WBSD01	VN1027WBSD01	VN088106.D	10/27/2025
TWP3	Q3426-02	VN088118.D	10/27/2025
TWP5	Q3426-03	VN088119.D	10/27/2025
MW2	Q3426-04	VN088120.D	10/27/2025
TWP2	Q3426-01	VN088121.D	10/27/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN1028WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3426

Lab File ID: VN088129.D | Lab Sample ID: VN1028WBL01

Date Analyzed: 10/28/2025 | Time Analyzed: 11:17

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1028WBS02	VN1028WBS02	VN088131.D	10/28/2025
TWP2DL	Q3426-01DL	VN088132.D	10/28/2025

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3426
Lab File ID: VN088077.D
BFB Injection Date: 10/23/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:09
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	64.7
175	5.0 - 9.0% of mass 174	5.8 (8.9) 1
176	95.0 - 101.0% of mass 174	62.6 (96.8) 1
177	5.0 - 9.0% of mass 176	4.5 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN088078.D	10/23/2025	09:42
VSTDICC005	VSTDICC005	VN088079.D	10/23/2025	10:38
VSTDICC020	VSTDICC020	VN088080.D	10/23/2025	10:59
VSTDICCC050	VSTDICCC050	VN088081.D	10/23/2025	11:20
VSTDICC100	VSTDICC100	VN088082.D	10/23/2025	11:41
VSTDICC150	VSTDICC150	VN088083.D	10/23/2025	12:02

Raw Data: **VN088101.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3426
Lab File ID: VN088101.D
BFB Injection Date: 10/27/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:58
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.7
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	68.6
175	5.0 - 9.0% of mass 174	5.1 (7.4) 1
176	95.0 - 101.0% of mass 174	65.3 (95.2) 1
177	5.0 - 9.0% of mass 176	4.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN088102.D	10/27/2025	10:40
VN1027WBL01	VN1027WBL01	VN088104.D	10/27/2025	11:34
VN1027WBS01	VN1027WBS01	VN088105.D	10/27/2025	11:55
VN1027WBSD01	VN1027WBSD01	VN088106.D	10/27/2025	12:29
TWP3	Q3426-02	VN088118.D	10/27/2025	16:37
TWP5	Q3426-03	VN088119.D	10/27/2025	16:58
MW2	Q3426-04	VN088120.D	10/27/2025	17:19
TWP2	Q3426-01	VN088121.D	10/27/2025	17:39

Raw Data: **VN088126.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3426
Lab File ID: VN088126.D
BFB Injection Date: 10/28/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:26
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.1
75	30.0 - 60.0% of mass 95	57.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.7 (1.1) 1
174	50.0 - 100.0% of mass 95	66.3
175	5.0 - 9.0% of mass 174	5 (7.6) 1
176	95.0 - 101.0% of mass 174	65 (98) 1
177	5.0 - 9.0% of mass 176	4.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN088127.D	10/28/2025	10:23
VN1028WBL01	VN1028WBL01	VN088129.D	10/28/2025	11:17
VN1028WBS02	VN1028WBS02	VN088131.D	10/28/2025	12:14
TWP2DL	Q3426-01DL	VN088132.D	10/28/2025	12:35

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3426

Lab File ID: VN088102.D Date Analyzed: 10/27/2025

Instrument ID: MSVOA_N Time Analyzed: 10:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	321965	8.21	587119	9.08	522069	11.84
UPPER LIMIT	643930	8.706	1174240	9.582	1044140	12.341
LOWER LIMIT	160983	7.706	293560	8.582	261035	11.341
EPA SAMPLE NO.						
TWP2	270716	8.21	619054	9.08	604894	11.84
TWP3	224334	8.21	500872	9.08	474497	11.84
TWP5	246197	8.21	561002	9.08	537996	11.84
MW2	257811	8.21	580168	9.08	561441	11.84
VN1027WBL01	198801	8.21	446179	9.08	422679	11.84
VN1027WBS01	300941	8.21	563874	9.08	505093	11.85
VN1027WBSD01	293635	8.21	537984	9.08	482887	11.85

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3426

Lab File ID: VN088102.D Date Analyzed: 10/27/2025

Instrument ID: MSVOA_N Time Analyzed: 10:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	267876	13.77				
UPPER LIMIT	535752	14.27				
LOWER LIMIT	133938	13.27				
EPA SAMPLE NO.						
TWP2	319105	13.77				
TWP3	239267	13.77				
TWP5	272811	13.77				
MW2	281349	13.77				
VN1027WBL01	199580	13.77				
VN1027WBS01	256562	13.77				
VN1027WBSD01	241641	13.77				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3426

Lab File ID: VN088127.D Date Analyzed: 10/28/2025

Instrument ID: MSVOA_N Time Analyzed: 10:23

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	299407	8.21	575460	9.08	507990	11.85
UPPER LIMIT	598814	8.706	1150920	9.582	1015980	12.347
LOWER LIMIT	149704	7.706	287730	8.582	253995	11.347
EPA SAMPLE NO.						
TWP2DL	238689	8.21	533116	9.08	499340	11.84
VN1028WBL01	231261	8.21	516618	9.08	484454	11.85
VN1028WBS02	325166	8.21	590689	9.08	518318	11.85

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3426

Lab File ID: VN088127.D Date Analyzed: 10/28/2025

Instrument ID: MSVOA_N Time Analyzed: 10:23

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	256667	13.77				
UPPER LIMIT	513334	14.27				
LOWER LIMIT	128334	13.27				
EPA SAMPLE NO.						
TWP2DL	241900	13.77				
VN1028WBL01	238378	13.77				
VN1028WBS02	257534	13.77				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VN088121.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	10/21/25
Project:	Willow	Date Received:	10/22/25
Client Sample ID:	TWP2	SDG No.:	Q3426
Lab Sample ID:	Q3426-01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	10/27/25 17:39	VN102725
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/27/25 17:39	VN102725
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/27/25 17:39	VN102725
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/27/25 17:39	VN102725
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/27/25 17:39	VN102725
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/27/25 17:39	VN102725
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/27/25 17:39	VN102725
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/27/25 17:39	VN102725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/27/25 17:39	VN102725
67-64-1	Acetone	27.7		1	1.50	5.00	ug/L	10/27/25 17:39	VN102725
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/27/25 17:39	VN102725
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/27/25 17:39	VN102725
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/27/25 17:39	VN102725
75-09-2	Methylene Chloride	0.28	UQ	1	0.28	1.00	ug/L	10/27/25 17:39	VN102725
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/27/25 17:39	VN102725
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/27/25 17:39	VN102725
110-82-7	Cyclohexane	150	E	1	1.50	5.00	ug/L	10/27/25 17:39	VN102725
78-93-3	2-Butanone	10.5		1	0.98	5.00	ug/L	10/27/25 17:39	VN102725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/27/25 17:39	VN102725
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/27/25 17:39	VN102725
74-97-5	Bromochloromethane	0.22	UQ	1	0.22	1.00	ug/L	10/27/25 17:39	VN102725
67-66-3	Chloroform	0.25	UQ	1	0.25	1.00	ug/L	10/27/25 17:39	VN102725
71-55-6	1,1,1-Trichloroethane	0.20	UQ	1	0.20	1.00	ug/L	10/27/25 17:39	VN102725
108-87-2	Methylcyclohexane	150	E	1	0.16	1.00	ug/L	10/27/25 17:39	VN102725
71-43-2	Benzene	150		1	0.15	1.00	ug/L	10/27/25 17:39	VN102725
107-06-2	1,2-Dichloroethane	0.22	UQ	1	0.22	1.00	ug/L	10/27/25 17:39	VN102725
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/27/25 17:39	VN102725
78-87-5	1,2-Dichloropropane	0.20	UQ	1	0.20	1.00	ug/L	10/27/25 17:39	VN102725
75-27-4	Bromodichloromethane	0.22	UQ	1	0.22	1.00	ug/L	10/27/25 17:39	VN102725
108-10-1	4-Methyl-2-Pentanone	0.68	UQ	1	0.68	5.00	ug/L	10/27/25 17:39	VN102725
108-88-3	Toluene	38.6		1	0.14	1.00	ug/L	10/27/25 17:39	VN102725
10061-02-6	t-1,3-Dichloropropene	0.17	UQ	1	0.17	1.00	ug/L	10/27/25 17:39	VN102725
10061-01-5	cis-1,3-Dichloropropene	0.16	UQ	1	0.16	1.00	ug/L	10/27/25 17:39	VN102725
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/27/25 17:39	VN102725
591-78-6	2-Hexanone	0.89	UQ	1	0.89	5.00	ug/L	10/27/25 17:39	VN102725
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/27/25 17:39	VN102725
106-93-4	1,2-Dibromoethane	0.15	UQ	1	0.15	1.00	ug/L	10/27/25 17:39	VN102725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/27/25 17:39	VN102725
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/27/25 17:39	VN102725
100-41-4	Ethyl Benzene	140		1	0.13	1.00	ug/L	10/27/25 17:39	VN102725
179601-23-1	m/p-Xylenes	560	E	1	0.24	2.00	ug/L	10/27/25 17:39	VN102725
95-47-6	o-Xylene	100		1	0.12	1.00	ug/L	10/27/25 17:39	VN102725
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/27/25 17:39	VN102725

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	10/21/25
Project:	Willow	Date Received:	10/22/25
Client Sample ID:	TWP2	SDG No.:	Q3426
Lab Sample ID:	Q3426-01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	0.19	UQ	1	0.19	1.00	ug/L	10/27/25 17:39	VN102725
98-82-8	Isopropylbenzene	8.90		1	0.12	1.00	ug/L	10/27/25 17:39	VN102725
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/27/25 17:39	VN102725
95-63-6	1,2,4-Trimethylbenzene	220	E	1	0.14	1.00	ug/L	10/27/25 17:39	VN102725
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/27/25 17:39	VN102725
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/27/25 17:39	VN102725
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/27/25 17:39	VN102725
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	UQ	1	0.53	1.00	ug/L	10/27/25 17:39	VN102725
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/27/25 17:39	VN102725
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/27/25 17:39	VN102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.6			74 - 125	119%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.5			75 - 124	99%	SPK: 50		
2037-26-5	Toluene-d8	49.2			86 - 113	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	61.9	*		77 - 121	124%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	271000							
540-36-3	1,4-Difluorobenzene	619000							
3114-55-4	Chlorobenzene-d5	605000							
3855-82-1	1,4-Dichlorobenzene-d4	319000							
TENTATIVE IDENTIFIED COMPOUNDS									
103-65-1	n-propylbenzene	15.4	J			13.0	ug/L		
000620-14-4	Benzene, 1-ethyl-3-methyl-	120	J			13.1	ug/L		
108-67-8	1,3,5-Trimethylbenzene	110	J			13.1	ug/L		
000611-14-3	Benzene, 1-ethyl-2-methyl-	130	J			13.3	ug/L		
135-98-8	sec-Butylbenzene	3.60	J			13.6	ug/L		
99-87-6	p-Isopropyltoluene	4.70	J			13.7	ug/L		
000496-11-7	Indane	100	J			14.0	ug/L		
104-51-8	n-Butylbenzene	5.30	J			14.0	ug/L		
000493-01-6	Naphthalene, decahydro-, cis-	120	J			14.1	ug/L		
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	67.9	J			14.6	ug/L		
002958-76-1	Naphthalene, decahydro-2-methyl-	140	J			14.6	ug/L		
002958-75-0	1-Methyldecahydronaphthalene	72.8	J			14.8	ug/L		
002234-20-0	2,4-Dimethylstyrene	160	J			15.0	ug/L		
053172-84-2	Benzene, (1-methyl-1-butenyl)-	84.2	J			15.4	ug/L		
91-20-3	Naphthalene	56.5	J			15.6	ug/L		
017057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethy	99.3	J			15.9	ug/L		
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	64.7	J			16.7	ug/L		

Raw Data: **VN088121.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	10/21/25
Project:	Willow			Date Received:	10/22/25
Client Sample ID:	TWP2			SDG No.:	Q3426
Lab Sample ID:	Q3426-01			Matrix:	Water
Analytical Method:	8260D	Level :	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Oct 28 01:31:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
TWP2

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	270716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	619054	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	604894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	319105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	278849	59.567	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.140%			
35) Dibromofluoromethane	8.153	113	205748	49.472	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.940%			
50) Toluene-d8	10.541	98	789126	49.244	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.480%			
62) 4-Bromofluorobenzene	12.829	95	350129	61.868	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 123.740%#			
Target Compounds						Qvalue
16) Acetone	4.430	43	65194	27.721	ug/l #	89
25) 2-Butanone	7.471	43	32449	10.470	ug/l	98
31) Cyclohexane	8.241	56	1010963	154.281	ug/l	94
39) Methylcyclohexane	9.582	83	1179448	151.109	ug/l	98
40) Benzene	8.588	78	2700822	146.044	ug/l	99
52) Toluene	10.606	92	440530	38.637	ug/l	99
67) Ethyl Benzene	11.941	91	3344973	138.740	ug/l	100
68) m/p-Xylenes	12.047	106	5022656	556.006	ug/l	100
69) o-Xylene	12.376	106	879431	102.696	ug/l	97
73) Isopropylbenzene	12.670	105	218240	8.867	ug/l	99
78) n-propylbenzene	13.012	91	463514	15.433	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	2158921	105.621	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	4440527	217.133	ug/l	99
85) sec-Butylbenzene	13.594	105	97660m	3.640	ug/l	
86) p-Isopropyltoluene	13.706	119	102118	4.745	ug/l	93
89) n-Butylbenzene	14.029	91	113966m	5.346	ug/l	
95) Naphthalene	15.611	128	1196110	56.451	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

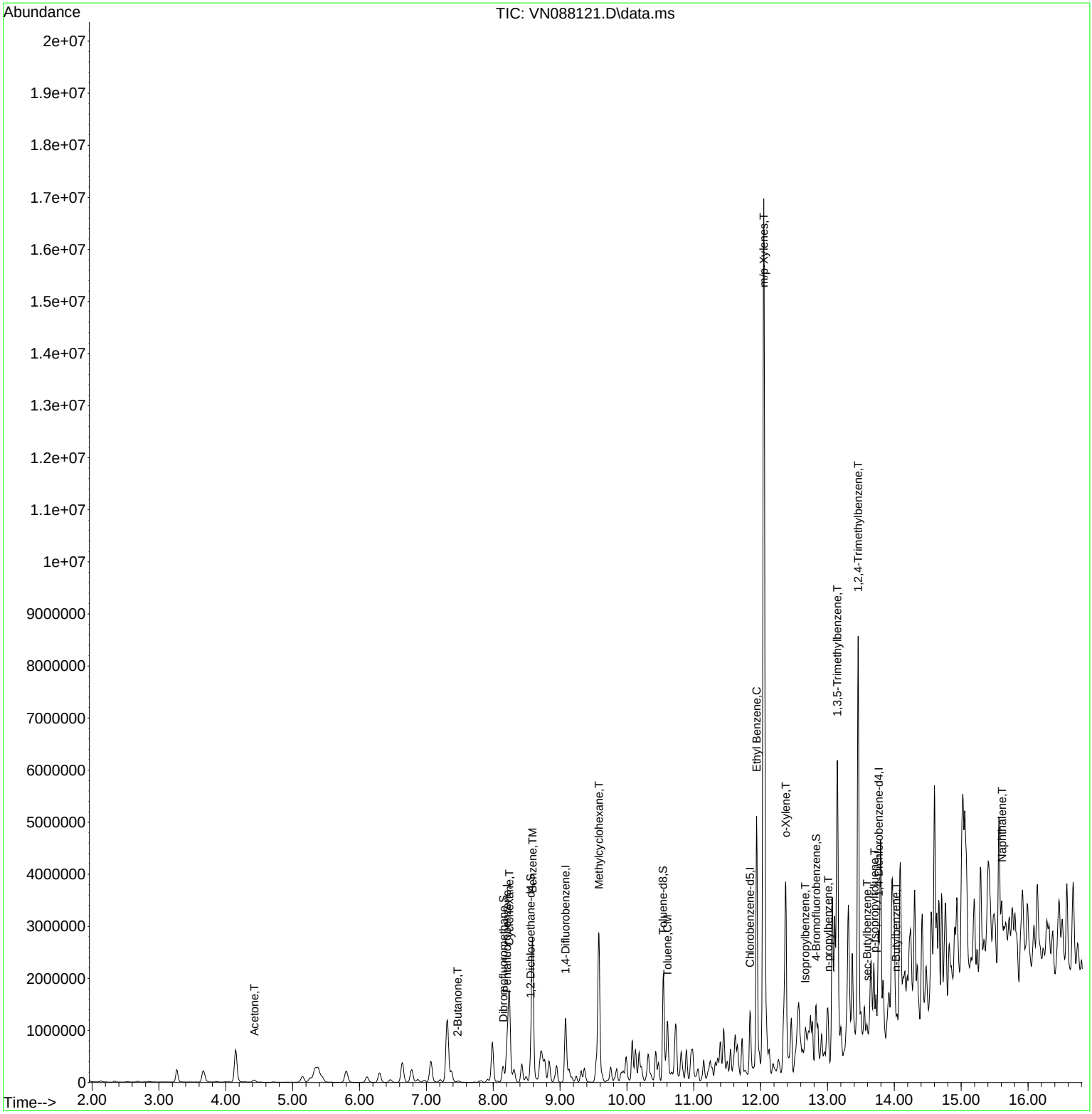
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

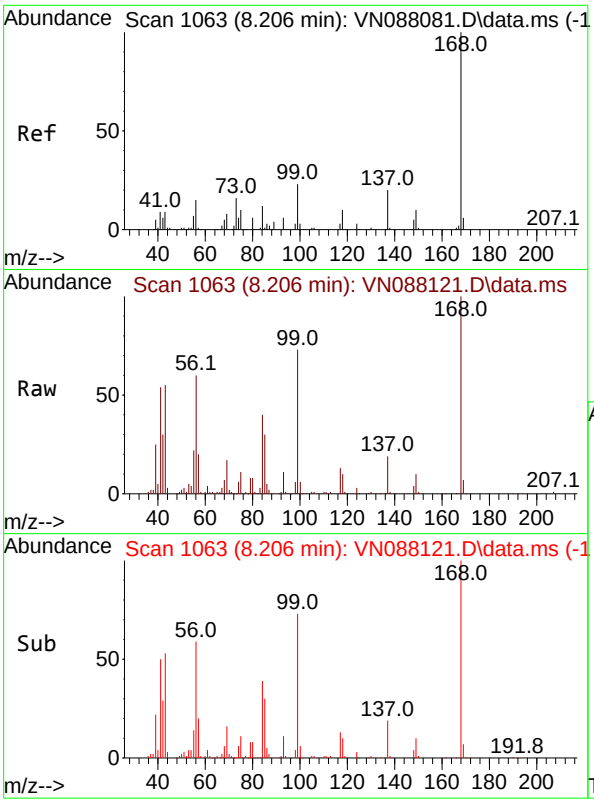
Quant Time: Oct 28 01:31:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
TWP2

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

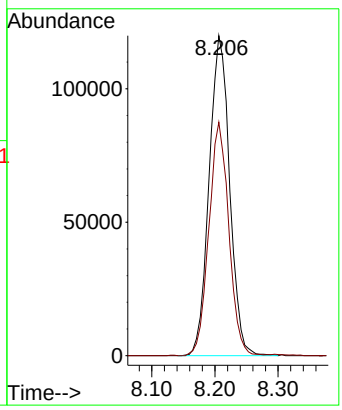




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:168 Resp: 27071

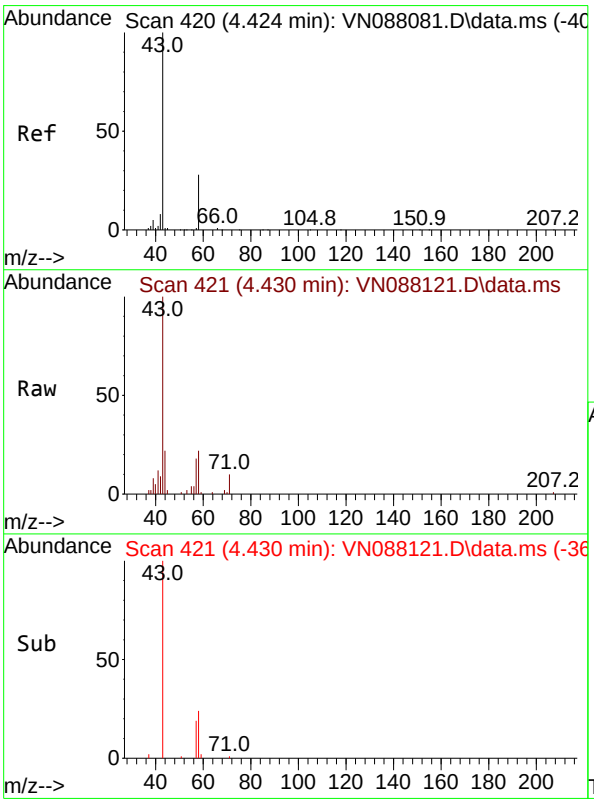
Ion	Ratio	Lower	Upper
168	100		
99	72.9	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
TWP2

Manual Integrations
APPROVED

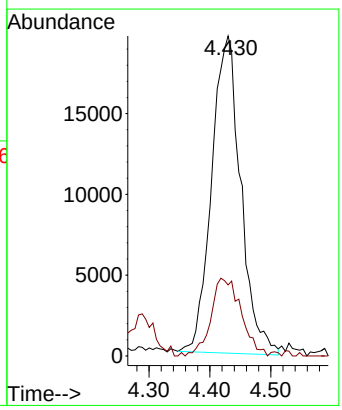
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

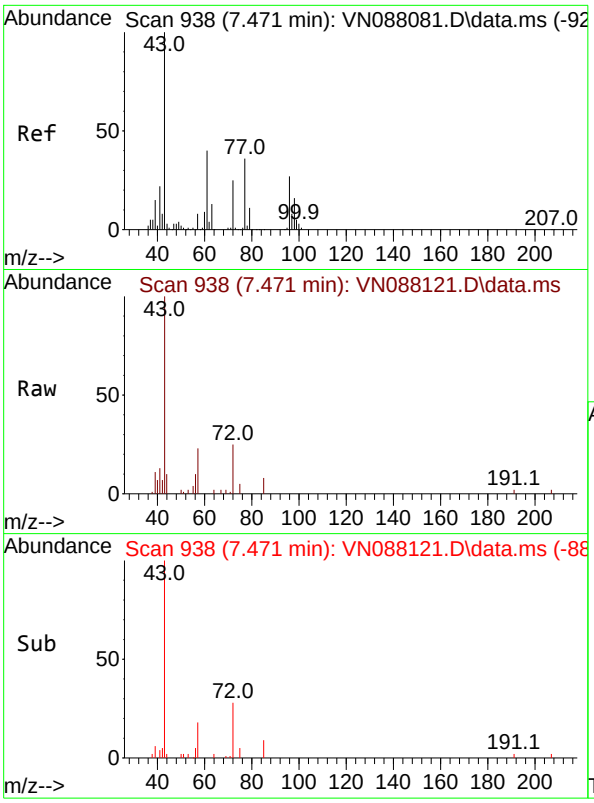


#16
Acetone
Concen: 27.721 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 43 Resp: 65194

Ion	Ratio	Lower	Upper
43	100		
58	22.5	22.6	33.8#





#25
2-Butanone
Concen: 10.470 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

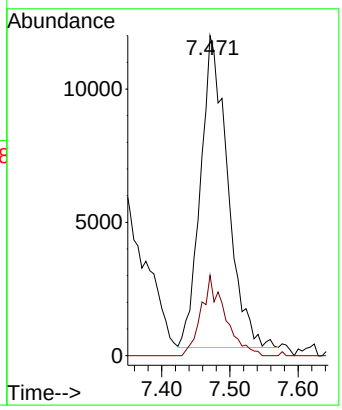
Tgt Ion: 43 Resp: 3244

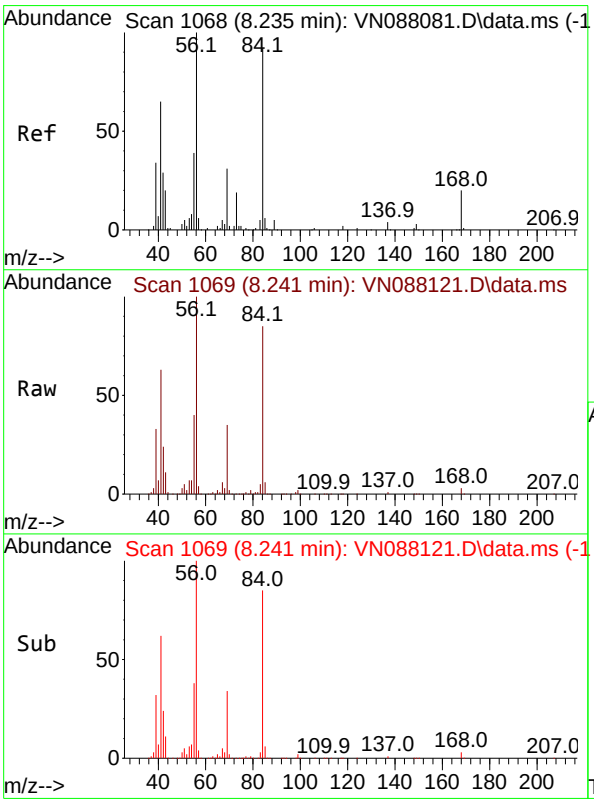
Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.9	29.9

Instrument :
MSVOA_N
ClientSampleId :
TWP2

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

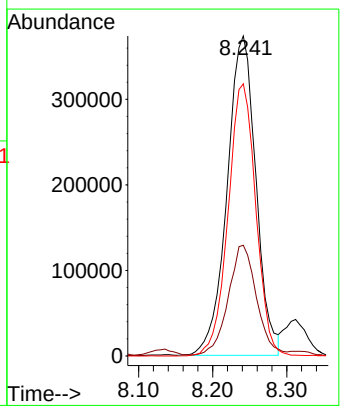


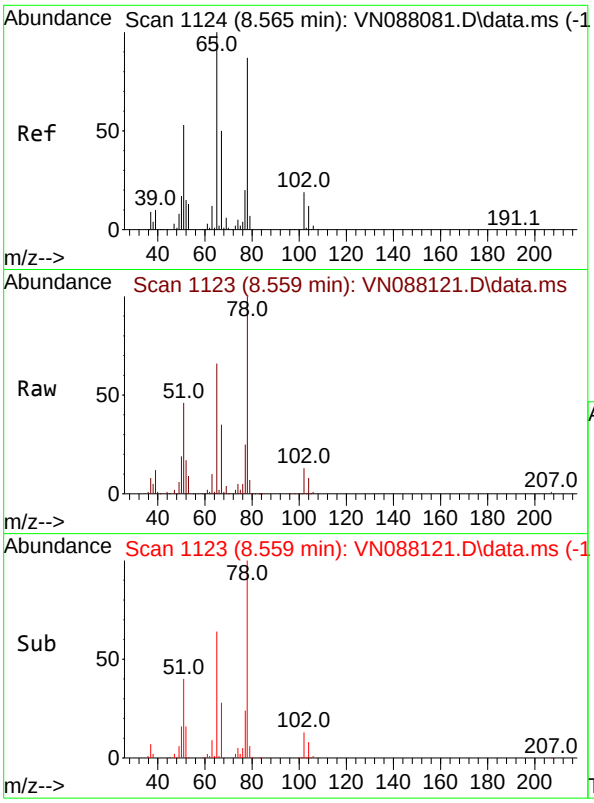


#31
Cyclohexane
Concen: 154.281 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 56 Resp: 1010963

Ion	Ratio	Lower	Upper
56	100		
69	33.8	23.7	35.5
84	85.2	64.7	97.1





#33
1,2-Dichloroethane-d4
Concen: 59.567 ug/l
RT: 8.559 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 65 Resp: 27884

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	100.0

Instrument :
MSVOA_N
ClientSampleId :
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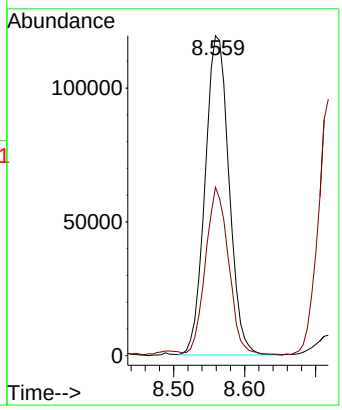
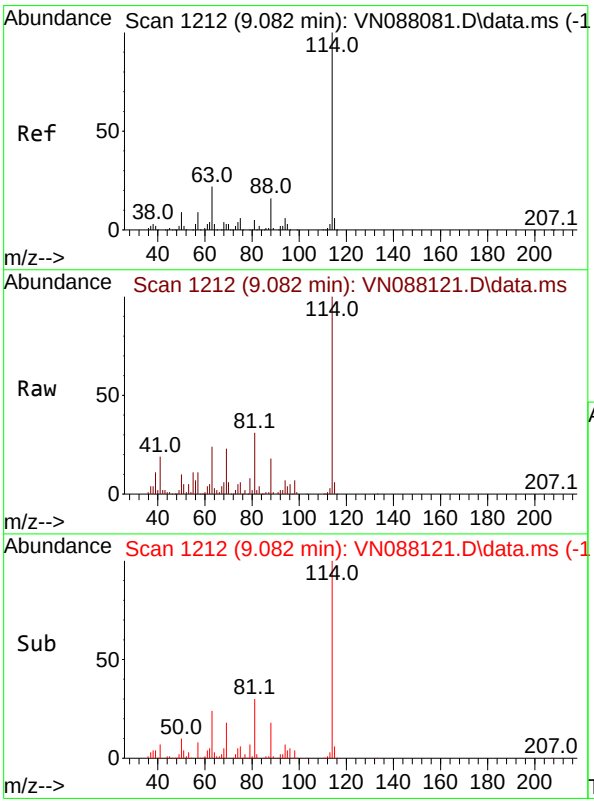
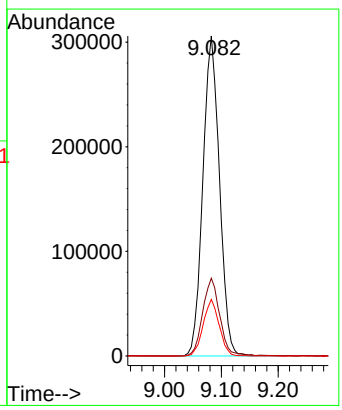


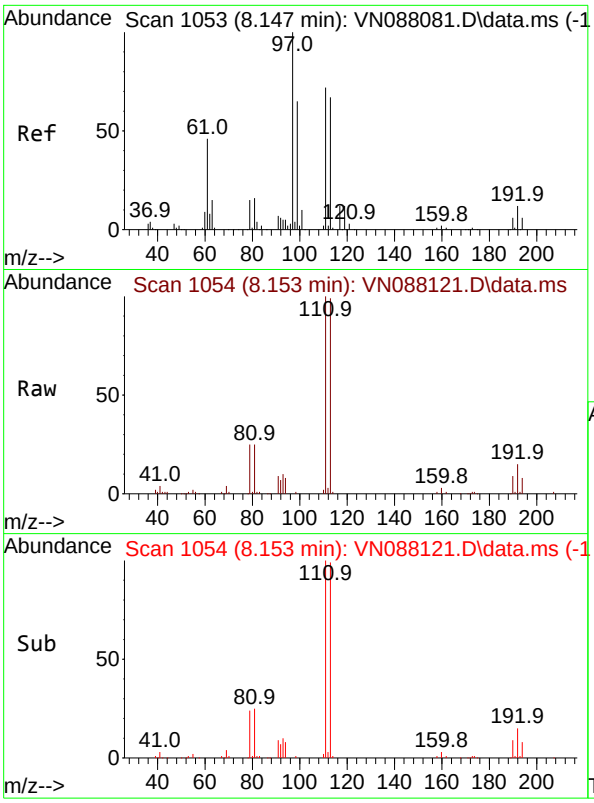


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:114 Resp: 619054

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	45.2
88	17.7	0.0	33.4





#35
Dibromofluoromethane
Concen: 49.472 ug/l
RT: 8.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:113 Resp: 20574

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.8	124.2
192	16.1	12.8	19.2

Instrument :
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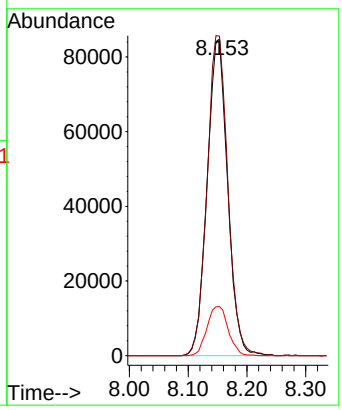
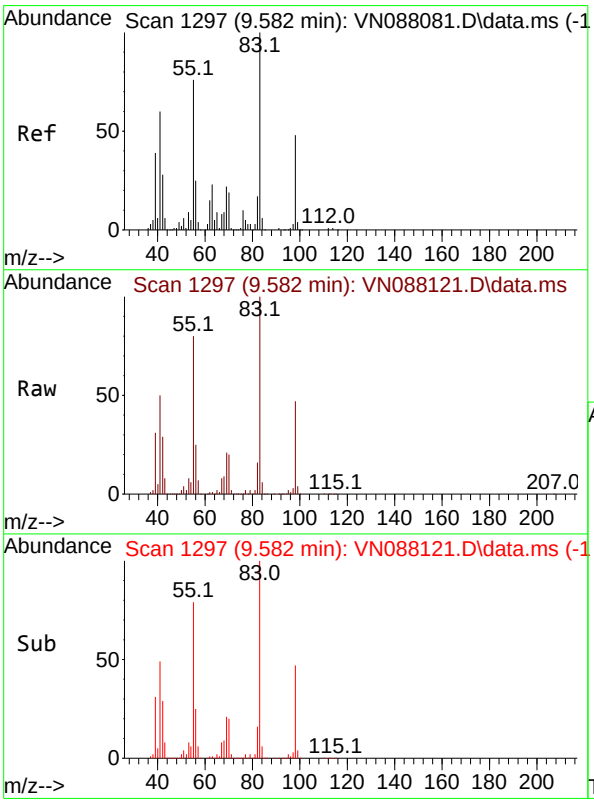
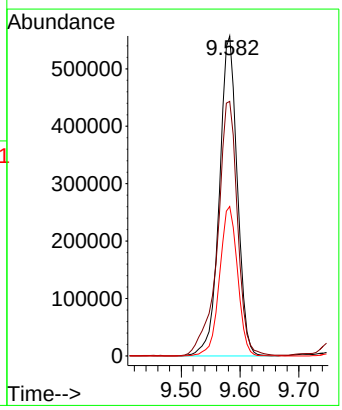


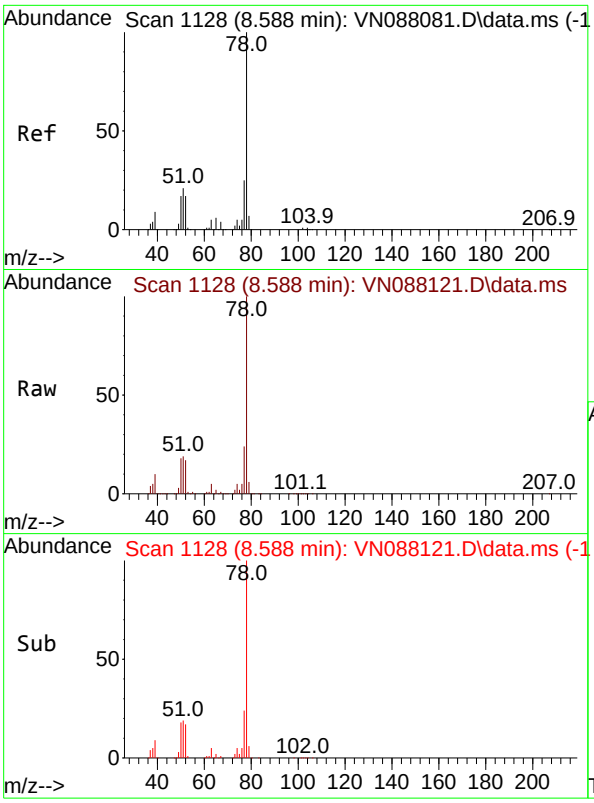


#39
Methylcyclohexane
Concen: 151.109 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 83 Resp: 1179448

Ion	Ratio	Lower	Upper
83	100		
55	79.5	64.6	96.8
98	46.7	38.4	57.6

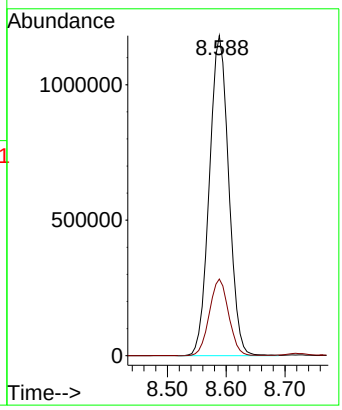




#40
Benzene
Concen: 146.044 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 78 Resp: 270082

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.7	29.5



Instrument :
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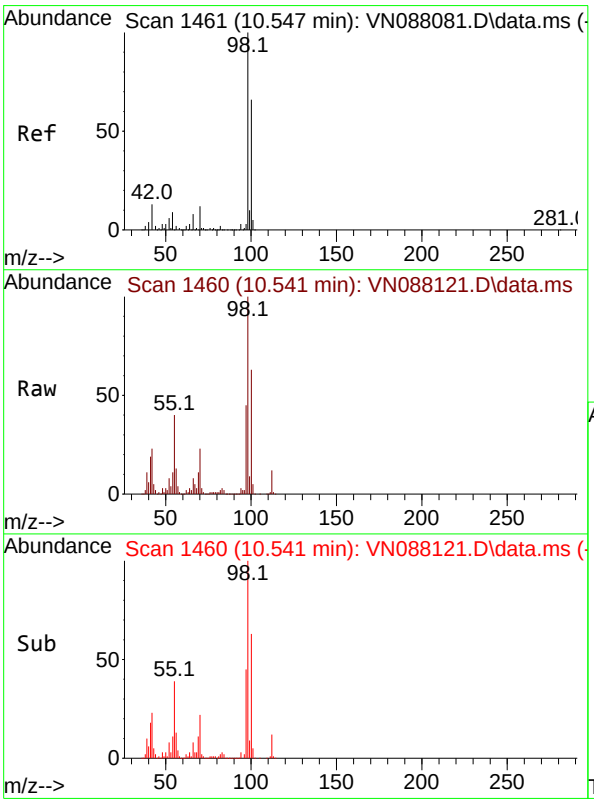
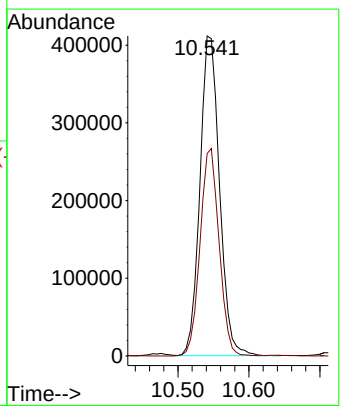
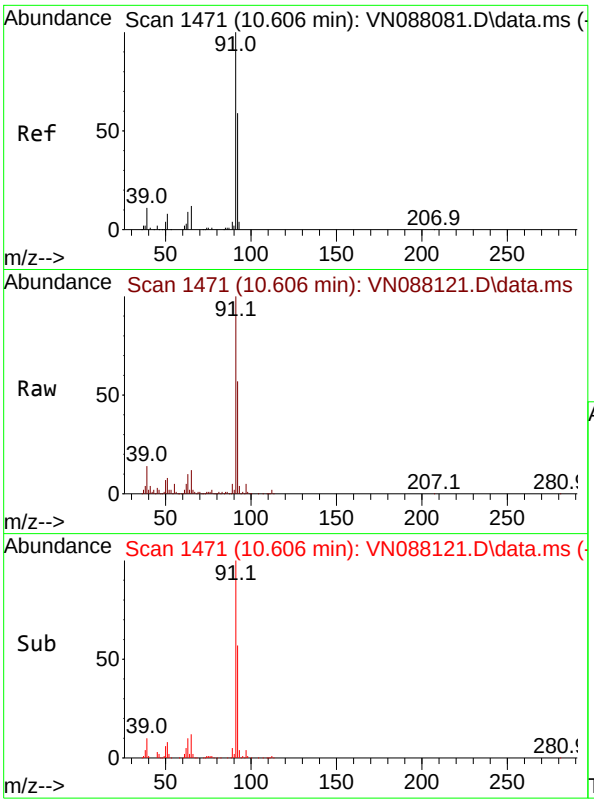


#50
Toluene-d8
Concen: 49.244 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 98 Resp: 789126

Ion	Ratio	Lower	Upper
98	100		
100	62.9	52.8	79.2





#52
Toluene
Concen: 38.637 ug/l
RT: 10.606 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 92 Resp: 44053

Ion	Ratio	Lower	Upper
92	100		
91	174.2	140.4	210.6

Instrument :
MSVOA_N
ClientSampleId :
TWP2

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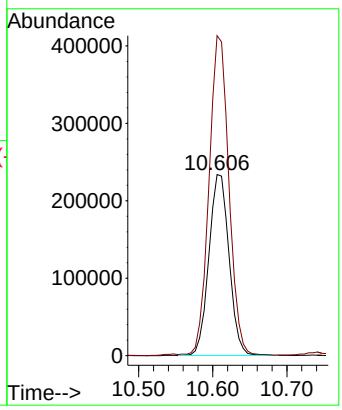
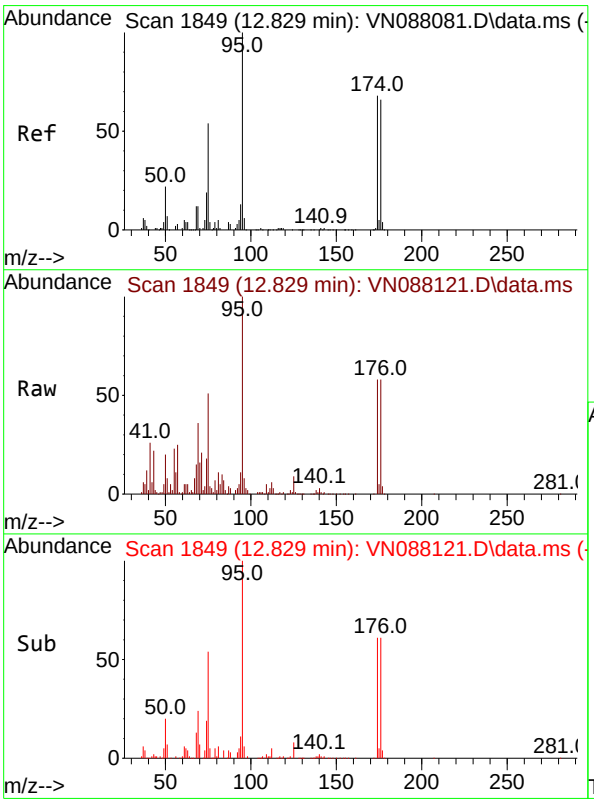
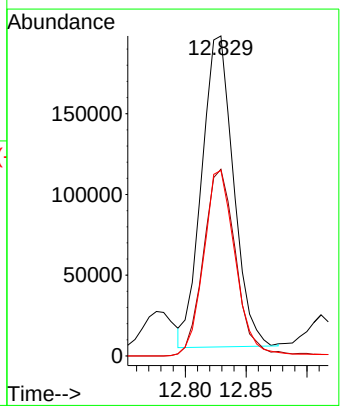


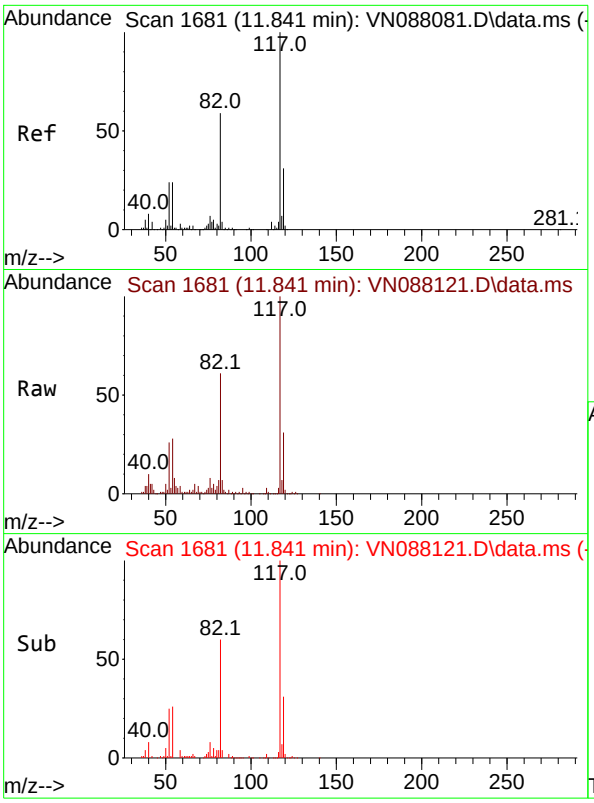


#62
4-Bromofluorobenzene
Concen: 61.868 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 95 Resp: 350129

Ion	Ratio	Lower	Upper
95	100		
174	61.8	0.0	138.4
176	59.9	0.0	132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:117 Resp: 60489

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.4	71.2
119	31.2	24.3	36.5

Instrument :
MSVOA_N
ClientSampleId :
TWP2

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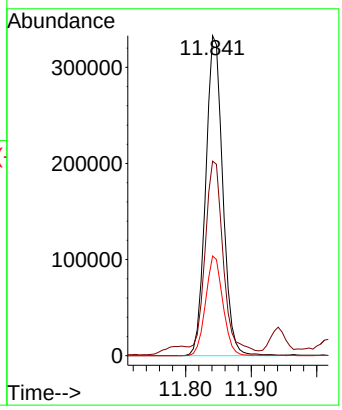
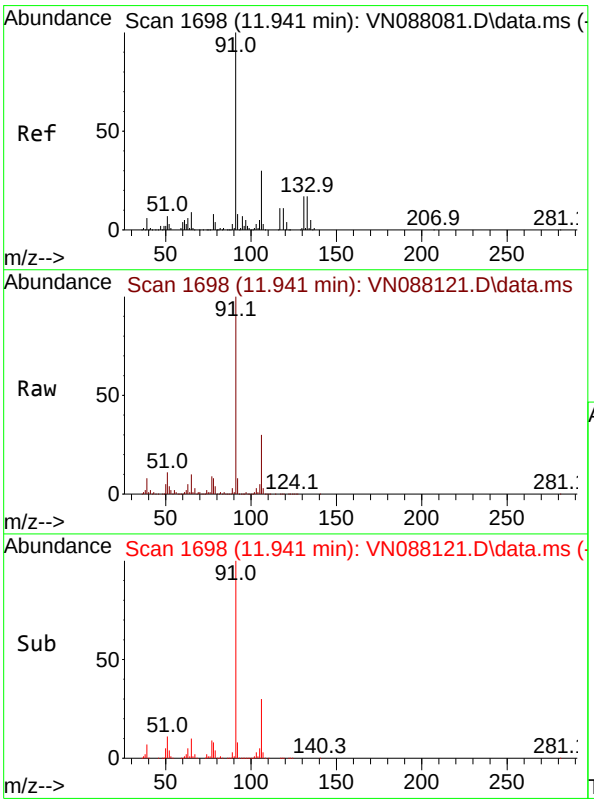
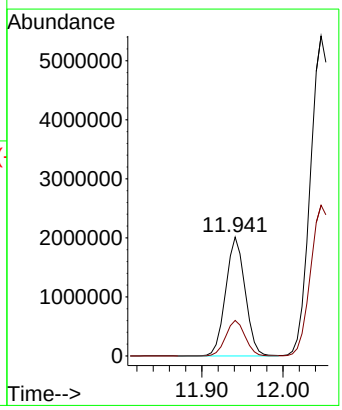


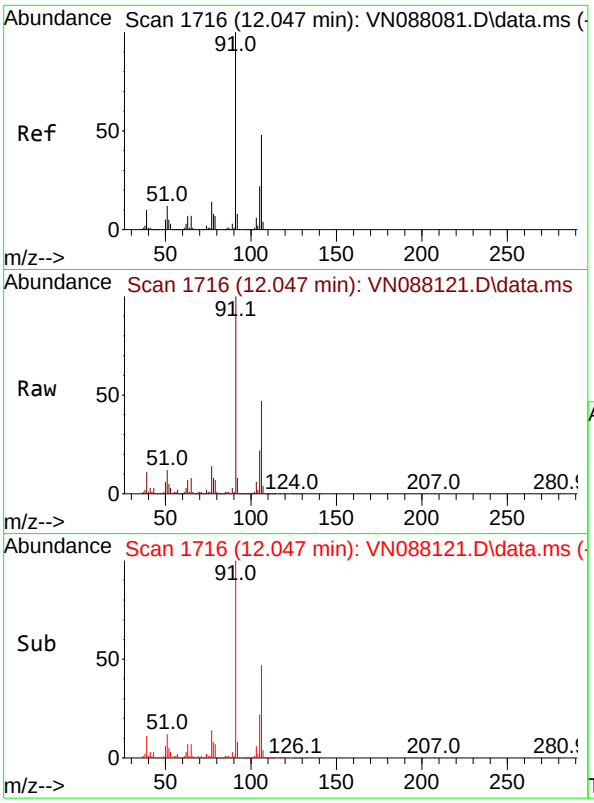


#67
Ethyl Benzene
Concen: 138.740 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 91 Resp: 3344973

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.1	36.1

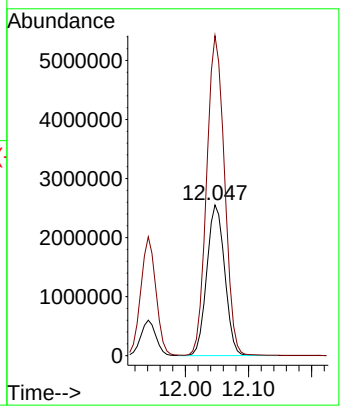




#68
m/p-Xylenes
Concen: 556.006 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:106 Resp: 502265

Ion	Ratio	Lower	Upper
106	100		
91	212.2	169.3	253.9



Instrument :
MSVOA_N
ClientSampleId :
TWP2

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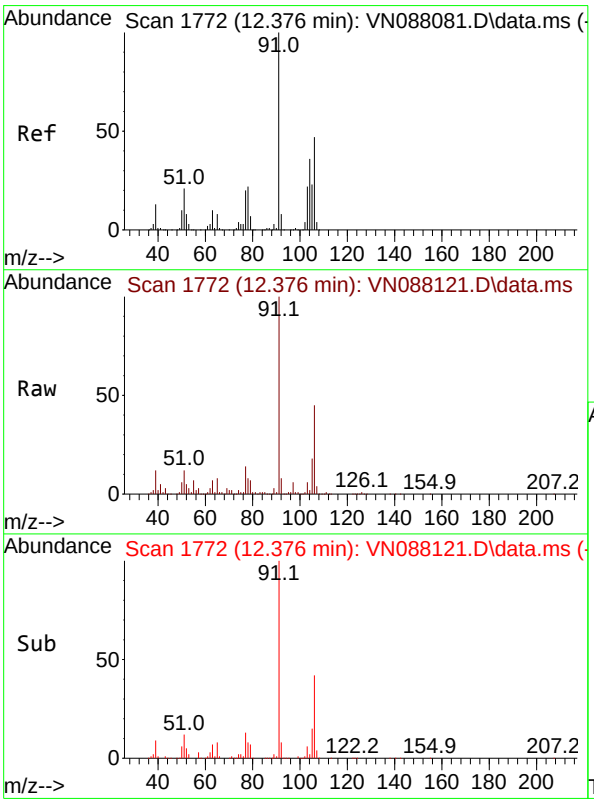
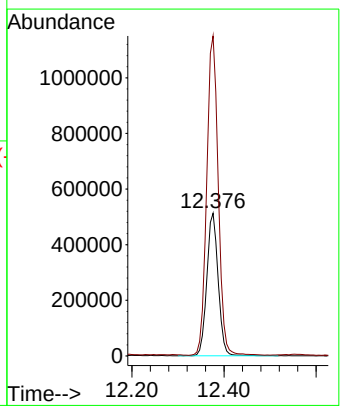
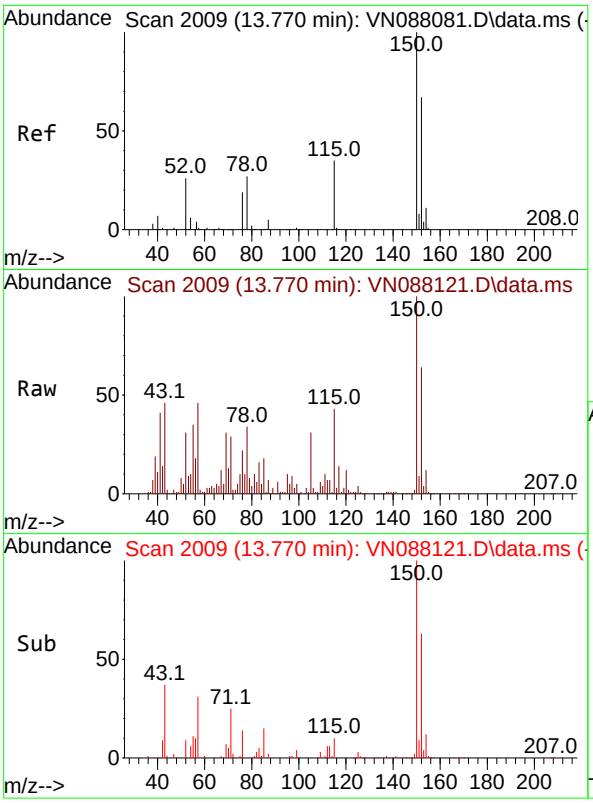


#69
o-Xylene
Concen: 102.696 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:106 Resp: 879431

Ion	Ratio	Lower	Upper
106	100		
91	227.4	111.4	334.2

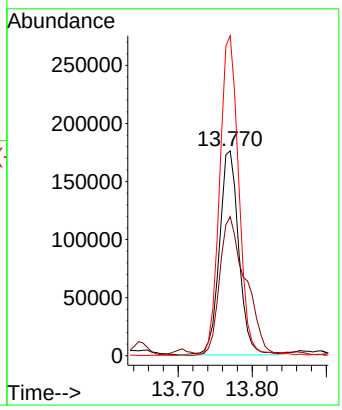




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:152 Resp: 31910

Ion	Ratio	Lower	Upper
152	100		
115	89.2	32.3	96.8
150	155.1	0.0	351.0



Instrument :
MSVOA_N
ClientSampleId :
TWP2

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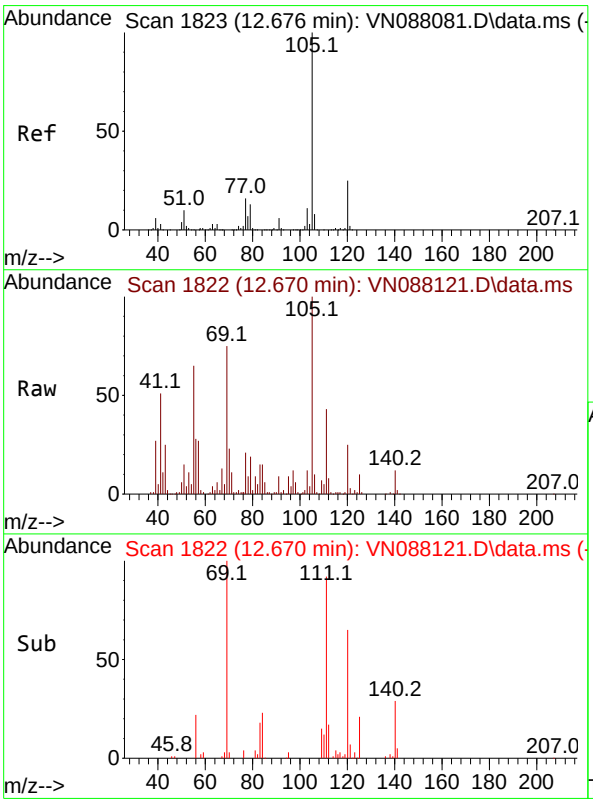
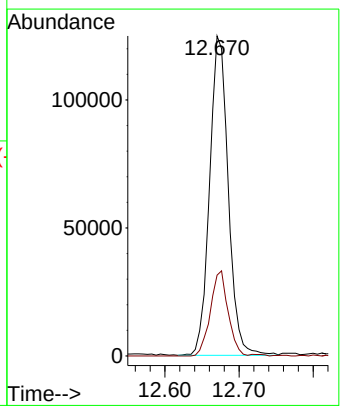
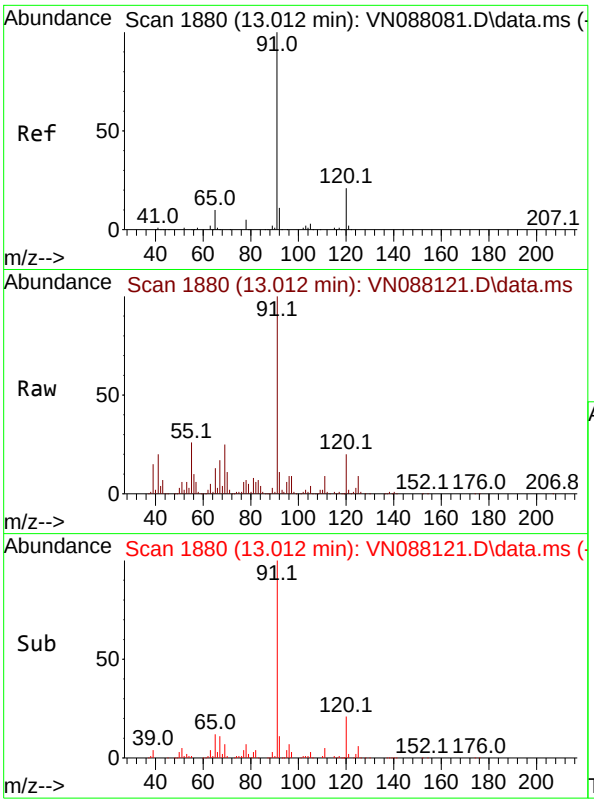


#73
Isopropylbenzene
Concen: 8.867 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:105 Resp: 218240

Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.8	38.3





#78
n-propylbenzene
Concen: 15.433 ug/l
RT: 13.012 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 91 Resp: 46351

Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.7	32.1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

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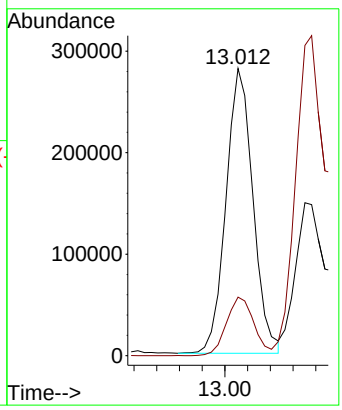
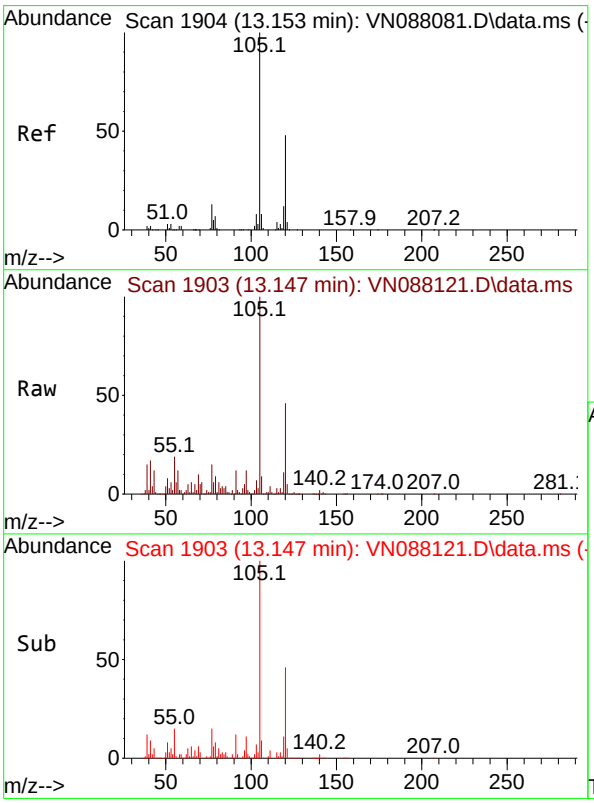
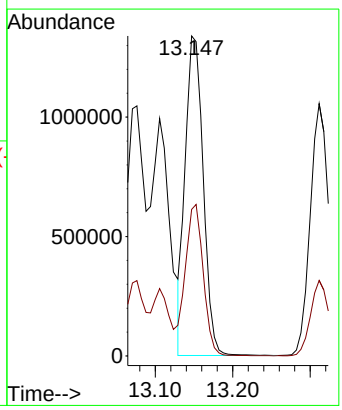


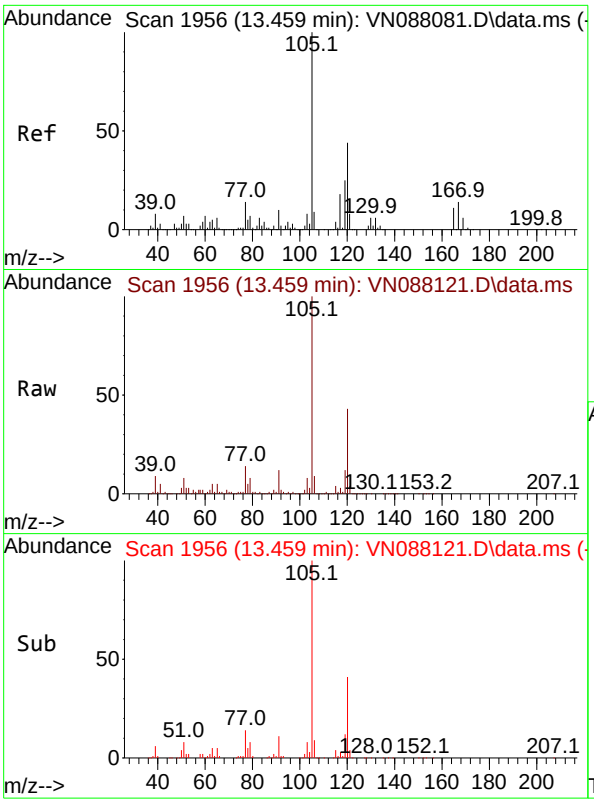


#80
1,3,5-Trimethylbenzene
Concen: 105.621 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:105 Resp: 2158921

Ion	Ratio	Lower	Upper
105	100		
120	48.4	23.2	69.6





#84
1,2,4-Trimethylbenzene
Concen: 217.133 ug/l
RT: 13.459 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:105 Resp: 444052

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.0	66.0

Instrument :
MSVOA_N
ClientSampleId :
TWP2

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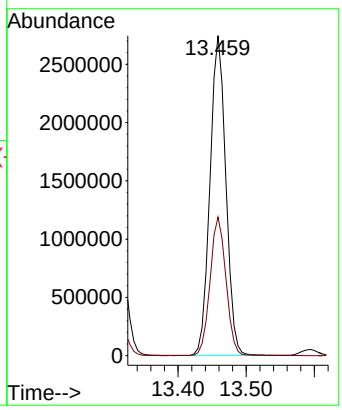
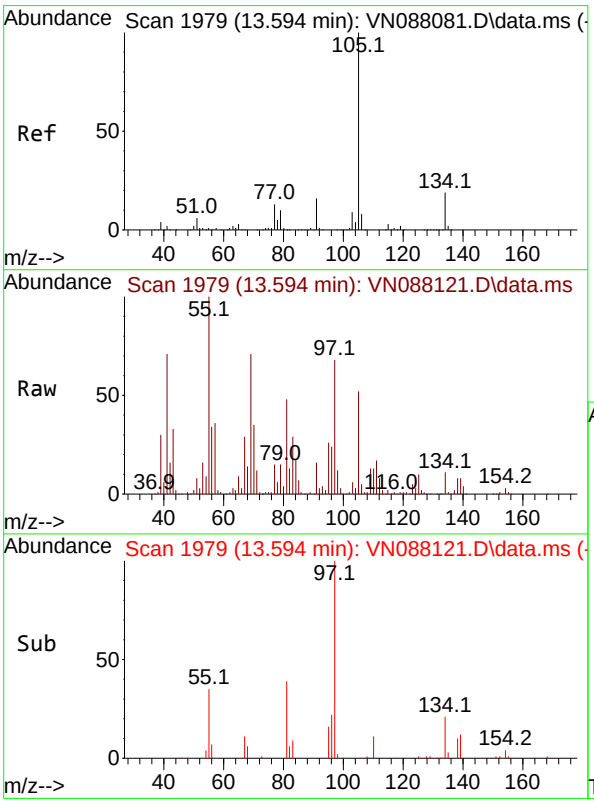
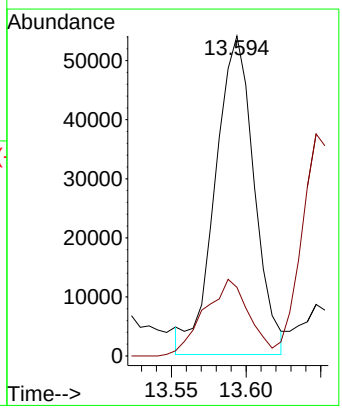


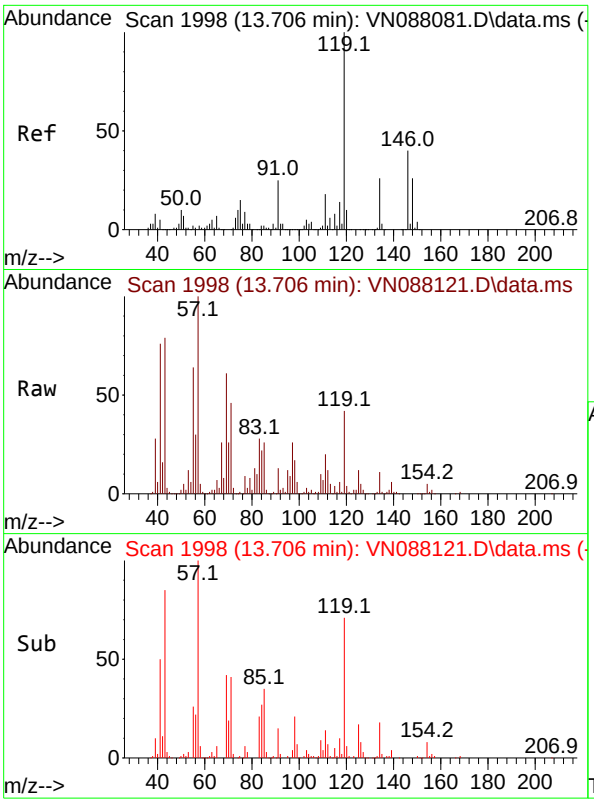


#85
sec-Butylbenzene
Concen: 3.640 ug/l m
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:105 Resp: 97660

Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.6	28.6#





#86
p-Isopropyltoluene
Concen: 4.745 ug/l
RT: 13.706 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:119 Resp: 10211

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.7	38.0
91	31.2	12.5	37.5

Instrument :
MSVOA_N
ClientSampleId :
TWP2

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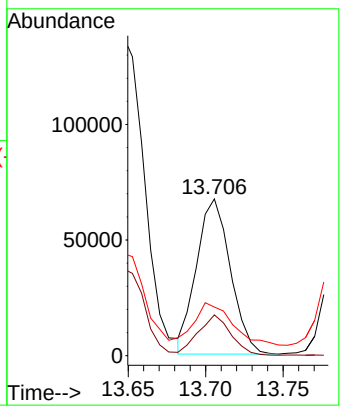
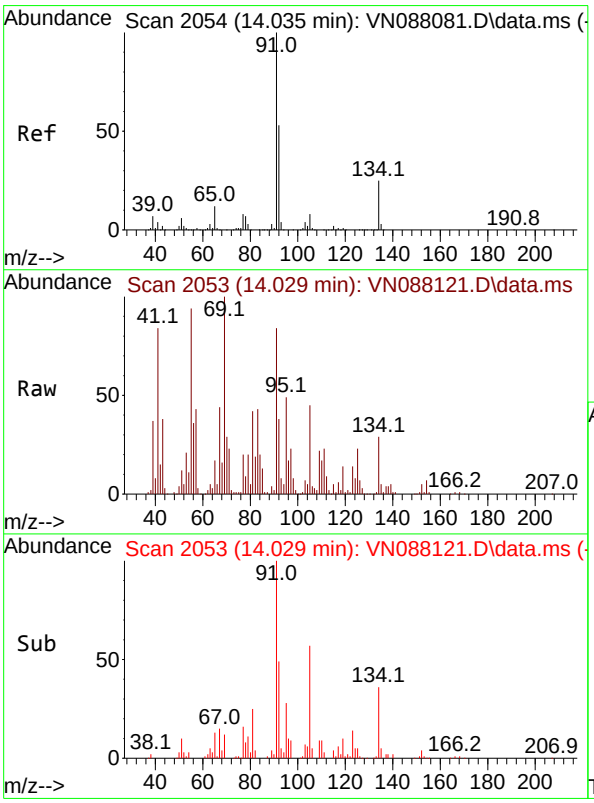
Supervised By :Semsettin Yesilyurt 10/28/2025

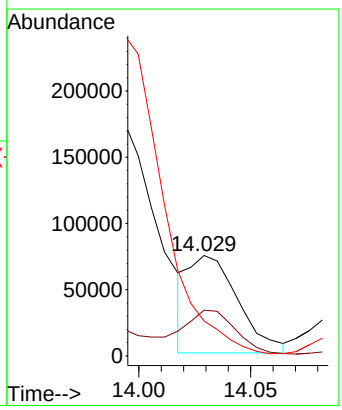


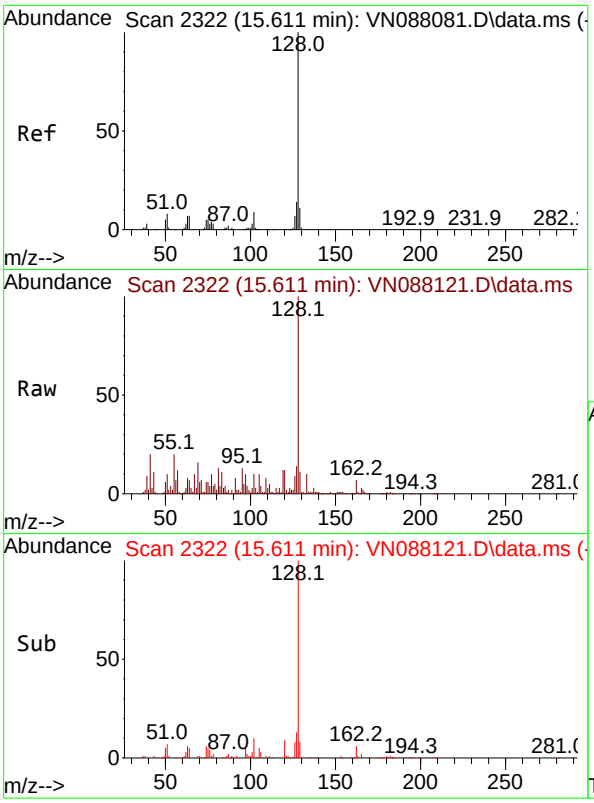


#89
n-Butylbenzene
Concen: 5.346 ug/l m
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion: 91 Resp: 113966

Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.8#
134	399.1	11.7	35.0#

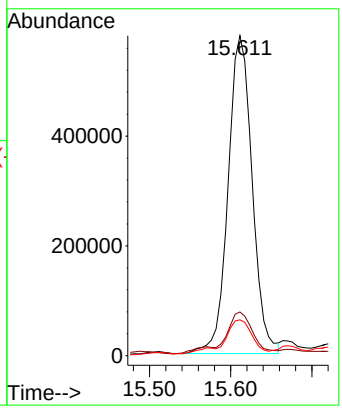




#95
Naphthalene
Concen: 56.451 ug/l
RT: 15.611 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN088121.D
Acq: 27 Oct 2025 17:39

Tgt Ion:128 Resp: 119611

Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.6	15.8
129	12.1	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
TWP2

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Sample Results: **VN088121.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

Signal : TIC: VN088121.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.265	215	223	237	rBV	236009	569298	1.68%	0.204%
2	3.665	280	291	307	rBV5	217225	730881	2.16%	0.262%
3	4.147	362	373	390	rBV	618117	1784870	5.27%	0.641%
4	5.147	531	543	552	rBV2	108960	385385	1.14%	0.138%
5	5.341	567	576	579	rBV2	189722	557217	1.65%	0.200%
6	5.800	635	654	674	rBV3	217895	772707	2.28%	0.277%
7	6.112	695	707	722	rBV2	106261	356997	1.05%	0.128%
8	6.300	726	739	755	rVV2	180891	566885	1.67%	0.204%
9	6.641	780	797	809	rBV2	378162	1164489	3.44%	0.418%
10	6.783	810	821	830	rBV	236914	727846	2.15%	0.261%
11	7.065	860	869	884	rVB	399789	1176459	3.47%	0.422%
12	7.312	900	911	919	rBV	1187194	3568030	10.54%	1.281%
13	7.988	1018	1026	1035	rVB	745394	1782834	5.27%	0.640%
14	8.147	1044	1053	1057	rBV	299020	723686	2.14%	0.260%
15	8.235	1057	1068	1077	rVV2	1750186	5840875	17.25%	2.098%
16	8.312	1077	1081	1092	rVB2	243852	565537	1.67%	0.203%
17	8.429	1092	1101	1107	rBV	347116	801969	2.37%	0.288%
18	8.588	1117	1128	1140	rBV	2750915	6878710	20.32%	2.470%
19	8.718	1140	1150	1156	rBV3	545064	1876540	5.54%	0.674%
20	8.835	1165	1170	1179	rVB	399484	915671	2.70%	0.329%
21	8.947	1179	1189	1201	rVB3	315513	773512	2.28%	0.278%
22	9.082	1203	1212	1219	rBV3	1228077	2914198	8.61%	1.047%
23	9.318	1245	1252	1255	rVV	213360	422277	1.25%	0.152%
24	9.365	1255	1260	1270	rVB2	261908	589873	1.74%	0.212%
25	9.576	1280	1296	1313	rBV	2863539	7261541	21.45%	2.608%
26	9.759	1320	1327	1333	rVB	258769	499461	1.48%	0.179%
27	9.847	1333	1342	1348	rVB2	226594	479435	1.42%	0.172%
28	9.988	1361	1366	1375	rVB3	444023	943493	2.79%	0.339%
29	10.082	1375	1382	1386	rBV	754997	1462292	4.32%	0.525%
30	10.129	1386	1390	1395	rVB2	434111	701944	2.07%	0.252%
31	10.182	1395	1399	1403	rBV	393014	629506	1.86%	0.226%
32	10.318	1413	1422	1435	rBV4	509082	1382326	4.08%	0.496%
33	10.429	1435	1441	1445	rBV	542786	1044358	3.08%	0.375%
34	10.471	1445	1448	1454	rVB2	346725	574046	1.70%	0.206%
35	10.547	1454	1461	1466	rBV	2062498	4022101	11.88%	1.444%
36	10.606	1466	1471	1479	rVB	1018577	2105044	6.22%	0.756%

Sample Results: **VN088121.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

37	10.729	1485	1492	1499	rVB4	991778	2324547	6.87%	0.835%
38	10.812	1500	1506	1514	rVB3	495516	1040302	3.07%	0.374%
39	10.888	1514	1519	1525	rVB	547369	979999	2.89%	0.352%
40	10.976	1525	1534	1543	rBV5	568544	1743594	5.15%	0.626%
41	11.065	1544	1549	1555	rVB4	226767	441502	1.30%	0.159%
42	11.147	1555	1563	1569	rBV2	392046	817588	2.41%	0.294%
43	11.247	1569	1580	1584	rBV5	331795	943123	2.79%	0.339%
44	11.323	1589	1593	1595	rBV3	248515	381977	1.13%	0.137%
45	11.359	1596	1599	1602	rVV3	287216	509018	1.50%	0.183%
46	11.400	1602	1606	1610	rVV	596122	1080005	3.19%	0.388%
47	11.447	1610	1614	1620	rVV2	832437	1555521	4.59%	0.559%
48	11.547	1627	1631	1636	rVV	439023	691681	2.04%	0.248%
49	11.618	1636	1643	1647	rVV3	709658	1596456	4.72%	0.573%
50	11.653	1647	1649	1656	rVB	563904	859983	2.54%	0.309%
51	11.723	1656	1661	1666	rBV	693792	1130252	3.34%	0.406%
52	11.841	1675	1681	1688	rBV	1202748	2262237	6.68%	0.812%
53	11.941	1692	1698	1708	rVV	4819551	8251481	24.37%	2.963%
54	12.047	1708	1716	1727	rBV	16605227	33856974	100.00%	12.158%
55	12.188	1735	1740	1748	rBV4	188606	446011	1.32%	0.160%
56	12.265	1748	1753	1760	rVB5	251637	546265	1.61%	0.196%
57	12.376	1760	1772	1780	rBV2	3664020	8954480	26.45%	3.216%
58	12.459	1781	1786	1791	rVB	1033721	1827806	5.40%	0.656%
59	12.570	1791	1805	1813	rBV6	1314697	5074751	14.99%	1.822%
60	12.670	1818	1822	1826	rBV2	454750	865649	2.56%	0.311%
61	12.770	1837	1839	1844	rVB2	739522	990331	2.93%	0.356%
62	12.829	1844	1849	1852	rBV	1044747	1931130	5.70%	0.693%
63	12.912	1858	1863	1867	rBV4	451632	711002	2.10%	0.255%
64	13.006	1873	1879	1884	rVB3	1049638	2216656	6.55%	0.796%
65	13.070	1884	1890	1894	rBV	3178423	5921091	17.49%	2.126%
66	13.106	1894	1896	1899	rVV	2468104	3711211	10.96%	1.333%
67	13.147	1899	1903	1910	rVB2	5307862	9911457	29.27%	3.559%
68	13.312	1922	1931	1937	rBV	2784512	6477253	19.13%	2.326%
69	13.370	1937	1941	1949	rVB3	1564575	2632306	7.77%	0.945%
70	13.459	1949	1956	1961	rBV	7638326	12439614	36.74%	4.467%
71	13.553	1968	1972	1975	rBV3	509507	695313	2.05%	0.250%
72	13.653	1983	1989	1993	rBV5	1359720	2735829	8.08%	0.982%
73	13.694	1993	1996	1999	rVV2	919912	1010459	2.98%	0.363%
74	13.723	1999	2001	2004	rVB	413138	371185	1.10%	0.133%
75	13.764	2004	2008	2010	rBV2	1636283	2534065	7.48%	0.910%
76	13.794	2010	2013	2017	rVB	3047879	4232654	12.50%	1.520%

Sample Results: **VN088121.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

77	13.829	2017	2019	2026	rVB3	1093732	1674692	4.95%	0.601%
78	13.917	2027	2034	2037	rBV5	812632	1849278	5.46%	0.664%
79	13.970	2037	2043	2046	rBV2	2472505	5218445	15.41%	1.874%
80	14.088	2057	2063	2068	rBV3	3019111	6198669	18.31%	2.226%
81	14.241	2083	2089	2094	rVB4	1157051	2694480	7.96%	0.968%
82	14.306	2095	2100	2104	rBV	1887969	2924997	8.64%	1.050%
83	14.417	2113	2119	2124	rBV4	2023011	3936092	11.63%	1.414%
84	14.476	2125	2129	2135	rVB6	854991	1569220	4.63%	0.564%
85	14.553	2137	2142	2146	rVV4	1738625	3441942	10.17%	1.236%
86	14.600	2146	2150	2154	rVV	4024491	6859225	20.26%	2.463%
87	14.664	2158	2161	2165	rVB	1666056	2328405	6.88%	0.836%
88	14.706	2165	2168	2172	rBV2	1757151	2270007	6.70%	0.815%
89	14.764	2172	2178	2183	rVB4	1779897	3688484	10.89%	1.325%
90	14.823	2183	2188	2192	rBV3	986679	1995086	5.89%	0.716%
91	14.906	2198	2202	2204	rBV4	922578	1522078	4.50%	0.547%
92	15.023	2215	2222	2225	rBV4	3368137	8269281	24.42%	2.970%
93	15.288	2262	2267	2273	rBV4	2007101	4023003	11.88%	1.445%
94	15.406	2282	2287	2296	rVB4	1515974	4266491	12.60%	1.532%
95	15.564	2309	2314	2318	rBV2	2802028	5100140	15.06%	1.832%
96	15.917	2366	2374	2380	rBV5	1661587	5034138	14.87%	1.808%
97	16.141	2408	2412	2423	rVB6	1425166	3102355	9.16%	1.114%
98	16.582	2483	2487	2496	rVB	1653282	2963419	8.75%	1.064%
99	16.676	2498	2503	2510	rVB	1579803	3279256	9.69%	1.178%

Sum of corrected areas: 278464234

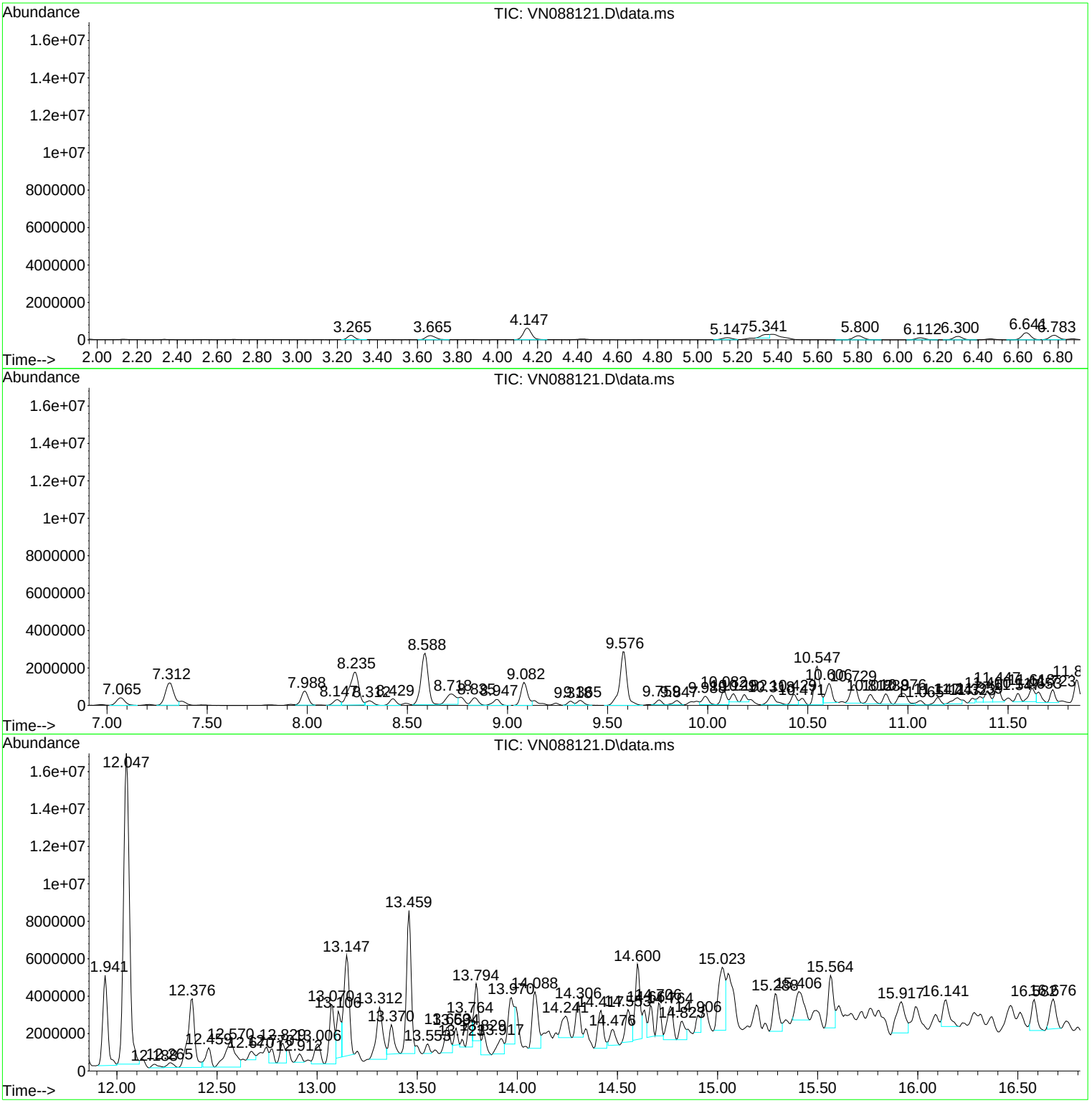
Sample Results: **VN088121.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

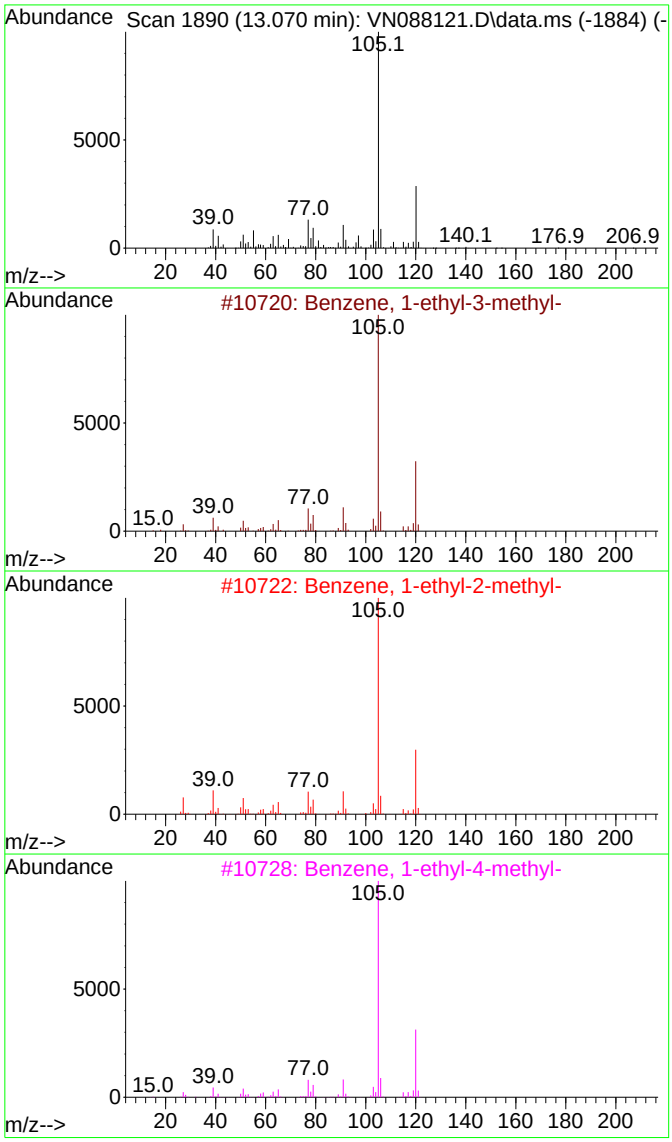
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

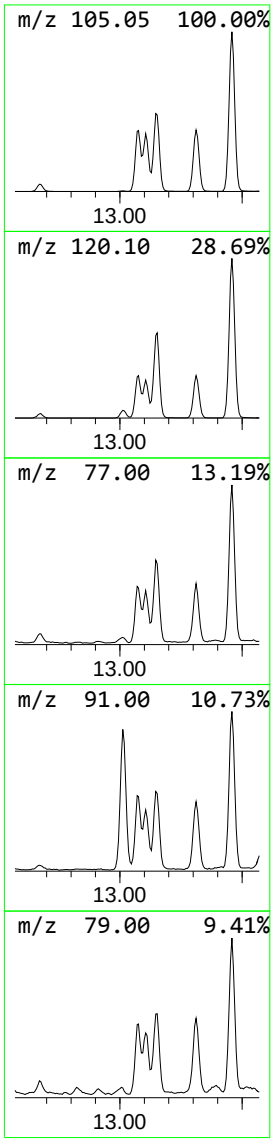
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.070	116.83 ug/l	5921090	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

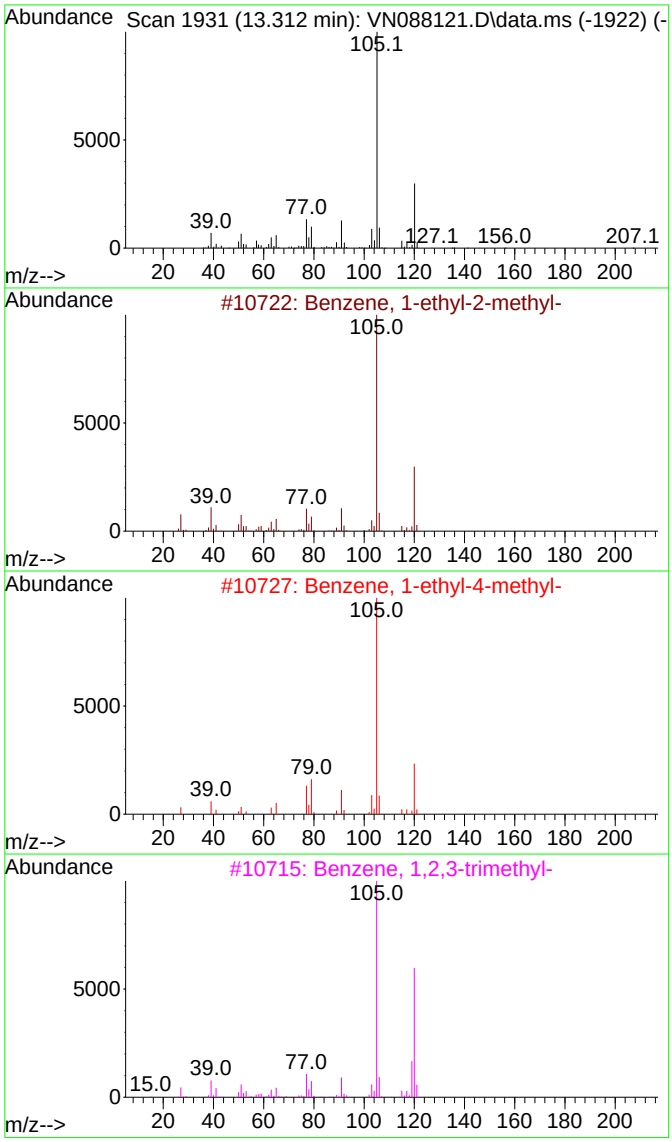
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

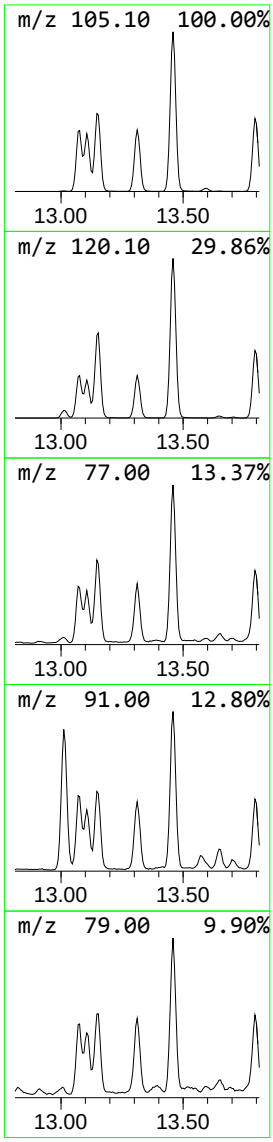
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.312	127.80 ug/l	6477250	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

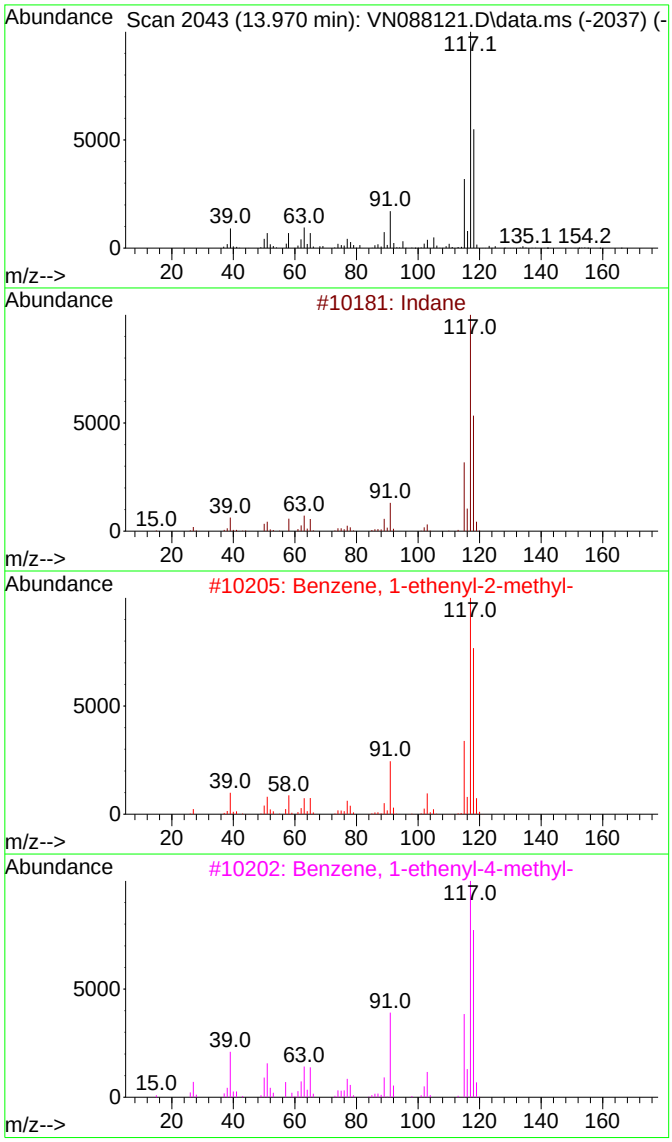
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

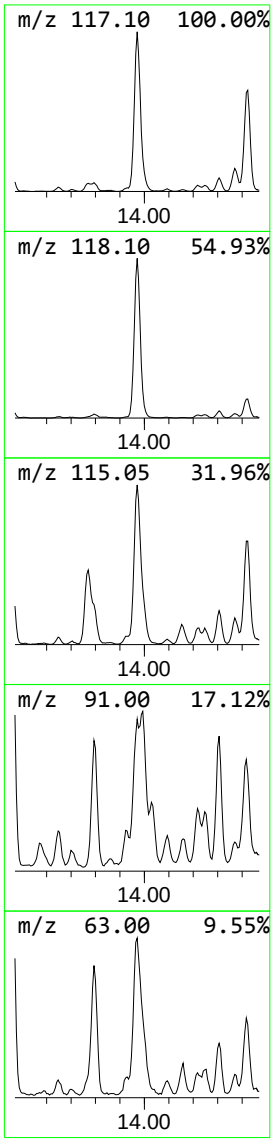
****

Peak Number 4 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.970	102.97 ug/l	5218450	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	72
4	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	64
5	Deltacyclene	118	C9H10	007785-10-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

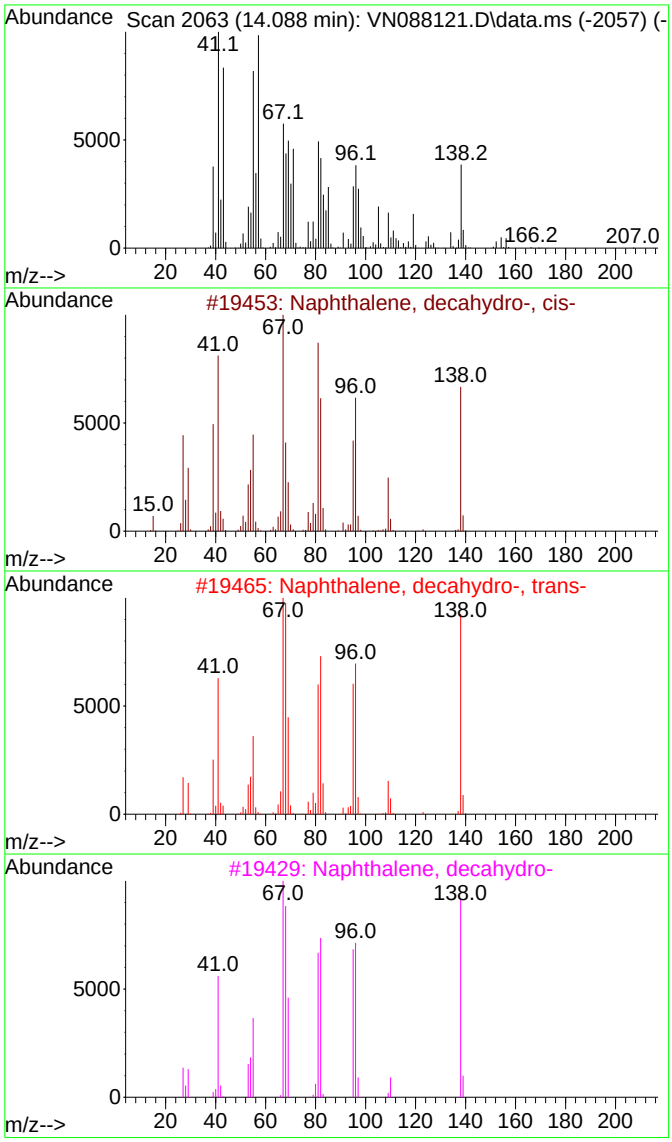
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

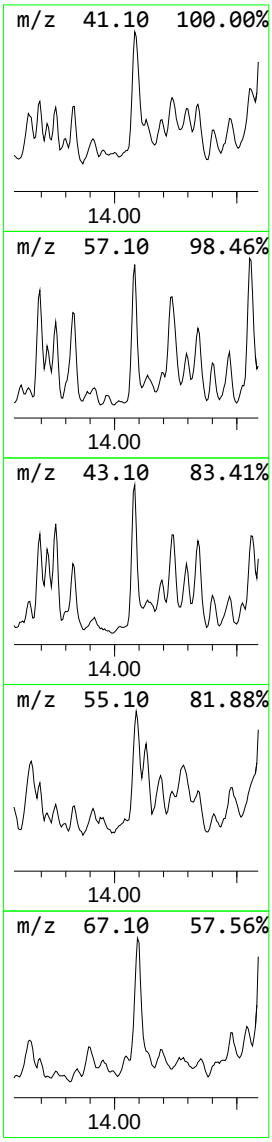
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, decahydro-, cis- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.088	122.31 ug/l	6198670	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	96
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	70
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	70
4	Cyclopentanone, 2-(2-methylpropy...	138	C9H14O	016856-72-7	50
5	2H-1-Benzopyran-2-ol, octahydro-	156	C9H16O2	021197-45-5	50





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Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

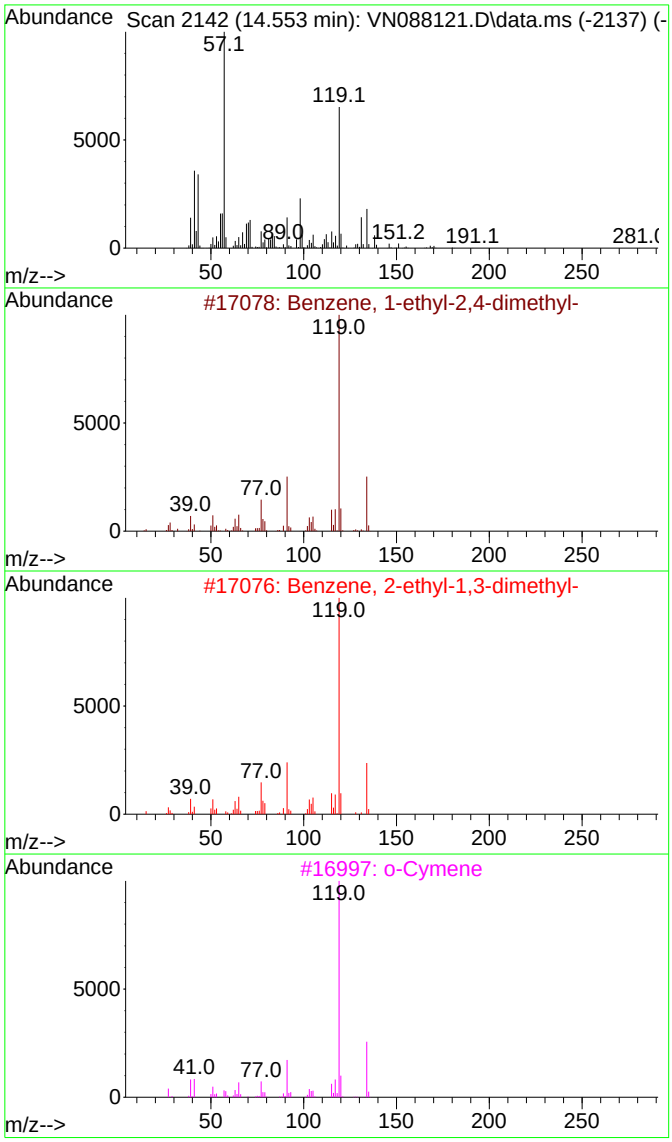
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

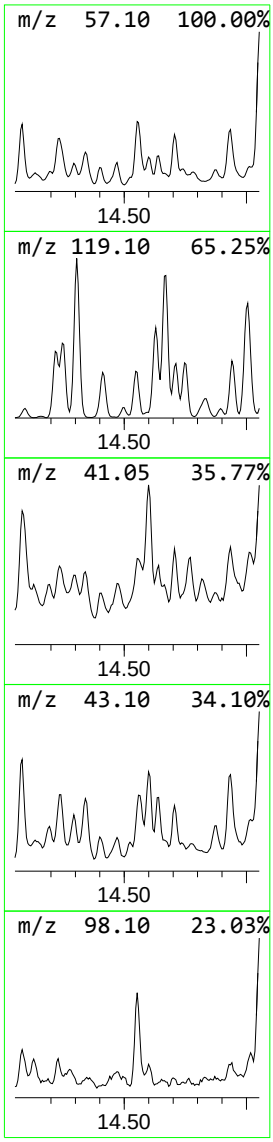
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.553	67.91 ug/l	3441940	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	89
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	89
3	o-Cymene	134	C10H14	000527-84-4	86
4	p-Cymene	134	C10H14	000099-87-6	83
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46





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Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

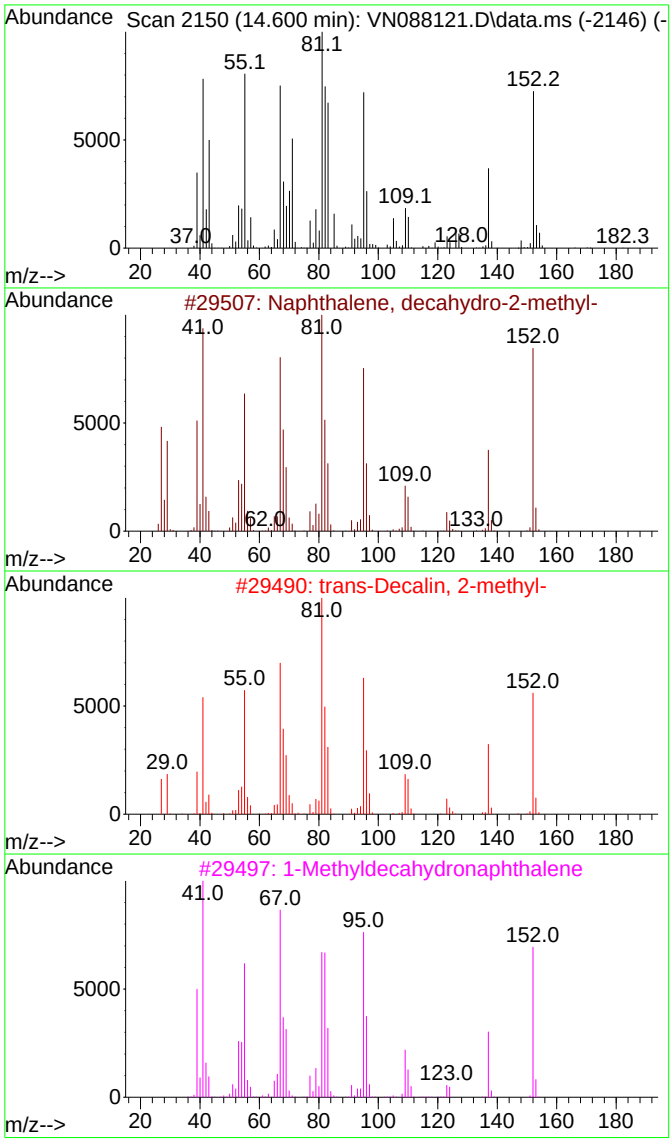
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

