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:	Q3534	**OrderDate:**	11/4/2025 1:29:44 PM
Client:	Remington & Vernick Engineers	**Project:**	Edison Landfill
Contact:	Kyle Carlson	**Location:**	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3534-01	**MW-6**	**Water**			**11/03/25**			**11/04/25**
			VOC-TCLVOA-10	8260-Low			11/04/25	
Q3534-02	**MW-1**	**Water**			**11/03/25**			**11/04/25**
			VOC-TCLVOA-10	8260-Low			11/04/25	
Q3534-03	**MW-11**	**Water**			**11/03/25**			**11/04/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3534-04	**MW-5**	**Water**			**11/04/25**			**11/04/25**
			VOC-TCLVOA-10	8260-Low			11/04/25	
Q3534-05	**MW-EB-1**	**Water**			**11/03/25**			**11/04/25**
			VOC-TCLVOA-10	8260-Low			11/04/25	
Q3534-06	**MW-EB-2**	**Water**			**11/04/25**			**11/04/25**
			VOC-TCLVOA-10	8260-Low			11/04/25	
Q3534-07	**MW-EB-3**	**Water**			**11/03/25**			**11/04/25**
			VOC-TCLVOA-10	8260-Low			11/04/25	
Q3534-09	**FB-1**	**Water**			**11/04/25**			**11/04/25**
			VOC-TCLVOA-10	8260-Low			11/04/25	
Q3534-10	**EB-1**	**Water**			**11/04/25**			**11/04/25**
			VOC-TCLVOA-10	8260-Low			11/04/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-6**								
Q3534-01	MW-6	Water	Dichlorodifluoromethane		1.20		0.22	1.00	ug/L
Q3534-01	MW-6	Water	Acetone		3.00	J	1.50	5.00	ug/L
Q3534-01	MW-6	Water	Methyl tert-butyl Ether		0.32	J	0.16	1.00	ug/L
Q3534-01	MW-6	Water	Benzene		6.90		0.15	1.00	ug/L
Q3534-01	MW-6	Water	Toluene		0.28	J	0.14	1.00	ug/L
Q3534-01	MW-6	Water	Chlorobenzene		54.7		0.12	1.00	ug/L
Q3534-01	MW-6	Water	m/p-Xylenes		0.35	J	0.24	2.00	ug/L
Q3534-01	MW-6	Water	o-Xylene		0.68	J	0.12	1.