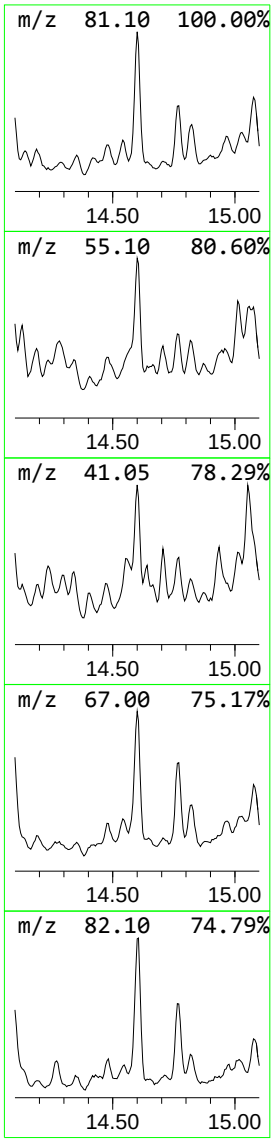
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, decahydro-2-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.600	135.34 ug/l	6859230	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
3	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	70
4	Furan, 2-hexyl-	152	C10H16O	003777-70-6	58
5	Pulegone	152	C10H16O	000089-82-7	49





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Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

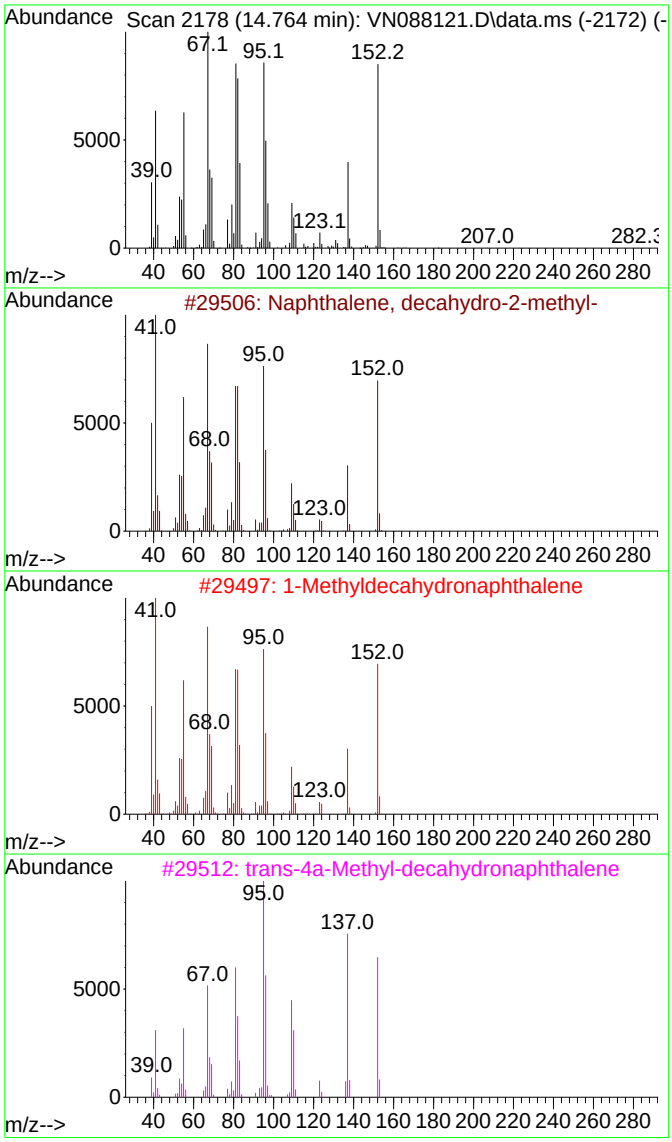
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

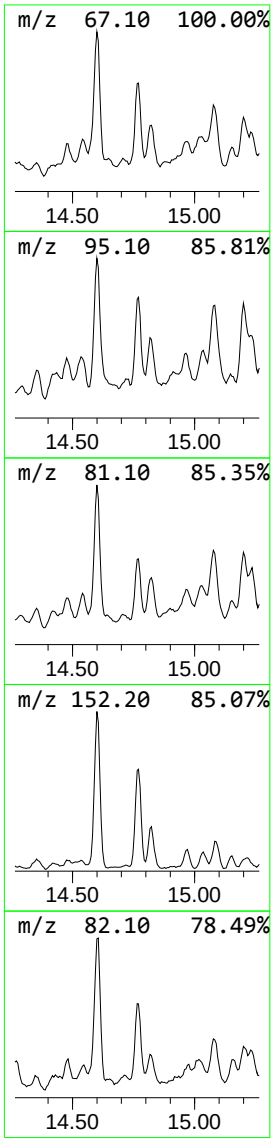
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1-Methyldecahydronaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.764	72.78 ug/l	3688480	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
3	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	64
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

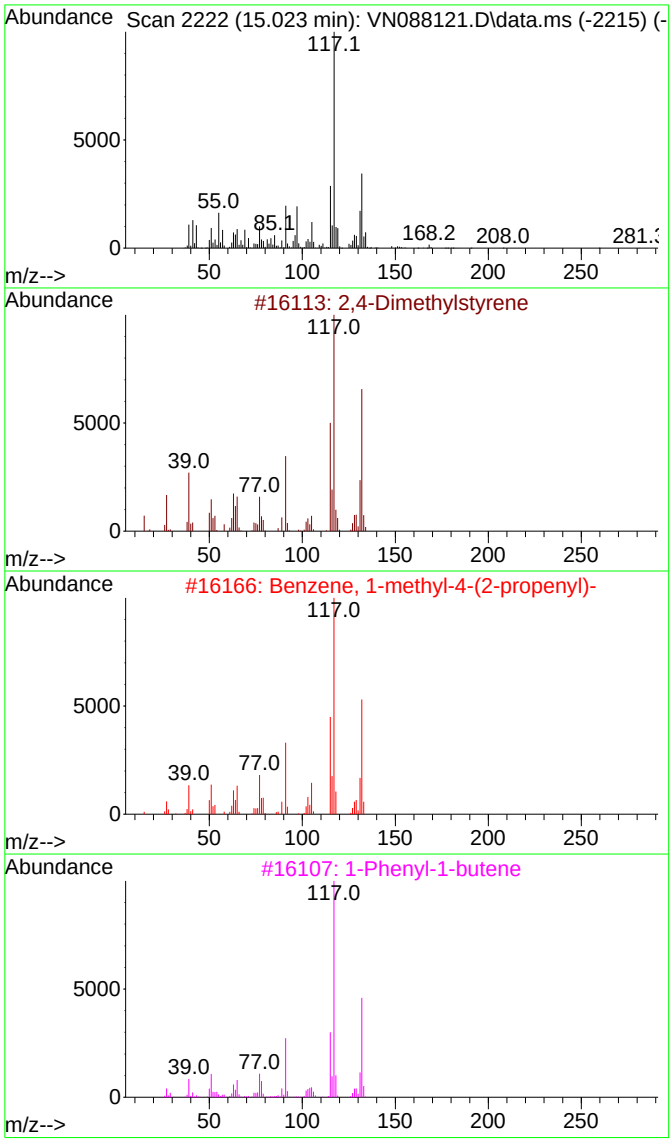
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

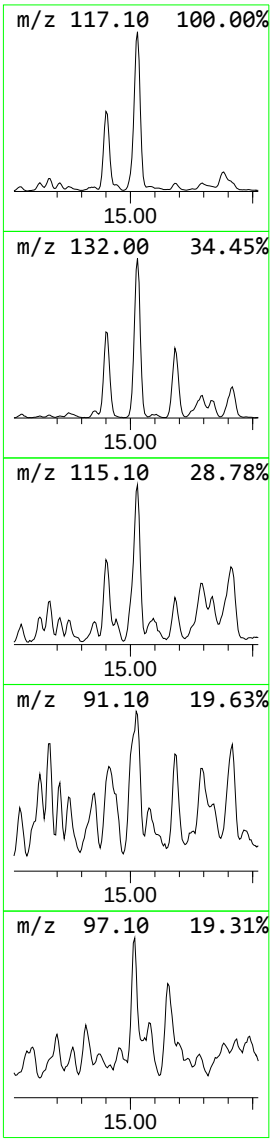
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 2,4-Dimethylstyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	163.16 ug/l	8269280	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90





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Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

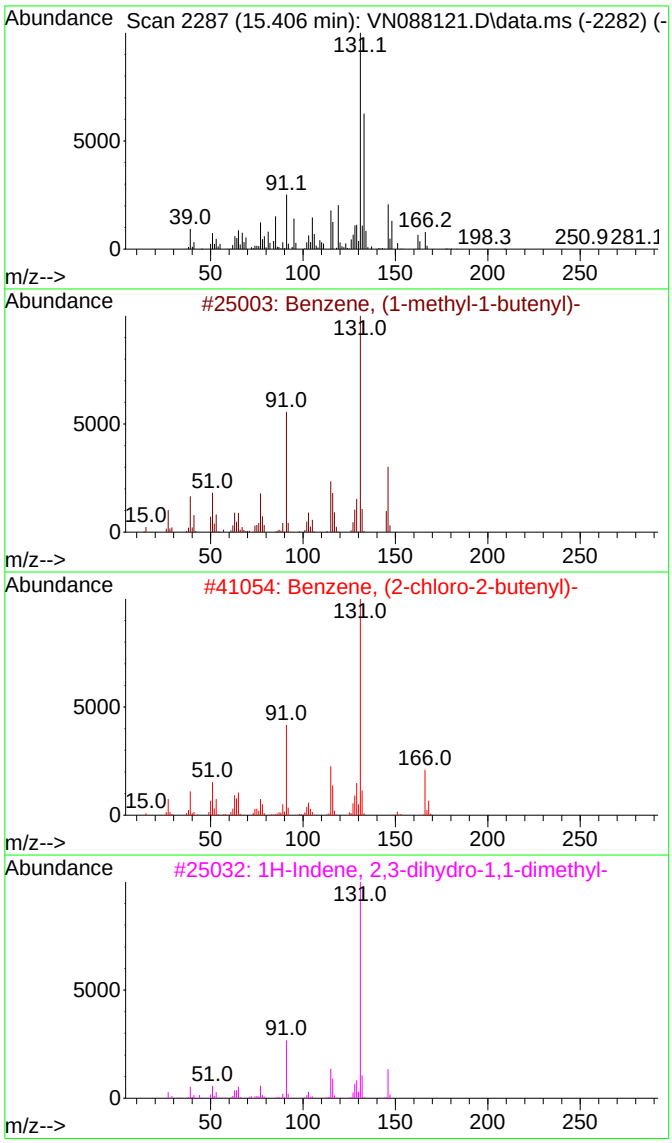
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

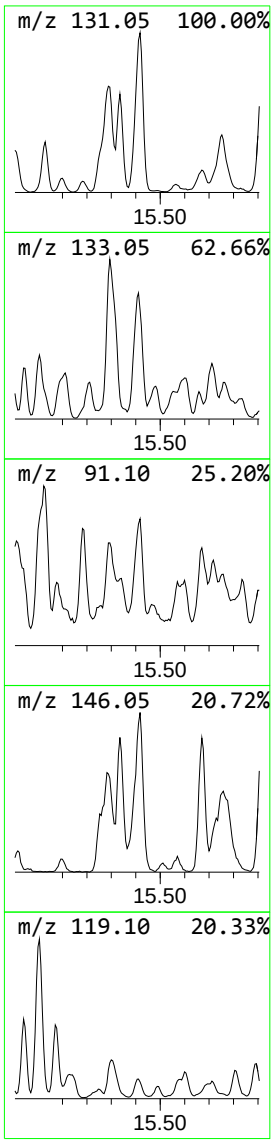
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, (1-methyl-1-butenyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.406	84.18 ug/l	4266490	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
2	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	90
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	60
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60





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Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

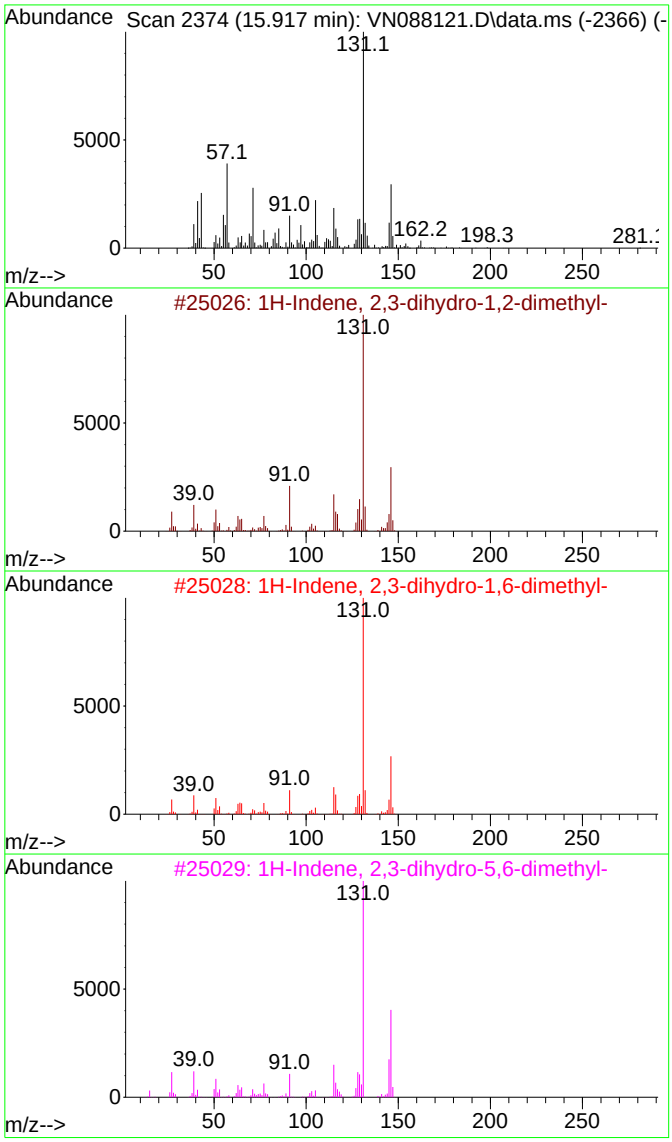
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

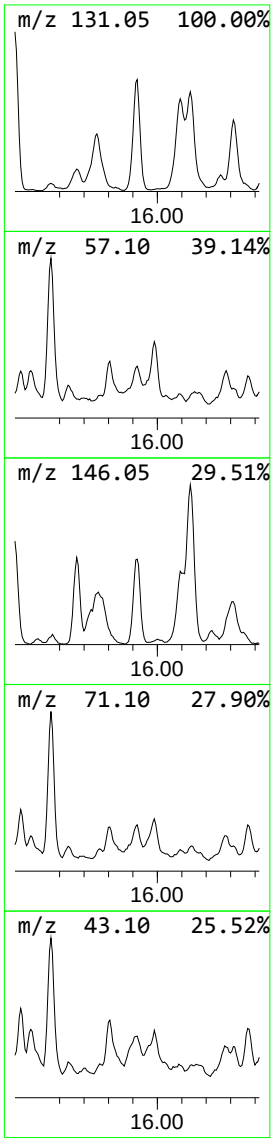
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.917	99.33 ug/l	5034140	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	89
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	89
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	86
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76





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Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

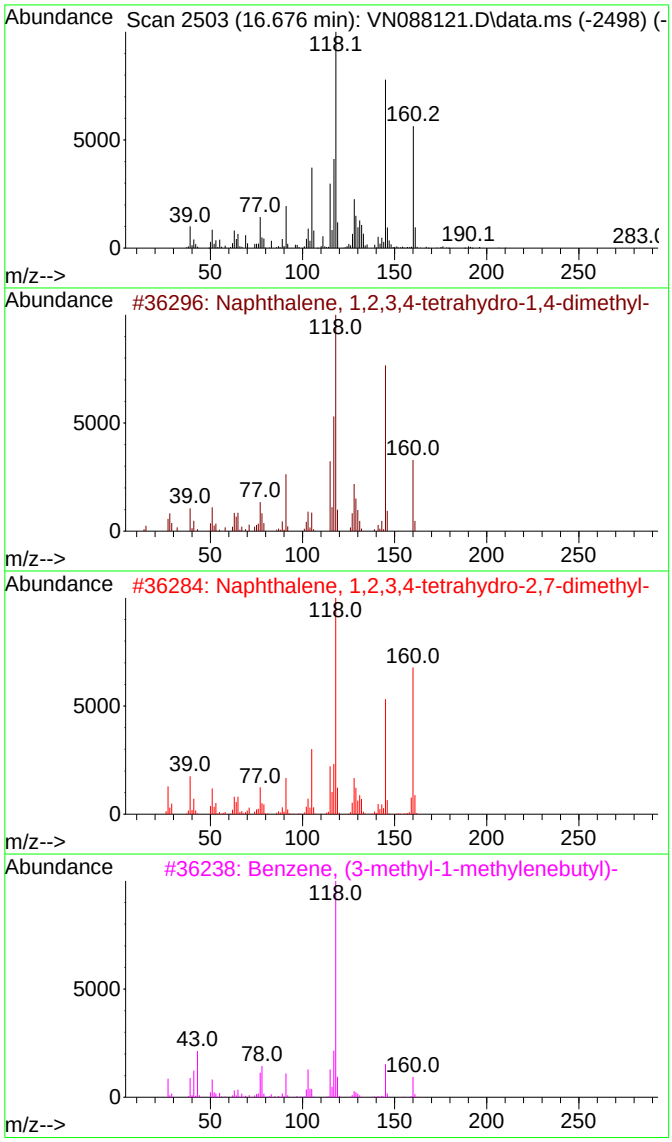
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

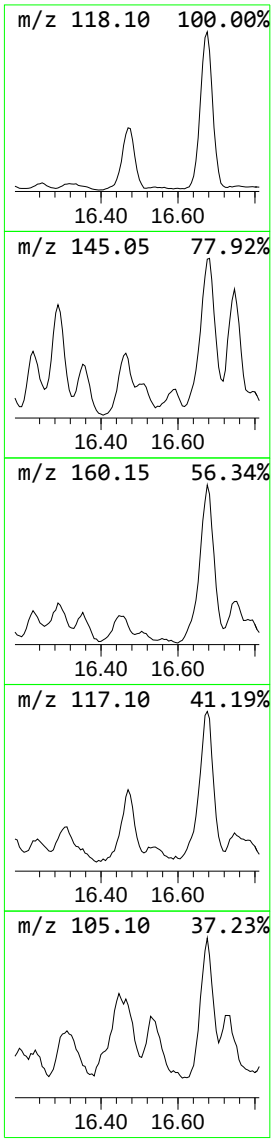
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.676	64.70 ug/l	3279260	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	70
3	Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	68
4	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	62





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Data File : VN088121.D
Acq On : 27 Oct 2025 17:39
Operator : JC\MD
Sample : Q3426-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethy...	13.070	116.8	ug/l	5921090	4	13.770	2534070	50.0
Benzene, 1-ethy...	13.312	127.8	ug/l	6477250	4	13.770	2534070	50.0
Indane	13.970	103.0	ug/l	5218450	4	13.770	2534070	50.0
Naphthalene, de...	14.088	122.3	ug/l	6198670	4	13.770	2534070	50.0
Benzene, 1-ethy...	14.553	67.9	ug/l	3441940	4	13.770	2534070	50.0
Naphthalene, de...	14.600	135.3	ug/l	6859230	4	13.770	2534070	50.0
1-Methyldecahyd...	14.764	72.8	ug/l	3688480	4	13.770	2534070	50.0
2,4-Dimethylsty...	15.023	163.2	ug/l	8269280	4	13.770	2534070	50.0
Benzene, (1-met...	15.406	84.2	ug/l	4266490	4	13.770	2534070	50.0
1H-Indene, 2,3-...	15.917	99.3	ug/l	5034140	4	13.770	2534070	50.0
Naphthalene, 1,...	16.676	64.7	ug/l	3279260	4	13.770	2534070	50.0

Raw Data: **VN088132.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	10/21/25
Project:	Willow	Date Received:	10/22/25
Client Sample ID:	TWP2DL	SDG No.:	Q3426
Lab Sample ID:	Q3426-01DL	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	UD	5	1.10	5.00	ug/L	10/28/25 12:35	VN102825
74-87-3	Chloromethane	1.60	UD	5	1.60	5.00	ug/L	10/28/25 12:35	VN102825
75-01-4	Vinyl Chloride	1.30	UD	5	1.30	5.00	ug/L	10/28/25 12:35	VN102825
74-83-9	Bromomethane	7.20	UD	5	7.20	25.0	ug/L	10/28/25 12:35	VN102825
75-00-3	Chloroethane	2.40	UD	5	2.40	5.00	ug/L	10/28/25 12:35	VN102825
75-69-4	Trichlorofluoromethane	1.70	UD	5	1.70	5.00	ug/L	10/28/25 12:35	VN102825
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	UD	5	1.30	5.00	ug/L	10/28/25 12:35	VN102825
75-65-0	Tert butyl alcohol	27.6	UD	5	27.6	130	ug/L	10/28/25 12:35	VN102825
75-35-4	1,1-Dichloroethene	1.20	UD	5	1.20	5.00	ug/L	10/28/25 12:35	VN102825
67-64-1	Acetone	140	D	5	7.60	25.0	ug/L	10/28/25 12:35	VN102825
75-15-0	Carbon Disulfide	1.10	UD	5	1.10	5.00	ug/L	10/28/25 12:35	VN102825
1634-04-4	Methyl tert-butyl Ether	0.80	UD	5	0.80	5.00	ug/L	10/28/25 12:35	VN102825
79-20-9	Methyl Acetate	1.40	UD	5	1.40	5.00	ug/L	10/28/25 12:35	VN102825
75-09-2	Methylene Chloride	1.40	UD	5	1.40	5.00	ug/L	10/28/25 12:35	VN102825
156-60-5	trans-1,2-Dichloroethene	1.20	UD	5	1.20	5.00	ug/L	10/28/25 12:35	VN102825
75-34-3	1,1-Dichloroethane	1.20	UD	5	1.20	5.00	ug/L	10/28/25 12:35	VN102825
110-82-7	Cyclohexane	120	D	5	7.30	25.0	ug/L	10/28/25 12:35	VN102825
78-93-3	2-Butanone	62.3	D	5	4.90	25.0	ug/L	10/28/25 12:35	VN102825
56-23-5	Carbon Tetrachloride	1.30	UD	5	1.30	5.00	ug/L	10/28/25 12:35	VN102825
156-59-2	cis-1,2-Dichloroethene	0.95	UD	5	0.95	5.00	ug/L	10/28/25 12:35	VN102825
74-97-5	Bromochloromethane	1.10	UD	5	1.10	5.00	ug/L	10/28/25 12:35	VN102825
67-66-3	Chloroform	1.30	UD	5	1.30	5.00	ug/L	10/28/25 12:35	VN102825
71-55-6	1,1,1-Trichloroethane	1.00	UD	5	1.00	5.00	ug/L	10/28/25 12:35	VN102825
108-87-2	Methylcyclohexane	79.4	D	5	0.80	5.00	ug/L	10/28/25 12:35	VN102825
71-43-2	Benzene	180	D	5	0.75	5.00	ug/L	10/28/25 12:35	VN102825
107-06-2	1,2-Dichloroethane	1.10	UDQ	5	1.10	5.00	ug/L	10/28/25 12:35	VN102825
79-01-6	Trichloroethene	0.47	UD	5	0.47	5.00	ug/L	10/28/25 12:35	VN102825
78-87-5	1,2-Dichloropropane	1.00	UD	5	1.00	5.00	ug/L	10/28/25 12:35	VN102825
75-27-4	Bromodichloromethane	1.10	UDQ	5	1.10	5.00	ug/L	10/28/25 12:35	VN102825
108-10-1	4-Methyl-2-Pentanone	3.40	UD	5	3.40	25.0	ug/L	10/28/25 12:35	VN102825
108-88-3	Toluene	43.1	D	5	0.70	5.00	ug/L	10/28/25 12:35	VN102825
10061-02-6	t-1,3-Dichloropropene	0.85	UD	5	0.85	5.00	ug/L	10/28/25 12:35	VN102825
10061-01-5	cis-1,3-Dichloropropene	0.80	UD	5	0.80	5.00	ug/L	10/28/25 12:35	VN102825
79-00-5	1,1,2-Trichloroethane	1.10	UD	5	1.10	5.00	ug/L	10/28/25 12:35	VN102825
591-78-6	2-Hexanone	4.50	UD	5	4.50	25.0	ug/L	10/28/25 12:35	VN102825
124-48-1	Dibromochloromethane	0.90	UD	5	0.90	5.00	ug/L	10/28/25 12:35	VN102825
106-93-4	1,2-Dibromoethane	0.75	UD	5	0.75	5.00	ug/L	10/28/25 12:35	VN102825
127-18-4	Tetrachloroethene	1.20	UD	5	1.20	5.00	ug/L	10/28/25 12:35	VN102825
108-90-7	Chlorobenzene	0.60	UD	5	0.60	5.00	ug/L	10/28/25 12:35	VN102825
100-41-4	Ethyl Benzene	140	DQ	5	0.65	5.00	ug/L	10/28/25 12:35	VN102825
179601-23-1	m/p-Xylenes	550	D	5	1.20	10.0	ug/L	10/28/25 12:35	VN102825
95-47-6	o-Xylene	100	DQ	5	0.60	5.00	ug/L	10/28/25 12:35	VN102825
100-42-5	Styrene	0.75	UD	5	0.75	5.00	ug/L	10/28/25 12:35	VN102825

Raw Data: **VN088132.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	10/21/25
Project:	Willow	Date Received:	10/22/25
Client Sample ID:	TWP2DL	SDG No.:	Q3426
Lab Sample ID:	Q3426-01DL	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	0.95	UD	5	0.95	5.00	ug/L	10/28/25 12:35	VN102825
98-82-8	Isopropylbenzene	9.50	D	5	0.60	5.00	ug/L	10/28/25 12:35	VN102825
79-34-5	1,1,2,2-Tetrachloroethane	1.30	UD	5	1.30	5.00	ug/L	10/28/25 12:35	VN102825
95-63-6	1,2,4-Trimethylbenzene	230	D	5	0.70	5.00	ug/L	10/28/25 12:35	VN102825
541-73-1	1,3-Dichlorobenzene	0.80	UD	5	0.80	5.00	ug/L	10/28/25 12:35	VN102825
106-46-7	1,4-Dichlorobenzene	0.95	UD	5	0.95	5.00	ug/L	10/28/25 12:35	VN102825
95-50-1	1,2-Dichlorobenzene	0.80	UD	5	0.80	5.00	ug/L	10/28/25 12:35	VN102825
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	UD	5	2.70	5.00	ug/L	10/28/25 12:35	VN102825
120-82-1	1,2,4-Trichlorobenzene	1.00	UD	5	1.00	5.00	ug/L	10/28/25 12:35	VN102825
87-61-6	1,2,3-Trichlorobenzene	1.00	UD	5	1.00	5.00	ug/L	10/28/25 12:35	VN102825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.6			74 - 125	105%	SPK: 50		
1868-53-7	Dibromofluoromethane	45.1			75 - 124	90%	SPK: 50		
2037-26-5	Toluene-d8	43.8			86 - 113	88%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.8			77 - 121	102%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	239000							
540-36-3	1,4-Difluorobenzene	533000							
3114-55-4	Chlorobenzene-d5	499000							
3855-82-1	1,4-Dichlorobenzene-d4	242000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088132.D
Acq On : 28 Oct 2025 12:35
Operator : JC\MD
Sample : Q3426-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Quant Time: Oct 29 02:20:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

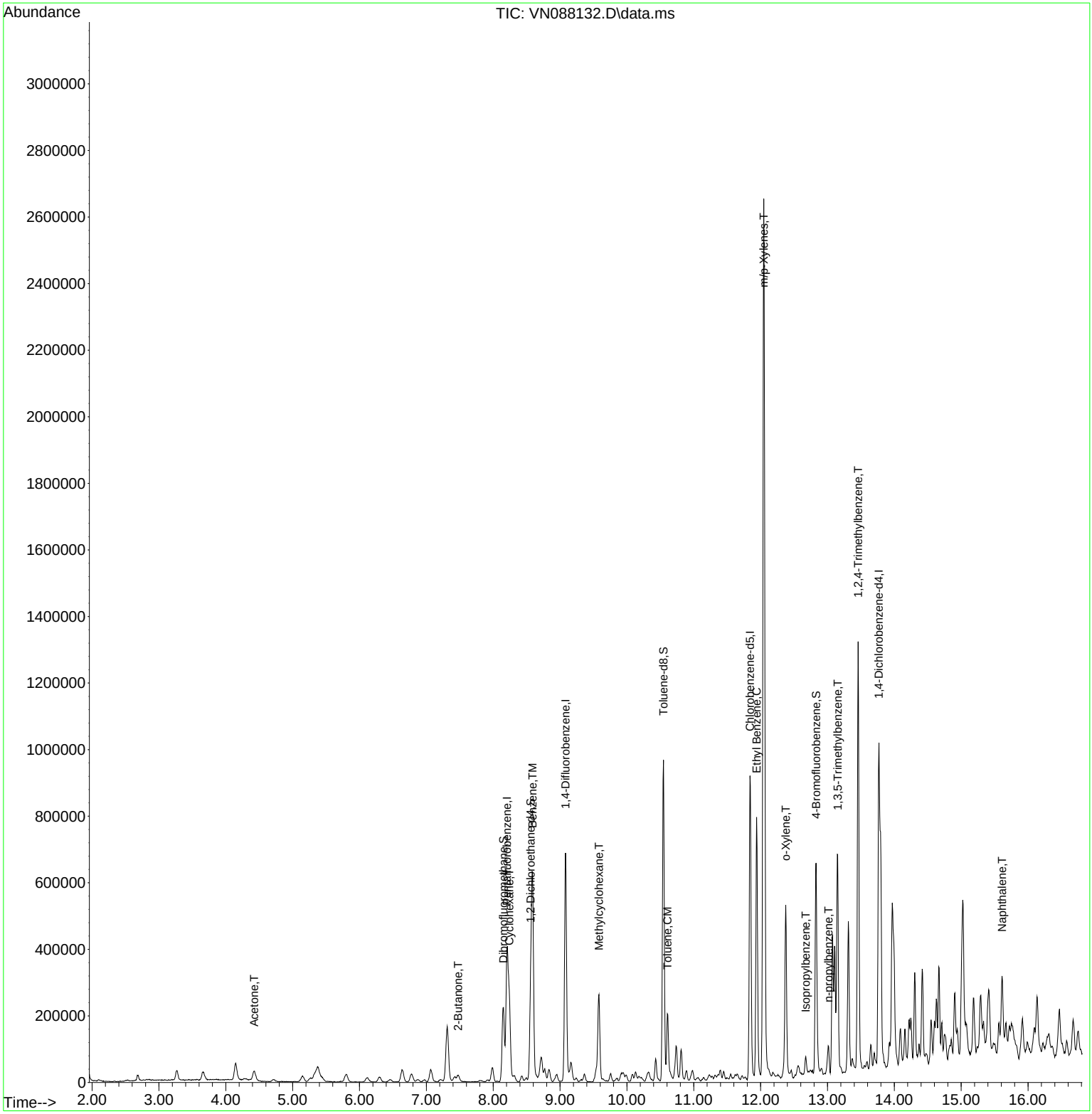
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	238689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	533116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	499340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	241900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	217152	52.612	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.220%			
35) Dibromofluoromethane	8.153	113	161545	45.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.220%			
50) Toluene-d8	10.547	98	603883	43.759	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 87.520%			
62) 4-Bromofluorobenzene	12.829	95	247606	50.805	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.600%			
Target Compounds						Qvalue
16) Acetone	4.424	43	59236	28.567	ug/l	97
25) 2-Butanone	7.477	43	34063	12.465	ug/l	93
31) Cyclohexane	8.241	56	142950	24.742	ug/l	95
39) Methylcyclohexane	9.582	83	106715	15.876	ug/l	94
40) Benzene	8.588	78	568660	35.707	ug/l	99
52) Toluene	10.606	92	84641	8.620	ug/l	99
67) Ethyl Benzene	11.941	91	559854	28.130	ug/l	99
68) m/p-Xylenes	12.047	106	822064	110.239	ug/l	100
69) o-Xylene	12.376	106	142636	20.177	ug/l	97
73) Isopropylbenzene	12.676	105	35288	1.891	ug/l	100
78) n-propylbenzene	13.018	91	69254	3.042	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	342380	22.096	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	728307	46.979	ug/l	99
95) Naphthalene	15.611	128	222124	13.829	ug/l	97

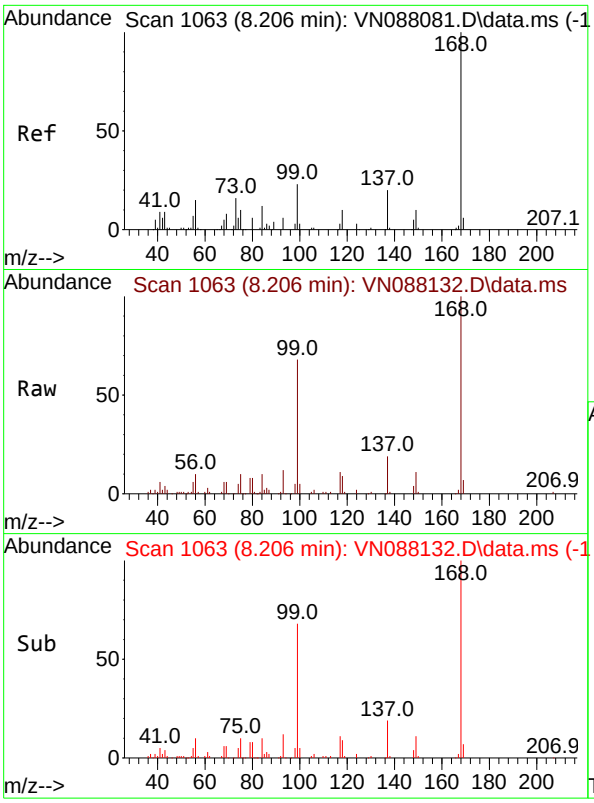
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088132.D
Acq On : 28 Oct 2025 12:35
Operator : JC\MD
Sample : Q3426-01DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Quant Time: Oct 29 02:20:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration



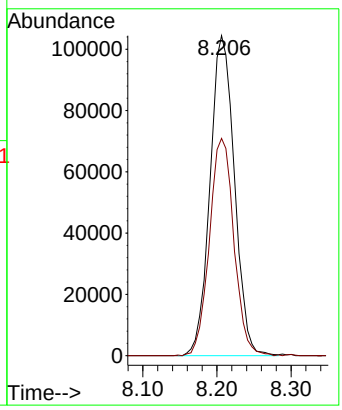


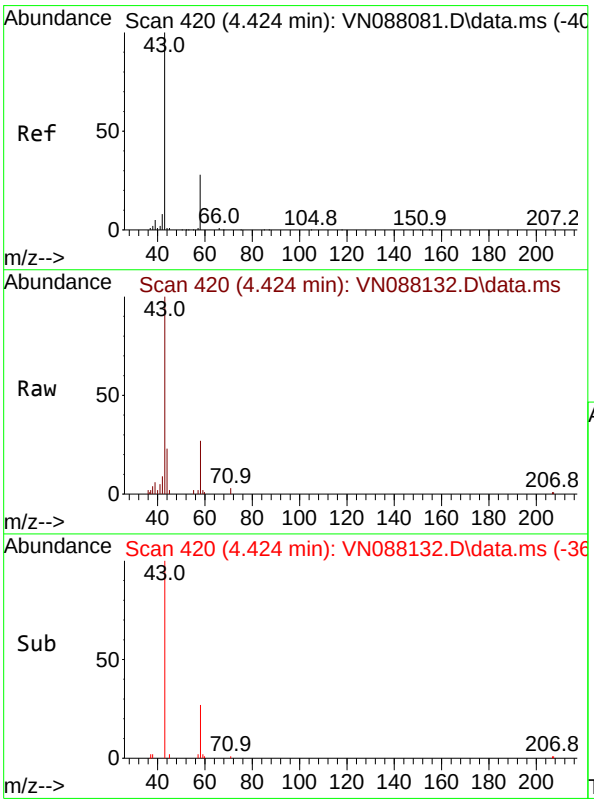
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion:168 Resp: 238689

Ion	Ratio	Lower	Upper
168	100		
99	67.7	57.2	85.8

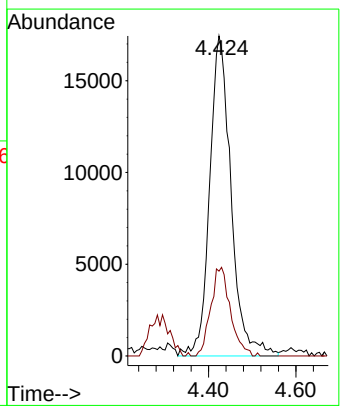


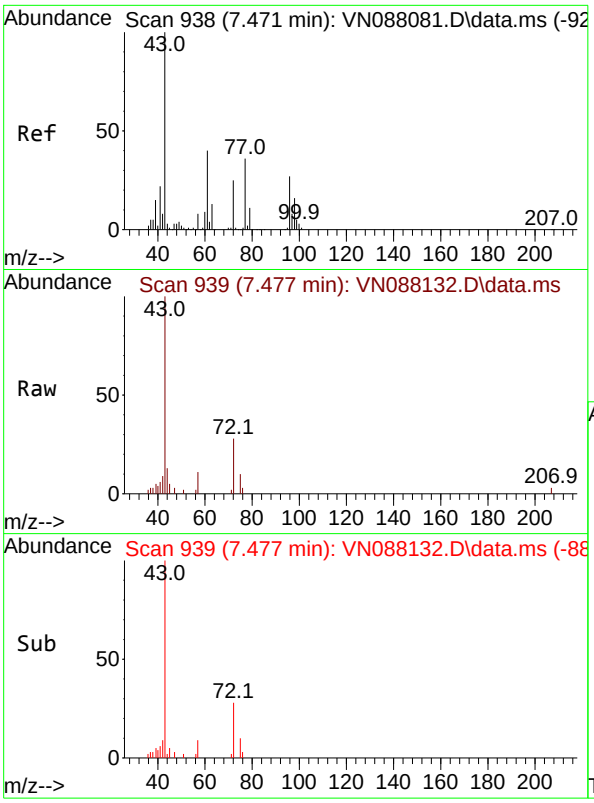


#16
Acetone
Concen: 28.567 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 43 Resp: 59236

Ion	Ratio	Lower	Upper
43	100		
58	26.5	22.6	33.8



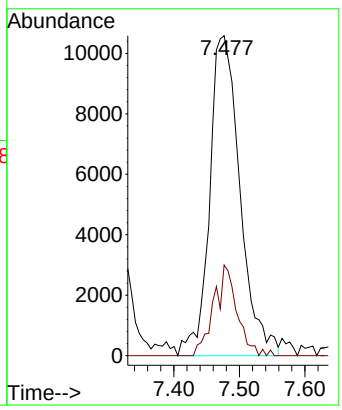


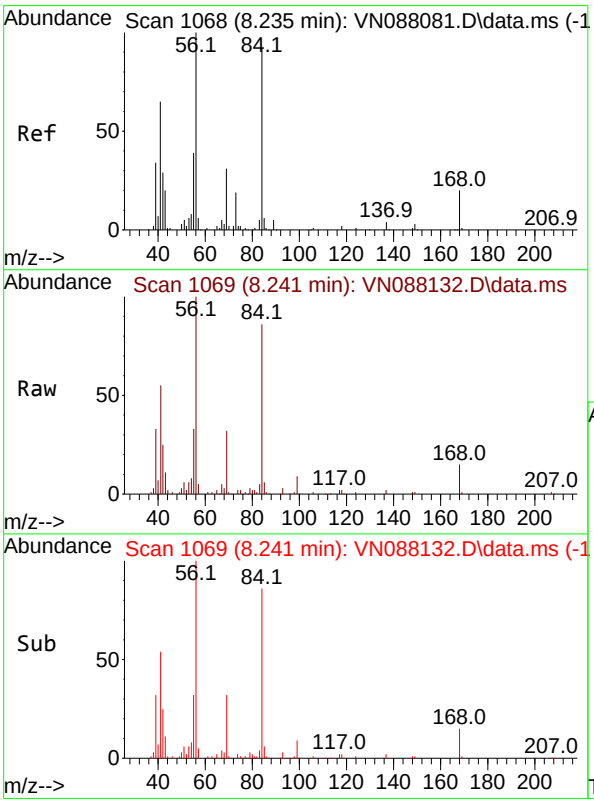
#25
2-Butanone
Concen: 12.465 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.012 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion: 43 Resp: 34063

Ion	Ratio	Lower	Upper
43	100		
72	28.3	19.9	29.9

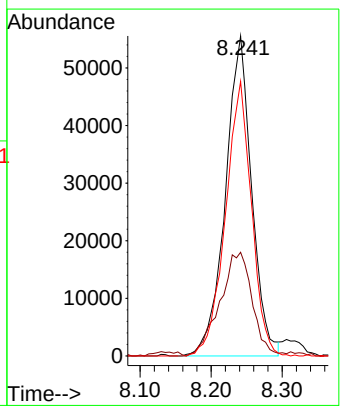


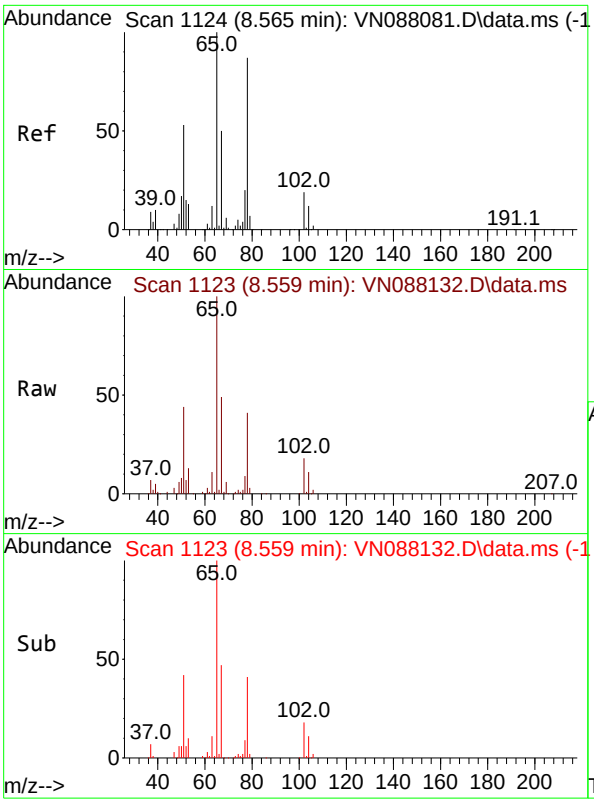


#31
Cyclohexane
Concen: 24.742 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 56 Resp: 142950

Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.7	35.5
84	85.8	64.7	97.1



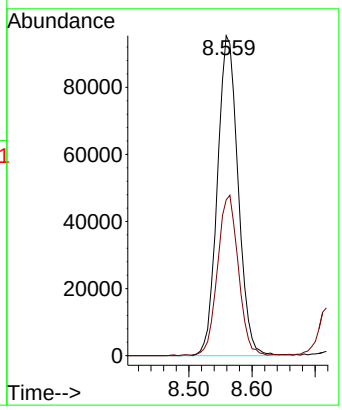


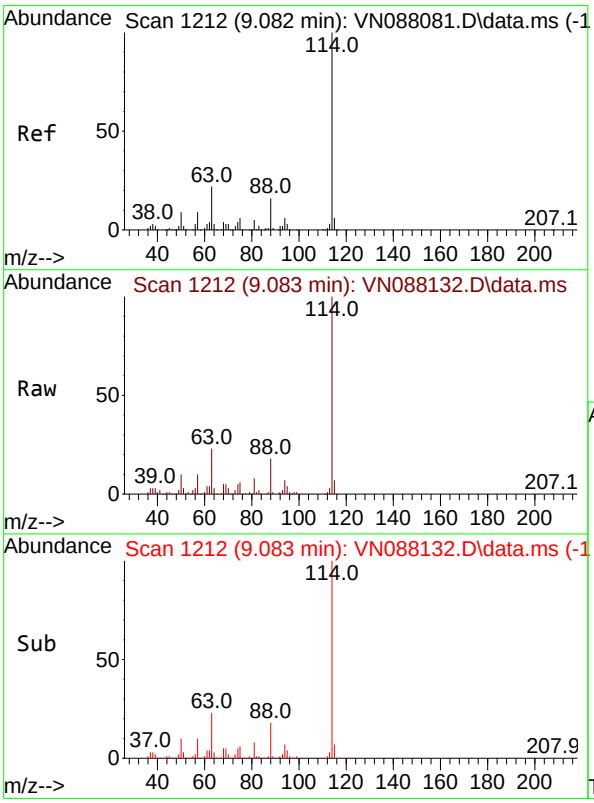
#33
1,2-Dichloroethane-d4
Concen: 52.612 ug/l
RT: 8.559 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion: 65 Resp: 217152

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.0

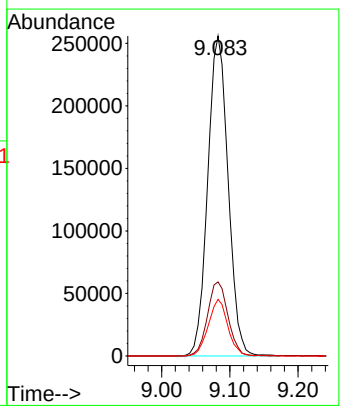


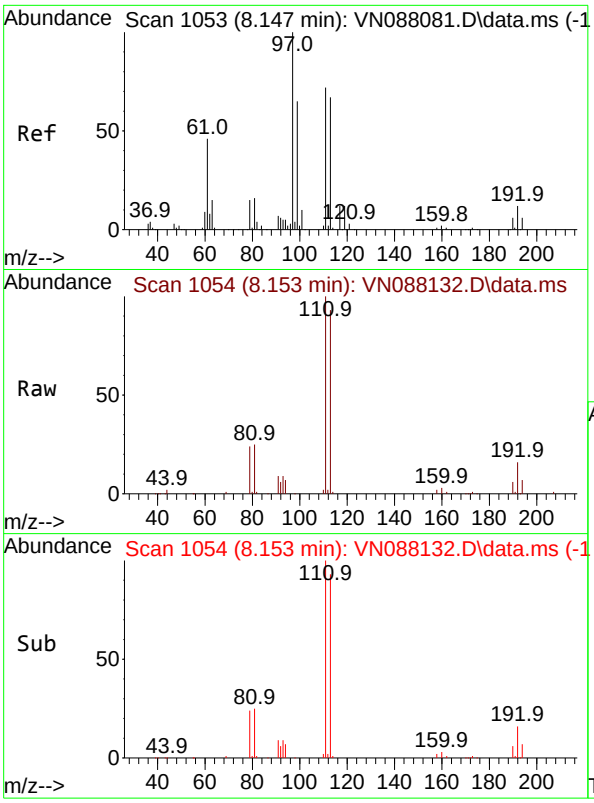


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:114 Resp: 533116

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.2
88	17.7	0.0	33.4



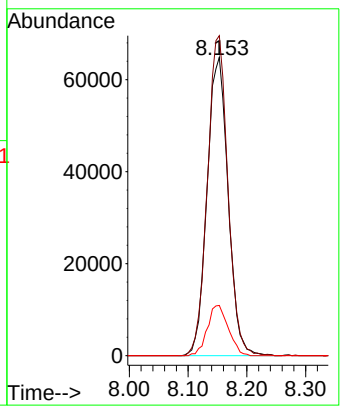


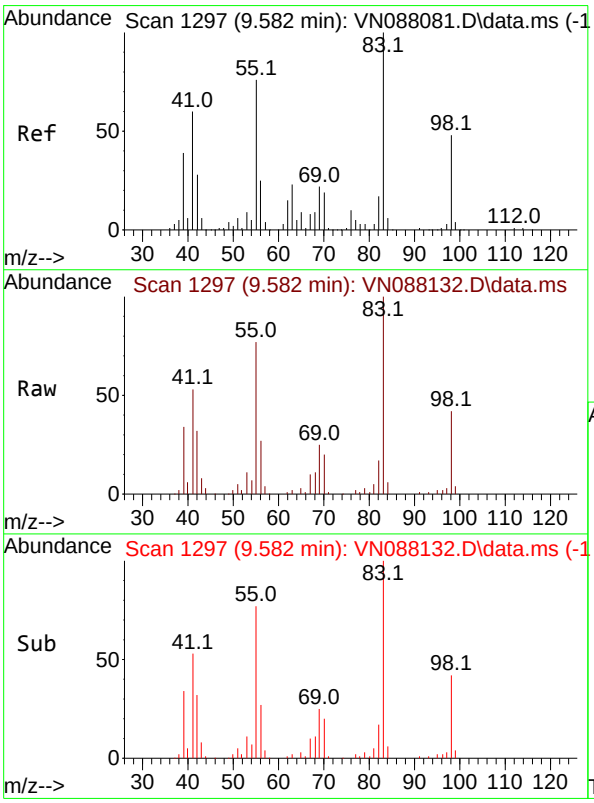
#35
Dibromofluoromethane
Concen: 45.105 ug/l
RT: 8.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion:113 Resp: 161545

Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.8	124.2
192	16.8	12.8	19.2

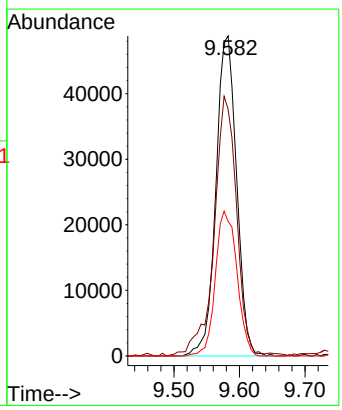


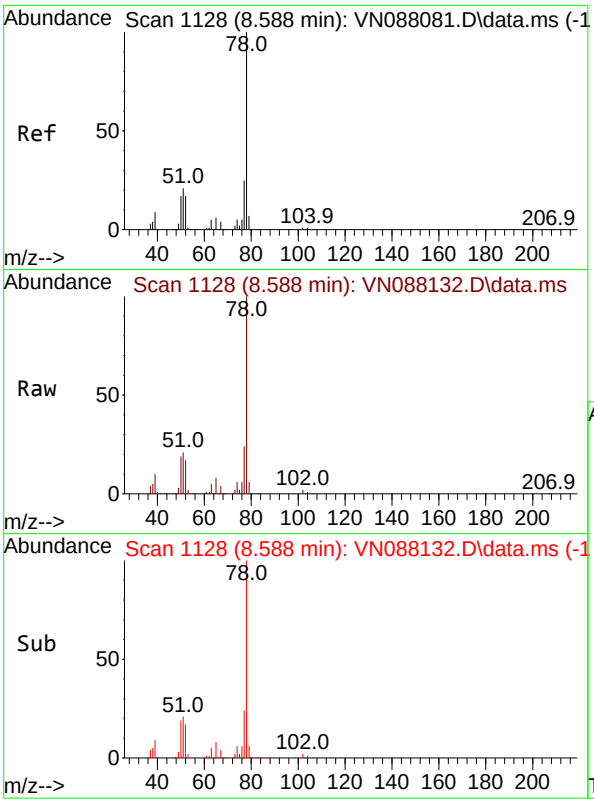


#39
Methylcyclohexane
Concen: 15.876 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 83 Resp: 106715

Ion	Ratio	Lower	Upper
83	100		
55	76.4	64.6	96.8
98	42.0	38.4	57.6



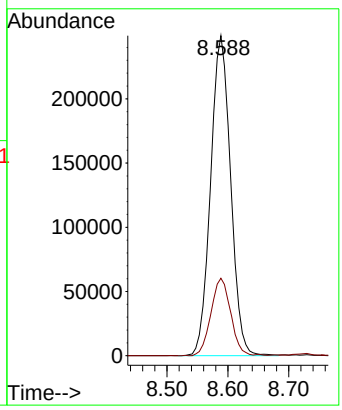


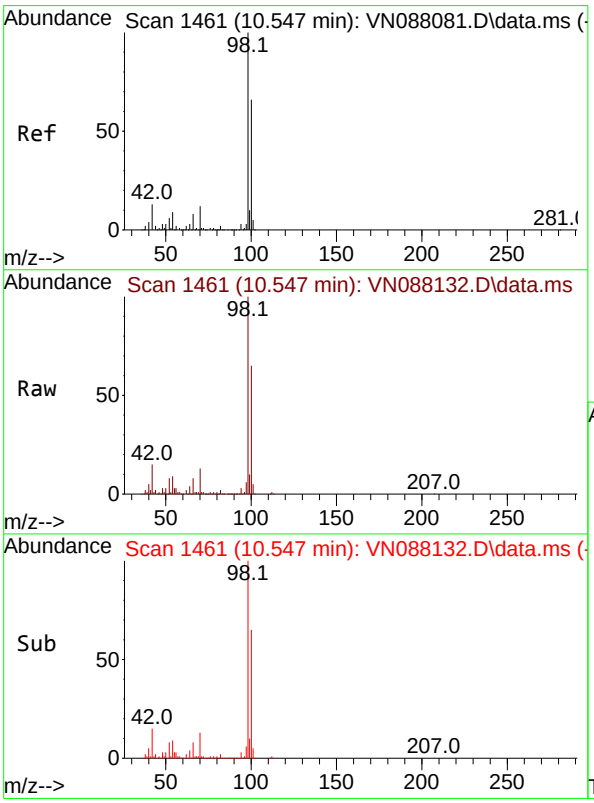
#40
Benzene
Concen: 35.707 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion: 78 Resp: 568660

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.7	29.5

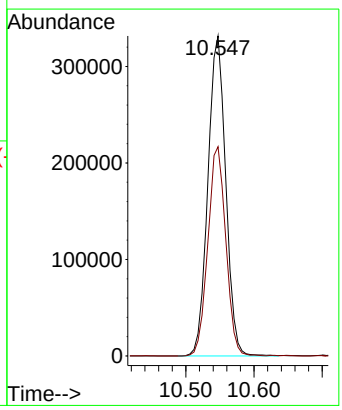


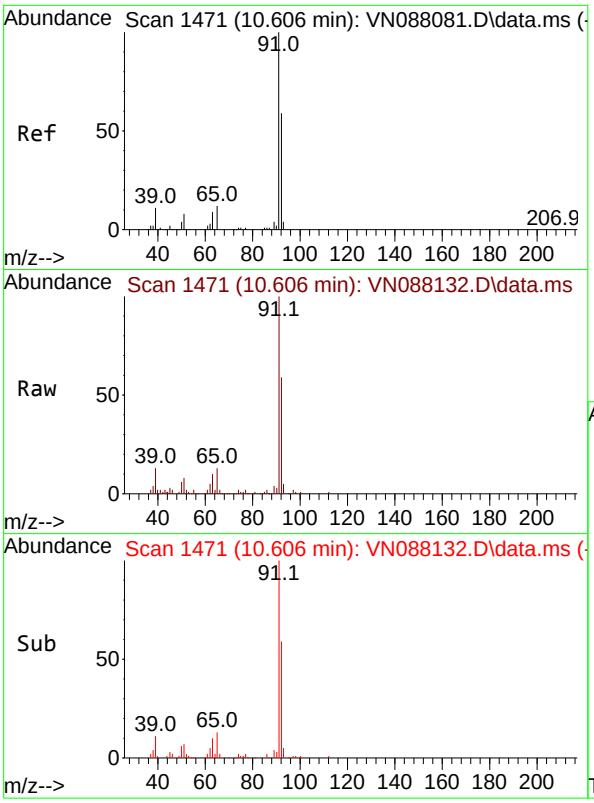


#50
Toluene-d8
Concen: 43.759 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 98 Resp: 603883

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.8	79.2



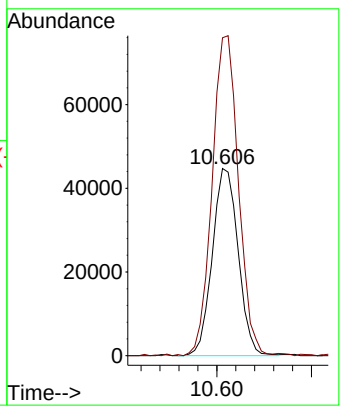


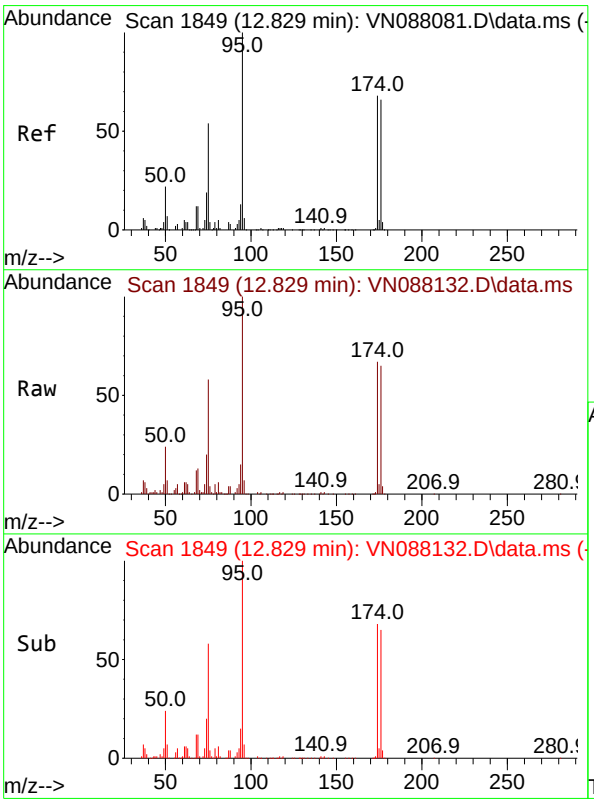
#52
Toluene
Concen: 8.620 ug/l
RT: 10.606 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion: 92 Resp: 84641

Ion	Ratio	Lower	Upper
92	100		
91	174.0	140.4	210.6

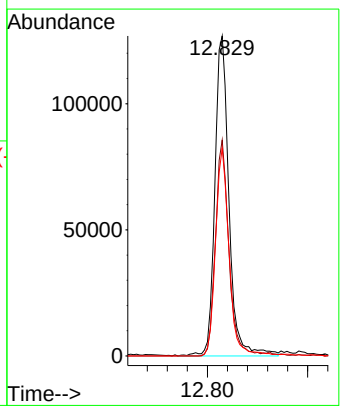


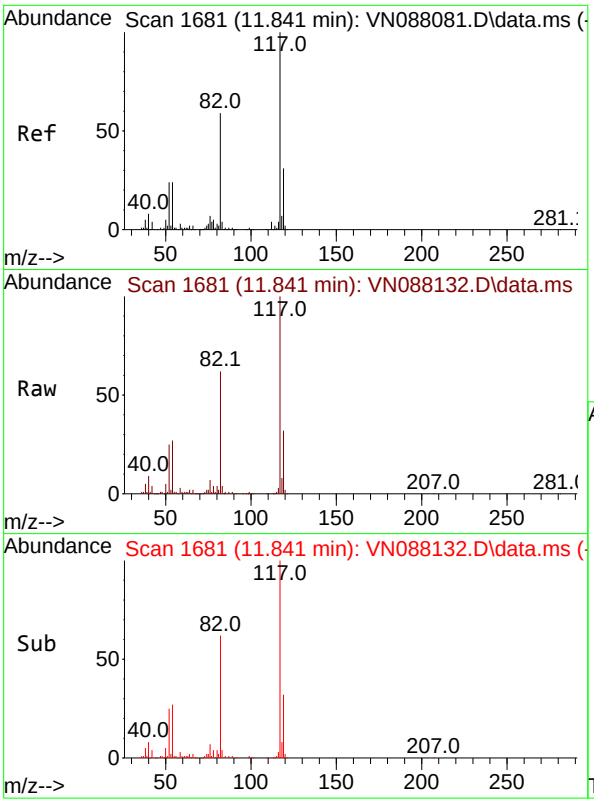


#62
4-Bromofluorobenzene
Concen: 50.805 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 95 Resp: 247606

Ion	Ratio	Lower	Upper
95	100		
174	63.9	0.0	138.4
176	62.4	0.0	132.6



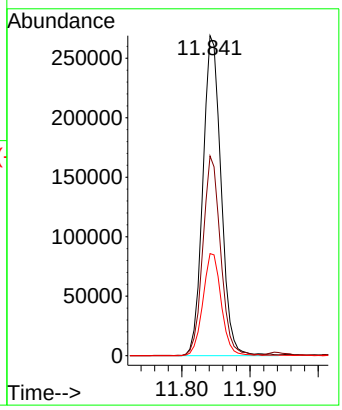


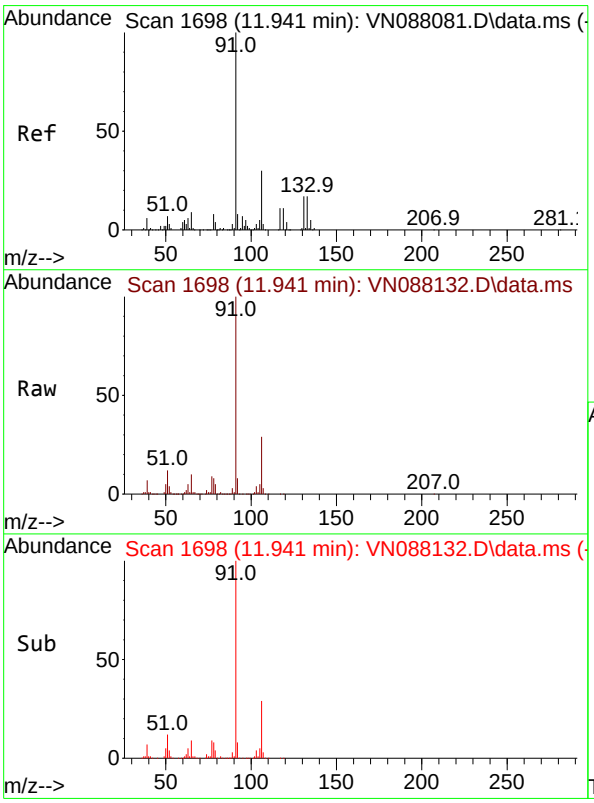
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion:117 Resp: 499340

Ion	Ratio	Lower	Upper
117	100		
82	62.2	47.4	71.2
119	31.9	24.3	36.5

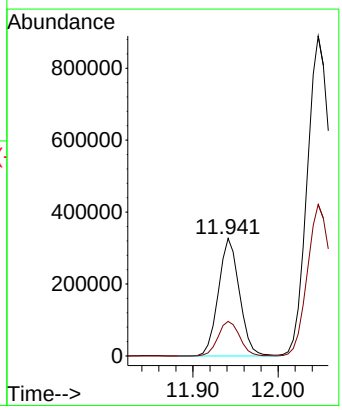


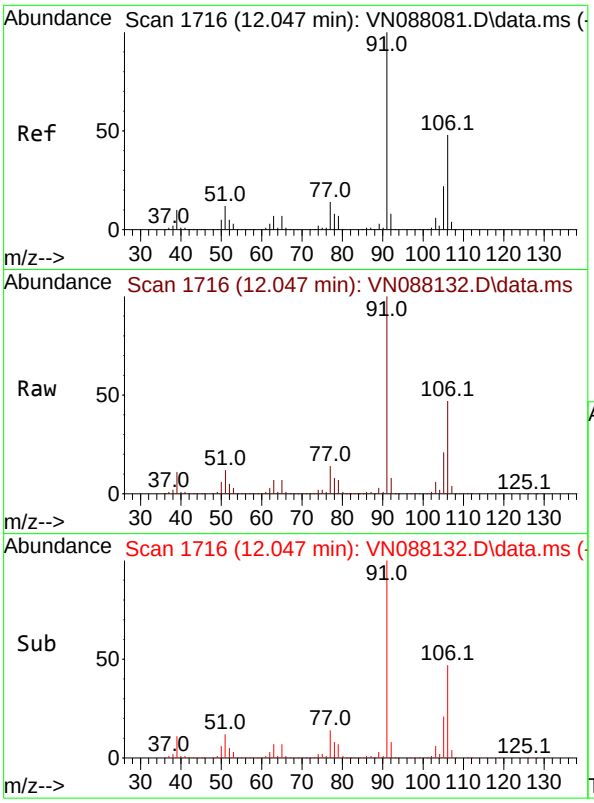


#67
Ethyl Benzene
Concen: 28.130 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion: 91 Resp: 559854

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.1	36.1



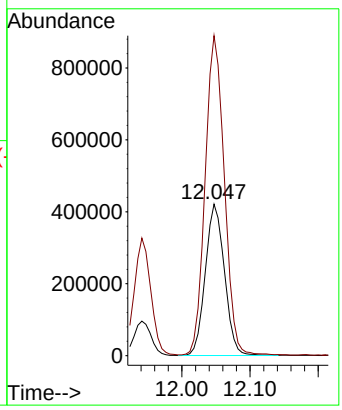


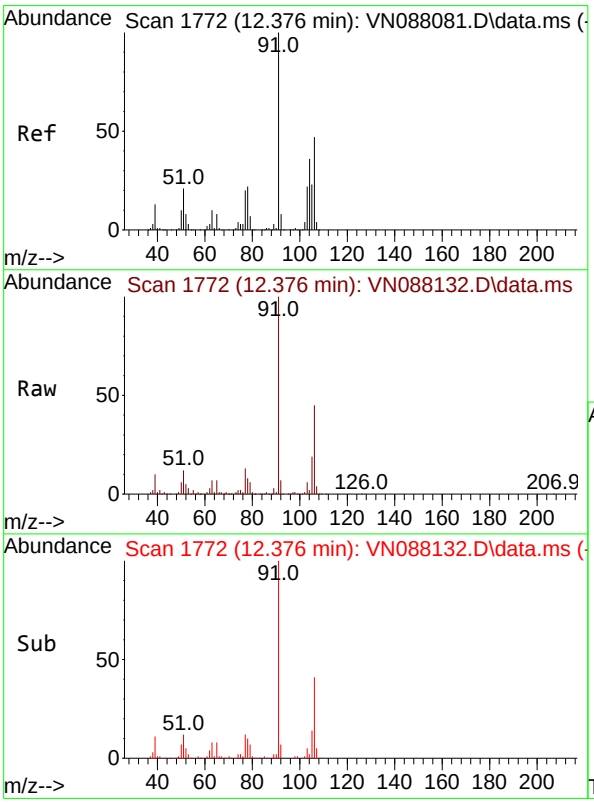
#68
m/p-Xylenes
Concen: 110.239 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion:106 Resp: 822064

Ion	Ratio	Lower	Upper
106	100		
91	212.0	169.3	253.9

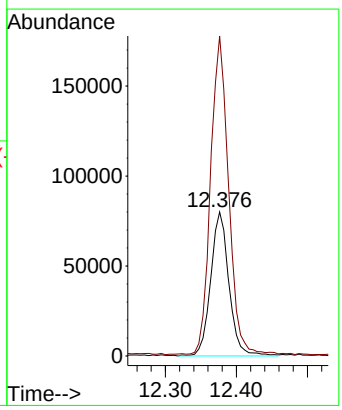


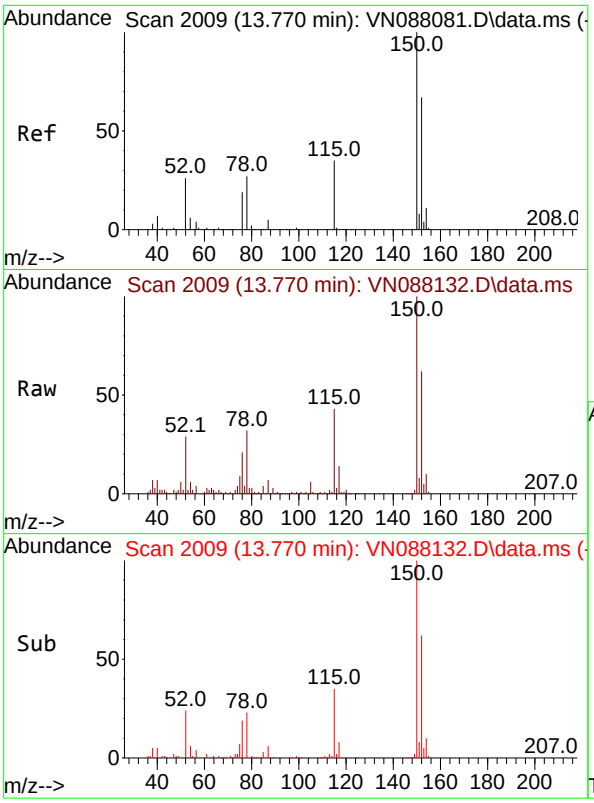


#69
o-Xylene
Concen: 20.177 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:106 Resp: 142636

Ion	Ratio	Lower	Upper
106	100		
91	218.0	111.4	334.2



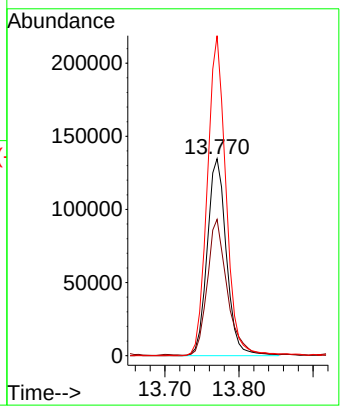


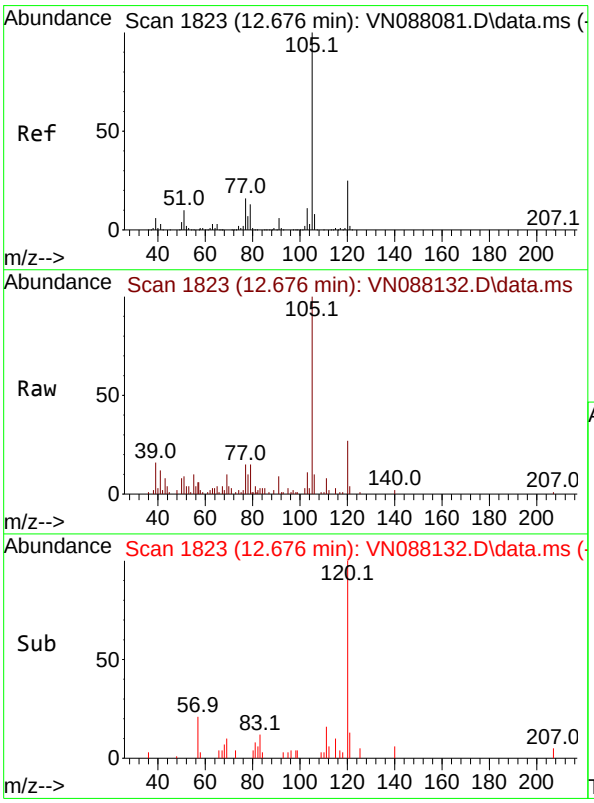
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion:152 Resp: 241900

Ion	Ratio	Lower	Upper
152	100		
115	71.6	32.3	96.8
150	158.4	0.0	351.0

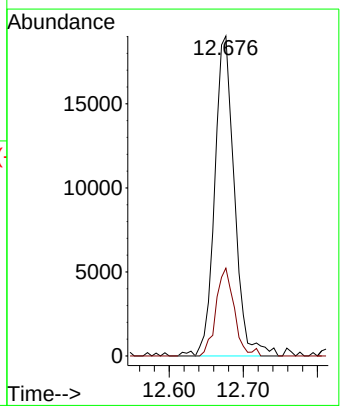


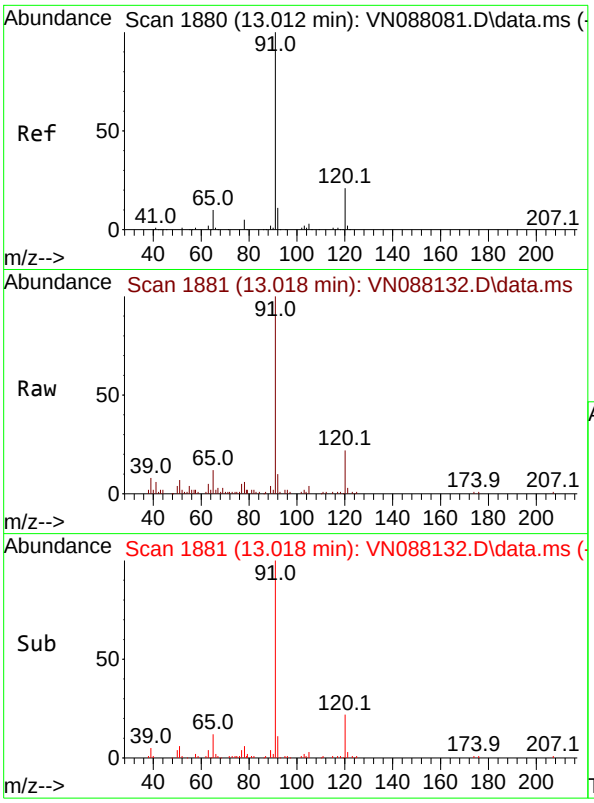


#73
Isopropylbenzene
Concen: 1.891 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:105 Resp: 35288

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.3



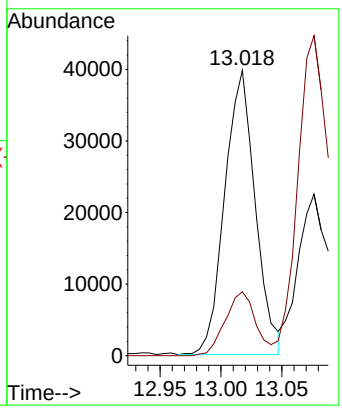


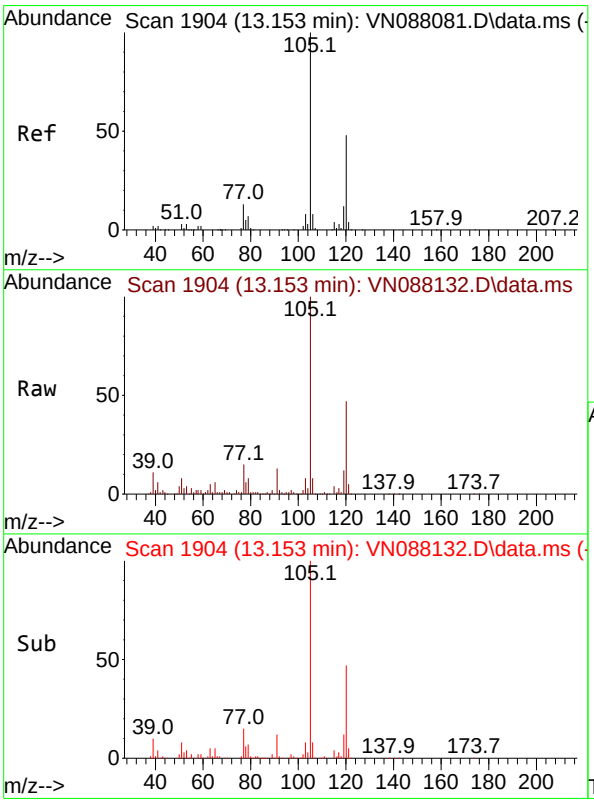
#78
n-propylbenzene
Concen: 3.042 ug/l
RT: 13.018 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion: 91 Resp: 69254

Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.7	32.1

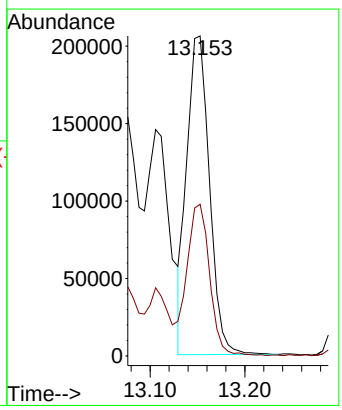


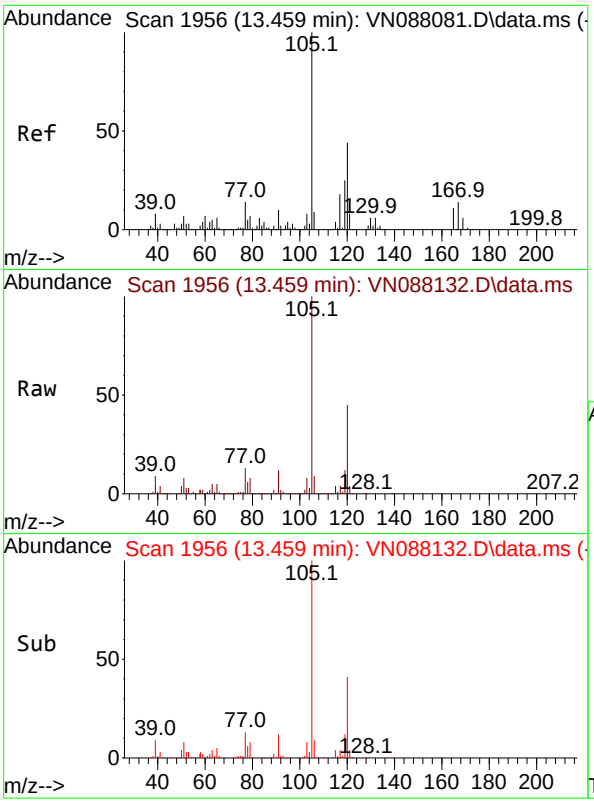


#80
1,3,5-Trimethylbenzene
Concen: 22.096 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:105 Resp: 342380

Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.2	69.6



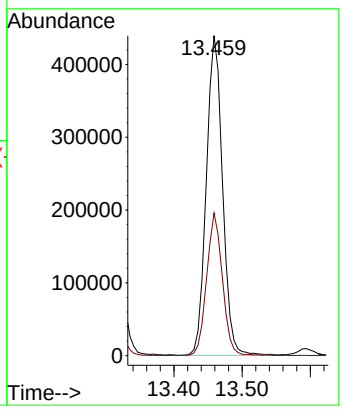


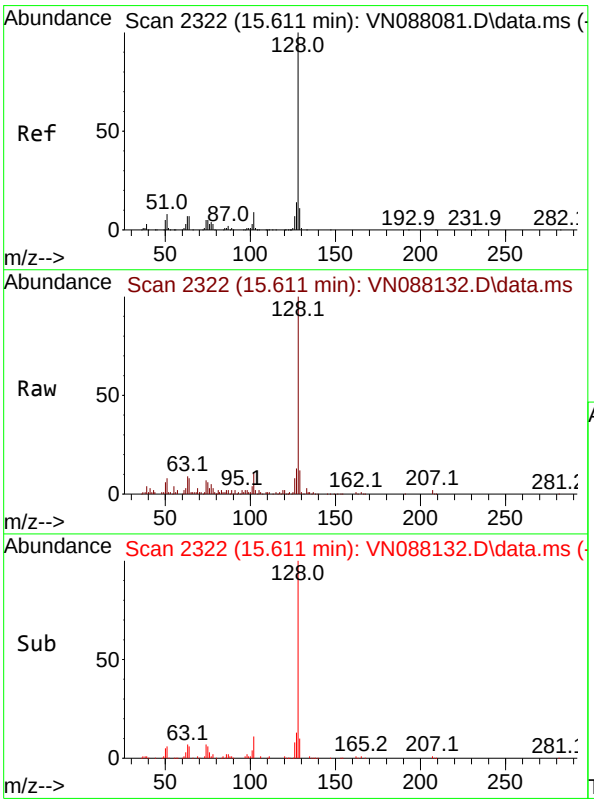
#84
1,2,4-Trimethylbenzene
Concen: 46.979 ug/l
RT: 13.459 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Instrument :
MSVOA_N
ClientSampleId :
TWP2DL

Tgt Ion:105 Resp: 728307

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.0	66.0

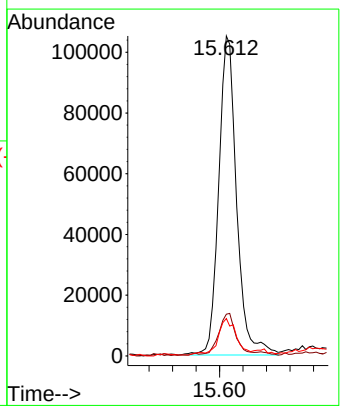




#95
Naphthalene
Concen: 13.829 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088132.D
Acq: 28 Oct 2025 12:35

Tgt Ion:128 Resp: 222124

Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.6	15.8
129	11.8	8.6	12.8



Raw Data: **VN088118.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	10/21/25
Project:	Willow	Date Received:	10/22/25
Client Sample ID:	TWP3	SDG No.:	Q3426
Lab Sample ID:	Q3426-02	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2.20	U	10	2.20	10.0	ug/L	10/27/25 16:37	VN102725
74-87-3	Chloromethane	3.20	U	10	3.20	10.0	ug/L	10/27/25 16:37	VN102725
75-01-4	Vinyl Chloride	2.60	U	10	2.60	10.0	ug/L	10/27/25 16:37	VN102725
74-83-9	Bromomethane	14.4	U	10	14.4	50.0	ug/L	10/27/25 16:37	VN102725
75-00-3	Chloroethane	4.70	U	10	4.70	10.0	ug/L	10/27/25 16:37	VN102725
75-69-4	Trichlorofluoromethane	3.30	U	10	3.30	10.0	ug/L	10/27/25 16:37	VN102725
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	10	2.50	10.0	ug/L	10/27/25 16:37	VN102725
75-65-0	Tert butyl alcohol	55.1	U	10	55.1	250	ug/L	10/27/25 16:37	VN102725
75-35-4	1,1-Dichloroethene	2.30	U	10	2.30	10.0	ug/L	10/27/25 16:37	VN102725
67-64-1	Acetone	49.6	J	10	15.1	50.0	ug/L	10/27/25 16:37	VN102725
75-15-0	Carbon Disulfide	2.10	U	10	2.10	10.0	ug/L	10/27/25 16:37	VN102725
1634-04-4	Methyl tert-butyl Ether	1.60	U	10	1.60	10.0	ug/L	10/27/25 16:37	VN102725
79-20-9	Methyl Acetate	2.70	U	10	2.70	10.0	ug/L	10/27/25 16:37	VN102725
75-09-2	Methylene Chloride	2.80	UQ	10	2.80	10.0	ug/L	10/27/25 16:37	VN102725
156-60-5	trans-1,2-Dichloroethene	2.30	U	10	2.30	10.0	ug/L	10/27/25 16:37	VN102725
75-34-3	1,1-Dichloroethane	2.30	U	10	2.30	10.0	ug/L	10/27/25 16:37	VN102725
110-82-7	Cyclohexane	170		10	14.5	50.0	ug/L	10/27/25 16:37	VN102725
78-93-3	2-Butanone	9.80	U	10	9.80	50.0	ug/L	10/27/25 16:37	VN102725
56-23-5	Carbon Tetrachloride	2.50	U	10	2.50	10.0	ug/L	10/27/25 16:37	VN102725
156-59-2	cis-1,2-Dichloroethene	1.90	U	10	1.90	10.0	ug/L	10/27/25 16:37	VN102725
74-97-5	Bromochloromethane	2.20	UQ	10	2.20	10.0	ug/L	10/27/25 16:37	VN102725
67-66-3	Chloroform	2.50	UQ	10	2.50	10.0	ug/L	10/27/25 16:37	VN102725
71-55-6	1,1,1-Trichloroethane	2.00	UQ	10	2.00	10.0	ug/L	10/27/25 16:37	VN102725
108-87-2	Methylcyclohexane	99.5		10	1.60	10.0	ug/L	10/27/25 16:37	VN102725
71-43-2	Benzene	610		10	1.50	10.0	ug/L	10/27/25 16:37	VN102725
107-06-2	1,2-Dichloroethane	2.20	UQ	10	2.20	10.0	ug/L	10/27/25 16:37	VN102725
79-01-6	Trichloroethene	0.93	U	10	0.93	10.0	ug/L	10/27/25 16:37	VN102725
78-87-5	1,2-Dichloropropane	2.00	UQ	10	2.00	10.0	ug/L	10/27/25 16:37	VN102725
75-27-4	Bromodichloromethane	2.20	UQ	10	2.20	10.0	ug/L	10/27/25 16:37	VN102725
108-10-1	4-Methyl-2-Pentanone	6.80	UQ	10	6.80	50.0	ug/L	10/27/25 16:37	VN102725
108-88-3	Toluene	34.1		10	1.40	10.0	ug/L	10/27/25 16:37	VN102725
10061-02-6	t-1,3-Dichloropropene	1.70	UQ	10	1.70	10.0	ug/L	10/27/25 16:37	VN102725
10061-01-5	cis-1,3-Dichloropropene	1.60	UQ	10	1.60	10.0	ug/L	10/27/25 16:37	VN102725
79-00-5	1,1,2-Trichloroethane	2.10	U	10	2.10	10.0	ug/L	10/27/25 16:37	VN102725
591-78-6	2-Hexanone	8.90	UQ	10	8.90	50.0	ug/L	10/27/25 16:37	VN102725
124-48-1	Dibromochloromethane	1.80	U	10	1.80	10.0	ug/L	10/27/25 16:37	VN102725
106-93-4	1,2-Dibromoethane	1.50	UQ	10	1.50	10.0	ug/L	10/27/25 16:37	VN102725
127-18-4	Tetrachloroethene	2.30	U	10	2.30	10.0	ug/L	10/27/25 16:37	VN102725
108-90-7	Chlorobenzene	1.20	U	10	1.20	10.0	ug/L	10/27/25 16:37	VN102725
100-41-4	Ethyl Benzene	120		10	1.30	10.0	ug/L	10/27/25 16:37	VN102725
179601-23-1	m/p-Xylenes	410		10	2.40	20.0	ug/L	10/27/25 16:37	VN102725
95-47-6	o-Xylene	17.7		10	1.20	10.0	ug/L	10/27/25 16:37	VN102725
100-42-5	Styrene	1.50	U	10	1.50	10.0	ug/L	10/27/25 16:37	VN102725

Raw Data: **VN088118.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	10/21/25
Project:	Willow	Date Received:	10/22/25
Client Sample ID:	TWP3	SDG No.:	Q3426
Lab Sample ID:	Q3426-02	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	1.90	UQ	10	1.90	10.0	ug/L	10/27/25 16:37	VN102725
98-82-8	Isopropylbenzene	29.2		10	1.20	10.0	ug/L	10/27/25 16:37	VN102725
79-34-5	1,1,2,2-Tetrachloroethane	2.60	U	10	2.60	10.0	ug/L	10/27/25 16:37	VN102725
95-63-6	1,2,4-Trimethylbenzene	230		10	1.40	10.0	ug/L	10/27/25 16:37	VN102725
541-73-1	1,3-Dichlorobenzene	1.60	U	10	1.60	10.0	ug/L	10/27/25 16:37	VN102725
106-46-7	1,4-Dichlorobenzene	1.90	U	10	1.90	10.0	ug/L	10/27/25 16:37	VN102725
95-50-1	1,2-Dichlorobenzene	1.60	U	10	1.60	10.0	ug/L	10/27/25 16:37	VN102725
96-12-8	1,2-Dibromo-3-Chloropropane	5.30	UQ	10	5.30	10.0	ug/L	10/27/25 16:37	VN102725
120-82-1	1,2,4-Trichlorobenzene	2.00	U	10	2.00	10.0	ug/L	10/27/25 16:37	VN102725
87-61-6	1,2,3-Trichlorobenzene	2.00	U	10	2.00	10.0	ug/L	10/27/25 16:37	VN102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.2			74 - 125	108%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.6			75 - 124	93%	SPK: 50		
2037-26-5	Toluene-d8	44.4			86 - 113	89%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.9			77 - 121	98%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	224000							
540-36-3	1,4-Difluorobenzene	501000							
3114-55-4	Chlorobenzene-d5	474000							
3855-82-1	1,4-Dichlorobenzene-d4	239000							
TENTATIVE IDENTIFIED COMPOUNDS									
002402-06-4	Cyclopropane, 1,2-dimethyl-, trans	50.9	J			4.15	ug/L		
001120-62-3	Cyclopentene, 3-methyl-	67.7	J			7.99	ug/L		
103-65-1	n-propylbenzene	62.9	J			13.0	ug/L		
108-67-8	1,3,5-Trimethylbenzene	130	J			13.1	ug/L		
000611-14-3	Benzene, 1-ethyl-2-methyl-	120	J			13.3	ug/L		
135-98-8	sec-Butylbenzene	7.50	J			13.6	ug/L		
99-87-6	p-Isopropyltoluene	6.40	J			13.7	ug/L		
000496-11-7	Indane	310	J			14.0	ug/L		
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	52.1	J			14.3	ug/L		
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	74.8	J			14.9	ug/L		
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	180	J			15.0	ug/L		
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	84.8	J			15.2	ug/L		
91-20-3	Naphthalene	170	J			15.6	ug/L		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Quant Time: Oct 28 01:29:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

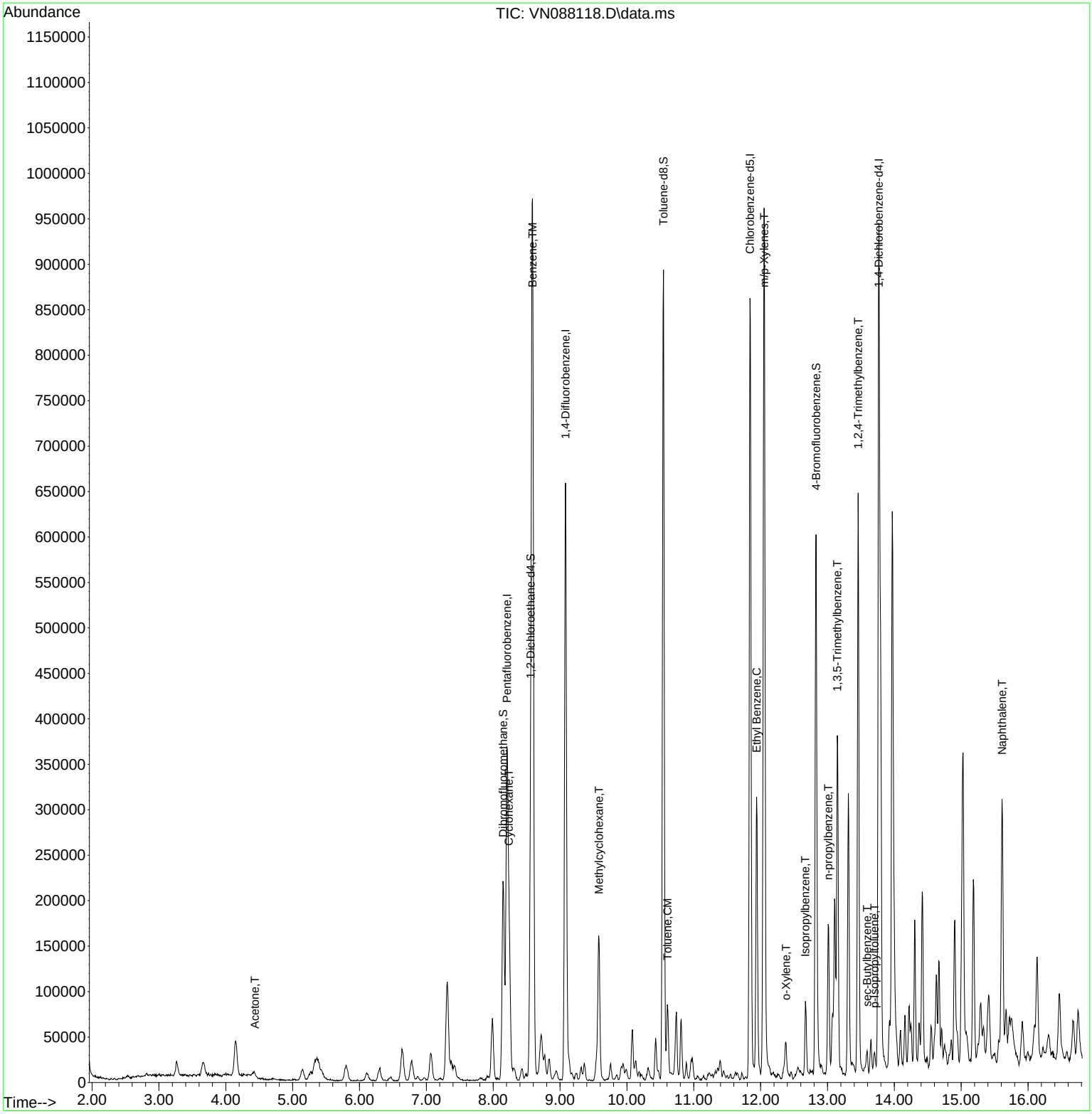
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	224334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	500872	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	474497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	239267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	210281	54.207	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.420%			
35) Dibromofluoromethane	8.147	113	156831	46.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.220%			
50) Toluene-d8	10.547	98	575060	44.353	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.700%			
62) 4-Bromofluorobenzene	12.829	95	223758	48.867	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.740%			
Target Compounds						Qvalue
16) Acetone	4.436	43	9660	4.957	ug/l	98
31) Cyclohexane	8.236	56	89978	16.570	ug/l	98
39) Methylcyclohexane	9.582	83	62812	9.946	ug/l	91
40) Benzene	8.588	78	912139	60.961	ug/l	98
52) Toluene	10.606	92	31494	3.414	ug/l	95
67) Ethyl Benzene	11.941	91	223201	11.802	ug/l	98
68) m/p-Xylenes	12.053	106	287334	40.549	ug/l	100
69) o-Xylene	12.382	106	11867	1.767	ug/l	87
73) Isopropylbenzene	12.671	105	53797	2.915	ug/l	99
78) n-propylbenzene	13.012	91	141707	6.292	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	195431	12.751	ug/l	94
84) 1,2,4-Trimethylbenzene	13.459	105	353818	23.074	ug/l	99
85) sec-Butylbenzene	13.594	105	14978	0.745	ug/l #	79
86) p-Isopropyltoluene	13.706	119	10319	0.639	ug/l	90
95) Naphthalene	15.611	128	268146	16.878	ug/l	99

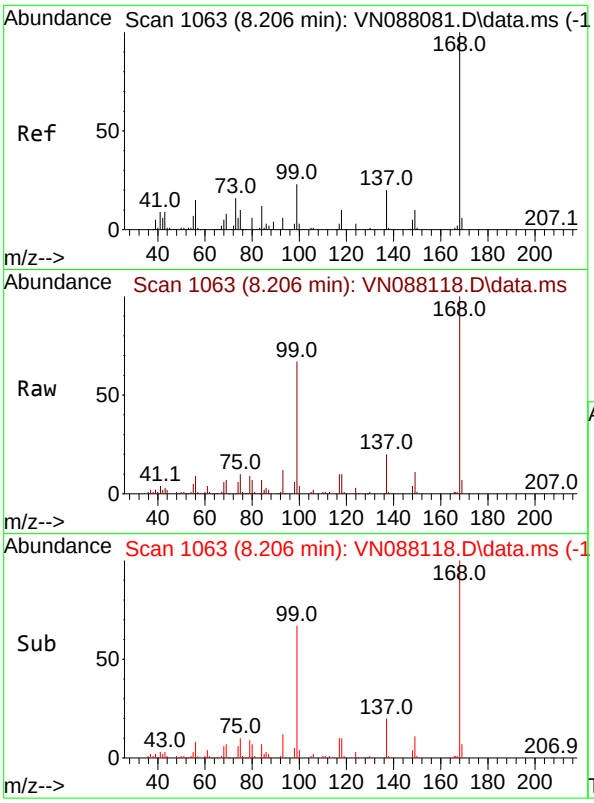
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Quant Time: Oct 28 01:29:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration



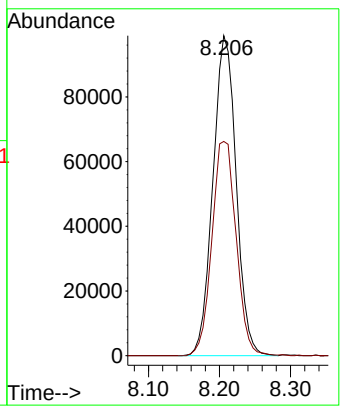


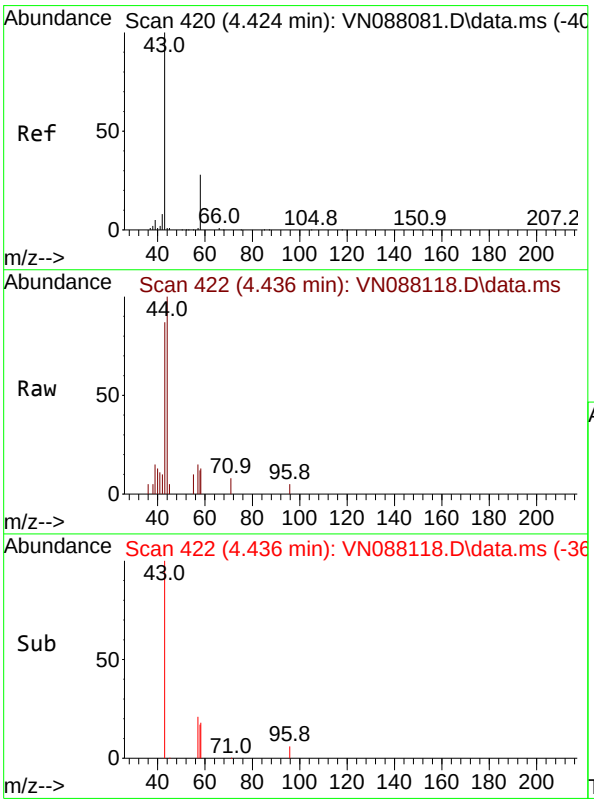
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion:168 Resp: 224334

Ion	Ratio	Lower	Upper
168	100		
99	67.0	57.2	85.8

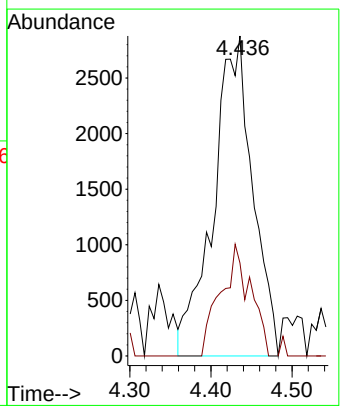


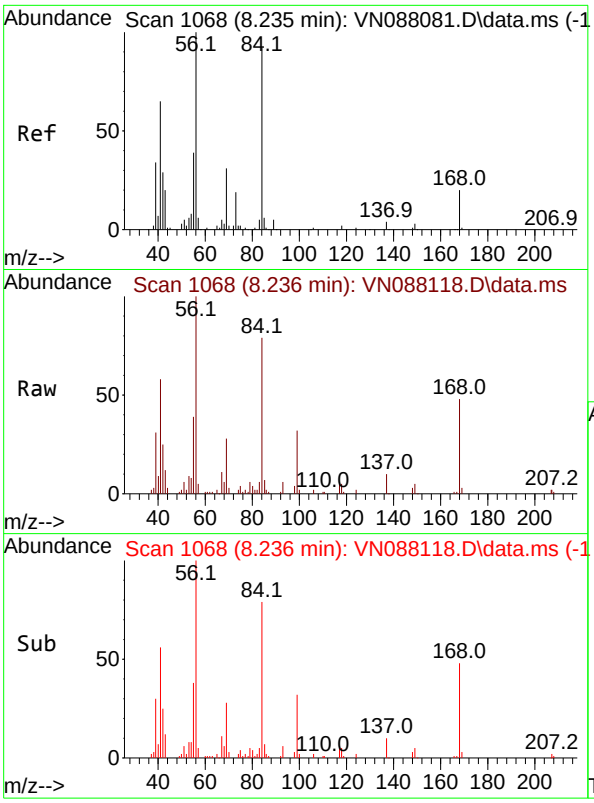


#16
Acetone
Concen: 4.957 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion: 43 Resp: 9660

Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.6	33.8



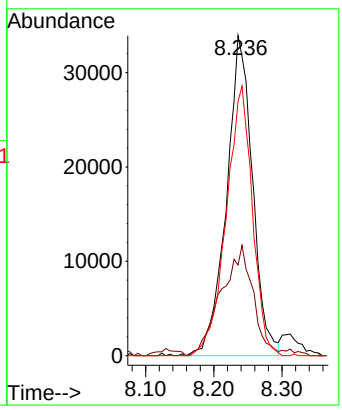


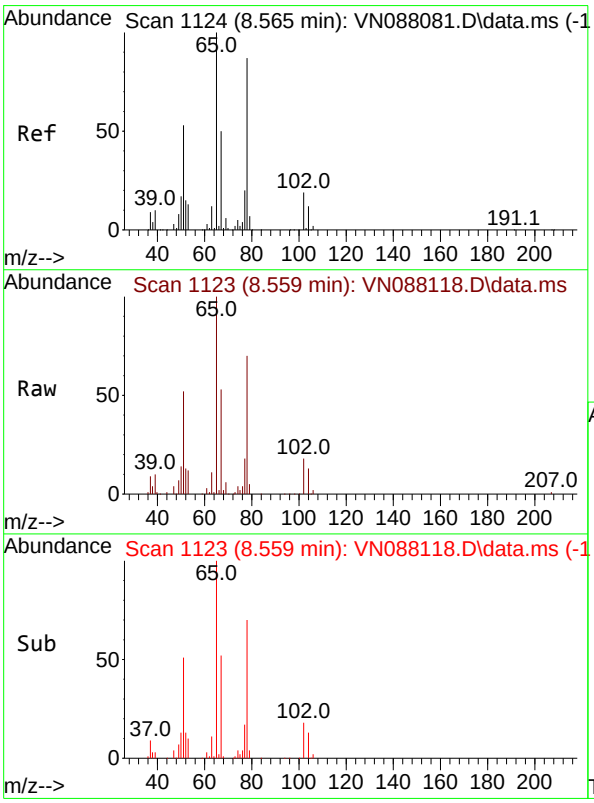
#31
Cyclohexane
Concen: 16.570 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion: 56 Resp: 89978

Ion	Ratio	Lower	Upper
56	100		
69	27.1	23.7	35.5
84	79.5	64.7	97.1

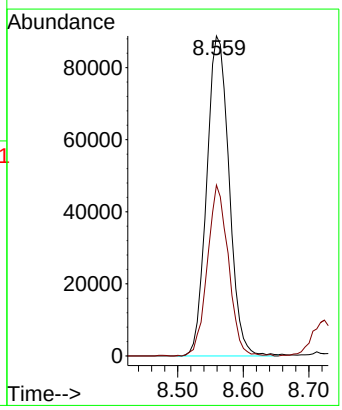


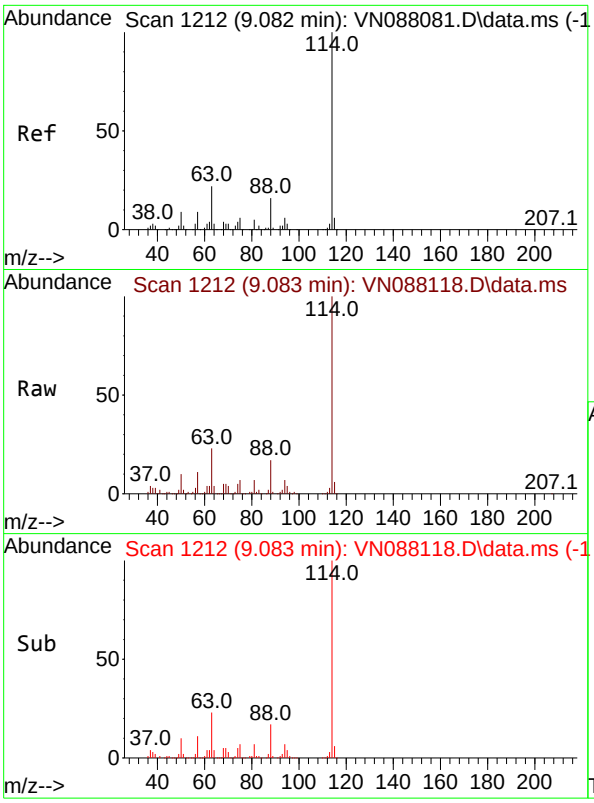


#33
1,2-Dichloroethane-d4
Concen: 54.207 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion: 65 Resp: 210281

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	100.0



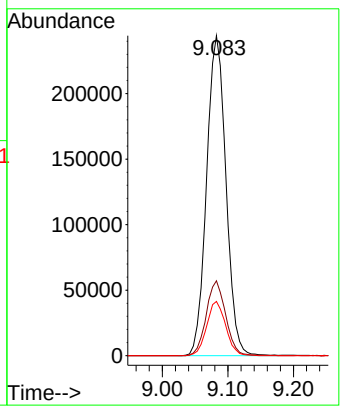


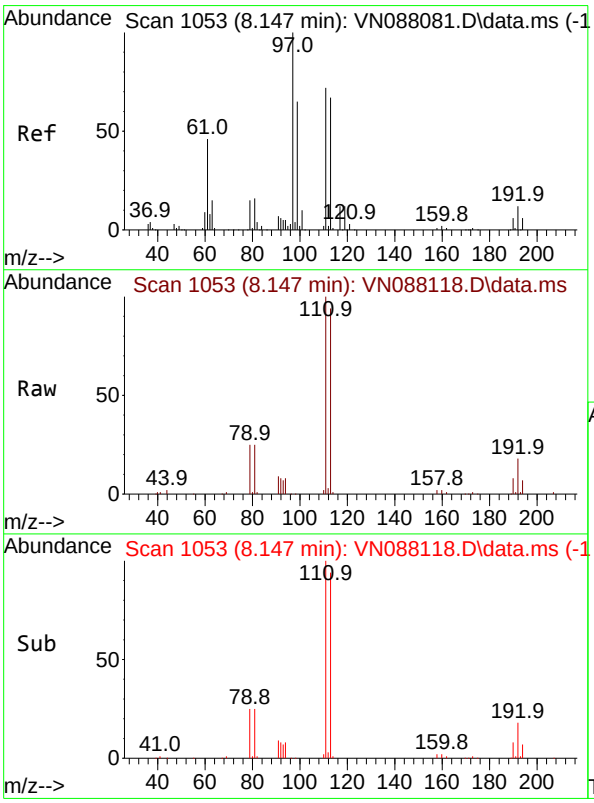
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion:114 Resp: 500872

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	45.2
88	17.0	0.0	33.4

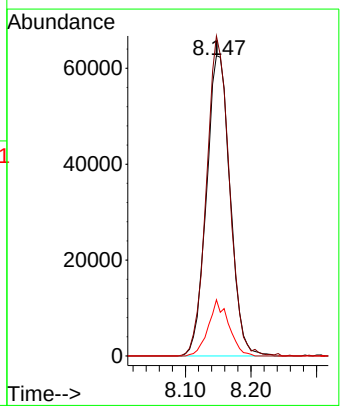


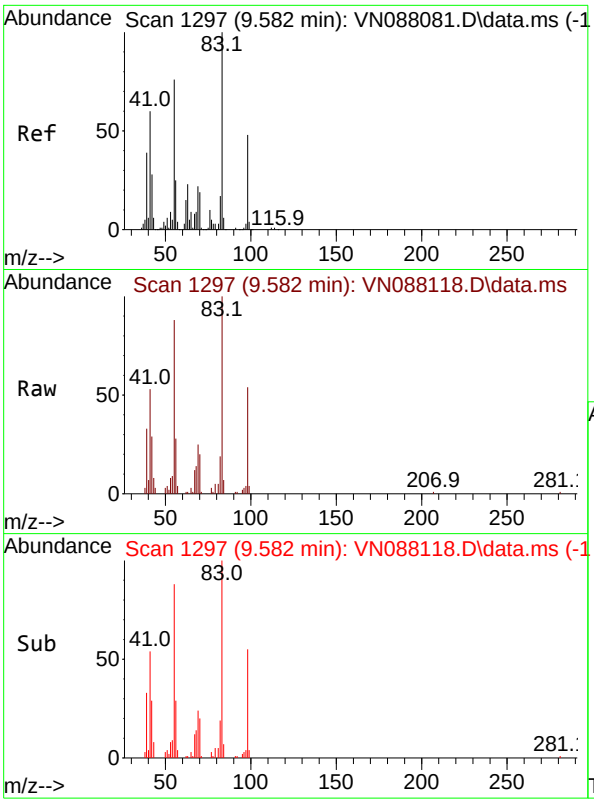


#35
Dibromofluoromethane
Concen: 46.608 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion:113 Resp: 156831

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	16.2	12.8	19.2



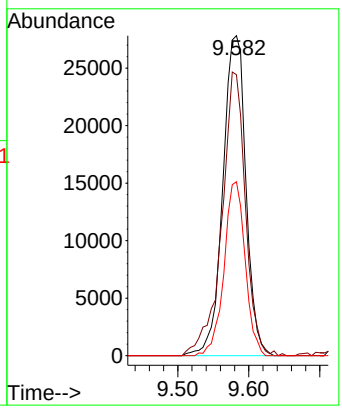


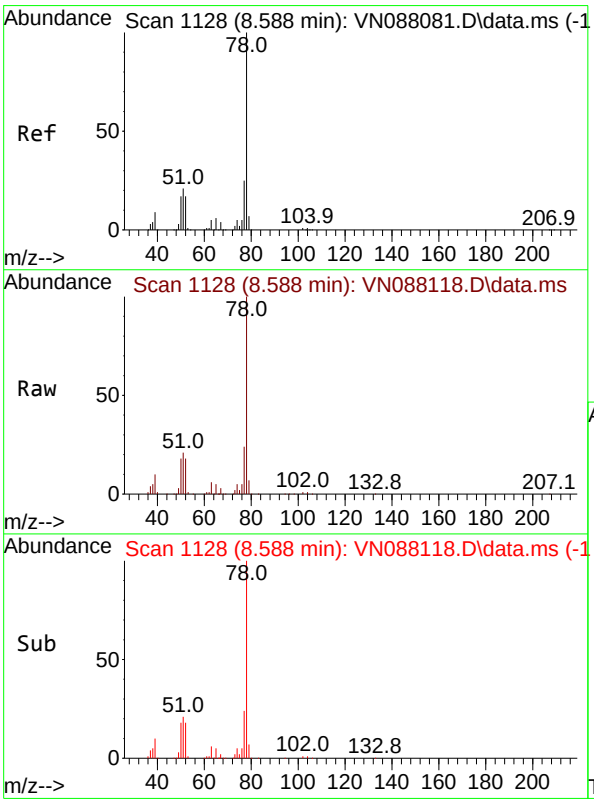
#39
Methylcyclohexane
Concen: 9.946 ug/l
RT: 9.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion: 83 Resp: 62812

Ion	Ratio	Lower	Upper
83	100		
55	87.8	64.6	96.8
98	54.3	38.4	57.6

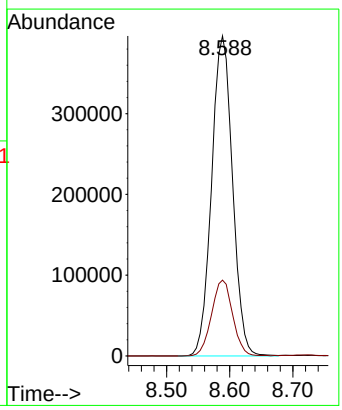


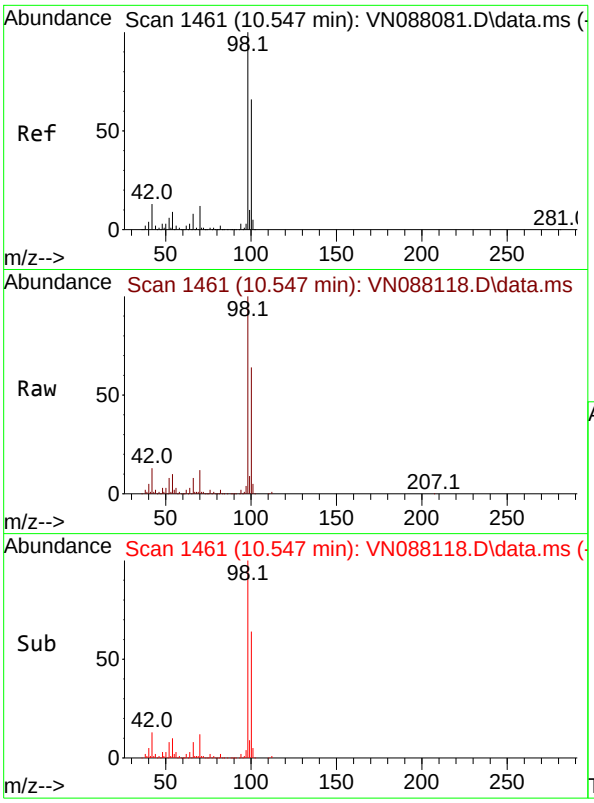


#40
Benzene
Concen: 60.961 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion: 78 Resp: 912139

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.7	29.5



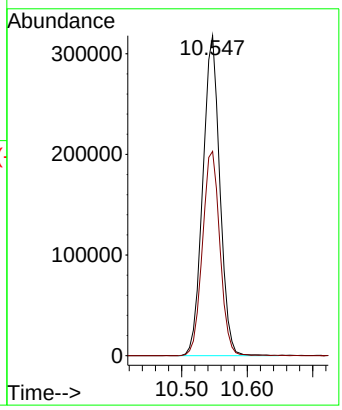


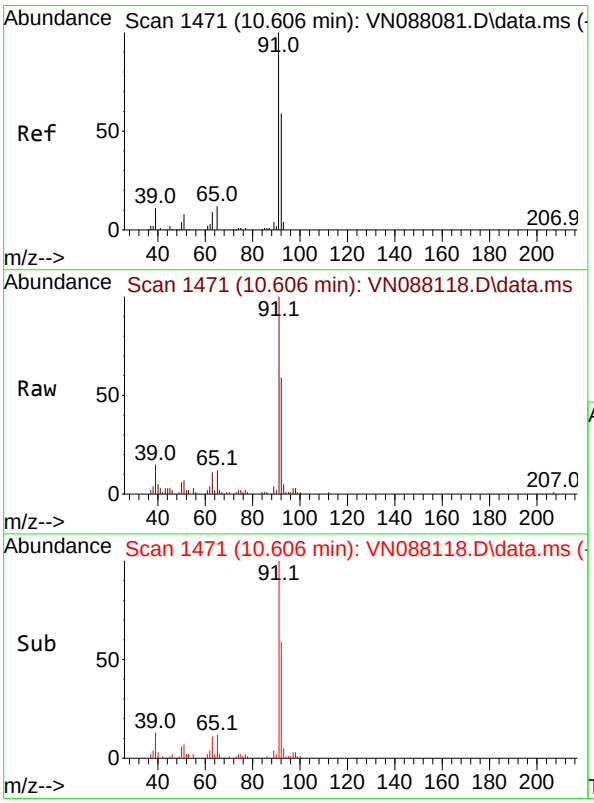
#50
Toluene-d8
Concen: 44.353 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion: 98 Resp: 575060

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.8	79.2

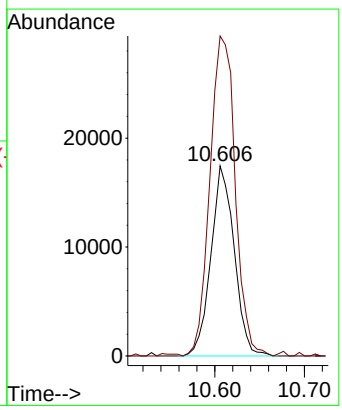


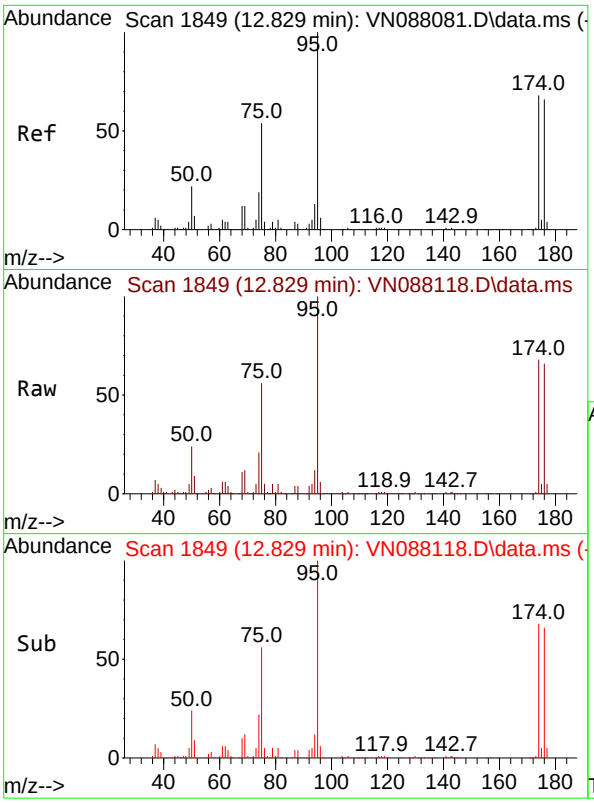


#52
Toluene
Concen: 3.414 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion: 92 Resp: 31494

Ion	Ratio	Lower	Upper
92	100		
91	182.6	140.4	210.6



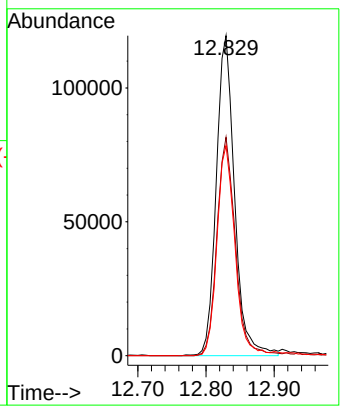


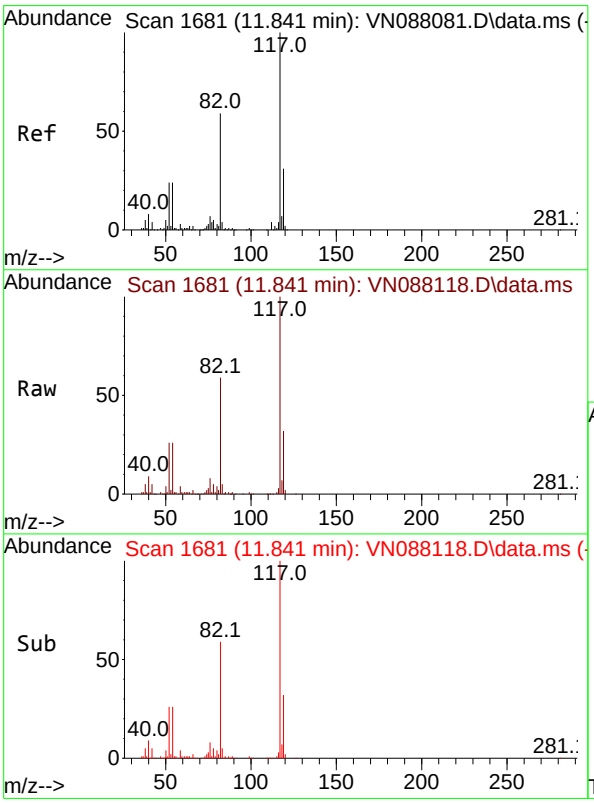
#62
4-Bromofluorobenzene
Concen: 48.867 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion: 95 Resp: 223758

Ion	Ratio	Lower	Upper
95	100		
174	68.5	0.0	138.4
176	64.3	0.0	132.6

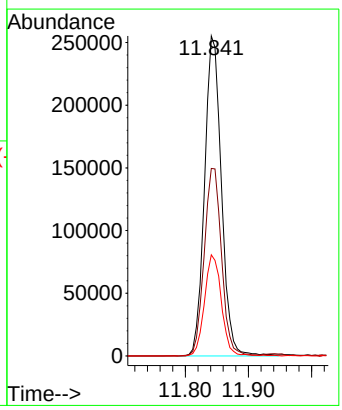


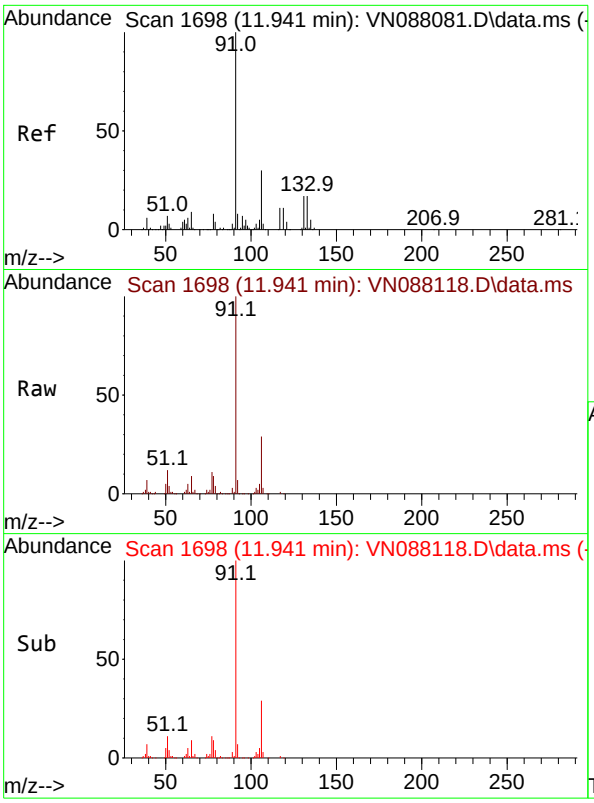


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion:117 Resp: 474497

Ion	Ratio	Lower	Upper
117	100		
82	58.6	47.4	71.2
119	31.6	24.3	36.5



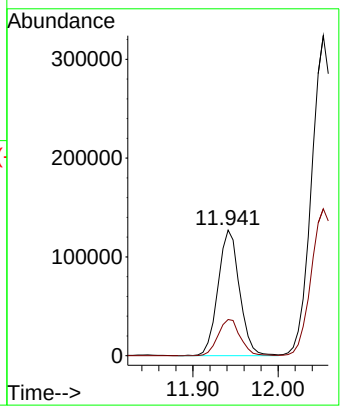


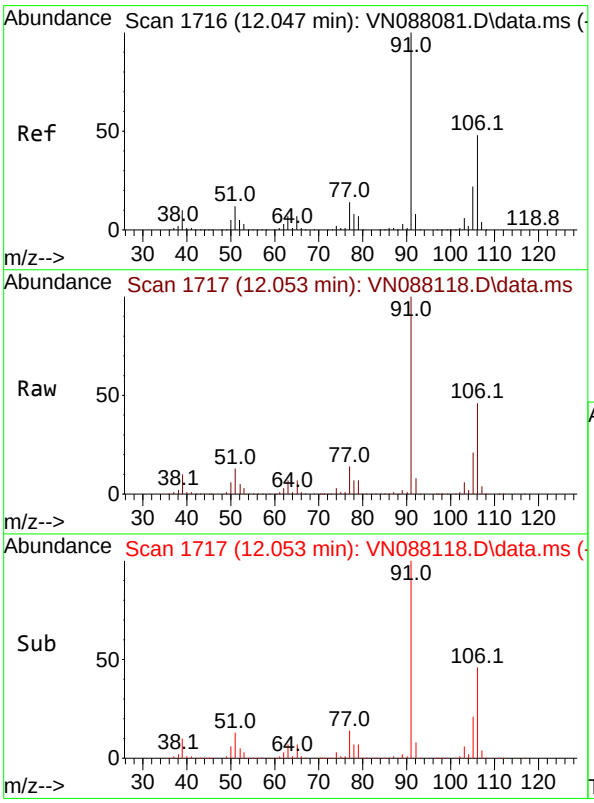
#67
Ethyl Benzene
Concen: 11.802 ug/l
RT: 11.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion: 91 Resp: 223201

Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.1	36.1

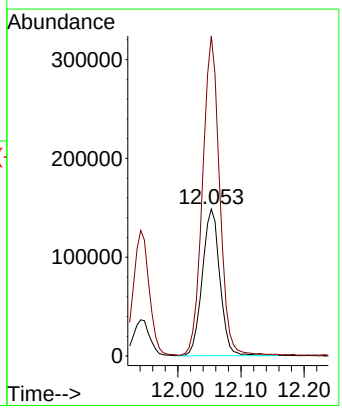


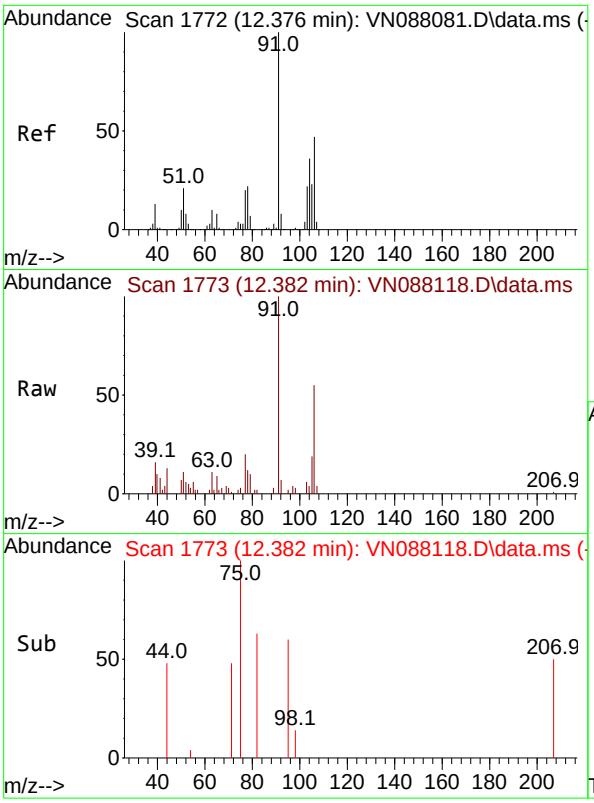


#68
m/p-Xylenes
Concen: 40.549 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion:106 Resp: 287334

Ion	Ratio	Lower	Upper
106	100		
91	211.5	169.3	253.9



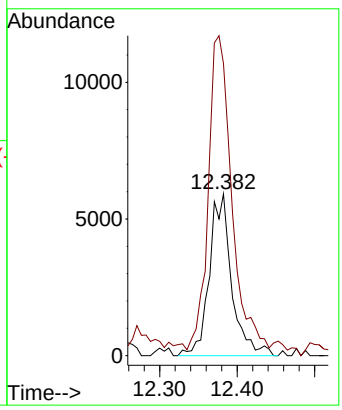


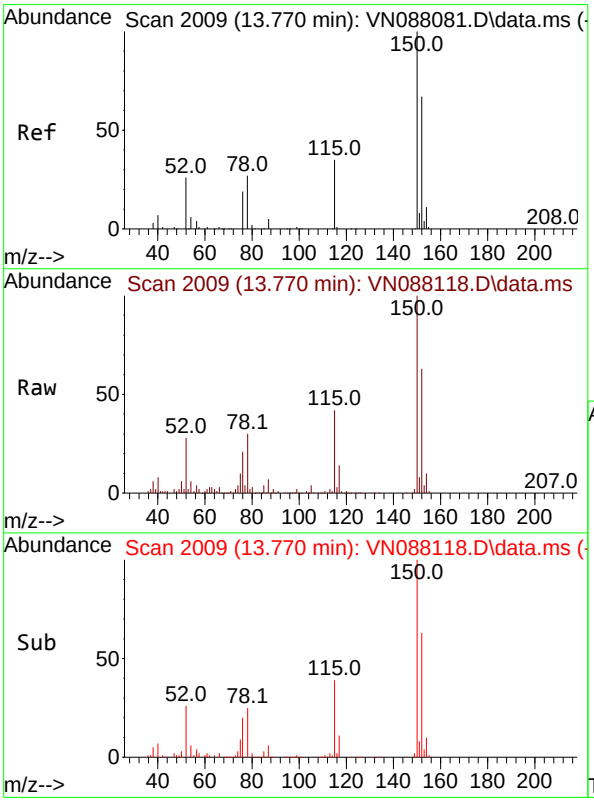
#69
o-Xylene
Concen: 1.767 ug/l
RT: 12.382 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion:106 Resp: 11867

Ion	Ratio	Lower	Upper
106	100		
91	202.1	111.4	334.2

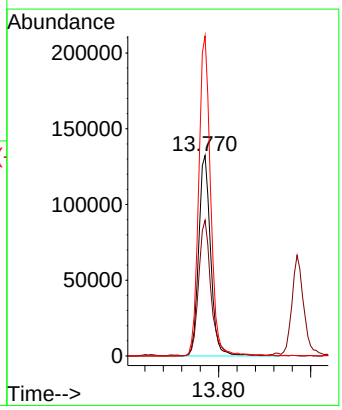


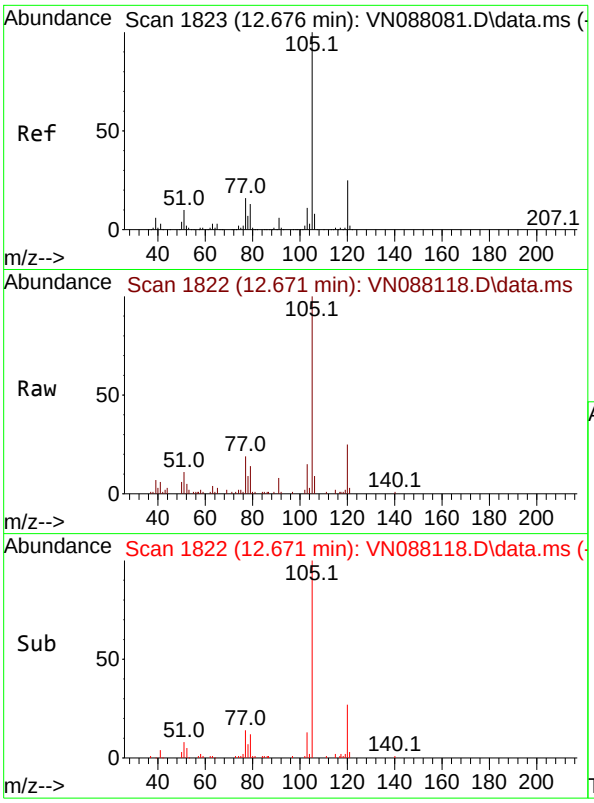


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion:152 Resp: 239267

Ion	Ratio	Lower	Upper
152	100		
115	69.7	32.3	96.8
150	158.1	0.0	351.0



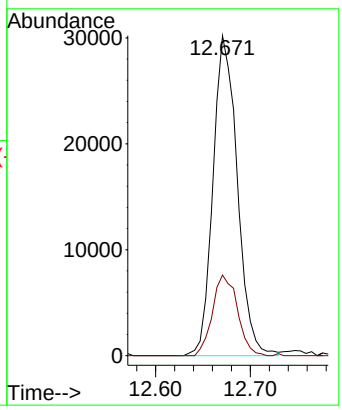


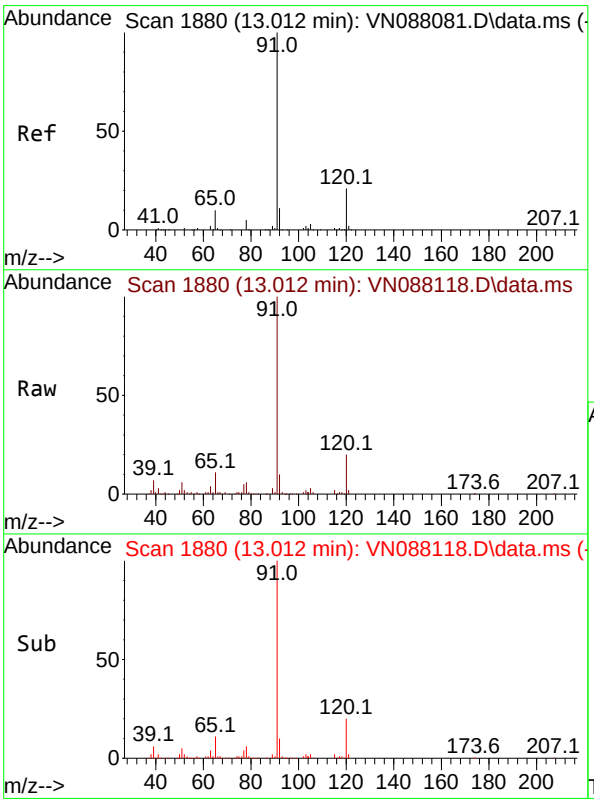
#73
Isopropylbenzene
Concen: 2.915 ug/l
RT: 12.671 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion:105 Resp: 53797

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.3

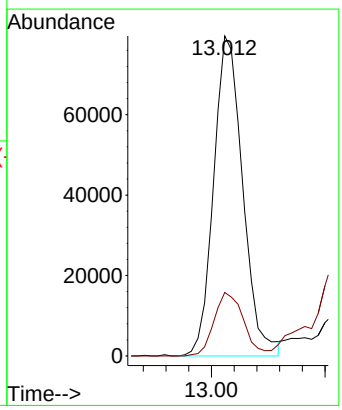


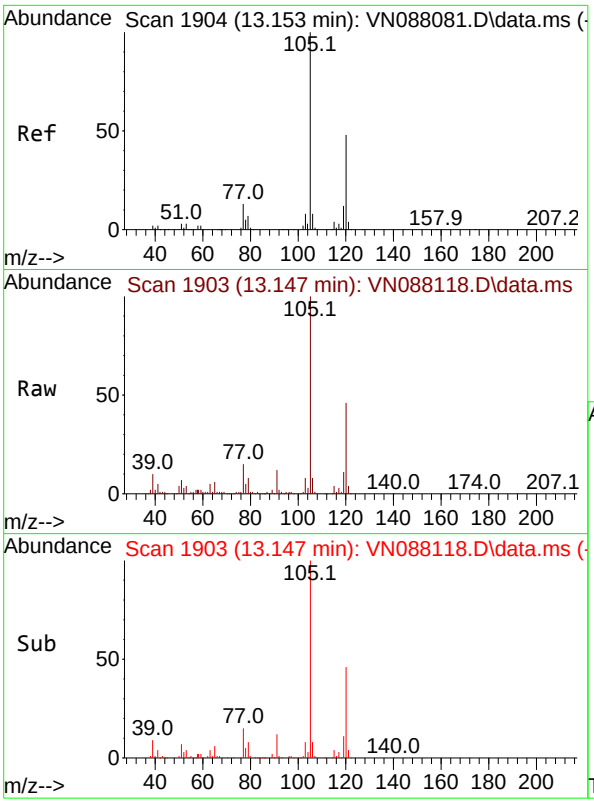


#78
n-propylbenzene
Concen: 6.292 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion: 91 Resp: 141707

Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.7	32.1



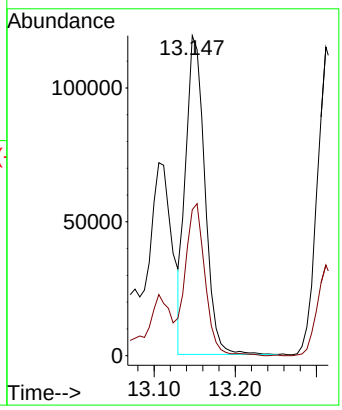


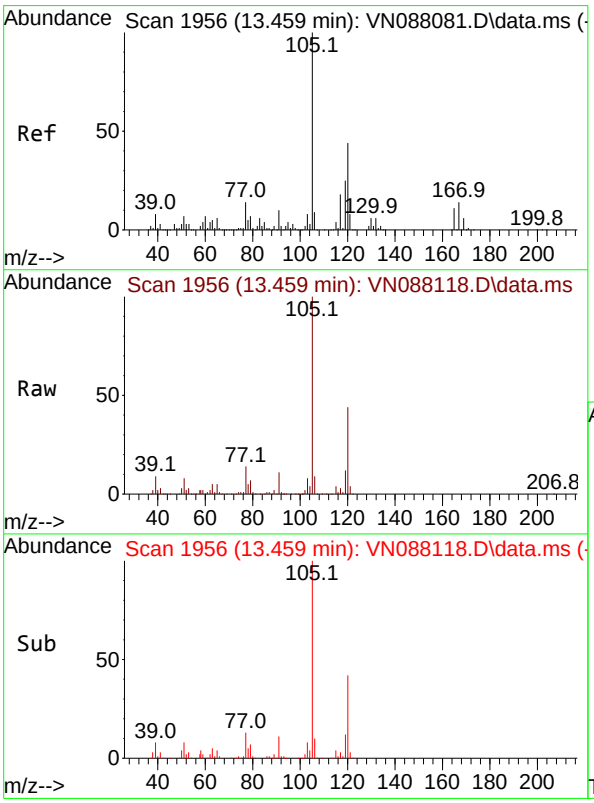
#80
1,3,5-Trimethylbenzene
Concen: 12.751 ug/l
RT: 13.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion:105 Resp: 195431

Ion	Ratio	Lower	Upper
105	100		
120	50.4	23.2	69.6

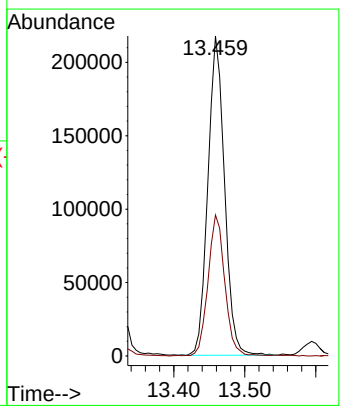


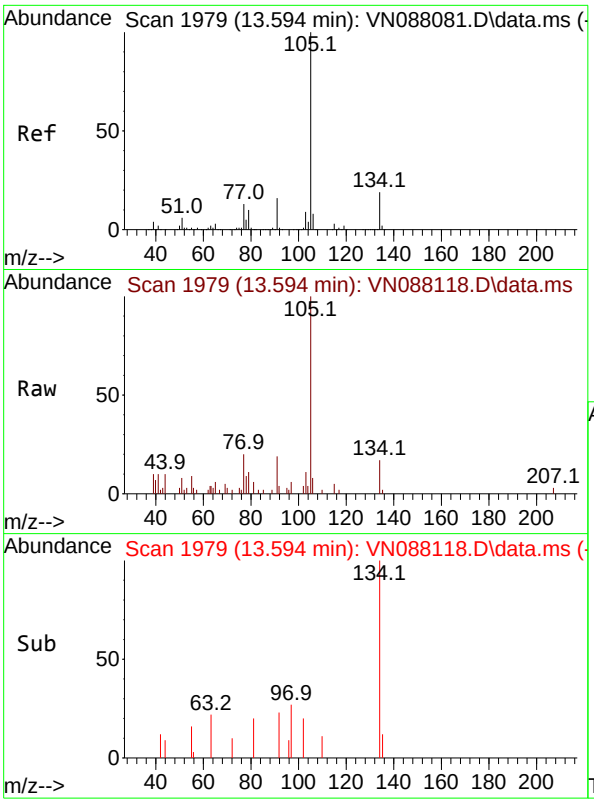


#84
1,2,4-Trimethylbenzene
Concen: 23.074 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion:105 Resp: 353818

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.0	66.0



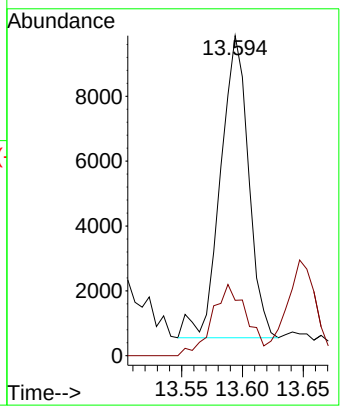


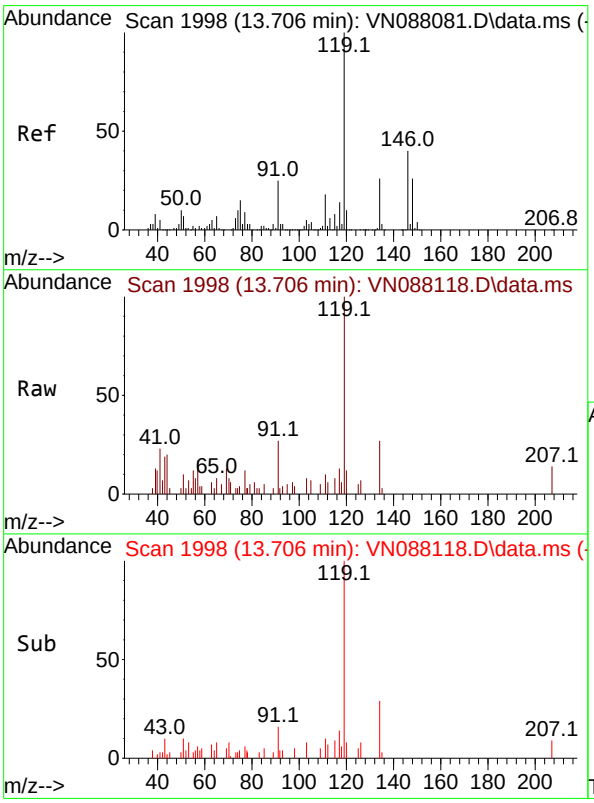
#85
sec-Butylbenzene
Concen: 0.745 ug/l
RT: 13.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion:105 Resp: 14978

Ion	Ratio	Lower	Upper
105	100		
134	28.8	9.6	28.6#

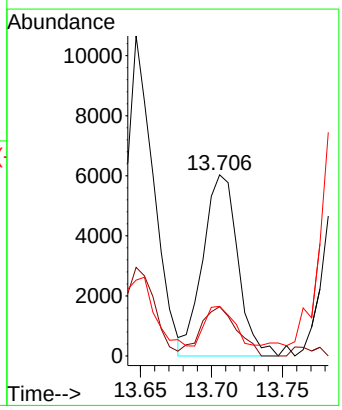


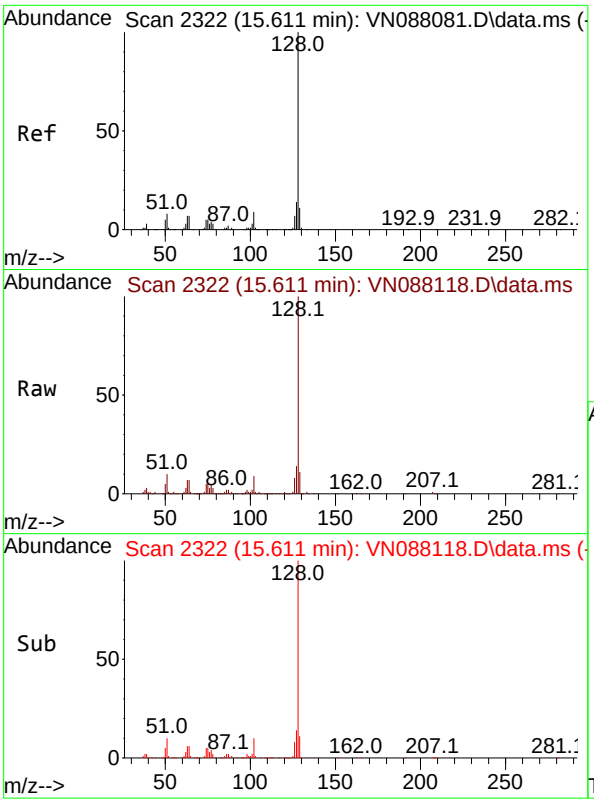


#86
p-Isopropyltoluene
Concen: 0.639 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Tgt Ion:119 Resp: 10319

Ion	Ratio	Lower	Upper
119	100		
134	28.3	12.7	38.0
91	17.6	12.5	37.5



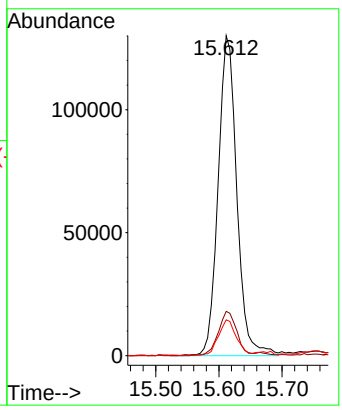


#95
Naphthalene
Concen: 16.878 ug/l
RT: 15.611 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN088118.D
Acq: 27 Oct 2025 16:37

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Tgt Ion:128 Resp: 268146

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.0	8.6	12.8



Sample Results: **VN088118.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

Signal : TIC: VN088118.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.265	215	223	232	rBV4	16091	41186	1.56%	0.152%
2	3.659	282	290	291	rBV4	14594	28655	1.09%	0.106%
3	4.148	362	373	384	rBV3	38001	119158	4.52%	0.441%
4	5.147	532	543	551	rBV7	11828	38042	1.44%	0.141%
5	5.353	568	578	579	rBV6	16123	43526	1.65%	0.161%
6	5.800	642	654	666	rVB4	17262	60515	2.29%	0.224%
7	6.106	693	706	717	rBV7	8893	29178	1.11%	0.108%
8	6.306	729	740	750	rBV3	14228	42052	1.59%	0.156%
9	6.636	785	796	809	rBV4	35010	108844	4.13%	0.403%
10	6.783	809	821	830	rBV6	21683	65403	2.48%	0.242%
11	7.065	860	869	880	rBV4	29542	84325	3.20%	0.312%
12	7.312	900	911	920	rBV	108022	321713	12.20%	1.191%
13	7.418	926	929	942	rVB	14037	33843	1.28%	0.125%
14	7.988	1018	1026	1036	rVB2	66814	158650	6.01%	0.587%
15	8.147	1043	1053	1058	rBV	218355	539359	20.45%	1.997%
16	8.206	1058	1063	1078	rVV2	365520	1171117	44.40%	4.335%
17	8.306	1078	1080	1090	rVB6	13353	31602	1.20%	0.117%
18	8.430	1094	1101	1106	rBV5	12608	31229	1.18%	0.116%
19	8.588	1115	1128	1140	rBV2	964871	2637932	100.00%	9.766%
20	8.718	1140	1150	1156	rBV5	43532	126626	4.80%	0.469%
21	8.841	1165	1171	1179	rVB4	21872	50105	1.90%	0.185%
22	8.941	1179	1188	1198	rVB4	10303	31253	1.18%	0.116%
23	9.083	1203	1212	1225	rBV	656855	1408229	53.38%	5.213%
24	9.365	1255	1260	1270	rVB2	19334	41478	1.57%	0.154%
25	9.577	1280	1296	1312	rBV	159908	396542	15.03%	1.468%
26	9.759	1320	1327	1334	rBV5	17497	31482	1.19%	0.117%
27	9.924	1348	1355	1356	rBV3	14442	27090	1.03%	0.100%
28	10.082	1375	1382	1386	rBV2	54134	101204	3.84%	0.375%
29	10.130	1387	1390	1396	rVB4	16990	29788	1.13%	0.110%
30	10.318	1414	1422	1429	rBV7	13734	35763	1.36%	0.132%
31	10.429	1435	1441	1447	rBV2	45107	87397	3.31%	0.324%
32	10.547	1453	1461	1467	rBV	889774	1643329	62.30%	6.084%
33	10.606	1467	1471	1477	rVB	75752	144719	5.49%	0.536%
34	10.741	1485	1494	1499	rVB3	69000	130364	4.94%	0.483%
35	10.812	1500	1506	1513	rVB2	65189	118902	4.51%	0.440%
36	10.965	1525	1532	1533	rBV5	20710	32615	1.24%	0.121%

Sample Results: **VN088118.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

37	11.394	1601	1605	1610	rVB4	17625	31881	1.21%	0.118%
38	11.841	1674	1681	1692	rBV	858052	1612824	61.14%	5.971%
39	11.941	1692	1698	1708	rVB	304738	548449	20.79%	2.030%
40	12.053	1708	1717	1729	rBV	952298	1841107	69.79%	6.816%
41	12.376	1762	1772	1782	rBV3	39866	106597	4.04%	0.395%
42	12.559	1790	1803	1808	rBV8	13358	44028	1.67%	0.163%
43	12.671	1816	1822	1832	rBV	81517	144703	5.49%	0.536%
44	12.829	1842	1849	1860	rBV	593561	1099065	41.66%	4.069%
45	13.012	1873	1880	1886	rBV	165016	296072	11.22%	1.096%
46	13.076	1886	1891	1892	rVV	62914	91831	3.48%	0.340%
47	13.106	1892	1896	1900	rVV	187882	359460	13.63%	1.331%
48	13.147	1900	1903	1910	rVB	365226	593273	22.49%	2.196%
49	13.312	1923	1931	1939	rBV	310136	549770	20.84%	2.035%
50	13.459	1949	1956	1970	rBV	636895	1039860	39.42%	3.850%
51	13.594	1970	1979	1983	rVB4	23666	48589	1.84%	0.180%
52	13.653	1983	1989	1993	rBV3	36363	60926	2.31%	0.226%
53	13.706	1993	1998	2002	rBV4	17879	30942	1.17%	0.115%
54	13.770	2002	2009	2024	rBV2	927077	2244380	85.08%	8.309%
55	13.929	2031	2036	2037	rBV2	50430	68493	2.60%	0.254%
56	13.970	2037	2043	2058	rVB2	609445	1376953	52.20%	5.097%
57	14.094	2058	2064	2070	rBV7	39051	65633	2.49%	0.243%
58	14.159	2070	2075	2080	rBV	54393	87969	3.33%	0.326%
59	14.223	2080	2086	2088	rBV	61185	97679	3.70%	0.362%
60	14.306	2095	2100	2107	rBV	155299	233873	8.87%	0.866%
61	14.370	2107	2111	2114	rVV3	42414	65160	2.47%	0.241%
62	14.417	2114	2119	2127	rVB2	186887	330781	12.54%	1.225%
63	14.547	2136	2141	2146	rBV4	43994	79789	3.02%	0.295%
64	14.629	2146	2155	2158	rVV	99351	210971	8.00%	0.781%
65	14.665	2158	2161	2166	rVV	114334	191241	7.25%	0.708%
66	14.706	2166	2168	2172	rVV4	39670	56276	2.13%	0.208%
67	14.753	2172	2176	2183	rVB5	21437	48519	1.84%	0.180%
68	14.853	2190	2193	2196	rVB4	22328	27841	1.06%	0.103%
69	14.906	2196	2202	2213	rVB2	156301	335575	12.72%	1.242%
70	15.029	2213	2223	2230	rBV2	340157	804965	30.52%	2.980%
71	15.182	2243	2249	2256	rBV	200447	380766	14.43%	1.410%
72	15.294	2262	2268	2272	rBV3	45192	86604	3.28%	0.321%
73	15.412	2280	2288	2296	rVB3	69457	186266	7.06%	0.690%
74	15.612	2316	2322	2328	rVV	275030	523955	19.86%	1.940%
75	15.670	2328	2332	2336	rVB2	36718	56694	2.15%	0.210%
76	15.723	2336	2341	2343	rBV3	28715	48919	1.85%	0.181%

Sample Results: **VN088118.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

77	15.917	2365	2374	2380	rBV2	48318	123821	4.69%	0.458%
78	16.100	2398	2405	2406	rBV2	33099	58001	2.20%	0.215%
79	16.135	2406	2411	2421	rVB2	110351	235938	8.94%	0.873%
80	16.306	2436	2440	2446	rVB4	22222	50661	1.92%	0.188%
81	16.470	2459	2468	2481	rBV4	71931	193798	7.35%	0.717%
82	16.670	2495	2502	2509	rBV5	42268	107108	4.06%	0.397%
83	16.747	2509	2515	2522	rVV3	47926	111434	4.22%	0.413%

Sum of corrected areas: 27012655

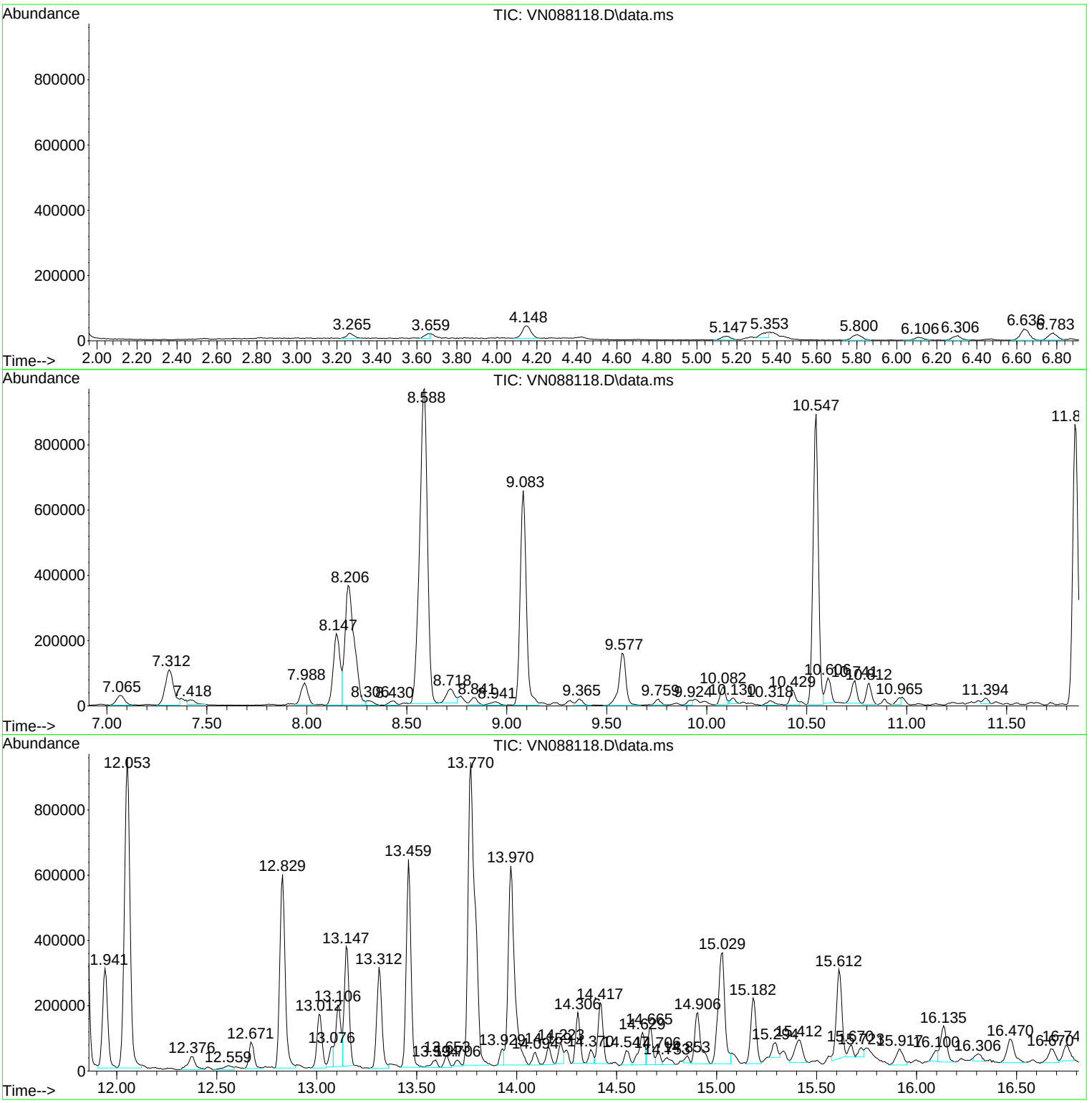
Sample Results: **VN088118.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

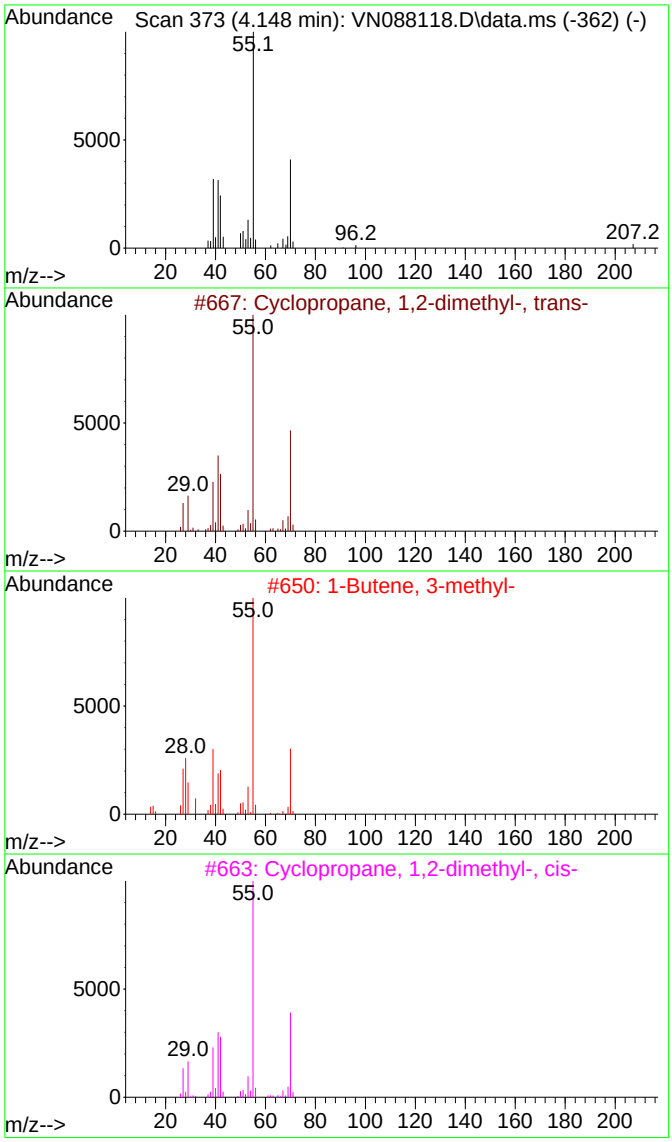
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

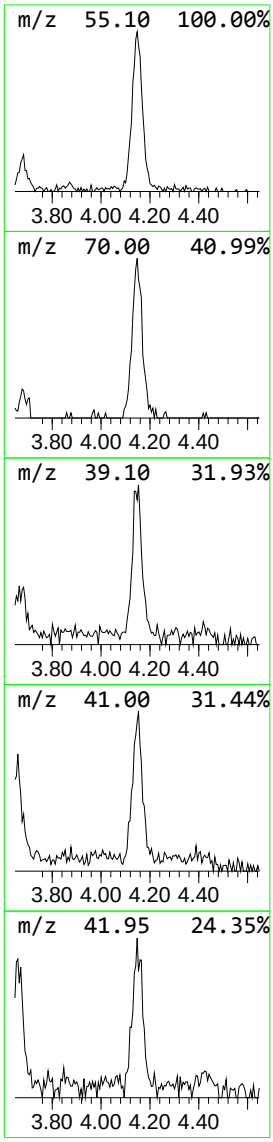
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclopropane, 1,2-dimethyl-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.148	5.09 ug/l	119158	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
2	1-Butene, 3-methyl-	70	C5H10	000563-45-1	86
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	86
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	80
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

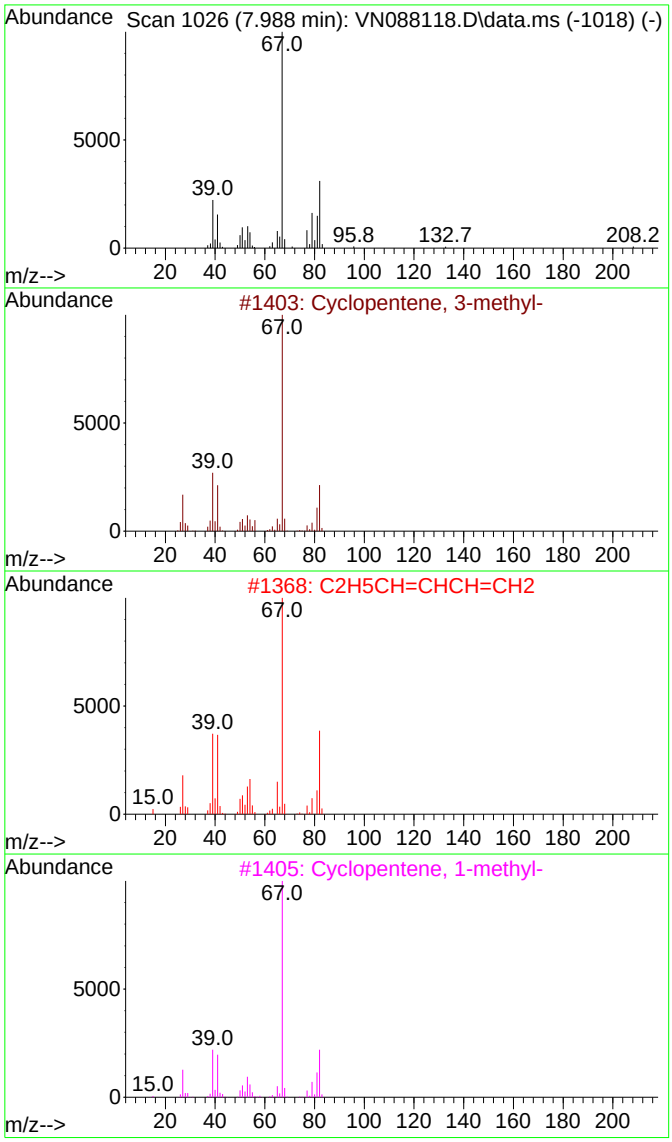
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

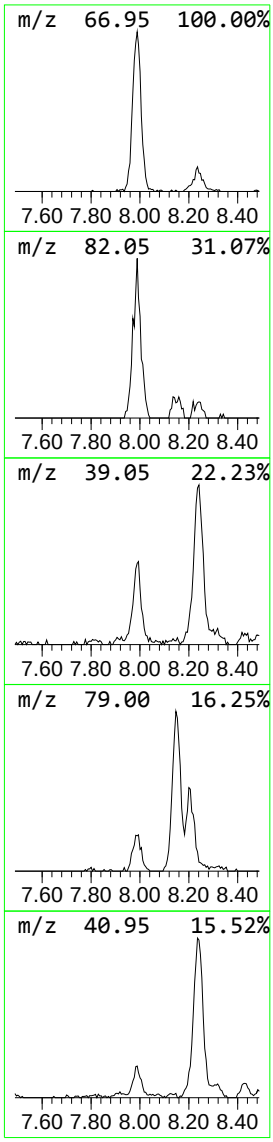
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.988	6.77 ug/l	158650	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
2	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	83
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	83
4	Cyclohexene	82	C6H10	000110-83-8	80
5	Cyclopentane, methylene-	82	C6H10	001528-30-9	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

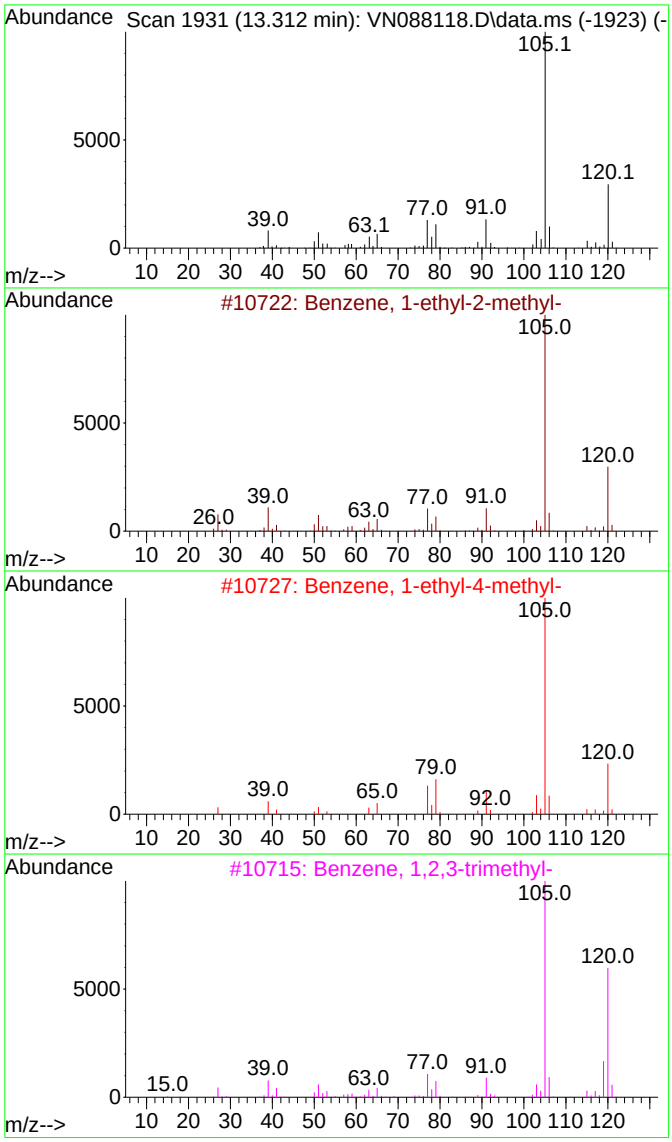
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

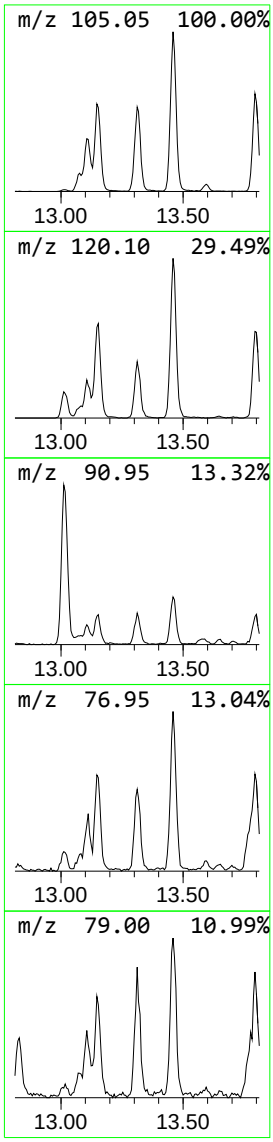
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.312	12.25 ug/l	549770	1,4-Dichlorobenzene-d4	13.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

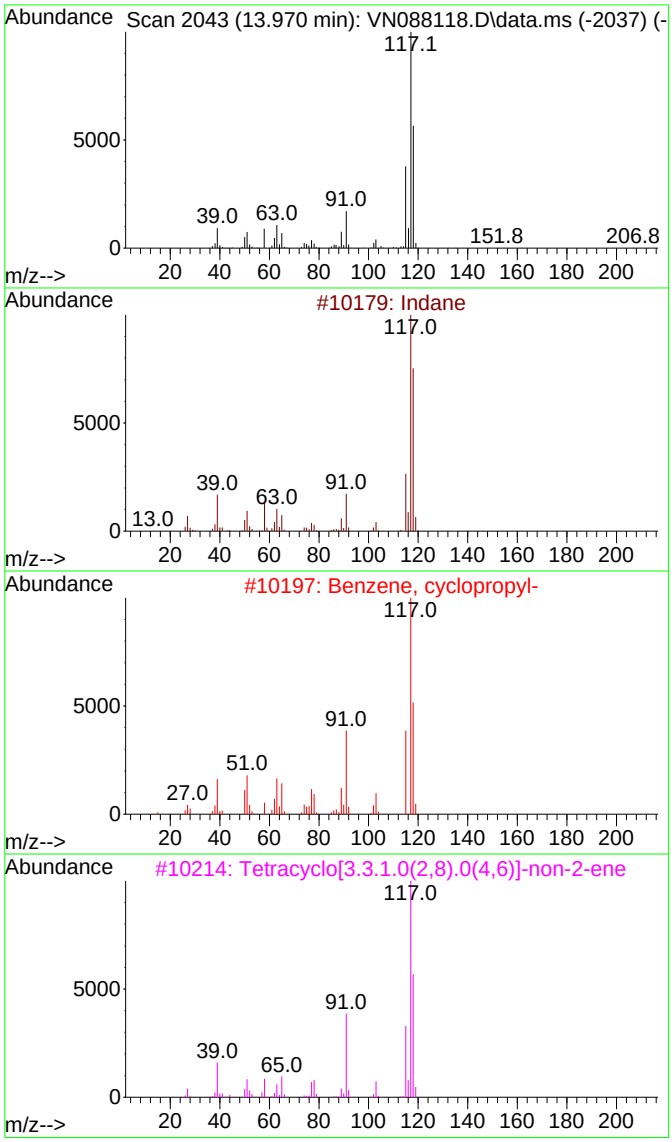
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

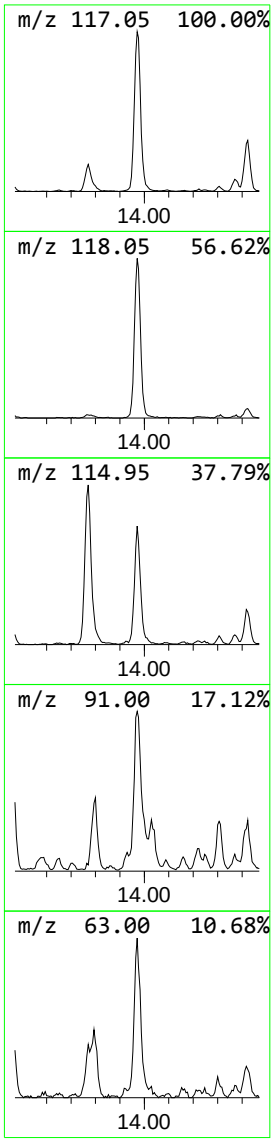
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.970	30.68 ug/l	1376950	1,4-Dichlorobenzene-d4	13.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

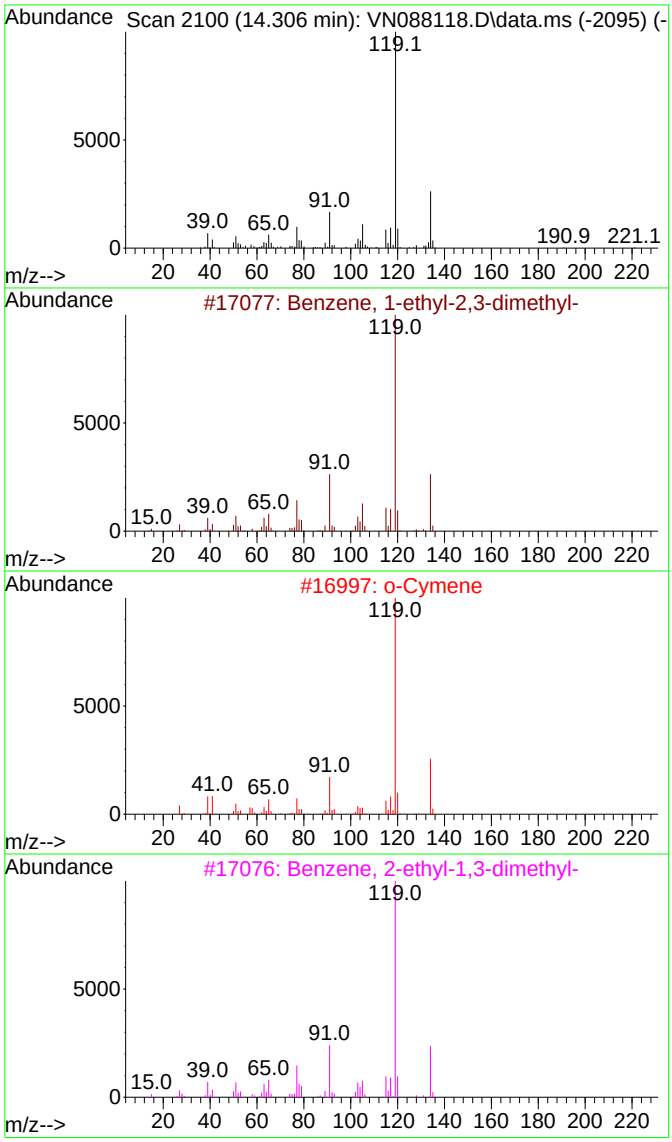
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

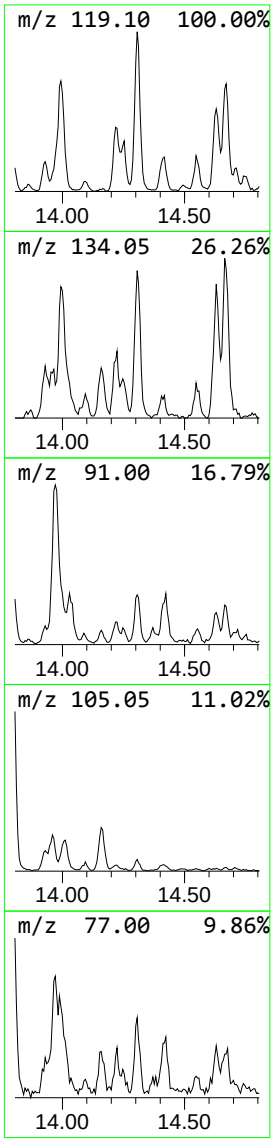
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	5.21 ug/l	233873	1,4-Dichlorobenzene-d4	13.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

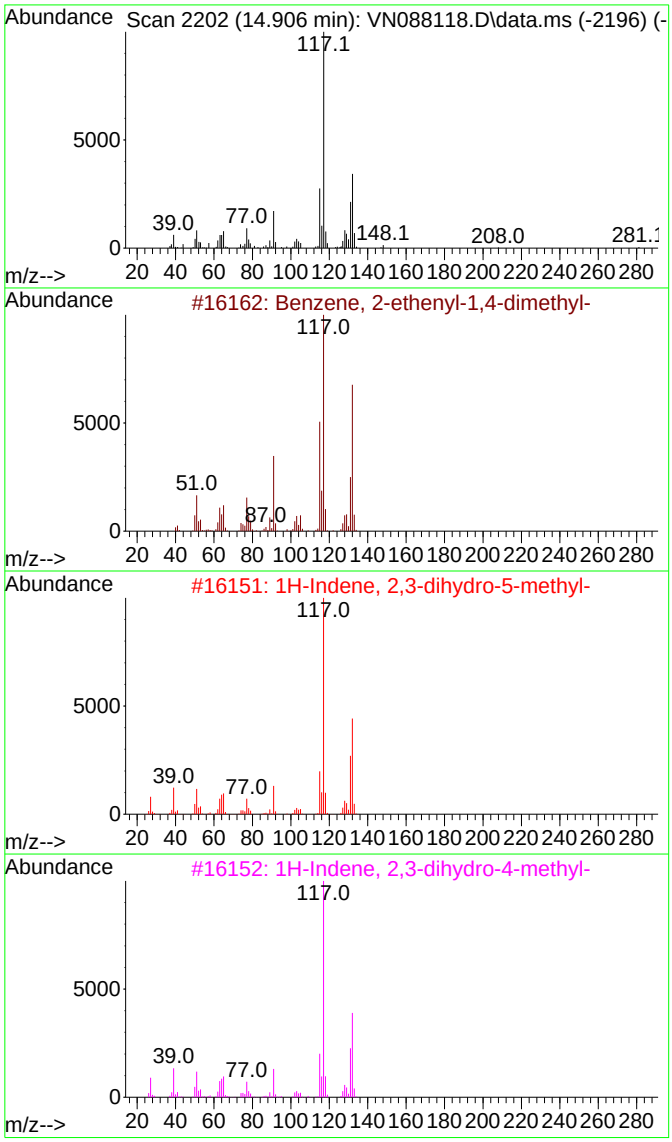
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

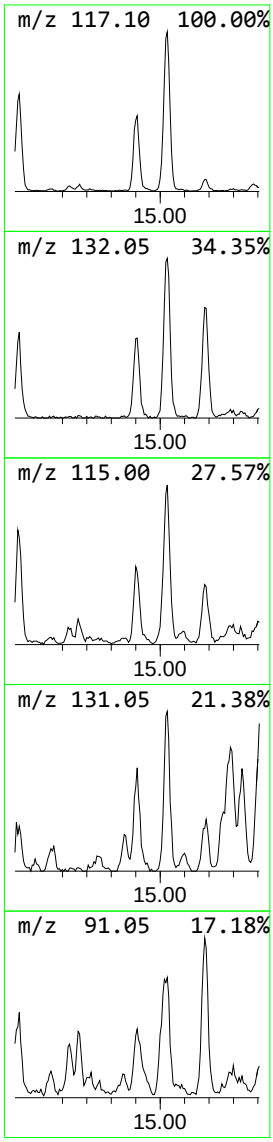
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.906	7.48 ug/l	335575	1,4-Dichlorobenzene-d4	13.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

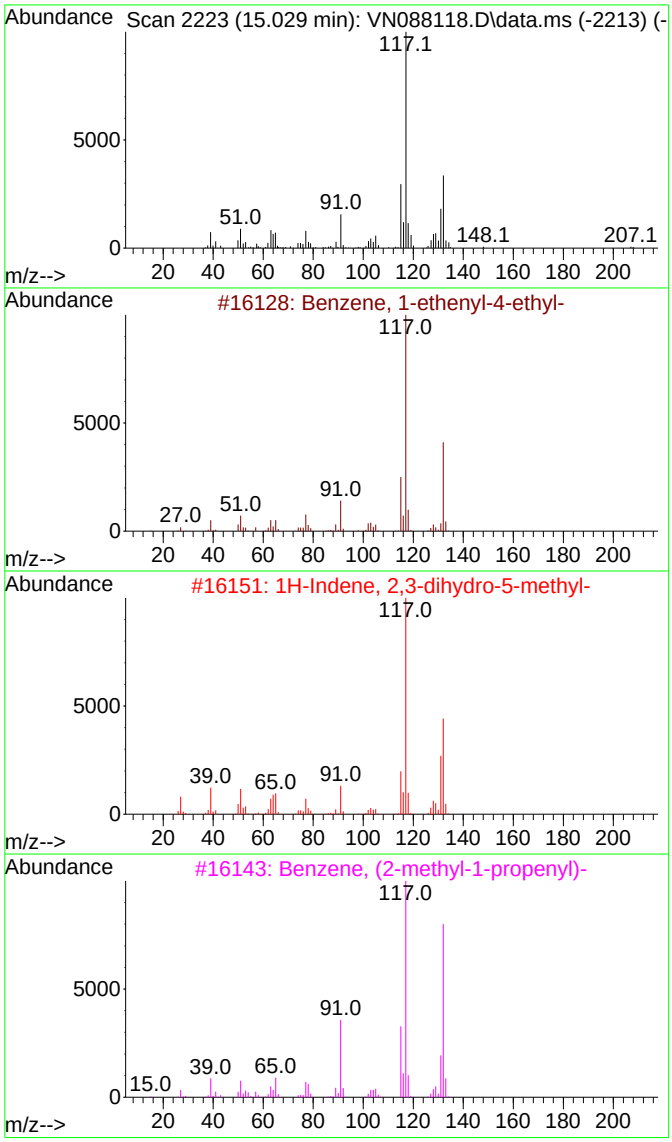
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

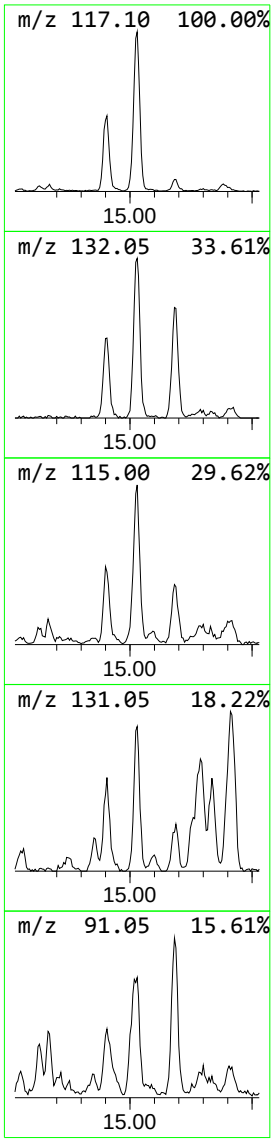
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.029	17.93 ug/l	804965	1,4-Dichlorobenzene-d4	13.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

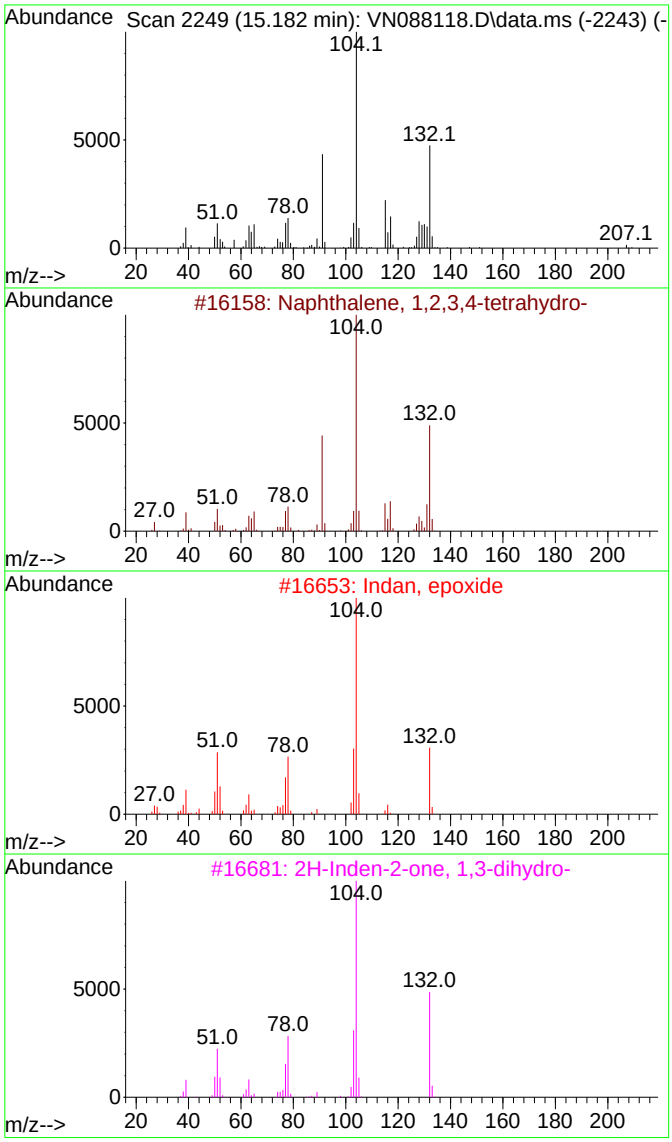
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

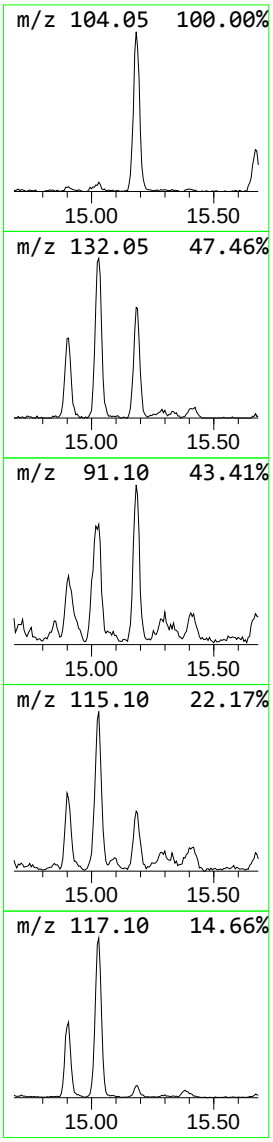
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.182	8.48 ug/l	380766	1,4-Dichlorobenzene-d4	13.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Indan, epoxide	132	C9H8O	000768-22-9	49
3	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	49
4	5,5-Dimethyl-4-phenyldihydrofura...	190	C12H14O2	013133-96-5	38
5	(3-Phenylpropionyl)glycine	207	C11H13NO3	056613-60-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088118.D
Acq On : 27 Oct 2025 16:37
Operator : JC\MD
Sample : Q3426-02 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopropane, 1...	4.148	5.1	ug/l	119158	1	8.206	1171120	50.0
Cyclopentene, 3...	7.988	6.8	ug/l	158650	1	8.206	1171120	50.0
Benzene, 1-ethy...	13.312	12.3	ug/l	549770	4	13.771	2244380	50.0
Indane	13.970	30.7	ug/l	1376950	4	13.771	2244380	50.0
Benzene, 1-ethy...	14.306	5.2	ug/l	233873	4	13.771	2244380	50.0
Benzene, 2-ethe...	14.906	7.5	ug/l	335575	4	13.771	2244380	50.0
Benzene, 1-ethe...	15.029	17.9	ug/l	804965	4	13.771	2244380	50.0
Naphthalene, 1,...	15.182	8.5	ug/l	380766	4	13.771	2244380	50.0

Raw Data: **VN088119.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	10/21/25
Project:	Willow			Date Received:	10/22/25
Client Sample ID:	TWP5			SDG No.:	Q3426
Lab Sample ID:	Q3426-03			Matrix:	Water
Analytical Method:	8260D	Level :	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2.20	U	10	2.20	10.0	ug/L	10/27/25 16:58	VN102725
74-87-3	Chloromethane	3.20	U	10	3.20	10.0	ug/L	10/27/25 16:58	VN102725
75-01-4	Vinyl Chloride	2.60	U	10	2.60	10.0	ug/L	10/27/25 16:58	VN102725
74-83-9	Bromomethane	14.4	U	10	14.4	50.0	ug/L	10/27/25 16:58	VN102725
75-00-3	Chloroethane	4.70	U	10	4.70	10.0	ug/L	10/27/25 16:58	VN102725
75-69-4	Trichlorofluoromethane	3.30	U	10	3.30	10.0	ug/L	10/27/25 16:58	VN102725
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	10	2.50	10.0	ug/L	10/27/25 16:58	VN102725
75-65-0	Tert butyl alcohol	55.1	U	10	55.1	250	ug/L	10/27/25 16:58	VN102725
75-35-4	1,1-Dichloroethene	2.30	U	10	2.30	10.0	ug/L	10/27/25 16:58	VN102725
67-64-1	Acetone	52.4		10	15.1	50.0	ug/L	10/27/25 16:58	VN102725
75-15-0	Carbon Disulfide	2.10	U	10	2.10	10.0	ug/L	10/27/25 16:58	VN102725
1634-04-4	Methyl tert-butyl Ether	1.60	U	10	1.60	10.0	ug/L	10/27/25 16:58	VN102725
79-20-9	Methyl Acetate	2.70	U	10	2.70	10.0	ug/L	10/27/25 16:58	VN102725
75-09-2	Methylene Chloride	2.80	UQ	10	2.80	10.0	ug/L	10/27/25 16:58	VN102725
156-60-5	trans-1,2-Dichloroethene	2.30	U	10	2.30	10.0	ug/L	10/27/25 16:58	VN102725
75-34-3	1,1-Dichloroethane	2.30	U	10	2.30	10.0	ug/L	10/27/25 16:58	VN102725
110-82-7	Cyclohexane	160		10	14.5	50.0	ug/L	10/27/25 16:58	VN102725
78-93-3	2-Butanone	9.80	U	10	9.80	50.0	ug/L	10/27/25 16:58	VN102725
56-23-5	Carbon Tetrachloride	2.50	U	10	2.50	10.0	ug/L	10/27/25 16:58	VN102725
156-59-2	cis-1,2-Dichloroethene	1.90	U	10	1.90	10.0	ug/L	10/27/25 16:58	VN102725
74-97-5	Bromochloromethane	2.20	UQ	10	2.20	10.0	ug/L	10/27/25 16:58	VN102725
67-66-3	Chloroform	2.50	UQ	10	2.50	10.0	ug/L	10/27/25 16:58	VN102725
71-55-6	1,1,1-Trichloroethane	2.00	UQ	10	2.00	10.0	ug/L	10/27/25 16:58	VN102725
108-87-2	Methylcyclohexane	130		10	1.60	10.0	ug/L	10/27/25 16:58	VN102725
71-43-2	Benzene	50.8		10	1.50	10.0	ug/L	10/27/25 16:58	VN102725
107-06-2	1,2-Dichloroethane	2.20	UQ	10	2.20	10.0	ug/L	10/27/25 16:58	VN102725
79-01-6	Trichloroethene	0.93	U	10	0.93	10.0	ug/L	10/27/25 16:58	VN102725
78-87-5	1,2-Dichloropropane	2.00	UQ	10	2.00	10.0	ug/L	10/27/25 16:58	VN102725
75-27-4	Bromodichloromethane	2.20	UQ	10	2.20	10.0	ug/L	10/27/25 16:58	VN102725
108-10-1	4-Methyl-2-Pentanone	6.80	UQ	10	6.80	50.0	ug/L	10/27/25 16:58	VN102725
108-88-3	Toluene	17.6		10	1.40	10.0	ug/L	10/27/25 16:58	VN102725
10061-02-6	t-1,3-Dichloropropene	1.70	UQ	10	1.70	10.0	ug/L	10/27/25 16:58	VN102725
10061-01-5	cis-1,3-Dichloropropene	1.60	UQ	10	1.60	10.0	ug/L	10/27/25 16:58	VN102725
79-00-5	1,1,2-Trichloroethane	2.10	U	10	2.10	10.0	ug/L	10/27/25 16:58	VN102725
591-78-6	2-Hexanone	8.90	UQ	10	8.90	50.0	ug/L	10/27/25 16:58	VN102725
124-48-1	Dibromochloromethane	1.80	U	10	1.80	10.0	ug/L	10/27/25 16:58	VN102725
106-93-4	1,2-Dibromoethane	1.50	UQ	10	1.50	10.0	ug/L	10/27/25 16:58	VN102725
127-18-4	Tetrachloroethene	2.30	U	10	2.30	10.0	ug/L	10/27/25 16:58	VN102725
108-90-7	Chlorobenzene	1.20	U	10	1.20	10.0	ug/L	10/27/25 16:58	VN102725
100-41-4	Ethyl Benzene	370		10	1.30	10.0	ug/L	10/27/25 16:58	VN102725
179601-23-1	m/p-Xylenes	1200		10	2.40	20.0	ug/L	10/27/25 16:58	VN102725
95-47-6	o-Xylene	200		10	1.20	10.0	ug/L	10/27/25 16:58	VN102725
100-42-5	Styrene	1.50	U	10	1.50	10.0	ug/L	10/27/25 16:58	VN102725

Raw Data: **VN088119.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	10/21/25
Project:	Willow	Date Received:	10/22/25
Client Sample ID:	TWP5	SDG No.:	Q3426
Lab Sample ID:	Q3426-03	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	1.90	UQ	10	1.90	10.0	ug/L	10/27/25 16:58	VN102725
98-82-8	Isopropylbenzene	65.7		10	1.20	10.0	ug/L	10/27/25 16:58	VN102725
79-34-5	1,1,2,2-Tetrachloroethane	2.60	U	10	2.60	10.0	ug/L	10/27/25 16:58	VN102725
95-63-6	1,2,4-Trimethylbenzene	1200		10	1.40	10.0	ug/L	10/27/25 16:58	VN102725
541-73-1	1,3-Dichlorobenzene	1.60	U	10	1.60	10.0	ug/L	10/27/25 16:58	VN102725
106-46-7	1,4-Dichlorobenzene	1.90	U	10	1.90	10.0	ug/L	10/27/25 16:58	VN102725
95-50-1	1,2-Dichlorobenzene	1.60	U	10	1.60	10.0	ug/L	10/27/25 16:58	VN102725
96-12-8	1,2-Dibromo-3-Chloropropane	5.30	UQ	10	5.30	10.0	ug/L	10/27/25 16:58	VN102725
120-82-1	1,2,4-Trichlorobenzene	2.00	U	10	2.00	10.0	ug/L	10/27/25 16:58	VN102725
87-61-6	1,2,3-Trichlorobenzene	2.00	U	10	2.00	10.0	ug/L	10/27/25 16:58	VN102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.5			74 - 125	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.6			75 - 124	93%	SPK: 50		
2037-26-5	Toluene-d8	44.8			86 - 113	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.7			77 - 121	99%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	246000							
540-36-3	1,4-Difluorobenzene	561000							
3114-55-4	Chlorobenzene-d5	538000							
3855-82-1	1,4-Dichlorobenzene-d4	273000							
TENTATIVE IDENTIFIED COMPOUNDS									
000096-37-7	Cyclopentane, methyl-	120	J			7.31	ug/L		
103-65-1	n-propylbenzene	160	J			13.0	ug/L		
000611-14-3	Benzene, 1-ethyl-2-methyl-	540	J			13.1	ug/L		
108-67-8	1,3,5-Trimethylbenzene	320	J			13.1	ug/L		
000622-96-8	Benzene, 1-ethyl-4-methyl-	310	J			13.3	ug/L		
99-87-6	p-Isopropyltoluene	6.70	J			13.7	ug/L		
000496-11-7	Indane	1100	J			14.0	ug/L		
104-51-8	n-Butylbenzene	15.1	J			14.0	ug/L		
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	98.3	J			14.2	ug/L		
000527-84-4	o-Cymene	170	J			14.3	ug/L		
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	230	J			14.4	ug/L		
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	120	J			14.6	ug/L		
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	120	J			14.7	ug/L		
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	200	J			14.9	ug/L		
000824-90-8	1-Phenyl-1-butene	390	J			15.0	ug/L		
000769-57-3	Benzene, (1,2-dimethyl-1-propenyl)	72.0	J			15.3	ug/L		
91-20-3	Naphthalene	730	J			15.6	ug/L		
000090-12-0	Naphthalene, 1-methyl-	140	J			16.7	ug/L		

Raw Data: **VN088119.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	10/21/25
Project:	Willow	Date Received:	10/22/25
Client Sample ID:	TWP5	SDG No.:	Q3426
Lab Sample ID:	Q3426-03	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 01:30:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
TWP5

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	246197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	561002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	537996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	272811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	240578	56.510	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.020%			
35) Dibromofluoromethane	8.147	113	175554	46.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.160%			
50) Toluene-d8	10.547	98	650072	44.765	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.520%			
62) 4-Bromofluorobenzene	12.829	95	254790	49.680	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.360%			
Target Compounds						Qvalue
16) Acetone	4.424	43	11203m	5.238	ug/l	
31) Cyclohexane	8.241	56	92504	15.523	ug/l	90
39) Methylcyclohexane	9.582	83	92228	13.039	ug/l	99
40) Benzene	8.588	78	85132	5.080	ug/l	97
52) Toluene	10.606	92	18188	1.760	ug/l	96
67) Ethyl Benzene	11.941	91	785583	36.635	ug/l	99
68) m/p-Xylenes	12.047	106	960262	119.519	ug/l	100
69) o-Xylene	12.376	106	154702	20.312	ug/l	97
73) Isopropylbenzene	12.670	105	138334	6.574	ug/l	99
78) n-propylbenzene	13.012	91	403599	15.718	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	567292	32.463	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	2098441	120.022	ug/l	100
86) p-Isopropyltoluene	13.706	119	12295	0.668	ug/l #	74
89) n-Butylbenzene	14.029	91	27520m	1.510	ug/l	
95) Naphthalene	15.611	128	1321798	72.968	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 28 01:30:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
TWP5

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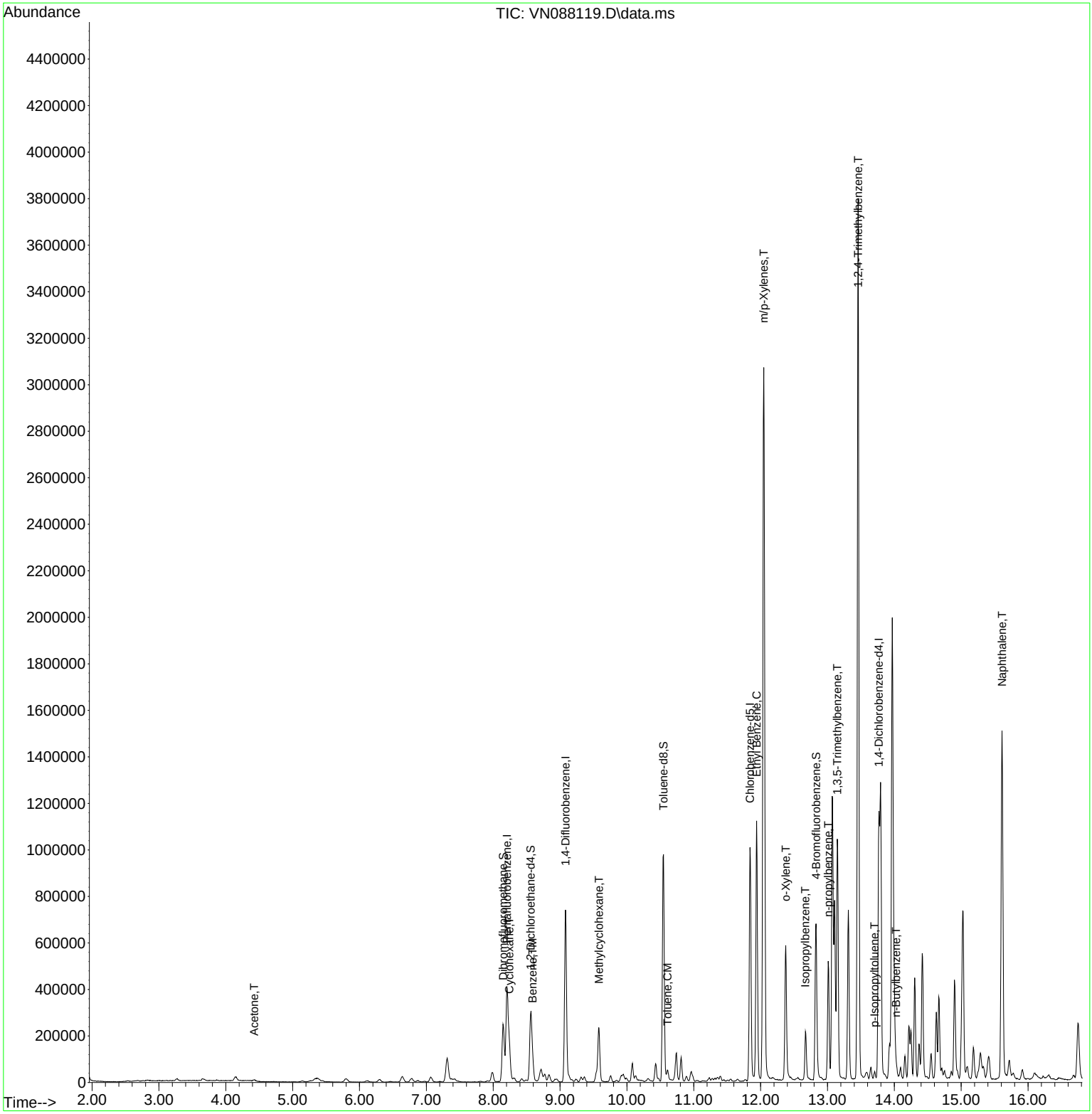
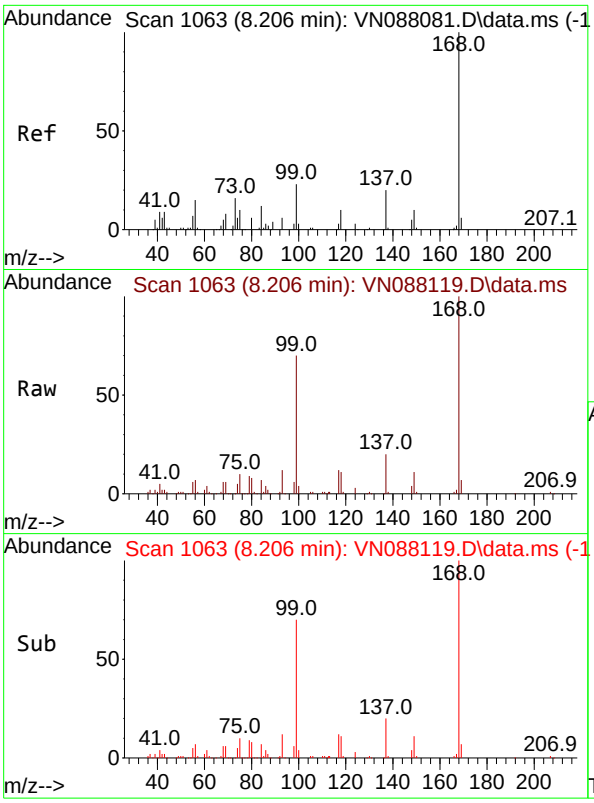
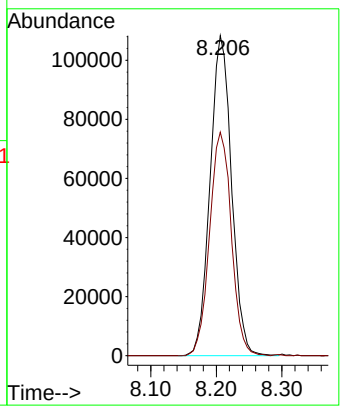




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:168 Resp: 24619

Ion	Ratio	Lower	Upper
168	100		
99	69.8	57.2	85.8



Instrument :
MSVOA_N
ClientSampleId :
TWP5

Manual Integrations
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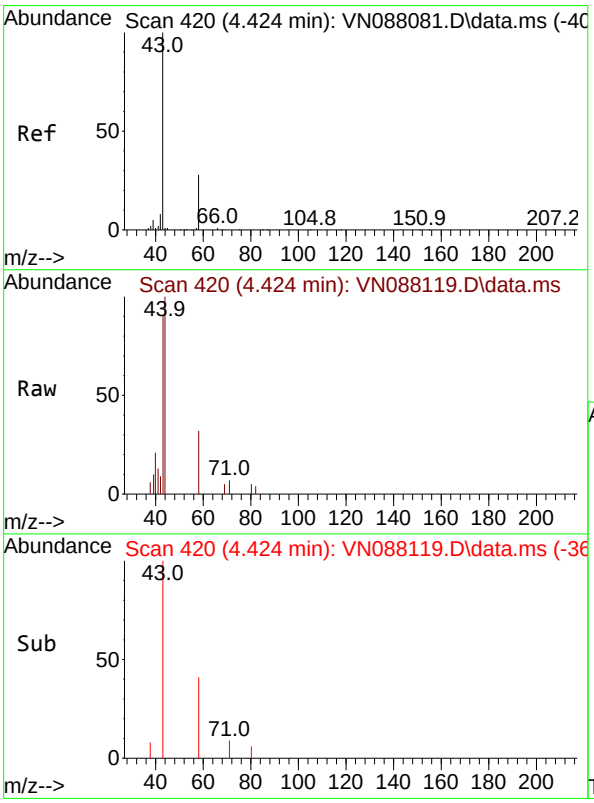
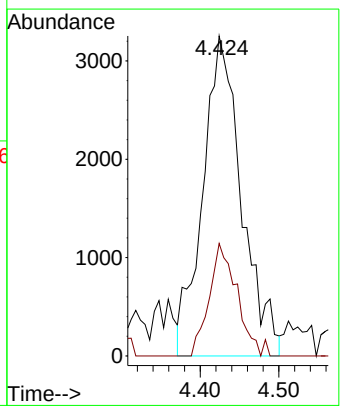
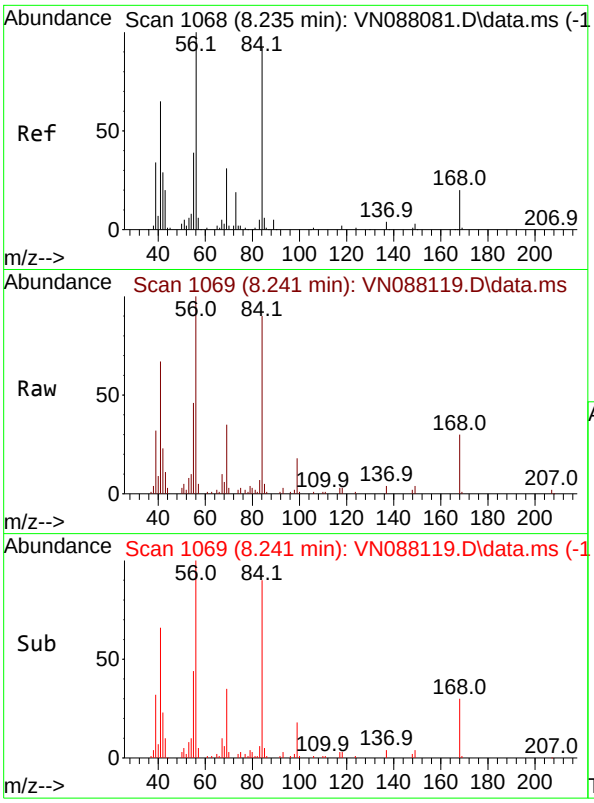


#16
Acetone
Concen: 5.238 ug/l m
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 43 Resp: 11203

Ion	Ratio	Lower	Upper
43	100		
58	35.2	22.6	33.8#





#31
Cyclohexane
Concen: 15.523 ug/l
RT: 8.241 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 56 Resp: 9250

Ion	Ratio	Lower	Upper
56	100		
69	34.2	23.7	35.5
84	90.1	64.7	97.1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

Manual Integrations
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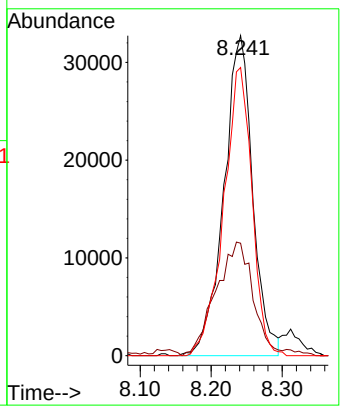
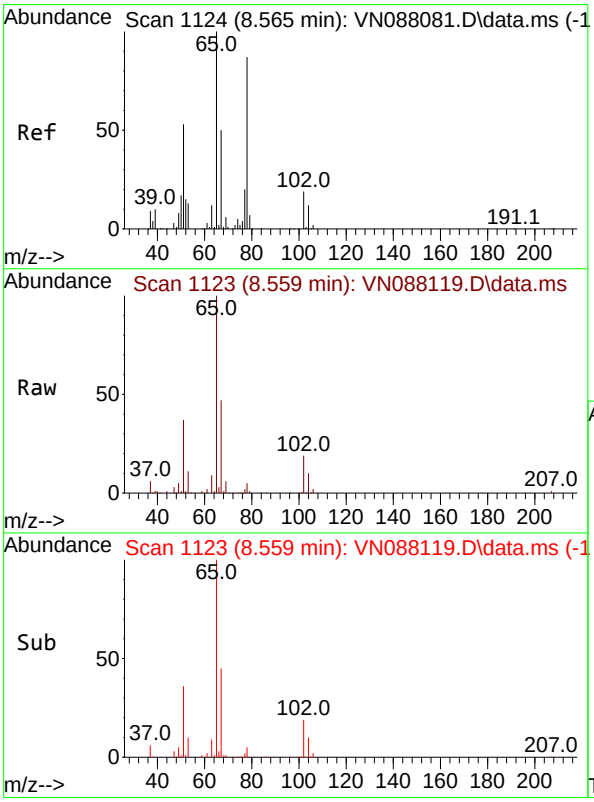
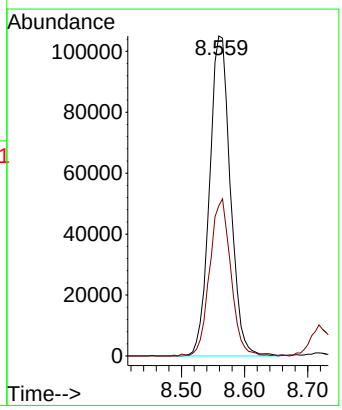


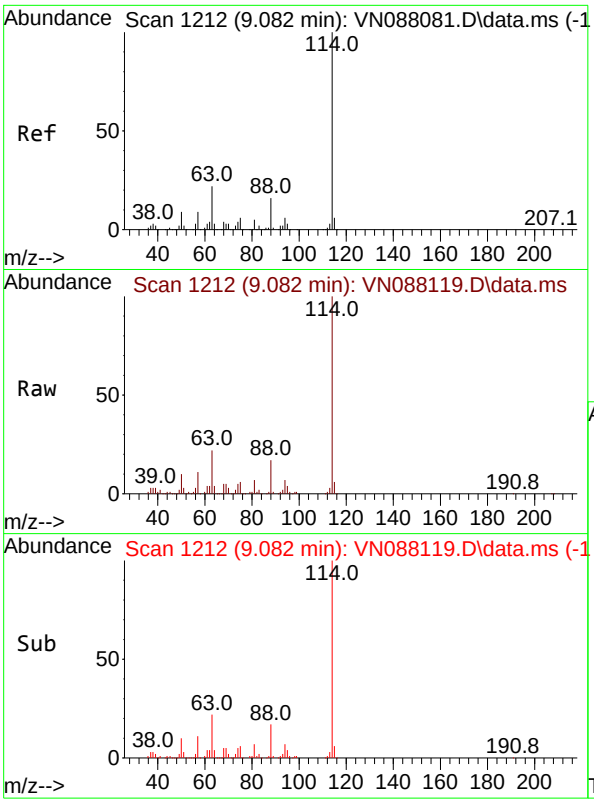


#33
1,2-Dichloroethane-d4
Concen: 56.510 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 65 Resp: 240578

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	100.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:114 Resp: 56100

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.2
88	16.5	0.0	33.4

Instrument :
MSVOA_N
ClientSampleId :
TWP5

Manual Integrations
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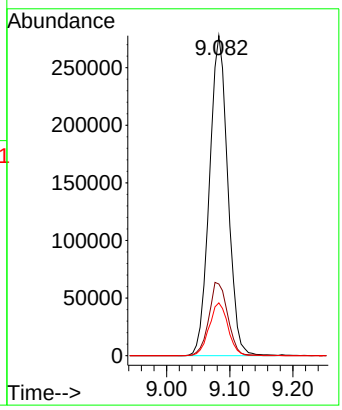
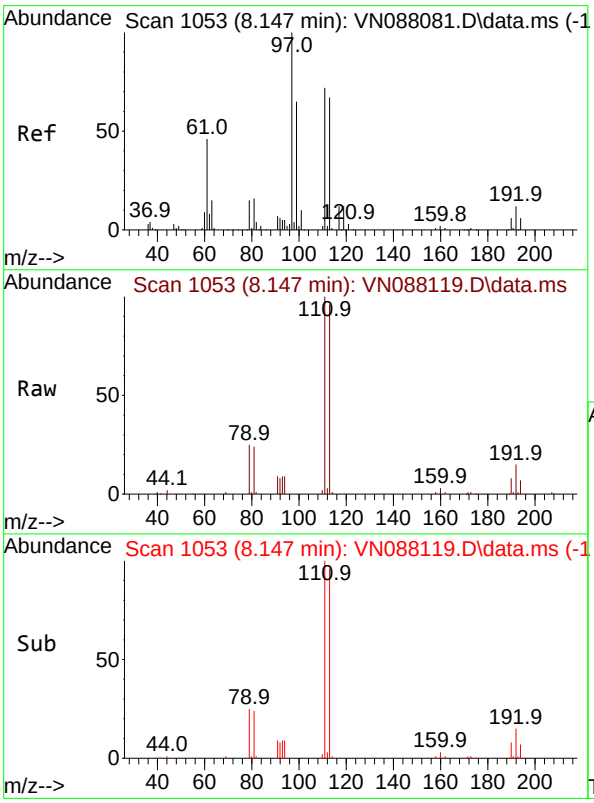
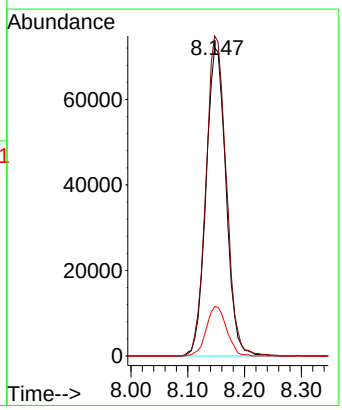


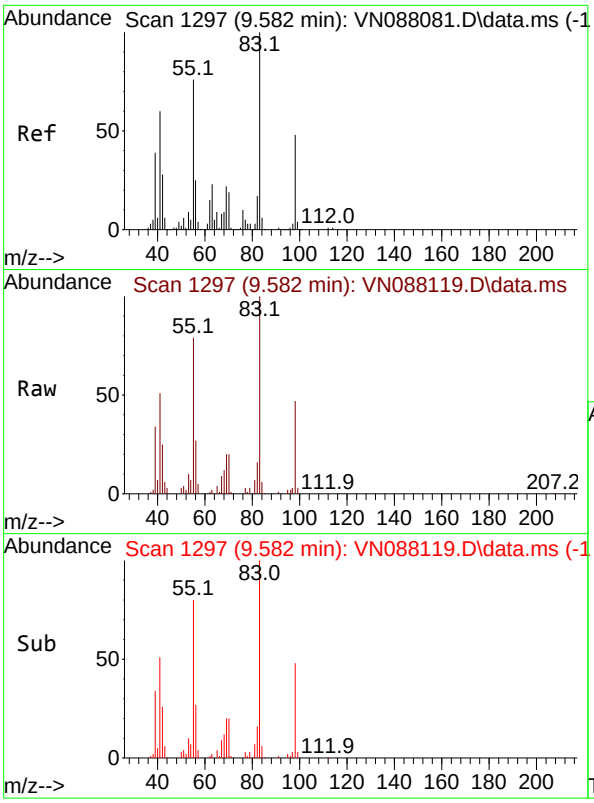


#35
Dibromofluoromethane
Concen: 46.580 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:113 Resp: 175554

Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.8	124.2
192	16.3	12.8	19.2





#39
Methylcyclohexane
Concen: 13.039 ug/l
RT: 9.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 83 Resp: 9222

Ion	Ratio	Lower	Upper
83	100		
55	79.3	64.6	96.8
98	47.1	38.4	57.6

Instrument :
MSVOA_N
ClientSampleId :
TWP5

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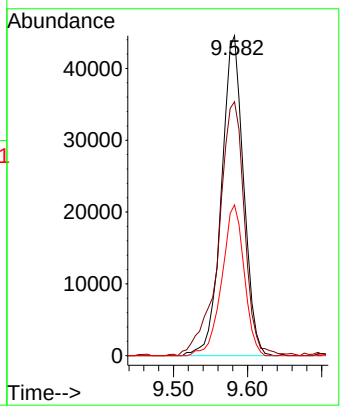
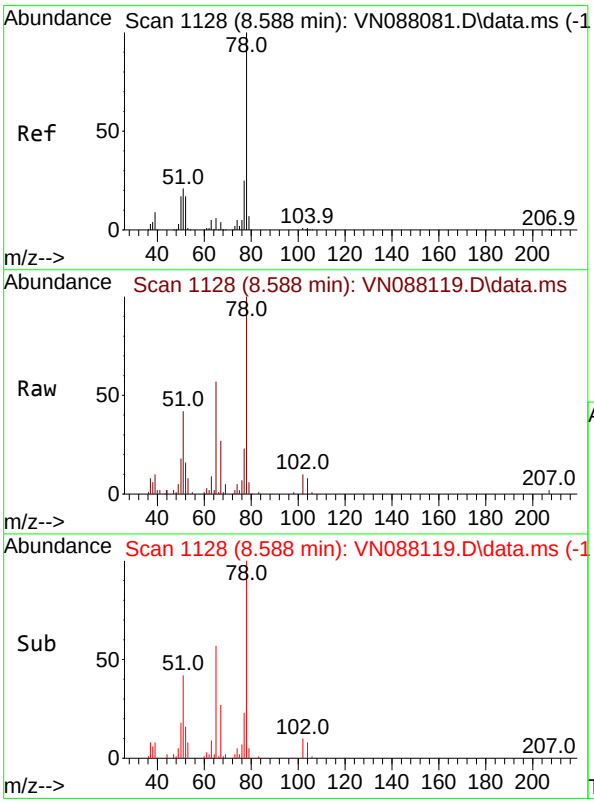
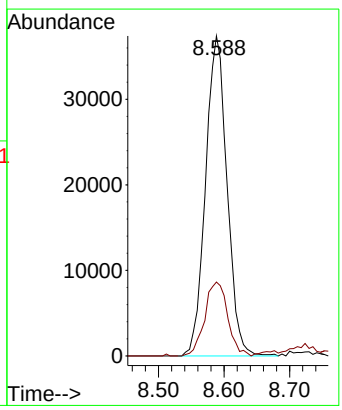


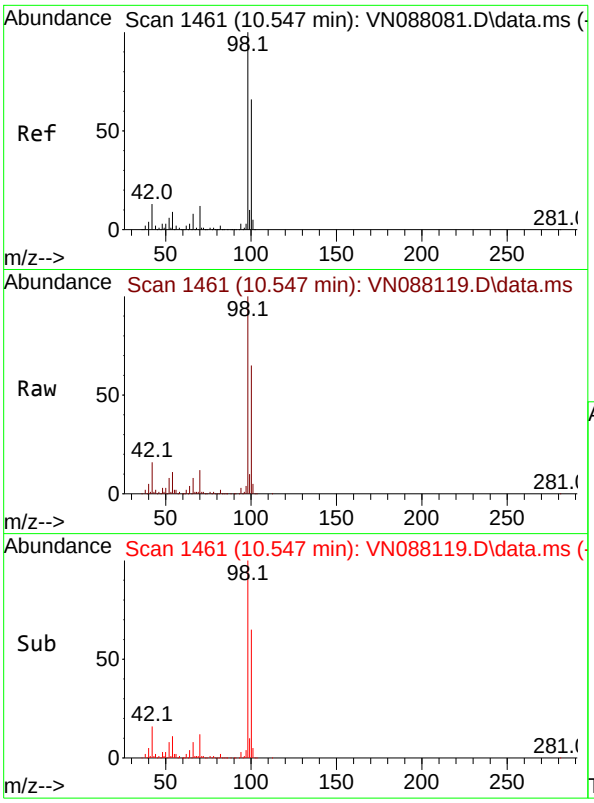


#40
Benzene
Concen: 5.080 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 78 Resp: 85132

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.7	29.5





#50
Toluene-d8
Concen: 44.765 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 98 Resp: 65007

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.8	79.2

Instrument :
MSVOA_N
ClientSampleId :
TWP5

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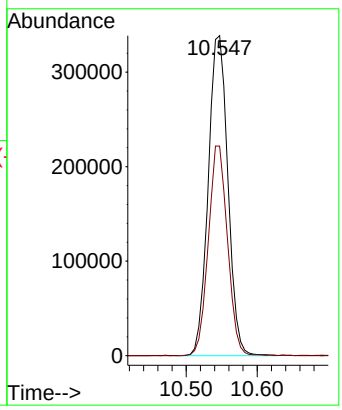
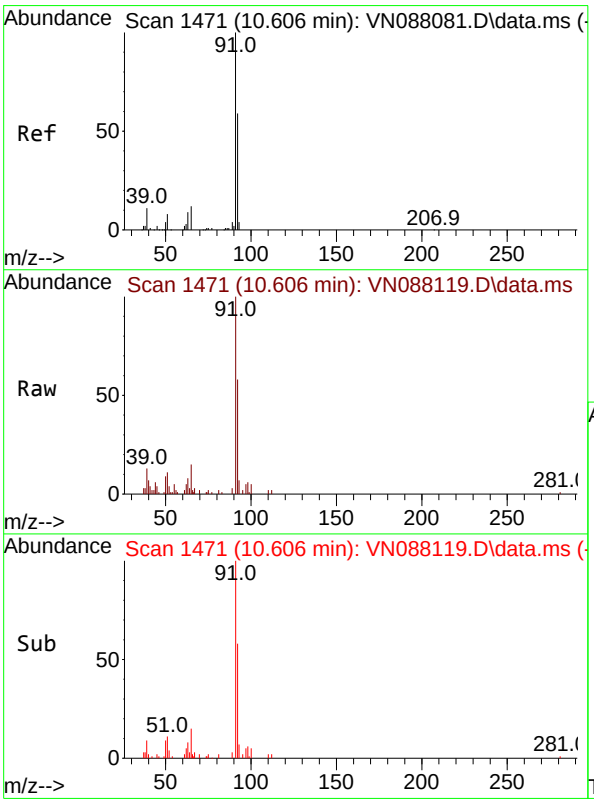
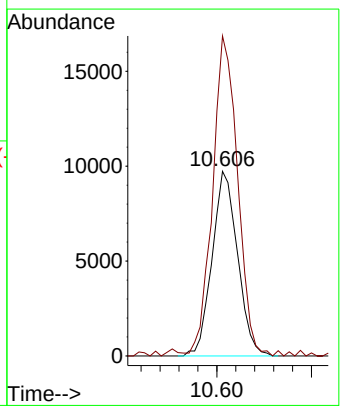


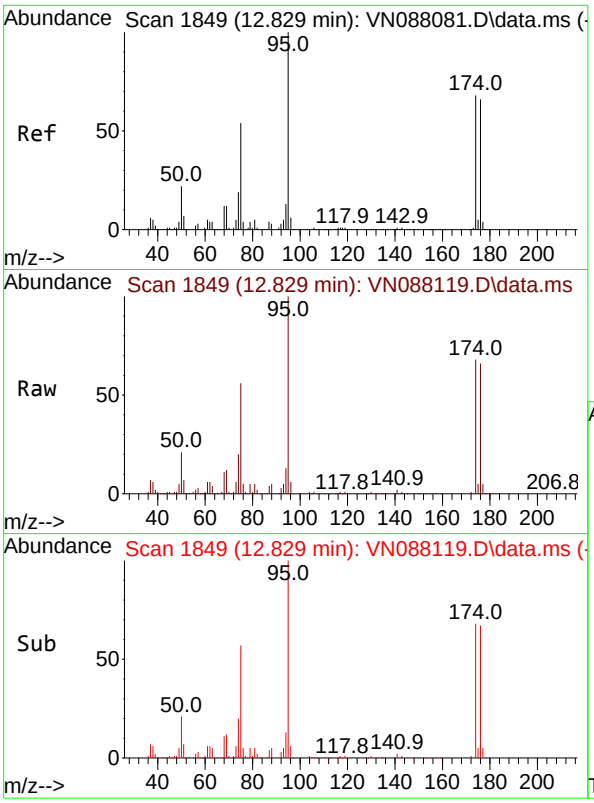


#52
Toluene
Concen: 1.760 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 92 Resp: 18188

Ion	Ratio	Lower	Upper
92	100		
91	170.1	140.4	210.6





#62
4-Bromofluorobenzene
Concen: 49.680 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 95 Resp: 25479

Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	138.4
176	64.8	0.0	132.6

Instrument :
MSVOA_N
ClientSampleId :
TWP5

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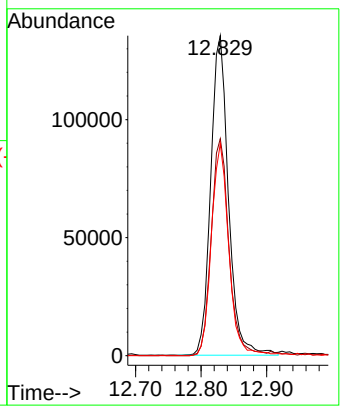
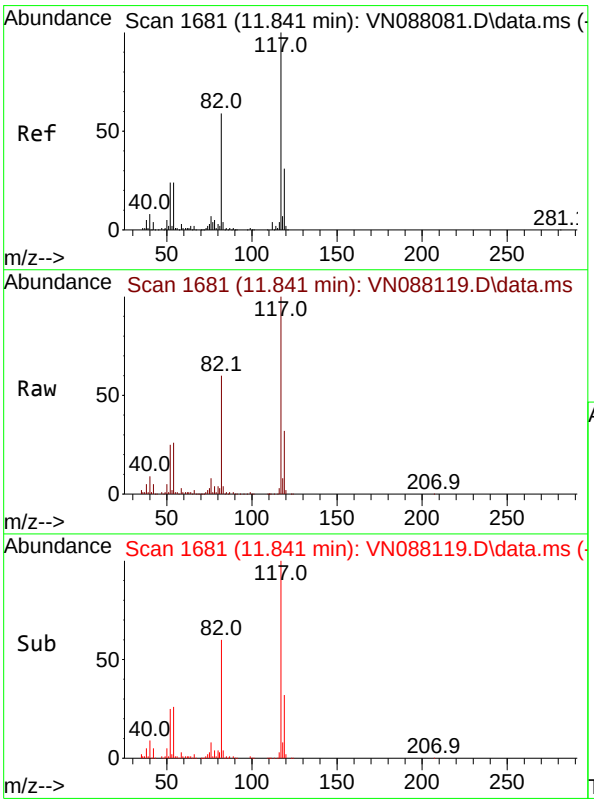
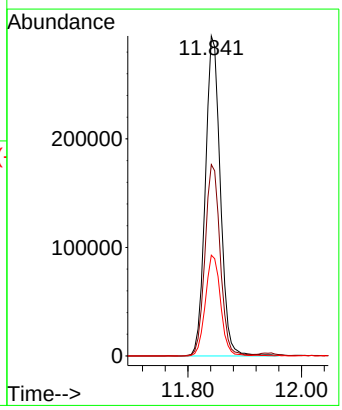


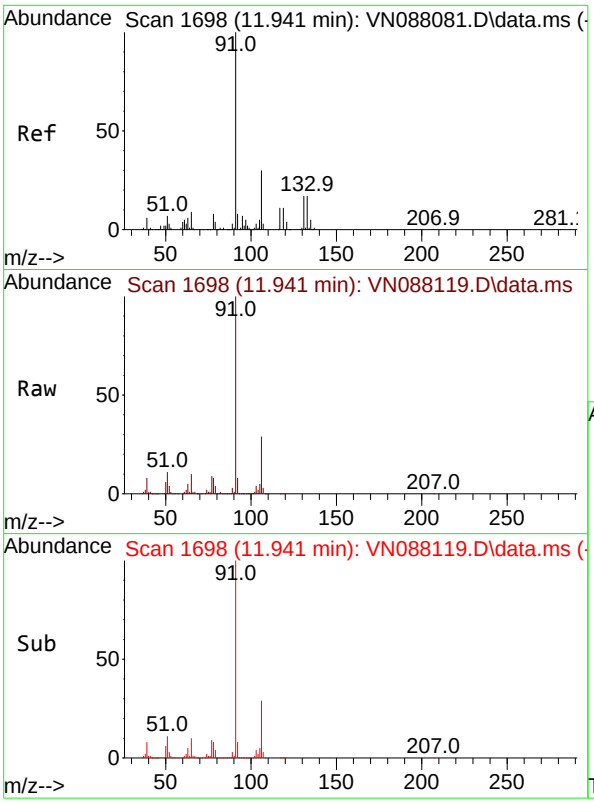


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:117 Resp: 537996

Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.4	71.2
119	31.5	24.3	36.5





#67
Ethyl Benzene
Concen: 36.635 ug/l
RT: 11.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 91 Resp: 78558

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.1	36.1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

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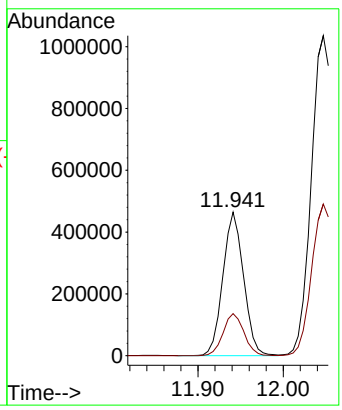
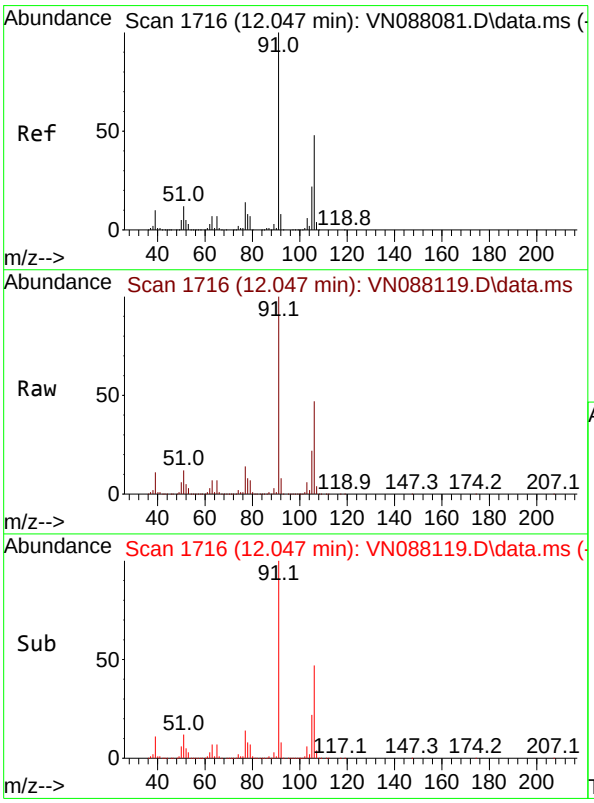
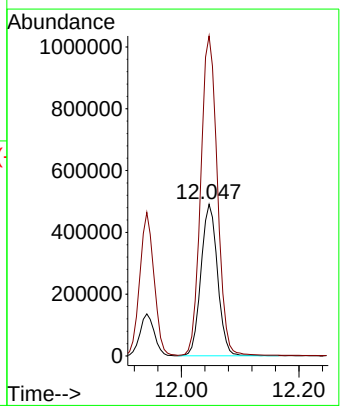


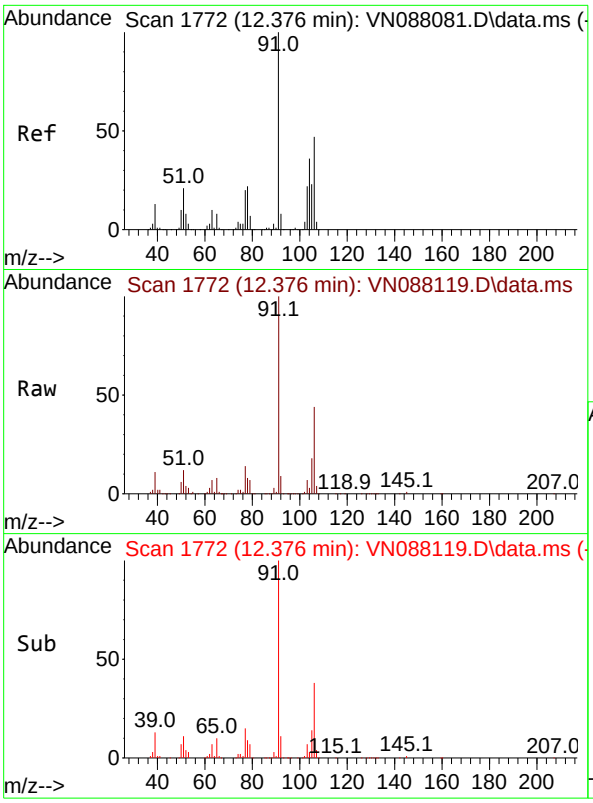


#68
m/p-Xylenes
Concen: 119.519 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:106 Resp: 960262

Ion	Ratio	Lower	Upper
106	100		
91	211.3	169.3	253.9





#69
o-Xylene
Concen: 20.312 ug/l
RT: 12.376 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:106 Resp: 15470

Ion	Ratio	Lower	Upper
106	100		
91	228.1	111.4	334.2

Instrument :
MSVOA_N
ClientSampleId :
TWP5

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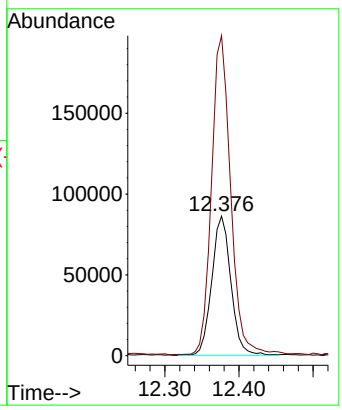
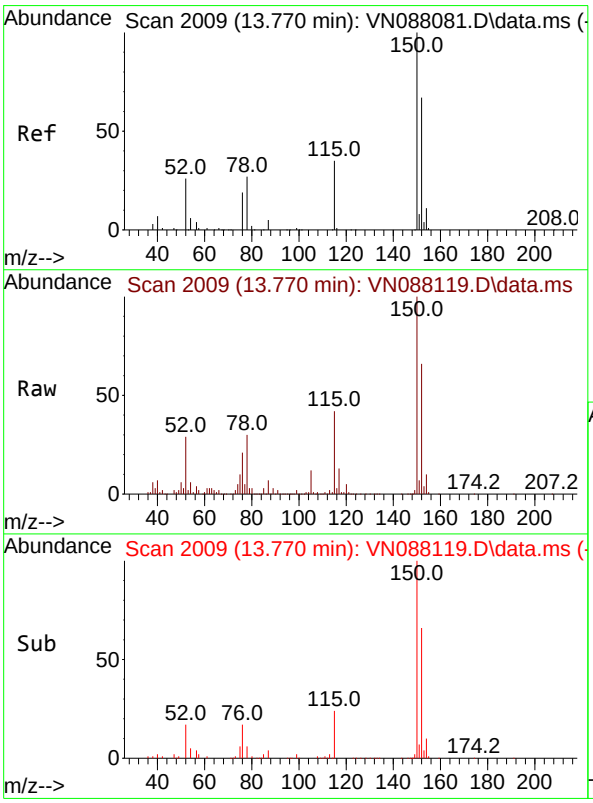
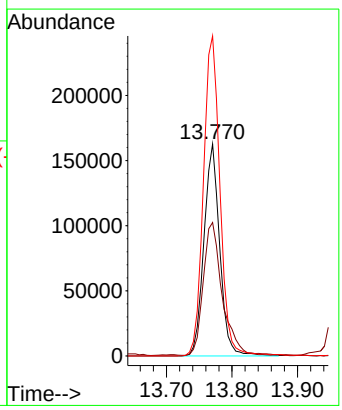


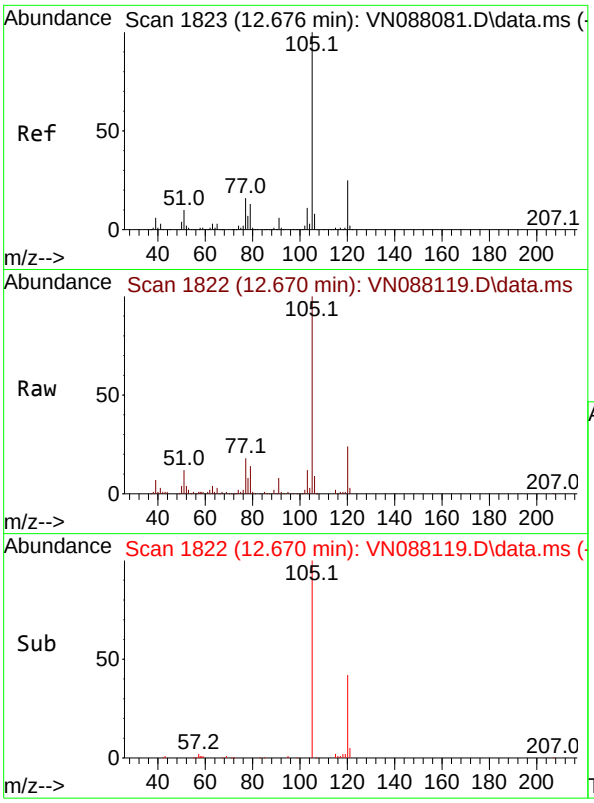


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:152 Resp: 272811

Ion	Ratio	Lower	Upper
152	100		
115	75.5	32.3	96.8
150	157.8	0.0	351.0





#73
Isopropylbenzene
Concen: 6.574 ug/l
RT: 12.670 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

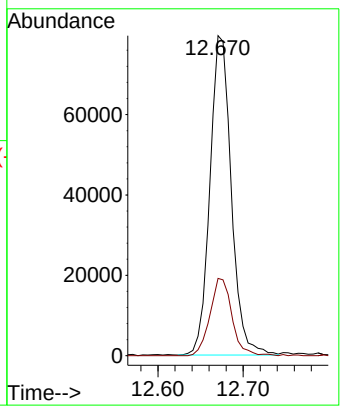
Tgt Ion:105 Resp: 13833

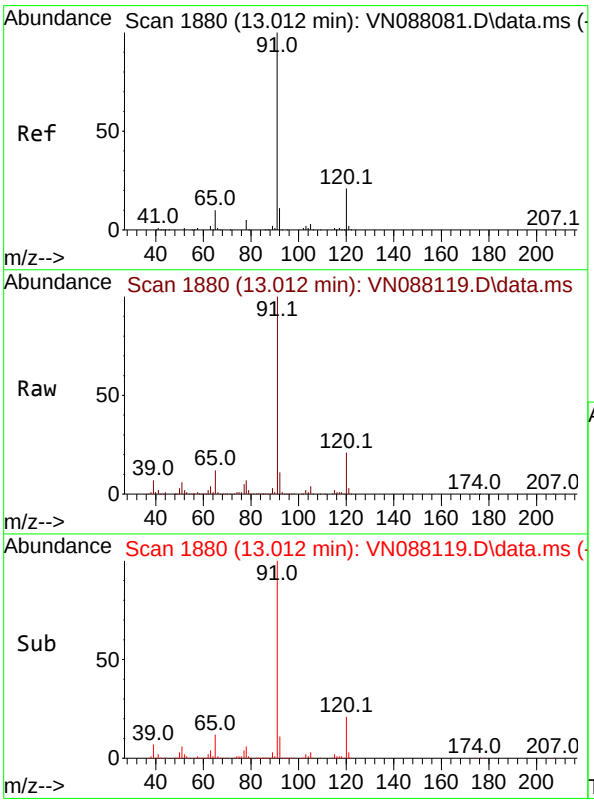
Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.8	38.3

Instrument :
MSVOA_N
ClientSampleId :
TWP5

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

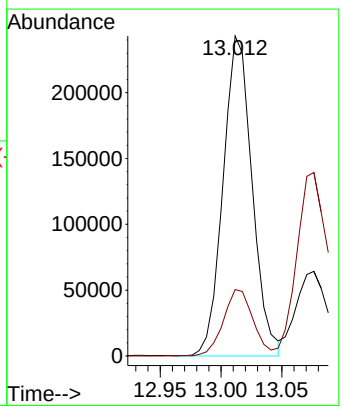


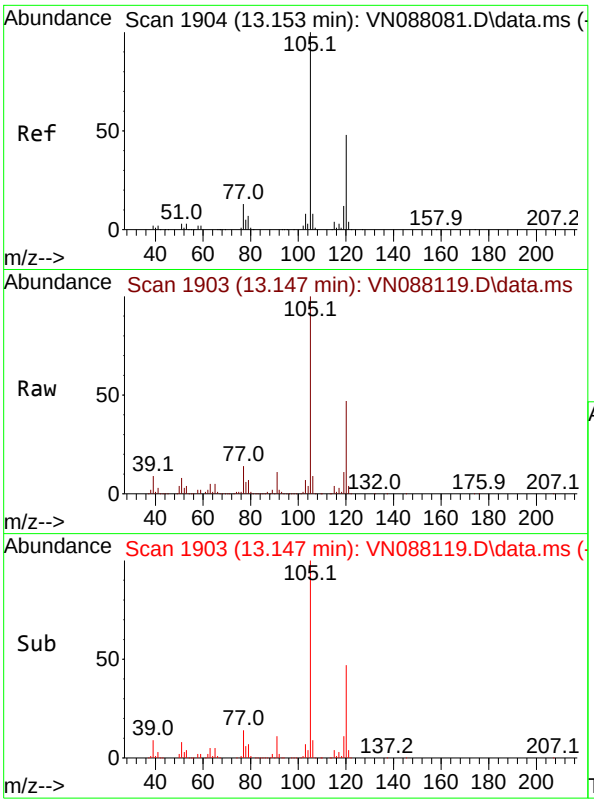


#78
n-propylbenzene
Concen: 15.718 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 91 Resp: 403599

Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.7	32.1

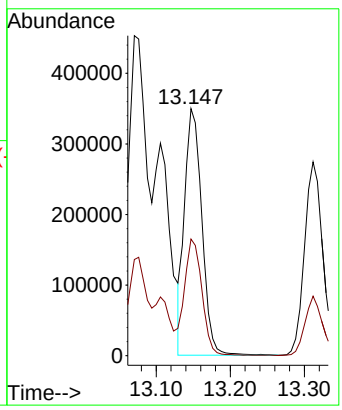




#80
1,3,5-Trimethylbenzene
Concen: 32.463 ug/l
RT: 13.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:105 Resp: 56729

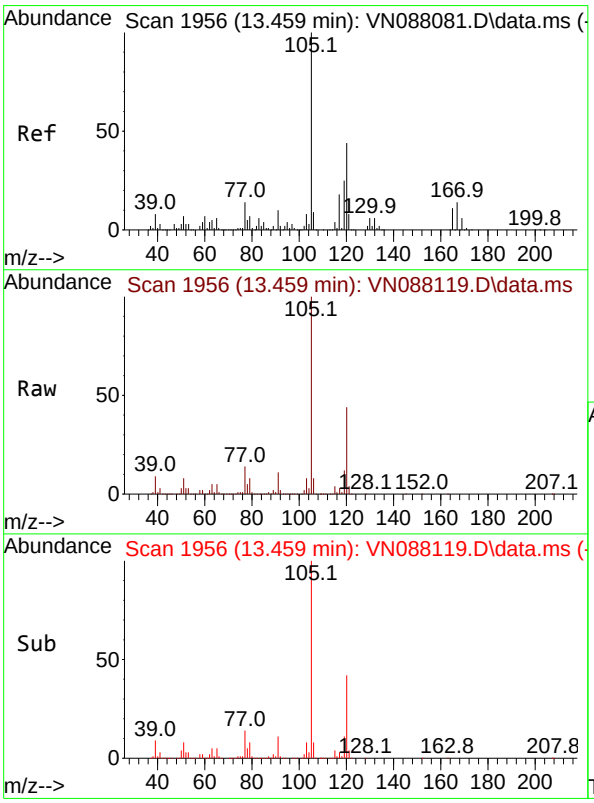
Ion	Ratio	Lower	Upper
105	100		
120	49.4	23.2	69.6



Instrument :
MSVOA_N
ClientSampleId :
TWP5

Manual Integrations
APPROVED

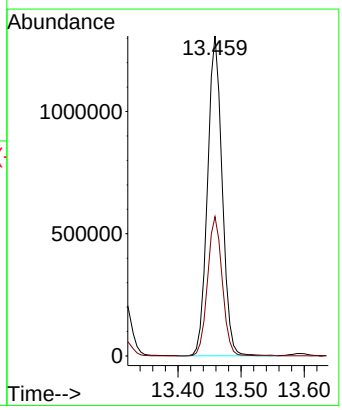
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

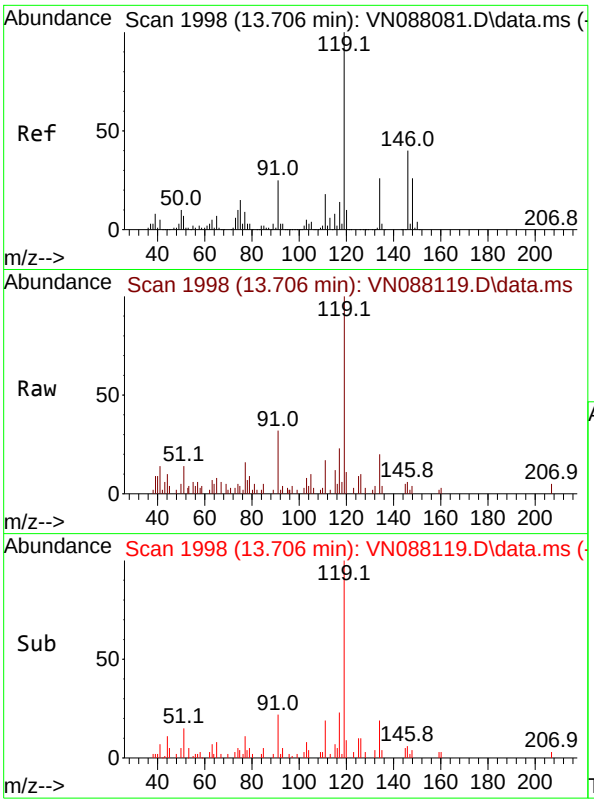


#84
1,2,4-Trimethylbenzene
Concen: 120.022 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:105 Resp: 2098441

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.0	66.0

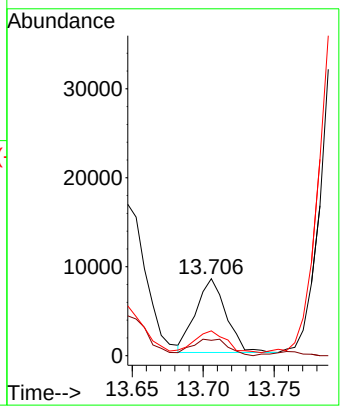




#86
p-Isopropyltoluene
Concen: 0.668 ug/l
RT: 13.706 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:119 Resp: 1229

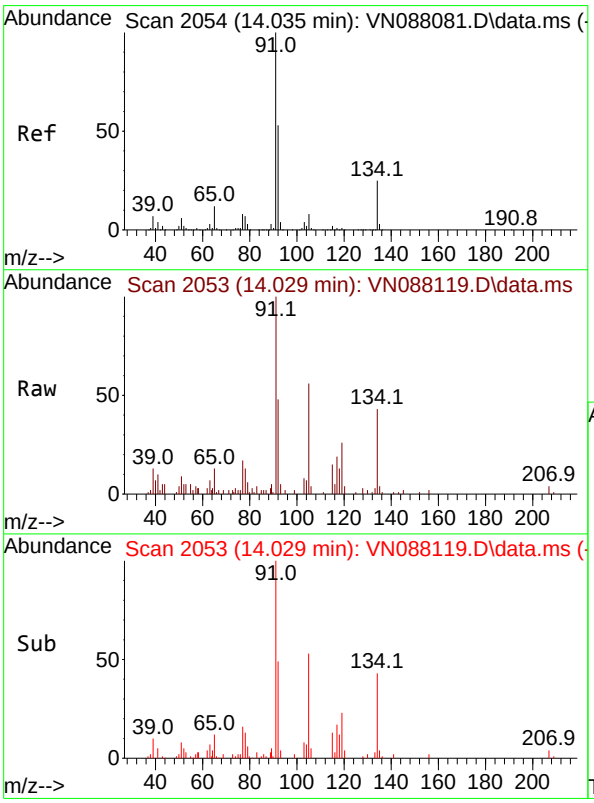
Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.7	38.0
91	0.0	12.5	37.5#



Instrument :
MSVOA_N
ClientSampleId :
TWP5

Manual Integrations
APPROVED

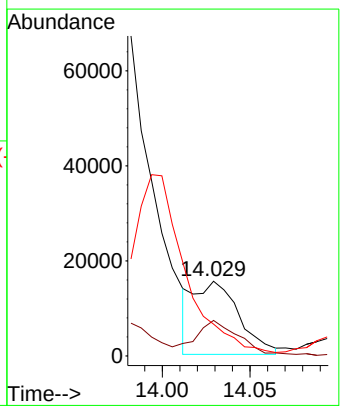
Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

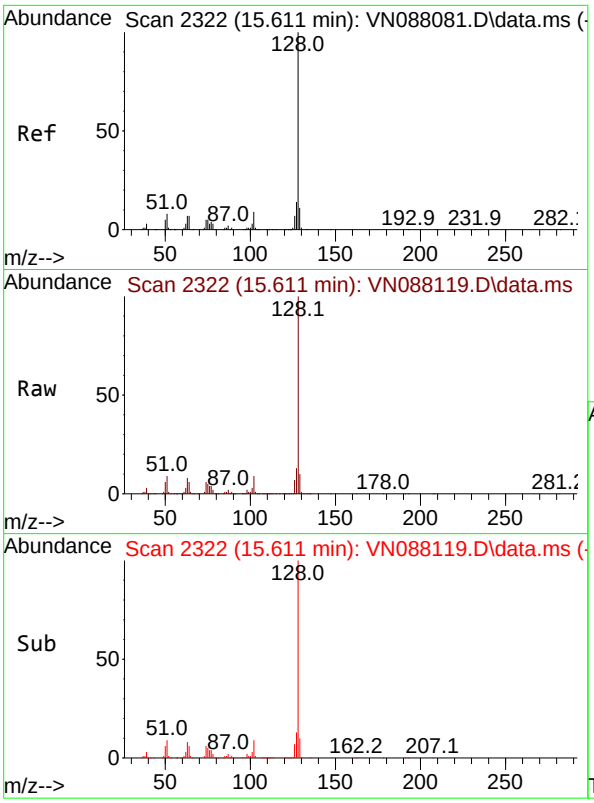


#89
n-Butylbenzene
Concen: 1.510 ug/l m
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion: 91 Resp: 27520

Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.8#
134	0.0	11.7	35.0#

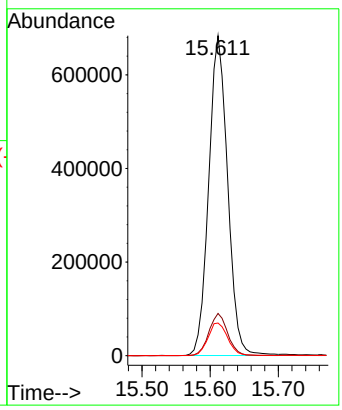




#95
Naphthalene
Concen: 72.968 ug/l
RT: 15.611 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN088119.D
Acq: 27 Oct 2025 16:58

Tgt Ion:128 Resp: 132179

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.7	8.6	12.8



Instrument :
MSVOA_N
ClientSampleId :
TWP5

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Sample Results: **VN088119.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

Signal : TIC: VN088119.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.641	786	797	809	rVB2	24155	74169	1.21%	0.139%
2	7.312	900	911	920	rBV2	102445	299868	4.90%	0.563%
3	7.983	1018	1025	1034	rVB2	39436	98958	1.62%	0.186%
4	8.147	1043	1053	1058	rBV	246929	605630	9.89%	1.137%
5	8.206	1058	1063	1077	rVV2	405211	1267018	20.70%	2.380%
6	8.565	1115	1124	1139	rVV2	300311	828945	13.54%	1.557%
7	8.718	1139	1150	1155	rVV6	52313	149446	2.44%	0.281%
8	8.835	1164	1170	1179	rVB4	29956	73322	1.20%	0.138%
9	9.082	1203	1212	1226	rBV	738317	1584909	25.89%	2.977%
10	9.577	1282	1296	1309	rBV	233341	573240	9.36%	1.077%
11	10.082	1374	1382	1387	rBV	77749	149213	2.44%	0.280%
12	10.429	1434	1441	1446	rBV2	75221	146551	2.39%	0.275%
13	10.547	1453	1461	1468	rBV	974940	1866862	30.49%	3.506%
14	10.606	1468	1471	1480	rVB	43264	81635	1.33%	0.153%
15	10.741	1485	1494	1500	rVV	121262	250222	4.09%	0.470%
16	10.812	1500	1506	1514	rVV	102978	188264	3.08%	0.354%
17	10.965	1526	1532	1541	rVB5	42157	106316	1.74%	0.200%
18	11.841	1673	1681	1691	rBV	1004184	1848575	30.20%	3.472%
19	11.941	1691	1698	1708	rVV	1113774	1889582	30.87%	3.549%
20	12.047	1708	1716	1731	rVV	3057641	6027030	98.45%	11.320%
21	12.376	1761	1772	1783	rBV	579726	1063291	17.37%	1.997%
22	12.670	1813	1822	1830	rBV	208375	369891	6.04%	0.695%
23	12.829	1842	1849	1860	rBV	671330	1272255	20.78%	2.390%
24	13.012	1873	1880	1885	rBV	508907	844677	13.80%	1.586%
25	13.070	1885	1890	1894	rVV	1216444	2183039	35.66%	4.100%
26	13.106	1894	1896	1900	rVV	767394	1124332	18.37%	2.112%
27	13.147	1900	1903	1917	rVB	1028160	1671092	27.30%	3.139%
28	13.312	1923	1931	1940	rBV	727809	1240085	20.26%	2.329%
29	13.459	1947	1956	1970	rBV	3783187	6121976	100.00%	11.498%
30	13.588	1971	1978	1983	rVB2	27346	68333	1.12%	0.128%
31	13.653	1983	1989	1994	rBV	49803	81055	1.32%	0.152%
32	13.770	2002	2009	2011	rBV	1145584	2005117	32.75%	3.766%
33	13.794	2011	2013	2022	rVB	1255536	1754376	28.66%	3.295%
34	13.929	2029	2036	2037	rBV2	148916	213145	3.48%	0.400%
35	13.970	2037	2043	2058	rVV2	1981334	4227279	69.05%	7.940%
36	14.094	2060	2064	2069	rVB2	46394	72726	1.19%	0.137%

Sample Results: **VN088119.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

37	14.159	2069	2075	2080	rBV	94815	154910	2.53%	0.291%
38	14.217	2080	2085	2088	rVV	222031	394060	6.44%	0.740%
39	14.247	2088	2090	2095	rVV	202327	284356	4.64%	0.534%
40	14.306	2095	2100	2106	rVV	427762	696296	11.37%	1.308%
41	14.370	2106	2111	2114	rVV	143399	228544	3.73%	0.429%
42	14.417	2114	2119	2127	rVB	530508	930847	15.21%	1.748%
43	14.553	2136	2142	2147	rBV3	106190	185230	3.03%	0.348%
44	14.629	2148	2155	2158	rBV	283447	465847	7.61%	0.875%
45	14.664	2158	2161	2167	rVB	319231	486284	7.94%	0.913%
46	14.900	2196	2201	2213	rVB	423880	787902	12.87%	1.480%
47	15.023	2213	2222	2229	rBV2	720056	1544491	25.23%	2.901%
48	15.094	2229	2234	2242	rVB5	51701	110633	1.81%	0.208%
49	15.182	2242	2249	2257	rBV4	133274	257424	4.20%	0.483%
50	15.288	2257	2267	2272	rBV3	107550	288880	4.72%	0.543%
51	15.411	2280	2288	2297	rVB3	98106	258718	4.23%	0.486%
52	15.611	2312	2322	2334	rBV	1493296	2901535	47.40%	5.450%
53	15.717	2334	2340	2346	rVV2	65761	133406	2.18%	0.251%
54	15.917	2366	2374	2381	rBV2	42970	95815	1.57%	0.180%
55	16.094	2395	2404	2408	rBV4	25941	65841	1.08%	0.124%
56	16.747	2508	2515	2522	rBV	232565	549218	8.97%	1.032%

Sum of corrected areas: 53242661

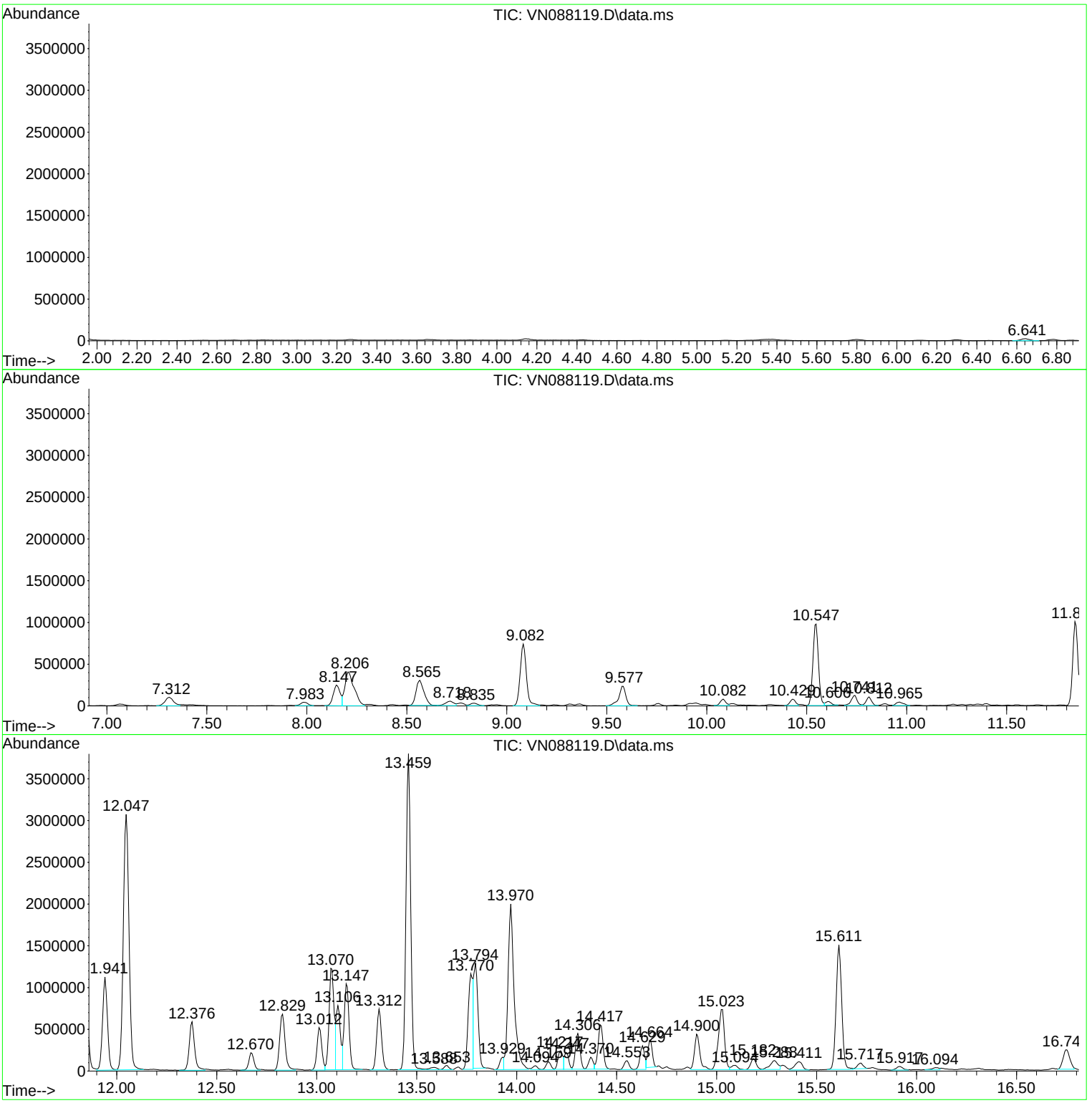
Sample Results: **VN088119.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

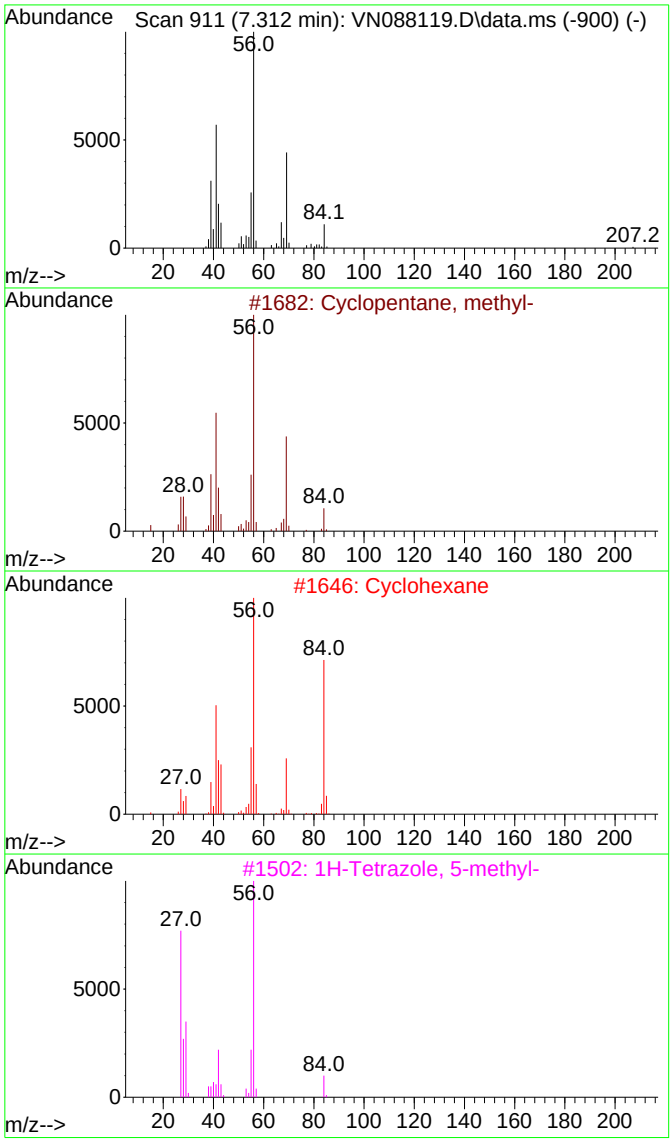
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

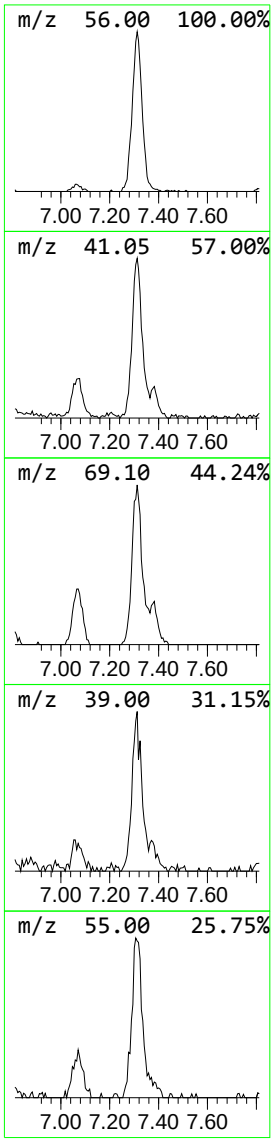
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclopentane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	11.83 ug/l	299868	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	1-Heptene, 6-methyl-	112	C8H16	005026-76-6	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

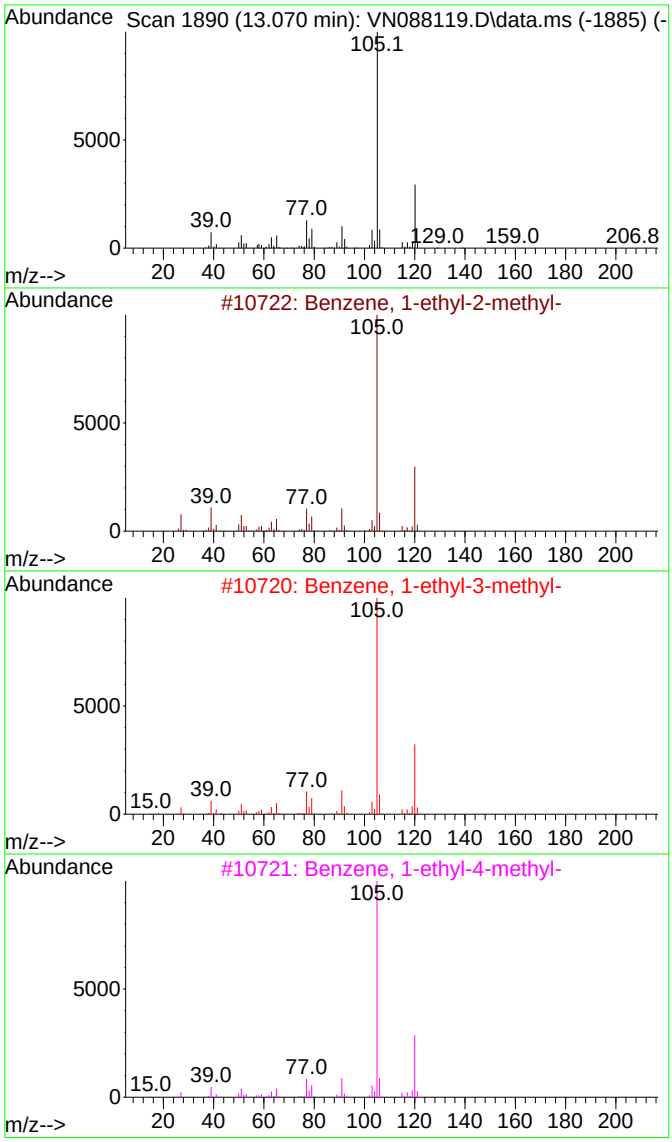
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

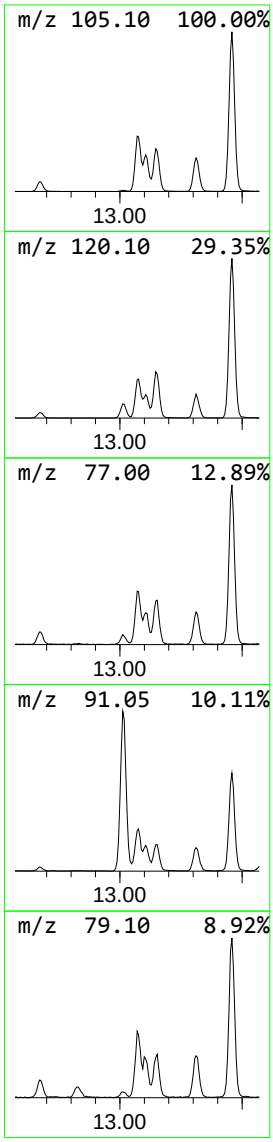
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.070	54.44 ug/l	2183040	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

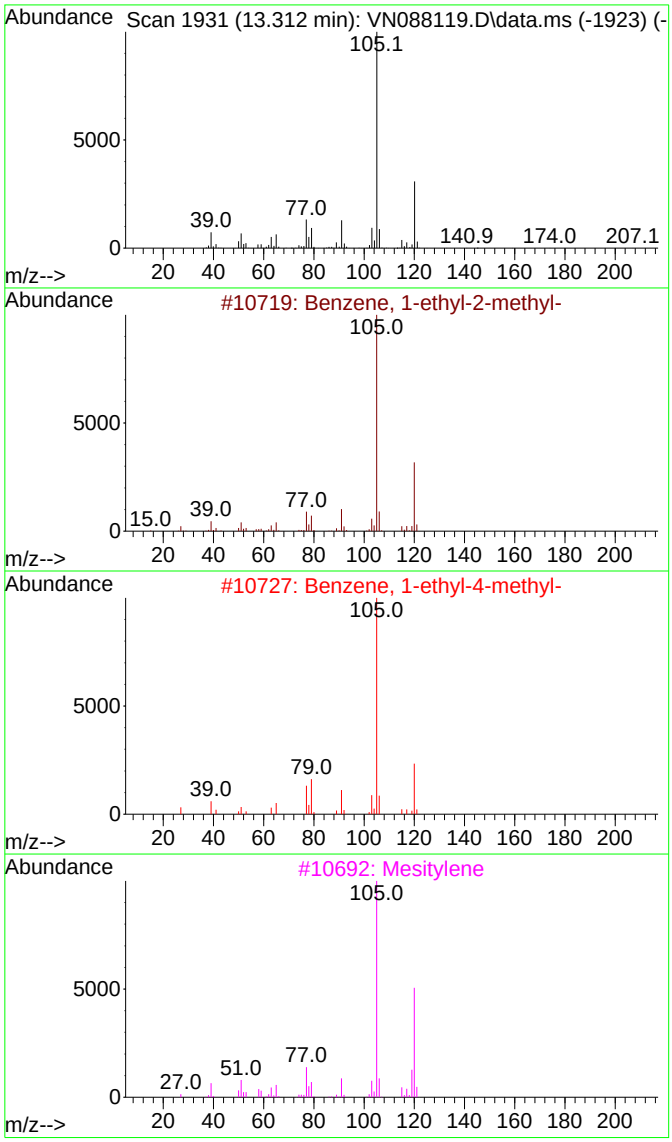
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

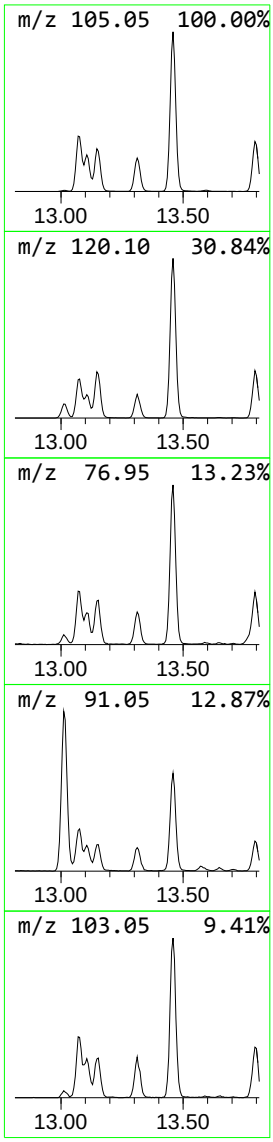
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.312	30.92 ug/l	1240090	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

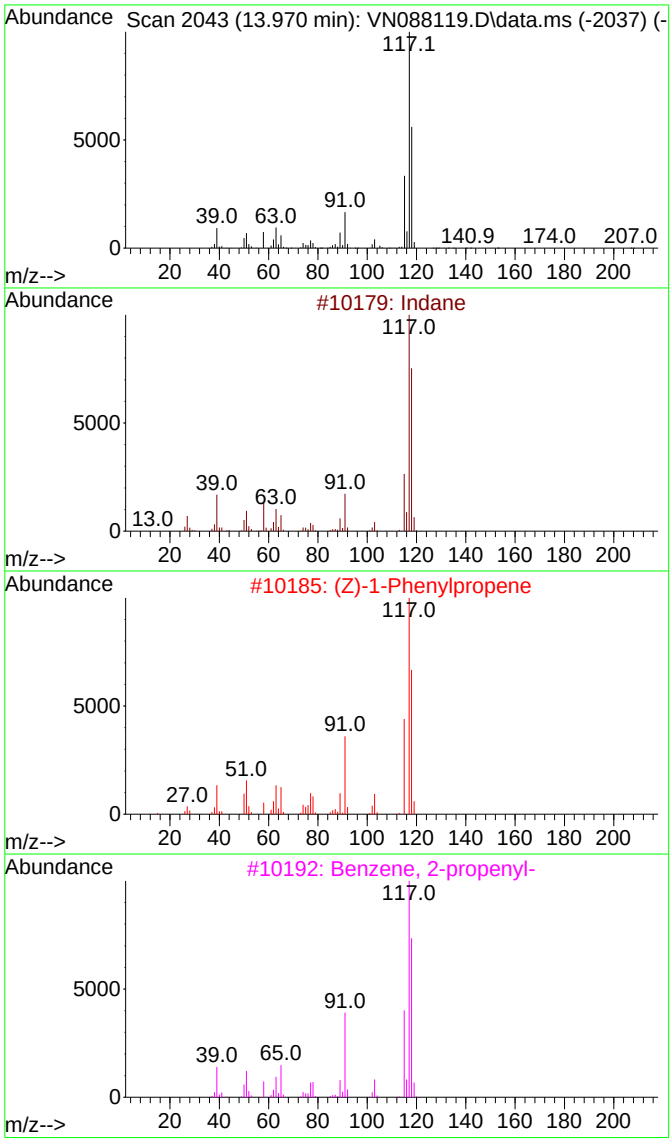
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

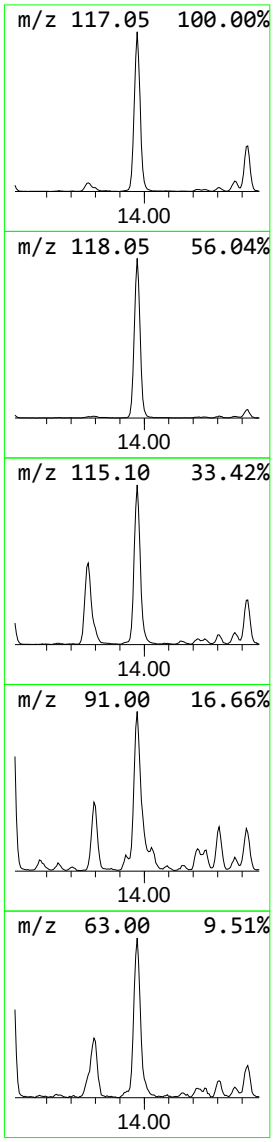
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.970	105.41 ug/l	4227280	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	72
4	Deltacyclene	118	C9H10	007785-10-6	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





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Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

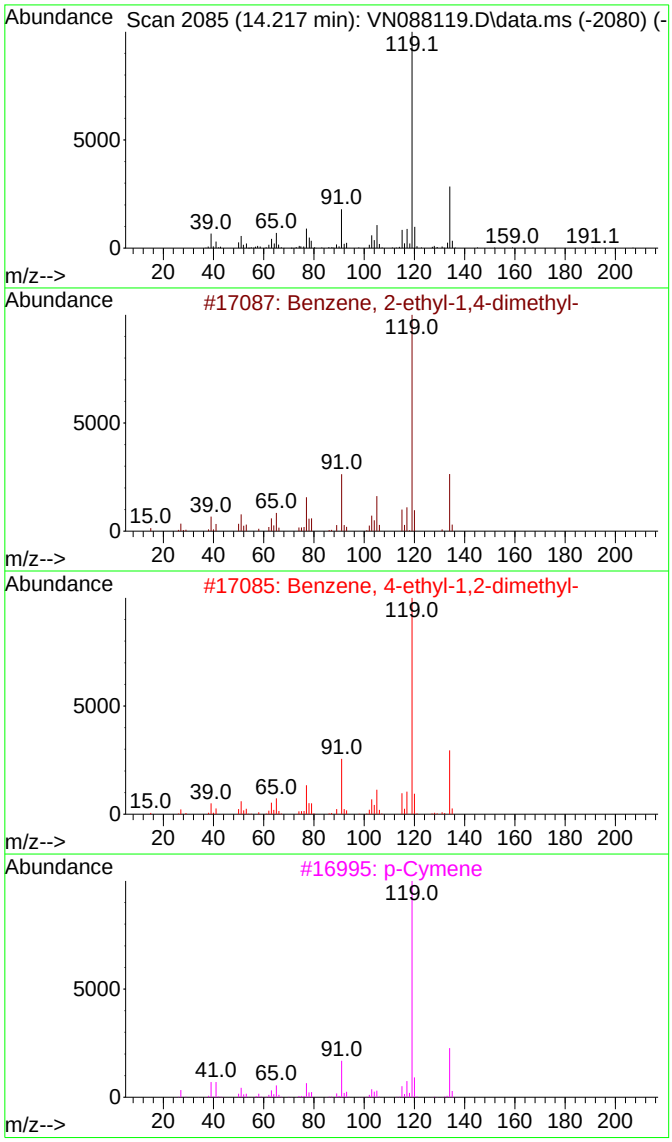
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

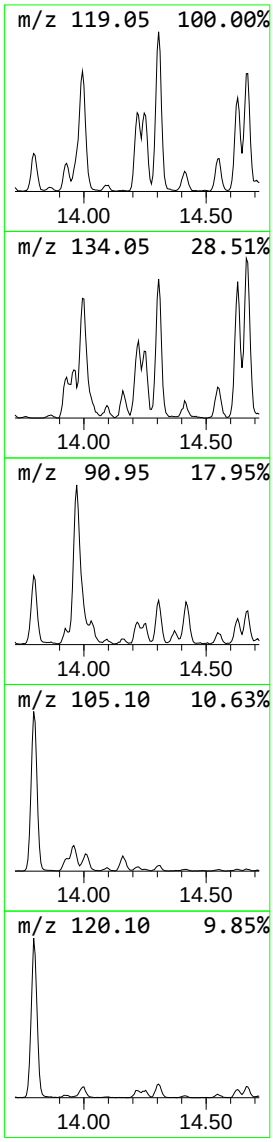
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.217	9.83 ug/l	394060	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

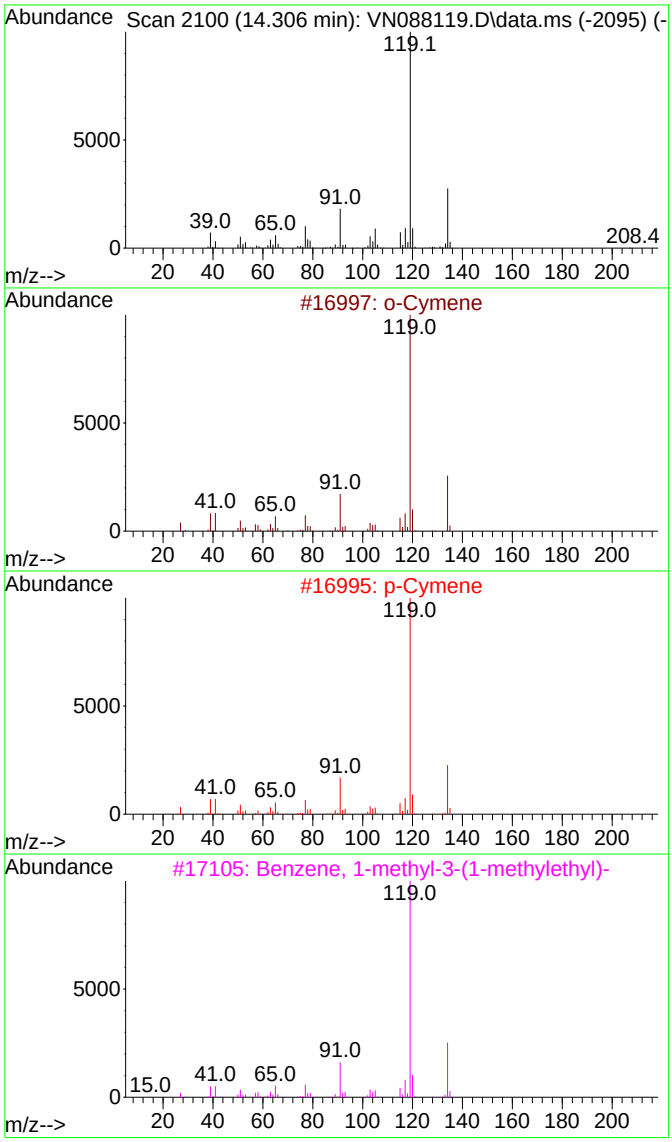
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

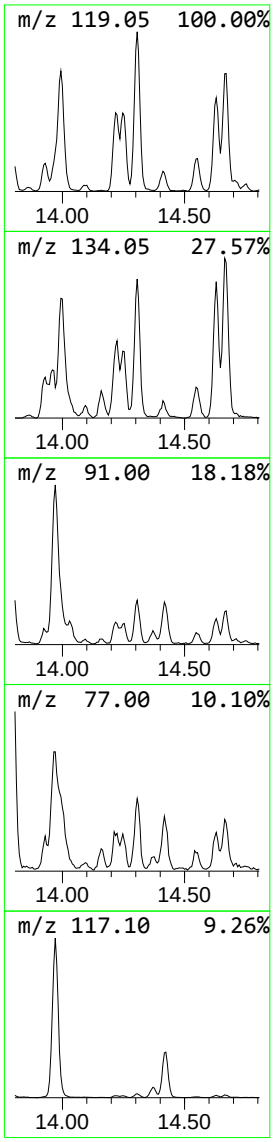
****

Peak Number 8 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	17.36 ug/l	696296	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





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Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

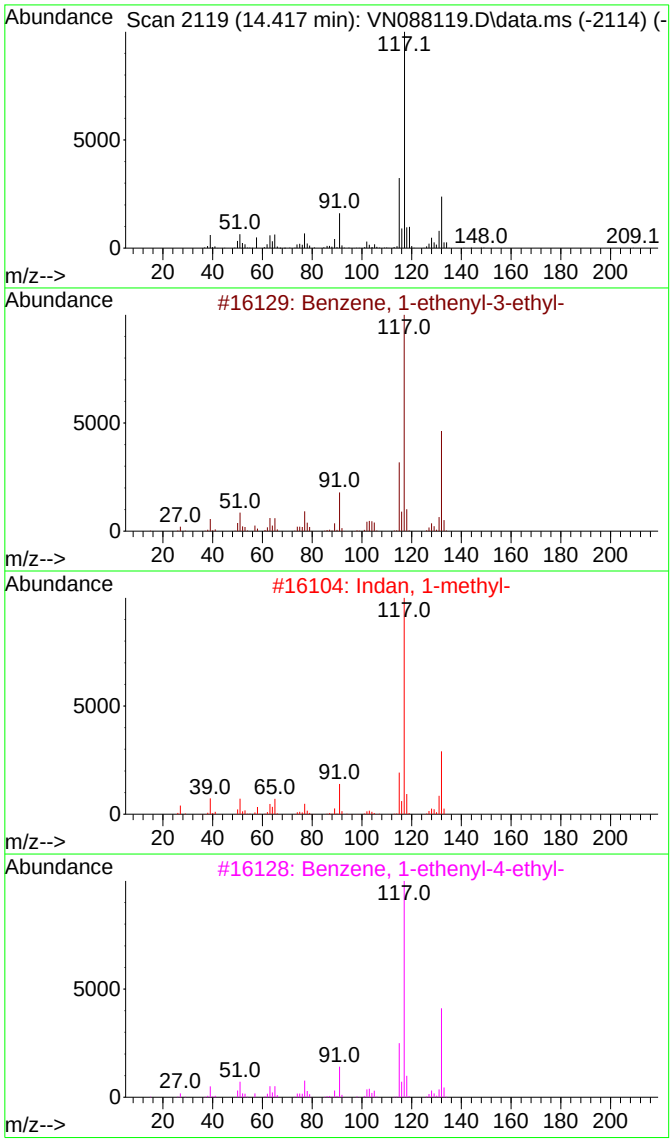
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

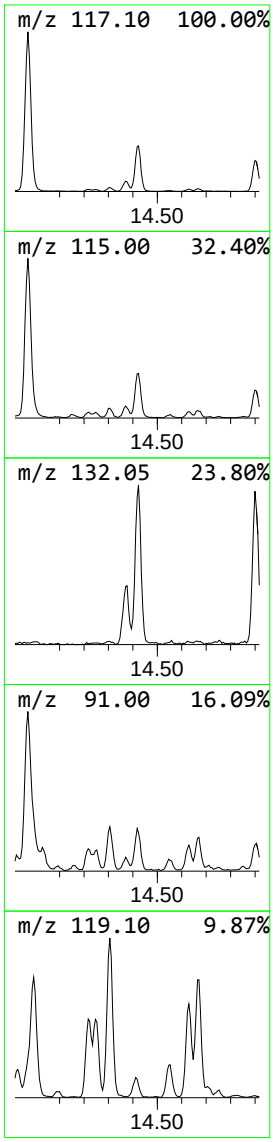
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.417	23.21 ug/l	930847	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	83





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Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

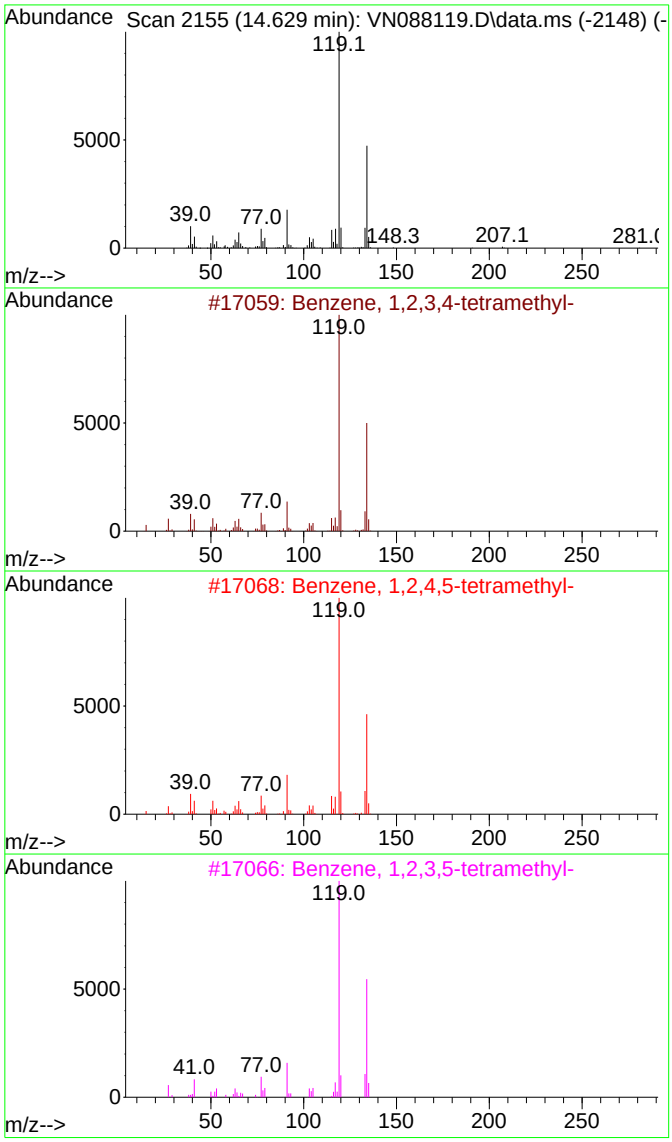
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

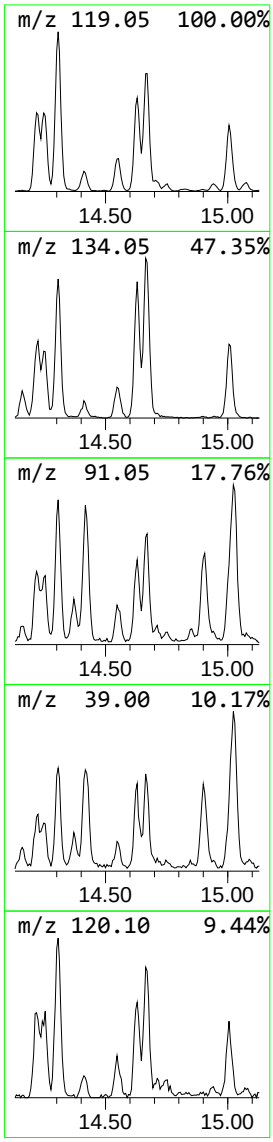
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.629	11.62 ug/l	465847	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

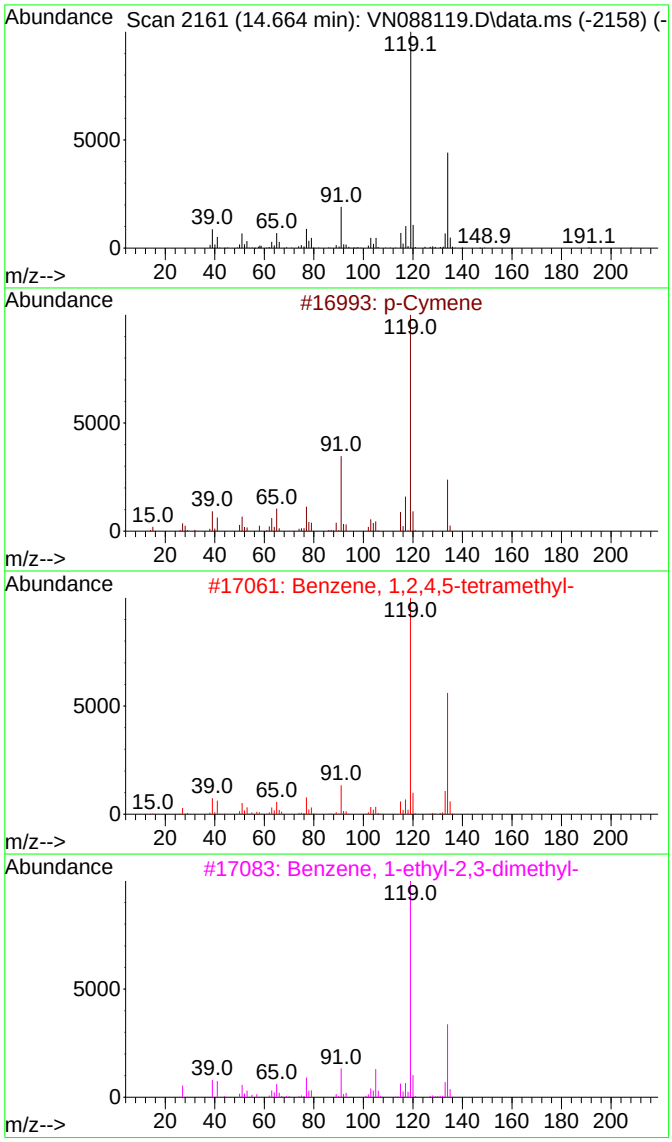
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

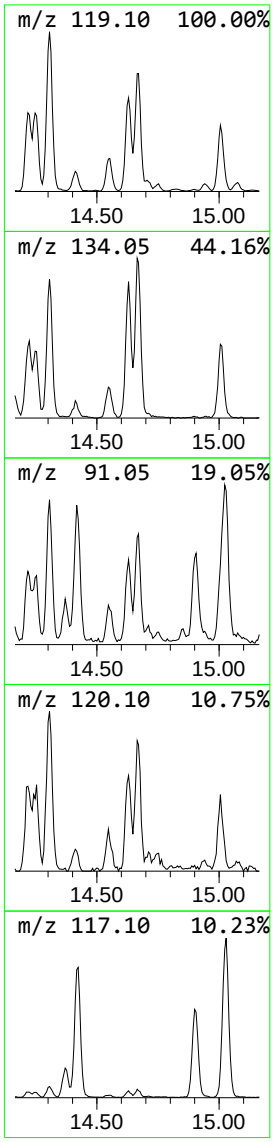
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.665	12.13 ug/l	486284	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

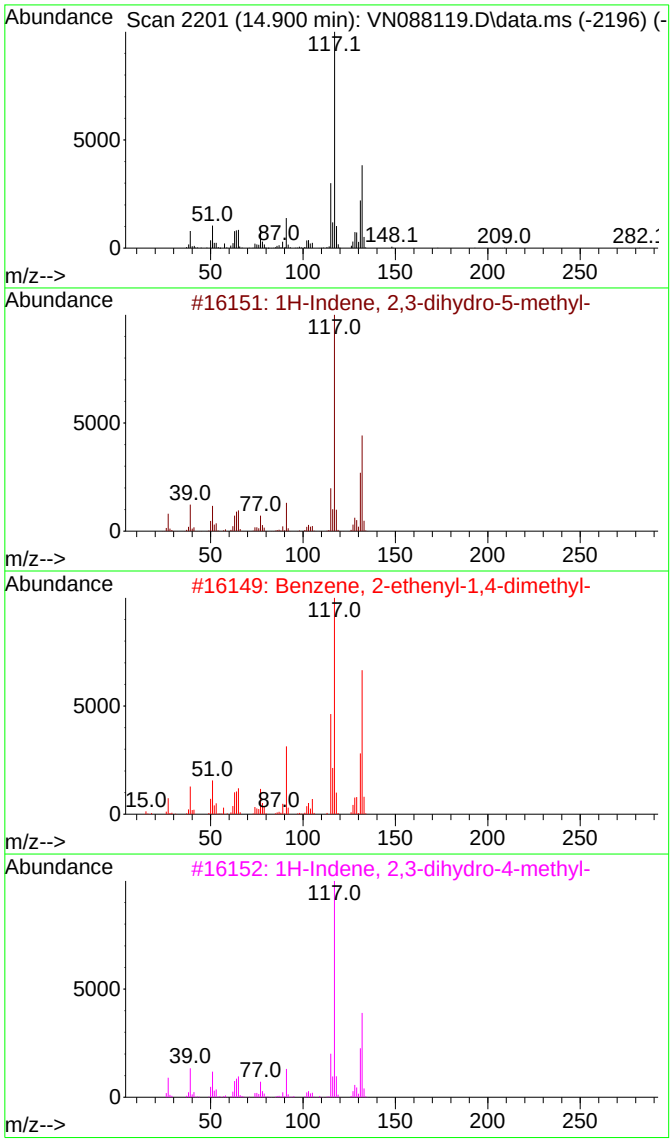
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

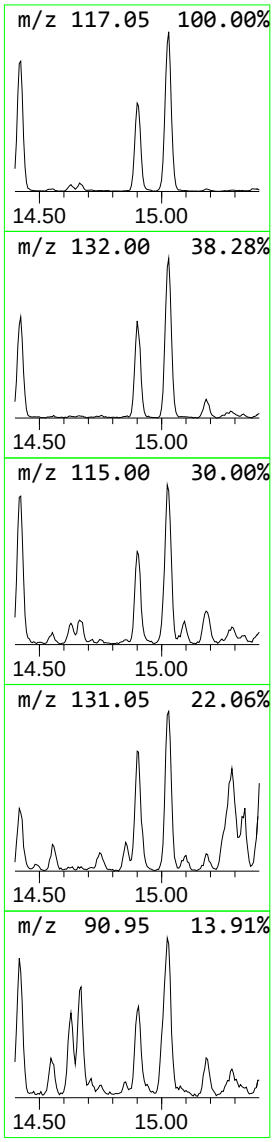
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.900	19.65 ug/l	787902	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	96
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

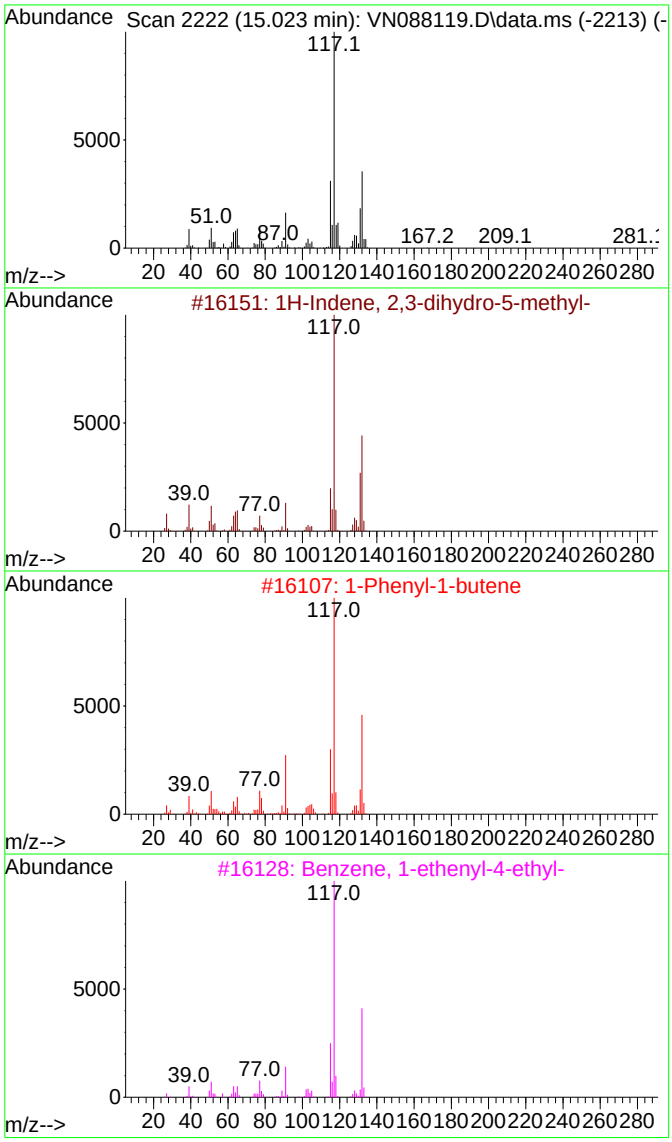
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

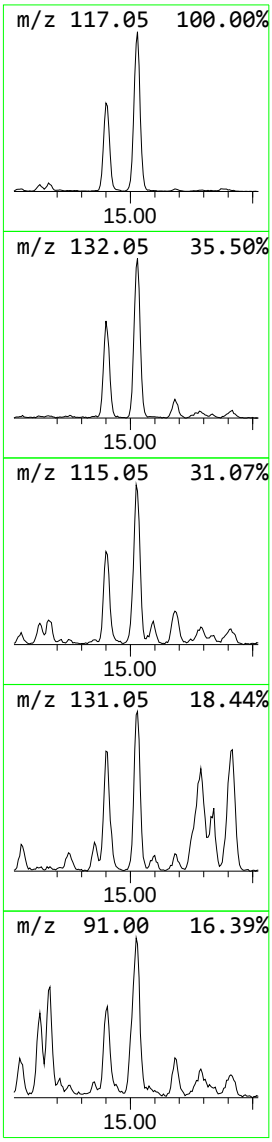
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	38.51 ug/l	1544490	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





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Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

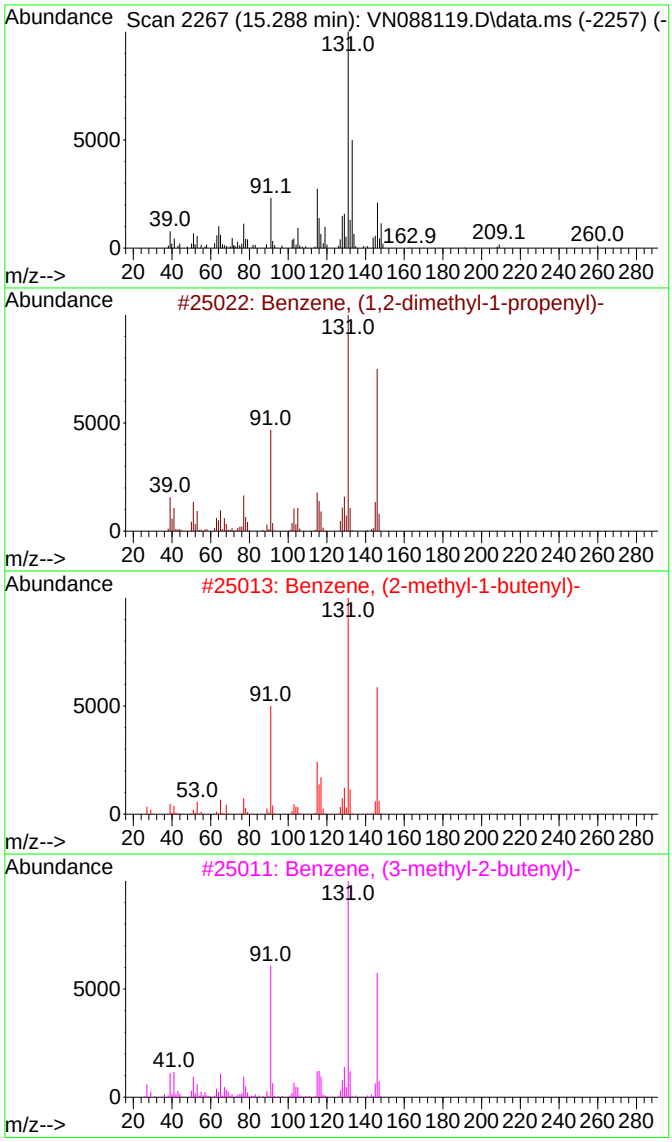
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

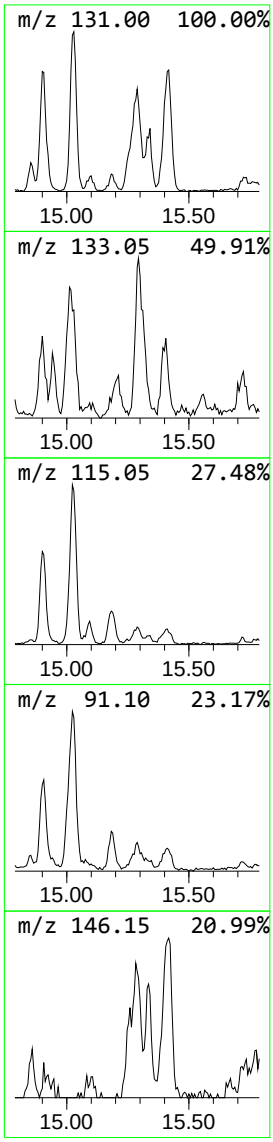
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.288	7.20 ug/l	288880	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	92
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	64





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Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

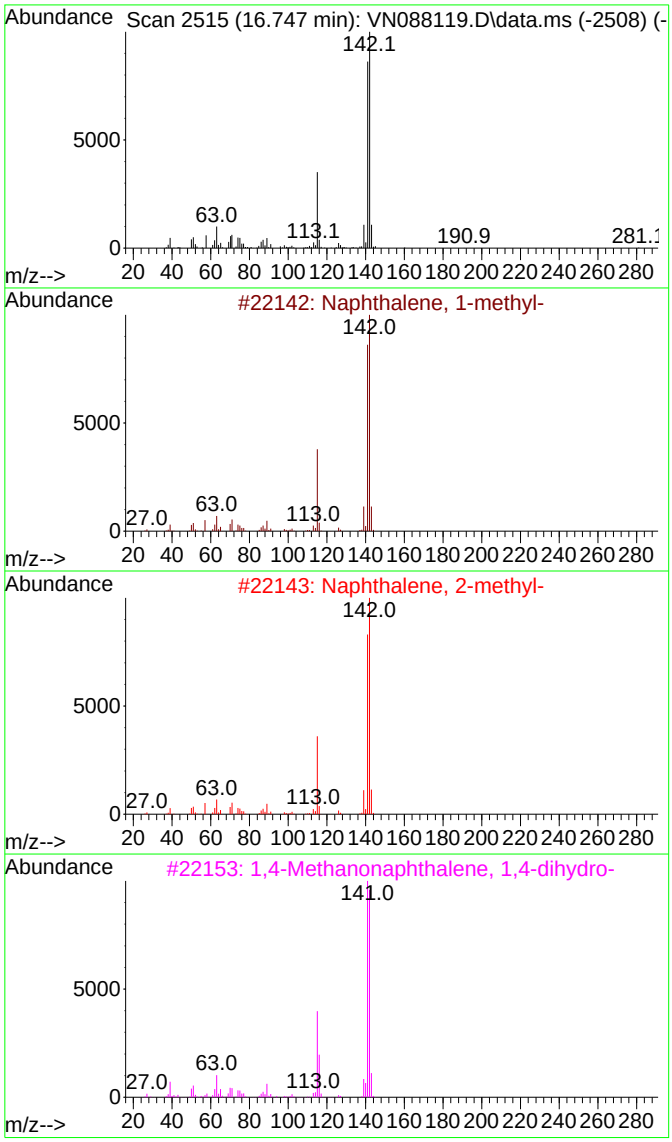
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

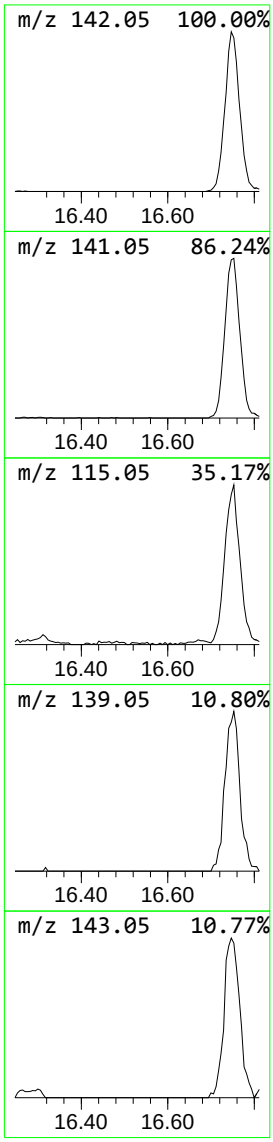
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.747	13.70 ug/l	549218	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088119.D
Acq On : 27 Oct 2025 16:58
Operator : JC\MD
Sample : Q3426-03 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TWP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopentane, m...	7.312	11.8	ug/l	299868	1	8.206	1267020	50.0
Benzene, 1-ethy...	13.070	54.4	ug/l	2183040	4	13.770	2005120	50.0
Benzene, 1-ethy...	13.312	30.9	ug/l	1240090	4	13.770	2005120	50.0
Indane	13.970	105.4	ug/l	4227280	4	13.770	2005120	50.0
Benzene, 2-ethy...	14.217	9.8	ug/l	394060	4	13.770	2005120	50.0
o-Cymene	14.306	17.4	ug/l	696296	4	13.770	2005120	50.0
Benzene, 1-ethe...	14.417	23.2	ug/l	930847	4	13.770	2005120	50.0
Benzene, 1,2,3,...	14.629	11.6	ug/l	465847	4	13.770	2005120	50.0
Benzene, 1,2,4,...	14.665	12.1	ug/l	486284	4	13.770	2005120	50.0
1H-Indene, 2,3-...	14.900	19.6	ug/l	787902	4	13.770	2005120	50.0
1-Phenyl-1-butene	15.023	38.5	ug/l	1544490	4	13.770	2005120	50.0
Benzene, (1,2-d...	15.288	7.2	ug/l	288880	4	13.770	2005120	50.0
Naphthalene, 1-...	16.747	13.7	ug/l	549218	4	13.770	2005120	50.0

Raw Data: **VN088120.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	10/21/25
Project:	Willow			Date Received:	10/22/25
Client Sample ID:	MW2			SDG No.:	Q3426
Lab Sample ID:	Q3426-04			Matrix:	Water
Analytical Method:	8260D	Level :	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2.20	U	10	2.20	10.0	ug/L	10/27/25 17:19	VN102725
74-87-3	Chloromethane	3.20	U	10	3.20	10.0	ug/L	10/27/25 17:19	VN102725
75-01-4	Vinyl Chloride	2.60	U	10	2.60	10.0	ug/L	10/27/25 17:19	VN102725
74-83-9	Bromomethane	14.4	U	10	14.4	50.0	ug/L	10/27/25 17:19	VN102725
75-00-3	Chloroethane	4.70	U	10	4.70	10.0	ug/L	10/27/25 17:19	VN102725
75-69-4	Trichlorofluoromethane	3.30	U	10	3.30	10.0	ug/L	10/27/25 17:19	VN102725
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	10	2.50	10.0	ug/L	10/27/25 17:19	VN102725
75-65-0	Tert butyl alcohol	55.1	U	10	55.1	250	ug/L	10/27/25 17:19	VN102725
75-35-4	1,1-Dichloroethene	2.30	U	10	2.30	10.0	ug/L	10/27/25 17:19	VN102725
67-64-1	Acetone	77.8		10	15.1	50.0	ug/L	10/27/25 17:19	VN102725
75-15-0	Carbon Disulfide	2.10	U	10	2.10	10.0	ug/L	10/27/25 17:19	VN102725
1634-04-4	Methyl tert-butyl Ether	1.60	U	10	1.60	10.0	ug/L	10/27/25 17:19	VN102725
79-20-9	Methyl Acetate	2.70	U	10	2.70	10.0	ug/L	10/27/25 17:19	VN102725
75-09-2	Methylene Chloride	2.80	UQ	10	2.80	10.0	ug/L	10/27/25 17:19	VN102725
156-60-5	trans-1,2-Dichloroethene	2.30	U	10	2.30	10.0	ug/L	10/27/25 17:19	VN102725
75-34-3	1,1-Dichloroethane	2.30	U	10	2.30	10.0	ug/L	10/27/25 17:19	VN102725
110-82-7	Cyclohexane	680		10	14.5	50.0	ug/L	10/27/25 17:19	VN102725
78-93-3	2-Butanone	9.80	U	10	9.80	50.0	ug/L	10/27/25 17:19	VN102725
56-23-5	Carbon Tetrachloride	2.50	U	10	2.50	10.0	ug/L	10/27/25 17:19	VN102725
156-59-2	cis-1,2-Dichloroethene	1.90	U	10	1.90	10.0	ug/L	10/27/25 17:19	VN102725
74-97-5	Bromochloromethane	2.20	UQ	10	2.20	10.0	ug/L	10/27/25 17:19	VN102725
67-66-3	Chloroform	2.50	UQ	10	2.50	10.0	ug/L	10/27/25 17:19	VN102725
71-55-6	1,1,1-Trichloroethane	2.00	UQ	10	2.00	10.0	ug/L	10/27/25 17:19	VN102725
108-87-2	Methylcyclohexane	390		10	1.60	10.0	ug/L	10/27/25 17:19	VN102725
71-43-2	Benzene	560		10	1.50	10.0	ug/L	10/27/25 17:19	VN102725
107-06-2	1,2-Dichloroethane	2.20	UQ	10	2.20	10.0	ug/L	10/27/25 17:19	VN102725
79-01-6	Trichloroethene	0.93	U	10	0.93	10.0	ug/L	10/27/25 17:19	VN102725
78-87-5	1,2-Dichloropropane	2.00	UQ	10	2.00	10.0	ug/L	10/27/25 17:19	VN102725
75-27-4	Bromodichloromethane	2.20	UQ	10	2.20	10.0	ug/L	10/27/25 17:19	VN102725
108-10-1	4-Methyl-2-Pentanone	6.80	UQ	10	6.80	50.0	ug/L	10/27/25 17:19	VN102725
108-88-3	Toluene	38.2		10	1.40	10.0	ug/L	10/27/25 17:19	VN102725
10061-02-6	t-1,3-Dichloropropene	1.70	UQ	10	1.70	10.0	ug/L	10/27/25 17:19	VN102725
10061-01-5	cis-1,3-Dichloropropene	1.60	UQ	10	1.60	10.0	ug/L	10/27/25 17:19	VN102725
79-00-5	1,1,2-Trichloroethane	2.10	U	10	2.10	10.0	ug/L	10/27/25 17:19	VN102725
591-78-6	2-Hexanone	8.90	UQ	10	8.90	50.0	ug/L	10/27/25 17:19	VN102725
124-48-1	Dibromochloromethane	1.80	U	10	1.80	10.0	ug/L	10/27/25 17:19	VN102725
106-93-4	1,2-Dibromoethane	1.50	UQ	10	1.50	10.0	ug/L	10/27/25 17:19	VN102725
127-18-4	Tetrachloroethene	2.30	U	10	2.30	10.0	ug/L	10/27/25 17:19	VN102725
108-90-7	Chlorobenzene	1.20	U	10	1.20	10.0	ug/L	10/27/25 17:19	VN102725
100-41-4	Ethyl Benzene	56.4		10	1.30	10.0	ug/L	10/27/25 17:19	VN102725
179601-23-1	m/p-Xylenes	98.1		10	2.40	20.0	ug/L	10/27/25 17:19	VN102725
95-47-6	o-Xylene	8.70	J	10	1.20	10.0	ug/L	10/27/25 17:19	VN102725
100-42-5	Styrene	1.50	U	10	1.50	10.0	ug/L	10/27/25 17:19	VN102725

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	10/21/25
Project:	Willow	Date Received:	10/22/25
Client Sample ID:	MW2	SDG No.:	Q3426
Lab Sample ID:	Q3426-04	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	1.90	UQ	10	1.90	10.0	ug/L	10/27/25 17:19	VN102725
98-82-8	Isopropylbenzene	83.2		10	1.20	10.0	ug/L	10/27/25 17:19	VN102725
79-34-5	1,1,2,2-Tetrachloroethane	2.60	U	10	2.60	10.0	ug/L	10/27/25 17:19	VN102725
95-63-6	1,2,4-Trimethylbenzene	23.9		10	1.40	10.0	ug/L	10/27/25 17:19	VN102725
541-73-1	1,3-Dichlorobenzene	1.60	U	10	1.60	10.0	ug/L	10/27/25 17:19	VN102725
106-46-7	1,4-Dichlorobenzene	1.90	U	10	1.90	10.0	ug/L	10/27/25 17:19	VN102725
95-50-1	1,2-Dichlorobenzene	1.60	U	10	1.60	10.0	ug/L	10/27/25 17:19	VN102725
96-12-8	1,2-Dibromo-3-Chloropropane	5.30	UQ	10	5.30	10.0	ug/L	10/27/25 17:19	VN102725
120-82-1	1,2,4-Trichlorobenzene	2.00	U	10	2.00	10.0	ug/L	10/27/25 17:19	VN102725
87-61-6	1,2,3-Trichlorobenzene	2.00	U	10	2.00	10.0	ug/L	10/27/25 17:19	VN102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.6			74 - 125	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.9			75 - 124	98%	SPK: 50		
2037-26-5	Toluene-d8	45.8			86 - 113	92%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.5			77 - 121	105%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	258000							
540-36-3	1,4-Difluorobenzene	580000							
3114-55-4	Chlorobenzene-d5	561000							
3855-82-1	1,4-Dichlorobenzene-d4	281000							
TENTATIVE IDENTIFIED COMPOUNDS									
000930-18-7	Cyclopropane, 1,2-dimethyl-, cis-	90.0	J			4.15	ug/L		
000691-38-3	2-Pentene, 4-methyl-, (Z)-	89.0	J			6.64	ug/L		
000096-37-7	Cyclopentane, methyl-	310	J			7.31	ug/L		
000693-89-0	Cyclopentene, 1-methyl-	120	J			7.99	ug/L		
000110-83-8	Cyclohexene	160	J			8.71	ug/L		
001528-22-9	Cyclobutane, (1-methylethylidene)-	110	J			10.1	ug/L		
028823-41-8	2,4-Hexadiene, 2-methyl-	120	J			10.4	ug/L		
103-65-1	n-propylbenzene	150	J			13.0	ug/L		
108-67-8	1,3,5-Trimethylbenzene	47.7	J			13.2	ug/L		
000611-14-3	Benzene, 1-ethyl-2-methyl-	80.2	J			13.3	ug/L		
135-98-8	sec-Butylbenzene	7.00	J			13.6	ug/L		
99-87-6	p-Isopropyltoluene	5.20	J			13.7	ug/L		
104-51-8	n-Butylbenzene	9.40	J			14.0	ug/L		
003479-89-8	1,3,5-Cycloheptatriene, 3,7,7-trim	91.8	J			14.3	ug/L		
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	130	J			14.4	ug/L		
000824-63-5	1H-Indene, 2,3-dihydro-2-methyl-	93.1	J			14.9	ug/L		
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	200	J			15.0	ug/L		
91-20-3	Naphthalene	36.0	J			15.6	ug/L		

Raw Data: **VN088120.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	10/21/25
Project:	Willow			Date Received:	10/22/25
Client Sample ID:	MW2			SDG No.:	Q3426
Lab Sample ID:	Q3426-04			Matrix:	Water
Analytical Method:	8260D	Level :	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

Quant Time: Oct 28 01:30:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

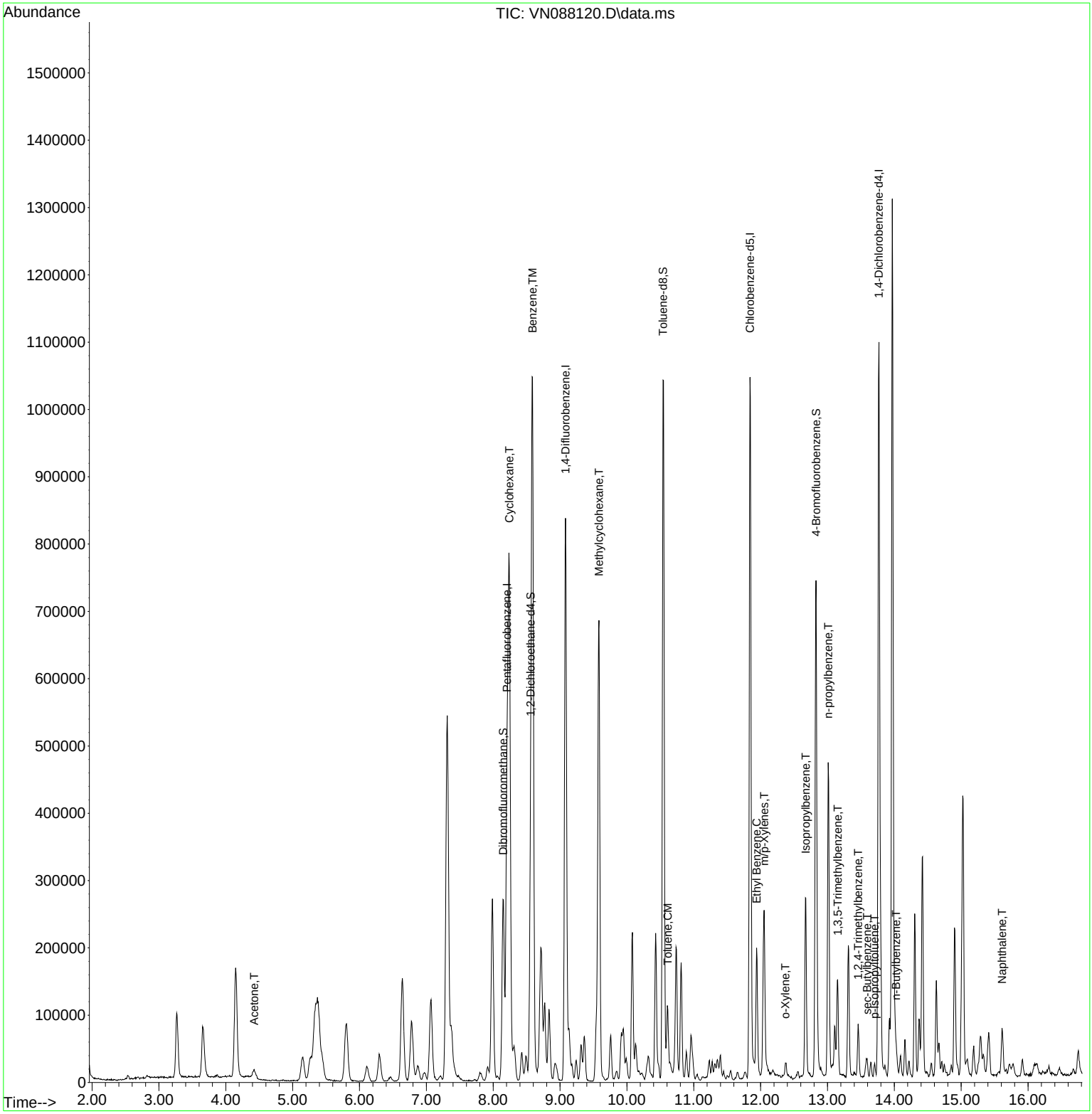
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	257811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	580168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	561441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	281349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	269979	60.559	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.120%			
35) Dibromofluoromethane	8.147	113	190513	48.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.760%			
50) Toluene-d8	10.541	98	687552	45.782	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.560%			
62) 4-Bromofluorobenzene	12.829	95	278511	52.511	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.020%			
Target Compounds						Qvalue
16) Acetone	4.424	43	17419	7.777	ug/l	90
31) Cyclohexane	8.241	56	422101	67.640	ug/l	98
39) Methylcyclohexane	9.582	83	283403	38.743	ug/l	98
40) Benzene	8.588	78	970391	55.990	ug/l	99
52) Toluene	10.612	92	40821	3.820	ug/l	96
67) Ethyl Benzene	11.941	91	126260	5.642	ug/l	98
68) m/p-Xylenes	12.053	106	82223	9.807	ug/l	98
69) o-Xylene	12.371	106	6889	0.867	ug/l	84
73) Isopropylbenzene	12.676	105	180436	8.315	ug/l	99
78) n-propylbenzene	13.012	91	390222	14.736	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	86009	4.773	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	43111	2.391	ug/l	96
85) sec-Butylbenzene	13.594	105	16466	0.696	ug/l #	62
86) p-Isopropyltoluene	13.706	119	9936	0.524	ug/l	95
89) n-Butylbenzene	14.029	91	17697	0.942	ug/l #	81
95) Naphthalene	15.611	128	67226	3.599	ug/l	97

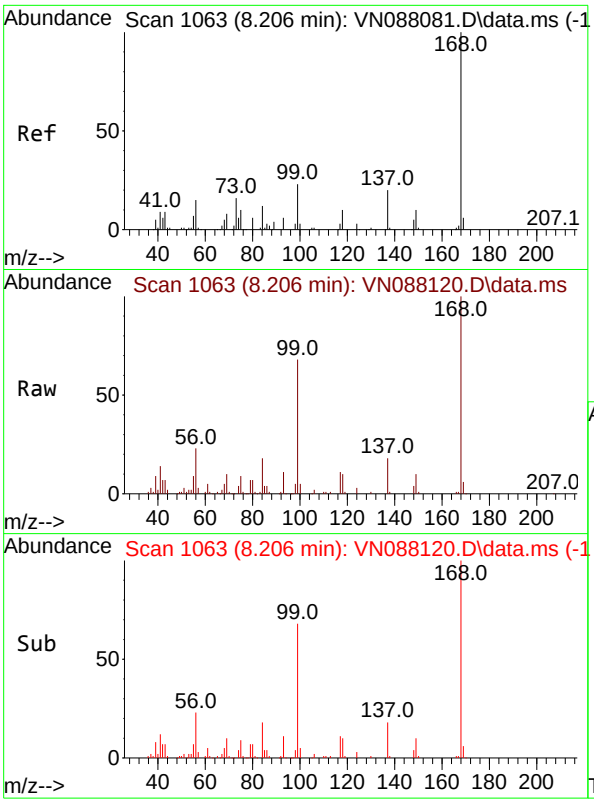
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

Quant Time: Oct 28 01:30:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration



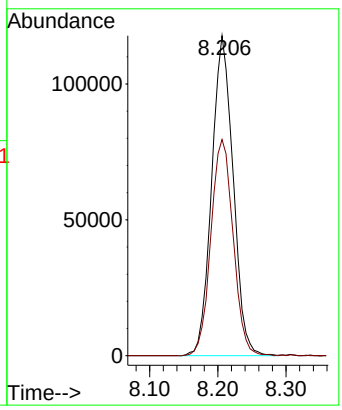


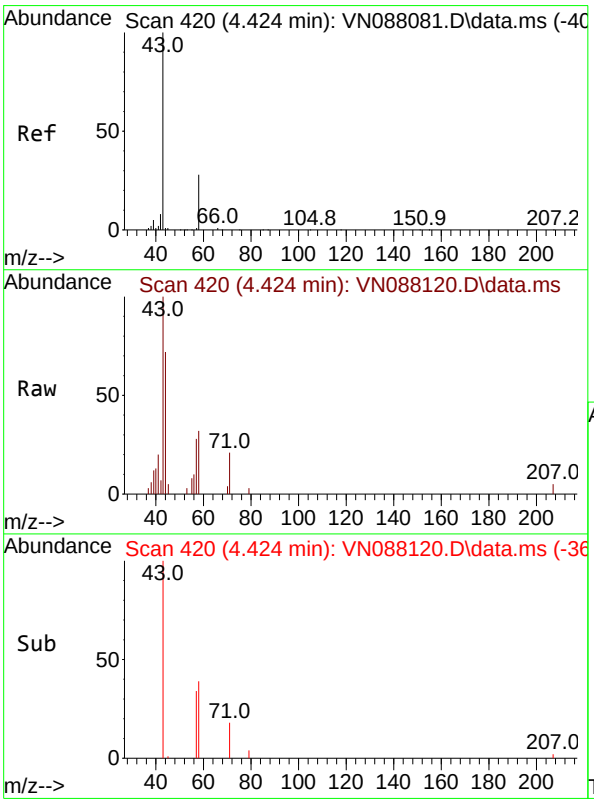
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion:168 Resp: 257811

Ion	Ratio	Lower	Upper
168	100		
99	67.5	57.2	85.8

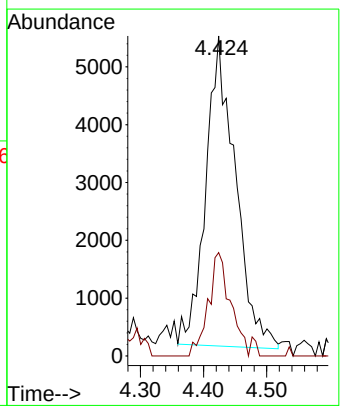


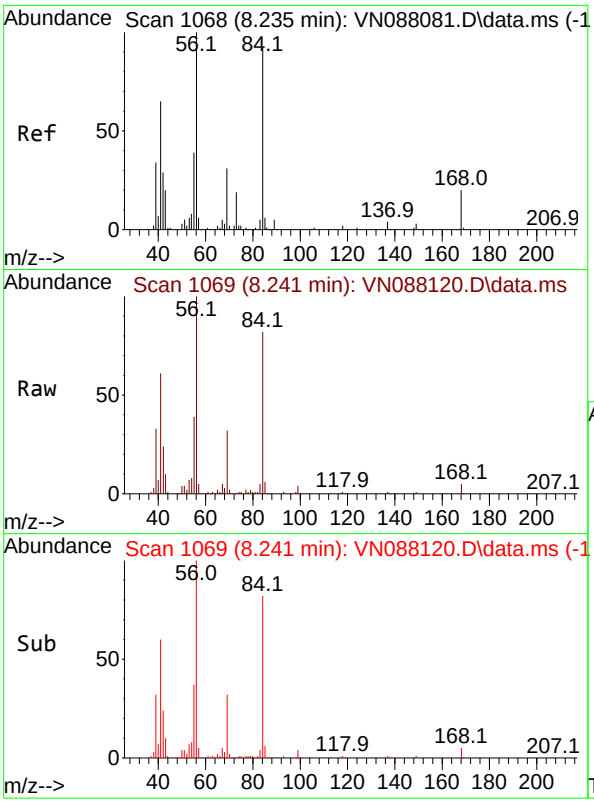


#16
Acetone
Concen: 7.777 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion: 43 Resp: 17419

Ion	Ratio	Lower	Upper
43	100		
58	33.6	22.6	33.8



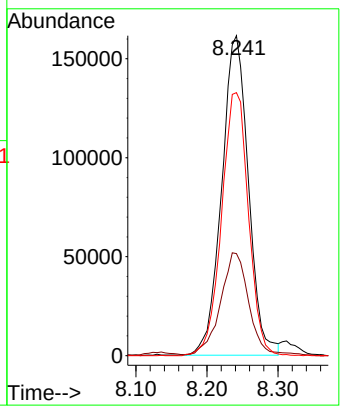


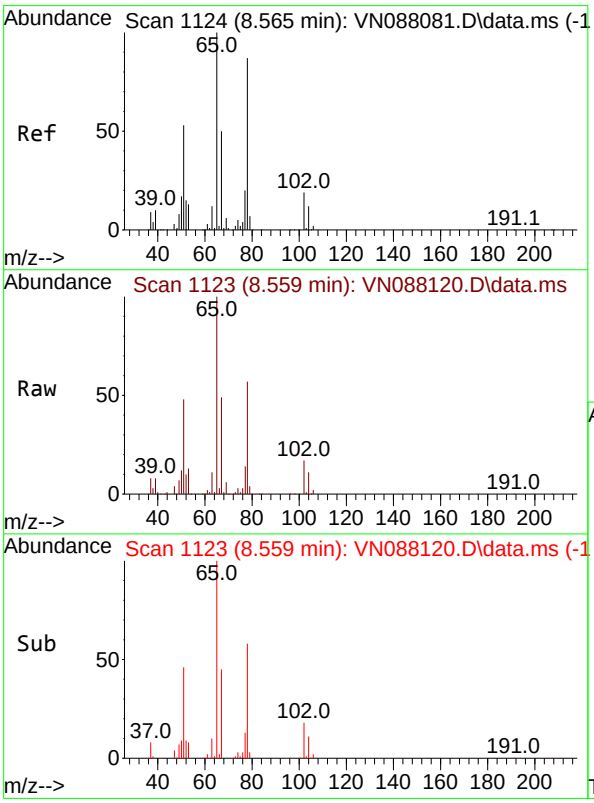
#31
Cyclohexane
Concen: 67.640 ug/l
RT: 8.241 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 56 Resp: 422101

Ion	Ratio	Lower	Upper
56	100		
69	31.4	23.7	35.5
84	82.4	64.7	97.1

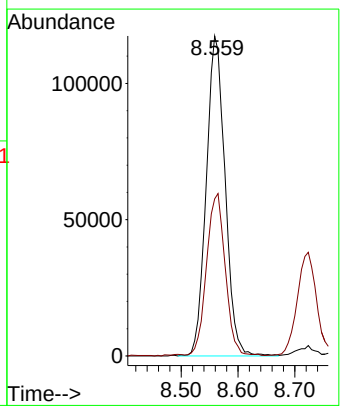


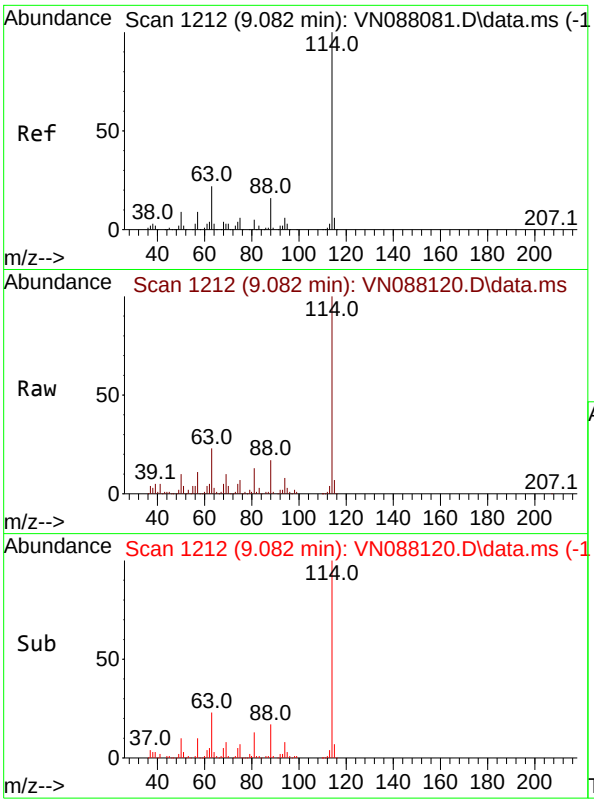


#33
1,2-Dichloroethane-d4
Concen: 60.559 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion: 65 Resp: 269979

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	100.0



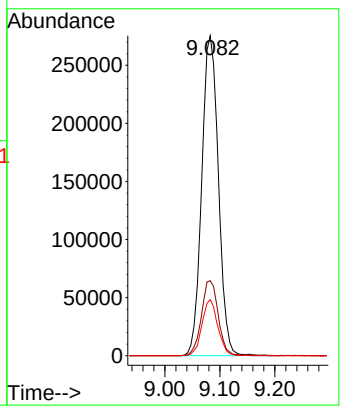


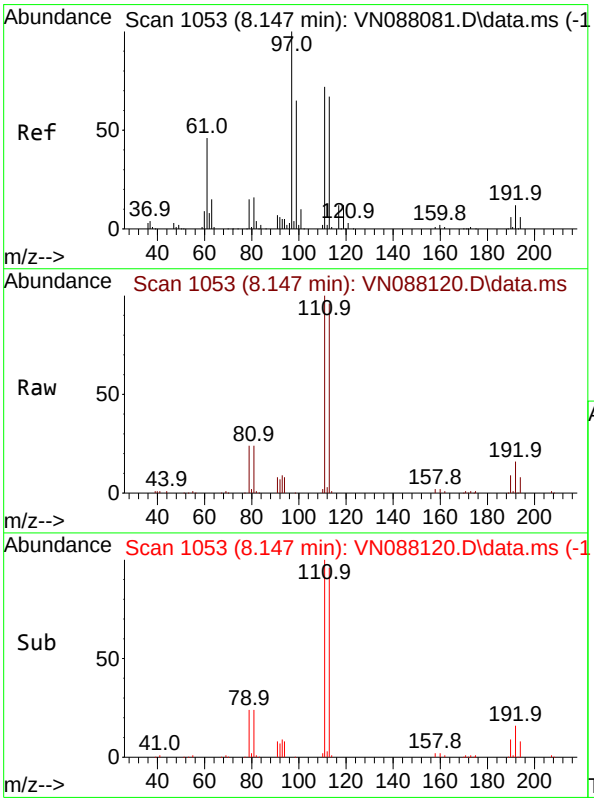
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion:114 Resp: 580168

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	45.2
88	17.5	0.0	33.4

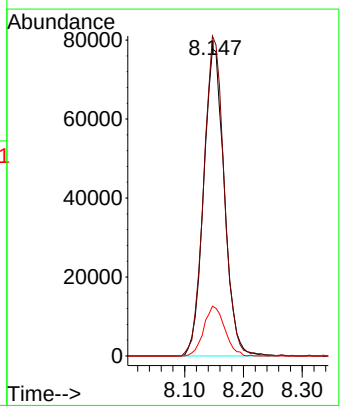


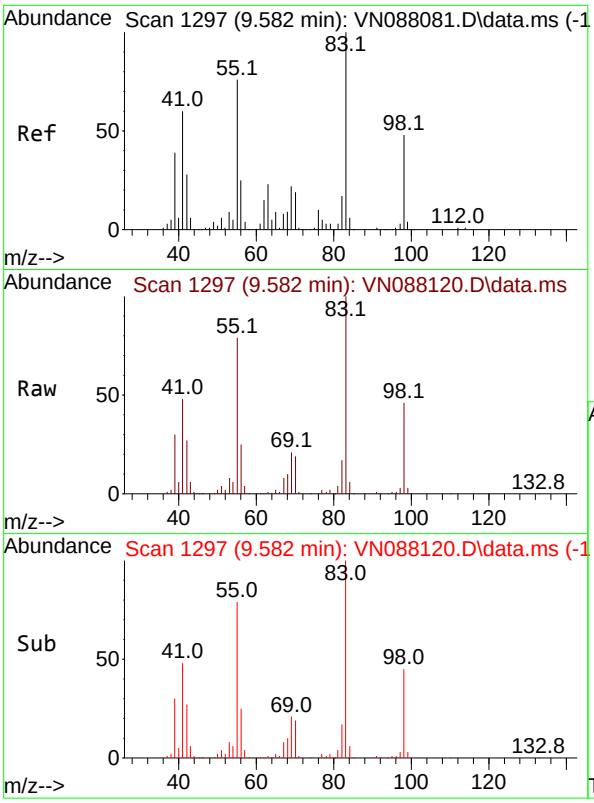


#35
Dibromofluoromethane
Concen: 48.880 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion:113 Resp: 190513

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	16.3	12.8	19.2



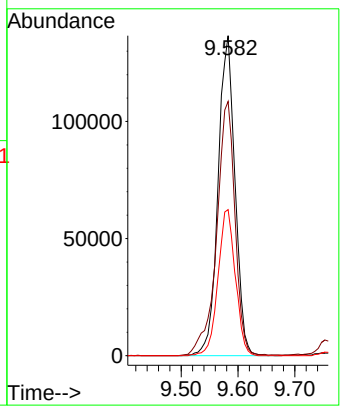


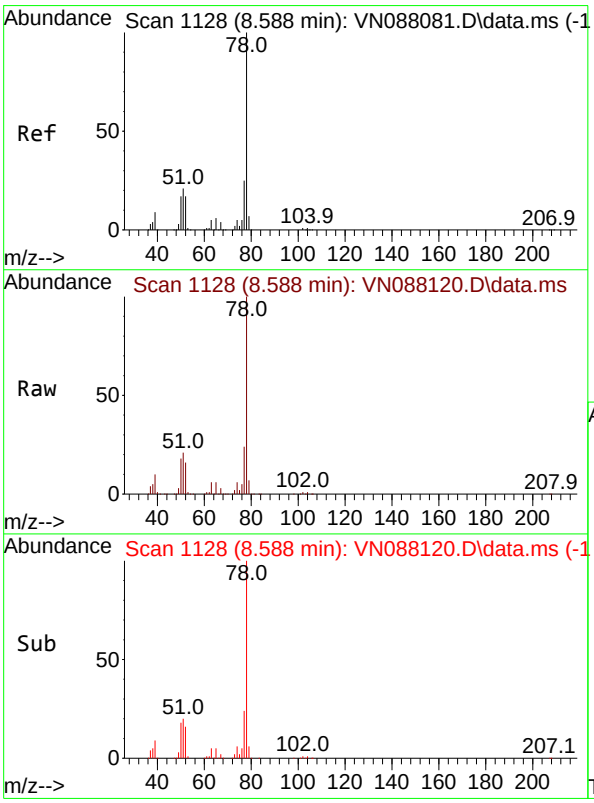
#39
Methylcyclohexane
Concen: 38.743 ug/l
RT: 9.582 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 83 Resp: 283403

Ion	Ratio	Lower	Upper
83	100		
55	79.4	64.6	96.8
98	45.6	38.4	57.6

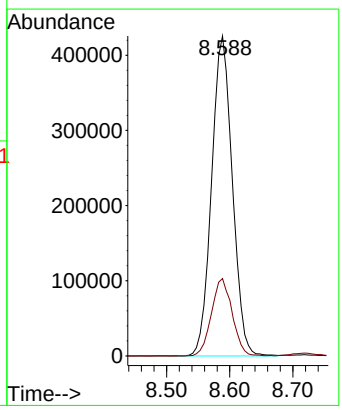


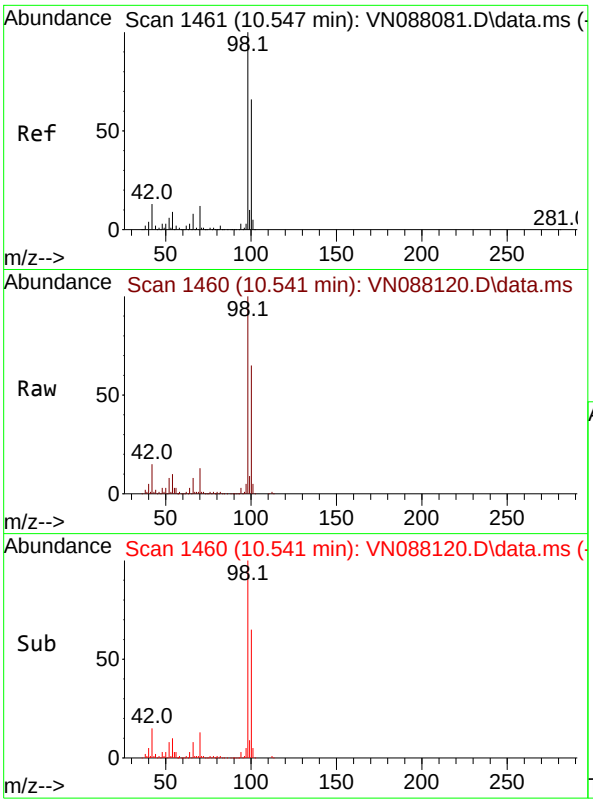


#40
Benzene
Concen: 55.990 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion: 78 Resp: 970391

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.7	29.5



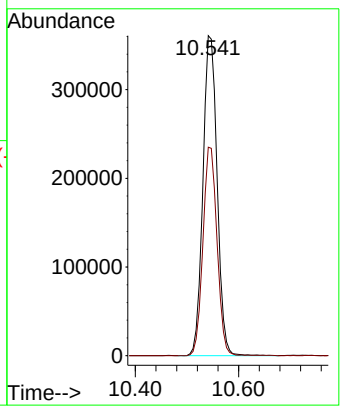


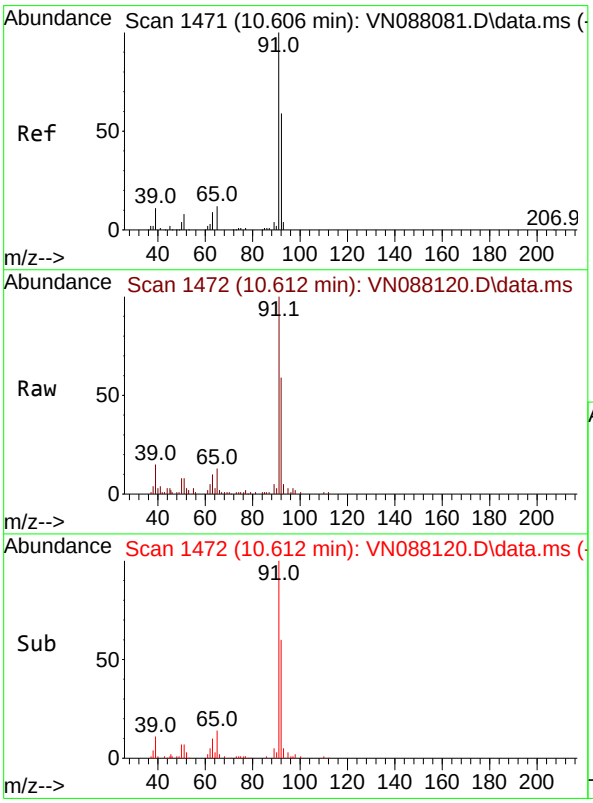
#50
Toluene-d8
Concen: 45.782 ug/l
RT: 10.541 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 98 Resp: 687552

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.8	79.2

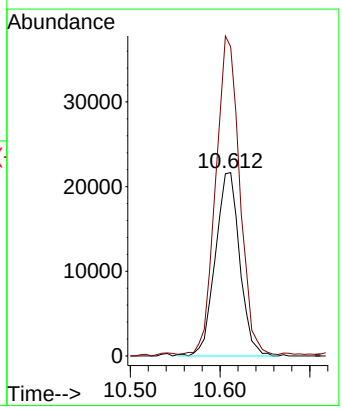


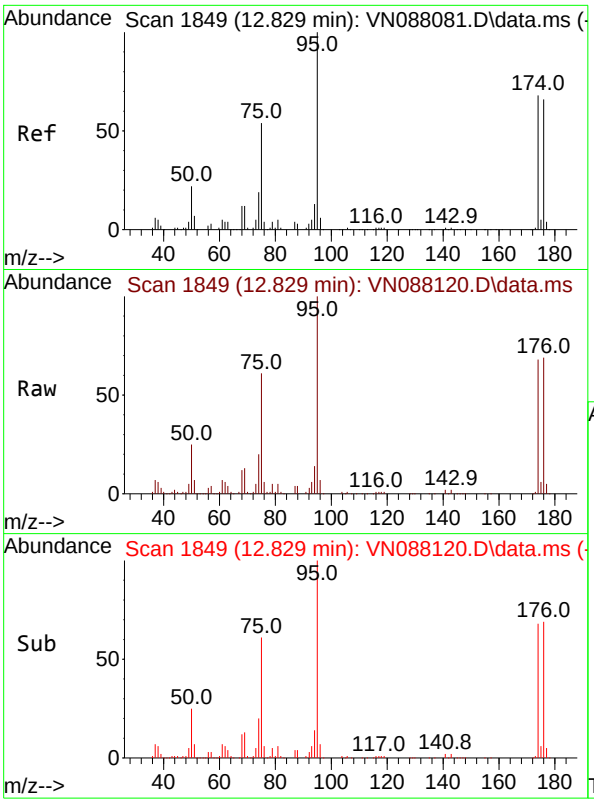


#52
Toluene
Concen: 3.820 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion: 92 Resp: 40821

Ion	Ratio	Lower	Upper
92	100		
91	170.2	140.4	210.6



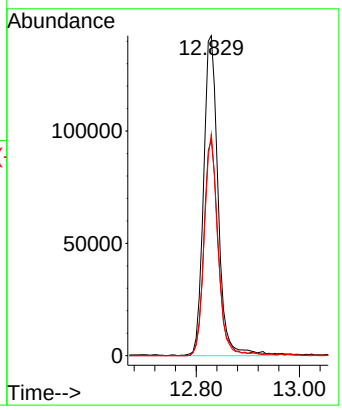


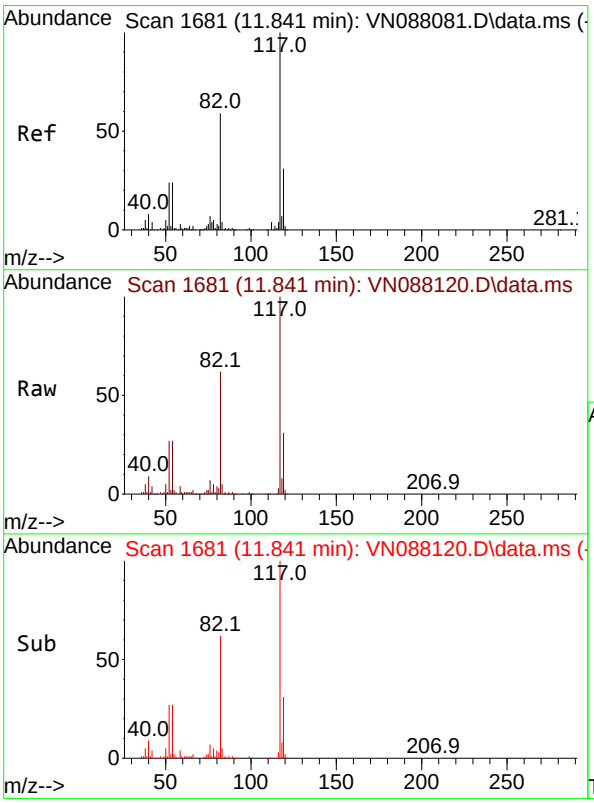
#62
4-Bromofluorobenzene
Concen: 52.511 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 95 Resp: 278511

Ion	Ratio	Lower	Upper
95	100		
174	65.5	0.0	138.4
176	64.4	0.0	132.6

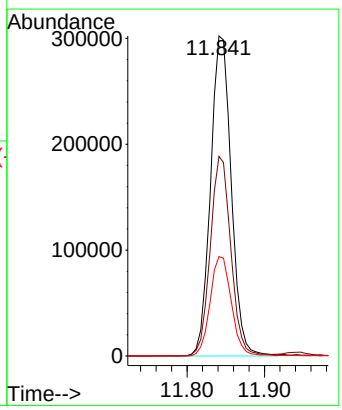


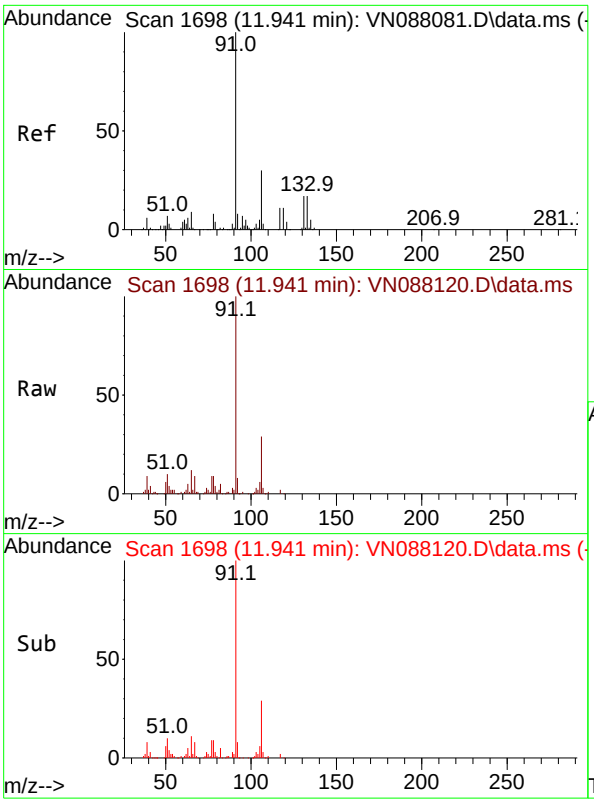


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion:117 Resp: 561441

Ion	Ratio	Lower	Upper
117	100		
82	62.4	47.4	71.2
119	31.0	24.3	36.5



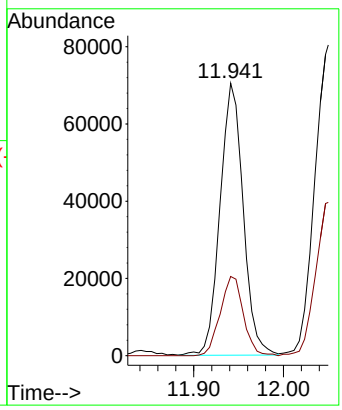


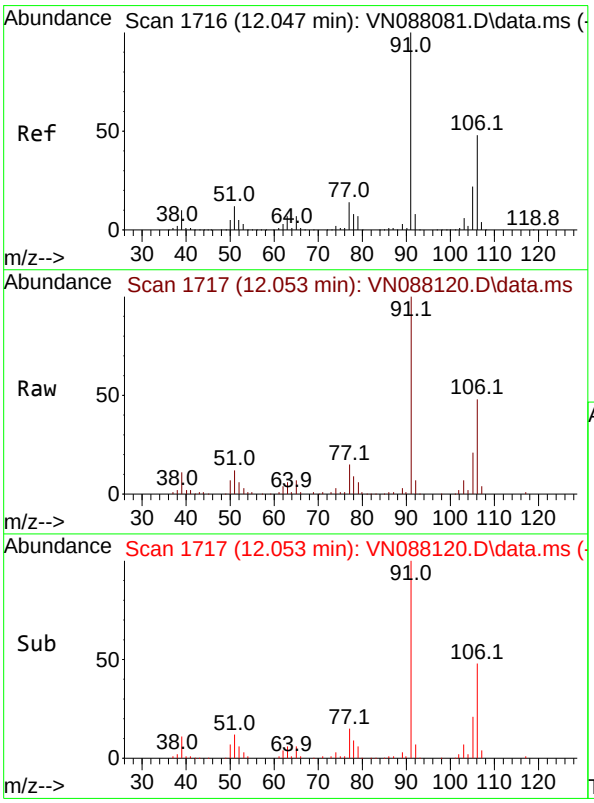
#67
Ethyl Benzene
Concen: 5.642 ug/l
RT: 11.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 91 Resp: 126260

Ion	Ratio	Lower	Upper
91	100		
106	29.1	24.1	36.1

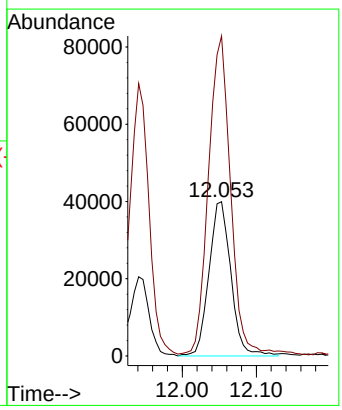


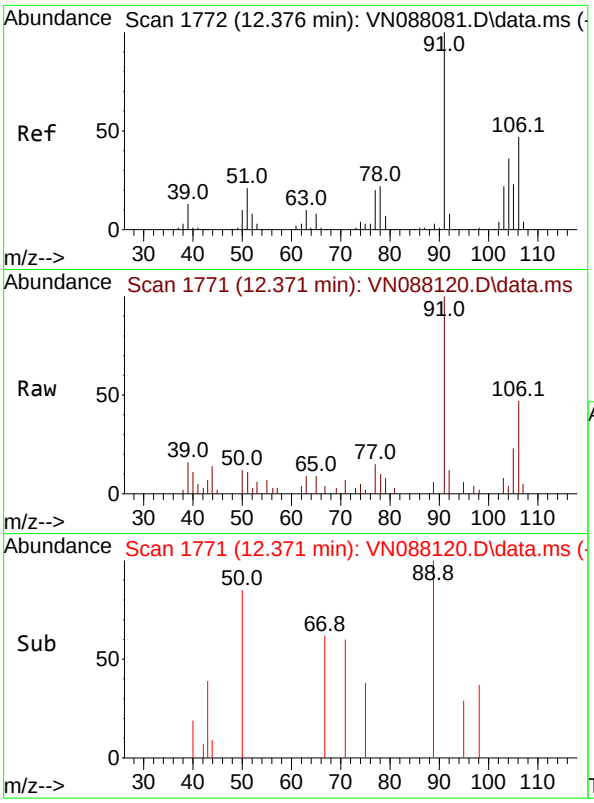


#68
m/p-Xylenes
Concen: 9.807 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion:106 Resp: 82223

Ion	Ratio	Lower	Upper
106	100		
91	208.9	169.3	253.9



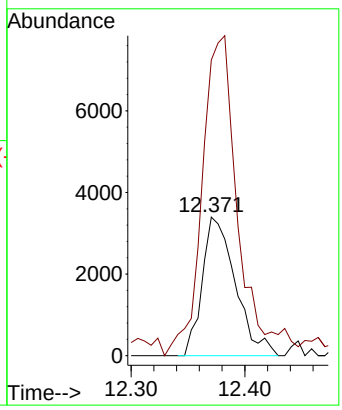


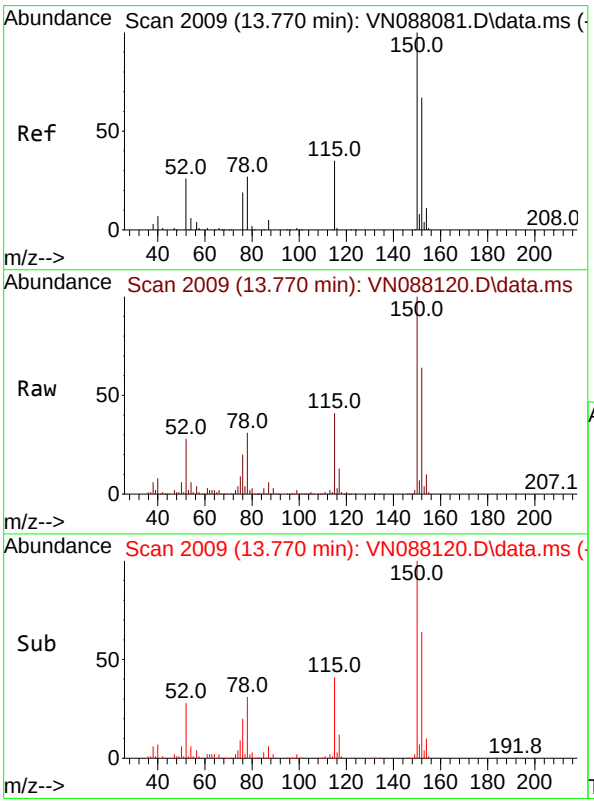
#69
o-Xylene
Concen: 0.867 ug/l
RT: 12.371 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion:106 Resp: 6889

Ion	Ratio	Lower	Upper
106	100		
91	248.8	111.4	334.2

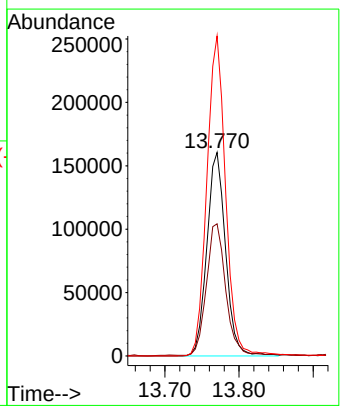


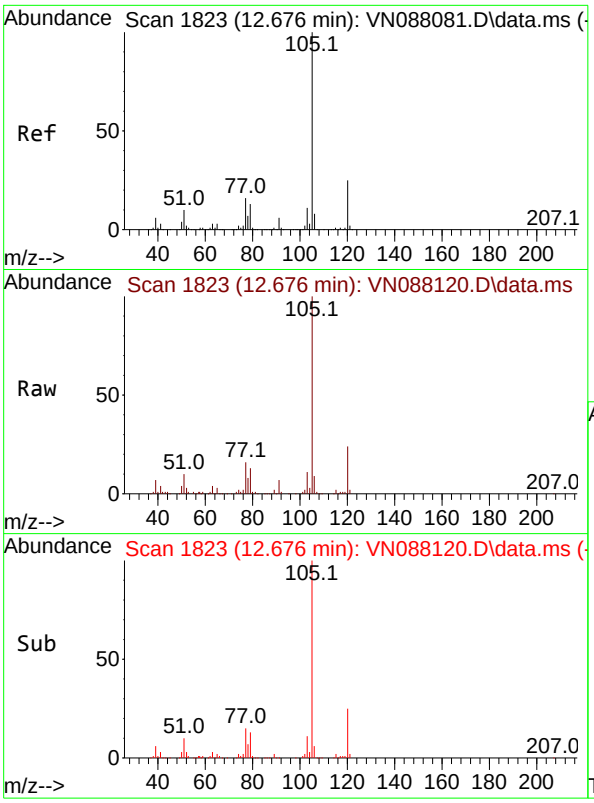


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion:152 Resp: 281349

Ion	Ratio	Lower	Upper
152	100		
115	66.9	32.3	96.8
150	157.9	0.0	351.0



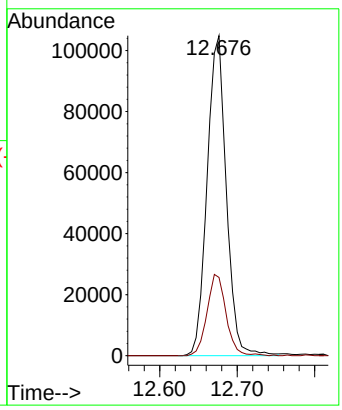


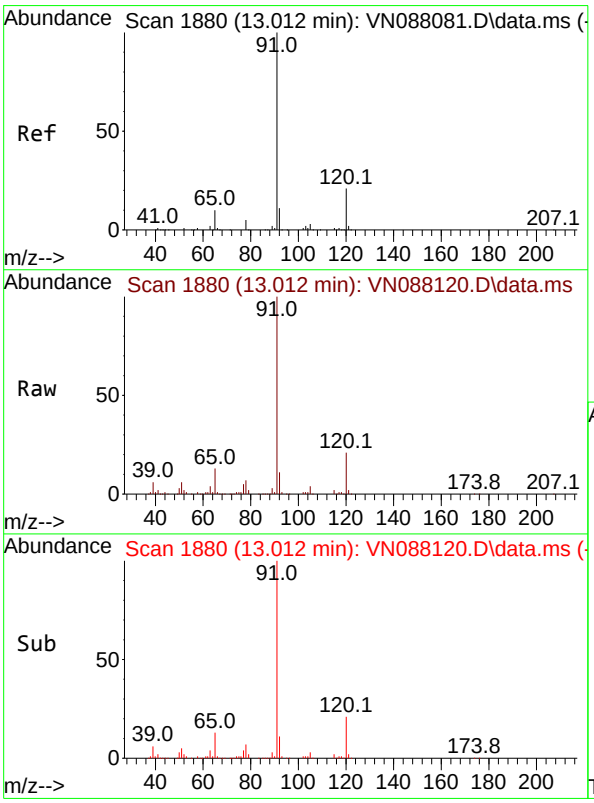
#73
Isopropylbenzene
Concen: 8.315 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion:105 Resp: 180436

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.3

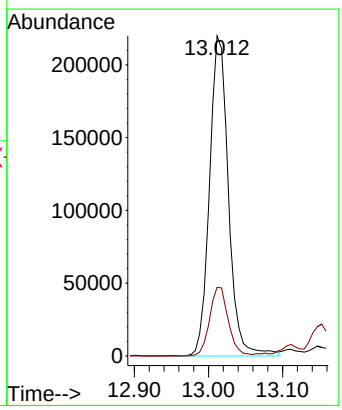


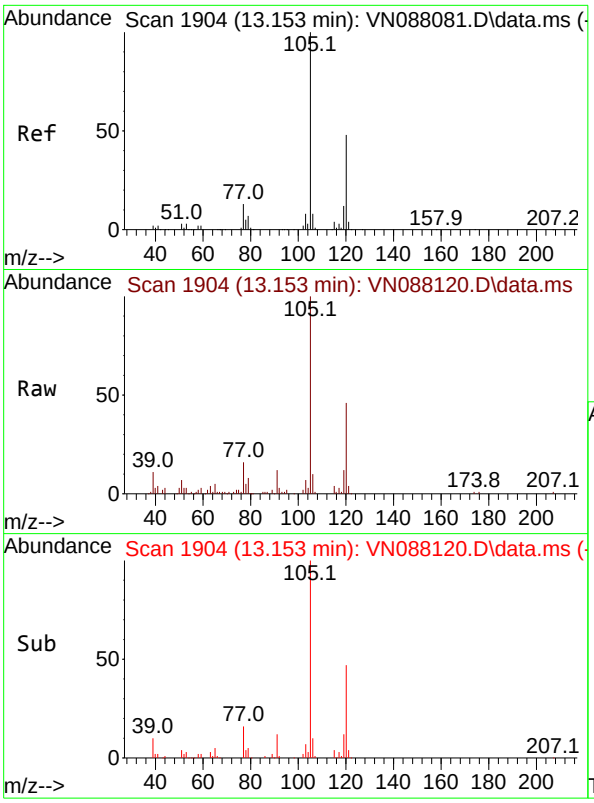


#78
n-propylbenzene
Concen: 14.736 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion: 91 Resp: 390222

Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.7	32.1



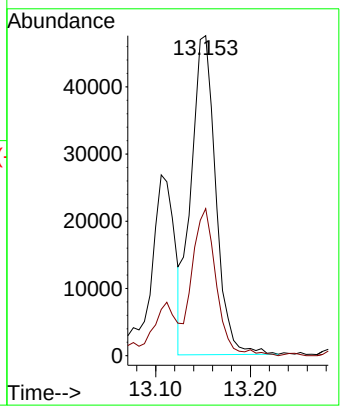


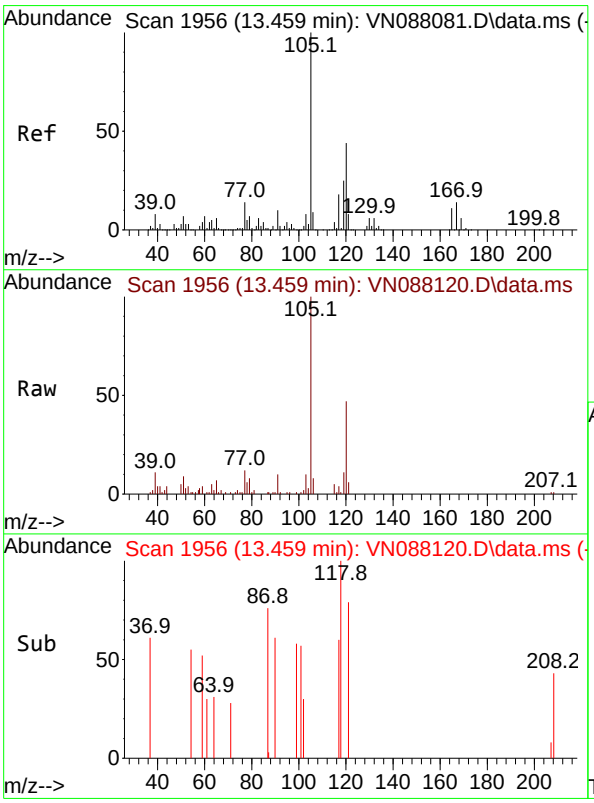
#80
1,3,5-Trimethylbenzene
Concen: 4.773 ug/l
RT: 13.153 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion:105 Resp: 86009

Ion	Ratio	Lower	Upper
105	100		
120	43.8	23.2	69.6

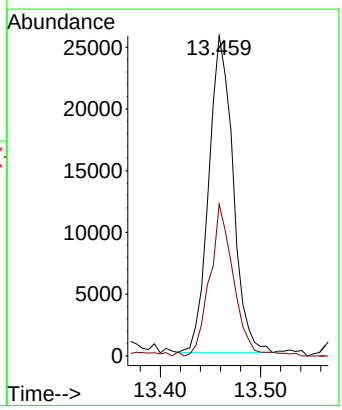


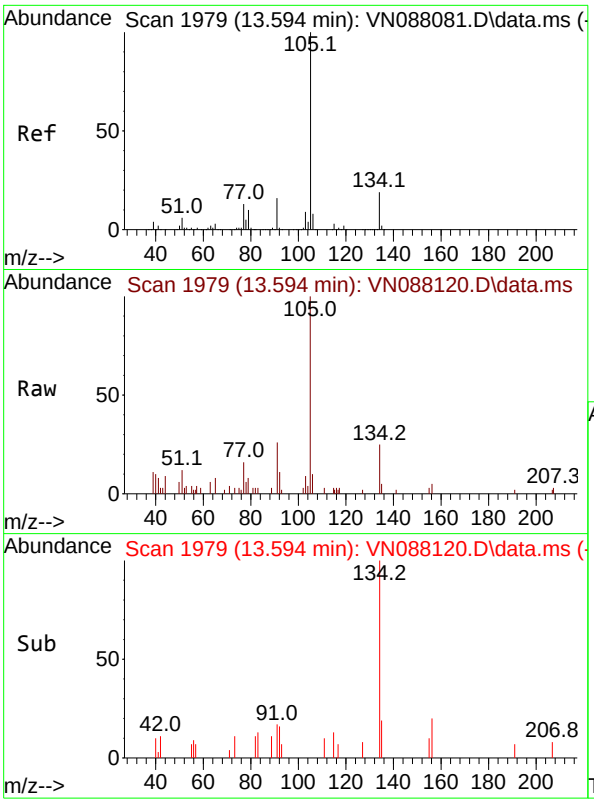


#84
1,2,4-Trimethylbenzene
Concen: 2.391 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion:105 Resp: 43111

Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.0	66.0



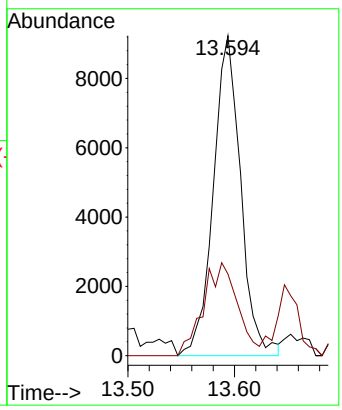


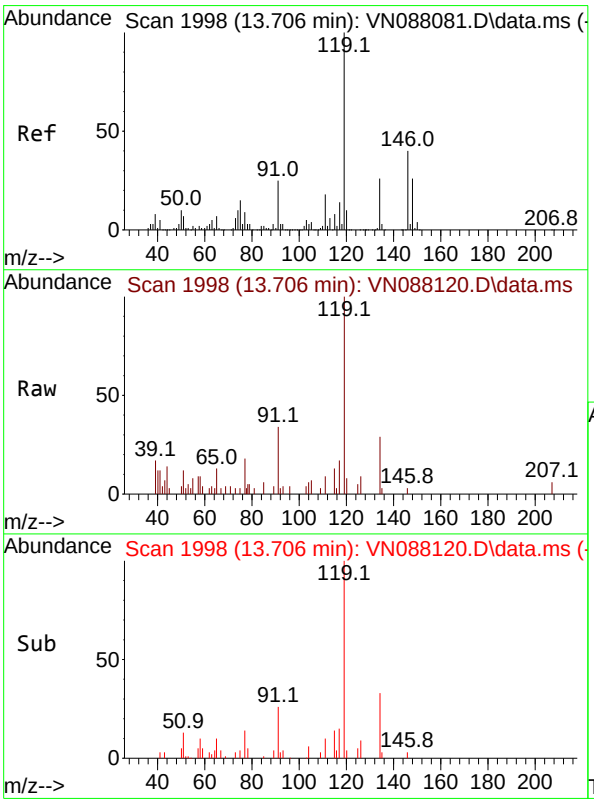
#85
sec-Butylbenzene
Concen: 0.696 ug/l
RT: 13.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion:105 Resp: 16466

Ion	Ratio	Lower	Upper
105	100		
134	36.5	9.6	28.6#

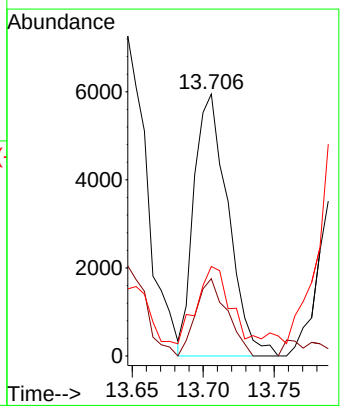


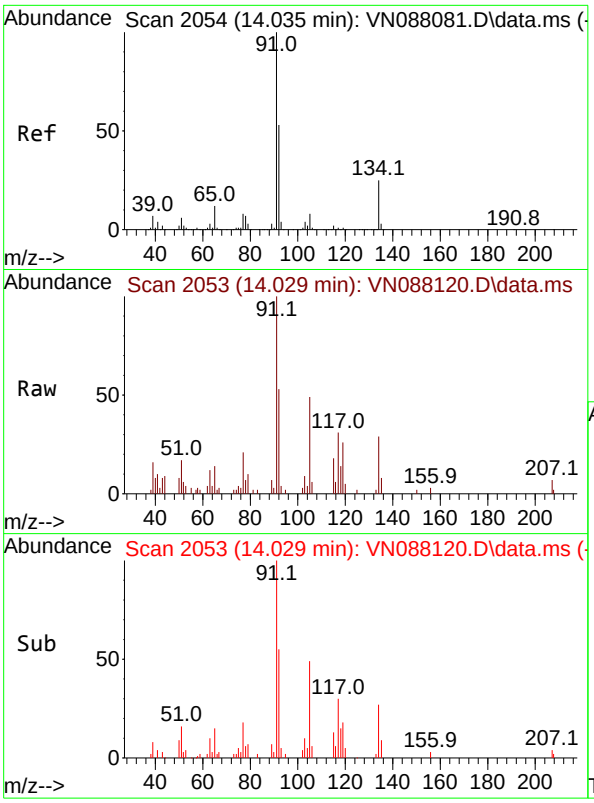


#86
p-Isopropyltoluene
Concen: 0.524 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion:119 Resp: 9936

Ion	Ratio	Lower	Upper
119	100		
134	27.0	12.7	38.0
91	28.7	12.5	37.5



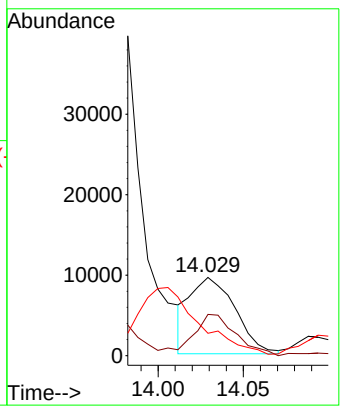


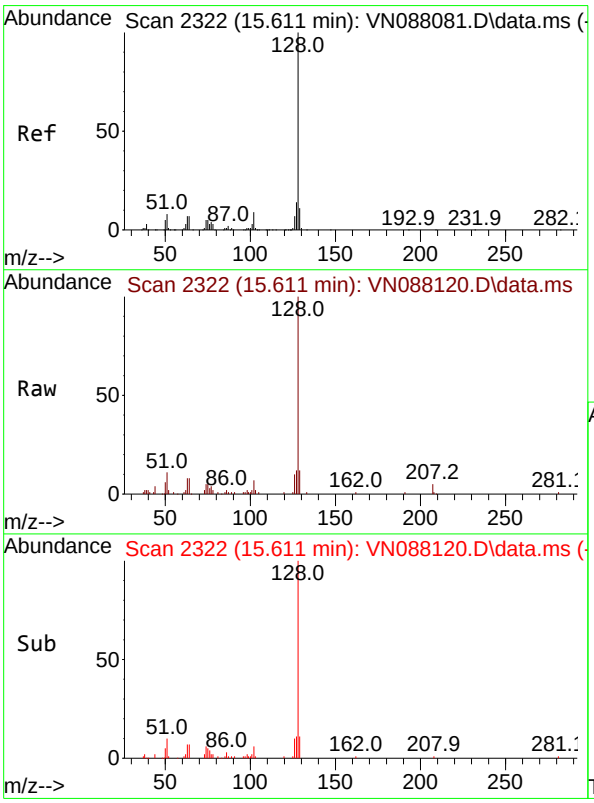
#89
n-Butylbenzene
Concen: 0.942 ug/l
RT: 14.029 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Instrument :
MSVOA_N
ClientSampleId :
MW2

Tgt Ion: 91 Resp: 17697

Ion	Ratio	Lower	Upper
91	100		
92	48.0	25.9	77.8
134	0.0	11.7	35.0#

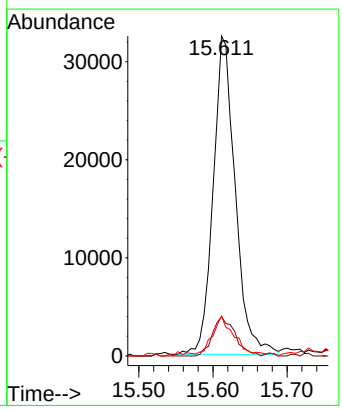




#95
Naphthalene
Concen: 3.599 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088120.D
Acq: 27 Oct 2025 17:19

Tgt Ion:128 Resp: 67226

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	12.6	8.6	12.8



Sample Results: **VN088120.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

Signal : TIC: VN088120.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.265	215	223	236	rBV	95634	239976	8.00%	0.663%
2	3.653	281	289	301	rBV2	75009	214773	7.16%	0.593%
3	4.148	363	373	391	rVB2	161990	469483	15.65%	1.296%
4	4.424	411	420	433	rVB3	14885	53246	1.77%	0.147%
5	5.153	532	544	553	rBV2	34242	115545	3.85%	0.319%
6	5.265	554	563	564	rBV3	29906	60963	2.03%	0.168%
7	5.347	567	577	578	rBV4	79569	193147	6.44%	0.533%
8	5.806	641	655	669	rBV3	85114	300510	10.02%	0.830%
9	6.106	696	706	719	rVB4	22560	74907	2.50%	0.207%
10	6.294	725	738	751	rBV3	40441	123140	4.10%	0.340%
11	6.641	782	797	809	rBV	152295	464247	15.47%	1.282%
12	6.777	811	820	830	rBV3	86900	264653	8.82%	0.731%
13	6.871	830	836	846	rVB3	20495	57401	1.91%	0.158%
14	7.071	860	870	885	rVB2	119685	355256	11.84%	0.981%
15	7.312	899	911	920	rBV	540207	1608576	53.61%	4.441%
16	7.918	1006	1014	1018	rBV4	20138	49492	1.65%	0.137%
17	7.988	1018	1026	1036	rVB2	266438	642278	21.41%	1.773%
18	8.147	1044	1053	1058	rBV	267310	663765	22.12%	1.833%
19	8.235	1058	1068	1078	rVB2	746901	2609095	86.95%	7.203%
20	8.430	1091	1101	1106	rBV2	41105	96449	3.21%	0.266%
21	8.488	1106	1111	1116	rVV5	36192	84772	2.83%	0.234%
22	8.583	1116	1127	1140	rVV2	1045357	3000574	100.00%	8.284%
23	8.712	1140	1149	1155	rVV3	197274	581769	19.39%	1.606%
24	8.771	1155	1159	1165	rVV3	115266	252861	8.43%	0.698%
25	8.835	1165	1170	1180	rVV2	105651	242322	8.08%	0.669%
26	8.924	1180	1185	1197	rVB8	25258	78053	2.60%	0.215%
27	9.082	1203	1212	1219	rBV	835279	1858915	61.95%	5.132%
28	9.241	1233	1239	1245	rVB3	27708	52624	1.75%	0.145%
29	9.312	1245	1251	1255	rVV2	52133	108169	3.60%	0.299%
30	9.365	1255	1260	1270	rVB	65832	144816	4.83%	0.400%
31	9.582	1282	1297	1314	rBV	684549	1633616	54.44%	4.510%
32	9.759	1318	1327	1333	rBV	64912	129241	4.31%	0.357%
33	9.918	1347	1354	1355	rBV3	68794	104240	3.47%	0.288%
34	9.988	1364	1366	1374	rVB6	30335	50199	1.67%	0.139%
35	10.082	1374	1382	1387	rBV	217158	420448	14.01%	1.161%
36	10.129	1387	1390	1397	rVB5	42000	76995	2.57%	0.213%

Sample Results: **VN088120.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

37	10.318	1413	1422	1434	rBV5	34632	111365	3.71%	0.307%
38	10.429	1434	1441	1453	rVB	215215	435566	14.52%	1.203%
39	10.541	1453	1460	1467	rBV	1037124	2001773	66.71%	5.527%
40	10.606	1467	1471	1476	rVB	85166	146826	4.89%	0.405%
41	10.735	1485	1493	1500	rBV3	186702	372414	12.41%	1.028%
42	10.812	1500	1506	1514	rVB	169679	308461	10.28%	0.852%
43	10.888	1514	1519	1525	rVB2	37960	64886	2.16%	0.179%
44	10.959	1525	1531	1542	rVB3	64886	165956	5.53%	0.458%
45	11.235	1572	1578	1581	rBV6	24935	45961	1.53%	0.127%
46	11.276	1581	1585	1588	rVV3	23910	36508	1.22%	0.101%
47	11.318	1588	1592	1595	rVV6	20838	40871	1.36%	0.113%
48	11.353	1595	1598	1602	rVV5	27289	53021	1.77%	0.146%
49	11.400	1602	1606	1611	rVV2	34670	60418	2.01%	0.167%
50	11.841	1674	1681	1693	rVV	1041219	1971169	65.69%	5.442%
51	11.941	1693	1698	1707	rVV	191966	349484	11.65%	0.965%
52	12.053	1708	1717	1731	rVV	246720	544298	18.14%	1.503%
53	12.371	1767	1771	1777	rVB2	18653	32433	1.08%	0.090%
54	12.670	1813	1822	1838	rVB	266430	481142	16.03%	1.328%
55	12.829	1840	1849	1860	rBV	737108	1380754	46.02%	3.812%
56	13.012	1874	1880	1888	rBV	464092	797010	26.56%	2.200%
57	13.106	1892	1896	1899	rVV	72056	116896	3.90%	0.323%
58	13.153	1899	1904	1910	rVB	140690	250358	8.34%	0.691%
59	13.312	1925	1931	1939	rBV	195881	348923	11.63%	0.963%
60	13.459	1951	1956	1963	rVB2	78550	131201	4.37%	0.362%
61	13.582	1971	1977	1984	rBV4	26464	59014	1.97%	0.163%
62	13.647	1984	1988	1994	rVB2	21557	33551	1.12%	0.093%
63	13.706	1994	1998	2002	rBV3	19727	30707	1.02%	0.085%
64	13.770	2002	2009	2022	rVV2	1090201	2174156	72.46%	6.003%
65	13.929	2030	2036	2037	rBV	86334	117232	3.91%	0.324%
66	13.970	2037	2043	2059	rVV	1302006	2392165	79.72%	6.604%
67	14.094	2059	2064	2070	rVB4	29752	51472	1.72%	0.142%
68	14.159	2070	2075	2081	rBV2	53742	86813	2.89%	0.240%
69	14.217	2081	2085	2093	rVB	23668	43519	1.45%	0.120%
70	14.306	2093	2100	2106	rBV	242712	399374	13.31%	1.103%
71	14.370	2106	2111	2114	rVV	81981	133239	4.44%	0.368%
72	14.423	2114	2120	2128	rVV2	322223	573300	19.11%	1.583%
73	14.553	2135	2142	2147	rBV5	20327	37510	1.25%	0.104%
74	14.629	2149	2155	2159	rBV	140185	232649	7.75%	0.642%
75	14.664	2159	2161	2166	rVV2	44215	65143	2.17%	0.180%
76	14.900	2196	2201	2212	rVB	218923	404917	13.49%	1.118%

Sample Results: **VN088120.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

77	15.023	2212	2222	2229	rBV2	414601	887797	29.59%	2.451%
78	15.188	2244	2250	2257	rBV5	44937	85687	2.86%	0.237%
79	15.288	2257	2267	2272	rVV4	58429	162539	5.42%	0.449%
80	15.329	2272	2274	2280	rVV4	30878	54812	1.83%	0.151%
81	15.411	2280	2288	2296	rVB3	63251	149932	5.00%	0.414%
82	15.611	2316	2322	2330	rBV	66889	132283	4.41%	0.365%
83	15.723	2335	2341	2345	rBV7	13949	30799	1.03%	0.085%
84	15.917	2368	2374	2379	rBV3	24684	47703	1.59%	0.132%
85	16.100	2396	2405	2406	rBV5	18443	34828	1.16%	0.096%
86	16.753	2509	2516	2522	rBV3	33694	74978	2.50%	0.207%

Sum of corrected areas: 36220329

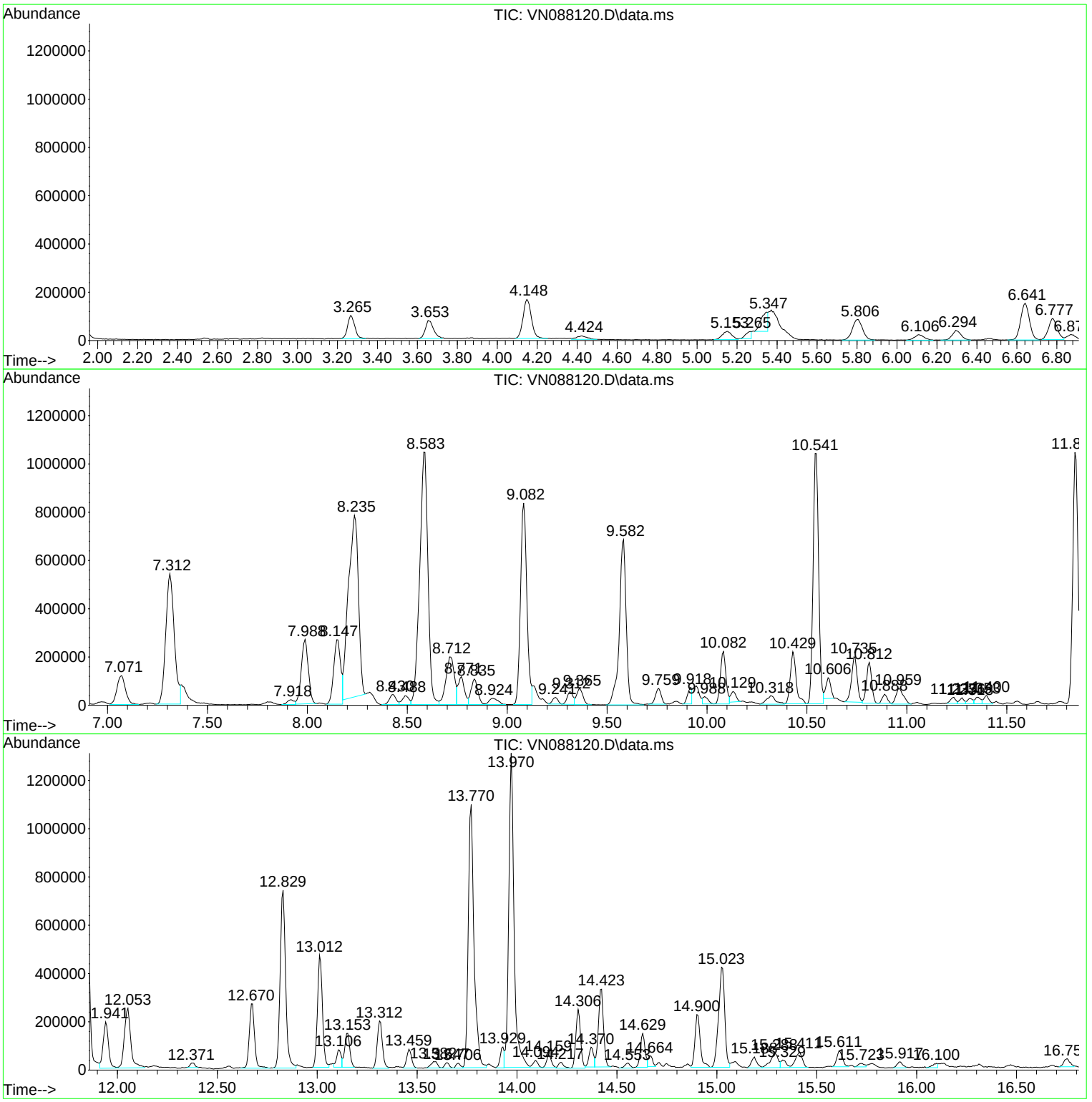
Sample Results: **VN088120.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

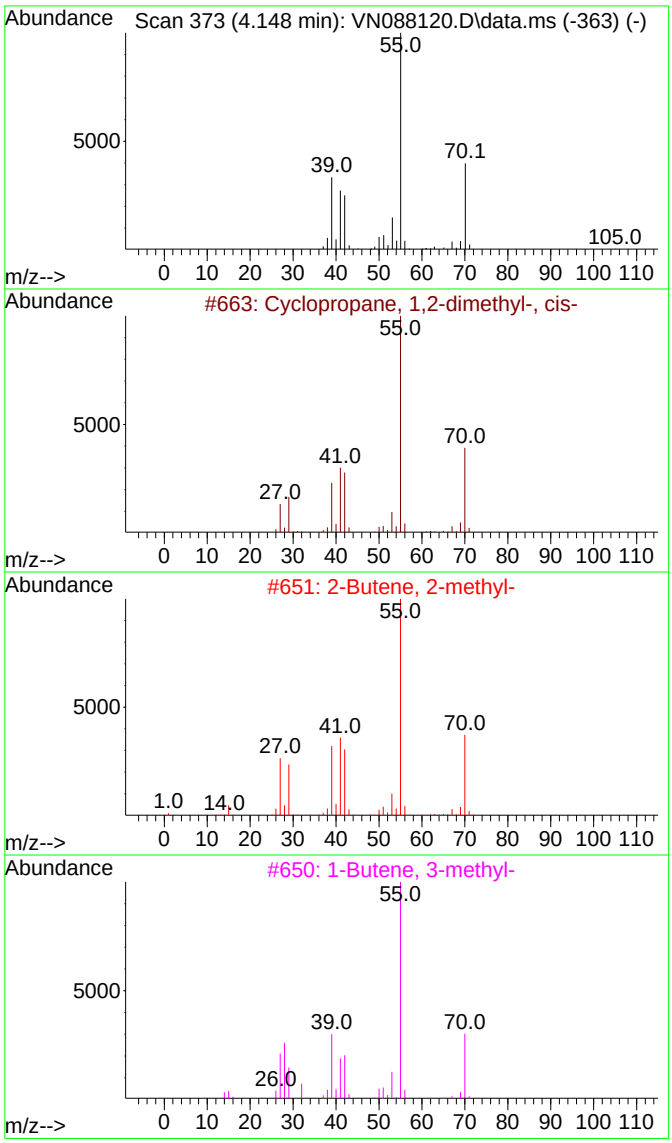
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

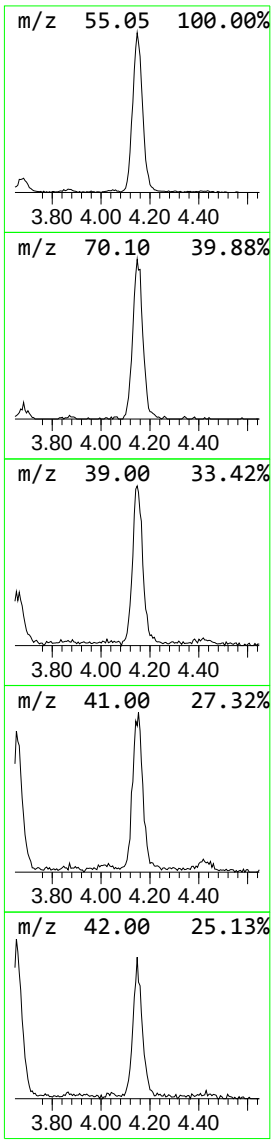
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclopropane, 1,2-dimethyl-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.148	9.00 ug/l	469483	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	87
4	2-Methyl-1-butene	70	C5H10	000563-46-2	86
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

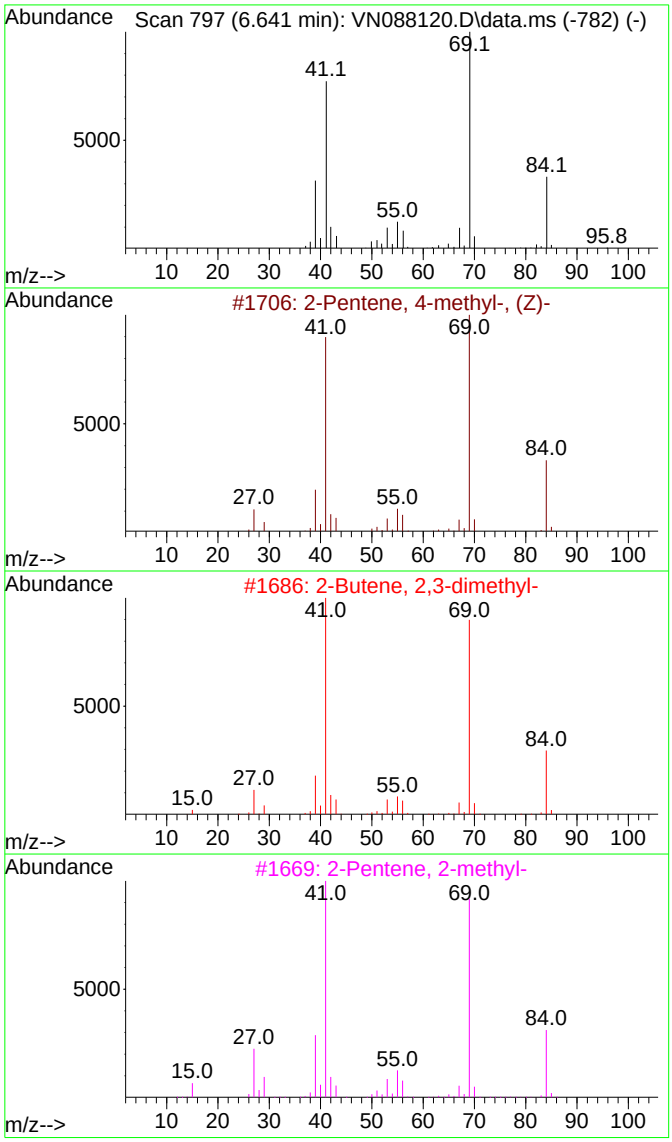
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

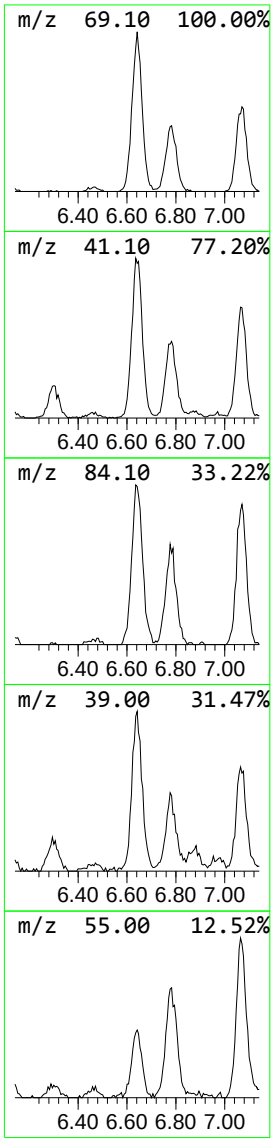
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentene, 4-methyl-, (Z)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.641	8.90 ug/l	464247	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	91
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
3	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91
4	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	91
5	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

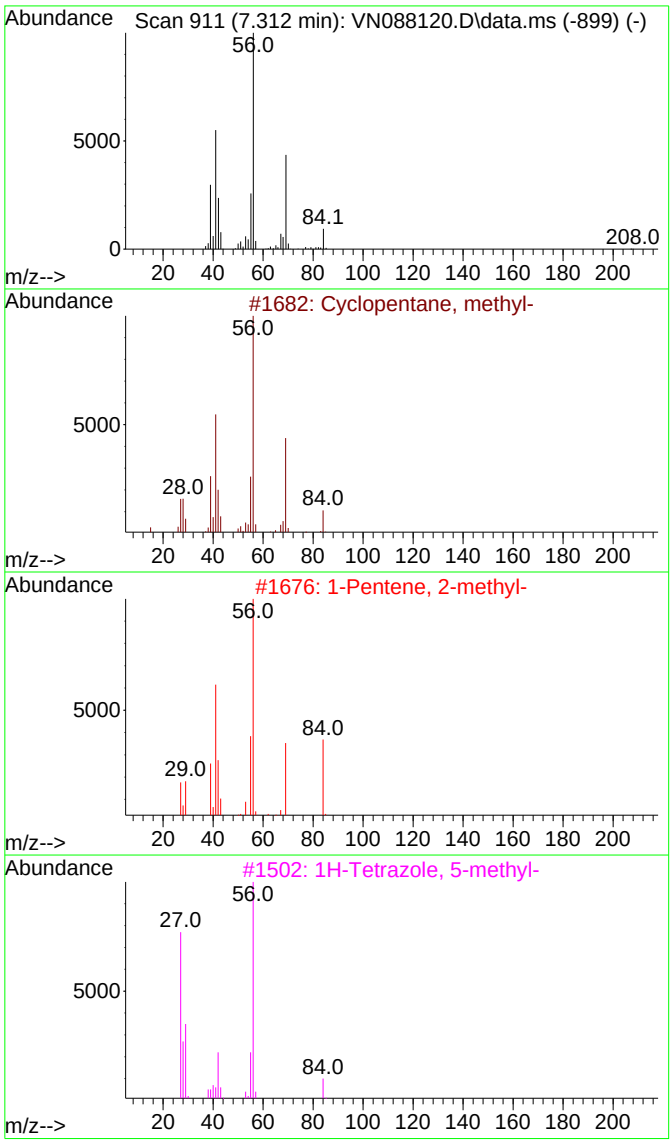
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

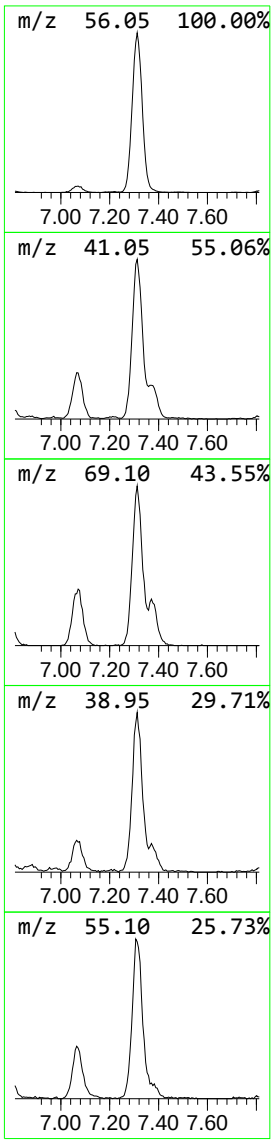
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentane, methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	30.83 ug/l	1608580	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclohexane	84	C6H12	000110-82-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

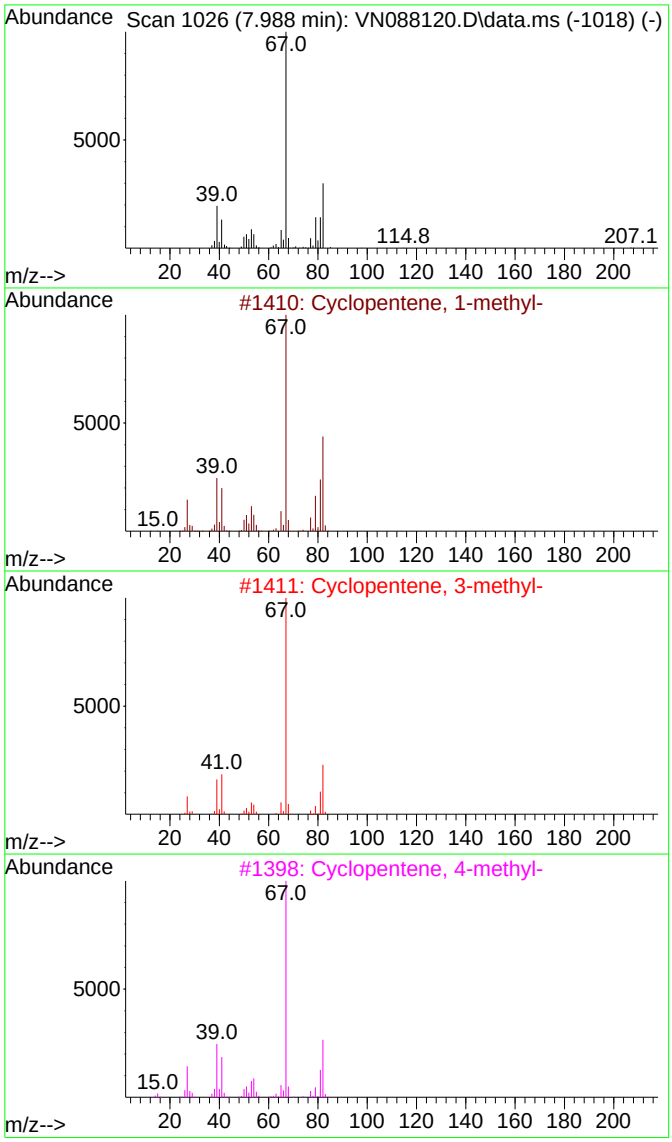
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

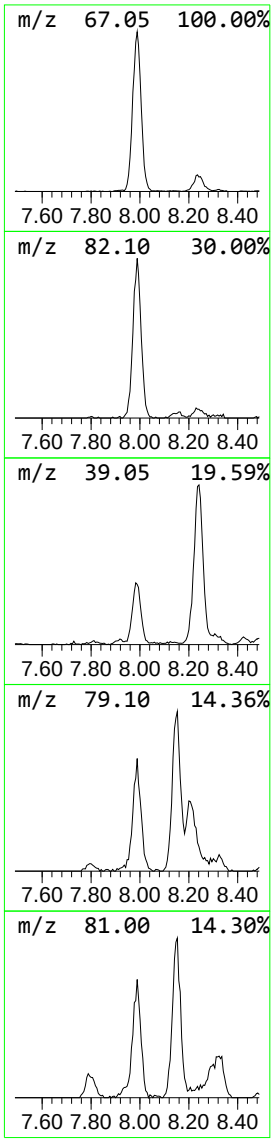
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclopentene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.988	12.31 ug/l	642278	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	80
3	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	80
4	2,4-Hexadiene	82	C6H10	000592-46-1	80
5	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

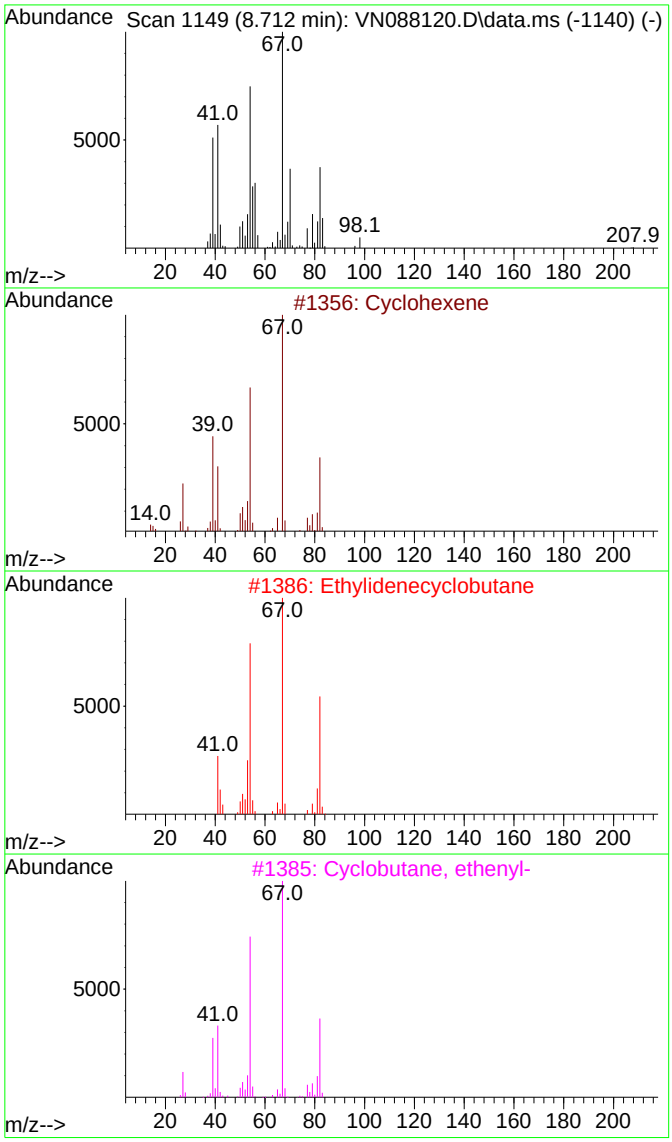
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

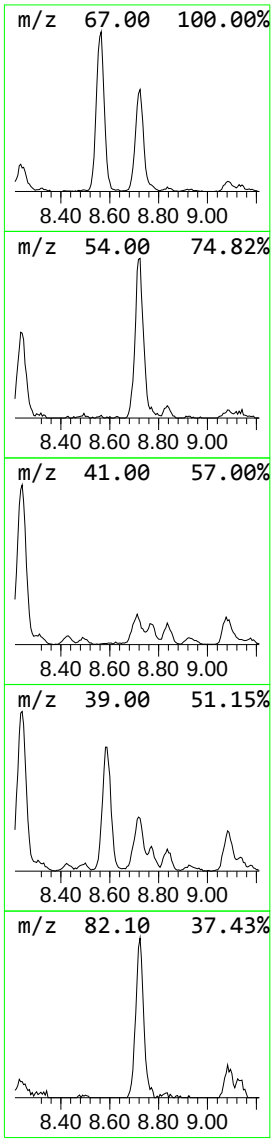
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.712	15.65 ug/l	581769	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene	82	C6H10	000110-83-8	91
2	Ethylidenecyclobutane	82	C6H10	001528-21-8	87
3	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	81
4	1,4-Hexadiene	82	C6H10	000592-45-0	35
5	1,3-Pentadiene, 2-methyl-	82	C6H10	001118-58-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

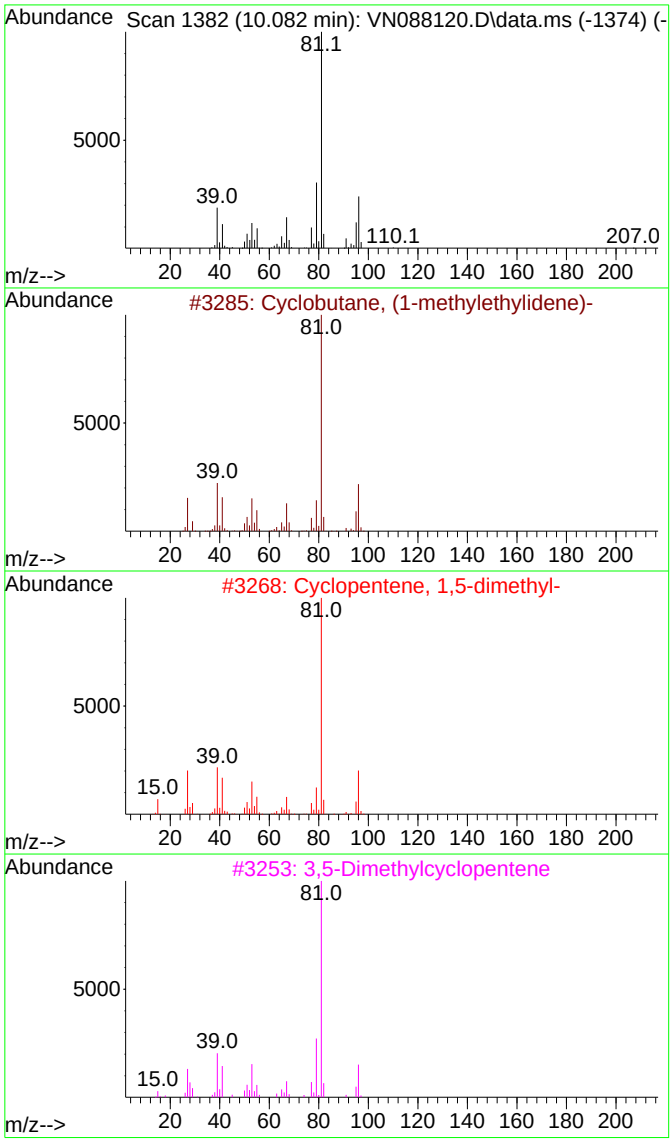
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

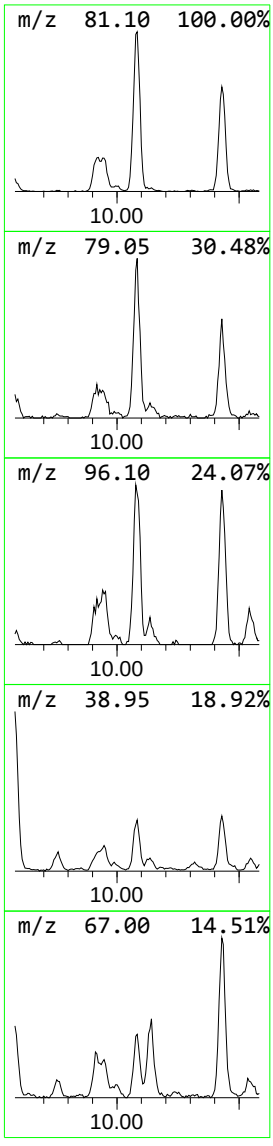
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclobutane, (1-methylethyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.082	11.31 ug/l	420448	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	86
4	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	83
5	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

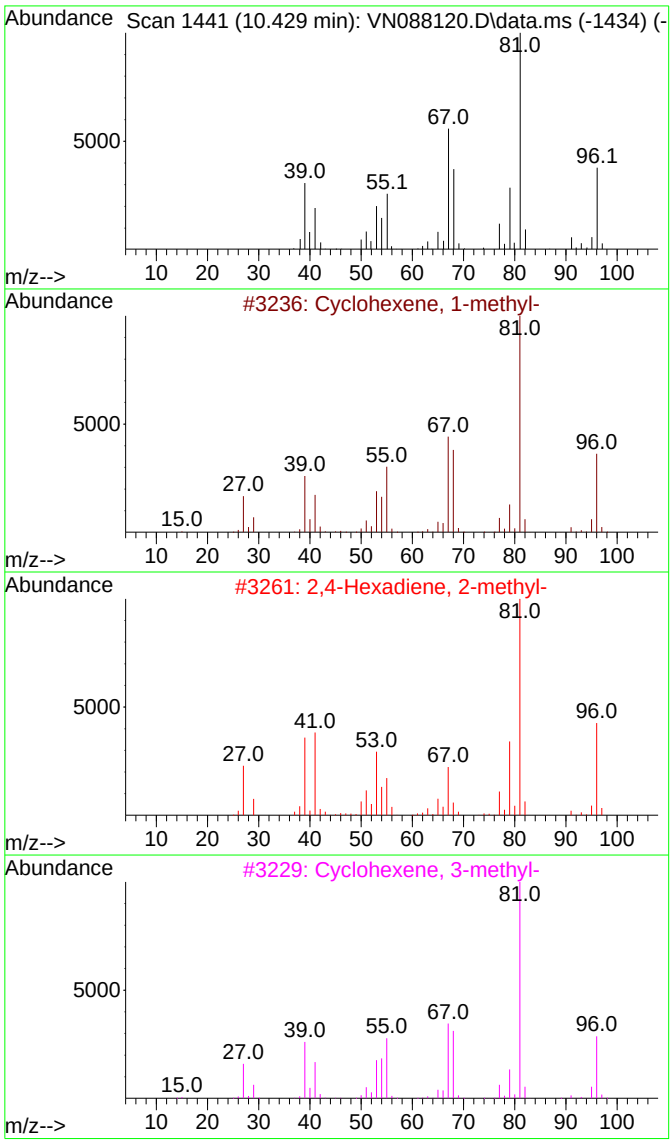
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

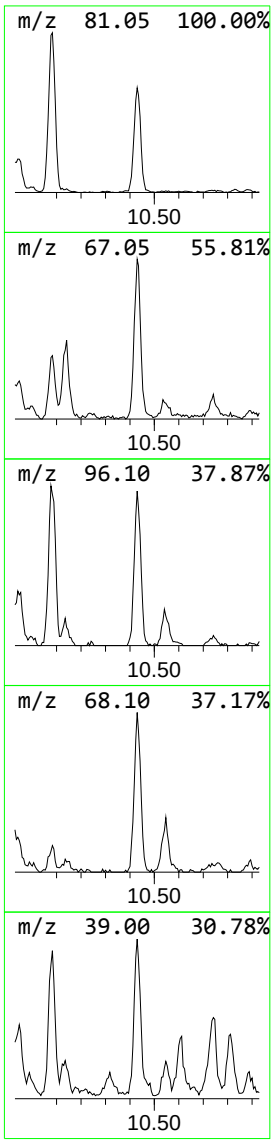
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 2,4-Hexadiene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.430	11.72 ug/l	435566	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	95
2	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	93
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	87
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	83
5	1,4-Heptadiene	96	C7H12	005675-22-9	80





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Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

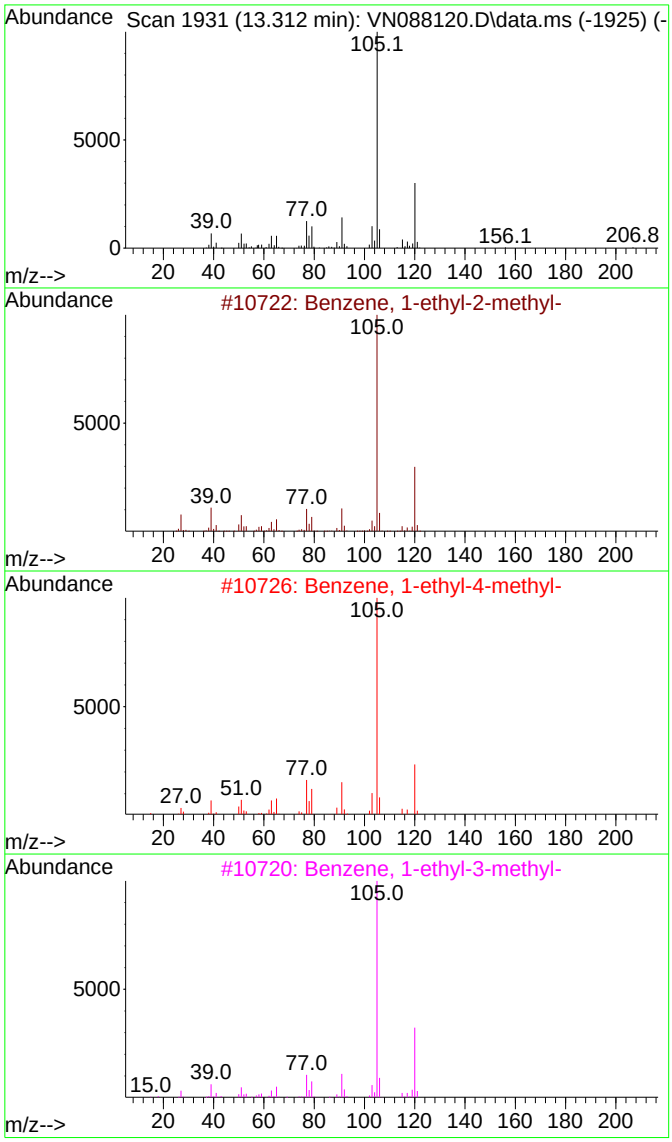
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

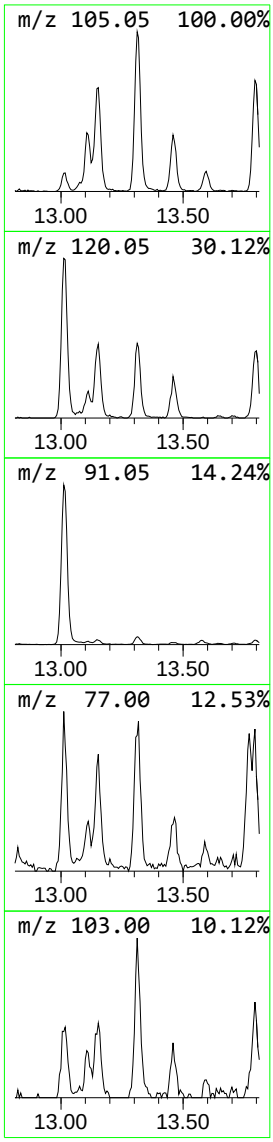
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.312	8.02 ug/l	348923	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





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Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

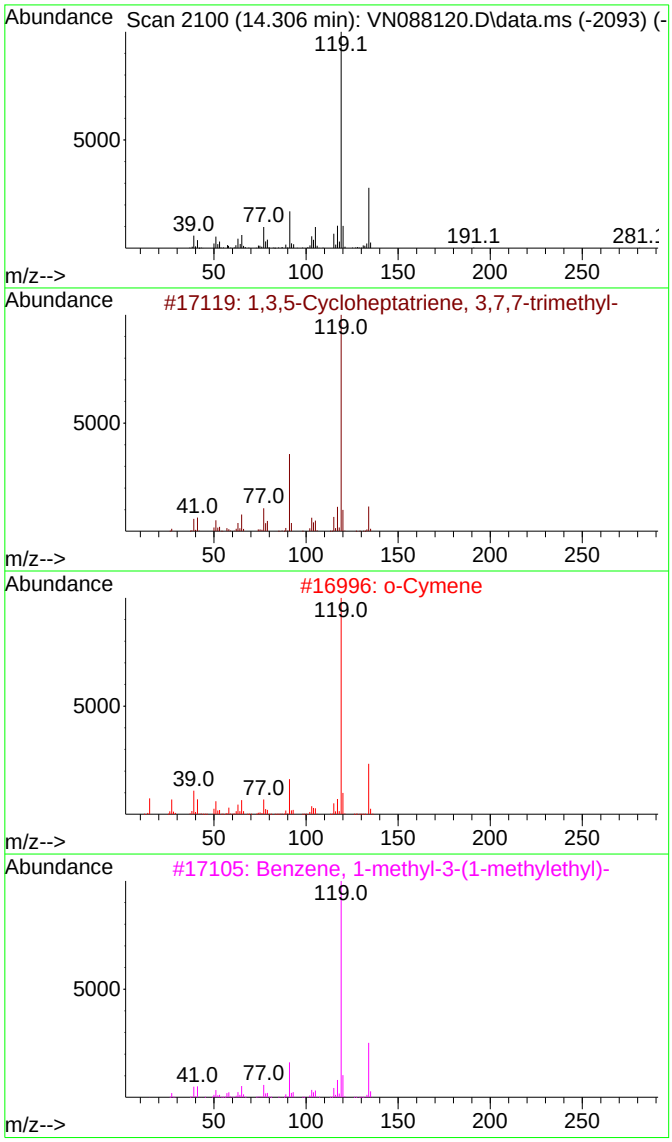
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

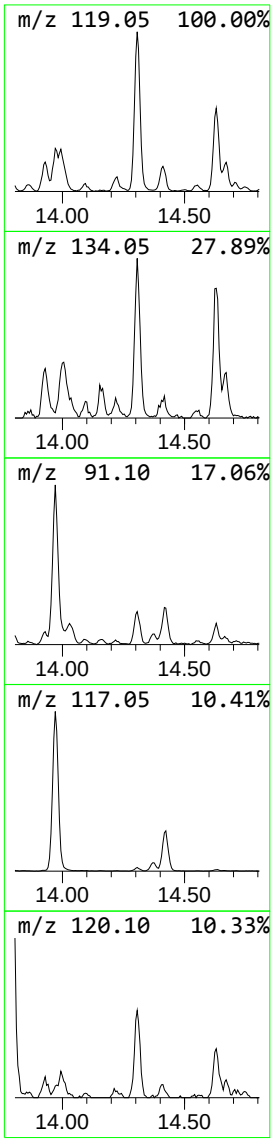
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1,3,5-Cycloheptatriene, 3,7... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	9.18 ug/l	399374	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

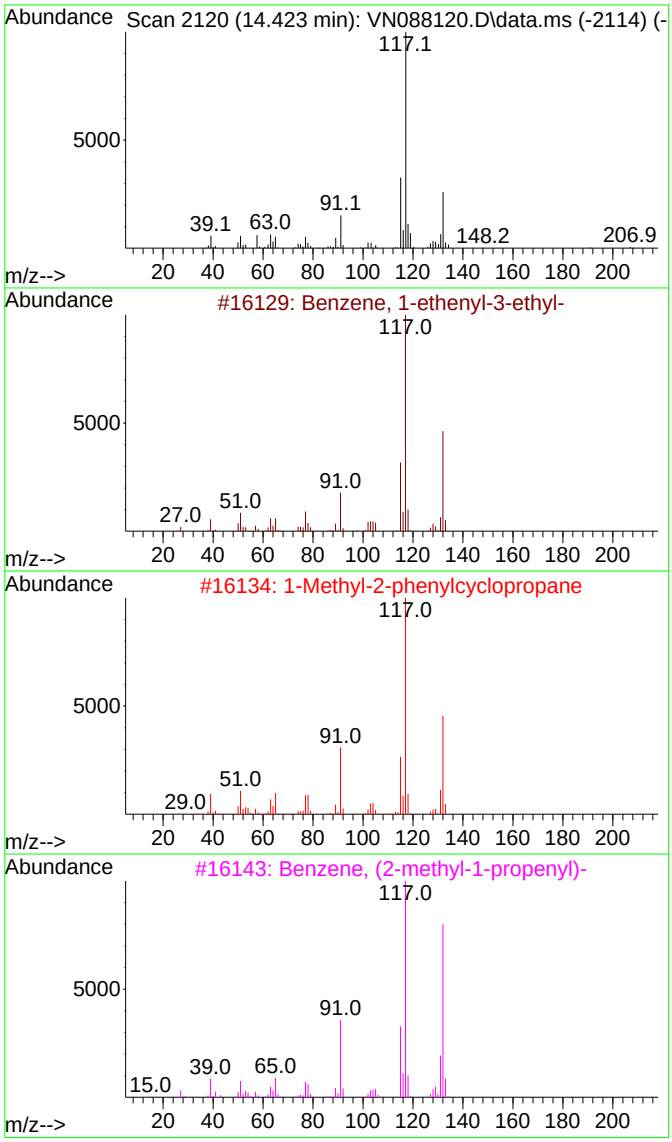
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

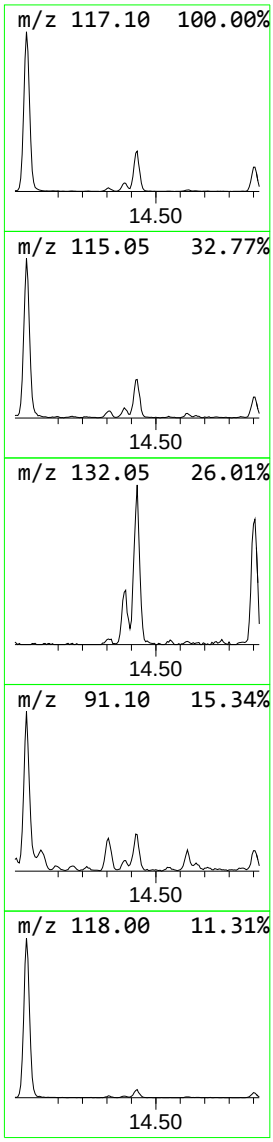
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.423	13.18 ug/l	573300	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

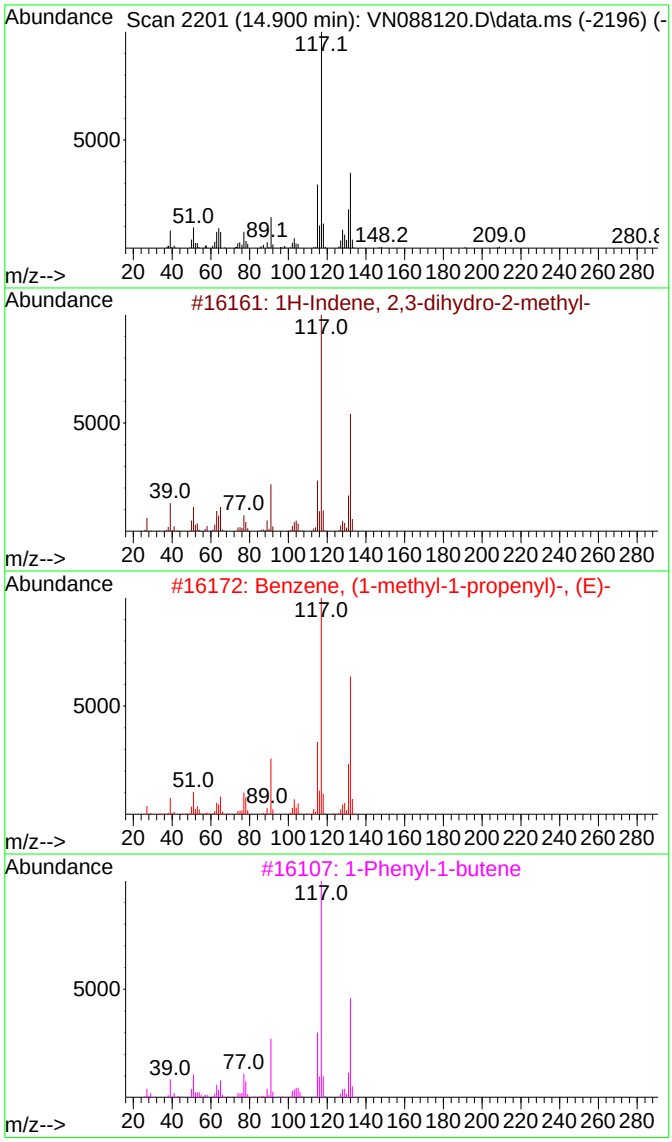
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

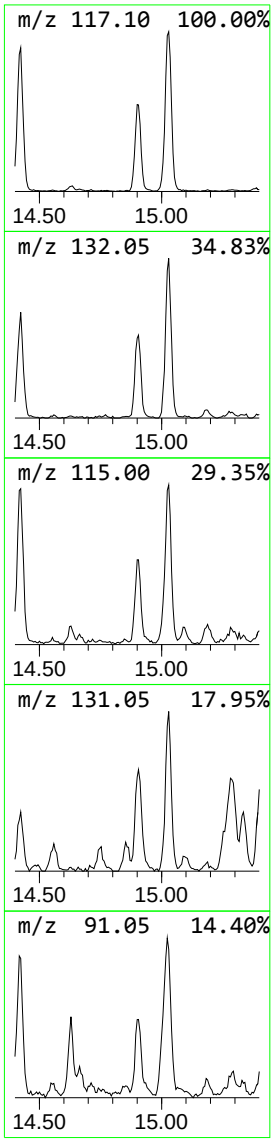
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1H-Indene, 2,3-dihydro-2-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.900	9.31 ug/l	404917	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	91
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

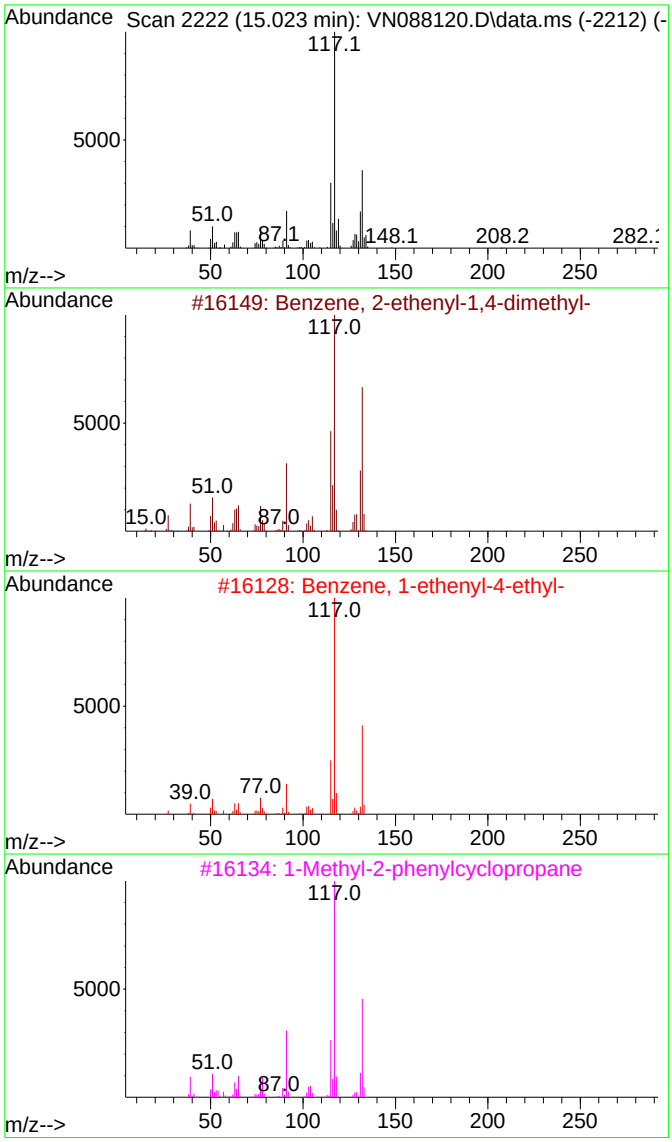
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

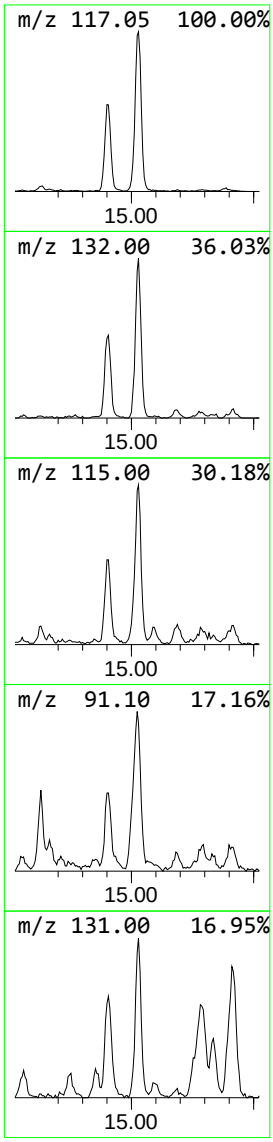
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	20.42 ug/l	887797	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088120.D
Acq On : 27 Oct 2025 17:19
Operator : JC\MD
Sample : Q3426-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclopropane, 1...	4.148	9.0	ug/l	469483	1	8.206	2609100	50.0
2-Pentene, 4-me...	6.641	8.9	ug/l	464247	1	8.206	2609100	50.0
Cyclopentane, m...	7.312	30.8	ug/l	1608580	1	8.206	2609100	50.0
Cyclopentene, 1...	7.988	12.3	ug/l	642278	1	8.206	2609100	50.0
Cyclohexene	8.712	15.7	ug/l	581769	2	9.082	1858920	50.0
Cyclobutane, (1...	10.082	11.3	ug/l	420448	2	9.082	1858920	50.0
2,4-Hexadiene, ...	10.430	11.7	ug/l	435566	2	9.082	1858920	50.0
Benzene, 1-ethy...	13.312	8.0	ug/l	348923	4	13.770	2174160	50.0
1,3,5-Cyclohept...	14.306	9.2	ug/l	399374	4	13.770	2174160	50.0
Benzene, 1-ethe...	14.423	13.2	ug/l	573300	4	13.770	2174160	50.0
1H-Indene, 2,3-...	14.900	9.3	ug/l	404917	4	13.770	2174160	50.0
Benzene, 2-ethe...	15.023	20.4	ug/l	887797	4	13.770	2174160	50.0

CALIBRATION SUMMARY

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3426

Instrument ID: MSVOA_N Calibration Date(s): 10/23/2025 10/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:02

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN088078.D RRF005 = VN088079.D RRF020 = VN088080.D
RRF050 = VN088081.D RRF100 = VN088082.D RRF150 = VN088083.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.606	0.645	0.594	0.458	0.493	0.588	0.564	12.8
Chloromethane	0.782	0.707	0.725	0.519	0.579	0.669	0.664	14.7
Vinyl Chloride	0.801	0.784	0.787	0.581	0.639	0.746	0.723	12.6
Bromomethane		0.527	0.485	0.341	0.389	0.420	0.432	17.2
Chloroethane	0.598	0.601	0.558	0.413	0.447	0.509	0.521	15.2
Trichlorofluoromethane	1.199	1.317	1.246	0.955	1.031	1.171	1.153	11.8
1,1,2-Trichlorotrifluoroethane	0.637	0.632	0.612	0.476	0.561	0.653	0.595	11.2
Tert butyl alcohol		0.164	0.170	0.116	0.151	0.144	0.149	14.2
1,1-Dichloroethene	0.806	0.686	0.631	0.462	0.547	0.637	0.628	18.7
Acetone	0.563	0.441	0.440	0.319	0.411	0.431	0.434	17.9
Carbon Disulfide	2.143	2.041	1.984	1.483	1.917	1.895	1.910	11.9
Methyl tert-butyl Ether	2.356	2.498	2.493	1.790	2.370	2.342	2.308	11.4
Methyl Acetate	0.982	0.910	0.980	0.688	0.896	0.880	0.889	12.1
Methylene Chloride	0.894	0.774	0.775	0.540	0.708	0.684	0.729	16.2
trans-1,2-Dichloroethene	0.820	0.716	0.715	0.536	0.673	0.678	0.690	13.3
1,1-Dichloroethane	1.371	1.432	1.418	1.026	1.142	1.312	1.283	12.8
Cyclohexane		1.488	1.301	0.965	1.055	1.243	1.210	17.1
2-Butanone	0.615	0.616	0.639	0.465	0.516	0.584	0.572	11.8
Carbon Tetrachloride	0.544	0.525	0.538	0.417	0.470	0.546	0.507	10.3
cis-1,2-Dichloroethene	0.884	0.892	0.868	0.626	0.694	0.800	0.794	13.9
Bromochloromethane	0.608	0.669	0.549	0.589	0.596	0.627	0.606	6.6
Chloroform	1.334	1.433	1.405	1.040	1.162	1.318	1.282	11.8
1,1,1-Trichloroethane	1.293	1.230	1.241	0.912	1.014	1.160	1.142	13
Methylcyclohexane	0.701	0.649	0.634	0.524	0.578	0.698	0.630	11
Benzene	1.621	1.577	1.609	1.216	1.372	1.566	1.494	10.9
1,2-Dichloroethane	0.552	0.572	0.590	0.436	0.480	0.554	0.531	11.2
Trichloroethene	0.375	0.374	0.374	0.284	0.318	0.369	0.349	11.1
1,2-Dichloropropane	0.420	0.408	0.397	0.306	0.340	0.391	0.377	11.7
Bromodichloromethane	0.561	0.570	0.589	0.439	0.499	0.573	0.538	10.8
4-Methyl-2-Pentanone	0.548	0.600	0.647	0.485	0.552	0.620	0.575	10.2

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3426

Instrument ID: MSVOA_N Calibration Date(s): 10/23/2025 10/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:02

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN088078.D RRF005 = VN088079.D RRF020 = VN088080.D
RRF050 = VN088081.D RRF100 = VN088082.D RRF150 = VN088083.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	0.971	0.958	0.991	0.755	0.862	0.989	0.921	10.2
t-1,3-Dichloropropene	0.554	0.576	0.618	0.479	0.559	0.652	0.573	10.4
cis-1,3-Dichloropropene	0.615	0.622	0.652	0.501	0.587	0.671	0.608	9.9
1,1,2-Trichloroethane	0.421	0.348	0.374	0.281	0.317	0.355	0.349	13.7
2-Hexanone	0.369	0.332	0.418	0.333	0.392	0.447	0.382	12.1
Dibromochloromethane	0.418	0.392	0.433	0.327	0.377	0.436	0.397	10.4
1,2-Dibromoethane	0.403	0.356	0.384	0.289	0.339	0.388	0.360	11.6
Tetrachloroethene	0.400	0.344	0.335	0.258	0.298	0.344	0.330	14.6
Chlorobenzene	1.197	1.208	1.205	0.941	1.053	1.208	1.135	9.9
Ethyl Benzene	2.069	2.066	2.123	1.649	1.873	2.177	1.993	9.9
m/p-Xylenes	0.733	0.774	0.804	0.635	0.708	0.827	0.747	9.4
o-Xylene	0.670	0.742	0.764	0.604	0.684	0.784	0.708	9.6
Styrene	0.946	1.204	1.276	1.011	1.165	1.325	1.154	12.9
Bromoform	0.268	0.274	0.294	0.233	0.276	0.320	0.278	10.4
Isopropylbenzene	4.189	3.857	4.067	3.173	3.580	4.272	3.856	10.8
1,1,2,2-Tetrachloroethane	1.304	1.258	1.336	0.957	1.080	1.270	1.201	12.4
1,2,4-Trimethylbenzene	3.242	3.316	3.465	2.700	3.012	3.491	3.204	9.4
1,3-Dichlorobenzene	1.777	1.673	1.822	1.380	1.535	1.773	1.660	10.3
1,4-Dichlorobenzene	2.065	1.953	1.863	1.399	1.582	1.836	1.783	13.9
1,2-Dichlorobenzene	1.768	1.652	1.678	1.291	1.469	1.744	1.600	11.5
1,2-Dibromo-3-Chloropropane	0.325	0.289	0.301	0.214	0.243	0.305	0.279	15.1
1,2,4-Trichlorobenzene	1.058	0.976	0.989	0.785	0.902	1.105	0.969	11.8
1,2,3-Trichlorobenzene	1.098	0.894	0.937	0.736	0.848	1.062	0.929	14.5
1,2-Dichloroethane-d4		0.914	0.915	0.799	0.822	0.872	0.865	6.1
Dibromofluoromethane		0.343	0.344	0.315	0.327	0.350	0.336	4.3
Toluene-d8		1.283	1.298	1.224	1.283	1.384	1.294	4.4
4-Bromofluorobenzene		0.435	0.457	0.439	0.466	0.488	0.457	4.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N102325W.M
Title : SW846 8260
Last Update : Sat Oct 25 00:15:22 2025
Response Via : Initial Calibration

Calibration Files
1 =VN088078.D 5 =VN088079.D 20 =VN088080.D 50 =VN088081.D 100 =VN088082.D 150 =VN088083.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.606	0.645	0.594	0.458	0.493	0.588	0.564	12.84
3)	P	Chloromethane	0.782	0.707	0.725	0.519	0.579	0.669	0.664	14.74
4)	C	Vinyl Chloride	0.801	0.784	0.787	0.581	0.639	0.746	0.723	12.62#
5)	T	Bromomethane		0.527	0.485	0.341	0.389	0.420	0.432	17.19
6)	T	Chloroethane	0.598	0.601	0.558	0.413	0.447	0.509	0.521	15.15
7)	T	Trichlorofluor...	1.199	1.317	1.246	0.955	1.031	1.171	1.153	11.77
8)	T	Diethyl Ether	0.456	0.501	0.455	0.320	0.400	0.440	0.429	14.57
9)	T	1,1,2-Trichlor...	0.637	0.632	0.612	0.476	0.561	0.653	0.595	11.19
10)	T	Methyl Iodide		0.430	0.550	0.456	0.674	0.609	0.544	18.85
11)	T	Tert butyl alc...		0.164	0.170	0.116	0.151	0.144	0.149	14.24
12)	CM	1,1-Dichloroet...	0.806	0.686	0.631	0.462	0.547	0.637	0.628	18.71#
13)	T	Acrolein		0.196	0.172	0.124	0.163	0.183	0.168	16.30
14)	T	Allyl chloride	1.325	1.149	1.106	0.813	1.124	1.093	1.102	14.98
15)	T	Acrylonitrile	0.398	0.423	0.452	0.324	0.426	0.413	0.406	10.82
16)	T	Acetone	0.563	0.441	0.440	0.319	0.411	0.431	0.434	17.93
17)	T	Carbon Disulfide	2.143	2.041	1.984	1.483	1.917	1.895	1.910	11.92
18)	T	Methyl Acetate	0.982	0.910	0.980	0.688	0.896	0.880	0.889	12.10
19)	T	Methyl tert-bu...	2.356	2.498	2.493	1.790	2.370	2.342	2.308	11.40
20)	T	Methylene Chlo...	0.894	0.774	0.775	0.540	0.708	0.684	0.729	16.17
21)	T	trans-1,2-Dich...	0.820	0.716	0.715	0.536	0.673	0.678	0.690	13.32
22)	T	Diisopropyl ether	2.325	2.460	2.644	1.883	2.138	2.449	2.317	11.68
23)	T	Vinyl Acetate	1.958	2.237	2.387	1.737	1.958	2.244	2.087	11.60
24)	P	1,1-Dichloroet...	1.371	1.432	1.418	1.026	1.142	1.312	1.283	12.80
25)	T	2-Butanone	0.615	0.616	0.639	0.465	0.516	0.584	0.572	11.81
26)	T	2,2-Dichloropr...	1.403	1.226	1.234	0.920	1.023	1.190	1.166	14.65
27)	T	cis-1,2-Dichlo...	0.884	0.892	0.868	0.626	0.694	0.800	0.794	13.94
28)	T	Bromochloromet...	0.608	0.669	0.549	0.589	0.596	0.627	0.606	6.59
29)	T	Tetrahydrofuran	0.413	0.385	0.422	0.296	0.340	0.382	0.373	12.63
30)	C	Chloroform	1.334	1.433	1.405	1.040	1.162	1.318	1.282	11.82#
31)	T	Cyclohexane		1.488	1.301	0.965	1.055	1.243	1.210	17.05
32)	T	1,1,1-Trichlor...	1.293	1.230	1.241	0.912	1.014	1.160	1.142	13.00
33)	S	1,2-Dichloroet...		0.914	0.915	0.799	0.822	0.872	0.865	6.10
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.343	0.344	0.315	0.327	0.350	0.336	4.27
36)	T	1,1-Dichloropr...	0.515	0.514	0.530	0.406	0.453	0.525	0.490	10.21
37)	T	Ethyl Acetate	0.742	0.656	0.676	0.491	0.579	0.653	0.633	13.72
38)	T	Carbon Tetrach...	0.544	0.525	0.538	0.417	0.470	0.546	0.507	10.30
39)	T	Methylcyclohexane	0.701	0.649	0.634	0.524	0.578	0.698	0.630	11.01
40)	TM	Benzene	1.621	1.577	1.609	1.216	1.372	1.566	1.494	10.93
41)	T	Methacrylonitrile	0.394	0.342	0.354	0.271	0.296	0.342	0.333	13.12
42)	TM	1,2-Dichloroet...	0.552	0.572	0.590	0.436	0.480	0.554	0.531	11.22
43)	T	Isopropyl Acetate	0.991	1.008	1.066	0.810	0.913	1.047	0.973	9.81
44)	TM	Trichloroethene	0.375	0.374	0.374	0.284	0.318	0.369	0.349	11.10
45)	C	1,2-Dichloropr...	0.420	0.408	0.397	0.306	0.340	0.391	0.377	11.73#
46)	T	Dibromomethane	0.275	0.298	0.295	0.218	0.246	0.281	0.269	11.50
47)	T	Bromodichlorom...	0.561	0.570	0.589	0.439	0.499	0.573	0.538	10.77
48)	T	Methyl methacr...	0.488	0.429	0.489	0.372	0.425	0.490	0.449	10.78
49)	T	1,4-Dioxane	0.005	0.006	0.006	0.004	0.005	0.006	0.006	13.34
50)	S	Toluene-d8		1.283	1.298	1.223	1.283	1.384	1.294	4.45
51)	T	4-Methyl-2-Pen...	0.548	0.600	0.647	0.485	0.552	0.620	0.575	10.20
52)	CM	Toluene	0.971	0.958	0.991	0.755	0.862	0.989	0.921	10.23#
53)	T	t-1,3-Dichloro...	0.554	0.576	0.618	0.479	0.559	0.652	0.573	10.40
54)	T	cis-1,3-Dichlo...	0.615	0.622	0.652	0.501	0.587	0.671	0.608	9.91
55)	T	1,1,2-Trichlor...	0.421	0.348	0.374	0.281	0.317	0.355	0.349	13.68
56)	T	Ethyl methacry...	0.515	0.518	0.592	0.475	0.566	0.650	0.553	11.40

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N102325W.M

57)	T	1,3-Dichloropr...	0.639	0.647	0.674	0.506	0.572	0.647	0.614	10.25
58)	T	2-Chloroethyl ...	0.280	0.274	0.299	0.245	0.280	0.348	0.288	11.93
59)	T	2-Hexanone	0.369	0.332	0.418	0.333	0.392	0.447	0.382	12.13
60)	T	Dibromochlorom...	0.418	0.392	0.433	0.327	0.377	0.436	0.397	10.44
61)	T	1,2-Dibromoethane	0.403	0.356	0.384	0.289	0.339	0.388	0.360	11.60
62)	S	4-Bromofluorob...		0.435	0.457	0.439	0.466	0.488	0.457	4.80
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.400	0.344	0.335	0.258	0.298	0.344	0.330	14.61
65)	PM	Chlorobenzene	1.197	1.208	1.205	0.941	1.053	1.208	1.135	9.93
66)	T	1,1,1,2-Tetrac...	0.396	0.385	0.395	0.310	0.348	0.397	0.372	9.57
67)	C	Ethyl Benzene	2.069	2.066	2.123	1.649	1.873	2.177	1.993	9.89#
68)	T	m/p-Xylenes	0.733	0.774	0.804	0.635	0.708	0.827	0.747	9.41
69)	T	o-Xylene	0.670	0.742	0.764	0.604	0.684	0.784	0.708	9.57
70)	T	Styrene	0.946	1.204	1.276	1.011	1.165	1.325	1.154	12.89
71)	P	Bromoform	0.268	0.274	0.294	0.233	0.276	0.320	0.278	10.43
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.189	3.857	4.067	3.173	3.580	4.272	3.856	10.83
74)	T	N-amyl acetate		0.931	0.993	0.920	1.094	1.535	1.095	23.37
75)	P	1,1,2,2-Tetrac...	1.304	1.258	1.336	0.957	1.080	1.270	1.201	12.42
76)	T	1,2,3-Trichlor...	1.334	1.351	1.062	0.930	1.014	1.169	1.143	15.11
77)	T	Bromobenzene	0.826	0.859	0.926	0.687	0.789	0.902	0.832	10.37
78)	T	n-propylbenzene	4.874	4.855	4.930	3.925	4.436	5.217	4.706	9.71
79)	T	2-Chlorotoluene	2.492	2.833	2.974	2.245	2.545	3.014	2.684	11.35
80)	T	1,3,5-Trimethy...	3.329	3.254	3.385	2.669	3.028	3.551	3.203	9.76
81)	T	trans-1,4-Dich...		0.422	0.399	0.317	0.403	0.508	0.410	16.68
82)	T	4-Chlorotoluene	3.219	3.019	3.114	2.345	2.623	3.102	2.904	11.81
83)	T	tert-Butylbenzene	3.154	2.876	3.002	2.358	2.646	3.131	2.861	10.80
84)	T	1,2,4-Trimethy...	3.242	3.316	3.465	2.700	3.012	3.491	3.204	9.42
85)	T	sec-Butylbenzene	4.578	4.273	4.382	3.490	3.881	4.616	4.203	10.43
86)	T	p-Isopropyltol...	3.269	3.541	3.602	2.866	3.170	3.783	3.372	9.90
87)	T	1,3-Dichlorobe...	1.777	1.673	1.822	1.380	1.535	1.773	1.660	10.33
88)	T	1,4-Dichlorobe...	2.065	1.953	1.863	1.399	1.582	1.836	1.783	13.86
89)	T	n-Butylbenzene	3.396	3.438	3.493	2.827	3.158	3.730	3.340	9.32
90)	T	Hexachloroethane	0.687	0.679	0.671	0.535	0.610	0.736	0.653	10.77
91)	T	1,2-Dichlorobe...	1.768	1.652	1.678	1.291	1.469	1.744	1.600	11.52
92)	T	1,2-Dibromo-3-...	0.325	0.289	0.301	0.214	0.243	0.305	0.279	15.13
93)	T	1,2,4-Trichlor...	1.058	0.976	0.989	0.785	0.902	1.105	0.969	11.80
94)	T	Hexachlorobuta...	0.412	0.374	0.373	0.293	0.319	0.395	0.361	12.69
95)	T	Naphthalene	3.451	3.110	3.437	2.732	3.203	3.987	3.320	12.63
96)	T	1,2,3-Trichlor...	1.098	0.894	0.937	0.736	0.848	1.062	0.929	14.54

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088078.D
Acq On : 23 Oct 2025 09:42
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:50:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.206	168	310632	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.083	114	586229	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.847	117	509993	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233824	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	3763	1.074	ug/l		96
3) Chloromethane	2.389	50	4857	1.178	ug/l		88
4) Vinyl Chloride	2.542	62	4975	1.108	ug/l		98
6) Chloroethane	3.136	64	3717	1.149	ug/l	#	72
7) Trichlorofluoromethane	3.501	101	7446	1.039	ug/l		87
8) Diethyl Ether	3.959	74	2835	1.065	ug/l		60
9) 1,1,2-Trichlorotrifluo...	4.353	101	3959	1.071	ug/l	#	22
12) 1,1-Dichloroethene	4.348	96	5008	1.283	ug/l	#	64
14) Allyl chloride	5.012	41	8229m	1.206	ug/l		
15) Acrylonitrile	5.712	53	12351	4.900	ug/l		95
16) Acetone	4.424	43	17476	6.476	ug/l		95
17) Carbon Disulfide	4.700	76	13312	1.122	ug/l		96
18) Methyl Acetate	5.024	43	6099	1.104	ug/l	#	86
19) Methyl tert-butyl Ether	5.777	73	14637	1.021	ug/l		93
20) Methylene Chloride	5.265	84	5554	2.075	ug/l		93
21) trans-1,2-Dichloroethene	5.765	96	5093m	1.180	ug/l		
22) Diisopropyl ether	6.659	45	14446	1.004	ug/l		89
23) Vinyl Acetate	6.594	43	60828	4.692	ug/l	#	93
24) 1,1-Dichloroethane	6.553	63	8517	1.068	ug/l	#	82
25) 2-Butanone	7.477	43	19098m	5.426	ug/l		
26) 2,2-Dichloropropane	7.477	77	8718	1.203	ug/l		93
27) cis-1,2-Dichloroethene	7.471	96	5492	1.113	ug/l		93
28) Bromochloromethane	7.800	49	3776	1.002	ug/l	#	98
29) Tetrahydrofuran	7.836	42	12815	5.529	ug/l	#	65
30) Chloroform	7.953	83	8286	1.040	ug/l		96
32) 1,1,1-Trichloroethane	8.153	97	8036	1.133	ug/l	#	43
36) 1,1-Dichloropropene	8.347	75	6036	1.050	ug/l		90
37) Ethyl Acetate	7.553	43	8700m	1.177	ug/l		
38) Carbon Tetrachloride	8.347	117	6381	1.074	ug/l	#	92
39) Methylcyclohexane	9.583	83	8221	1.112	ug/l		92
40) Benzene	8.588	78	19008	1.085	ug/l		96
41) Methacrylonitrile	7.771	41	4616	1.182	ug/l	#	89
42) 1,2-Dichloroethane	8.653	62	6475	1.041	ug/l		100
43) Isopropyl Acetate	8.671	43	11616	1.019	ug/l		96
44) Trichloroethene	9.330	130	4394	1.073	ug/l		93
45) 1,2-Dichloropropane	9.600	63	4927	1.114	ug/l		91

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088078.D
Acq On : 23 Oct 2025 09:42
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 02:50:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	Dibromomethane	9.688	93	3222	1.022	ug/l		90
47)	Bromodichloromethane	9.871	83	6578	1.042	ug/l	#	99
48)	Methyl methacrylate	9.671	41	5726m	1.057	ug/l		
49)	1,4-Dioxane	9.700	88	1238m	18.907	ug/l		
51)	4-Methyl-2-Pentanone	10.430	43	32109	4.760	ug/l		96
52)	Toluene	10.606	92	11382	1.054	ug/l		90
53)	t-1,3-Dichloropropene	10.818	75	6496	0.967	ug/l		99
54)	cis-1,3-Dichloropropene	10.294	75	7213	1.012	ug/l		98
55)	1,1,2-Trichloroethane	11.000	97	4933	1.204	ug/l	#	82
56)	Ethyl methacrylate	10.871	69	6039m	0.933	ug/l		
57)	1,3-Dichloropropane	11.147	76	7489	1.040	ug/l		89
58)	2-Chloroethyl Vinyl ether	10.141	63	16393	4.862	ug/l		99
59)	2-Hexanone	11.182	43	21660m	4.891	ug/l		
60)	Dibromochloromethane	11.341	129	4900	1.052	ug/l		90
61)	1,2-Dibromoethane	11.447	107	4721	1.120	ug/l		83
64)	Tetrachloroethene	11.088	164	4083	1.214	ug/l	#	79
65)	Chlorobenzene	11.876	112	12205	1.054	ug/l	#	89
66)	1,1,1,2-Tetrachloroethane	11.941	131	4044	1.066	ug/l	#	65
67)	Ethyl Benzene	11.947	91	21103	1.038	ug/l		96
68)	m/p-Xylenes	12.053	106	14958	1.964	ug/l		93
69)	o-Xylene	12.382	106	6831	0.946	ug/l		98
70)	Styrene	12.394	104	9645	0.819	ug/l		99
71)	Bromoform	12.565	173	2730	0.964	ug/l	#	100
73)	Isopropylbenzene	12.676	105	19589	1.086	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.923	83	6098	1.086	ug/l		98
76)	1,2,3-Trichloropropane	12.971	75	6237m	1.246	ug/l		
77)	Bromobenzene	12.959	156	3862	0.993	ug/l		71
78)	n-propylbenzene	13.018	91	22793	1.036	ug/l		99
79)	2-Chlorotoluene	13.106	91	11655	0.929	ug/l		93
80)	1,3,5-Trimethylbenzene	13.153	105	15569	1.039	ug/l		98
82)	4-Chlorotoluene	13.200	91	15055	1.109	ug/l		93
83)	tert-Butylbenzene	13.418	119	14748	1.102	ug/l		98
84)	1,2,4-Trimethylbenzene	13.459	105	15160	1.012	ug/l		97
85)	sec-Butylbenzene	13.594	105	21410	1.089	ug/l		96
86)	p-Isopropyltoluene	13.712	119	15289	0.970	ug/l		90
87)	1,3-Dichlorobenzene	13.718	146	8312	1.071	ug/l		100
88)	1,4-Dichlorobenzene	13.788	146	9656m	1.155	ug/l		
89)	n-Butylbenzene	14.035	91	15880	1.017	ug/l		97
90)	Hexachloroethane	14.312	117	3211	1.052	ug/l		96
91)	1,2-Dichlorobenzene	14.088	146	8266	1.105	ug/l		98
92)	1,2-Dibromo-3-Chloropr...	14.700	75	1522	1.165	ug/l		75
93)	1,2,4-Trichlorobenzene	15.370	180	4946	1.091	ug/l		90
94)	Hexachlorobutadiene	15.476	225	1928	1.142	ug/l		96
95)	Naphthalene	15.617	128	16137	1.039	ug/l		99
96)	1,2,3-Trichlorobenzene	15.823	180	5137	1.182	ug/l		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

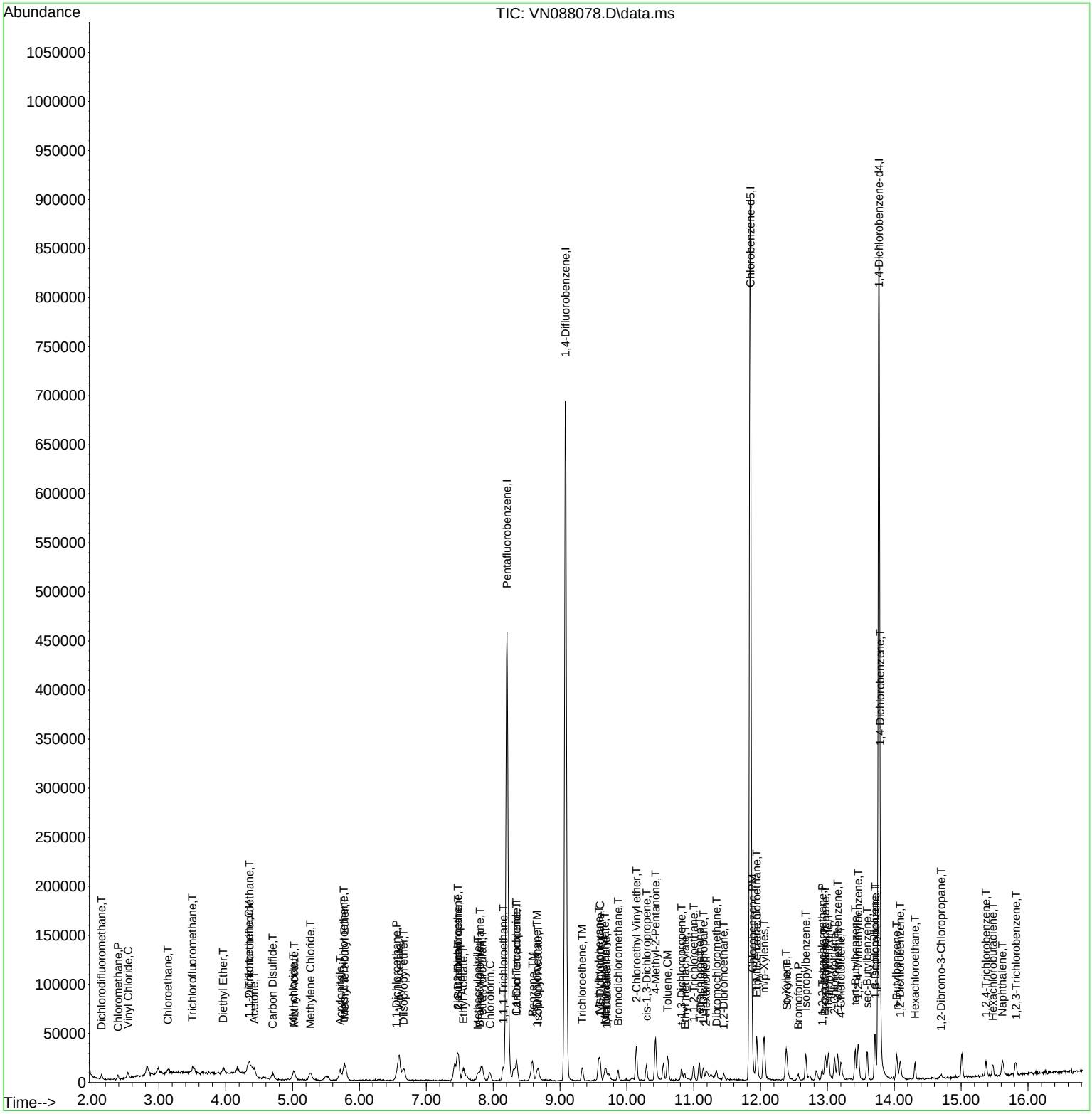
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088078.D
Acq On : 23 Oct 2025 09:42
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 02:50:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088079.D
Acq On : 23 Oct 2025 10:38
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:51:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.206	168	296128	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.082	114	570271	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.841	117	502295	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	241248	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.559	65	27065	5.285	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 10.580%#				
35) Dibromofluoromethane	8.147	113	19551	5.103	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 10.200%#				
50) Toluene-d8	10.547	98	73162	4.956	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 9.920%#				
62) 4-Bromofluorobenzene	12.835	95	24787	4.755	ug/l		0.01
Spiked Amount 50.000	Range 77 - 121		Recovery = 9.500%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	19109	5.721	ug/l		91
3) Chloromethane	2.383	50	20946	5.330	ug/l		100
4) Vinyl Chloride	2.536	62	23220	5.423	ug/l		96
5) Bromomethane	2.971	94	15617	6.098	ug/l	#	80
6) Chloroethane	3.142	64	17800	5.770	ug/l	#	84
7) Trichlorofluoromethane	3.506	101	39012	5.713	ug/l		98
8) Diethyl Ether	3.959	74	14837	5.846	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.377	101	18719	5.312	ug/l		94
10) Methyl Iodide	4.589	142	12726	7.564	ug/l		91
11) Tert butyl alcohol	5.524	59	24255	27.494	ug/l	#	89
12) 1,1-Dichloroethene	4.342	96	20326	5.461	ug/l		88
13) Acrolein	4.171	56	29003	29.228	ug/l		93
14) Allyl chloride	5.012	41	34031	5.232	ug/l		99
15) Acrylonitrile	5.706	53	62612	26.056	ug/l		98
16) Acetone	4.430	43	65332	25.396	ug/l		99
17) Carbon Disulfide	4.706	76	60437	5.342	ug/l		97
18) Methyl Acetate	5.024	43	26935	5.114	ug/l		99
19) Methyl tert-butyl Ether	5.789	73	73958	5.411	ug/l		97
20) Methylene Chloride	5.265	84	22926	6.410	ug/l		97
21) trans-1,2-Dichloroethene	5.783	96	21204	5.152	ug/l		86
22) Diisopropyl ether	6.665	45	72852	5.310	ug/l		100
23) Vinyl Acetate	6.588	43	331195	26.799	ug/l		100
24) 1,1-Dichloroethane	6.547	63	42391	5.578	ug/l		96
25) 2-Butanone	7.477	43	91150	27.166	ug/l		95
26) 2,2-Dichloropropane	7.477	77	36306	5.257	ug/l		97
27) cis-1,2-Dichloroethene	7.471	96	26415	5.616	ug/l		96
28) Bromochloromethane	7.794	49	19805	5.515	ug/l		96
29) Tetrahydrofuran	7.824	42	56989	25.793	ug/l		99
30) Chloroform	7.947	83	42443	5.590	ug/l		97
31) Cyclohexane	8.241	56	44056	6.146	ug/l		95
32) 1,1,1-Trichloroethane	8.147	97	36411	5.384	ug/l	#	85
36) 1,1-Dichloropropene	8.353	75	29318	5.241	ug/l		96
37) Ethyl Acetate	7.547	43	37387	5.201	ug/l	#	94
38) Carbon Tetrachloride	8.347	117	29915	5.178	ug/l		93
39) Methylcyclohexane	9.582	83	37009	5.147	ug/l		96
40) Benzene	8.588	78	89925	5.279	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088079.D
Acq On : 23 Oct 2025 10:38
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 02:51:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	19516	5.137	ug/l		93
42) 1,2-Dichloroethane	8.653	62	32612	5.388	ug/l		99
43) Isopropyl Acetate	8.671	43	57498	5.184	ug/l		97
44) Trichloroethene	9.335	130	21346	5.361	ug/l		86
45) 1,2-Dichloropropane	9.594	63	23273	5.411	ug/l		95
46) Dibromomethane	9.682	93	17012	5.546	ug/l		95
47) Bromodichloromethane	9.865	83	32518	5.295	ug/l		91
48) Methyl methacrylate	9.665	41	24475	4.645	ug/l		92
49) 1,4-Dioxane	9.688	88	6763	106.179	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.424	43	170979	26.055	ug/l		98
52) Toluene	10.606	92	54632	5.201	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	32833	5.023	ug/l		96
54) cis-1,3-Dichloropropene	10.288	75	35495	5.118	ug/l		94
55) 1,1,2-Trichloroethane	10.994	97	19869	4.986	ug/l		92
56) Ethyl methacrylate	10.859	69	29566	4.695	ug/l		97
57) 1,3-Dichloropropane	11.141	76	36892	5.267	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.141	63	78095	23.808	ug/l		99
59) 2-Hexanone	11.182	43	94577	21.954	ug/l		97
60) Dibromochloromethane	11.335	129	22347	4.934	ug/l		99
61) 1,2-Dibromoethane	11.447	107	20284	4.946	ug/l		96
64) Tetrachloroethene	11.082	164	17289	5.218	ug/l		88
65) Chlorobenzene	11.870	112	60700	5.322	ug/l		90
66) 1,1,1,2-Tetrachloroethane	11.941	131	19321	5.171	ug/l		95
67) Ethyl Benzene	11.941	91	103756	5.183	ug/l		98
68) m/p-Xylenes	12.047	106	77736	10.363	ug/l		92
69) o-Xylene	12.382	106	37251	5.239	ug/l		98
70) Styrene	12.394	104	60467	5.215	ug/l		98
71) Bromoform	12.559	173	13744	4.929	ug/l	#	92
73) Isopropylbenzene	12.676	105	93056	5.001	ug/l		100
74) N-amyl acetate	12.865	43	22461m	4.171	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	30348	5.239	ug/l		98
76) 1,2,3-Trichloropropane	12.976	75	32601m	6.313	ug/l		
77) Bromobenzene	12.959	156	20721	5.164	ug/l		82
78) n-propylbenzene	13.012	91	117114	5.158	ug/l		98
79) 2-Chlorotoluene	13.106	91	68350	5.278	ug/l		98
80) 1,3,5-Trimethylbenzene	13.153	105	78511	5.081	ug/l		95
81) trans-1,4-Dichloro-2-b...	12.723	75	10183m	5.137	ug/l		
82) 4-Chlorotoluene	13.200	91	72836	5.199	ug/l		100
83) tert-Butylbenzene	13.417	119	69371	5.025	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	80008	5.175	ug/l		100
85) sec-Butylbenzene	13.594	105	103097	5.083	ug/l		98
86) p-Isopropyltoluene	13.706	119	85421	5.250	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	40364	5.039	ug/l		96
88) 1,4-Dichlorobenzene	13.788	146	47112	5.462	ug/l		95
89) n-Butylbenzene	14.035	91	82932	5.146	ug/l		99
90) Hexachloroethane	14.312	117	16391	5.202	ug/l		99
91) 1,2-Dichlorobenzene	14.082	146	39857	5.162	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	6964	5.165	ug/l		92
93) 1,2,4-Trichlorobenzene	15.370	180	23547	5.036	ug/l		99
94) Hexachlorobutadiene	15.476	225	9028	5.185	ug/l		97
95) Naphthalene	15.617	128	75031	4.684	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	21577	4.812	ug/l		94

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088079.D
Acq On : 23 Oct 2025 10:38
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:51:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

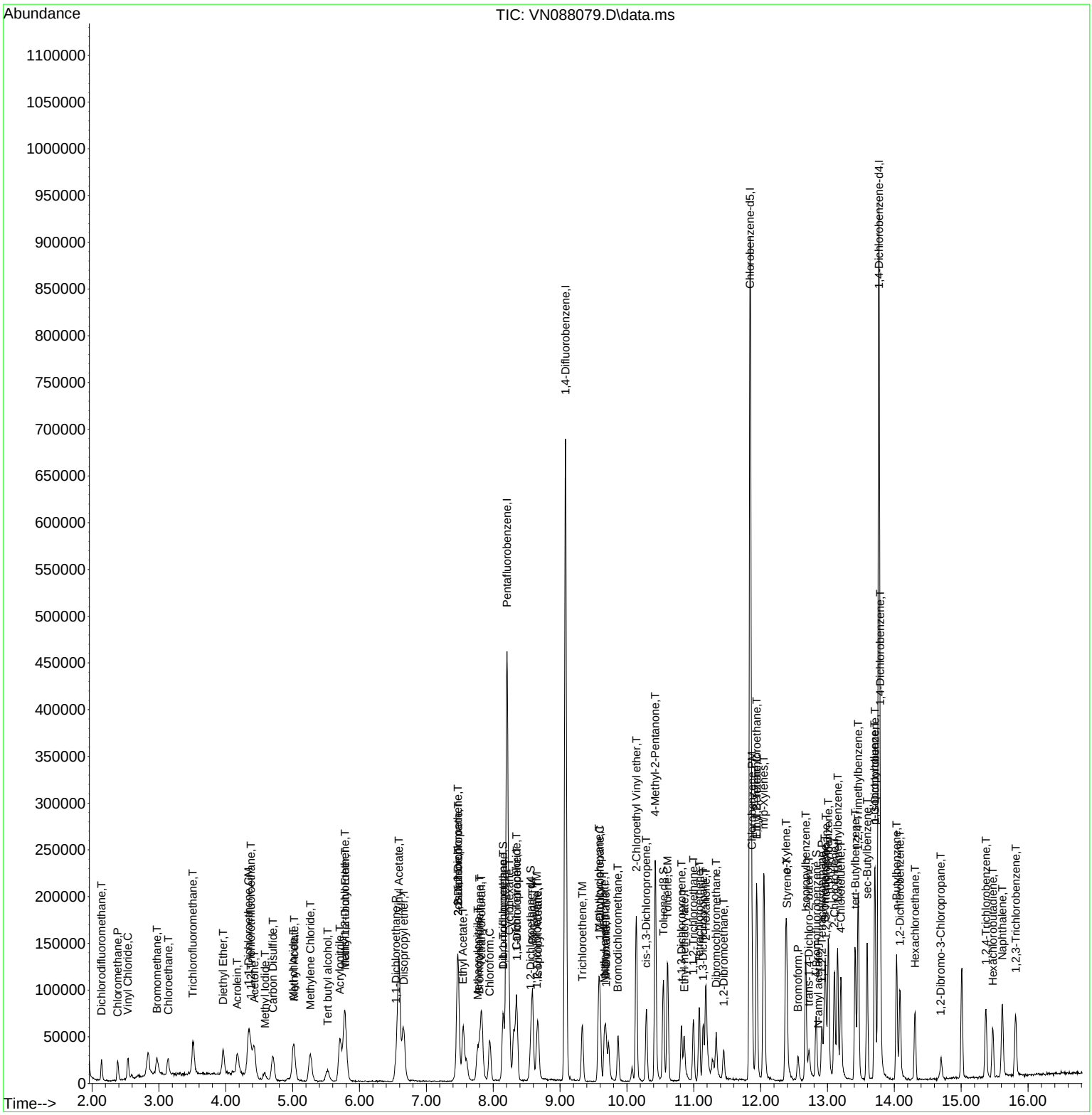
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088079.D
Acq On : 23 Oct 2025 10:38
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 02:51:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088080.D
Acq On : 23 Oct 2025 10:59
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 02:52:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	282090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	546178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	485620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	241242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	103292	21.175	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.360%#		
35) Dibromofluoromethane	8.147	113	75221	20.500	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.000%#		
50) Toluene-d8	10.547	98	283564	20.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.120%#		
62) 4-Bromofluorobenzene	12.829	95	99923	20.012	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.020%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	67069	21.078	ug/l	97
3) Chloromethane	2.383	50	81817	21.856	ug/l	96
4) Vinyl Chloride	2.536	62	88776	21.765	ug/l	98
5) Bromomethane	2.983	94	54697	22.420	ug/l	99
6) Chloroethane	3.136	64	62949	21.421	ug/l	93
7) Trichlorofluoromethane	3.512	101	140569	21.608	ug/l	95
8) Diethyl Ether	3.971	74	51299	21.217	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	69023	20.561	ug/l	98
10) Methyl Iodide	4.583	142	62029	21.370	ug/l	97
11) Tert butyl alcohol	5.524	59	95809	114.009	ug/l	97
12) 1,1-Dichloroethene	4.342	96	71244	20.094	ug/l	97
13) Acrolein	4.183	56	97190	102.818	ug/l	99
14) Allyl chloride	5.012	41	124762	20.136	ug/l	98
15) Acrylonitrile	5.706	53	254966	111.383	ug/l	98
16) Acetone	4.424	43	248513	101.409	ug/l	96
17) Carbon Disulfide	4.706	76	223844	20.769	ug/l	99
18) Methyl Acetate	5.018	43	110595	22.044	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	281317	21.605	ug/l	94
20) Methylene Chloride	5.265	84	87400	23.333	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	80726	20.591	ug/l	95
22) Diisopropyl ether	6.653	45	298356	22.828	ug/l	96
23) Vinyl Acetate	6.589	43	1346497	114.374	ug/l	100
24) 1,1-Dichloroethane	6.559	63	159981	22.098	ug/l	97
25) 2-Butanone	7.471	43	360240	112.706	ug/l	96
26) 2,2-Dichloropropane	7.471	77	139276	21.169	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	97968	21.866	ug/l	100
28) Bromochloromethane	7.800	49	61975	18.117	ug/l	99
29) Tetrahydrofuran	7.824	42	237998	113.080	ug/l	99
30) Chloroform	7.947	83	158515	21.917	ug/l	99
31) Cyclohexane	8.236	56	146770	21.495	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	140074	21.745	ug/l	92
36) 1,1-Dichloropropene	8.353	75	115884	21.630	ug/l	99
37) Ethyl Acetate	7.547	43	147787	21.466	ug/l	99
38) Carbon Tetrachloride	8.341	117	117435	21.223	ug/l	90
39) Methylcyclohexane	9.583	83	138414	20.099	ug/l	96
40) Benzene	8.588	78	351627	21.551	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088080.D
Acq On : 23 Oct 2025 10:59
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 02:52:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	77407	21.272	ug/l		100
42) 1,2-Dichloroethane	8.653	62	128925	22.239	ug/l		99
43) Isopropyl Acetate	8.677	43	232810	21.914	ug/l		97
44) Trichloroethene	9.330	130	81811	21.452	ug/l		88
45) 1,2-Dichloropropane	9.600	63	86639	21.033	ug/l		97
46) Dibromomethane	9.688	93	64404	21.923	ug/l		99
47) Bromodichloromethane	9.871	83	128781	21.895	ug/l		95
48) Methyl methacrylate	9.659	41	106892	21.182	ug/l		97
49) 1,4-Dioxane	9.677	88	28059	459.958	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.424	43	706841	112.466	ug/l		99
52) Toluene	10.606	92	216580	21.530	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	135097	21.581	ug/l		94
54) cis-1,3-Dichloropropene	10.294	75	142472	21.447	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	81773	21.426	ug/l		97
56) Ethyl methacrylate	10.859	69	129419	21.460	ug/l		99
57) 1,3-Dichloropropane	11.141	76	147164	21.938	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	326199	103.833	ug/l		99
59) 2-Hexanone	11.177	43	456992	110.762	ug/l		96
60) Dibromochloromethane	11.335	129	94659	21.821	ug/l		97
61) 1,2-Dibromoethane	11.447	107	83824	21.341	ug/l		97
64) Tetrachloroethene	11.082	164	65019	20.298	ug/l		94
65) Chlorobenzene	11.871	112	233976	21.219	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.941	131	76803	21.259	ug/l		97
67) Ethyl Benzene	11.941	91	412481	21.311	ug/l		98
68) m/p-Xylenes	12.047	106	312179	43.046	ug/l		98
69) o-Xylene	12.376	106	148393	21.585	ug/l		99
70) Styrene	12.388	104	247794	22.103	ug/l		98
71) Bromoform	12.559	173	57194	21.214	ug/l	#	94
73) Isopropylbenzene	12.671	105	392471	21.093	ug/l		98
74) N-amyl acetate	12.671	43	95839m	17.796	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	128906	22.253	ug/l		98
76) 1,2,3-Trichloropropane	12.971	75	102475m	19.844	ug/l		
77) Bromobenzene	12.959	156	89317	22.261	ug/l		93
78) n-propylbenzene	13.012	91	475747	20.952	ug/l		98
79) 2-Chlorotoluene	13.100	91	286955	22.160	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	326659	21.139	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.718	75	38485	19.415	ug/l		84
82) 4-Chlorotoluene	13.200	91	300449	21.446	ug/l		99
83) tert-Butylbenzene	13.412	119	289688	20.986	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	334370	21.627	ug/l		99
85) sec-Butylbenzene	13.594	105	422803	20.848	ug/l		99
86) p-Isopropyltoluene	13.706	119	347584	21.364	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	175823	21.951	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	179756	20.841	ug/l		99
89) n-Butylbenzene	14.035	91	337053	20.915	ug/l		99
90) Hexachloroethane	14.306	117	64770	20.558	ug/l		99
91) 1,2-Dichlorobenzene	14.082	146	161912	20.971	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.694	75	29025	21.527	ug/l		97
93) 1,2,4-Trichlorobenzene	15.370	180	95446	20.412	ug/l		99
94) Hexachlorobutadiene	15.476	225	35960	20.651	ug/l		96
95) Naphthalene	15.612	128	331649	20.704	ug/l		100
96) 1,2,3-Trichlorobenzene	15.812	180	90374	20.157	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088080.D
Acq On : 23 Oct 2025 10:59
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:52:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

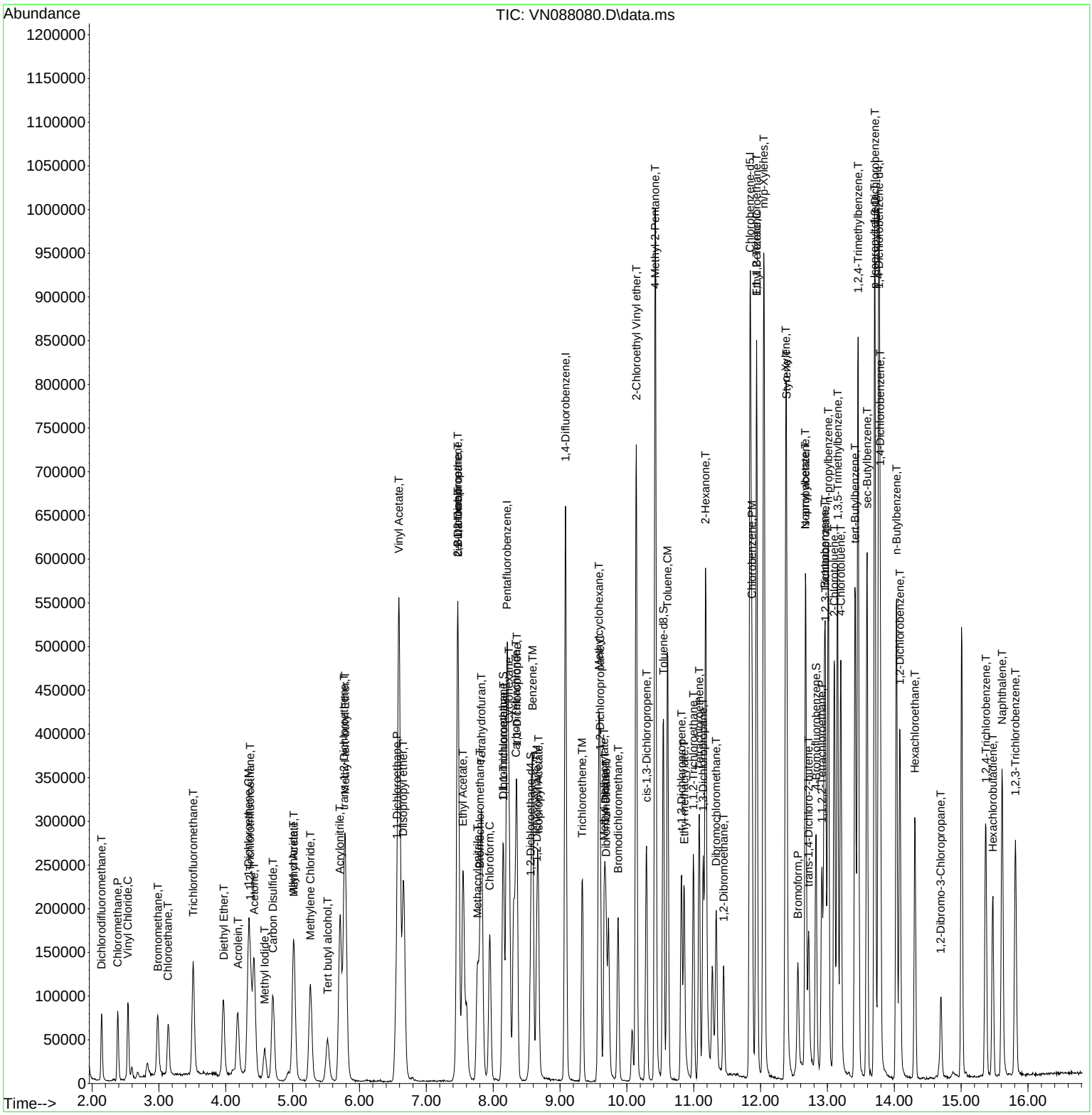
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088080.D
Acq On : 23 Oct 2025 10:59
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 02:52:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:50:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088081.D
Acq On : 23 Oct 2025 11:20
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:42:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	338069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	628399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	559795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	281739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	270271	46.232	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.460%			
35) Dibromofluoromethane	8.147	113	198004	46.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.800%			
50) Toluene-d8	10.547	98	768846	47.265	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.540%			
62) 4-Bromofluorobenzene	12.829	95	275556	47.966	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	154728	40.575	ug/l	97
3) Chloromethane	2.383	50	175497	39.118	ug/l	100
4) Vinyl Chloride	2.542	62	196434	40.185	ug/l	98
5) Bromomethane	2.977	94	115396	39.468	ug/l	97
6) Chloroethane	3.142	64	139507	39.611	ug/l	97
7) Trichlorofluoromethane	3.512	101	322932	41.420	ug/l	94
8) Diethyl Ether	3.959	74	108102	37.307	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	160825	39.976	ug/l	97
10) Methyl Iodide	4.583	142	154156	39.794	ug/l	96
11) Tert butyl alcohol	5.524	59	195274	193.892	ug/l	97
12) 1,1-Dichloroethene	4.341	96	156355	36.797	ug/l	93
13) Acrolein	4.177	56	209393	184.839	ug/l	100
14) Allyl chloride	5.012	41	274719	36.996	ug/l	97
15) Acrylonitrile	5.712	53	547451	199.555	ug/l	98
16) Acetone	4.424	43	539588	183.727	ug/l	99
17) Carbon Disulfide	4.706	76	501402	38.818	ug/l	98
18) Methyl Acetate	5.018	43	232583	38.683	ug/l	97
19) Methyl tert-butyl Ether	5.783	73	605018	38.771	ug/l	96
20) Methylene Chloride	5.265	84	182571	40.095	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	181288	38.584	ug/l	95
22) Diisopropyl ether	6.659	45	636418	40.632	ug/l	97
23) Vinyl Acetate	6.588	43	2935326	208.046	ug/l	99
24) 1,1-Dichloroethane	6.553	63	346792	39.970	ug/l	96
25) 2-Butanone	7.471	43	786350	205.282	ug/l	100
26) 2,2-Dichloropropane	7.471	77	311175	39.466	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	211777	39.442	ug/l	99
28) Bromochloromethane	7.794	49	199116	48.569	ug/l	99
29) Tetrahydrofuran	7.824	42	501146	198.682	ug/l	100
30) Chloroform	7.947	83	351684	40.574	ug/l	97
31) Cyclohexane	8.235	56	326389	39.886	ug/l	91
32) 1,1,1-Trichloroethane	8.153	97	308171	39.919	ug/l	98
36) 1,1-Dichloropropene	8.353	75	254886	41.351	ug/l	98
37) Ethyl Acetate	7.547	43	308710	38.973	ug/l	96
38) Carbon Tetrachloride	8.347	117	262154	41.178	ug/l	93
39) Methylcyclohexane	9.582	83	329045	41.530	ug/l	97
40) Benzene	8.588	78	764344	40.717	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088081.D
Acq On : 23 Oct 2025 11:20
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 02:42:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	169994	40.604	ug/l		100
42) 1,2-Dichloroethane	8.653	62	274103	41.094	ug/l		100
43) Isopropyl Acetate	8.671	43	509309	41.668	ug/l		99
44) Trichloroethene	9.335	130	178438	40.667	ug/l		100
45) 1,2-Dichloropropane	9.600	63	192587	40.637	ug/l		97
46) Dibromomethane	9.688	93	137229	40.600	ug/l		99
47) Bromodichloromethane	9.871	83	275730	40.745	ug/l		97
48) Methyl methacrylate	9.659	41	233909	40.288	ug/l		96
49) 1,4-Dioxane	9.682	88	55303	787.940	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.423	43	1524408	210.814	ug/l		99
52) Toluene	10.606	92	474479	40.995	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	300895	41.776	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	314717	41.178	ug/l		95
55) 1,1,2-Trichloroethane	10.994	97	176797	40.263	ug/l		98
56) Ethyl methacrylate	10.853	69	298768	43.059	ug/l		97
57) 1,3-Dichloropropane	11.141	76	317787	41.174	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	769938	213.014	ug/l		100
59) 2-Hexanone	11.176	43	1044741	220.085	ug/l		98
60) Dibromochloromethane	11.335	129	205395	41.154	ug/l		100
61) 1,2-Dibromoethane	11.447	107	181469	40.156	ug/l		97
64) Tetrachloroethene	11.082	164	144389	39.103	ug/l		96
65) Chlorobenzene	11.870	112	526904	41.452	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	173604	41.687	ug/l		99
67) Ethyl Benzene	11.941	91	923328	41.382	ug/l		100
68) m/p-Xylenes	12.047	106	710517	84.991	ug/l		95
69) o-Xylene	12.376	106	337999	42.650	ug/l		97
70) Styrene	12.388	104	565710	43.775	ug/l		99
71) Bromoform	12.559	173	130569	42.013	ug/l	#	99
73) Isopropylbenzene	12.676	105	893962	41.140	ug/l		98
74) N-amyl acetate	12.506	43	259151m	51.362	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	269498	39.836	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	261895m	43.425	ug/l		
77) Bromobenzene	12.959	156	193682	41.334	ug/l		98
78) n-propylbenzene	13.012	91	1105898	41.704	ug/l		98
79) 2-Chlorotoluene	13.100	91	632531	41.827	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	751960	41.667	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.717	75	89183	38.524	ug/l	#	81
82) 4-Chlorotoluene	13.200	91	660605	40.376	ug/l		97
83) tert-Butylbenzene	13.417	119	664441	41.215	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	760563	42.122	ug/l		99
85) sec-Butylbenzene	13.594	105	983204	41.511	ug/l		100
86) p-Isopropyltoluene	13.706	119	807519	42.500	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	388787	41.563	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	394135	39.127	ug/l		98
89) n-Butylbenzene	14.035	91	796348	42.312	ug/l		99
90) Hexachloroethane	14.306	117	150804	40.985	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	363732	40.339	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	60256	38.267	ug/l		96
93) 1,2,4-Trichlorobenzene	15.370	180	221034	40.476	ug/l		98
94) Hexachlorobutadiene	15.476	225	82469	40.553	ug/l		99
95) Naphthalene	15.611	128	769709	41.144	ug/l		100
96) 1,2,3-Trichlorobenzene	15.811	180	207445	39.618	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088081.D
Acq On : 23 Oct 2025 11:20
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:42:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

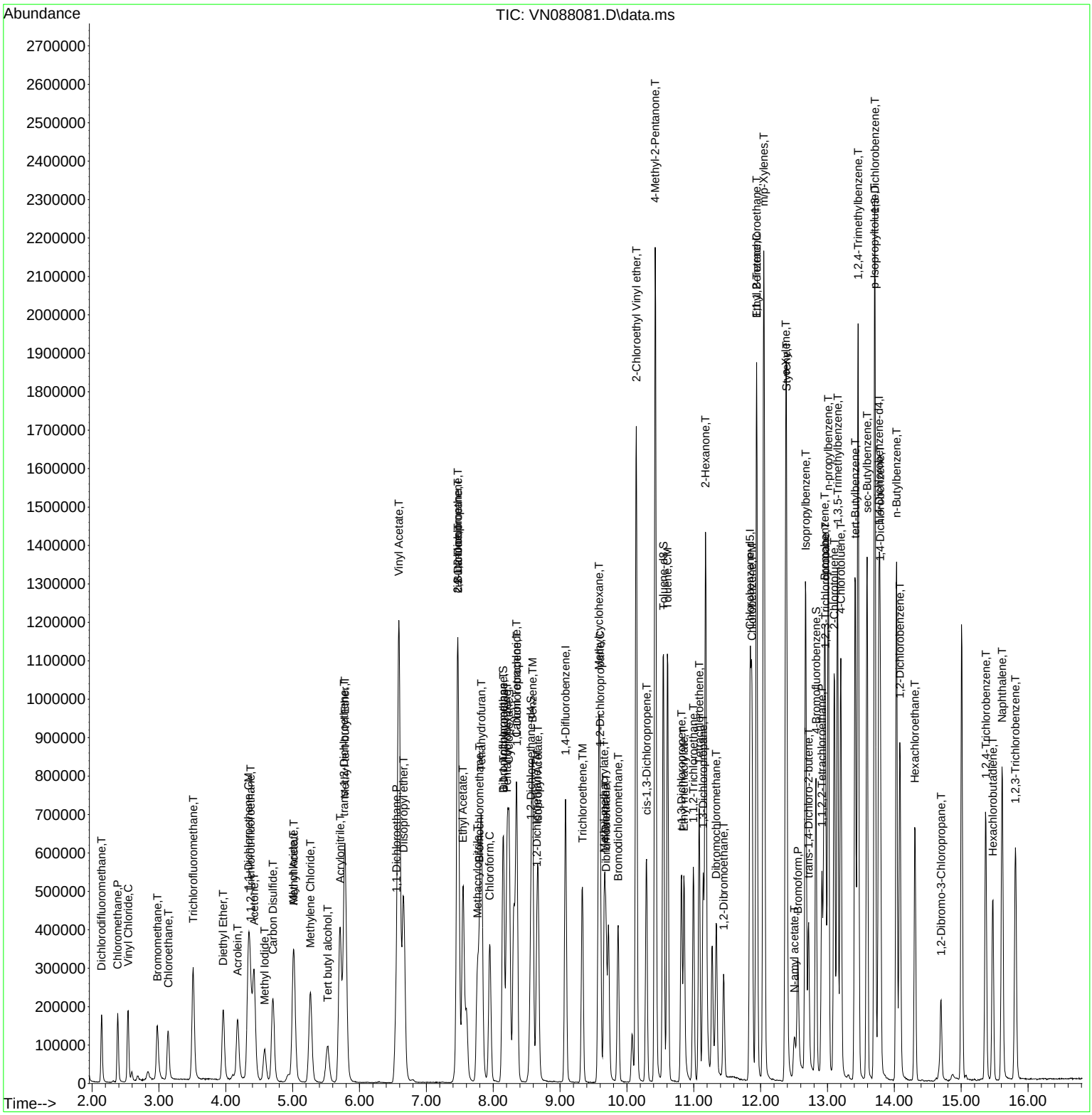
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088081.D
Acq On : 23 Oct 2025 11:20
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 02:42:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088082.D
Acq On : 23 Oct 2025 11:41
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 02:43:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	328655	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	610283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	541844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	276404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	540367	95.083	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.160%#			
35) Dibromofluoromethane	8.147	113	399554	97.454	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 194.900%#			
50) Toluene-d8	10.547	98	1566524	99.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 198.320%#			
62) 4-Bromofluorobenzene	12.829	95	569341	102.048	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.100%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	323877	87.364	ug/l	98
3) Chloromethane	2.383	50	380310	87.199	ug/l	99
4) Vinyl Chloride	2.536	62	419872	88.355	ug/l	98
5) Bromomethane	2.959	94	255765	89.983	ug/l	99
6) Chloroethane	3.130	64	293645	85.765	ug/l	99
7) Trichlorofluoromethane	3.506	101	677579	89.398	ug/l	97
8) Diethyl Ether	3.959	74	262726	93.266	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	368583	94.241	ug/l	99
10) Methyl Iodide	4.577	142	443084	109.415	ug/l	99
11) Tert butyl alcohol	5.524	59	496669	507.281	ug/l	97
12) 1,1-Dichloroethene	4.330	96	359796	87.100	ug/l	96
13) Acrolein	4.177	56	535773	486.494	ug/l	100
14) Allyl chloride	5.012	41	739017	102.372	ug/l	97
15) Acrylonitrile	5.706	53	1398460	524.363	ug/l	98
16) Acetone	4.424	43	1352111	473.573	ug/l	95
17) Carbon Disulfide	4.700	76	1260006	100.343	ug/l	97
18) Methyl Acetate	5.012	43	588757	100.725	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	1557573	102.672	ug/l	99
20) Methylene Chloride	5.265	84	465262	103.852	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	442419	96.858	ug/l	97
22) Diisopropyl ether	6.659	45	1405211	92.284	ug/l	99
23) Vinyl Acetate	6.588	43	6435529	469.193	ug/l	100
24) 1,1-Dichloroethane	6.553	63	750482	88.975	ug/l	98
25) 2-Butanone	7.471	43	1695926	455.416	ug/l	99
26) 2,2-Dichloropropane	7.471	77	672222	87.699	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	456379	87.431	ug/l	97
28) Bromochloromethane	7.800	49	392057	98.372	ug/l	97
29) Tetrahydrofuran	7.824	42	1118711	456.222	ug/l	99
30) Chloroform	7.953	83	763656	90.626	ug/l	100
31) Cyclohexane	8.241	56	693259	87.146	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	666712	88.836	ug/l	97
36) 1,1-Dichloropropene	8.353	75	552930	92.365	ug/l	98
37) Ethyl Acetate	7.547	43	706621	91.855	ug/l	98
38) Carbon Tetrachloride	8.347	117	573295	92.723	ug/l	96
39) Methylcyclohexane	9.582	83	705005	91.622	ug/l	96
40) Benzene	8.588	78	1675215	91.888	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088082.D
Acq On : 23 Oct 2025 11:41
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 02:43:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.759	41	361660	88.949 ug/l		98
42) 1,2-Dichloroethane	8.653	62	585932	90.453 ug/l		100
43) Isopropyl Acetate	8.671	43	1114940	93.923 ug/l		98
44) Trichloroethene	9.335	130	388649	91.204 ug/l		94
45) 1,2-Dichloropropane	9.600	63	414728	90.107 ug/l		99
46) Dibromomethane	9.688	93	300542	91.556 ug/l		99
47) Bromodichloromethane	9.871	83	608546	92.594 ug/l	#	98
48) Methyl methacrylate	9.665	41	518783	92.006 ug/l		97
49) 1,4-Dioxane	9.682	88	129011	1892.672 ug/l	#	99
51) 4-Methyl-2-Pentanone	10.423	43	3369067	479.746 ug/l		99
52) Toluene	10.606	92	1051747	93.569 ug/l		97
53) t-1,3-Dichloropropene	10.818	75	682584	97.583 ug/l		98
54) cis-1,3-Dichloropropene	10.294	75	716101	96.477 ug/l		95
55) 1,1,2-Trichloroethane	10.994	97	386802	90.704 ug/l		98
56) Ethyl methacrylate	10.853	69	690302	102.440 ug/l		96
57) 1,3-Dichloropropane	11.141	76	698638	93.206 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	1711029	487.433 ug/l		99
59) 2-Hexanone	11.176	43	2389312	518.272 ug/l		99
60) Dibromochloromethane	11.335	129	460237	94.953 ug/l		100
61) 1,2-Dibromoethane	11.447	107	413544	94.227 ug/l		99
64) Tetrachloroethene	11.082	164	322496	90.231 ug/l		97
65) Chlorobenzene	11.870	112	1141556	92.783 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.935	131	377142	93.562 ug/l		99
67) Ethyl Benzene	11.941	91	2030094	94.000 ug/l		99
68) m/p-Xylenes	12.047	106	1533978	189.570 ug/l		97
69) o-Xylene	12.376	106	741253	96.633 ug/l		98
70) Styrene	12.388	104	1262211	100.907 ug/l		99
71) Bromoform	12.559	173	299375	99.521 ug/l	#	98
73) Isopropylbenzene	12.676	105	1978907	92.826 ug/l		99
74) N-amyl acetate	12.488	43	604970	95.060 ug/l	#	89
75) 1,1,2,2-Tetrachloroethane	12.917	83	596827	89.923 ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	560461m	94.724 ug/l		
77) Bromobenzene	12.959	156	436345	94.918 ug/l		98
78) n-propylbenzene	13.012	91	2451982	94.250 ug/l		98
79) 2-Chlorotoluene	13.100	91	1406851	94.825 ug/l		100
80) 1,3,5-Trimethylbenzene	13.147	105	1673751	94.536 ug/l		98
81) trans-1,4-Dichloro-2-b...	12.717	75	222990	98.182 ug/l	#	79
82) 4-Chlorotoluene	13.200	91	1449779	90.321 ug/l		97
83) tert-Butylbenzene	13.417	119	1462710	92.484 ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	1665233	94.006 ug/l		99
85) sec-Butylbenzene	13.594	105	2145645	92.338 ug/l		100
86) p-Isopropyltoluene	13.706	119	1752529	94.017 ug/l		100
87) 1,3-Dichlorobenzene	13.711	146	848480	92.456 ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	874733	88.514 ug/l		99
89) n-Butylbenzene	14.035	91	1745999	94.560 ug/l		99
90) Hexachloroethane	14.311	117	337079	93.379 ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	812199	91.813 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	134329	86.956 ug/l		94
93) 1,2,4-Trichlorobenzene	15.364	180	498767	93.098 ug/l		99
94) Hexachlorobutadiene	15.476	225	176342	88.389 ug/l		98
95) Naphthalene	15.611	128	1770584	96.473 ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	468875	91.276 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088082.D
Acq On : 23 Oct 2025 11:41
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:43:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

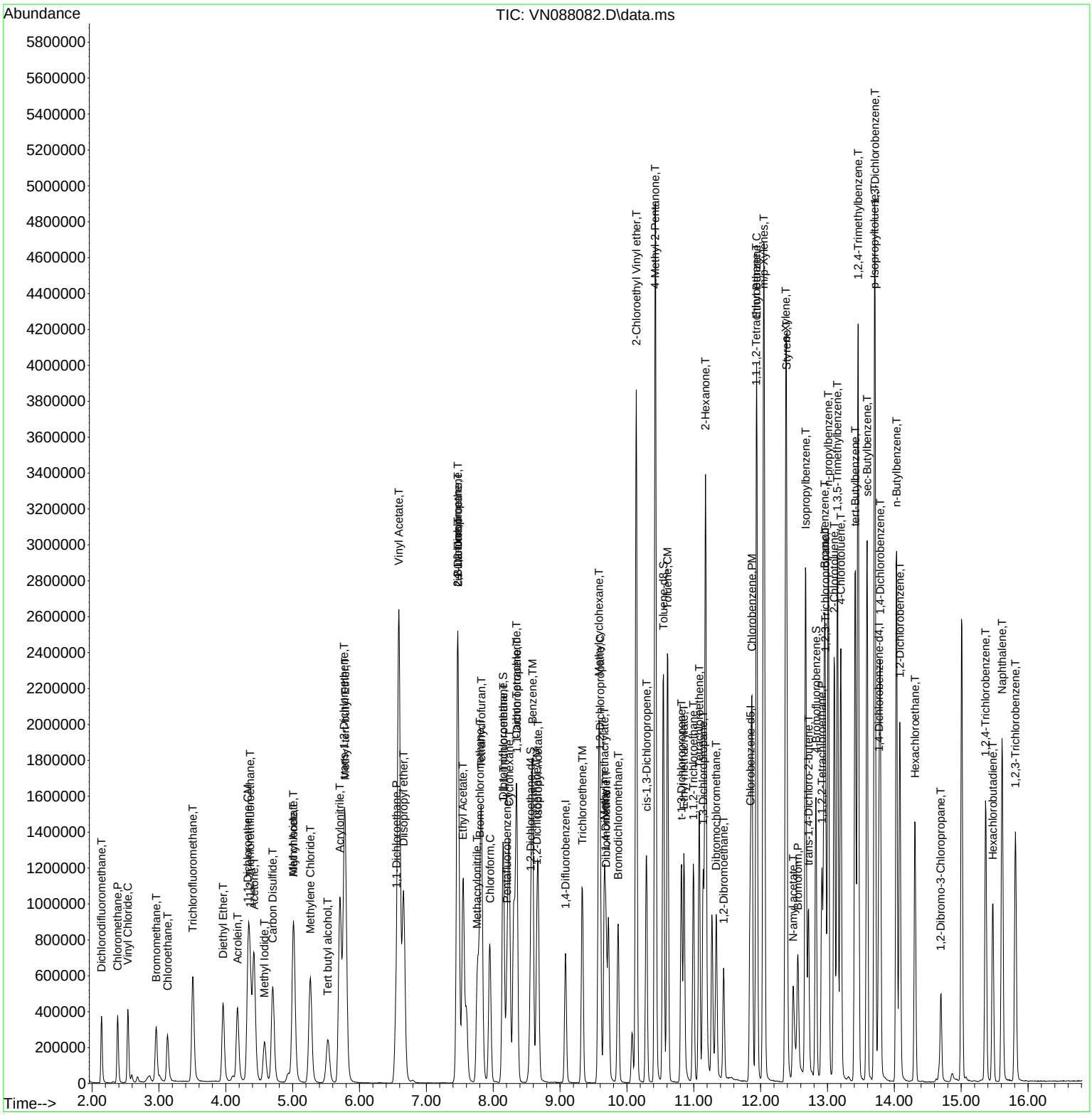
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088082.D
Acq On : 23 Oct 2025 11:41
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 02:43:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088083.D
Acq On : 23 Oct 2025 12:02
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	317042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	583838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	513566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	251277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	829477	151.300	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 302.600%#			
35) Dibromofluoromethane	8.147	113	612902	156.263	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 312.520%#			
50) Toluene-d8	10.547	98	2423445	160.354	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 320.700%#			
62) 4-Bromofluorobenzene	12.823	95	855591	160.301	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 320.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	559446	156.435	ug/l	100
3) Chloromethane	2.383	50	636497	151.285	ug/l	100
4) Vinyl Chloride	2.536	62	709780	154.833	ug/l	98
5) Bromomethane	2.942	94	399041	145.533	ug/l	99
6) Chloroethane	3.118	64	483772	146.472	ug/l	100
7) Trichlorofluoromethane	3.506	101	1113526	152.297	ug/l	97
8) Diethyl Ether	3.959	74	418383	153.964	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	620616	164.495	ug/l	99
10) Methyl Iodide	4.577	142	579553	146.858	ug/l	98
11) Tert butyl alcohol	5.536	59	687112	727.499	ug/l	98
12) 1,1-Dichloroethene	4.336	96	605802	152.025	ug/l	99
13) Acrolein	4.171	56	868773	817.761	ug/l	99
14) Allyl chloride	5.006	41	1039367	149.252	ug/l	97
15) Acrylonitrile	5.706	53	1962438	762.784	ug/l	99
16) Acetone	4.418	43	2050839	744.611	ug/l	97
17) Carbon Disulfide	4.700	76	1802128	148.772	ug/l	99
18) Methyl Acetate	5.012	43	837402	148.512	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	2227290	152.197	ug/l	98
20) Methylene Chloride	5.259	84	650781	150.235	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	645153	146.416	ug/l	98
22) Diisopropyl ether	6.659	45	2329739	158.605	ug/l	99
23) Vinyl Acetate	6.589	43	10671220	806.501	ug/l	100
24) 1,1-Dichloroethane	6.553	63	1247462	153.312	ug/l	98
25) 2-Butanone	7.471	43	2779236	773.659	ug/l	99
26) 2,2-Dichloropropane	7.471	77	1131888	153.076	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	760672	151.064	ug/l	99
28) Bromochloromethane	7.794	49	596061	155.037	ug/l	97
29) Tetrahydrofuran	7.824	42	1817452	768.325	ug/l	100
30) Chloroform	7.947	83	1253456	154.201	ug/l	99
31) Cyclohexane	8.236	56	1181969	154.021	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	1103627	152.438	ug/l	96
36) 1,1-Dichloropropene	8.353	75	919113	160.490	ug/l	99
37) Ethyl Acetate	7.547	43	1144197	155.473	ug/l	98
38) Carbon Tetrachloride	8.341	117	956561	161.719	ug/l	96
39) Methylcyclohexane	9.577	83	1221844	165.983	ug/l	98
40) Benzene	8.588	78	2742115	157.221	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088083.D
Acq On : 23 Oct 2025 12:02
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 24 02:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.765	41	598399	153.840 ug/l	98
42) 1,2-Dichloroethane	8.653	62	970030	156.530 ug/l	100
43) Isopropyl Acetate	8.671	43	1833475	161.449 ug/l	98
44) Trichloroethene	9.335	130	646011	158.466 ug/l	95
45) 1,2-Dichloropropane	9.600	63	685501	155.683 ug/l	100
46) Dibromomethane	9.688	93	492395	156.795 ug/l	98
47) Bromodichloromethane	9.871	83	1002977	159.522 ug/l	98
48) Methyl methacrylate	9.659	41	858241	159.103 ug/l	96
49) 1,4-Dioxane	9.682	88	216888	3326.006 ug/l #	100
51) 4-Methyl-2-Pentanone	10.424	43	5433828	808.811 ug/l	99
52) Toluene	10.606	92	1731531	161.024 ug/l	97
53) t-1,3-Dichloropropene	10.812	75	1142477	170.728 ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	1176069	165.622 ug/l	95
55) 1,1,2-Trichloroethane	10.994	97	621088	152.240 ug/l	97
56) Ethyl methacrylate	10.853	69	1139330	176.733 ug/l	97
57) 1,3-Dichloropropane	11.141	76	1133717	158.102 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	3047762	907.564 ug/l	100
59) 2-Hexanone	11.177	43	3910437	886.644 ug/l	99
60) Dibromochloromethane	11.341	129	763098	164.568 ug/l	99
61) 1,2-Dibromoethane	11.447	107	679250	161.779 ug/l	99
64) Tetrachloroethene	11.082	164	530165	156.503 ug/l	94
65) Chlorobenzene	11.871	112	1860929	159.579 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	611842	160.145 ug/l	99
67) Ethyl Benzene	11.941	91	3353341	163.821 ug/l	100
68) m/p-Xylenes	12.047	106	2548912	332.341 ug/l	96
69) o-Xylene	12.376	106	1207897	166.137 ug/l	98
70) Styrene	12.388	104	2041763	172.216 ug/l	100
71) Bromoform	12.559	173	493476	173.079 ug/l #	98
73) Isopropylbenzene	12.671	105	3220528	166.175 ug/l	99
74) N-amyl acetate	12.482	43	1157298	151.264 ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.918	83	957146	158.633 ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	880864m	163.762 ug/l	
77) Bromobenzene	12.959	156	680258	162.773 ug/l	100
78) n-propylbenzene	13.012	91	3932907	166.291 ug/l	98
79) 2-Chlorotoluene	13.100	91	2271825	168.438 ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	2676801	166.308 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.712	75	383072	185.532 ug/l #	79
82) 4-Chlorotoluene	13.200	91	2338686	160.269 ug/l	98
83) tert-Butylbenzene	13.418	119	2359884	164.130 ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	2631783	163.426 ug/l	98
85) sec-Butylbenzene	13.594	105	3479715	164.725 ug/l	100
86) p-Isopropyltoluene	13.706	119	2852012	168.299 ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	1336615	160.211 ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	1384247	154.079 ug/l	100
89) n-Butylbenzene	14.029	91	2811417	167.487 ug/l	98
90) Hexachloroethane	14.306	117	554569	168.991 ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	1314340	163.434 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	229843	163.663 ug/l	95
93) 1,2,4-Trichlorobenzene	15.364	180	833168	171.067 ug/l	99
94) Hexachlorobutadiene	15.476	225	297412	163.980 ug/l	99
95) Naphthalene	15.612	128	3005848	180.155 ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	800234	171.359 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088083.D
Acq On : 23 Oct 2025 12:02
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 02:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

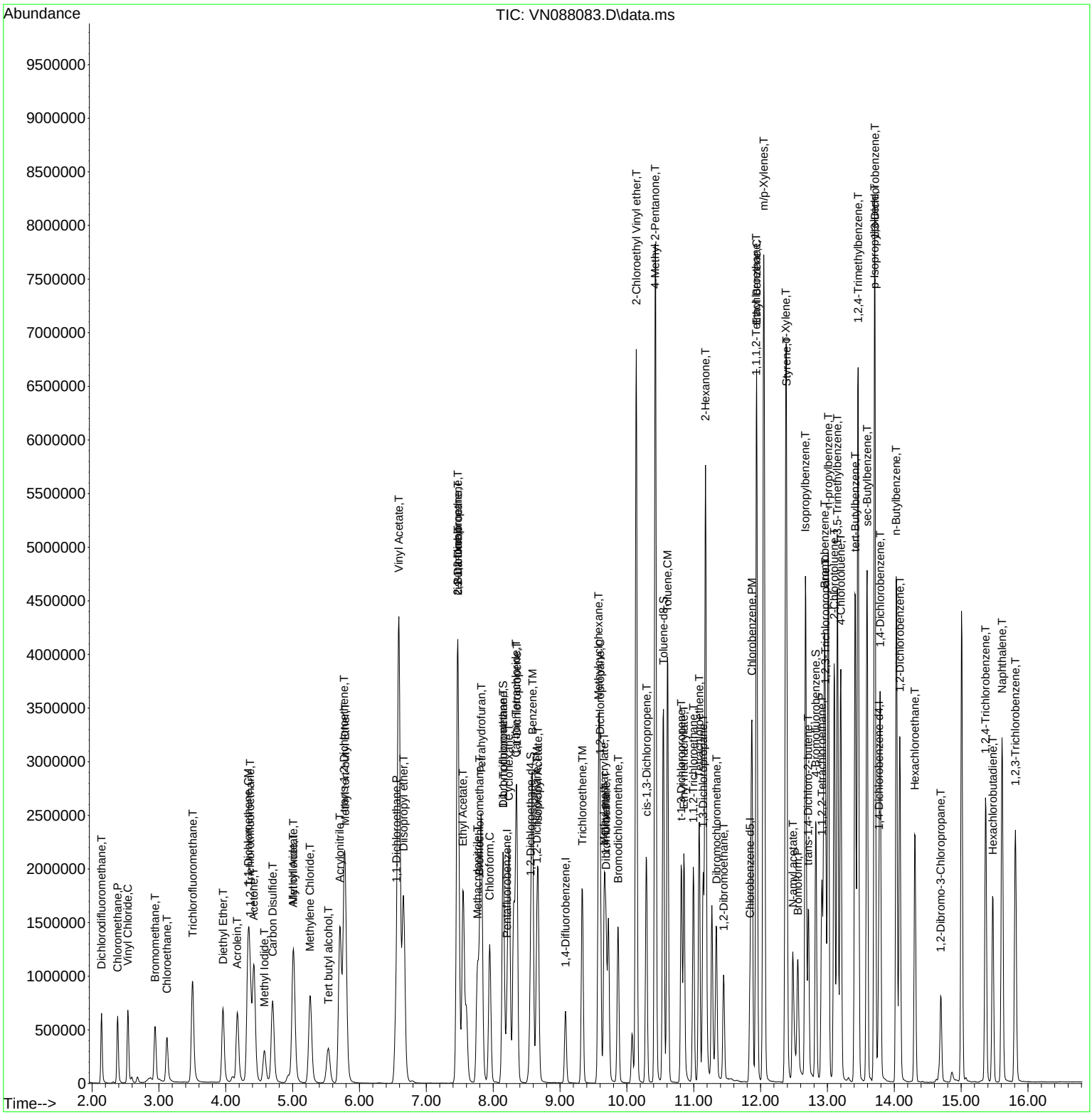
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088083.D
Acq On : 23 Oct 2025 12:02
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 24 02:44:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 02:37:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	329791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	629673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	552962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	275365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	266313	46.699	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.400%			
35) Dibromofluoromethane	8.147	113	194019	45.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.740%			
50) Toluene-d8	10.547	98	763509	46.842	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.680%			
62) 4-Bromofluorobenzene	12.829	95	270623	47.012	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	181807	48.872	ug/l	100
3) Chloromethane	2.383	50	219077	50.058	ug/l	100
4) Vinyl Chloride	2.536	62	236939	49.688	ug/l	100
5) Bromomethane	2.971	94	148038	51.903	ug/l	99
6) Chloroethane	3.136	64	174590	50.817	ug/l	95
7) Trichlorofluoromethane	3.512	101	391081	51.420	ug/l	100
8) Diethyl Ether	3.959	74	151702	53.668	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	214444	54.641	ug/l	98
10) Methyl Iodide	4.583	142	188924	48.914	ug/l	94
11) Tert butyl alcohol	5.512	59	223370	227.357	ug/l	100
12) 1,1-Dichloroethene	4.336	96	214504	51.748	ug/l	99
13) Acrolein	4.177	56	314965	285.010	ug/l	99
14) Allyl chloride	5.012	41	338733	46.622	ug/l	97
15) Acrylonitrile	5.706	53	652411	243.784	ug/l	98
16) Acetone	4.418	43	708708	247.368	ug/l	98
17) Carbon Disulfide	4.706	76	597135	47.390	ug/l	98
18) Methyl Acetate	5.018	43	278412	47.467	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	754371	49.555	ug/l	99
20) Methylene Chloride	5.259	84	226995	50.891	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	217864	47.883	ug/l	99
22) Diisopropyl ether	6.653	45	789811	51.691	ug/l	98
23) Vinyl Acetate	6.589	43	3597787	261.399	ug/l	99
24) 1,1-Dichloroethane	6.547	63	422648	49.935	ug/l	98
25) 2-Butanone	7.465	43	930039	246.326	ug/l	99
26) 2,2-Dichloropropane	7.471	77	384885	50.040	ug/l	99
27) cis-1,2-Dichloroethene	7.465	96	258806	49.410	ug/l	98
28) Bromochloromethane	7.794	49	202137	50.544	ug/l	100
29) Tetrahydrofuran	7.818	42	604070	245.497	ug/l	99
30) Chloroform	7.947	83	423655	50.104	ug/l	96
31) Cyclohexane	8.236	56	395022	49.485	ug/l	96
32) 1,1,1-Trichloroethane	8.147	97	374970	49.791	ug/l	98
36) 1,1-Dichloropropene	8.353	75	305017	49.383	ug/l	97
37) Ethyl Acetate	7.547	43	368137	46.186	ug/l	97
38) Carbon Tetrachloride	8.341	117	320797	50.287	ug/l	98
39) Methylcyclohexane	9.583	83	396292	49.916	ug/l	97
40) Benzene	8.588	78	933204	49.611	ug/l	97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	201543	48.042	ug/l		99
42) 1,2-Dichloroethane	8.647	62	333208	49.855	ug/l		100
43) Isopropyl Acetate	8.671	43	617708	50.434	ug/l		98
44) Trichloroethene	9.330	130	215931	49.112	ug/l		97
45) 1,2-Dichloropropane	9.600	63	233818	49.237	ug/l		94
46) Dibromomethane	9.688	93	169580	50.069	ug/l		98
47) Bromodichloromethane	9.865	83	341897	50.420	ug/l		97
48) Methyl methacrylate	9.659	41	285311	50.456	ug/l		97
49) 1,4-Dioxane	9.677	88	68041	967.465	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	1835452	253.315	ug/l		99
52) Toluene	10.606	92	584587	50.407	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	378294	52.416	ug/l		98
54) cis-1,3-Dichloropropene	10.288	75	396097	51.721	ug/l		96
55) 1,1,2-Trichloroethane	10.994	97	212827	48.370	ug/l		96
56) Ethyl methacrylate	10.853	69	377487	54.214	ug/l		96
57) 1,3-Dichloropropane	11.141	76	393469	50.877	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	973004	268.651	ug/l		99
59) 2-Hexanone	11.177	43	1284662	267.268	ug/l		98
60) Dibromochloromethane	11.341	129	253809	50.751	ug/l		99
61) 1,2-Dibromoethane	11.447	107	226306	49.976	ug/l		99
64) Tetrachloroethene	11.082	164	175856	48.214	ug/l		97
65) Chlorobenzene	11.871	112	637824	50.798	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.935	131	209987	51.047	ug/l		98
67) Ethyl Benzene	11.941	91	1128615	51.208	ug/l		99
68) m/p-Xylenes	12.047	106	859721	104.109	ug/l		98
69) o-Xylene	12.376	106	414102	52.899	ug/l		97
70) Styrene	12.388	104	691022	54.133	ug/l		99
71) Bromoform	12.559	173	158376	51.590	ug/l	#	98
73) Isopropylbenzene	12.671	105	1095685	51.590	ug/l		99
74) N-amyl acetate	12.500	43	282147	58.174	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.918	83	327851	49.583	ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	313480m	49.793	ug/l		
77) Bromobenzene	12.959	156	240684	52.553	ug/l		98
78) n-propylbenzene	13.012	91	1344076	51.859	ug/l		98
79) 2-Chlorotoluene	13.100	91	775440	52.463	ug/l		100
80) 1,3,5-Trimethylbenzene	13.147	105	914603	51.853	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.718	75	115268	51.074	ug/l	#	80
82) 4-Chlorotoluene	13.200	91	807500	50.497	ug/l		98
83) tert-Butylbenzene	13.418	119	807306	51.237	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	923338	52.321	ug/l		99
85) sec-Butylbenzene	13.594	105	1189055	51.364	ug/l		99
86) p-Isopropyltoluene	13.706	119	993123	53.478	ug/l		100
87) 1,3-Dichlorobenzene	13.712	146	469549	51.358	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	481076	48.992	ug/l		99
89) n-Butylbenzene	14.035	91	950993	51.698	ug/l		98
90) Hexachloroethane	14.306	117	181442	50.453	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	447427	50.769	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	72041	46.810	ug/l		97
93) 1,2,4-Trichlorobenzene	15.365	180	265531	49.750	ug/l		99
94) Hexachlorobutadiene	15.470	225	96309	48.455	ug/l		97
95) Naphthalene	15.612	128	919023	50.263	ug/l		100
96) 1,2,3-Trichlorobenzene	15.812	180	250044	48.860	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

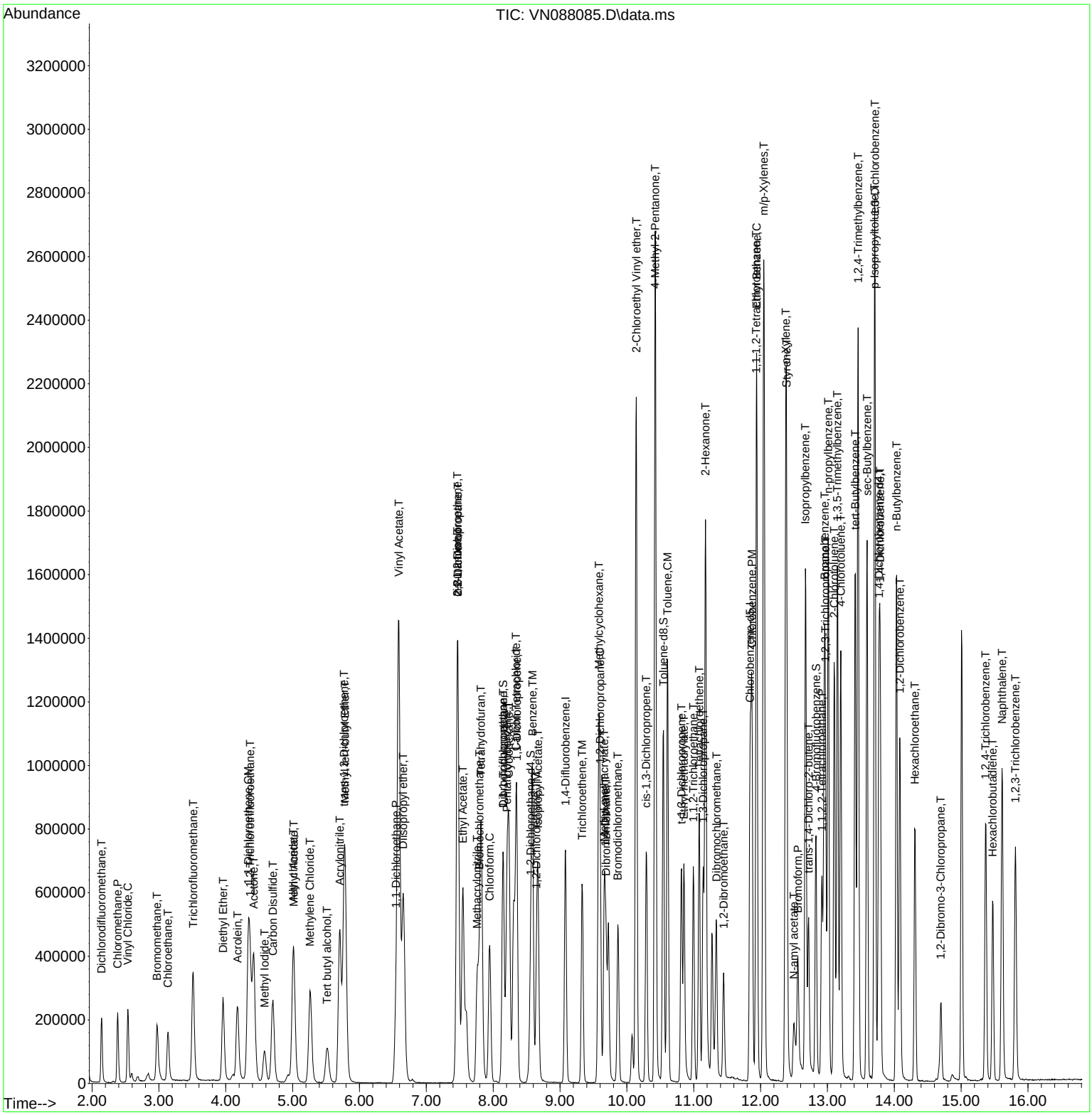
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Manual Integrations APPROVED

Reviewed By :John Carlone 10/24/2025
Supervised By :Mahesh Dadoda 10/27/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	0.564	0.551	2.3	118	0.00
3	P	Chloromethane	0.664	0.664	0.0	125	0.00
4	C	Vinyl Chloride	0.723	0.718	0.7#	121	0.00
5	T	Bromomethane	0.432	0.449	-3.9	128	0.00
6	T	Chloroethane	0.521	0.529	-1.5	125	0.00
7	T	Trichlorofluoromethane	1.153	1.186	-2.9	121	0.00
8	T	Diethyl Ether	0.429	0.460	-7.2	140	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.595	0.650	-9.2	133	0.00
10	T	Methyl Iodide	0.544	0.573	-5.3	123	0.00
11	T	Tert butyl alcohol	0.149	0.135	9.4	114	0.00
12	CM	1,1-Dichloroethene	0.628	0.650	-3.5#	137	0.00
13	T	Acrolein	0.168	0.191	-13.7	150#	0.00
14	T	Allyl chloride	1.102	1.027	6.8	123	0.00
15	T	Acrylonitrile	0.406	0.396	2.5	119	0.00
16	T	Acetone	0.434	0.430	0.9	131	0.00
17	T	Carbon Disulfide	1.910	1.811	5.2	119	0.00
18	T	Methyl Acetate	0.889	0.844	5.1	120	0.00
19	T	Methyl tert-butyl Ether	2.308	2.287	0.9	125	0.00
20	T	Methylene Chloride	0.729	0.688	5.6	124	0.00
21	T	trans-1,2-Dichloroethene	0.690	0.661	4.2	120	0.00
22	T	Diisopropyl ether	2.317	2.395	-3.4	124	0.00
23	T	Vinyl Acetate	2.087	2.182	-4.6	123	0.00
24	P	1,1-Dichloroethane	1.283	1.282	0.1	122	0.00
25	T	2-Butanone	0.572	0.564	1.4	118	0.00
26	T	2,2-Dichloropropane	1.166	1.167	-0.1	124	0.00
27	T	cis-1,2-Dichloroethene	0.794	0.785	1.1	122	0.00
28	T	Bromochloromethane	0.606	0.613	-1.2	102	0.00
29	T	Tetrahydrofuran	0.373	0.366	1.9	121	0.00
30	C	Chloroform	1.282	1.285	-0.2#	120	0.00
31	T	Cyclohexane	1.210	1.198	1.0	121	0.00
32	T	1,1,1-Trichloroethane	1.142	1.137	0.4	122	0.00
33	S	1,2-Dichloroethane-d4	0.865	0.808	6.6	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35	S	Dibromofluoromethane	0.336	0.308	8.3	98	0.00
36	T	1,1-Dichloropropene	0.490	0.484	1.2	120	0.00
37	T	Ethyl Acetate	0.633	0.585	7.6	119	0.00
38	T	Carbon Tetrachloride	0.507	0.509	-0.4	122	0.00
39	T	Methylcyclohexane	0.630	0.629	0.2	120	0.00
40	TM	Benzene	1.494	1.482	0.8	122	0.00
41	T	Methacrylonitrile	0.333	0.320	3.9	119	0.00
42	TM	1,2-Dichloroethane	0.531	0.529	0.4	122	0.00
43	T	Isopropyl Acetate	0.973	0.981	-0.8	121	0.00
44	TM	Trichloroethene	0.349	0.343	1.7	121	0.00
45	C	1,2-Dichloropropane	0.377	0.371	1.6#	121	0.00
46	T	Dibromomethane	0.269	0.269	0.0	124	0.00
47	T	Bromodichloromethane	0.538	0.543	-0.9	124	0.00
48	T	Methyl methacrylate	0.449	0.453	-0.9	122	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.005	16.7	123	0.00
50	S	Toluene-d8	1.294	1.213	6.3	99	0.00
51	T	4-Methyl-2-Pentanone	0.575	0.583	-1.4	120	0.00
52	CM	Toluene	0.921	0.928	-0.8#	123	0.00
53	T	t-1,3-Dichloropropene	0.573	0.601	-4.9	126	0.00
54	T	cis-1,3-Dichloropropene	0.608	0.629	-3.5	126	0.00
55	T	1,1,2-Trichloroethane	0.349	0.338	3.2	120	0.00
56	T	Ethyl methacrylate	0.553	0.599	-8.3	126	0.00
57	T	1,3-Dichloropropane	0.614	0.625	-1.8	124	0.00
58	T	2-Chloroethyl Vinyl ether	0.288	0.309	-7.3	126	0.00
59	T	2-Hexanone	0.382	0.408	-6.8	123	0.00
60	T	Dibromochloromethane	0.397	0.403	-1.5	124	0.00
61	T	1,2-Dibromoethane	0.360	0.359	0.3	125	0.00
62	S	4-Bromofluorobenzene	0.457	0.430	5.9	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.330	0.318	3.6	122	0.00
65	PM	Chlorobenzene	1.135	1.153	-1.6	121	0.00
66	T	1,1,1,2-Tetrachloroethane	0.372	0.380	-2.2	121	0.00
67	C	Ethyl Benzene	1.993	2.041	-2.4#	122	0.00
68	T	m/p-Xylenes	0.747	0.777	-4.0	121	0.00
69	T	o-Xylene	0.708	0.749	-5.8	123	0.00
70	T	Styrene	1.154	1.250	-8.3	122	0.00
71	P	Bromoform	0.278	0.286	-2.9	121	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	3.856	3.979	-3.2	123	0.00
74	T	N-amyl acetate	1.095	1.025	6.4	109	0.00
75	P	1,1,2,2-Tetrachloroethane	1.201	1.191	0.8	122	0.00
76	T	1,2,3-Trichloropropane	1.143	1.138	0.4	120	0.00
77	T	Bromobenzene	0.832	0.874	-5.0	124	0.00
78	T	n-propylbenzene	4.706	4.881	-3.7	122	0.00
79	T	2-Chlorotoluene	2.684	2.816	-4.9	123	0.00
80	T	1,3,5-Trimethylbenzene	3.203	3.321	-3.7	122	0.00
81	T	trans-1,4-Dichloro-2-butene	0.410	0.419	-2.2	129	0.00
82	T	4-Chlorotoluene	2.904	2.932	-1.0	122	0.00
83	T	tert-Butylbenzene	2.861	2.932	-2.5	122	0.00
84	T	1,2,4-Trimethylbenzene	3.204	3.353	-4.7	121	0.00
85	T	sec-Butylbenzene	4.203	4.318	-2.7	121	0.00
86	T	p-Isopropyltoluene	3.372	3.607	-7.0	123	0.00
87	T	1,3-Dichlorobenzene	1.660	1.705	-2.7	121	0.00
88	T	1,4-Dichlorobenzene	1.783	1.747	2.0	122	0.00
89	T	n-Butylbenzene	3.340	3.454	-3.4	119	0.00
90	T	Hexachloroethane	0.653	0.659	-0.9	120	0.00
91	T	1,2-Dichlorobenzene	1.600	1.625	-1.6	123	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.262	6.1	120	0.00
93	T	1,2,4-Trichlorobenzene	0.969	0.964	0.5	120	0.00
94	T	Hexachlorobutadiene	0.361	0.350	3.0	117	0.00
95	T	Naphthalene	3.320	3.337	-0.5	119	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.929	0.908	2.3	121	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	98	0.00
2	T	Dichlorodifluoromethane	50.000	48.872	2.3	118	0.00
3	P	Chloromethane	50.000	50.058	-0.1	125	0.00
4	C	Vinyl Chloride	50.000	49.688	0.6#	121	0.00
5	T	Bromomethane	50.000	51.903	-3.8	128	0.00
6	T	Chloroethane	50.000	50.817	-1.6	125	0.00
7	T	Trichlorofluoromethane	50.000	51.420	-2.8	121	0.00
8	T	Diethyl Ether	50.000	53.668	-7.3	140	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	54.641	-9.3	133	0.00
10	T	Methyl Iodide	50.000	48.914	2.2	123	0.00
11	T	Tert butyl alcohol	250.000	227.357	9.1	114	0.00
12	CM	1,1-Dichloroethene	50.000	51.748	-3.5#	137	0.00
13	T	Acrolein	250.000	285.010	-14.0	150	0.00
14	T	Allyl chloride	50.000	46.622	6.8	123	0.00
15	T	Acrylonitrile	250.000	243.784	2.5	119	0.00
16	T	Acetone	250.000	247.368	1.1	131	0.00
17	T	Carbon Disulfide	50.000	47.390	5.2	119	0.00
18	T	Methyl Acetate	50.000	47.467	5.1	120	0.00
19	T	Methyl tert-butyl Ether	50.000	49.555	0.9	125	0.00
20	T	Methylene Chloride	50.000	50.891	-1.8	124	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.883	4.2	120	0.00
22	T	Diisopropyl ether	50.000	51.691	-3.4	124	0.00
23	T	Vinyl Acetate	250.000	261.399	-4.6	123	0.00
24	P	1,1-Dichloroethane	50.000	49.935	0.1	122	0.00
25	T	2-Butanone	250.000	246.326	1.5	118	0.00
26	T	2,2-Dichloropropane	50.000	50.040	-0.1	124	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.410	1.2	122	0.00
28	T	Bromochloromethane	50.000	50.544	-1.1	102	0.00
29	T	Tetrahydrofuran	250.000	245.497	1.8	121	0.00
30	C	Chloroform	50.000	50.104	-0.2#	120	0.00
31	T	Cyclohexane	50.000	49.485	1.0	121	0.00
32	T	1,1,1-Trichloroethane	50.000	49.791	0.4	122	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.699	6.6	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35	S	Dibromofluoromethane	50.000	45.865	8.3	98	0.00
36	T	1,1-Dichloropropene	50.000	49.383	1.2	120	0.00
37	T	Ethyl Acetate	50.000	46.186	7.6	119	0.00
38	T	Carbon Tetrachloride	50.000	50.287	-0.6	122	0.00
39	T	Methylcyclohexane	50.000	49.916	0.2	120	0.00
40	TM	Benzene	50.000	49.611	0.8	122	0.00
41	T	Methacrylonitrile	50.000	48.042	3.9	119	0.00
42	TM	1,2-Dichloroethane	50.000	49.855	0.3	122	0.00
43	T	Isopropyl Acetate	50.000	50.434	-0.9	121	0.00
44	TM	Trichloroethene	50.000	49.112	1.8	121	0.00
45	C	1,2-Dichloropropane	50.000	49.237	1.5#	121	0.00
46	T	Dibromomethane	50.000	50.069	-0.1	124	0.00
47	T	Bromodichloromethane	50.000	50.420	-0.8	124	0.00
48	T	Methyl methacrylate	50.000	50.456	-0.9	122	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	967.465	3.3	123	0.00
50	S	Toluene-d8	50.000	46.842	6.3	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.315	-1.3	120	0.00
52	CM	Toluene	50.000	50.407	-0.8#	123	0.00
53	T	t-1,3-Dichloropropene	50.000	52.416	-4.8	126	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.721	-3.4	126	0.00
55	T	1,1,2-Trichloroethane	50.000	48.370	3.3	120	0.00
56	T	Ethyl methacrylate	50.000	54.214	-8.4	126	0.00
57	T	1,3-Dichloropropane	50.000	50.877	-1.8	124	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	268.651	-7.5	126	0.00
59	T	2-Hexanone	250.000	267.268	-6.9	123	0.00
60	T	Dibromochloromethane	50.000	50.751	-1.5	124	0.00
61	T	1,2-Dibromoethane	50.000	49.976	0.0	125	0.00
62	S	4-Bromofluorobenzene	50.000	47.012	6.0	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	48.214	3.6	122	0.00
65	PM	Chlorobenzene	50.000	50.798	-1.6	121	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.047	-2.1	121	0.00
67	C	Ethyl Benzene	50.000	51.208	-2.4#	122	0.00
68	T	m/p-Xylenes	100.000	104.109	-4.1	121	0.00
69	T	o-Xylene	50.000	52.899	-5.8	123	0.00
70	T	Styrene	50.000	54.133	-8.3	122	0.00
71	P	Bromoform	50.000	51.590	-3.2	121	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	51.590	-3.2	123	0.00
74	T	N-amyl acetate	50.000	58.174	-16.3	109	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.583	0.8	122	0.00
76	T	1,2,3-Trichloropropane	50.000	49.793	0.4	120	0.00
77	T	Bromobenzene	50.000	52.553	-5.1	124	0.00
78	T	n-propylbenzene	50.000	51.859	-3.7	122	0.00
79	T	2-Chlorotoluene	50.000	52.463	-4.9	123	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.853	-3.7	122	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.074	-2.1	129	0.00
82	T	4-Chlorotoluene	50.000	50.497	-1.0	122	0.00
83	T	tert-Butylbenzene	50.000	51.237	-2.5	122	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.321	-4.6	121	0.00
85	T	sec-Butylbenzene	50.000	51.364	-2.7	121	0.00
86	T	p-Isopropyltoluene	50.000	53.478	-7.0	123	0.00
87	T	1,3-Dichlorobenzene	50.000	51.358	-2.7	121	0.00
88	T	1,4-Dichlorobenzene	50.000	48.992	2.0	122	0.00
89	T	n-Butylbenzene	50.000	51.698	-3.4	119	0.00
90	T	Hexachloroethane	50.000	50.453	-0.9	120	0.00
91	T	1,2-Dichlorobenzene	50.000	50.769	-1.5	123	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.810	6.4	120	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.750	0.5	120	0.00
94	T	Hexachlorobutadiene	50.000	48.455	3.1	117	0.00
95	T	Naphthalene	50.000	50.263	-0.5	119	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088085.D
Acq On : 23 Oct 2025 14:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102325

Quant Time: Oct 24 03:19:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 24 03:16:47 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.860	2.3	121	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	GENV01
Lab Code:	ACE	SDG No.:	Q3426
Instrument ID:	MSVOA_N	Calibration Date/Time:	10/27/2025 10:40
Lab File ID:	VN088102.D	Init. Calib. Date(s):	10/23/2025 10/23/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:42 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.564	0.598		6.03	20
Chloromethane	0.664	0.684	0.1	3.01	20
Vinyl Chloride	0.723	0.746		3.18	20
Bromomethane	0.432	0.392		-9.26	20
Chloroethane	0.521	0.478		-8.25	20
Trichlorofluoromethane	1.153	1.130		-2	20
1,1,2-Trichlorotrifluoroethane	0.595	0.596		0.17	20
Tert butyl alcohol	0.149	0.157		5.37	20
1,1-Dichloroethene	0.628	0.586		-6.69	20
Acetone	0.434	0.430		-0.92	20
Carbon Disulfide	1.910	1.880		-1.57	20
Methyl tert-butyl Ether	2.308	2.427		5.16	20
Methyl Acetate	0.889	0.958		7.76	20
Methylene Chloride	0.729	0.724		-0.69	20
trans-1,2-Dichloroethene	0.690	0.678		-1.74	20
1,1-Dichloroethane	1.283	1.368	0.1	6.63	20
Cyclohexane	1.210	1.253		3.55	20
2-Butanone	0.572	0.614		7.34	20
Carbon Tetrachloride	0.507	0.570		12.43	20
cis-1,2-Dichloroethene	0.794	0.794		0	20
Bromochloromethane	0.606	0.607		0.17	20
Chloroform	1.282	1.373		7.1	20
1,1,1-Trichloroethane	1.142	1.191		4.29	20
Methylcyclohexane	0.630	0.653		3.65	20
Benzene	1.494	1.599		7.03	20
1,2-Dichloroethane	0.531	0.617		16.2	20
Trichloroethene	0.349	0.360		3.15	20
1,2-Dichloropropane	0.377	0.413		9.55	20
Bromodichloromethane	0.538	0.609		13.2	20
4-Methyl-2-Pentanone	0.575	0.662		15.13	20
Toluene	0.921	0.975		5.86	20
t-1,3-Dichloropropene	0.573	0.640		11.69	20
cis-1,3-Dichloropropene	0.608	0.661		8.72	20
1,1,2-Trichloroethane	0.349	0.374		7.16	20
2-Hexanone	0.382	0.448		17.28	20
Dibromochloromethane	0.397	0.431		8.56	20
1,2-Dibromoethane	0.360	0.383		6.39	20
Tetrachloroethene	0.330	0.343		3.94	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VN088102.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3426
Instrument ID: MSVOA_N
Calibration Date/Time: 10/27/2025 10:40
Lab File ID: VN088102.D
Init. Calib. Date(s): 10/23/2025 10/23/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:42 12:02
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.135	1.167	0.3	2.82	20
Ethyl Benzene	1.993	2.130		6.87	20
m/p-Xylenes	0.747	0.796		6.56	20
o-Xylene	0.708	0.768		8.48	20
Styrene	1.154	1.310		13.52	20
Bromoform	0.278	0.308	0.1	10.79	20
Isopropylbenzene	3.856	4.002		3.79	20
1,1,2,2-Tetrachloroethane	1.201	1.246	0.3	3.75	20
1,2,4-Trimethylbenzene	3.204	3.458		7.93	20
1,3-Dichlorobenzene	1.660	1.752		5.54	20
1,4-Dichlorobenzene	1.783	1.813		1.68	20
1,2-Dichlorobenzene	1.600	1.676		4.75	20
1,2-Dibromo-3-Chloropropane	0.279	0.307		10.04	20
1,2,4-Trichlorobenzene	0.969	1.015		4.75	20
1,2,3-Trichlorobenzene	0.929	0.964		3.77	20
1,2-Dichloroethane-d4	0.865	0.876		1.27	20
Dibromofluoromethane	0.336	0.332		-1.19	20
Toluene-d8	1.294	1.241		-4.1	20
4-Bromofluorobenzene	0.457	0.460		0.66	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088102.D
Acq On : 27 Oct 2025 10:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 01:20:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	321965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	587119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	522069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	267876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	281974	50.647	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.300%			
35) Dibromofluoromethane	8.147	113	194920	49.418	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.840%			
50) Toluene-d8	10.547	98	728690	47.946	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.900%			
62) 4-Bromofluorobenzene	12.829	95	269801	50.267	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	192457	52.993	ug/l	99
3) Chloromethane	2.383	50	220091	51.512	ug/l	98
4) Vinyl Chloride	2.536	62	240095	51.574	ug/l	95
5) Bromomethane	2.965	94	126264	45.345	ug/l	93
6) Chloroethane	3.136	64	153869	45.875	ug/l	97
7) Trichlorofluoromethane	3.506	101	363927	49.013	ug/l	100
8) Diethyl Ether	3.959	74	133136	48.245	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	191739	50.044	ug/l	98
10) Methyl Iodide	4.583	142	184213	48.858	ug/l	98
11) Tert butyl alcohol	5.524	59	252556	263.312	ug/l	98
12) 1,1-Dichloroethene	4.336	96	188755	46.643	ug/l	95
13) Acrolein	4.177	56	340988	316.058	ug/l	100
14) Allyl chloride	5.018	41	360462	50.819	ug/l	97
15) Acrylonitrile	5.706	53	697816	267.088	ug/l	99
16) Acetone	4.424	43	692239	247.493	ug/l	98
17) Carbon Disulfide	4.706	76	605311	49.207	ug/l	100
18) Methyl Acetate	5.018	43	308316	53.843	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	781435	52.581	ug/l	97
20) Methylene Chloride	5.265	84	233190	53.510	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	218235	49.131	ug/l	97
22) Diisopropyl ether	6.659	45	803931	53.894	ug/l	98
23) Vinyl Acetate	6.594	43	3682428	274.052	ug/l	100
24) 1,1-Dichloroethane	6.553	63	440607	53.322	ug/l	99
25) 2-Butanone	7.471	43	989217	268.368	ug/l	98
26) 2,2-Dichloropropane	7.477	77	378497	50.405	ug/l	98
27) cis-1,2-Dichloroethene	7.465	96	255734	50.010	ug/l	92
28) Bromochloromethane	7.794	49	195405	50.048	ug/l	99
29) Tetrahydrofuran	7.824	42	635795	264.671	ug/l	98
30) Chloroform	7.947	83	442103	53.556	ug/l	99
31) Cyclohexane	8.241	56	403281	51.747	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	383459	52.155	ug/l	98
36) 1,1-Dichloropropene	8.353	75	313772	54.483	ug/l	99
37) Ethyl Acetate	7.547	43	387720	52.169	ug/l	97
38) Carbon Tetrachloride	8.341	117	334369	56.213	ug/l	96
39) Methylcyclohexane	9.582	83	383340	51.784	ug/l	99
40) Benzene	8.588	78	938729	53.522	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088102.D
Acq On : 27 Oct 2025 10:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 01:20:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	208389	53.275	ug/l		98
42) 1,2-Dichloroethane	8.653	62	362020	58.091	ug/l		99
43) Isopropyl Acetate	8.671	43	631669	55.312	ug/l		99
44) Trichloroethene	9.335	130	211158	51.507	ug/l		99
45) 1,2-Dichloropropane	9.600	63	242214	54.702	ug/l		99
46) Dibromomethane	9.688	93	173231	54.854	ug/l		98
47) Bromodichloromethane	9.871	83	357488	56.540	ug/l		98
48) Methyl methacrylate	9.665	41	305563	57.954	ug/l		98
49) 1,4-Dioxane	9.676	88	70907	1081.292	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.423	43	1942375	287.502	ug/l		100
52) Toluene	10.606	92	572392	52.932	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	375796	55.844	ug/l		100
54) cis-1,3-Dichloropropene	10.294	75	388258	54.372	ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	219324	53.460	ug/l		99
56) Ethyl methacrylate	10.853	69	370392	57.050	ug/l		95
57) 1,3-Dichloropropane	11.141	76	390798	54.194	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	976156	289.056	ug/l		100
59) 2-Hexanone	11.176	43	1315305	293.477	ug/l		99
60) Dibromochloromethane	11.341	129	253054	54.268	ug/l		99
61) 1,2-Dibromoethane	11.447	107	225061	53.304	ug/l		100
64) Tetrachloroethene	11.082	164	179133	52.018	ug/l		96
65) Chlorobenzene	11.870	112	609369	51.404	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.935	131	210704	54.252	ug/l		99
67) Ethyl Benzene	11.941	91	1111924	53.436	ug/l		99
68) m/p-Xylenes	12.047	106	830752	106.554	ug/l		99
69) o-Xylene	12.376	106	400758	54.223	ug/l		99
70) Styrene	12.388	104	683706	56.729	ug/l		98
71) Bromoform	12.559	173	160954	55.533	ug/l	#	99
73) Isopropylbenzene	12.676	105	1071906	51.882	ug/l		99
74) N-amyl acetate	12.506	43	306906m	52.328	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	333767	51.889	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	327140m	53.415	ug/l		
77) Bromobenzene	12.959	156	237552	53.320	ug/l		97
78) n-propylbenzene	13.012	91	1330747	52.780	ug/l		99
79) 2-Chlorotoluene	13.100	91	786292	54.685	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	919244	53.573	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.717	75	104371	47.538	ug/l		90
82) 4-Chlorotoluene	13.200	91	803817	51.672	ug/l		99
83) tert-Butylbenzene	13.412	119	800535	52.227	ug/l		100
84) 1,2,4-Trimethylbenzene	13.459	105	926257	53.954	ug/l		99
85) sec-Butylbenzene	13.594	105	1175420	52.195	ug/l		100
86) p-Isopropyltoluene	13.706	119	981553	54.333	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	469251	52.761	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	485747	50.850	ug/l		98
89) n-Butylbenzene	14.035	91	955257	53.382	ug/l		99
90) Hexachloroethane	14.306	117	186582	53.333	ug/l		95
91) 1,2-Dichlorobenzene	14.082	146	448834	52.353	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	82283	54.960	ug/l		95
93) 1,2,4-Trichlorobenzene	15.364	180	271820	52.352	ug/l		99
94) Hexachlorobutadiene	15.470	225	105206	54.412	ug/l		99
95) Naphthalene	15.611	128	919189	51.678	ug/l		100
96) 1,2,3-Trichlorobenzene	15.811	180	258279	51.880	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088102.D
Acq On : 27 Oct 2025 10:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 01:20:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

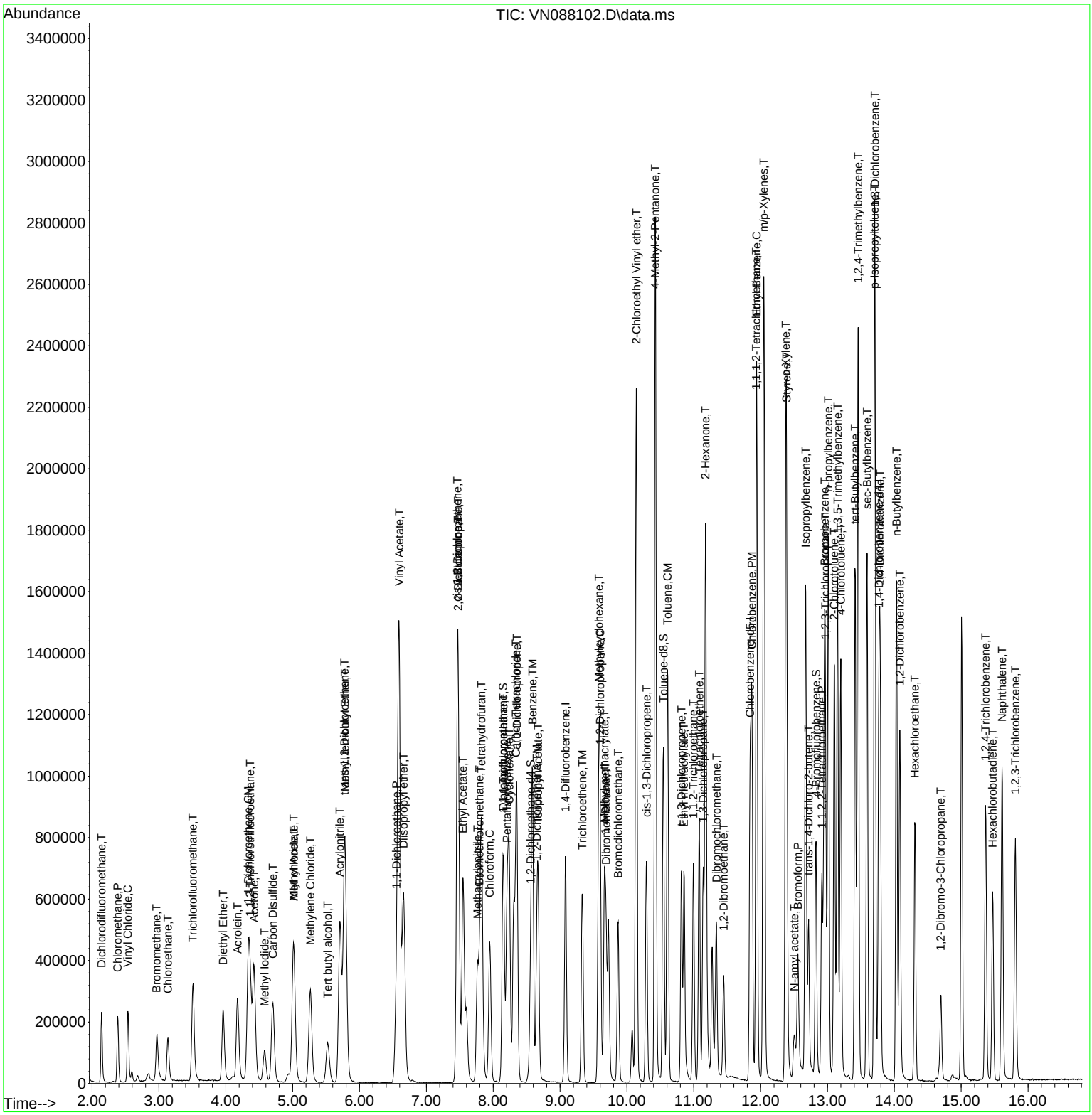
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088102.D
Acq On : 27 Oct 2025 10:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 28 01:20:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



Sample Results: **VN088102.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088102.D
Acq On : 27 Oct 2025 10:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 01:20:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	0.564	0.598	-6.0	124	0.00
3	P	Chloromethane	0.664	0.684	-3.0	125	0.00
4	C	Vinyl Chloride	0.723	0.746	-3.2#	122	0.00
5	T	Bromomethane	0.432	0.392	9.3	109	0.00
6	T	Chloroethane	0.521	0.478	8.3	110	0.00
7	T	Trichlorofluoromethane	1.153	1.130	2.0	113	0.00
8	T	Diethyl Ether	0.429	0.414	3.5	123	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.595	0.596	-0.2	119	0.00
10	T	Methyl Iodide	0.544	0.572	-5.1	119	0.00
11	T	Tert butyl alcohol	0.149	0.157	-5.4	129	0.00
12	CM	1,1-Dichloroethene	0.628	0.586	6.7#	121	0.00
13	T	Acrolein	0.168	0.212	-26.2#	163#	0.00
14	T	Allyl chloride	1.102	1.120	-1.6	131	0.01
15	T	Acrylonitrile	0.406	0.433	-6.7	127	0.00
16	T	Acetone	0.434	0.430	0.9	128	0.00
17	T	Carbon Disulfide	1.910	1.880	1.6	121	0.00
18	T	Methyl Acetate	0.889	0.958	-7.8	133	0.00
19	T	Methyl tert-butyl Ether	2.308	2.427	-5.2	129	0.00
20	T	Methylene Chloride	0.729	0.724	0.7	128	0.00
21	T	trans-1,2-Dichloroethene	0.690	0.678	1.7	120	0.00
22	T	Diisopropyl ether	2.317	2.497	-7.8	126	0.00
23	T	Vinyl Acetate	2.087	2.287	-9.6	125	0.00
24	P	1,1-Dichloroethane	1.283	1.368	-6.6	127	0.00
25	T	2-Butanone	0.572	0.614	-7.3	126	0.00
26	T	2,2-Dichloropropane	1.166	1.176	-0.9	122	0.00
27	T	cis-1,2-Dichloroethene	0.794	0.794	0.0	121	0.00
28	T	Bromochloromethane	0.606	0.607	-0.2	98	0.00
29	T	Tetrahydrofuran	0.373	0.395	-5.9	127	0.00
30	C	Chloroform	1.282	1.373	-7.1#	126	0.00
31	T	Cyclohexane	1.210	1.253	-3.6	124	0.00
32	T	1,1,1-Trichloroethane	1.142	1.191	-4.3	124	0.00
33	S	1,2-Dichloroethane-d4	0.865	0.876	-1.3	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.336	0.332	1.2	98	0.00
36	T	1,1-Dichloropropene	0.490	0.534	-9.0	123	0.00
37	T	Ethyl Acetate	0.633	0.660	-4.3	126	0.00
38	T	Carbon Tetrachloride	0.507	0.570	-12.4	128	0.00
39	T	Methylcyclohexane	0.630	0.653	-3.7	117	0.00
40	TM	Benzene	1.494	1.599	-7.0	123	0.00
41	T	Methacrylonitrile	0.333	0.355	-6.6	123	0.00
42	TM	1,2-Dichloroethane	0.531	0.617	-16.2	132	0.00
43	T	Isopropyl Acetate	0.973	1.076	-10.6	124	0.00
44	TM	Trichloroethene	0.349	0.360	-3.2	118	0.00
45	C	1,2-Dichloropropane	0.377	0.413	-9.5#	126	0.00
46	T	Dibromomethane	0.269	0.295	-9.7	126	0.00
47	T	Bromodichloromethane	0.538	0.609	-13.2	130	0.00
48	T	Methyl methacrylate	0.449	0.520	-15.8	131	0.00

Sample Results: **VN088102.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088102.D
Acq On : 27 Oct 2025 10:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 01:20:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	128	0.00
50	S	Toluene-d8	1.294	1.241	4.1	95	0.00
51	T	4-Methyl-2-Pentanone	0.575	0.662	-15.1	127	0.00
52	CM	Toluene	0.921	0.975	-5.9#	121	0.00
53	T	t-1,3-Dichloropropene	0.573	0.640	-11.7	125	0.00
54	T	cis-1,3-Dichloropropene	0.608	0.661	-8.7	123	0.00
55	T	1,1,2-Trichloroethane	0.349	0.374	-7.2	124	0.00
56	T	Ethyl methacrylate	0.553	0.631	-14.1	124	0.00
57	T	1,3-Dichloropropane	0.614	0.666	-8.5	123	0.00
58	T	2-Chloroethyl Vinyl ether	0.288	0.333	-15.6	127	0.00
59	T	2-Hexanone	0.382	0.448	-17.3	126	0.00
60	T	Dibromochloromethane	0.397	0.431	-8.6	123	0.00
61	T	1,2-Dibromoethane	0.360	0.383	-6.4	124	0.00
62	S	4-Bromofluorobenzene	0.457	0.460	-0.7	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.330	0.343	-3.9	124	0.00
65	PM	Chlorobenzene	1.135	1.167	-2.8	116	0.00
66	T	1,1,1,2-Tetrachloroethane	0.372	0.404	-8.6	121	0.00
67	C	Ethyl Benzene	1.993	2.130	-6.9#	120	0.00
68	T	m/p-Xylenes	0.747	0.796	-6.6	117	0.00
69	T	o-Xylene	0.708	0.768	-8.5	119	0.00
70	T	Styrene	1.154	1.310	-13.5	121	0.00
71	P	Bromoform	0.278	0.308	-10.8	123	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.856	4.002	-3.8	120	0.00
74	T	N-amyl acetate	1.095	1.146	-4.7	118	0.00
75	P	1,1,2,2-Tetrachloroethane	1.201	1.246	-3.7	124	0.00
76	T	1,2,3-Trichloropropane	1.143	1.221	-6.8	125	0.00
77	T	Bromobenzene	0.832	0.887	-6.6	123	0.00
78	T	n-propylbenzene	4.706	4.968	-5.6	120	0.00
79	T	2-Chlorotoluene	2.684	2.935	-9.4	124	0.00
80	T	1,3,5-Trimethylbenzene	3.203	3.432	-7.1	122	0.00
81	T	trans-1,4-Dichloro-2-butene	0.410	0.390	4.9	117	0.00
82	T	4-Chlorotoluene	2.904	3.001	-3.3	122	0.00
83	T	tert-Butylbenzene	2.861	2.988	-4.4	120	0.00
84	T	1,2,4-Trimethylbenzene	3.204	3.458	-7.9	122	0.00
85	T	sec-Butylbenzene	4.203	4.388	-4.4	120	0.00
86	T	p-Isopropyltoluene	3.372	3.664	-8.7	122	0.00
87	T	1,3-Dichlorobenzene	1.660	1.752	-5.5	121	0.00
88	T	1,4-Dichlorobenzene	1.783	1.813	-1.7	123	0.00
89	T	n-Butylbenzene	3.340	3.566	-6.8	120	0.00
90	T	Hexachloroethane	0.653	0.697	-6.7	124	0.00
91	T	1,2-Dichlorobenzene	1.600	1.676	-4.7	123	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.307	-10.0	137	0.00
93	T	1,2,4-Trichlorobenzene	0.969	1.015	-4.7	123	0.00
94	T	Hexachlorobutadiene	0.361	0.393	-8.9	128	0.00
95	T	Naphthalene	3.320	3.431	-3.3	119	0.00

Sample Results: **VN088102.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088102.D
Acq On : 27 Oct 2025 10:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 01:20:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.929	0.964	-3.8	125	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN088102.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088102.D
Acq On : 27 Oct 2025 10:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 01:20:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	95	0.00
2	T	Dichlorodifluoromethane	50.000	52.993	-6.0	124	0.00
3	P	Chloromethane	50.000	51.512	-3.0	125	0.00
4	C	Vinyl Chloride	50.000	51.574	-3.1#	122	0.00
5	T	Bromomethane	50.000	45.345	9.3	109	0.00
6	T	Chloroethane	50.000	45.875	8.3	110	0.00
7	T	Trichlorofluoromethane	50.000	49.013	2.0	113	0.00
8	T	Diethyl Ether	50.000	48.245	3.5	123	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.044	-0.1	119	0.00
10	T	Methyl Iodide	50.000	48.858	2.3	119	0.00
11	T	Tert butyl alcohol	250.000	263.312	-5.3	129	0.00
12	CM	1,1-Dichloroethene	50.000	46.643	6.7#	121	0.00
13	T	Acrolein	250.000	316.058	-26.4#	163	0.00
14	T	Allyl chloride	50.000	50.819	-1.6	131	0.01
15	T	Acrylonitrile	250.000	267.088	-6.8	127	0.00
16	T	Acetone	250.000	247.493	1.0	128	0.00
17	T	Carbon Disulfide	50.000	49.207	1.6	121	0.00
18	T	Methyl Acetate	50.000	53.843	-7.7	133	0.00
19	T	Methyl tert-butyl Ether	50.000	52.581	-5.2	129	0.00
20	T	Methylene Chloride	50.000	53.510	-7.0	128	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.131	1.7	120	0.00
22	T	Diisopropyl ether	50.000	53.894	-7.8	126	0.00
23	T	Vinyl Acetate	250.000	274.052	-9.6	125	0.00
24	P	1,1-Dichloroethane	50.000	53.322	-6.6	127	0.00
25	T	2-Butanone	250.000	268.368	-7.3	126	0.00
26	T	2,2-Dichloropropane	50.000	50.405	-0.8	122	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.010	-0.0	121	0.00
28	T	Bromochloromethane	50.000	50.048	-0.1	98	0.00
29	T	Tetrahydrofuran	250.000	264.671	-5.9	127	0.00
30	C	Chloroform	50.000	53.556	-7.1#	126	0.00
31	T	Cyclohexane	50.000	51.747	-3.5	124	0.00
32	T	1,1,1-Trichloroethane	50.000	52.155	-4.3	124	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.647	-1.3	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	49.418	1.2	98	0.00
36	T	1,1-Dichloropropene	50.000	54.483	-9.0	123	0.00
37	T	Ethyl Acetate	50.000	52.169	-4.3	126	0.00
38	T	Carbon Tetrachloride	50.000	56.213	-12.4	128	0.00
39	T	Methylcyclohexane	50.000	51.784	-3.6	117	0.00
40	TM	Benzene	50.000	53.522	-7.0	123	0.00
41	T	Methacrylonitrile	50.000	53.275	-6.5	123	0.00
42	TM	1,2-Dichloroethane	50.000	58.091	-16.2	132	0.00
43	T	Isopropyl Acetate	50.000	55.312	-10.6	124	0.00
44	TM	Trichloroethene	50.000	51.507	-3.0	118	0.00
45	C	1,2-Dichloropropane	50.000	54.702	-9.4#	126	0.00
46	T	Dibromomethane	50.000	54.854	-9.7	126	0.00
47	T	Bromodichloromethane	50.000	56.540	-13.1	130	0.00
48	T	Methyl methacrylate	50.000	57.954	-15.9	131	0.00

Sample Results: **VN088102.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088102.D
Acq On : 27 Oct 2025 10:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 01:20:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1081.292	-8.1	128	0.00
50	S	Toluene-d8	50.000	47.946	4.1	95	0.00
51	T	4-Methyl-2-Pentanone	250.000	287.502	-15.0	127	0.00
52	CM	Toluene	50.000	52.932	-5.9#	121	0.00
53	T	t-1,3-Dichloropropene	50.000	55.844	-11.7	125	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.372	-8.7	123	0.00
55	T	1,1,2-Trichloroethane	50.000	53.460	-6.9	124	0.00
56	T	Ethyl methacrylate	50.000	57.050	-14.1	124	0.00
57	T	1,3-Dichloropropane	50.000	54.194	-8.4	123	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	289.056	-15.6	127	0.00
59	T	2-Hexanone	250.000	293.477	-17.4	126	0.00
60	T	Dibromochloromethane	50.000	54.268	-8.5	123	0.00
61	T	1,2-Dibromoethane	50.000	53.304	-6.6	124	0.00
62	S	4-Bromofluorobenzene	50.000	50.267	-0.5	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	52.018	-4.0	124	0.00
65	PM	Chlorobenzene	50.000	51.404	-2.8	116	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.252	-8.5	121	0.00
67	C	Ethyl Benzene	50.000	53.436	-6.9#	120	0.00
68	T	m/p-Xylenes	100.000	106.554	-6.6	117	0.00
69	T	o-Xylene	50.000	54.223	-8.4	119	0.00
70	T	Styrene	50.000	56.729	-13.5	121	0.00
71	P	Bromoform	50.000	55.533	-11.1	123	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	51.882	-3.8	120	0.00
74	T	N-amyl acetate	50.000	52.328	-4.7	118	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.889	-3.8	124	0.00
76	T	1,2,3-Trichloropropane	50.000	53.415	-6.8	125	0.00
77	T	Bromobenzene	50.000	53.320	-6.6	123	0.00
78	T	n-propylbenzene	50.000	52.780	-5.6	120	0.00
79	T	2-Chlorotoluene	50.000	54.685	-9.4	124	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.573	-7.1	122	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.538	4.9	117	0.00
82	T	4-Chlorotoluene	50.000	51.672	-3.3	122	0.00
83	T	tert-Butylbenzene	50.000	52.227	-4.5	120	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.954	-7.9	122	0.00
85	T	sec-Butylbenzene	50.000	52.195	-4.4	120	0.00
86	T	p-Isopropyltoluene	50.000	54.333	-8.7	122	0.00
87	T	1,3-Dichlorobenzene	50.000	52.761	-5.5	121	0.00
88	T	1,4-Dichlorobenzene	50.000	50.850	-1.7	123	0.00
89	T	n-Butylbenzene	50.000	53.382	-6.8	120	0.00
90	T	Hexachloroethane	50.000	53.333	-6.7	124	0.00
91	T	1,2-Dichlorobenzene	50.000	52.353	-4.7	123	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	54.960	-9.9	137	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.352	-4.7	123	0.00
94	T	Hexachlorobutadiene	50.000	54.412	-8.8	128	0.00
95	T	Naphthalene	50.000	51.678	-3.4	119	0.00

Sample Results: **VN088102.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088102.D
Acq On : 27 Oct 2025 10:40
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 28 01:20:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.880	-3.8	125	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN088127.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3426
Instrument ID: MSVOA_N
Calibration Date/Time: 10/28/2025 10:23
Lab File ID: VN088127.D
Init. Calib. Date(s): 10/23/2025 10/23/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:42 12:02
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.564	0.552		-2.13	20
Chloromethane	0.664	0.660	0.1	-0.6	20
Vinyl Chloride	0.723	0.731		1.11	20
Bromomethane	0.432	0.403		-6.71	20
Chloroethane	0.521	0.497		-4.61	20
Trichlorofluoromethane	1.153	1.067		-7.46	20
1,1,2-Trichlorotrifluoroethane	0.595	0.572		-3.87	20
Tert butyl alcohol	0.149	0.183		22.82	20
1,1-Dichloroethene	0.628	0.572		-8.92	20
Acetone	0.434	0.514		18.43	20
Carbon Disulfide	1.910	1.807		-5.39	20
Methyl tert-butyl Ether	2.308	2.786		20.71	20
Methyl Acetate	0.889	1.105		24.3	20
Methylene Chloride	0.729	0.785		7.68	20
trans-1,2-Dichloroethene	0.690	0.692		0.29	20
1,1-Dichloroethane	1.283	1.454	0.1	13.33	20
Cyclohexane	1.210	1.177		-2.73	20
2-Butanone	0.572	0.707		23.6	20
Carbon Tetrachloride	0.507	0.524		3.35	20
cis-1,2-Dichloroethene	0.794	0.875		10.2	20
Bromochloromethane	0.606	0.658		8.58	20
Chloroform	1.282	1.465		14.27	20
1,1,1-Trichloroethane	1.142	1.212		6.13	20
Methylcyclohexane	0.630	0.602		-4.44	20
Benzene	1.494	1.602		7.23	20
1,2-Dichloroethane	0.531	0.652		22.79	20
Trichloroethene	0.349	0.357		2.29	20
1,2-Dichloropropane	0.377	0.424		12.47	20
Bromodichloromethane	0.538	0.631		17.29	20
4-Methyl-2-Pentanone	0.575	0.705		22.61	20
Toluene	0.921	0.978		6.19	20
t-1,3-Dichloropropene	0.573	0.682		19.02	20
cis-1,3-Dichloropropene	0.608	0.703		15.63	20
1,1,2-Trichloroethane	0.349	0.385		10.31	20
2-Hexanone	0.382	0.482		26.18	20
Dibromochloromethane	0.397	0.450		13.35	20
1,2-Dibromoethane	0.360	0.410		13.89	20
Tetrachloroethene	0.330	0.328		-0.61	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q3426

Instrument ID: MSVOA_N | Calibration Date/Time: 10/28/2025 10:23

Lab File ID: VN088127.D | Init. Calib. Date(s): 10/23/2025 10/23/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:42 12:02

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.135	1.215	0.3	7.05	20
Ethyl Benzene	1.993	2.129		6.82	20
m/p-Xylenes	0.747	0.796		6.56	20
o-Xylene	0.708	0.779		10.03	20
Styrene	1.154	1.332		15.43	20
Bromoform	0.278	0.322	0.1	15.83	20
Isopropylbenzene	3.856	3.984		3.32	20
1,1,2,2-Tetrachloroethane	1.201	1.327	0.3	10.49	20
1,2,4-Trimethylbenzene	3.204	3.555		10.95	20
1,3-Dichlorobenzene	1.660	1.803		8.61	20
1,4-Dichlorobenzene	1.783	1.846		3.53	20
1,2-Dichlorobenzene	1.600	1.712		7	20
1,2-Dibromo-3-Chloropropane	0.279	0.332		19	20
1,2,4-Trichlorobenzene	0.969	1.045		7.84	20
1,2,3-Trichlorobenzene	0.929	1.017		9.47	20
1,2-Dichloroethane-d4	0.865	0.954		10.29	20
Dibromofluoromethane	0.336	0.330		-1.79	20
Toluene-d8	1.294	1.205		-6.88	20
4-Bromofluorobenzene	0.457	0.461		0.88	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088127.D
Acq On : 28 Oct 2025 10:23
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 29 02:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone
10/29/2025
Supervised By :Semsettin Yesilyurt
10/29/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	8.206	168	299407	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	575460	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.847	117	507990	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	256667	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.559	65	285735	55.189 ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.380%		
35) Dibromofluoromethane	8.147	113	189636	49.053 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.100%		
50) Toluene-d8	10.547	98	693271	46.540 ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.080%		
62) 4-Bromofluorobenzene	12.829	95	265394	50.447 ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.900%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.142	85	165343	48.957 ug/l	97
3) Chloromethane	2.383	50	197707	49.759 ug/l	99
4) Vinyl Chloride	2.536	62	218965	50.579 ug/l	99
5) Bromomethane	2.965	94	120716	46.619 ug/l	99
6) Chloroethane	3.130	64	148752	47.690 ug/l	96
7) Trichlorofluoromethane	3.506	101	319409	46.259 ug/l	95
8) Diethyl Ether	3.959	74	143883	56.067 ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	171239	48.060 ug/l	97
10) Methyl Iodide	4.583	142	179205	50.917 ug/l	98
11) Tert butyl alcohol	5.524	59	273808	306.977 ug/l	98
12) 1,1-Dichloroethene	4.336	96	171171	45.485 ug/l	99
13) Acrolein	4.171	56	385481	384.218 ug/l	100
14) Allyl chloride	5.012	41	351935	53.355 ug/l	97
15) Acrylonitrile	5.706	53	738214	303.839 ug/l	99
16) Acetone	4.418	43	769528	295.854 ug/l	99
17) Carbon Disulfide	4.700	76	541134	47.304 ug/l	99
18) Methyl Acetate	5.012	43	330926	62.146 ug/l	99
19) Methyl tert-butyl Ether	5.783	73	834179	60.359 ug/l	96
20) Methylene Chloride	5.259	84	235037	57.932 ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	207202	50.162 ug/l	98
22) Diisopropyl ether	6.659	45	824495	59.436 ug/l	99
23) Vinyl Acetate	6.589	43	3877983	310.350 ug/l	98
24) 1,1-Dichloroethane	6.547	63	435253	56.643 ug/l	98
25) 2-Butanone	7.471	43	1058779	308.881 ug/l	99
26) 2,2-Dichloropropane	7.471	77	356388	51.037 ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	262031	55.103 ug/l	95
28) Bromochloromethane	7.794	49	196992	54.256 ug/l	99
29) Tetrahydrofuran	7.824	42	665751	298.022 ug/l	100
30) Chloroform	7.947	83	438587	57.133 ug/l	98
31) Cyclohexane	8.235	56	352350	48.619 ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	362874	53.074 ug/l	98
36) 1,1-Dichloropropene	8.353	75	291695	51.675 ug/l	99
37) Ethyl Acetate	7.547	43	431150	59.188 ug/l	99
38) Carbon Tetrachloride	8.341	117	301826	51.770 ug/l	97
39) Methylcyclohexane	9.582	83	346302	47.729 ug/l	99
40) Benzene	8.588	78	921773	53.620 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088127.D
Acq On : 28 Oct 2025 10:23
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 29 02:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone

10/29/2025

Supervised By :Semsettin Yesilyurt

10/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	218170	56.905	ug/l		97
42) 1,2-Dichloroethane	8.653	62	374929	61.382	ug/l		99
43) Isopropyl Acetate	8.671	43	671446	59.986	ug/l		100
44) Trichloroethene	9.330	130	205268	51.085	ug/l		99
45) 1,2-Dichloropropane	9.600	63	244021	56.226	ug/l		96
46) Dibromomethane	9.688	93	178819	57.771	ug/l		98
47) Bromodichloromethane	9.871	83	363105	58.592	ug/l		100
48) Methyl methacrylate	9.665	41	322595	62.424	ug/l		99
49) 1,4-Dioxane	9.682	88	76421	1188.988	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.424	43	2027818	306.230	ug/l		100
52) Toluene	10.612	92	563049	53.123	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	392411	59.495	ug/l		98
54) cis-1,3-Dichloropropene	10.294	75	404571	57.804	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	221552	55.097	ug/l		97
56) Ethyl methacrylate	10.859	69	396279	62.274	ug/l		97
57) 1,3-Dichloropropane	11.141	76	403668	57.113	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	1089153	329.050	ug/l		100
59) 2-Hexanone	11.176	43	1386798	315.698	ug/l		100
60) Dibromochloromethane	11.341	129	259206	56.714	ug/l		100
61) 1,2-Dibromoethane	11.447	107	235862	56.994	ug/l		98
64) Tetrachloroethene	11.082	164	166457	49.677	ug/l		96
65) Chlorobenzene	11.871	112	616979	53.488	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.941	131	214188	56.678	ug/l		99
67) Ethyl Benzene	11.941	91	1081282	53.404	ug/l		100
68) m/p-Xylenes	12.047	106	808821	106.616	ug/l		100
69) o-Xylene	12.376	106	395850	55.044	ug/l		98
70) Styrene	12.388	104	676532	57.690	ug/l		97
71) Bromoform	12.559	173	163603	58.011	ug/l	#	100
73) Isopropylbenzene	12.676	105	1022659	51.660	ug/l		100
74) N-amyl acetate	12.506	43	275299m	48.989	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	340536	55.254	ug/l		96
76) 1,2,3-Trichloropropane	12.970	75	301372m	51.357	ug/l		
77) Bromobenzene	12.959	156	241872	56.660	ug/l		97
78) n-propylbenzene	13.012	91	1254882	51.945	ug/l		99
79) 2-Chlorotoluene	13.106	91	766410	55.630	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	883376	53.731	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	110297	52.431	ug/l		91
82) 4-Chlorotoluene	13.200	91	791760	53.119	ug/l		100
83) tert-Butylbenzene	13.418	119	751458	51.166	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	912471	55.472	ug/l		99
85) sec-Butylbenzene	13.594	105	1092336	50.624	ug/l		100
86) p-Isopropyltoluene	13.706	119	923723	53.365	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	462789	54.307	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	473911	51.778	ug/l		99
89) n-Butylbenzene	14.035	91	883911	51.552	ug/l		99
90) Hexachloroethane	14.312	117	168148	50.163	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	439540	53.508	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	85200	59.394	ug/l		96
93) 1,2,4-Trichlorobenzene	15.364	180	268093	53.889	ug/l		99
94) Hexachlorobutadiene	15.476	225	94323	50.913	ug/l		99
95) Naphthalene	15.611	128	966786	56.727	ug/l		100
96) 1,2,3-Trichlorobenzene	15.811	180	261133	54.744	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088127.D
Acq On : 28 Oct 2025 10:23
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 29 02:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone
10/29/2025
Supervised By :Semsettin Yesilyurt
10/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088127.D
Acq On : 28 Oct 2025 10:23
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 29 02:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

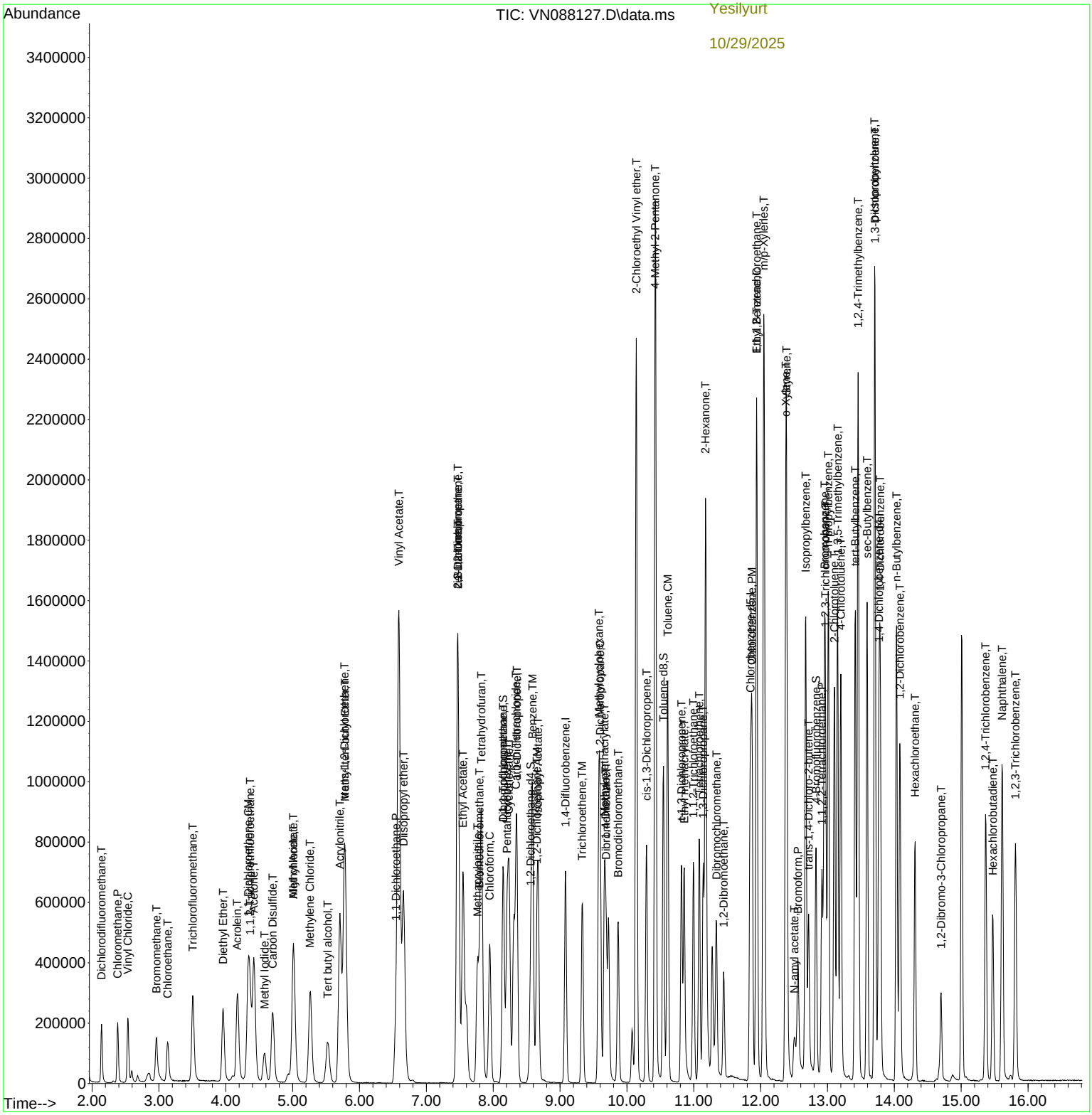
Manual Integrations APPROVED

Reviewed By :John Carlone

10/29/2025

Supervised By :Semsettin Yesilyurt

10/29/2025



Sample Results: **VN088127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088127.D
Acq On : 28 Oct 2025 10:23
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 02:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	0.564	0.552	2.1	107	0.00
3	P	Chloromethane	0.664	0.660	0.6	113	0.00
4	C	Vinyl Chloride	0.723	0.731	-1.1#	111	0.00
5	T	Bromomethane	0.432	0.403	6.7	105	0.00
6	T	Chloroethane	0.521	0.497	4.6	107	0.00
7	T	Trichlorofluoromethane	1.153	1.067	7.5	99	0.00
8	T	Diethyl Ether	0.429	0.481	-12.1	133	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.595	0.572	3.9	106	0.00
10	T	Methyl Iodide	0.544	0.599	-10.1	116	0.00
11	T	Tert butyl alcohol	0.149	0.183	-22.8	140	0.00
12	CM	1,1-Dichloroethene	0.628	0.572	8.9#	109	0.00
13	T	Acrolein	0.168	0.257	-53.0#	184#	0.00
14	T	Allyl chloride	1.102	1.175	-6.6	128	0.00
15	T	Acrylonitrile	0.406	0.493	-21.4	135	0.00
16	T	Acetone	0.434	0.514	-18.4	143	0.00
17	T	Carbon Disulfide	1.910	1.807	5.4	108	0.00
18	T	Methyl Acetate	0.889	1.105	-24.3	142	0.00
19	T	Methyl tert-butyl Ether	2.308	2.786	-20.7	138	0.00
20	T	Methylene Chloride	0.729	0.785	-7.7	129	0.00
21	T	trans-1,2-Dichloroethene	0.690	0.692	-0.3	114	0.00
22	T	Diisopropyl ether	2.317	2.754	-18.9	130	0.00
23	T	Vinyl Acetate	2.087	2.590	-24.1	132	0.00
24	P	1,1-Dichloroethane	1.283	1.454	-13.3	126	0.00
25	T	2-Butanone	0.572	0.707	-23.6	135	0.00
26	T	2,2-Dichloropropane	1.166	1.190	-2.1	115	0.00
27	T	cis-1,2-Dichloroethene	0.794	0.875	-10.2	124	0.00
28	T	Bromochloromethane	0.606	0.658	-8.6	99	0.00
29	T	Tetrahydrofuran	0.373	0.445	-19.3	133	0.00
30	C	Chloroform	1.282	1.465	-14.3#	125	0.00
31	T	Cyclohexane	1.210	1.177	2.7	108	0.00
32	T	1,1,1-Trichloroethane	1.142	1.212	-6.1	118	0.00
33	S	1,2-Dichloroethane-d4	0.865	0.954	-10.3	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	92	0.00
35	S	Dibromofluoromethane	0.336	0.330	1.8	96	0.00
36	T	1,1-Dichloropropene	0.490	0.507	-3.5	114	0.00
37	T	Ethyl Acetate	0.633	0.749	-18.3	140	0.00
38	T	Carbon Tetrachloride	0.507	0.524	-3.4	115	0.00
39	T	Methylcyclohexane	0.630	0.602	4.4	105	0.00
40	TM	Benzene	1.494	1.602	-7.2	121	0.00
41	T	Methacrylonitrile	0.333	0.379	-13.8	128	0.00
42	TM	1,2-Dichloroethane	0.531	0.652	-22.8	137	0.00
43	T	Isopropyl Acetate	0.973	1.167	-19.9	132	0.00
44	TM	Trichloroethene	0.349	0.357	-2.3	115	0.00
45	C	1,2-Dichloropropane	0.377	0.424	-12.5#	127	0.00
46	T	Dibromomethane	0.269	0.311	-15.6	130	0.00
47	T	Bromodichloromethane	0.538	0.631	-17.3	132	0.00
48	T	Methyl methacrylate	0.449	0.561	-24.9	138	0.00

Sample Results: **VN088127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088127.D
Acq On : 28 Oct 2025 10:23
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 02:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	138	0.00
50	S	Toluene-d8	1.294	1.205	6.9	90	0.00
51	T	4-Methyl-2-Pentanone	0.575	0.705	-22.6	133	0.00
52	CM	Toluene	0.921	0.978	-6.2#	119	0.00
53	T	t-1,3-Dichloropropene	0.573	0.682	-19.0	130	0.00
54	T	cis-1,3-Dichloropropene	0.608	0.703	-15.6	129	0.00
55	T	1,1,2-Trichloroethane	0.349	0.385	-10.3	125	0.00
56	T	Ethyl methacrylate	0.553	0.689	-24.6	133	0.00
57	T	1,3-Dichloropropane	0.614	0.701	-14.2	127	0.00
58	T	2-Chloroethyl Vinyl ether	0.288	0.379	-31.6#	141	0.00
59	T	2-Hexanone	0.382	0.482	-26.2#	133	0.00
60	T	Dibromochloromethane	0.397	0.450	-13.4	126	0.00
61	T	1,2-Dibromoethane	0.360	0.410	-13.9	130	0.00
62	S	4-Bromofluorobenzene	0.457	0.461	-0.9	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.330	0.328	0.6	115	0.00
65	PM	Chlorobenzene	1.135	1.215	-7.0	117	0.00
66	T	1,1,1,2-Tetrachloroethane	0.372	0.422	-13.4	123	0.00
67	C	Ethyl Benzene	1.993	2.129	-6.8#	117	0.00
68	T	m/p-Xylenes	0.747	0.796	-6.6	114	0.00
69	T	o-Xylene	0.708	0.779	-10.0	117	0.00
70	T	Styrene	1.154	1.332	-15.4	120	0.00
71	P	Bromoform	0.278	0.322	-15.8	125	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73	T	Isopropylbenzene	3.856	3.984	-3.3	114	0.00
74	T	N-amyl acetate	1.095	1.073	2.0	106	0.00
75	P	1,1,2,2-Tetrachloroethane	1.201	1.327	-10.5	126	0.00
76	T	1,2,3-Trichloropropane	1.143	1.174	-2.7	115	0.00
77	T	Bromobenzene	0.832	0.942	-13.2	125	0.00
78	T	n-propylbenzene	4.706	4.889	-3.9	113	0.00
79	T	2-Chlorotoluene	2.684	2.986	-11.3	121	0.00
80	T	1,3,5-Trimethylbenzene	3.203	3.442	-7.5	117	0.00
81	T	trans-1,4-Dichloro-2-butene	0.410	0.430	-4.9	124	0.00
82	T	4-Chlorotoluene	2.904	3.085	-6.2	120	0.00
83	T	tert-Butylbenzene	2.861	2.928	-2.3	113	0.00
84	T	1,2,4-Trimethylbenzene	3.204	3.555	-11.0	120	0.00
85	T	sec-Butylbenzene	4.203	4.256	-1.3	111	0.00
86	T	p-Isopropyltoluene	3.372	3.599	-6.7	114	0.00
87	T	1,3-Dichlorobenzene	1.660	1.803	-8.6	119	0.00
88	T	1,4-Dichlorobenzene	1.783	1.846	-3.5	120	0.00
89	T	n-Butylbenzene	3.340	3.444	-3.1	111	0.00
90	T	Hexachloroethane	0.653	0.655	-0.3	112	0.00
91	T	1,2-Dichlorobenzene	1.600	1.712	-7.0	121	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.332	-19.0	141	0.00
93	T	1,2,4-Trichlorobenzene	0.969	1.045	-7.8	121	0.00
94	T	Hexachlorobutadiene	0.361	0.367	-1.7	114	0.00
95	T	Naphthalene	3.320	3.767	-13.5	126	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088127.D
Acq On : 28 Oct 2025 10:23
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 02:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.929	1.017	-9.5	126	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN088127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088127.D
Acq On : 28 Oct 2025 10:23
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 02:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	89	0.00
2	T	Dichlorodifluoromethane	50.000	48.957	2.1	107	0.00
3	P	Chloromethane	50.000	49.759	0.5	113	0.00
4	C	Vinyl Chloride	50.000	50.579	-1.2#	111	0.00
5	T	Bromomethane	50.000	46.619	6.8	105	0.00
6	T	Chloroethane	50.000	47.690	4.6	107	0.00
7	T	Trichlorofluoromethane	50.000	46.259	7.5	99	0.00
8	T	Diethyl Ether	50.000	56.067	-12.1	133	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.060	3.9	106	0.00
10	T	Methyl Iodide	50.000	50.917	-1.8	116	0.00
11	T	Tert butyl alcohol	250.000	306.977	-22.8	140	0.00
12	CM	1,1-Dichloroethene	50.000	45.485	9.0#	109	0.00
13	T	Acrolein	250.000	384.218	-53.7#	184	0.00
14	T	Allyl chloride	50.000	53.355	-6.7	128	0.00
15	T	Acrylonitrile	250.000	303.839	-21.5	135	0.00
16	T	Acetone	250.000	295.854	-18.3	143	0.00
17	T	Carbon Disulfide	50.000	47.304	5.4	108	0.00
18	T	Methyl Acetate	50.000	62.146	-24.3	142	0.00
19	T	Methyl tert-butyl Ether	50.000	60.359	-20.7	138	0.00
20	T	Methylene Chloride	50.000	57.932	-15.9	129	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.162	-0.3	114	0.00
22	T	Diisopropyl ether	50.000	59.436	-18.9	130	0.00
23	T	Vinyl Acetate	250.000	310.350	-24.1	132	0.00
24	P	1,1-Dichloroethane	50.000	56.643	-13.3	126	0.00
25	T	2-Butanone	250.000	308.881	-23.6	135	0.00
26	T	2,2-Dichloropropane	50.000	51.037	-2.1	115	0.00
27	T	cis-1,2-Dichloroethene	50.000	55.103	-10.2	124	0.00
28	T	Bromochloromethane	50.000	54.256	-8.5	99	0.00
29	T	Tetrahydrofuran	250.000	298.022	-19.2	133	0.00
30	C	Chloroform	50.000	57.133	-14.3#	125	0.00
31	T	Cyclohexane	50.000	48.619	2.8	108	0.00
32	T	1,1,1-Trichloroethane	50.000	53.074	-6.1	118	0.00
33	S	1,2-Dichloroethane-d4	50.000	55.189	-10.4	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	92	0.00
35	S	Dibromofluoromethane	50.000	49.053	1.9	96	0.00
36	T	1,1-Dichloropropene	50.000	51.675	-3.3	114	0.00
37	T	Ethyl Acetate	50.000	59.188	-18.4	140	0.00
38	T	Carbon Tetrachloride	50.000	51.770	-3.5	115	0.00
39	T	Methylcyclohexane	50.000	47.729	4.5	105	0.00
40	TM	Benzene	50.000	53.620	-7.2	121	0.00
41	T	Methacrylonitrile	50.000	56.905	-13.8	128	0.00
42	TM	1,2-Dichloroethane	50.000	61.382	-22.8	137	0.00
43	T	Isopropyl Acetate	50.000	59.986	-20.0	132	0.00
44	TM	Trichloroethene	50.000	51.085	-2.2	115	0.00
45	C	1,2-Dichloropropane	50.000	56.226	-12.5#	127	0.00
46	T	Dibromomethane	50.000	57.771	-15.5	130	0.00
47	T	Bromodichloromethane	50.000	58.592	-17.2	132	0.00
48	T	Methyl methacrylate	50.000	62.424	-24.8	138	0.00

Sample Results: **VN088127.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088127.D
Acq On : 28 Oct 2025 10:23
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 02:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1188.988	-18.9	138	0.00
50	S	Toluene-d8	50.000	46.540	6.9	90	0.00
51	T	4-Methyl-2-Pentanone	250.000	306.230	-22.5	133	0.00
52	CM	Toluene	50.000	53.123	-6.2#	119	0.00
53	T	t-1,3-Dichloropropene	50.000	59.495	-19.0	130	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.804	-15.6	129	0.00
55	T	1,1,2-Trichloroethane	50.000	55.097	-10.2	125	0.00
56	T	Ethyl methacrylate	50.000	62.274	-24.5	133	0.00
57	T	1,3-Dichloropropane	50.000	57.113	-14.2	127	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	329.050	-31.6#	141	0.00
59	T	2-Hexanone	250.000	315.698	-26.3#	133	0.00
60	T	Dibromochloromethane	50.000	56.714	-13.4	126	0.00
61	T	1,2-Dibromoethane	50.000	56.994	-14.0	130	0.00
62	S	4-Bromofluorobenzene	50.000	50.447	-0.9	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	49.677	0.6	115	0.00
65	PM	Chlorobenzene	50.000	53.488	-7.0	117	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.678	-13.4	123	0.00
67	C	Ethyl Benzene	50.000	53.404	-6.8#	117	0.00
68	T	m/p-Xylenes	100.000	106.616	-6.6	114	0.00
69	T	o-Xylene	50.000	55.044	-10.1	117	0.00
70	T	Styrene	50.000	57.690	-15.4	120	0.00
71	P	Bromoform	50.000	58.011	-16.0	125	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73	T	Isopropylbenzene	50.000	51.660	-3.3	114	0.00
74	T	N-amyl acetate	50.000	48.989	2.0	106	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.254	-10.5	126	0.00
76	T	1,2,3-Trichloropropane	50.000	51.357	-2.7	115	0.00
77	T	Bromobenzene	50.000	56.660	-13.3	125	0.00
78	T	n-propylbenzene	50.000	51.945	-3.9	113	0.00
79	T	2-Chlorotoluene	50.000	55.630	-11.3	121	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.731	-7.5	117	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	52.431	-4.9	124	0.00
82	T	4-Chlorotoluene	50.000	53.119	-6.2	120	0.00
83	T	tert-Butylbenzene	50.000	51.166	-2.3	113	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.472	-10.9	120	0.00
85	T	sec-Butylbenzene	50.000	50.624	-1.2	111	0.00
86	T	p-Isopropyltoluene	50.000	53.365	-6.7	114	0.00
87	T	1,3-Dichlorobenzene	50.000	54.307	-8.6	119	0.00
88	T	1,4-Dichlorobenzene	50.000	51.778	-3.6	120	0.00
89	T	n-Butylbenzene	50.000	51.552	-3.1	111	0.00
90	T	Hexachloroethane	50.000	50.163	-0.3	112	0.00
91	T	1,2-Dichlorobenzene	50.000	53.508	-7.0	121	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	59.394	-18.8	141	0.00
93	T	1,2,4-Trichlorobenzene	50.000	53.889	-7.8	121	0.00
94	T	Hexachlorobutadiene	50.000	50.913	-1.8	114	0.00
95	T	Naphthalene	50.000	56.727	-13.5	126	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088127.D
Acq On : 28 Oct 2025 10:23
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Oct 29 02:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	54.744	-9.5	126	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

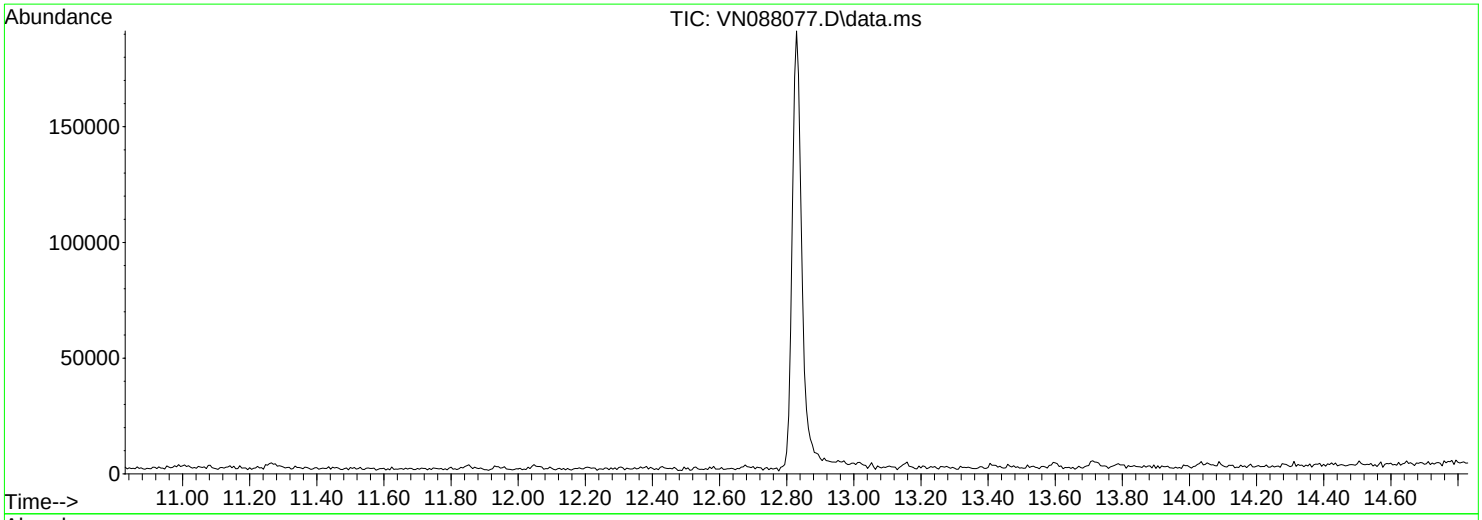
Sample Results: **VN088077.D**

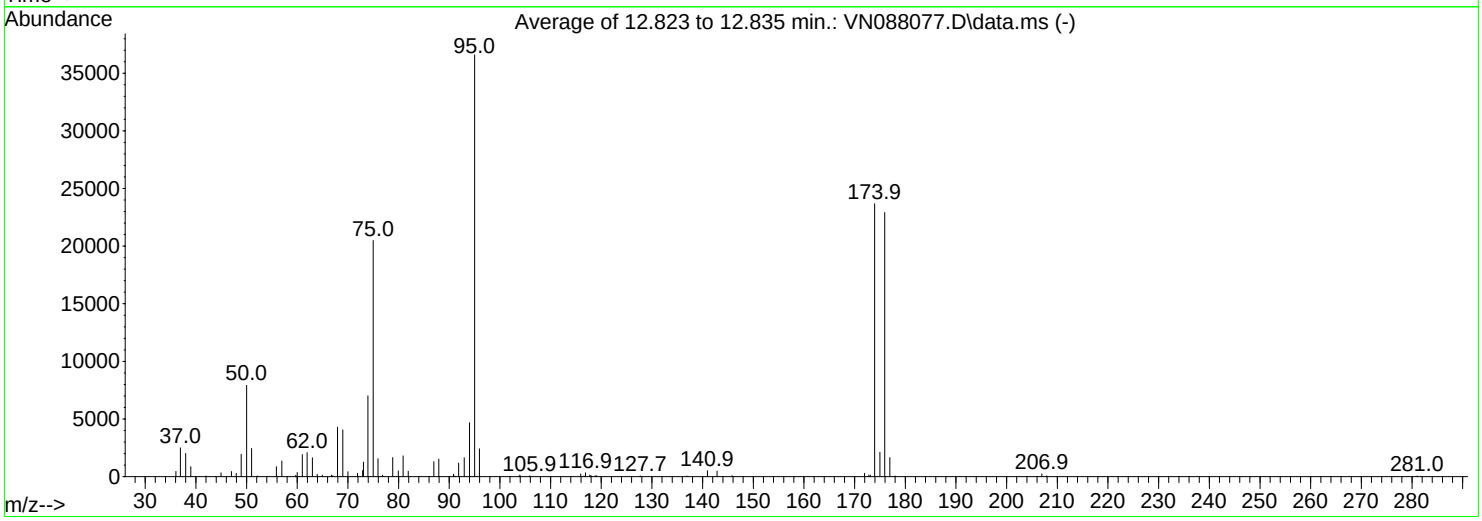
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102325\
Data File : VN088077.D
Acq On : 23 Oct 2025 09:09
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260
Last Update : Sat Oct 25 00:15:22 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1839

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	7924	PASS
75	95	30	60	56.0	20496	PASS
95	95	100	100	100.0	36595	PASS
96	95	5	9	6.6	2412	PASS
173	174	0.00	2	0.6	141	PASS
174	95	50	100	64.7	23688	PASS
175	174	5	9	8.9	2114	PASS
176	174	95	101	96.8	22925	PASS
177	176	5	9	7.2	1653	PASS

Average of 12.823 to 12.835 min.: VN088077.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	458	50.00	7924	64.95	132	75.95	155
36.95	2501	51.00	2446	66.75	129	76.85	12
38.00	2013	52.20	50	67.00	76	78.85	165
39.00	861	55.90	867	67.95	4293	79.95	50
39.85	28	56.95	1354	69.00	4051	80.90	1809
42.00	57	59.70	109	70.00	424	81.90	470
43.90	19	60.00	356	71.90	286	86.95	1303
44.95	328	61.00	1910	72.90	530	87.95	1532
47.00	441	61.95	2077	73.05	1259	90.85	210
47.95	276	63.00	1644	73.95	7010	91.10	62
48.95	1951	63.95	214	75.00	20496	91.85	1175

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN088077.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	1644	117.95	115	173.95	23688		
94.00	4674	118.80	84	175.00	2114		
95.00	36595	119.10	82	175.95	22925		
95.95	2412	127.70	70	176.95	1653		
103.80	60	136.90	63	178.00	54		
103.95	139	140.95	512	206.95	238		
105.90	74	142.85	486	207.90	72		
115.95	231	145.80	89	281.00	50		
116.60	62	171.95	296				
116.90	332	172.80	135				
117.75	138	173.10	141				

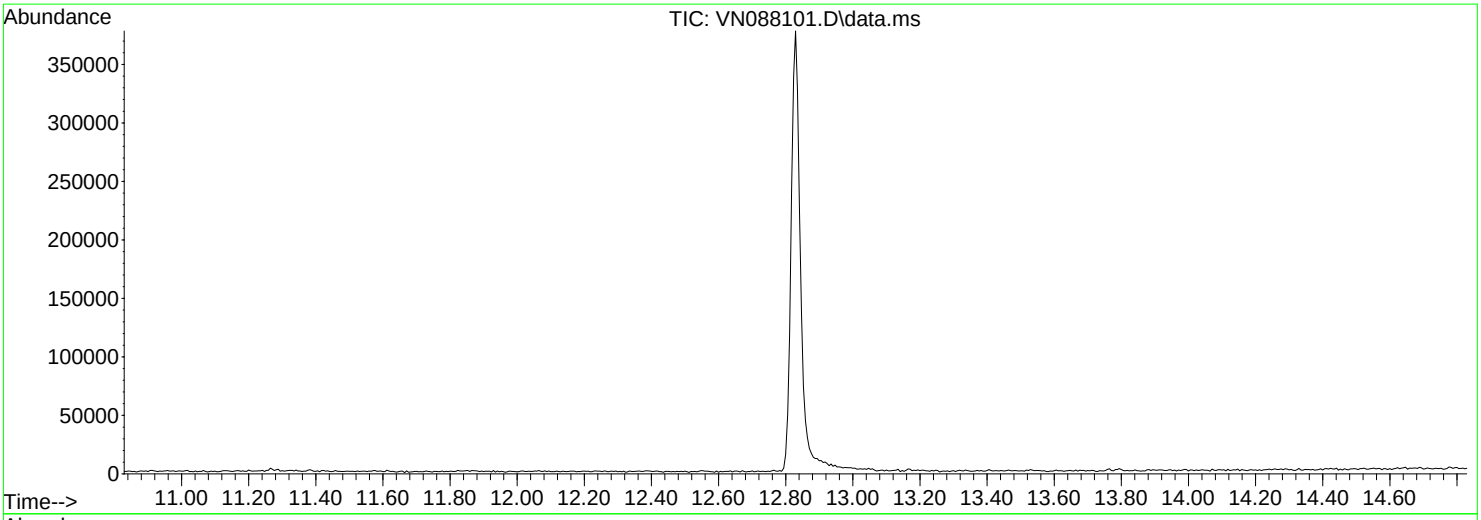
Sample Results: **VN088101.D**

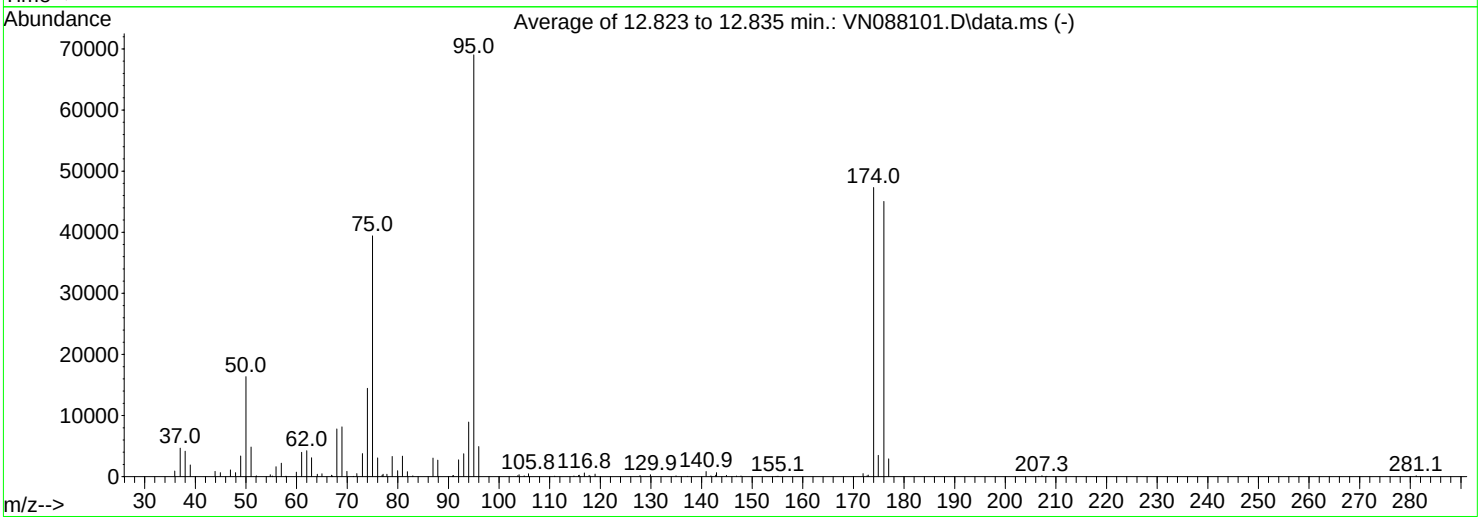
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088101.D
Acq On : 27 Oct 2025 09:58
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260
Last Update : Sat Oct 25 00:15:22 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.7	16367	PASS
75	95	30	60	57.1	39427	PASS
95	95	100	100	100.0	69032	PASS
96	95	5	9	7.1	4924	PASS
173	174	0.00	2	0.6	268	PASS
174	95	50	100	68.6	47325	PASS
175	174	5	9	7.4	3492	PASS
176	174	95	101	95.2	45051	PASS
177	176	5	9	6.5	2918	PASS

Average of 12.823 to 12.835 min.: VN088101.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	920	52.05	141	65.00	485	76.00	306
37.00	4661	54.80	326	66.90	226	76.90	24
38.00	4179	55.20	100	67.10	97	77.10	38
39.00	1917	55.95	1627	67.95	7794	77.85	38
43.90	874	57.00	2206	68.95	8159	78.90	3298
44.95	660	57.90	82	69.95	863	79.95	966
46.95	1114	59.95	741	71.20	53	80.90	3365
47.95	651	61.00	3995	71.90	497	81.90	822
48.95	3377	62.00	4259	73.00	3760	82.95	135
50.00	16367	62.95	3086	74.00	14470	86.95	3033
51.00	4844	64.10	386	75.00	39427	87.90	2708

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN088101.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.80	147	111.00	85	137.20	54	172.70	145
91.00	195	114.80	105	140.90	846	172.90	268
92.00	2747	115.70	182	141.85	129	174.00	47325
93.00	3738	115.85	226	142.80	247	174.90	3492
94.00	8930	116.85	597	142.95	658	176.00	45051
95.00	69032	117.80	210	144.90	215	176.95	2918
96.00	4924	118.00	94	146.90	114	206.60	62
103.70	148	118.95	425	147.80	111	207.25	155
103.95	329	127.85	189	154.70	54	208.20	54
104.95	146	129.90	309	155.10	89	281.15	157
105.80	470	134.95	139	171.90	488		

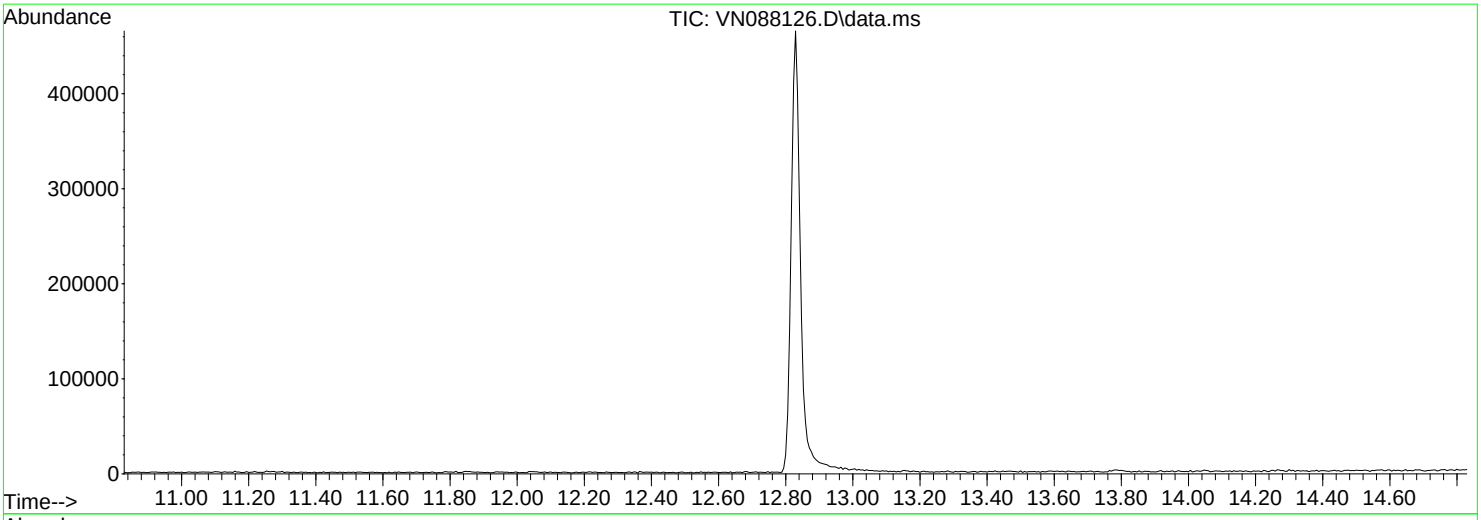
Sample Results: **VN088126.D**

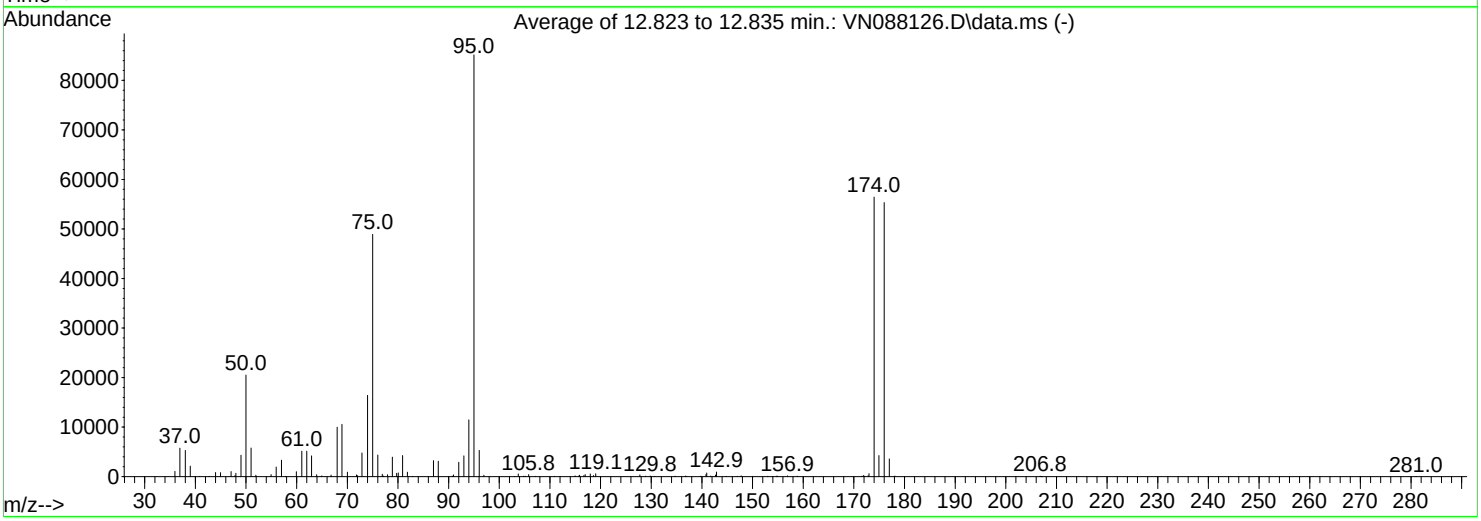
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088126.D
Acq On : 28 Oct 2025 09:26
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260
Last Update : Sat Oct 25 00:15:22 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1839

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.1	20512	PASS
75	95	30	60	57.4	48912	PASS
95	95	100	100	100.0	85157	PASS
96	95	5	9	6.2	5307	PASS
173	174	0.00	2	1.1	601	PASS
174	95	50	100	66.3	56432	PASS
175	174	5	9	7.6	4276	PASS
176	174	95	101	98.0	55320	PASS
177	176	5	9	6.5	3593	PASS

Average of 12.823 to 12.835 min.: VN088126.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	1079	48.00	688	62.00	5129	74.00	1640
36.95	5754	49.00	4342	62.95	4207	75.00	4891
38.00	5296	50.00	20512	63.95	389	76.00	435
39.00	2142	51.00	5773	64.95	171	76.90	48
39.90	31	51.95	277	66.80	327	77.10	146
40.90	55	54.95	417	68.00	9986	77.95	378
42.70	62	55.95	1949	68.95	10569	78.90	3928
44.00	855	57.00	3328	70.00	921	79.75	686
44.95	814	57.80	72	71.80	375	80.05	743
47.05	1032	59.95	1014	72.00	183	80.90	4262
47.80	187	61.00	5136	72.90	4795	81.85	913

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN088126.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.90	61	103.00	51	116.95	433	139.80	86
87.00	3231	103.75	540	117.95	560	140.80	432
87.95	3099	104.80	104	118.60	235	140.95	728
90.70	89	105.10	90	119.05	596	141.75	126
90.95	370	105.80	421	127.75	352	142.70	324
92.00	2901	107.10	55	128.90	109	142.90	949
93.00	4193	110.90	58	129.80	121	144.80	56
94.00	11466	114.95	167	130.70	54	147.00	54
95.00	85157	115.70	142	134.70	97	147.75	161
96.05	5307	115.85	298	136.80	122	150.00	54
96.95	302	116.70	217	137.00	78	153.00	55

Average of 12.823 to 12.835 min.: VN088126.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.90	50	174.95	4276				
154.70	92	176.00	55320				
154.90	110	177.00	3593				
156.90	176	178.10	118				
158.80	84	206.80	88				
171.60	84	207.05	2				
171.90	219	281.00	50				
172.10	90						
172.80	150						
173.00	601						
174.00	56432						

Raw Data: **VN088104.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Willow	Date Received:	
Client Sample ID:	VN1027WBL01	SDG No.:	Q3426
Lab Sample ID:	VN1027WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	10/27/25 11:34	VN102725
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/27/25 11:34	VN102725
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/27/25 11:34	VN102725
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/27/25 11:34	VN102725
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/27/25 11:34	VN102725
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/27/25 11:34	VN102725
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/27/25 11:34	VN102725
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/27/25 11:34	VN102725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/27/25 11:34	VN102725
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/27/25 11:34	VN102725
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/27/25 11:34	VN102725
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/27/25 11:34	VN102725
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/27/25 11:34	VN102725
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/27/25 11:34	VN102725
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/27/25 11:34	VN102725
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/27/25 11:34	VN102725
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/27/25 11:34	VN102725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/27/25 11:34	VN102725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/27/25 11:34	VN102725
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/27/25 11:34	VN102725
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/27/25 11:34	VN102725
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/27/25 11:34	VN102725
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/27/25 11:34	VN102725
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/27/25 11:34	VN102725
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/27/25 11:34	VN102725
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/27/25 11:34	VN102725
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/27/25 11:34	VN102725
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/27/25 11:34	VN102725
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/27/25 11:34	VN102725
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/27/25 11:34	VN102725
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/27/25 11:34	VN102725
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/27/25 11:34	VN102725
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/27/25 11:34	VN102725
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/27/25 11:34	VN102725
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	10/27/25 11:34	VN102725
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/27/25 11:34	VN102725
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/27/25 11:34	VN102725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/27/25 11:34	VN102725
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/27/25 11:34	VN102725
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/27/25 11:34	VN102725
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/27/25 11:34	VN102725
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/27/25 11:34	VN102725
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/27/25 11:34	VN102725

Raw Data: **VN088104.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Willow	Date Received:	
Client Sample ID:	VN1027WBL01	SDG No.:	Q3426
Lab Sample ID:	VN1027WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/27/25 11:34	VN102725
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/27/25 11:34	VN102725
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/27/25 11:34	VN102725
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/27/25 11:34	VN102725
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/27/25 11:34	VN102725
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/27/25 11:34	VN102725
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/27/25 11:34	VN102725
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/27/25 11:34	VN102725
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/27/25 11:34	VN102725
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/27/25 11:34	VN102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.1			74 - 125	122%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.8			75 - 124	106%	SPK: 50		
2037-26-5	Toluene-d8	49.9			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.9			77 - 121	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	199000							
540-36-3	1,4-Difluorobenzene	446000							
3114-55-4	Chlorobenzene-d5	423000							
3855-82-1	1,4-Dichlorobenzene-d4	200000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Quant Time: Oct 28 01:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	198801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	446179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	422679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	199580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	209923	61.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.140%			
35) Dibromofluoromethane	8.147	113	158342	52.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	10.547	98	576347	49.901	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.829	95	211880	51.945	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.900%			

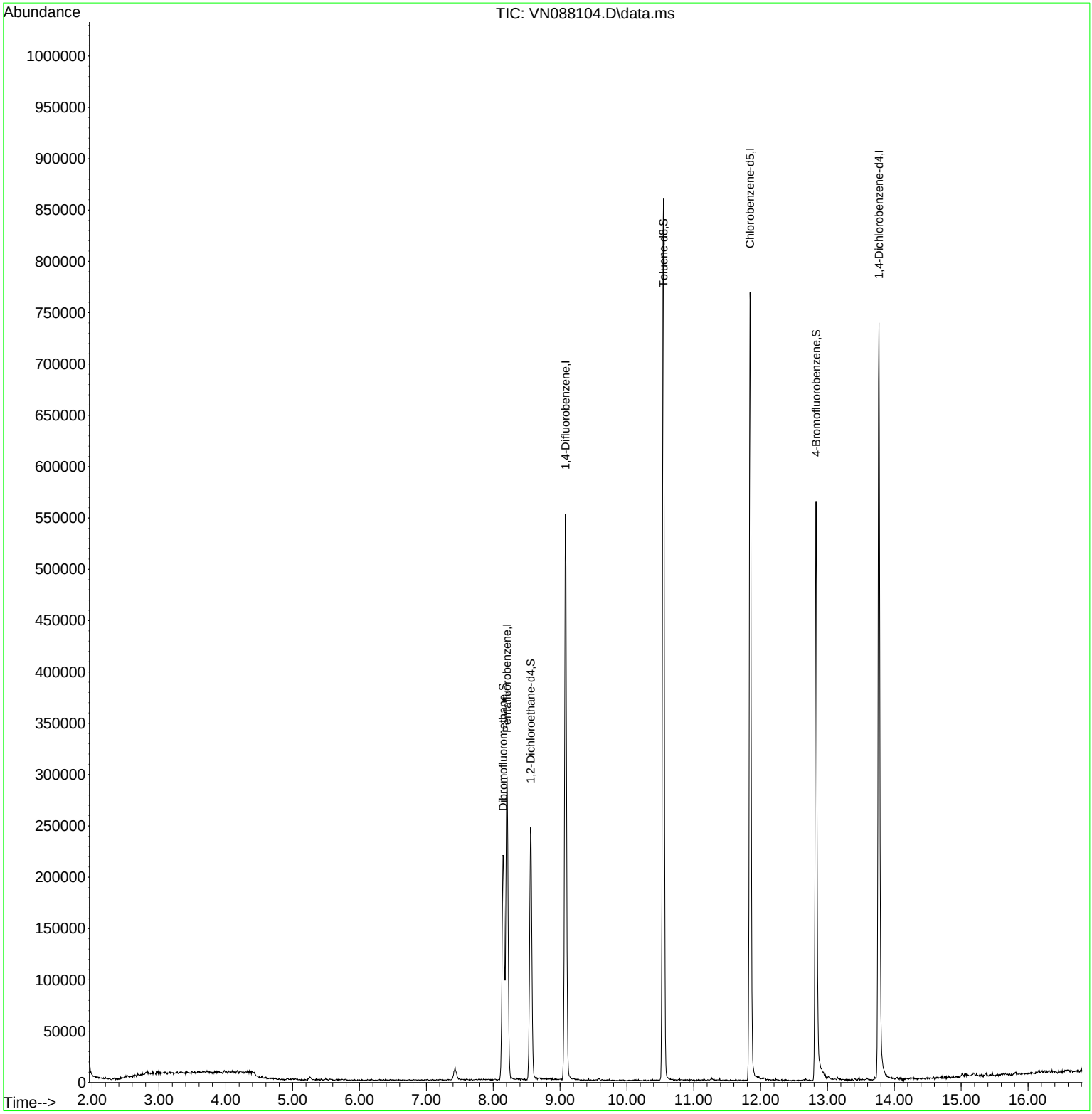
Target Compounds Qvalue

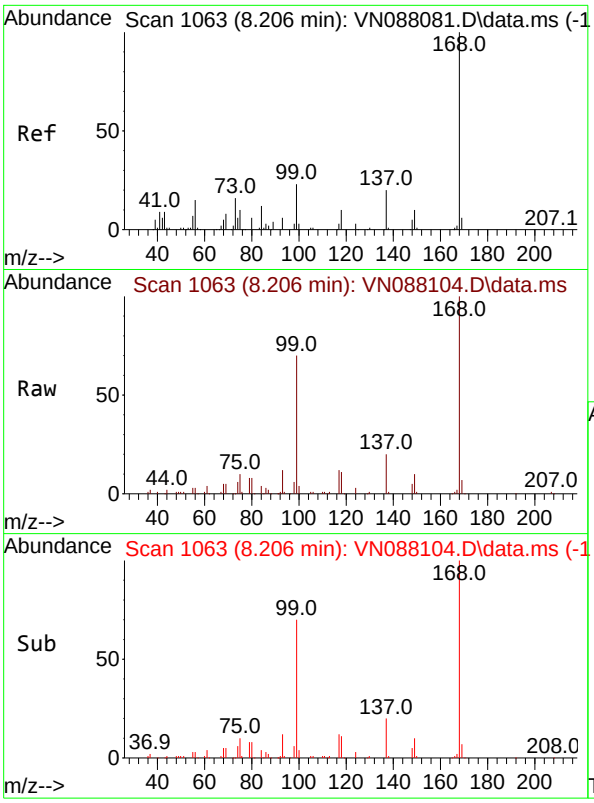
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Quant Time: Oct 28 01:22:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration



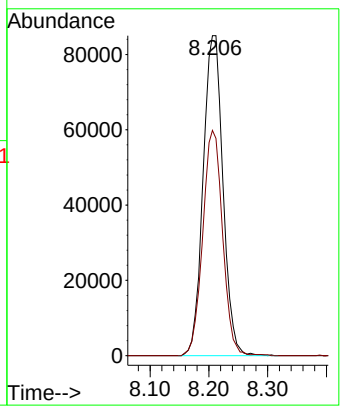


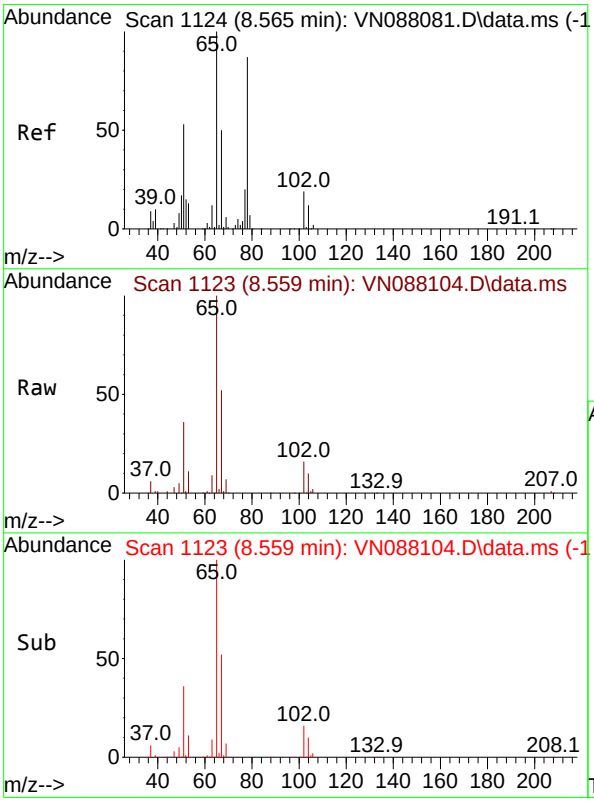
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Tgt Ion:168 Resp: 198801

Ion	Ratio	Lower	Upper
168	100		
99	70.4	57.2	85.8

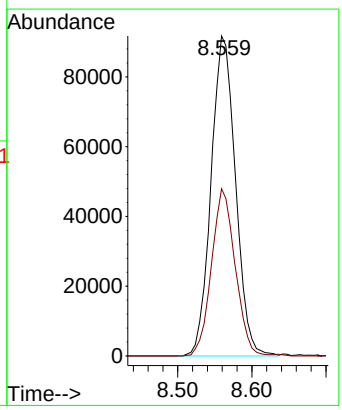


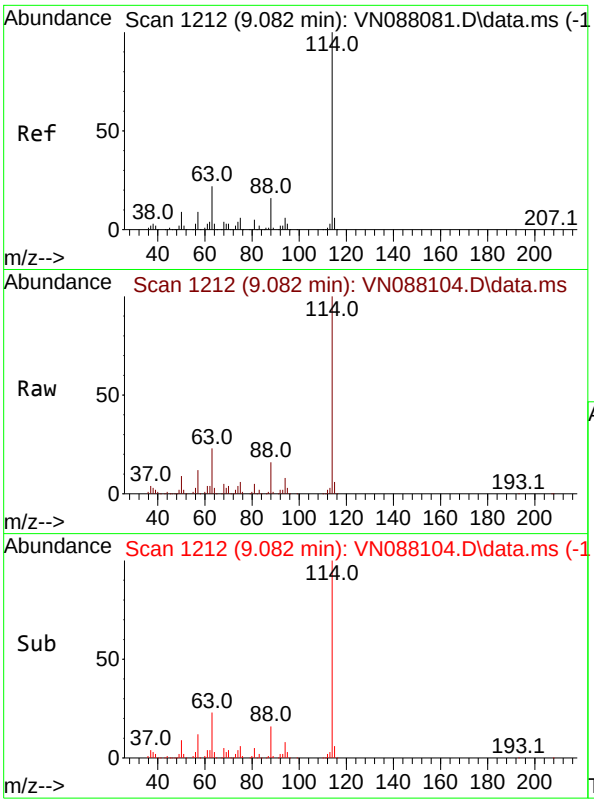


#33
1,2-Dichloroethane-d4
Concen: 61.065 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion: 65 Resp: 209923

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.0



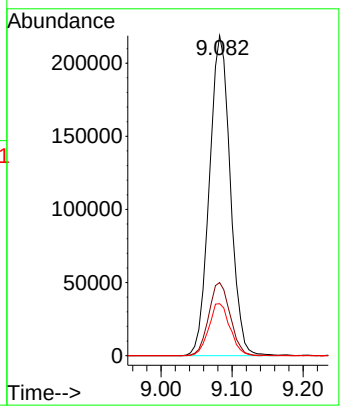


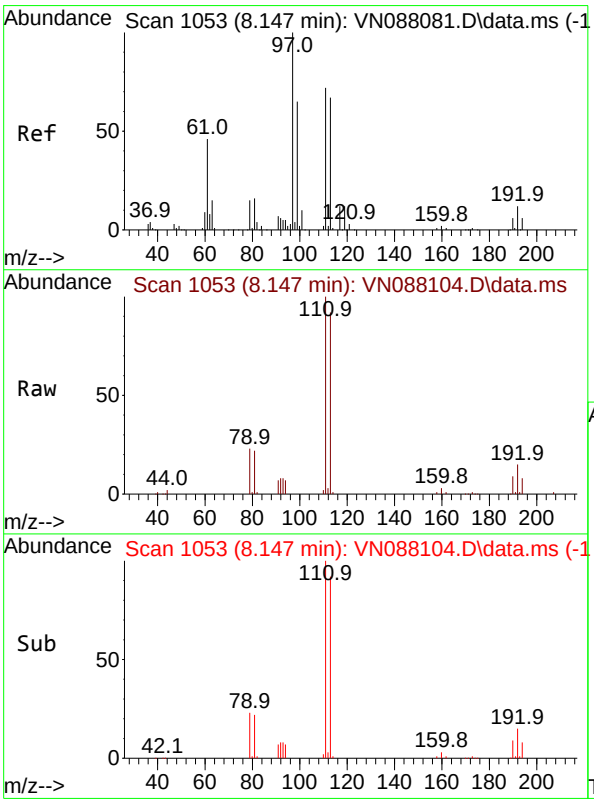
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Tgt Ion:114 Resp: 446179

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	45.2
88	16.3	0.0	33.4

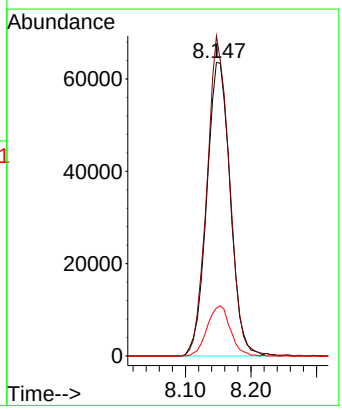


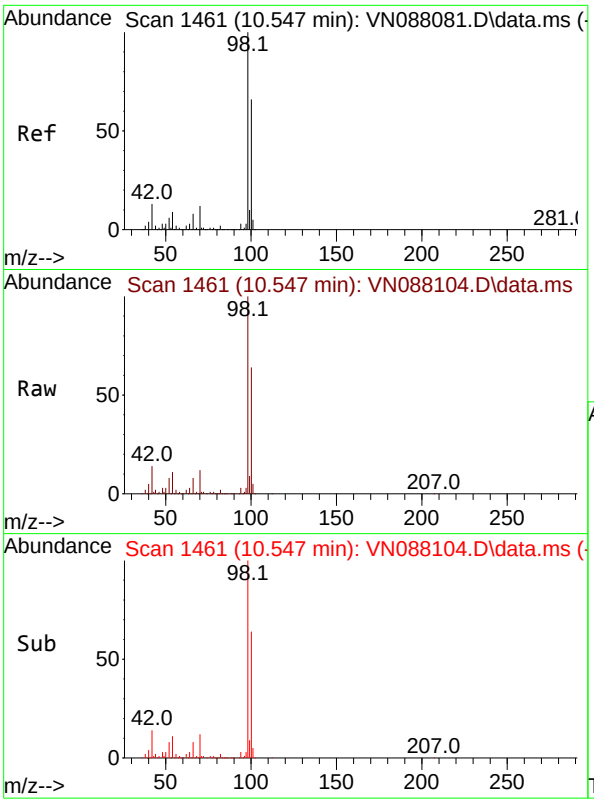


#35
Dibromofluoromethane
Concen: 52.825 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion:113 Resp: 158342

Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.8	124.2
192	16.7	12.8	19.2



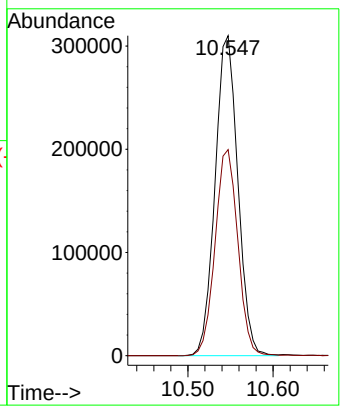


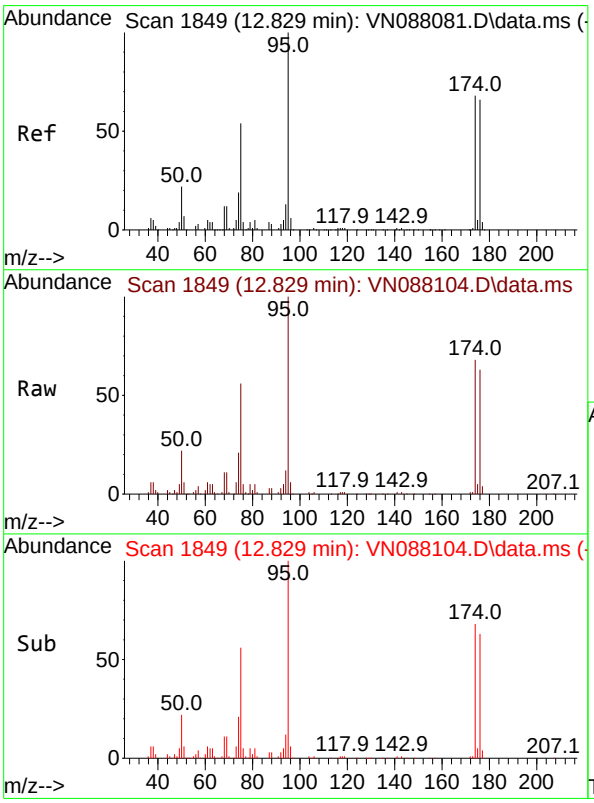
#50
Toluene-d8
Concen: 49.901 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Tgt Ion: 98 Resp: 576347

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2

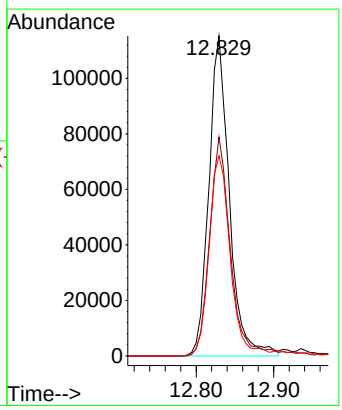


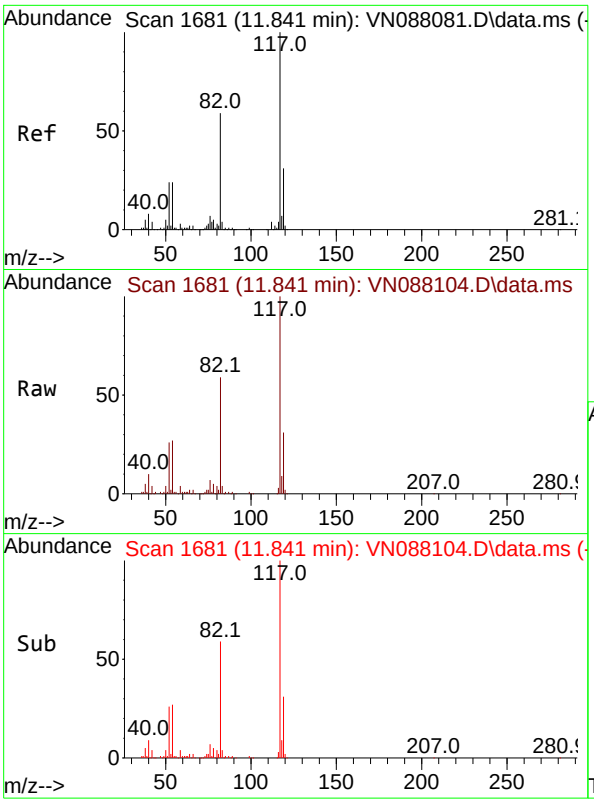


#62
4-Bromofluorobenzene
Concen: 51.945 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion: 95 Resp: 211880

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	138.4
176	64.4	0.0	132.6



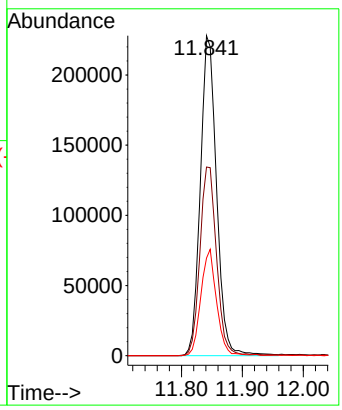


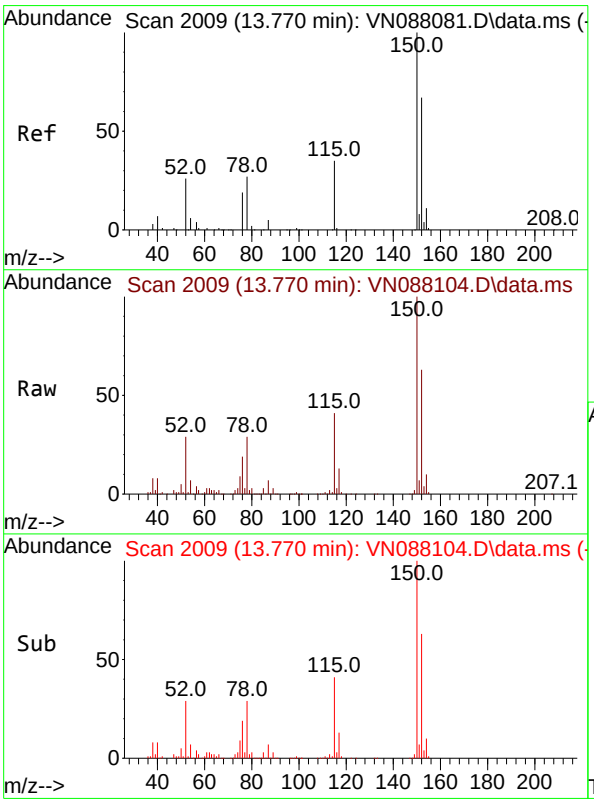
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Tgt Ion:117 Resp: 422679

Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.4	71.2
119	30.5	24.3	36.5

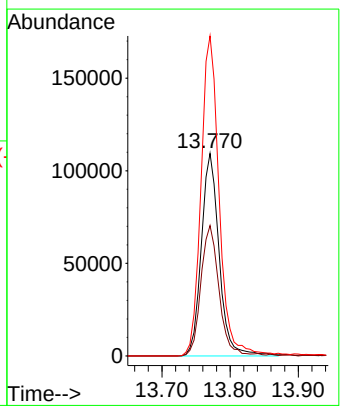




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088104.D
Acq: 27 Oct 2025 11:34

Tgt Ion:152 Resp: 199580

Ion	Ratio	Lower	Upper
152	100		
115	65.5	32.3	96.8
150	160.9	0.0	351.0



Sample Results: **VN088104.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

Signal : TIC: VN088104.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.430	922	931	940	rBV	12366	32652	2.04%	0.386%
2	8.147	1044	1053	1058	rBV	218907	537598	33.51%	6.351%
3	8.206	1058	1063	1073	rVB	294441	672817	41.94%	7.948%
4	8.559	1114	1123	1136	rBV	245979	574679	35.83%	6.789%
5	9.082	1203	1212	1228	rBV	551406	1142160	71.20%	13.493%
6	10.547	1450	1461	1478	rBV	858849	1604088	100.00%	18.950%
7	11.841	1674	1681	1697	rBV	767910	1443325	89.98%	17.051%
8	12.829	1841	1849	1862	rBV	564588	1074385	66.98%	12.692%
9	13.770	2001	2009	2026	rBV	736575	1383293	86.24%	16.341%

Sum of corrected areas: 8464997

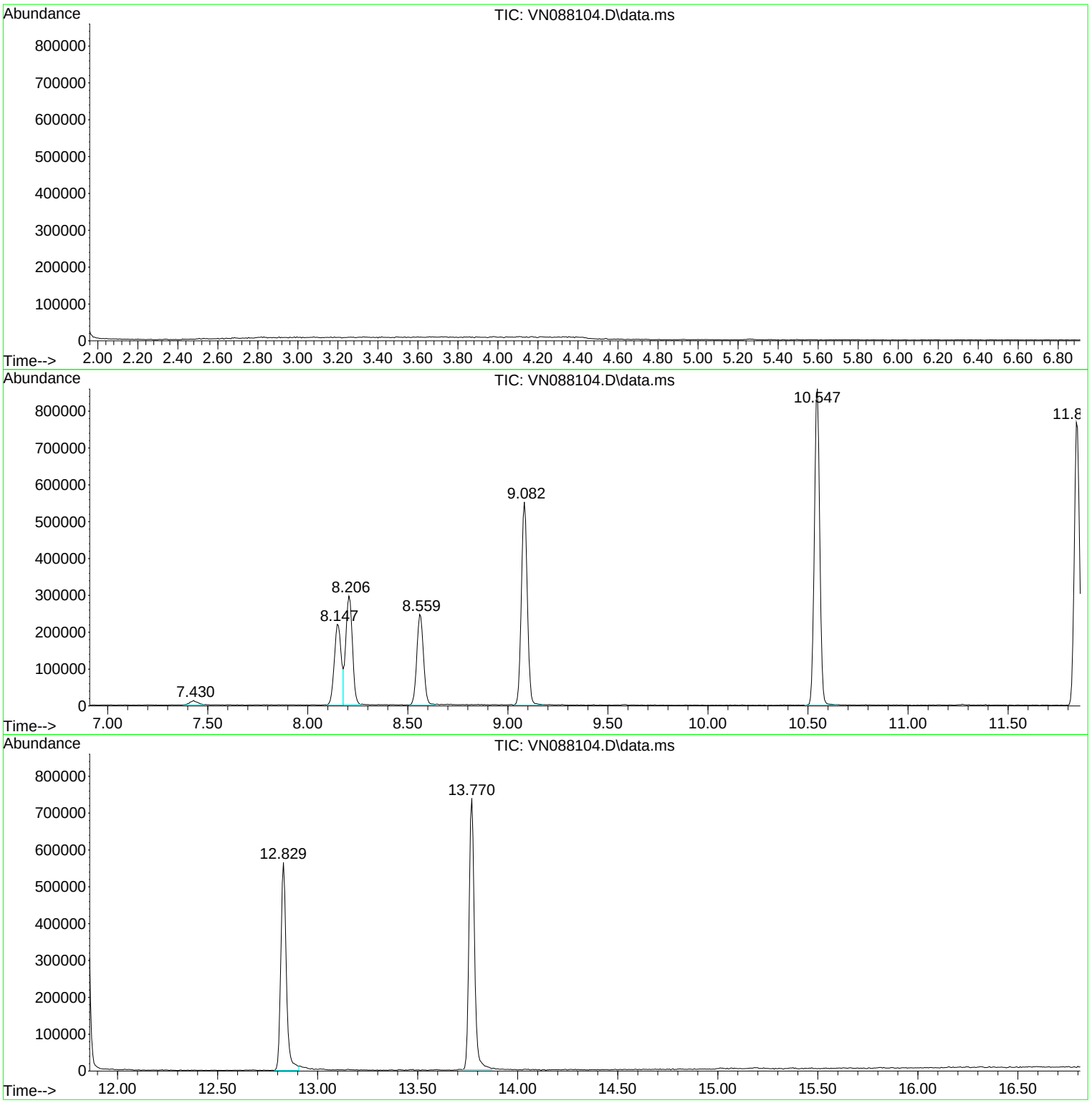
Sample Results: **VN088104.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VN088104.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088104.D
Acq On : 27 Oct 2025 11:34
Operator : JC\MD
Sample : VN1027WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VN088129.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Willow	Date Received:	
Client Sample ID:	VN1028WBL01	SDG No.:	Q3426
Lab Sample ID:	VN1028WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	10/28/25 11:17	VN102825
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/28/25 11:17	VN102825
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/28/25 11:17	VN102825
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/28/25 11:17	VN102825
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/28/25 11:17	VN102825
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/28/25 11:17	VN102825
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/28/25 11:17	VN102825
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/28/25 11:17	VN102825
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/28/25 11:17	VN102825
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/28/25 11:17	VN102825
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/28/25 11:17	VN102825
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/28/25 11:17	VN102825
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/28/25 11:17	VN102825
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/28/25 11:17	VN102825
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/28/25 11:17	VN102825
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/28/25 11:17	VN102825
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/28/25 11:17	VN102825
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/28/25 11:17	VN102825
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/28/25 11:17	VN102825
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/28/25 11:17	VN102825
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/28/25 11:17	VN102825
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/28/25 11:17	VN102825
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/28/25 11:17	VN102825
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/28/25 11:17	VN102825
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/28/25 11:17	VN102825
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/28/25 11:17	VN102825
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/28/25 11:17	VN102825
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/28/25 11:17	VN102825
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/28/25 11:17	VN102825
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/28/25 11:17	VN102825
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/28/25 11:17	VN102825
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/28/25 11:17	VN102825
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/28/25 11:17	VN102825
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/28/25 11:17	VN102825
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	10/28/25 11:17	VN102825
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/28/25 11:17	VN102825
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/28/25 11:17	VN102825
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/28/25 11:17	VN102825
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/28/25 11:17	VN102825
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/28/25 11:17	VN102825
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/28/25 11:17	VN102825
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/28/25 11:17	VN102825
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/28/25 11:17	VN102825

Raw Data: **VN088129.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Willow	Date Received:	
Client Sample ID:	VN1028WBL01	SDG No.:	Q3426
Lab Sample ID:	VN1028WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/28/25 11:17	VN102825
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/28/25 11:17	VN102825
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/28/25 11:17	VN102825
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/28/25 11:17	VN102825
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/28/25 11:17	VN102825
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/28/25 11:17	VN102825
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/28/25 11:17	VN102825
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/28/25 11:17	VN102825
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/28/25 11:17	VN102825
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/28/25 11:17	VN102825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.8			74 - 125	110%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.8			75 - 124	94%	SPK: 50		
2037-26-5	Toluene-d8	44.8			86 - 113	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			77 - 121	97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	231000							
540-36-3	1,4-Difluorobenzene	517000							
3114-55-4	Chlorobenzene-d5	484000							
3855-82-1	1,4-Dichlorobenzene-d4	238000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088129.D
Acq On : 28 Oct 2025 11:17
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Quant Time: Oct 29 02:18:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	231261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	516618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	484454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	238378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	219109	54.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.580%			
35) Dibromofluoromethane	8.153	113	162498	46.820	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.640%			
50) Toluene-d8	10.547	98	598983	44.790	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.580%			
62) 4-Bromofluorobenzene	12.829	95	227915	48.258	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.520%			
Target Compounds						Qvalue

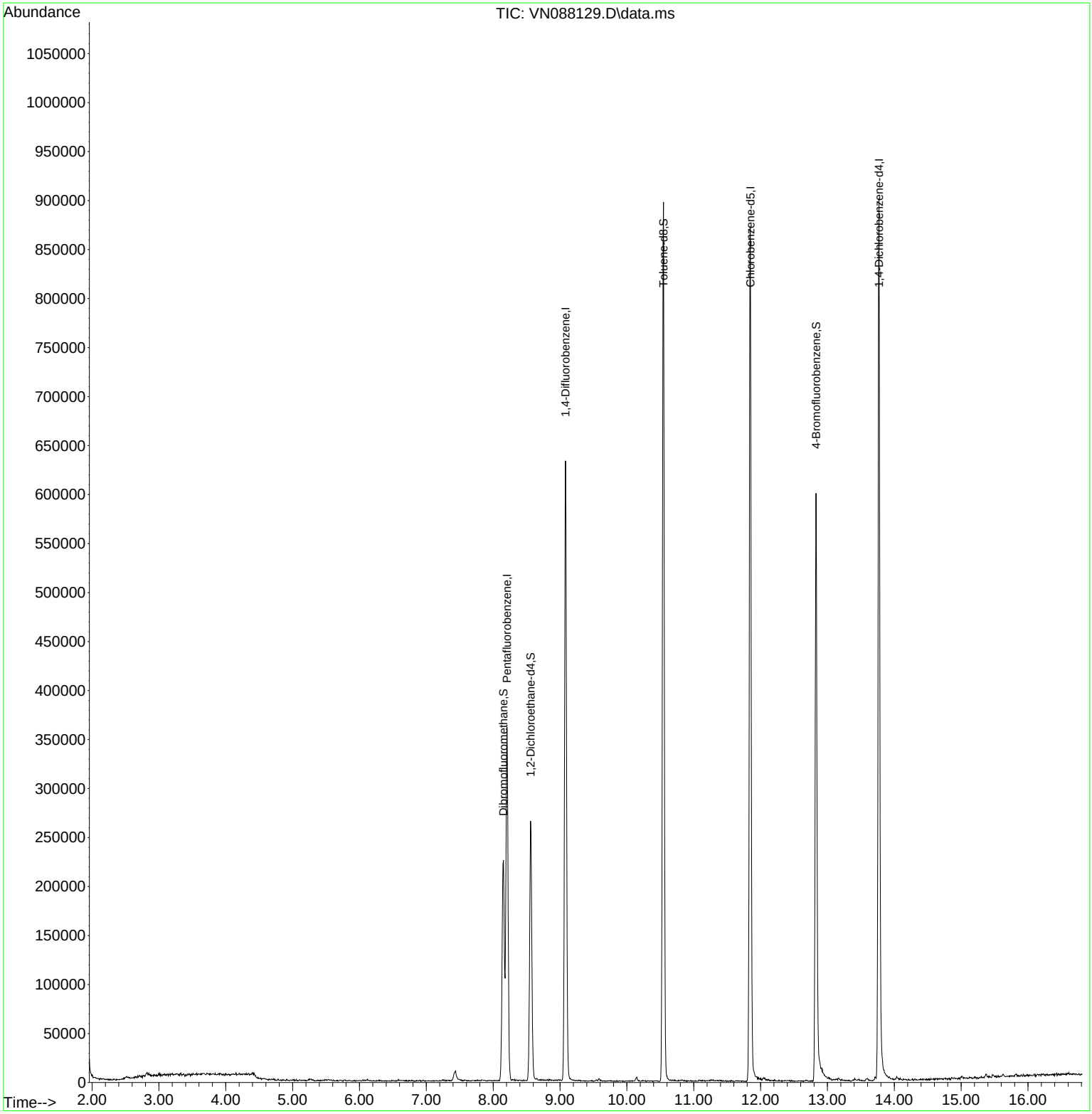
(#) = qualifier out of range (m) = manual integration (+) = signals summed

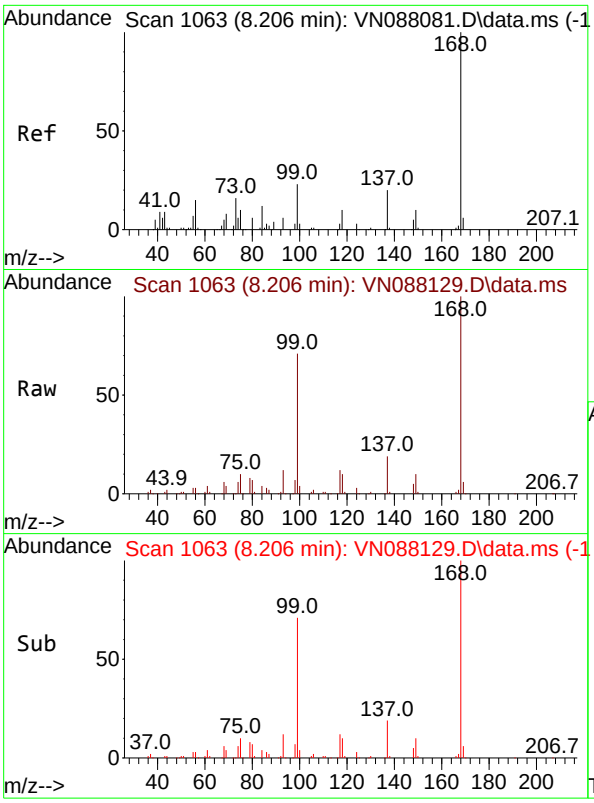
Sample Results: **VN088129.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088129.D
Acq On : 28 Oct 2025 11:17
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Quant Time: Oct 29 02:18:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration



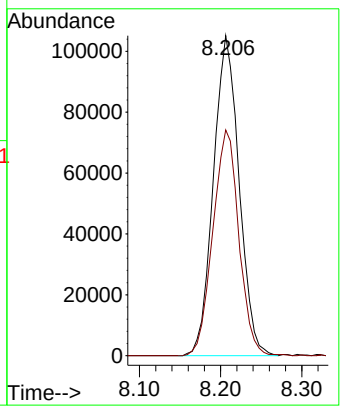


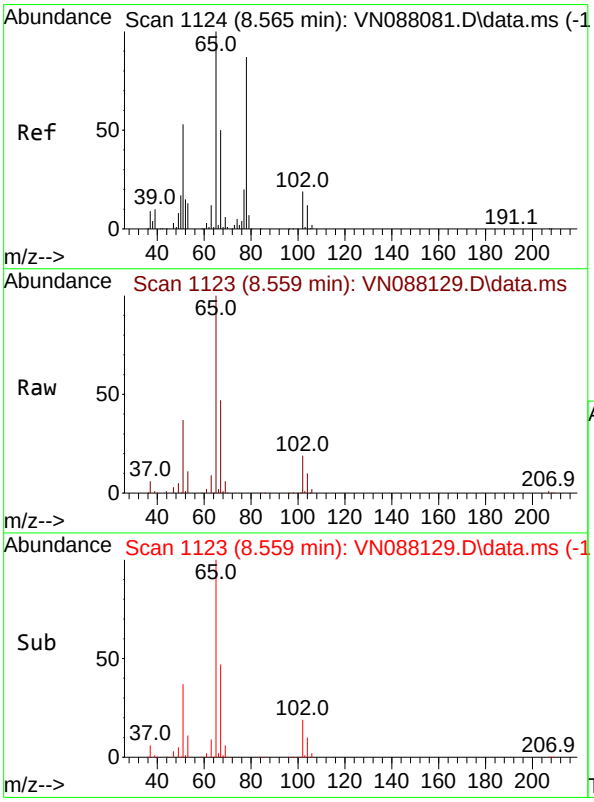
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Tgt Ion:168 Resp: 231261

Ion	Ratio	Lower	Upper
168	100		
99	70.5	57.2	85.8

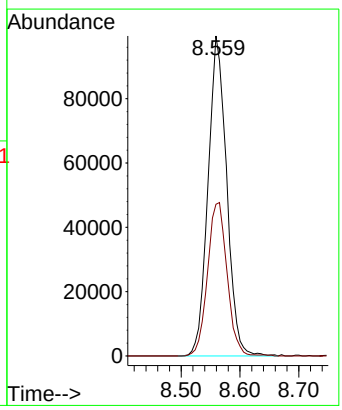


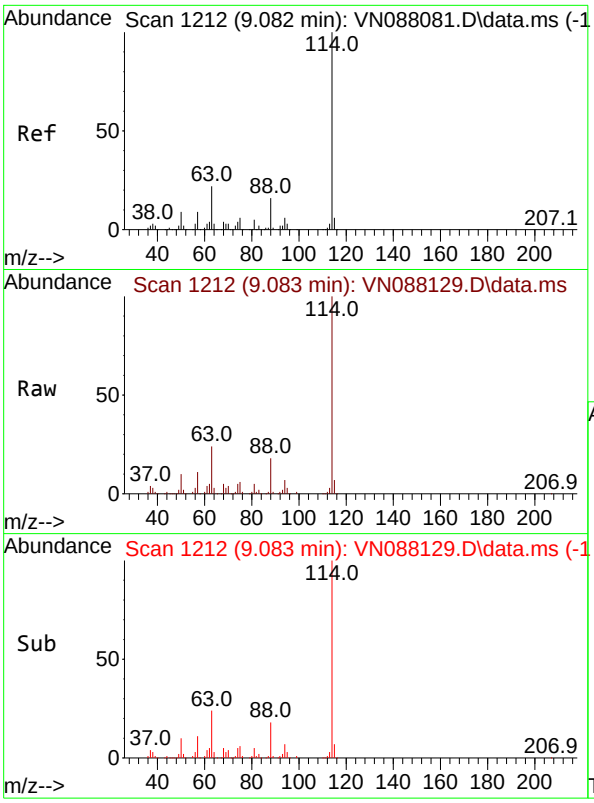


#33
1,2-Dichloroethane-d4
Concen: 54.791 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion: 65 Resp: 219109

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	100.0



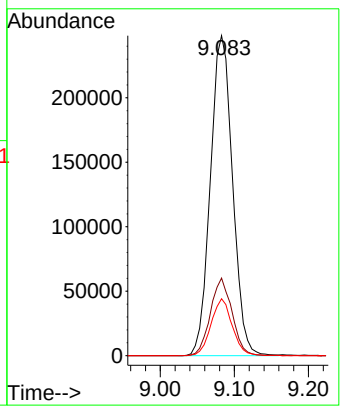


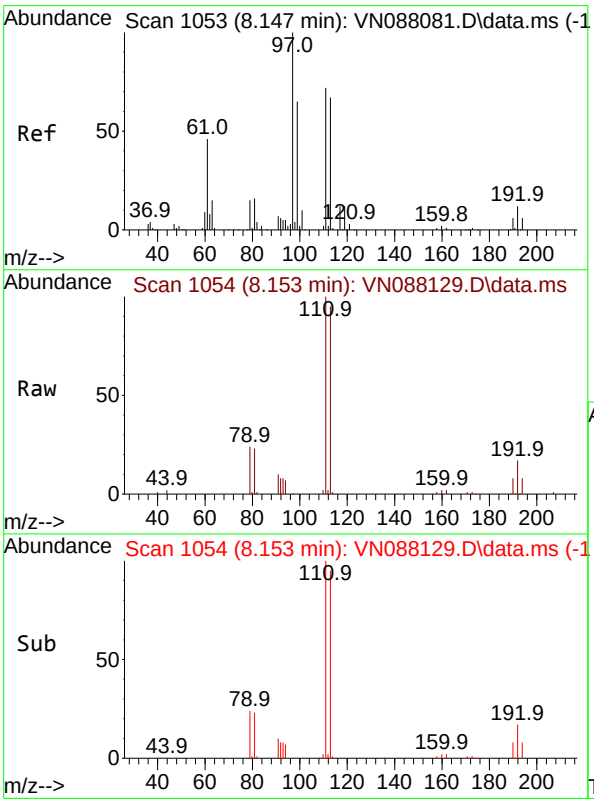
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Tgt Ion:114 Resp: 516618

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	45.2
88	17.8	0.0	33.4

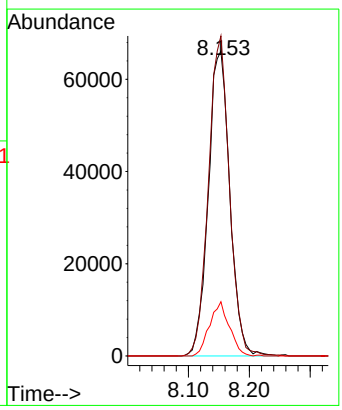


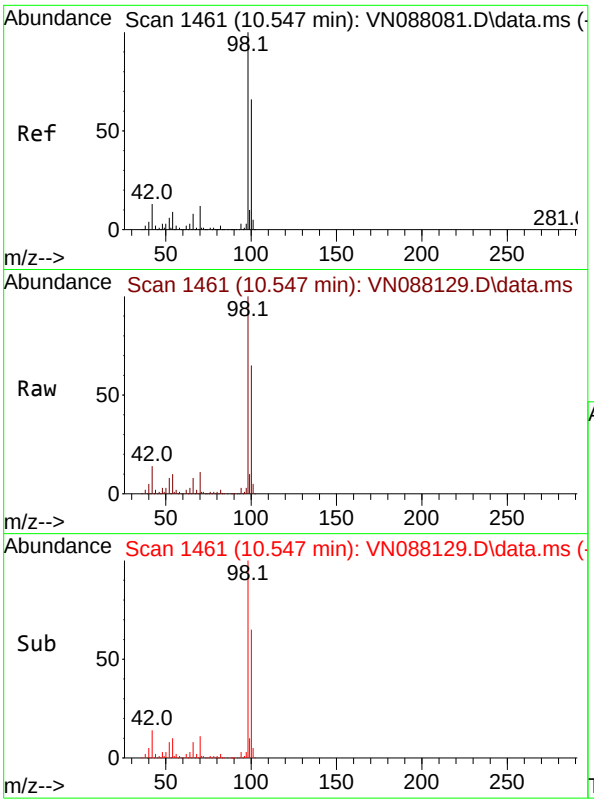


#35
Dibromofluoromethane
Concen: 46.820 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion:113 Resp: 162498

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	16.4	12.8	19.2



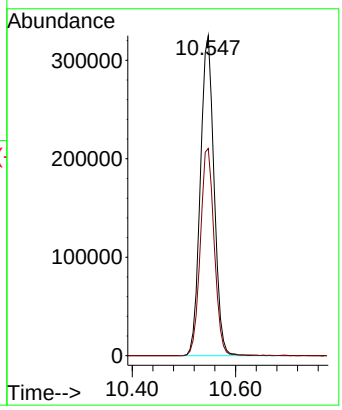


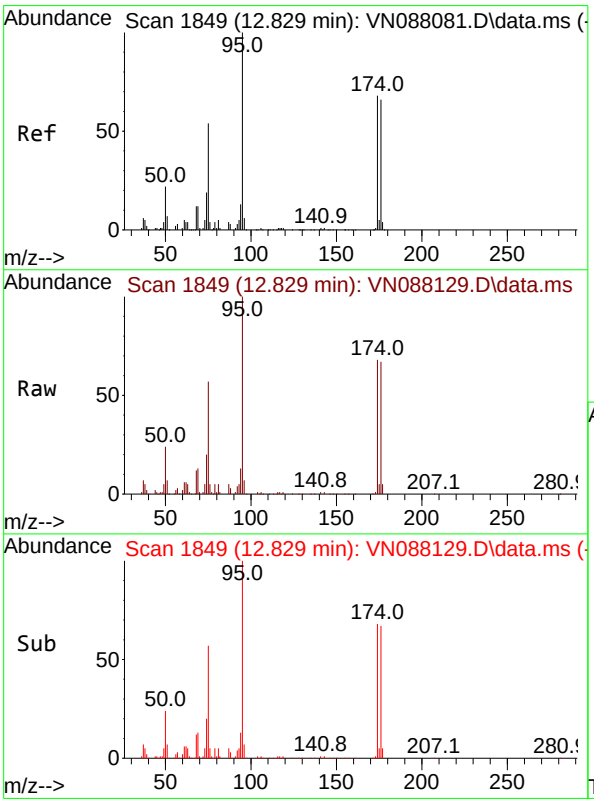
#50
Toluene-d8
Concen: 44.790 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Tgt Ion: 98 Resp: 598983

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.8	79.2

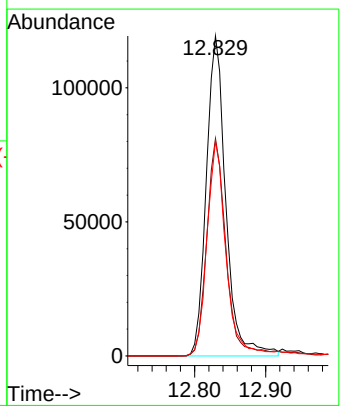


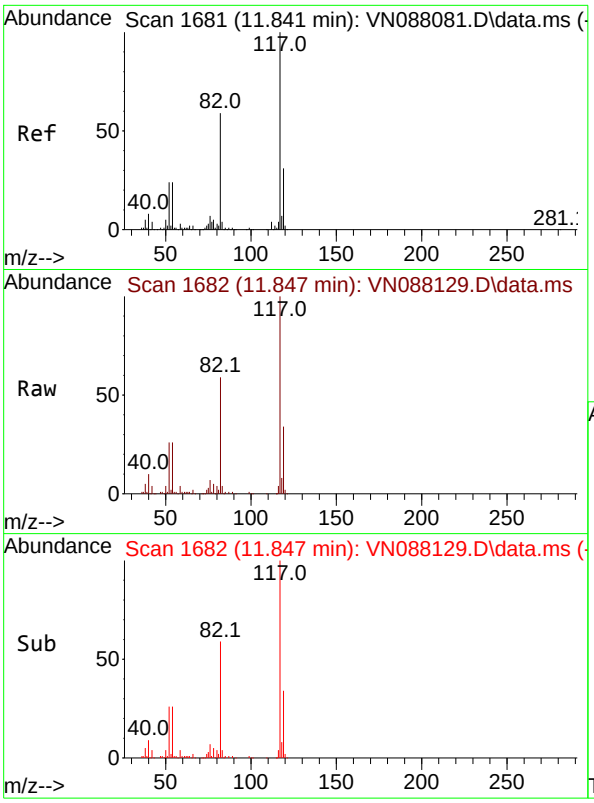


#62
4-Bromofluorobenzene
Concen: 48.258 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion: 95 Resp: 227915

Ion	Ratio	Lower	Upper
95	100		
174	68.5	0.0	138.4
176	66.9	0.0	132.6



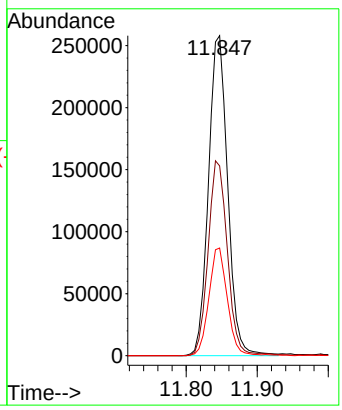


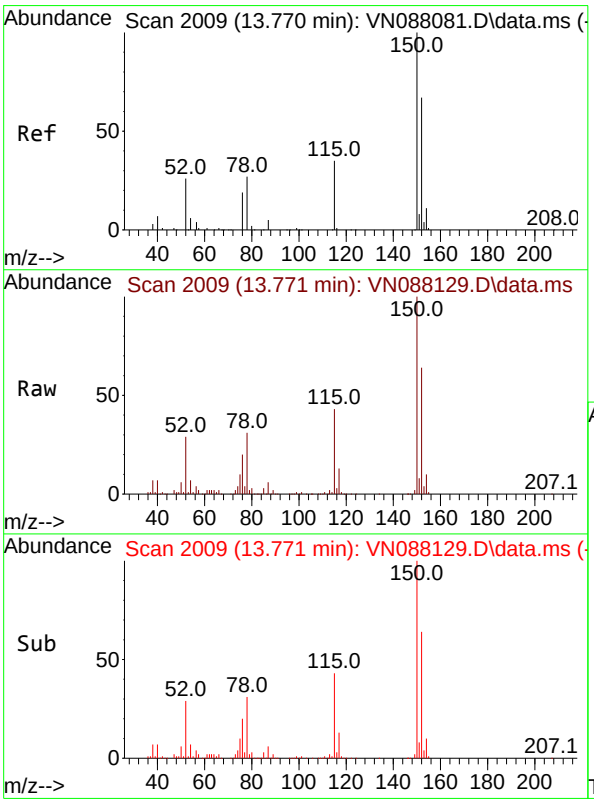
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Tgt Ion:117 Resp: 484454

Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.4	71.2
119	33.6	24.3	36.5

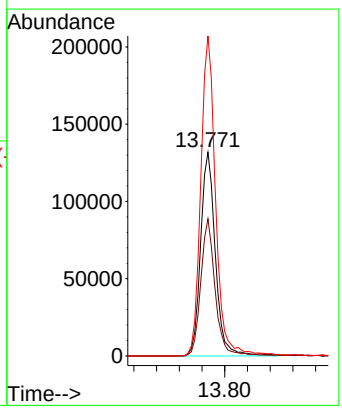




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion:152 Resp: 238378

Ion	Ratio	Lower	Upper
152	100		
115	65.4	32.3	96.8
150	157.8	0.0	351.0



Sample Results: **VN088129.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088129.D
Acq On : 28 Oct 2025 11:17
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Title : SW846 8260

Signal : TIC: VN088129.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.436	923	932	940	rBV2	9478	25863	1.54%	0.276%
2	8.153	1043	1054	1058	rBV	225149	554087	33.04%	5.909%
3	8.206	1058	1063	1074	rVB	360777	792123	47.24%	8.447%
4	8.559	1114	1123	1137	rBV	264618	596245	35.56%	6.358%
5	9.083	1202	1212	1232	rBV	632517	1315947	78.48%	14.033%
6	10.547	1452	1461	1477	rBV	897251	1676817	100.00%	17.881%
7	11.841	1672	1681	1698	rBV	872163	1668554	99.51%	17.793%
8	12.829	1840	1849	1861	rBV	600349	1133862	67.62%	12.091%
9	13.771	2002	2009	2024	rBV	897686	1614005	96.25%	17.211%

Sum of corrected areas: 9377503

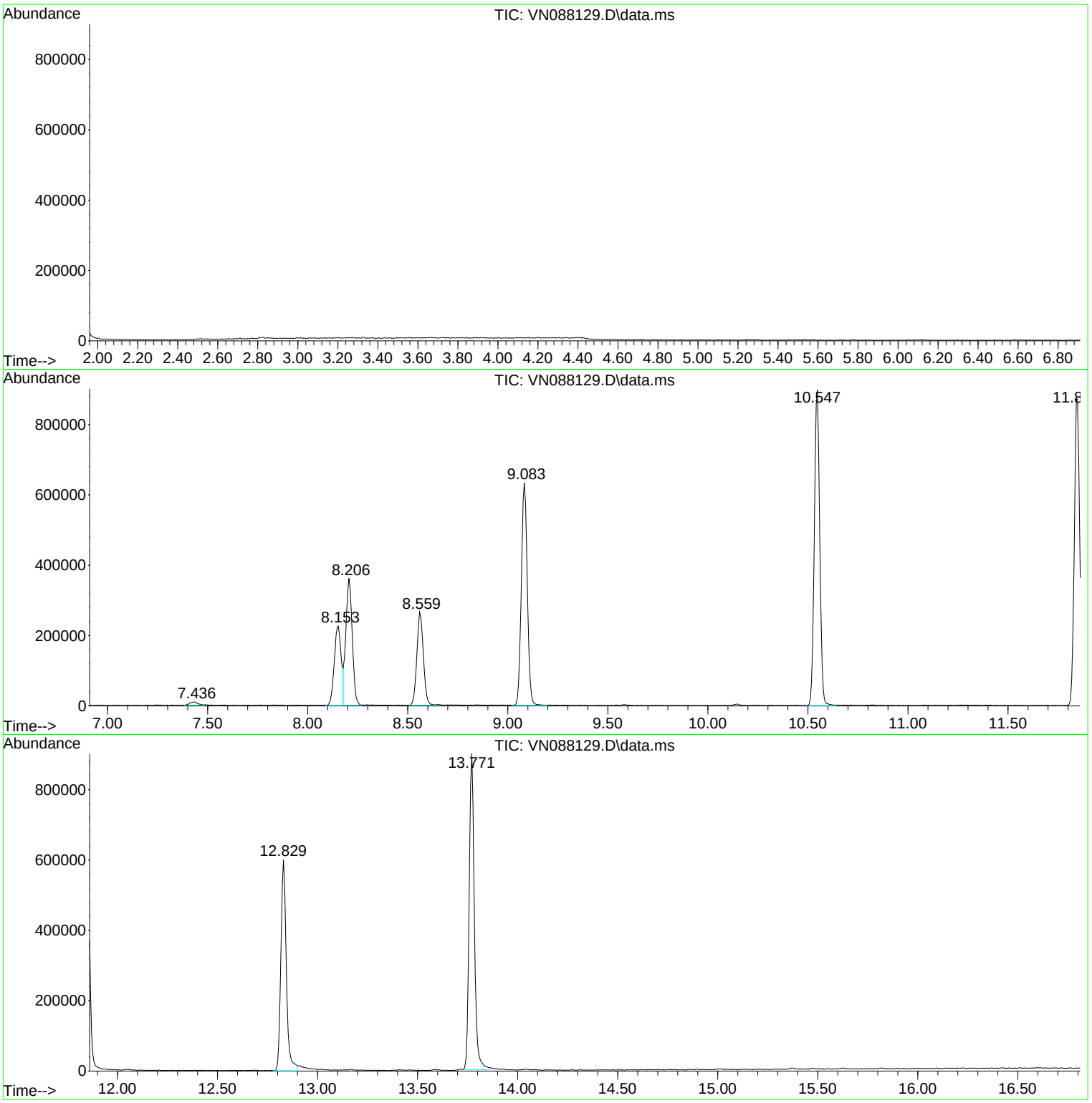
Sample Results: **VN088129.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088129.D
Acq On : 28 Oct 2025 11:17
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VN088129.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088129.D
Acq On : 28 Oct 2025 11:17
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088129.D
Acq On : 28 Oct 2025 11:17
Operator : JC\MD
Sample : VN1028WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VN088105.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Willow	Date Received:	
Client Sample ID:	VN1027WBS01	SDG No.:	Q3426
Lab Sample ID:	VN1027WBS01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	20.8		1	0.22	1.00	ug/L	10/27/25 11:55	VN102725
74-87-3	Chloromethane	21.3		1	0.32	1.00	ug/L	10/27/25 11:55	VN102725
75-01-4	Vinyl Chloride	21.1		1	0.26	1.00	ug/L	10/27/25 11:55	VN102725
74-83-9	Bromomethane	20.3		1	1.40	5.00	ug/L	10/27/25 11:55	VN102725
75-00-3	Chloroethane	18.8		1	0.47	1.00	ug/L	10/27/25 11:55	VN102725
75-69-4	Trichlorofluoromethane	19.7		1	0.33	1.00	ug/L	10/27/25 11:55	VN102725
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1	0.25	1.00	ug/L	10/27/25 11:55	VN102725
75-65-0	Tert butyl alcohol	110		1	5.50	25.0	ug/L	10/27/25 11:55	VN102725
75-35-4	1,1-Dichloroethene	19.1		1	0.23	1.00	ug/L	10/27/25 11:55	VN102725
67-64-1	Acetone	100		1	1.50	5.00	ug/L	10/27/25 11:55	VN102725
75-15-0	Carbon Disulfide	19.9		1	0.21	1.00	ug/L	10/27/25 11:55	VN102725
1634-04-4	Methyl tert-butyl Ether	21.8		1	0.16	1.00	ug/L	10/27/25 11:55	VN102725
79-20-9	Methyl Acetate	22.6		1	0.27	1.00	ug/L	10/27/25 11:55	VN102725
75-09-2	Methylene Chloride	23.6		1	0.28	1.00	ug/L	10/27/25 11:55	VN102725
156-60-5	trans-1,2-Dichloroethene	20.2		1	0.23	1.00	ug/L	10/27/25 11:55	VN102725
75-34-3	1,1-Dichloroethane	22.2		1	0.23	1.00	ug/L	10/27/25 11:55	VN102725
110-82-7	Cyclohexane	21.0		1	1.50	5.00	ug/L	10/27/25 11:55	VN102725
78-93-3	2-Butanone	110		1	0.98	5.00	ug/L	10/27/25 11:55	VN102725
56-23-5	Carbon Tetrachloride	22.2		1	0.25	1.00	ug/L	10/27/25 11:55	VN102725
156-59-2	cis-1,2-Dichloroethene	21.2		1	0.19	1.00	ug/L	10/27/25 11:55	VN102725
74-97-5	Bromochloromethane	25.0		1	0.22	1.00	ug/L	10/27/25 11:55	VN102725
67-66-3	Chloroform	22.7		1	0.25	1.00	ug/L	10/27/25 11:55	VN102725
71-55-6	1,1,1-Trichloroethane	21.8		1	0.20	1.00	ug/L	10/27/25 11:55	VN102725
108-87-2	Methylcyclohexane	19.8		1	0.16	1.00	ug/L	10/27/25 11:55	VN102725
71-43-2	Benzene	21.8		1	0.15	1.00	ug/L	10/27/25 11:55	VN102725
107-06-2	1,2-Dichloroethane	24.4		1	0.22	1.00	ug/L	10/27/25 11:55	VN102725
79-01-6	Trichloroethene	21.1		1	0.090	1.00	ug/L	10/27/25 11:55	VN102725
78-87-5	1,2-Dichloropropane	21.9		1	0.20	1.00	ug/L	10/27/25 11:55	VN102725
75-27-4	Bromodichloromethane	22.8		1	0.22	1.00	ug/L	10/27/25 11:55	VN102725
108-10-1	4-Methyl-2-Pentanone	120		1	0.68	5.00	ug/L	10/27/25 11:55	VN102725
108-88-3	Toluene	21.5		1	0.14	1.00	ug/L	10/27/25 11:55	VN102725
10061-02-6	t-1,3-Dichloropropene	21.9		1	0.17	1.00	ug/L	10/27/25 11:55	VN102725
10061-01-5	cis-1,3-Dichloropropene	22.3		1	0.16	1.00	ug/L	10/27/25 11:55	VN102725
79-00-5	1,1,2-Trichloroethane	22.1		1	0.21	1.00	ug/L	10/27/25 11:55	VN102725
591-78-6	2-Hexanone	110		1	0.89	5.00	ug/L	10/27/25 11:55	VN102725
124-48-1	Dibromochloromethane	21.5		1	0.18	1.00	ug/L	10/27/25 11:55	VN102725
106-93-4	1,2-Dibromoethane	22.1		1	0.15	1.00	ug/L	10/27/25 11:55	VN102725
127-18-4	Tetrachloroethene	20.9		1	0.23	1.00	ug/L	10/27/25 11:55	VN102725
108-90-7	Chlorobenzene	21.3		1	0.12	1.00	ug/L	10/27/25 11:55	VN102725
100-41-4	Ethyl Benzene	20.9		1	0.13	1.00	ug/L	10/27/25 11:55	VN102725
179601-23-1	m/p-Xylenes	42.1		1	0.24	2.00	ug/L	10/27/25 11:55	VN102725
95-47-6	o-Xylene	21.2		1	0.12	1.00	ug/L	10/27/25 11:55	VN102725
100-42-5	Styrene	21.9		1	0.15	1.00	ug/L	10/27/25 11:55	VN102725

Raw Data: **VN088105.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Willow	Date Received:	
Client Sample ID:	VN1027WBS01	SDG No.:	Q3426
Lab Sample ID:	VN1027WBS01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	21.8		1	0.19	1.00	ug/L	10/27/25 11:55	VN102725
98-82-8	Isopropylbenzene	20.1		1	0.12	1.00	ug/L	10/27/25 11:55	VN102725
79-34-5	1,1,2,2-Tetrachloroethane	21.5		1	0.26	1.00	ug/L	10/27/25 11:55	VN102725
95-63-6	1,2,4-Trimethylbenzene	20.6		1	0.14	1.00	ug/L	10/27/25 11:55	VN102725
541-73-1	1,3-Dichlorobenzene	20.8		1	0.16	1.00	ug/L	10/27/25 11:55	VN102725
106-46-7	1,4-Dichlorobenzene	20.1		1	0.19	1.00	ug/L	10/27/25 11:55	VN102725
95-50-1	1,2-Dichlorobenzene	20.7		1	0.16	1.00	ug/L	10/27/25 11:55	VN102725
96-12-8	1,2-Dibromo-3-Chloropropane	21.0		1	0.53	1.00	ug/L	10/27/25 11:55	VN102725
120-82-1	1,2,4-Trichlorobenzene	20.7		1	0.20	1.00	ug/L	10/27/25 11:55	VN102725
87-61-6	1,2,3-Trichlorobenzene	20.5		1	0.20	1.00	ug/L	10/27/25 11:55	VN102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.2			74 - 125	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.2			75 - 124	106%	SPK: 50		
2037-26-5	Toluene-d8	51.1			86 - 113	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.6			77 - 121	105%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	301000							
540-36-3	1,4-Difluorobenzene	564000							
3114-55-4	Chlorobenzene-d5	505000							
3855-82-1	1,4-Dichlorobenzene-d4	257000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088105.D
Acq On : 27 Oct 2025 11:55
Operator : JC\MD
Sample : VN1027WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 28 01:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	300941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	563874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	505093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	256562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	292467	56.202	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.400%			
35) Dibromofluoromethane	8.147	113	201534	53.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.400%			
50) Toluene-d8	10.547	98	745408	51.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.829	95	271139	52.599	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	70657	20.814	ug/l	97
3) Chloromethane	2.383	50	85119	21.314	ug/l	98
4) Vinyl Chloride	2.536	62	91995	21.142	ug/l	100
5) Bromomethane	2.983	94	52750	20.268	ug/l	100
6) Chloroethane	3.142	64	58867	18.777	ug/l	100
7) Trichlorofluoromethane	3.512	101	136634	19.687	ug/l	99
8) Diethyl Ether	3.959	74	52943	20.525	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.377	101	72457	20.232	ug/l	97
10) Methyl Iodide	4.583	142	63251	20.612	ug/l	92
11) Tert butyl alcohol	5.524	59	102660	114.510	ug/l	99
12) 1,1-Dichloroethene	4.342	96	72424	19.147	ug/l	97
13) Acrolein	4.183	56	131856	130.754	ug/l	99
14) Allyl chloride	5.012	41	135015	20.365	ug/l	95
15) Acrylonitrile	5.712	53	271724	111.268	ug/l	100
16) Acetone	4.424	43	272627	104.280	ug/l	99
17) Carbon Disulfide	4.706	76	228511	19.874	ug/l	100
18) Methyl Acetate	5.024	43	120917	22.592	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	302666	21.789	ug/l	98
20) Methylene Chloride	5.271	84	94419	23.618	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	83955	20.221	ug/l	99
22) Diisopropyl ether	6.659	45	307416	22.048	ug/l	95
23) Vinyl Acetate	6.594	43	1424145	113.392	ug/l	97
24) 1,1-Dichloroethane	6.553	63	171245	22.172	ug/l	97
25) 2-Butanone	7.471	43	383491	111.307	ug/l	99
26) 2,2-Dichloropropane	7.471	77	152872	21.781	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	101089	21.150	ug/l	95
28) Bromochloromethane	7.794	49	91201	24.991	ug/l	98
29) Tetrahydrofuran	7.830	42	252484	112.448	ug/l	98
30) Chloroform	7.947	83	174874	22.664	ug/l	98
31) Cyclohexane	8.241	56	153037	21.009	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	150009	21.829	ug/l	96
36) 1,1-Dichloropropene	8.353	75	120548	21.795	ug/l	99
37) Ethyl Acetate	7.547	43	156235	21.888	ug/l	98
38) Carbon Tetrachloride	8.341	117	127037	22.238	ug/l	100
39) Methylcyclohexane	9.577	83	141080	19.844	ug/l	98
40) Benzene	8.588	78	366941	21.784	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088105.D
Acq On : 27 Oct 2025 11:55
Operator : JC\MD
Sample : VN1027WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 28 01:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	83450	22.213	ug/l		98
42) 1,2-Dichloroethane	8.653	62	145750	24.352	ug/l		98
43) Isopropyl Acetate	8.671	43	249652	22.762	ug/l		98
44) Trichloroethene	9.335	130	83048	21.093	ug/l		98
45) 1,2-Dichloropropane	9.606	63	93135	21.901	ug/l		97
46) Dibromomethane	9.688	93	67628	22.297	ug/l		98
47) Bromodichloromethane	9.865	83	138182	22.756	ug/l		98
48) Methyl methacrylate	9.665	41	116857	23.077	ug/l		97
49) 1,4-Dioxane	9.682	88	27524	437.028	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.424	43	756352	116.567	ug/l		100
52) Toluene	10.612	92	223155	21.487	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	141361	21.872	ug/l		97
54) cis-1,3-Dichloropropene	10.294	75	152892	22.294	ug/l		96
55) 1,1,2-Trichloroethane	11.000	97	87269	22.149	ug/l		98
56) Ethyl methacrylate	10.859	69	134518	21.574	ug/l		97
57) 1,3-Dichloropropane	11.141	76	154575	22.319	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	327194	100.882	ug/l		99
59) 2-Hexanone	11.176	43	492033	114.310	ug/l		99
60) Dibromochloromethane	11.335	129	96318	21.507	ug/l		100
61) 1,2-Dibromoethane	11.447	107	89527	22.078	ug/l		98
64) Tetrachloroethene	11.082	164	69633	20.900	ug/l		89
65) Chlorobenzene	11.871	112	244731	21.338	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.941	131	81619	21.722	ug/l		98
67) Ethyl Benzene	11.941	91	421252	20.925	ug/l		99
68) m/p-Xylenes	12.053	106	317335	42.070	ug/l		100
69) o-Xylene	12.376	106	151783	21.227	ug/l		99
70) Styrene	12.394	104	254839	21.855	ug/l		98
71) Bromoform	12.559	173	61158	21.810	ug/l	#	99
73) Isopropylbenzene	12.671	105	397427	20.084	ug/l		100
74) N-amyl acetate	12.629	43	128367m	22.852	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	132181	21.456	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	112443m	19.169	ug/l		
77) Bromobenzene	12.959	156	92521	21.683	ug/l		97
78) n-propylbenzene	13.012	91	492713	20.404	ug/l		100
79) 2-Chlorotoluene	13.100	91	294890	21.413	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	333799	20.311	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.718	75	38179	18.156	ug/l		91
82) 4-Chlorotoluene	13.200	91	303454	20.367	ug/l		100
83) tert-Butylbenzene	13.418	119	286500	19.516	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	339120	20.625	ug/l		99
85) sec-Butylbenzene	13.594	105	429310	19.904	ug/l		100
86) p-Isopropyltoluene	13.706	119	354614	20.495	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	177044	20.784	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	184081	20.120	ug/l		98
89) n-Butylbenzene	14.035	91	344021	20.072	ug/l		99
90) Hexachloroethane	14.312	117	66650	19.892	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	169616	20.657	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	30171	21.041	ug/l		96
93) 1,2,4-Trichlorobenzene	15.370	180	102766	20.665	ug/l		97
94) Hexachlorobutadiene	15.470	225	38748	20.924	ug/l		99
95) Naphthalene	15.617	128	338638	19.878	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	97739	20.498	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088105.D
Acq On : 27 Oct 2025 11:55
Operator : JC\MD
Sample : VN1027WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 28 01:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

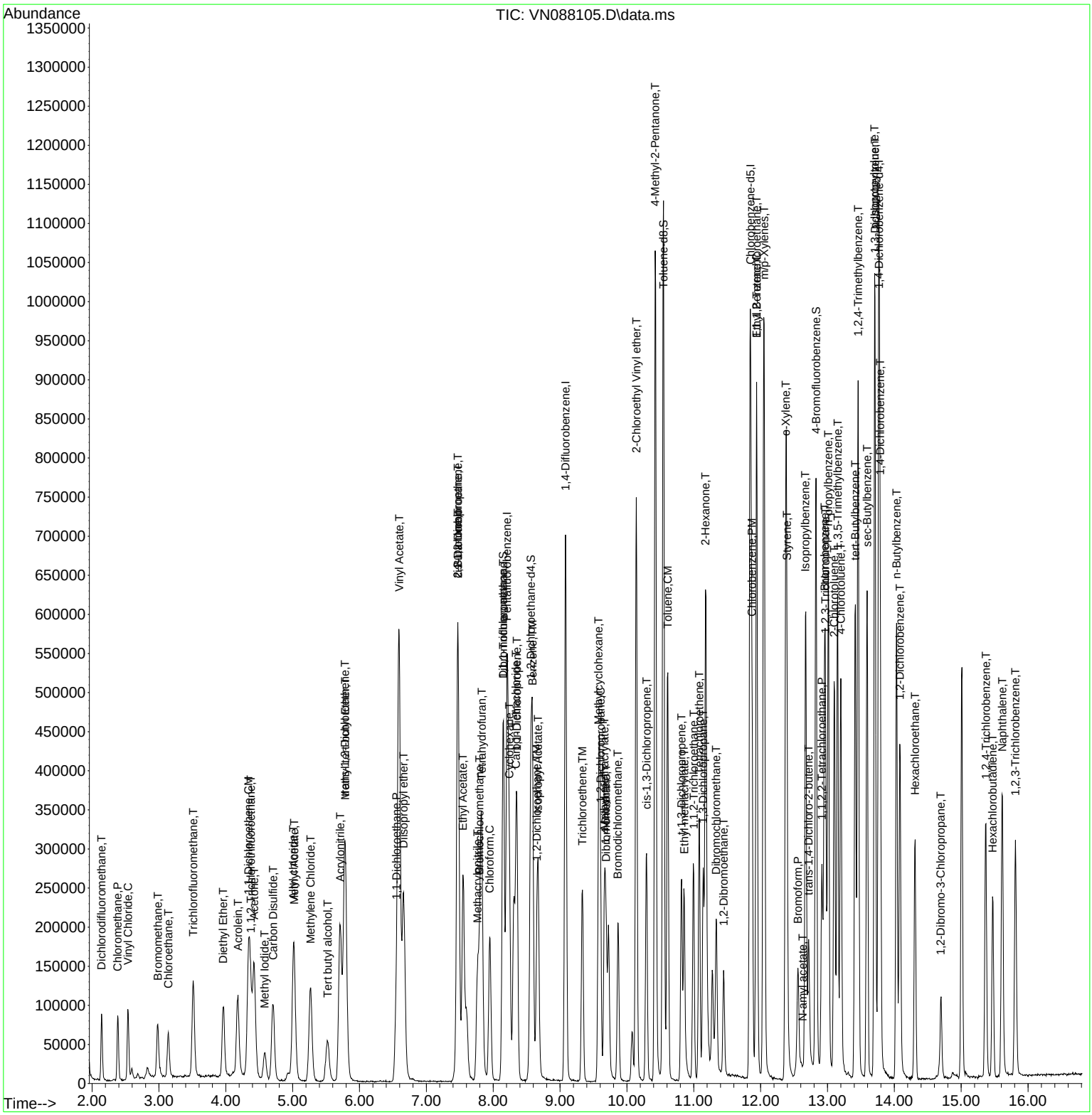
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088105.D
Acq On : 27 Oct 2025 11:55
Operator : JC\MD
Sample : VN1027WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 28 01:22:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



Raw Data: **VN088131.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Willow			Date Received:	
Client Sample ID:	VN1028WBS02			SDG No.:	Q3426
Lab Sample ID:	VN1028WBS02			Matrix:	Water
Analytical Method:	8260D	Level :	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.2		1	0.22	1.00	ug/L	10/28/25 12:14	VN102825
74-87-3	Chloromethane	19.9		1	0.32	1.00	ug/L	10/28/25 12:14	VN102825
75-01-4	Vinyl Chloride	20.9		1	0.26	1.00	ug/L	10/28/25 12:14	VN102825
74-83-9	Bromomethane	18.2		1	1.40	5.00	ug/L	10/28/25 12:14	VN102825
75-00-3	Chloroethane	18.0		1	0.47	1.00	ug/L	10/28/25 12:14	VN102825
75-69-4	Trichlorofluoromethane	19.9		1	0.33	1.00	ug/L	10/28/25 12:14	VN102825
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1	0.25	1.00	ug/L	10/28/25 12:14	VN102825
75-65-0	Tert butyl alcohol	110		1	5.50	25.0	ug/L	10/28/25 12:14	VN102825
75-35-4	1,1-Dichloroethene	18.9		1	0.23	1.00	ug/L	10/28/25 12:14	VN102825
67-64-1	Acetone	100		1	1.50	5.00	ug/L	10/28/25 12:14	VN102825
75-15-0	Carbon Disulfide	19.3		1	0.21	1.00	ug/L	10/28/25 12:14	VN102825
1634-04-4	Methyl tert-butyl Ether	21.2		1	0.16	1.00	ug/L	10/28/25 12:14	VN102825
79-20-9	Methyl Acetate	22.0		1	0.27	1.00	ug/L	10/28/25 12:14	VN102825
75-09-2	Methylene Chloride	22.1		1	0.28	1.00	ug/L	10/28/25 12:14	VN102825
156-60-5	trans-1,2-Dichloroethene	19.8		1	0.23	1.00	ug/L	10/28/25 12:14	VN102825
75-34-3	1,1-Dichloroethane	21.6		1	0.23	1.00	ug/L	10/28/25 12:14	VN102825
110-82-7	Cyclohexane	21.2		1	1.50	5.00	ug/L	10/28/25 12:14	VN102825
78-93-3	2-Butanone	110		1	0.98	5.00	ug/L	10/28/25 12:14	VN102825
56-23-5	Carbon Tetrachloride	22.4		1	0.25	1.00	ug/L	10/28/25 12:14	VN102825
156-59-2	cis-1,2-Dichloroethene	20.2		1	0.19	1.00	ug/L	10/28/25 12:14	VN102825
74-97-5	Bromochloromethane	18.2		1	0.22	1.00	ug/L	10/28/25 12:14	VN102825
67-66-3	Chloroform	21.3		1	0.25	1.00	ug/L	10/28/25 12:14	VN102825
71-55-6	1,1,1-Trichloroethane	21.3		1	0.20	1.00	ug/L	10/28/25 12:14	VN102825
108-87-2	Methylcyclohexane	20.9		1	0.16	1.00	ug/L	10/28/25 12:14	VN102825
71-43-2	Benzene	21.7		1	0.15	1.00	ug/L	10/28/25 12:14	VN102825
107-06-2	1,2-Dichloroethane	23.7		1	0.22	1.00	ug/L	10/28/25 12:14	VN102825
79-01-6	Trichloroethene	21.2		1	0.090	1.00	ug/L	10/28/25 12:14	VN102825
78-87-5	1,2-Dichloropropane	21.8		1	0.20	1.00	ug/L	10/28/25 12:14	VN102825
75-27-4	Bromodichloromethane	22.3		1	0.22	1.00	ug/L	10/28/25 12:14	VN102825
108-10-1	4-Methyl-2-Pentanone	110		1	0.68	5.00	ug/L	10/28/25 12:14	VN102825
108-88-3	Toluene	21.5		1	0.14	1.00	ug/L	10/28/25 12:14	VN102825
10061-02-6	t-1,3-Dichloropropene	21.3		1	0.17	1.00	ug/L	10/28/25 12:14	VN102825
10061-01-5	cis-1,3-Dichloropropene	21.8		1	0.16	1.00	ug/L	10/28/25 12:14	VN102825
79-00-5	1,1,2-Trichloroethane	21.7		1	0.21	1.00	ug/L	10/28/25 12:14	VN102825
591-78-6	2-Hexanone	110		1	0.89	5.00	ug/L	10/28/25 12:14	VN102825
124-48-1	Dibromochloromethane	20.8		1	0.18	1.00	ug/L	10/28/25 12:14	VN102825
106-93-4	1,2-Dibromoethane	21.2		1	0.15	1.00	ug/L	10/28/25 12:14	VN102825
127-18-4	Tetrachloroethene	20.8		1	0.23	1.00	ug/L	10/28/25 12:14	VN102825
108-90-7	Chlorobenzene	21.2		1	0.12	1.00	ug/L	10/28/25 12:14	VN102825
100-41-4	Ethyl Benzene	22.0		1	0.13	1.00	ug/L	10/28/25 12:14	VN102825
179601-23-1	m/p-Xylenes	43.2		1	0.24	2.00	ug/L	10/28/25 12:14	VN102825
95-47-6	o-Xylene	22.1		1	0.12	1.00	ug/L	10/28/25 12:14	VN102825
100-42-5	Styrene	22.0		1	0.15	1.00	ug/L	10/28/25 12:14	VN102825

Raw Data: **VN088131.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Willow			Date Received:	
Client Sample ID:	VN1028WBS02			SDG No.:	Q3426
Lab Sample ID:	VN1028WBS02			Matrix:	Water
Analytical Method:	8260D	Level : LOW		% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL		Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	21.0		1	0.19	1.00	ug/L	10/28/25 12:14	VN102825
98-82-8	Isopropylbenzene	21.3		1	0.12	1.00	ug/L	10/28/25 12:14	VN102825
79-34-5	1,1,2,2-Tetrachloroethane	21.7		1	0.26	1.00	ug/L	10/28/25 12:14	VN102825
95-63-6	1,2,4-Trimethylbenzene	22.0		1	0.14	1.00	ug/L	10/28/25 12:14	VN102825
541-73-1	1,3-Dichlorobenzene	21.6		1	0.16	1.00	ug/L	10/28/25 12:14	VN102825
106-46-7	1,4-Dichlorobenzene	21.1		1	0.19	1.00	ug/L	10/28/25 12:14	VN102825
95-50-1	1,2-Dichlorobenzene	21.4		1	0.16	1.00	ug/L	10/28/25 12:14	VN102825
96-12-8	1,2-Dibromo-3-Chloropropane	21.5		1	0.53	1.00	ug/L	10/28/25 12:14	VN102825
120-82-1	1,2,4-Trichlorobenzene	21.8		1	0.20	1.00	ug/L	10/28/25 12:14	VN102825
87-61-6	1,2,3-Trichlorobenzene	21.5		1	0.20	1.00	ug/L	10/28/25 12:14	VN102825
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	48.6			74 - 125	97%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.6			75 - 124	95%	SPK: 50		
2037-26-5	Toluene-d8	46.6			86 - 113	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.9			77 - 121	96%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	325000							
540-36-3	1,4-Difluorobenzene	591000							
3114-55-4	Chlorobenzene-d5	518000							
3855-82-1	1,4-Dichlorobenzene-d4	258000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VN088131.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088131.D
Acq On : 28 Oct 2025 12:14
Operator : JC\MD
Sample : VN1028WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	325166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	590689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	518318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	257534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	273190	48.586	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.180%			
35) Dibromofluoromethane	8.147	113	189017	47.632	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.260%			
50) Toluene-d8	10.547	98	712359	46.588	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.180%			
62) 4-Bromofluorobenzene	12.829	95	258768	47.920	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	77690	21.181	ug/l	99
3) Chloromethane	2.383	50	85838	19.893	ug/l	95
4) Vinyl Chloride	2.536	62	98275	20.902	ug/l	96
5) Bromomethane	2.977	94	51181	18.200	ug/l	100
6) Chloroethane	3.136	64	61088	18.034	ug/l	98
7) Trichlorofluoromethane	3.512	101	148941	19.862	ug/l	98
8) Diethyl Ether	3.959	74	53342	19.139	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	79588	20.568	ug/l	97
10) Methyl Iodide	4.583	142	65792	20.000	ug/l	95
11) Tert butyl alcohol	5.530	59	111178	114.772	ug/l	99
12) 1,1-Dichloroethene	4.336	96	77317	18.918	ug/l	96
13) Acrolein	4.171	56	114071	104.690	ug/l	99
14) Allyl chloride	5.018	41	147339	20.568	ug/l	98
15) Acrylonitrile	5.700	53	284665	107.883	ug/l	98
16) Acetone	4.424	43	295453	104.592	ug/l	99
17) Carbon Disulfide	4.706	76	239613	19.287	ug/l	96
18) Methyl Acetate	5.024	43	127029	21.965	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	318362	21.211	ug/l	96
20) Methylene Chloride	5.259	84	95365	22.128	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	88610	19.752	ug/l	98
22) Diisopropyl ether	6.659	45	325063	21.577	ug/l	99
23) Vinyl Acetate	6.588	43	1478290	108.934	ug/l	98
24) 1,1-Dichloroethane	6.547	63	180290	21.604	ug/l	96
25) 2-Butanone	7.471	43	403726	108.450	ug/l	99
26) 2,2-Dichloropropane	7.477	77	160728	21.194	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	104108	20.159	ug/l	91
28) Bromochloromethane	7.794	49	71770	18.201	ug/l	97
29) Tetrahydrofuran	7.824	42	260635	107.430	ug/l	98
30) Chloroform	7.947	83	177987	21.349	ug/l	98
31) Cyclohexane	8.235	56	166823	21.195	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	157809	21.253	ug/l	95
36) 1,1-Dichloropropene	8.359	75	129330	22.321	ug/l	99
37) Ethyl Acetate	7.547	43	153324	20.505	ug/l	97
38) Carbon Tetrachloride	8.341	117	133965	22.386	ug/l	99
39) Methylcyclohexane	9.577	83	155944	20.939	ug/l	98
40) Benzene	8.588	78	382335	21.667	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088131.D
Acq On : 28 Oct 2025 12:14
Operator : JC\MD
Sample : VN1028WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	79477	20.195	ug/l		94
42) 1,2-Dichloroethane	8.653	62	148298	23.653	ug/l		98
43) Isopropyl Acetate	8.671	43	254024	22.109	ug/l		98
44) Trichloroethene	9.335	130	87325	21.172	ug/l		94
45) 1,2-Dichloropropane	9.606	63	97153	21.808	ug/l		94
46) Dibromomethane	9.688	93	70617	22.226	ug/l		98
47) Bromodichloromethane	9.871	83	141673	22.272	ug/l		95
48) Methyl methacrylate	9.665	41	118598	22.358	ug/l		98
49) 1,4-Dioxane	9.682	88	32376	490.732	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.424	43	775284	114.061	ug/l		99
52) Toluene	10.612	92	234045	21.513	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	144181	21.296	ug/l		100
54) cis-1,3-Dichloropropene	10.294	75	156786	21.824	ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	89511	21.686	ug/l		95
56) Ethyl methacrylate	10.859	69	141312	21.634	ug/l		98
57) 1,3-Dichloropropane	11.141	76	158867	21.898	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	348254	102.500	ug/l		99
59) 2-Hexanone	11.176	43	505757	112.165	ug/l		97
60) Dibromochloromethane	11.341	129	97503	20.783	ug/l		100
61) 1,2-Dibromoethane	11.447	107	90122	21.216	ug/l		100
64) Tetrachloroethene	11.082	164	70978	20.760	ug/l		93
65) Chlorobenzene	11.871	112	249179	21.172	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.935	131	84133	21.819	ug/l		97
67) Ethyl Benzene	11.941	91	454481	21.999	ug/l		99
68) m/p-Xylenes	12.053	106	334254	43.182	ug/l		100
69) o-Xylene	12.376	106	161967	22.073	ug/l		98
70) Styrene	12.394	104	263534	22.024	ug/l		97
71) Bromoform	12.559	173	60295	20.954	ug/l	#	98
73) Isopropylbenzene	12.676	105	423716	21.332	ug/l		100
74) N-amyl acetate	12.600	43	106092m	18.815	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	133928	21.657	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	115512m	19.618	ug/l		
77) Bromobenzene	12.959	156	93515	21.833	ug/l		98
78) n-propylbenzene	13.012	91	526032	21.701	ug/l		99
79) 2-Chlorotoluene	13.106	91	311766	22.553	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	360921	21.879	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.717	75	35250	16.700	ug/l	#	94
82) 4-Chlorotoluene	13.200	91	326837	21.854	ug/l		98
83) tert-Butylbenzene	13.417	119	310595	21.077	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	363876	22.047	ug/l		99
85) sec-Butylbenzene	13.594	105	467526	21.594	ug/l		99
86) p-Isopropyltoluene	13.706	119	390138	22.463	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	184656	21.596	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	193366	21.055	ug/l		99
89) n-Butylbenzene	14.035	91	369331	21.468	ug/l		98
90) Hexachloroethane	14.312	117	67538	20.081	ug/l		97
91) 1,2-Dichlorobenzene	14.088	146	176669	21.434	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	30996	21.535	ug/l		91
93) 1,2,4-Trichlorobenzene	15.370	180	108720	21.780	ug/l		96
94) Hexachlorobutadiene	15.470	225	41569	22.362	ug/l		98
95) Naphthalene	15.617	128	355769	20.805	ug/l		98
96) 1,2,3-Trichlorobenzene	15.811	180	102773	21.473	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088131.D
Acq On : 28 Oct 2025 12:14
Operator : JC\MD
Sample : VN1028WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

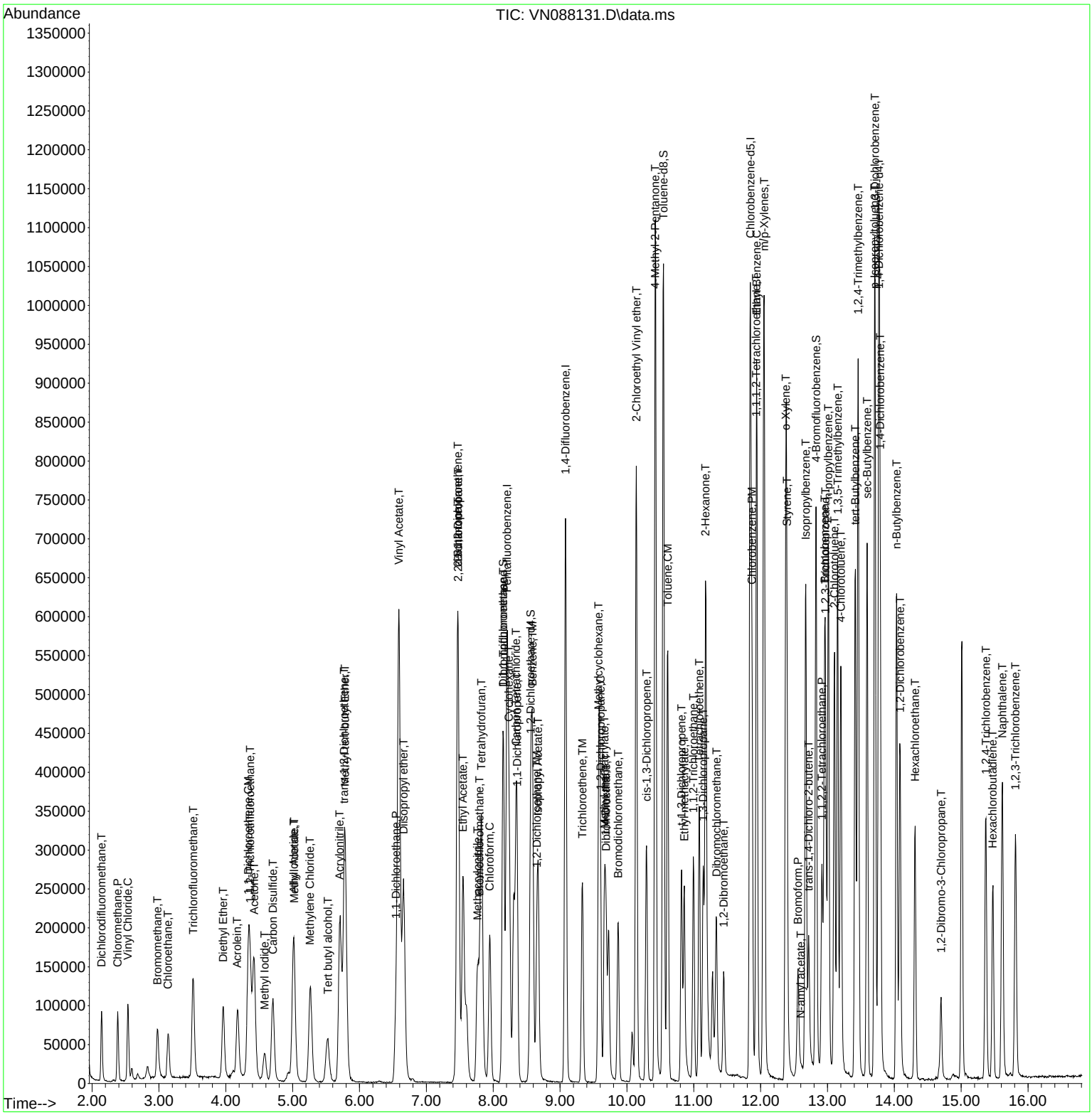
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088131.D
Acq On : 28 Oct 2025 12:14
Operator : JC\MD
Sample : VN1028WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 29 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



Raw Data: **VN088106.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Willow	Date Received:	
Client Sample ID:	VN1027WBSD01	SDG No.:	Q3426
Lab Sample ID:	VN1027WBSD01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.5		1	0.22	1.00	ug/L	10/27/25 12:29	VN102725
74-87-3	Chloromethane	21.1		1	0.32	1.00	ug/L	10/27/25 12:29	VN102725
75-01-4	Vinyl Chloride	20.9		1	0.26	1.00	ug/L	10/27/25 12:29	VN102725
74-83-9	Bromomethane	20.2		1	1.40	5.00	ug/L	10/27/25 12:29	VN102725
75-00-3	Chloroethane	18.9		1	0.47	1.00	ug/L	10/27/25 12:29	VN102725
75-69-4	Trichlorofluoromethane	19.6		1	0.33	1.00	ug/L	10/27/25 12:29	VN102725
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1	0.25	1.00	ug/L	10/27/25 12:29	VN102725
75-65-0	Tert butyl alcohol	120		1	5.50	25.0	ug/L	10/27/25 12:29	VN102725
75-35-4	1,1-Dichloroethene	18.9		1	0.23	1.00	ug/L	10/27/25 12:29	VN102725
67-64-1	Acetone	100		1	1.50	5.00	ug/L	10/27/25 12:29	VN102725
75-15-0	Carbon Disulfide	19.9		1	0.21	1.00	ug/L	10/27/25 12:29	VN102725
1634-04-4	Methyl tert-butyl Ether	21.8		1	0.16	1.00	ug/L	10/27/25 12:29	VN102725
79-20-9	Methyl Acetate	23.1		1	0.27	1.00	ug/L	10/27/25 12:29	VN102725
75-09-2	Methylene Chloride	23.4		1	0.28	1.00	ug/L	10/27/25 12:29	VN102725
156-60-5	trans-1,2-Dichloroethene	19.4		1	0.23	1.00	ug/L	10/27/25 12:29	VN102725
75-34-3	1,1-Dichloroethane	22.1		1	0.23	1.00	ug/L	10/27/25 12:29	VN102725
110-82-7	Cyclohexane	21.3		1	1.50	5.00	ug/L	10/27/25 12:29	VN102725
78-93-3	2-Butanone	110		1	0.98	5.00	ug/L	10/27/25 12:29	VN102725
56-23-5	Carbon Tetrachloride	21.7		1	0.25	1.00	ug/L	10/27/25 12:29	VN102725
156-59-2	cis-1,2-Dichloroethene	20.8		1	0.19	1.00	ug/L	10/27/25 12:29	VN102725
74-97-5	Bromochloromethane	25.2		1	0.22	1.00	ug/L	10/27/25 12:29	VN102725
67-66-3	Chloroform	21.9		1	0.25	1.00	ug/L	10/27/25 12:29	VN102725
71-55-6	1,1,1-Trichloroethane	21.6		1	0.20	1.00	ug/L	10/27/25 12:29	VN102725
108-87-2	Methylcyclohexane	20.5		1	0.16	1.00	ug/L	10/27/25 12:29	VN102725
71-43-2	Benzene	21.8		1	0.15	1.00	ug/L	10/27/25 12:29	VN102725
107-06-2	1,2-Dichloroethane	24.5		1	0.22	1.00	ug/L	10/27/25 12:29	VN102725
79-01-6	Trichloroethene	21.3		1	0.090	1.00	ug/L	10/27/25 12:29	VN102725
78-87-5	1,2-Dichloropropane	22.8		1	0.20	1.00	ug/L	10/27/25 12:29	VN102725
75-27-4	Bromodichloromethane	23.2		1	0.22	1.00	ug/L	10/27/25 12:29	VN102725
108-10-1	4-Methyl-2-Pentanone	120		1	0.68	5.00	ug/L	10/27/25 12:29	VN102725
108-88-3	Toluene	21.6		1	0.14	1.00	ug/L	10/27/25 12:29	VN102725
10061-02-6	t-1,3-Dichloropropene	22.6		1	0.17	1.00	ug/L	10/27/25 12:29	VN102725
10061-01-5	cis-1,3-Dichloropropene	22.4		1	0.16	1.00	ug/L	10/27/25 12:29	VN102725
79-00-5	1,1,2-Trichloroethane	22.2		1	0.21	1.00	ug/L	10/27/25 12:29	VN102725
591-78-6	2-Hexanone	120		1	0.89	5.00	ug/L	10/27/25 12:29	VN102725
124-48-1	Dibromochloromethane	22.0		1	0.18	1.00	ug/L	10/27/25 12:29	VN102725
106-93-4	1,2-Dibromoethane	22.7		1	0.15	1.00	ug/L	10/27/25 12:29	VN102725
127-18-4	Tetrachloroethene	21.4		1	0.23	1.00	ug/L	10/27/25 12:29	VN102725
108-90-7	Chlorobenzene	21.2		1	0.12	1.00	ug/L	10/27/25 12:29	VN102725
100-41-4	Ethyl Benzene	21.4		1	0.13	1.00	ug/L	10/27/25 12:29	VN102725
179601-23-1	m/p-Xylenes	42.3		1	0.24	2.00	ug/L	10/27/25 12:29	VN102725
95-47-6	o-Xylene	21.4		1	0.12	1.00	ug/L	10/27/25 12:29	VN102725
100-42-5	Styrene	22.1		1	0.15	1.00	ug/L	10/27/25 12:29	VN102725

Raw Data: **VN088106.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Willow			Date Received:	
Client Sample ID:	VN1027WBSD01			SDG No.:	Q3426
Lab Sample ID:	VN1027WBSD01			Matrix:	Water
Analytical Method:	8260D	Level : LOW		% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL		Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	22.7		1	0.19	1.00	ug/L	10/27/25 12:29	VN102725
98-82-8	Isopropylbenzene	20.6		1	0.12	1.00	ug/L	10/27/25 12:29	VN102725
79-34-5	1,1,2,2-Tetrachloroethane	22.4		1	0.26	1.00	ug/L	10/27/25 12:29	VN102725
95-63-6	1,2,4-Trimethylbenzene	21.2		1	0.14	1.00	ug/L	10/27/25 12:29	VN102725
541-73-1	1,3-Dichlorobenzene	21.5		1	0.16	1.00	ug/L	10/27/25 12:29	VN102725
106-46-7	1,4-Dichlorobenzene	20.8		1	0.19	1.00	ug/L	10/27/25 12:29	VN102725
95-50-1	1,2-Dichlorobenzene	21.7		1	0.16	1.00	ug/L	10/27/25 12:29	VN102725
96-12-8	1,2-Dibromo-3-Chloropropane	23.7		1	0.53	1.00	ug/L	10/27/25 12:29	VN102725
120-82-1	1,2,4-Trichlorobenzene	21.6		1	0.20	1.00	ug/L	10/27/25 12:29	VN102725
87-61-6	1,2,3-Trichlorobenzene	21.4		1	0.20	1.00	ug/L	10/27/25 12:29	VN102725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.4			74 - 125	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.0			75 - 124	106%	SPK: 50		
2037-26-5	Toluene-d8	51.0			86 - 113	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.9			77 - 121	106%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	294000							
540-36-3	1,4-Difluorobenzene	538000							
3114-55-4	Chlorobenzene-d5	483000							
3855-82-1	1,4-Dichlorobenzene-d4	242000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088106.D
Acq On : 27 Oct 2025 12:29
Operator : JC\MD
Sample : VN1027WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 28 01:23:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	293635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	537984	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	482887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	241641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	286315	56.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.780%			
35) Dibromofluoromethane	8.147	113	191693	53.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.080%			
50) Toluene-d8	10.547	98	709565	50.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.900%			
62) 4-Bromofluorobenzene	12.829	95	260025	52.870	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	71261	21.515	ug/l	100
3) Chloromethane	2.383	50	82410	21.149	ug/l	94
4) Vinyl Chloride	2.536	62	88801	20.915	ug/l	99
5) Bromomethane	2.983	94	51246	20.180	ug/l	97
6) Chloroethane	3.142	64	57847	18.911	ug/l	98
7) Trichlorofluoromethane	3.518	101	132934	19.631	ug/l	99
8) Diethyl Ether	3.959	74	53161	21.123	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	70709	20.235	ug/l	98
10) Methyl Iodide	4.589	142	66091	21.775	ug/l	97
11) Tert butyl alcohol	5.512	59	108104	123.582	ug/l	97
12) 1,1-Dichloroethene	4.336	96	69616	18.863	ug/l	99
13) Acrolein	4.177	56	129096	131.202	ug/l	99
14) Allyl chloride	5.012	41	135399	20.931	ug/l	98
15) Acrylonitrile	5.712	53	274230	115.088	ug/l	97
16) Acetone	4.424	43	266262	104.380	ug/l	98
17) Carbon Disulfide	4.700	76	223663	19.936	ug/l	99
18) Methyl Acetate	5.018	43	120505	23.075	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	295383	21.793	ug/l	98
20) Methylene Chloride	5.265	84	91370	23.430	ug/l	95
21) trans-1,2-Dichloroethene	5.777	96	78762	19.442	ug/l	98
22) Diisopropyl ether	6.659	45	306895	22.558	ug/l	95
23) Vinyl Acetate	6.589	43	1414608	115.435	ug/l	99
24) 1,1-Dichloroethane	6.559	63	166720	22.123	ug/l	98
25) 2-Butanone	7.471	43	378924	112.718	ug/l	98
26) 2,2-Dichloropropane	7.477	77	143368	20.935	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	97110	20.823	ug/l	93
28) Bromochloromethane	7.800	49	89712	25.194	ug/l	100
29) Tetrahydrofuran	7.824	42	246891	112.693	ug/l	97
30) Chloroform	7.947	83	165210	21.944	ug/l	99
31) Cyclohexane	8.241	56	151540	21.321	ug/l	95
32) 1,1,1-Trichloroethane	8.147	97	144935	21.615	ug/l	95
36) 1,1-Dichloropropene	8.353	75	112263	21.273	ug/l	98
37) Ethyl Acetate	7.547	43	154256	22.651	ug/l	98
38) Carbon Tetrachloride	8.347	117	118077	21.664	ug/l	96
39) Methylcyclohexane	9.583	83	138896	20.477	ug/l	96
40) Benzene	8.588	78	350057	21.781	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088106.D
Acq On : 27 Oct 2025 12:29
Operator : JC\MD
Sample : VN1027WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 28 01:23:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	77520	21.628	ug/l		97
42) 1,2-Dichloroethane	8.653	62	139879	24.496	ug/l		99
43) Isopropyl Acetate	8.671	43	244736	23.387	ug/l		99
44) Trichloroethene	9.335	130	80145	21.335	ug/l		100
45) 1,2-Dichloropropane	9.600	63	92446	22.785	ug/l		97
46) Dibromomethane	9.688	93	69022	23.852	ug/l		98
47) Bromodichloromethane	9.871	83	134451	23.207	ug/l		98
48) Methyl methacrylate	9.665	41	114540	23.708	ug/l		98
49) 1,4-Dioxane	9.677	88	30609	509.401	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.424	43	749132	121.010	ug/l		100
52) Toluene	10.612	92	213928	21.590	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	139103	22.559	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	146812	22.437	ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	83503	22.213	ug/l		99
56) Ethyl methacrylate	10.859	69	140931	23.690	ug/l		98
57) 1,3-Dichloropropane	11.141	76	153031	23.160	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	325457	105.175	ug/l		100
59) 2-Hexanone	11.177	43	497859	121.230	ug/l		97
60) Dibromochloromethane	11.341	129	94099	22.023	ug/l		99
61) 1,2-Dibromoethane	11.447	107	87889	22.717	ug/l		100
64) Tetrachloroethene	11.082	164	68115	21.385	ug/l		97
65) Chlorobenzene	11.871	112	232930	21.243	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	80083	22.293	ug/l		98
67) Ethyl Benzene	11.941	91	410996	21.354	ug/l		100
68) m/p-Xylenes	12.047	106	304906	42.281	ug/l		100
69) o-Xylene	12.376	106	146136	21.377	ug/l		99
70) Styrene	12.388	104	246549	22.117	ug/l		97
71) Bromoform	12.559	173	60938	22.731	ug/l	#	96
73) Isopropylbenzene	12.676	105	384577	20.635	ug/l		100
74) N-amyl acetate	12.606	43	118608m	22.419	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	129987	22.402	ug/l		99
76) 1,2,3-Trichloropropane	12.971	75	111389m	20.162	ug/l		
77) Bromobenzene	12.959	156	90382	22.489	ug/l		99
78) n-propylbenzene	13.012	91	477927	21.014	ug/l		100
79) 2-Chlorotoluene	13.106	91	285224	21.990	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	329515	21.289	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	37323	18.845	ug/l		95
82) 4-Chlorotoluene	13.200	91	294217	20.967	ug/l		98
83) tert-Butylbenzene	13.418	119	277442	20.066	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	328873	21.236	ug/l		99
85) sec-Butylbenzene	13.594	105	417041	20.529	ug/l		99
86) p-Isopropyltoluene	13.706	119	341638	20.964	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	172884	21.549	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	179380	20.817	ug/l		98
89) n-Butylbenzene	14.035	91	337732	20.922	ug/l		99
90) Hexachloroethane	14.306	117	63496	20.120	ug/l		95
91) 1,2-Dichlorobenzene	14.082	146	168164	21.745	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	31995	23.691	ug/l		90
93) 1,2,4-Trichlorobenzene	15.370	180	100963	21.556	ug/l		99
94) Hexachlorobutadiene	15.476	225	38434	22.036	ug/l		98
95) Naphthalene	15.612	128	337829	21.055	ug/l		100
96) 1,2,3-Trichlorobenzene	15.812	180	95974	21.371	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088106.D
Acq On : 27 Oct 2025 12:29
Operator : JC\MD
Sample : VN1027WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 28 01:23:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

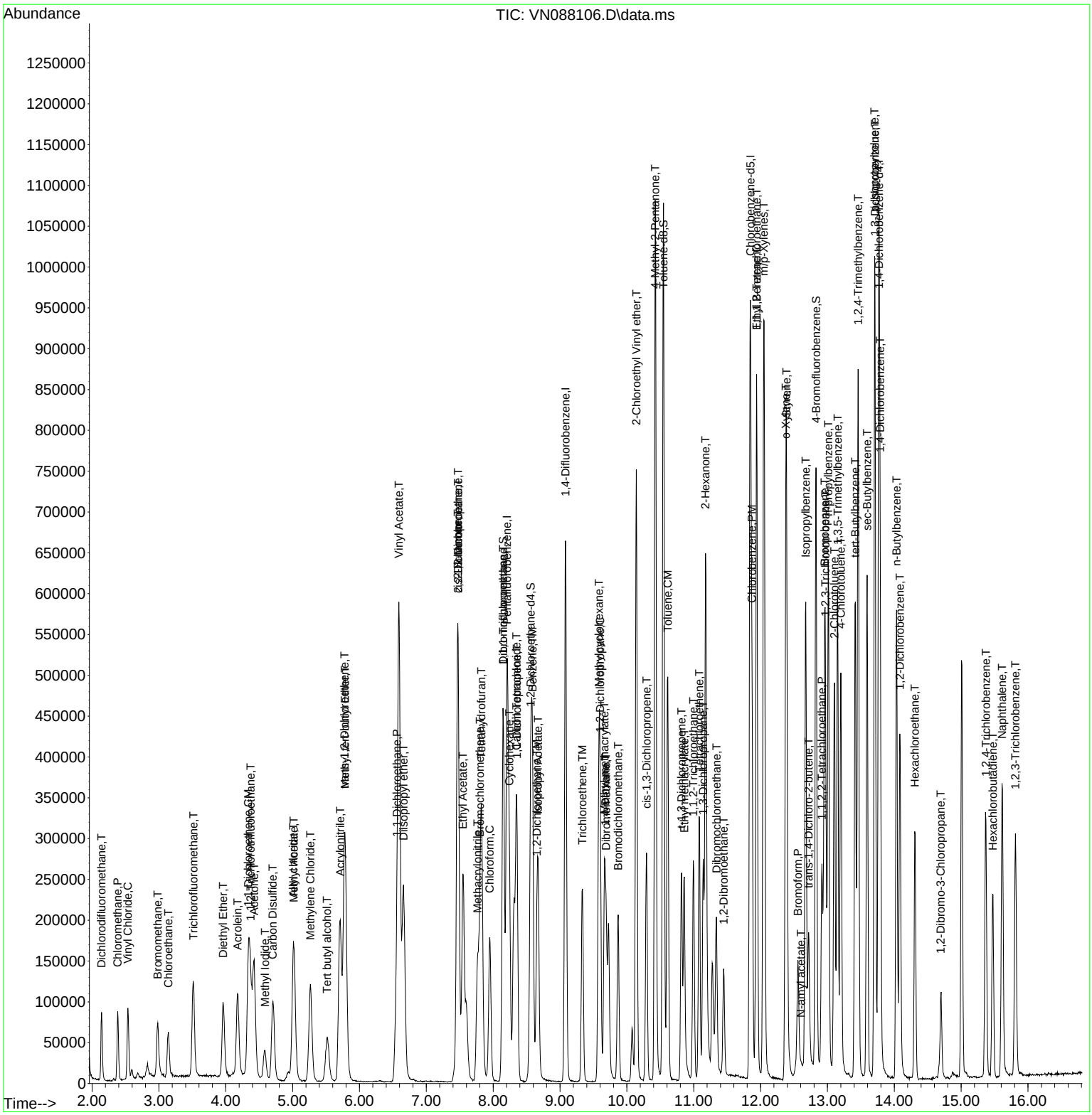
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
Data File : VN088106.D
Acq On : 27 Oct 2025 12:29
Operator : JC\MD
Sample : VN1027WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 28 01:23:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1027WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/28/2025
Supervised By :Semsettin Yesilyurt 10/28/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VN102325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN088078.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	1,4-Dichlorobenzene	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	1,4-Dioxane	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	2-Butanone	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	2-Hexanone	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	Allyl chloride	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	Ethyl Acetate	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	Ethyl methacrylate	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	Methyl methacrylate	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC001	VN088078.D	trans-1,2-Dichloroethene	JOHN	10/24/2025 8:16:14 AM	MMDadoda	10/27/2025 7:55:28 AM	Peak Integrated by Software
VSTDICC005	VN088079.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:20 AM	MMDadoda	10/27/2025 7:55:32 AM	Peak Integrated by Software
VSTDICC005	VN088079.D	N-amyl acetate	JOHN	10/24/2025 8:16:20 AM	MMDadoda	10/27/2025 7:55:32 AM	Peak Integrated by Software
VSTDICC005	VN088079.D	trans-1,4-Dichloro-2-butene	JOHN	10/24/2025 8:16:20 AM	MMDadoda	10/27/2025 7:55:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN102325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VN088080.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:24 AM	MMDadoda	10/27/2025 7:55:36 AM	Peak Integrated by Software
VSTDICC020	VN088080.D	N-amyl acetate	JOHN	10/24/2025 8:16:24 AM	MMDadoda	10/27/2025 7:55:36 AM	Peak Integrated by Software
VSTDICCC050	VN088081.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:29 AM	MMDadoda	10/27/2025 7:55:41 AM	Peak Integrated by Software
VSTDICCC050	VN088081.D	N-amyl acetate	JOHN	10/24/2025 8:16:29 AM	MMDadoda	10/27/2025 7:55:41 AM	Peak Integrated by Software
VSTDICC100	VN088082.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:34 AM	MMDadoda	10/27/2025 7:55:57 AM	Peak Integrated by Software
VSTDICC150	VN088083.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:39 AM	MMDadoda	10/27/2025 7:55:46 AM	Peak Integrated by Software
VSTDICV050	VN088085.D	1,2,3-Trichloropropane	JOHN	10/24/2025 8:16:44 AM	MMDadoda	10/27/2025 7:55:49 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN102725	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088102.D	1,2,3-Trichloropropane	JOHN	10/28/2025 7:58:22 AM	sam	10/28/2025 1:18:56 PM	Peak Integrated by Software
VSTDCCC050	VN088102.D	N-amyl acetate	JOHN	10/28/2025 7:58:22 AM	sam	10/28/2025 1:18:56 PM	Peak Integrated by Software
VN1027WBS01	VN088105.D	1,2,3-Trichloropropane	JOHN	10/28/2025 7:58:27 AM	sam	10/28/2025 1:19:00 PM	Peak Integrated by Software
VN1027WBS01	VN088105.D	N-amyl acetate	JOHN	10/28/2025 7:58:27 AM	sam	10/28/2025 1:19:00 PM	Peak Integrated by Software
VN1027WBSD01	VN088106.D	1,2,3-Trichloropropane	JOHN	10/28/2025 7:58:31 AM	sam	10/28/2025 1:19:28 PM	Peak Integrated by Software
VN1027WBSD01	VN088106.D	N-amyl acetate	JOHN	10/28/2025 7:58:31 AM	sam	10/28/2025 1:19:28 PM	Peak Integrated by Software
Q3426-03	VN088119.D	Acetone	JOHN	10/28/2025 7:58:48 AM	sam	10/28/2025 1:19:53 PM	Peak Integrated by Software
Q3426-01	VN088121.D	n-Butylbenzene	JOHN	10/28/2025 7:58:53 AM	sam	10/28/2025 1:19:18 PM	Peak Integrated by Software
VSTDCCC050	VN088125.D	1,2,3-Trichloropropane	JOHN	10/28/2025 7:59:11 AM	sam	10/28/2025 1:19:10 PM	Peak Integrated by Software
VSTDCCC050	VN088125.D	N-amyl acetate	JOHN	10/28/2025 7:59:11 AM	sam	10/28/2025 1:19:10 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VN102825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088127.D	1,2,3-Trichloropropane	JOHN	10/29/2025 8:12:12 AM	sam	10/29/2025 11:43:04 AM	Peak Integrated by Software
VSTDCCC050	VN088127.D	N-amyl acetate	JOHN	10/29/2025 8:12:12 AM	sam	10/29/2025 11:43:04 AM	Peak Integrated by Software
VN1028WBS02	VN088131.D	1,2,3-Trichloropropane	JOHN	10/29/2025 8:12:22 AM	sam	10/29/2025 11:43:20 AM	Peak Integrated by Software
VN1028WBS02	VN088131.D	N-amyl acetate	JOHN	10/29/2025 8:12:22 AM	sam	10/29/2025 11:43:20 AM	Peak Integrated by Software
VSTDCCC050	VN088145.D	1,2,3-Trichloropropane	JOHN	10/29/2025 8:13:11 AM	sam	10/29/2025 11:43:26 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102325

Review By	John Carlone	Review On	10/24/2025 8:16:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 2:53:14 PM		
SubDirectory	VN102325	HP Acquire Method		HP Processing Method	82N102325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135909
Initial Calibration Stds	VP135921,VP135922,VP135923,VP135924,VP135925,VP135926
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135927
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088077.D	23 Oct 2025 09:09	JC\MD	Ok
2	VSTDICC001	VN088078.D	23 Oct 2025 09:42	JC\MD	Ok,M
3	VSTDICC005	VN088079.D	23 Oct 2025 10:38	JC\MD	Ok,M
4	VSTDICC020	VN088080.D	23 Oct 2025 10:59	JC\MD	Ok,M
5	VSTDICCC050	VN088081.D	23 Oct 2025 11:20	JC\MD	Ok,M
6	VSTDICC100	VN088082.D	23 Oct 2025 11:41	JC\MD	Ok,M
7	VSTDICC150	VN088083.D	23 Oct 2025 12:02	JC\MD	Ok,M
8	IBLK	VN088084.D	23 Oct 2025 12:23	JC\MD	Ok
9	VSTDICV050	VN088085.D	23 Oct 2025 14:54	JC\MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102725

Review By	John Carlone	Review On	10/28/2025 8:12:39 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/28/2025 1:20:10 PM		
SubDirectory	VN102725	HP Acquire Method		HP Processing Method	82N102325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135937
Initial Calibration Stds	
CCC	VP135938,VP135939
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088101.D	27 Oct 2025 09:58	JC\MD	Ok
2	VSTDCCC050	VN088102.D	27 Oct 2025 10:40	JC\MD	Ok,M
3	VN1027MBL01	VN088103.D	27 Oct 2025 11:14	JC\MD	Ok
4	VN1027WBL01	VN088104.D	27 Oct 2025 11:34	JC\MD	Ok
5	VN1027WBS01	VN088105.D	27 Oct 2025 11:55	JC\MD	Ok,M
6	VN1027WBSD01	VN088106.D	27 Oct 2025 12:29	JC\MD	Ok,M
7	Q3454-01	VN088107.D	27 Oct 2025 12:50	JC\MD	Ok
8	Q3464-01	VN088108.D	27 Oct 2025 13:10	JC\MD	Ok
9	Q3464-02	VN088109.D	27 Oct 2025 13:31	JC\MD	Ok
10	PB170240TB	VN088110.D	27 Oct 2025 13:52	JC\MD	Ok
11	Q3449-06	VN088111.D	27 Oct 2025 14:13	JC\MD	Ok
12	Q3439-04	VN088112.D	27 Oct 2025 14:34	JC\MD	Ok,M
13	Q3439-08	VN088113.D	27 Oct 2025 14:54	JC\MD	Ok
14	Q3440-04	VN088114.D	27 Oct 2025 15:15	JC\MD	Ok,M
15	Q3451-04	VN088115.D	27 Oct 2025 15:36	JC\MD	Ok
16	Q3451-08	VN088116.D	27 Oct 2025 15:56	JC\MD	Ok
17	Q3452-04	VN088117.D	27 Oct 2025 16:17	JC\MD	Ok
18	Q3426-02	VN088118.D	27 Oct 2025 16:37	JC\MD	Ok
19	Q3426-03	VN088119.D	27 Oct 2025 16:58	JC\MD	Ok,M
20	Q3426-04	VN088120.D	27 Oct 2025 17:19	JC\MD	Ok
21	Q3426-01	VN088121.D	27 Oct 2025 17:39	JC\MD	Dilution

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102725

Review By	John Carlone	Review On	10/28/2025 8:12:39 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/28/2025 1:20:10 PM		
SubDirectory	VN102725	HP Acquire Method		HP Processing Method	82N102325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135937
Initial Calibration Stds	
CCC	VP135938,VP135939
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3468-01	VN088122.D	27 Oct 2025 18:00	JC\MD	ReRun
23	Q3468-03	VN088123.D	27 Oct 2025 18:21	JC\MD	Not Ok
24	Q3468-04	VN088124.D	27 Oct 2025 18:41	JC\MD	Ok
25	VSTDCCC050	VN088125.D	27 Oct 2025 19:22	JC\MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102825

Review By	John Carlone	Review On	10/29/2025 8:47:48 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2025 11:44:52 AM		
SubDirectory	VN102825	HP Acquire Method		HP Processing Method	82N102325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135951
Initial Calibration Stds	
CCC	VP135952,VP135953
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088126.D	28 Oct 2025 09:26	JC\MD	Ok
2	VSTDCCC050	VN088127.D	28 Oct 2025 10:23	JC\MD	Ok,M
3	VN1028MBL01	VN088128.D	28 Oct 2025 10:57	JC\MD	Ok
4	VN1028WBL01	VN088129.D	28 Oct 2025 11:17	JC\MD	Ok
5	VN1028WBS01	VN088130.D	28 Oct 2025 11:38	JC\MD	Not Ok
6	VN1028WBS02	VN088131.D	28 Oct 2025 12:14	JC\MD	Ok,M
7	Q3426-01DL	VN088132.D	28 Oct 2025 12:35	JC\MD	Ok
8	VN1028WBSD01	VN088133.D	28 Oct 2025 12:56	JC\MD	Not Ok
9	Q3468-01	VN088134.D	28 Oct 2025 13:17	JC\MD	ReRun
10	Q3468-03	VN088135.D	28 Oct 2025 13:38	JC\MD	Ok,M
11	Q3468-06	VN088136.D	28 Oct 2025 13:59	JC\MD	Dilution
12	Q3468-06DL	VN088137.D	28 Oct 2025 14:20	JC\MD	ReRun
13	Q3468-02	VN088138.D	28 Oct 2025 14:40	JC\MD	Dilution
14	Q3468-02DL	VN088139.D	28 Oct 2025 15:01	JC\MD	Not Ok
15	Q3468-02DL	VN088140.D	28 Oct 2025 15:22	JC\MD	ReRun
16	IBLK	VN088141.D	28 Oct 2025 15:43	JC\MD	Ok
17	VN1028WBSD02	VN088142.D	28 Oct 2025 16:03	JC\MD	Ok,M
18	Q3477-03	VN088143.D	28 Oct 2025 16:24	JC\MD	Ok
19	Q3468-05	VN088144.D	28 Oct 2025 16:45	JC\MD	ReRun
20	VSTDCCC050	VN088145.D	28 Oct 2025 17:06	JC\MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102325

Review By	John Carlone	Review On	10/24/2025 8:16:57 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/27/2025 2:53:14 PM		
SubDirectory	VN102325	HP Acquire Method		HP Processing Method	82N102325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135909
Initial Calibration Stds	VP135921,VP135922,VP135923,VP135924,VP135925,VP135926
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135927
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088077.D	23 Oct 2025 09:09		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN088078.D	23 Oct 2025 09:42	COM.#74 Peak not detected in 1PPB	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN088079.D	23 Oct 2025 10:38		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN088080.D	23 Oct 2025 10:59		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN088081.D	23 Oct 2025 11:20	Method failed for Comp. #74	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN088082.D	23 Oct 2025 11:41		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN088083.D	23 Oct 2025 12:02		JC\MD	Ok,M
8	IBLK	IBLK	VN088084.D	23 Oct 2025 12:23		JC\MD	Ok
9	VSTDICV050	ICVVN102325	VN088085.D	23 Oct 2025 14:54		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102725

Review By	John Carlone	Review On	10/28/2025 8:12:39 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/28/2025 1:20:10 PM		
SubDirectory	VN102725	HP Acquire Method		HP Processing Method	82N102325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135937
Initial Calibration Stds	
CCC	VP135938,VP135939
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088101.D	27 Oct 2025 09:58		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088102.D	27 Oct 2025 10:40	pH#Lot#V12668	JC\MD	Ok,M
3	VN1027MBL01	VN1027MBL01	VN088103.D	27 Oct 2025 11:14		JC\MD	Ok
4	VN1027WBL01	VN1027WBL01	VN088104.D	27 Oct 2025 11:34		JC\MD	Ok
5	VN1027WBS01	VN1027WBS01	VN088105.D	27 Oct 2025 11:55	BS Failed High For Com.#30,47	JC\MD	Ok,M
6	VN1027WBSD01	VN1027WBSD01	VN088106.D	27 Oct 2025 12:29	BSD Failed High For Comp.#47	JC\MD	Ok,M
7	Q3454-01	101625	VN088107.D	27 Oct 2025 12:50	vial A pH<2 foamy sample	JC\MD	Ok
8	Q3464-01	MW2	VN088108.D	27 Oct 2025 13:10	vial B pH<2	JC\MD	Ok
9	Q3464-02	MW3	VN088109.D	27 Oct 2025 13:31	vial B pH<2	JC\MD	Ok
10	PB170240TB	PB170240TB	VN088110.D	27 Oct 2025 13:52		JC\MD	Ok
11	Q3449-06	CF-620-COMP-41	VN088111.D	27 Oct 2025 14:13	vial A pH#5.0	JC\MD	Ok
12	Q3439-04	TP-9	VN088112.D	27 Oct 2025 14:34	vial A pH#5.0	JC\MD	Ok,M
13	Q3439-08	TP-10	VN088113.D	27 Oct 2025 14:54	vial A pH#5.0	JC\MD	Ok
14	Q3440-04	JB-2	VN088114.D	27 Oct 2025 15:15	vial A pH#5.0	JC\MD	Ok,M
15	Q3451-04	TP-11	VN088115.D	27 Oct 2025 15:36	vial A pH#5.0	JC\MD	Ok
16	Q3451-08	TP-12	VN088116.D	27 Oct 2025 15:56	vial A pH#5.0	JC\MD	Ok
17	Q3452-04	JB-1	VN088117.D	27 Oct 2025 16:17	vial A pH#5.0	JC\MD	Ok
18	Q3426-02	TWP3	VN088118.D	27 Oct 2025 16:37	vial A pH<2	JC\MD	Ok

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Daily Analysis Runlog For Sequence/QCBatch ID # VN102725

Review By	John Carlone	Review On	10/28/2025 8:12:39 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/28/2025 1:20:10 PM		
SubDirectory	VN102725	HP Acquire Method		HP Processing Method	82N102325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135937
Initial Calibration Stds	
CCC	VP135938,VP135939
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3426-03	TWP5	VN088119.D	27 Oct 2025 16:58	vial A pH<2	JC\MD	Ok,M
20	Q3426-04	MW2	VN088120.D	27 Oct 2025 17:19	vial A pH<2	JC\MD	Ok
21	Q3426-01	TWP2	VN088121.D	27 Oct 2025 17:39	vial A pH<2 Surrogate Fail;Need 5X Dilution	JC\MD	Dilution
22	Q3468-01	MW-06	VN088122.D	27 Oct 2025 18:00	vial A pH<2 E flag of previous sample	JC\MD	ReRun
23	Q3468-03	MW-10	VN088123.D	27 Oct 2025 18:21	vial A pH<2 Confirm Concentration	JC\MD	Not Ok
24	Q3468-04	MW-11	VN088124.D	27 Oct 2025 18:41	vial A pH<2	JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN088125.D	27 Oct 2025 19:22		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102825

Review By	John Carlone	Review On	10/29/2025 8:47:48 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2025 11:44:52 AM		
SubDirectory	VN102825	HP Acquire Method		HP Processing Method	82N102325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135951
Initial Calibration Stds	
CCC	VP135952,VP135953
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088126.D	28 Oct 2025 09:26		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088127.D	28 Oct 2025 10:23	pH#Lot#V12668	JC\MD	Ok,M
3	VN1028MBL01	VN1028MBL01	VN088128.D	28 Oct 2025 10:57		JC\MD	Ok
4	VN1028WBL01	VN1028WBL01	VN088129.D	28 Oct 2025 11:17		JC\MD	Ok
5	VN1028WBS01	VN1028WBS01	VN088130.D	28 Oct 2025 11:38	Recovery fail	JC\MD	Not Ok
6	VN1028WBS02	VN1028WBS02	VN088131.D	28 Oct 2025 12:14	BS Failed High For Com.#67,69	JC\MD	Ok,M
7	Q3426-01DL	TWP2DL	VN088132.D	28 Oct 2025 12:35	vial B pH<2	JC\MD	Ok
8	VN1028WBSD01	VN1028WBSD01	VN088133.D	28 Oct 2025 12:56	Recovery fail	JC\MD	Not Ok
9	Q3468-01	MW-06	VN088134.D	28 Oct 2025 13:17	vial B pH<2 BS Failed High	JC\MD	ReRun
10	Q3468-03	MW-10	VN088135.D	28 Oct 2025 13:38	vial B pH<2	JC\MD	Ok,M
11	Q3468-06	MW-12	VN088136.D	28 Oct 2025 13:59	Need 10X; BS Failed High	JC\MD	Dilution
12	Q3468-06DL	MW-12DL	VN088137.D	28 Oct 2025 14:20	vial B pH<2 BS Failed High	JC\MD	ReRun
13	Q3468-02	MW-08	VN088138.D	28 Oct 2025 14:40	vial A pH<2 Need 5X; BS Failed High	JC\MD	Dilution
14	Q3468-02DL	MW-08DL	VN088139.D	28 Oct 2025 15:01	Run @ Lower Dilution	JC\MD	Not Ok
15	Q3468-02DL	MW-08DL	VN088140.D	28 Oct 2025 15:22	vial B pH<2 BS Failed High	JC\MD	ReRun
16	IBLK	IBLK	VN088141.D	28 Oct 2025 15:43		JC\MD	Ok
17	VN1028WBSD02	VN1028WBSD02	VN088142.D	28 Oct 2025 16:03		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102825

Review By	John Carlone	Review On	10/29/2025 8:47:48 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2025 11:44:52 AM		
SubDirectory	VN102825	HP Acquire Method		HP Processing Method	82N102325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135951
Initial Calibration Stds	
CCC	VP135952,VP135953
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3477-03	SOUTH-MAHWAH-WA	VN088143.D	28 Oct 2025 16:24	vial A pH<2	JC\MD	Ok
19	Q3468-05	MW-13	VN088144.D	28 Oct 2025 16:45	vial A pH<2 BS Failed High	JC\MD	ReRun
20	VSTDCCC050	VSTDCCC050EC	VN088145.D	28 Oct 2025 17:06		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. 23426
COC Number 2044554

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Willow
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G Environmental PO#:
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) ~5 DAY DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other Excel, pdf
☒ EDD FORMAT NJ dep SRP

ANALYSIS

1: TCL VOC + 15 TICs
2: 1,4 Trimethylbenzene

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
									HCl								← Specify Preservatives: A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	TWP2	GW		X	1231	10/21/25	2		X								
2.	TWP3	GW		X	1320	"	2		X								
3.	TWP5	GW		X	1215	"	2		X								
4.	MW2	GW		X	1100	"	2		X								
5.						10/21/25											
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/22/25 1135	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

QA Control Code: A2070148

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3426 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 10/22/2025 11:46:00 AM
Project Name : Willow
Receive DateTime : 10/22/2025 11:35:00 AM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3426-01	TWP2	Water	10/21/2025	12:31					
					VOCMS Group1		8260-Low		5 Bus. Days
Q3426-02	TWP3	Water	10/21/2025	13:20					
					VOCMS Group1		8260-Low		5 Bus. Days
Q3426-03	TWP5	Water	10/21/2025	12:15					
					VOCMS Group1		8260-Low		5 Bus. Days
Q3426-04	MW2	Water	10/21/2025	11:00					
					VOCMS Group1		8260-Low		5 Bus. Days

Relinguished By :
Date / Time : 10/22/25 1245

Received By :
Date / Time : 10/22/25 1245

Storage Area : **VOA Refridgerator Room**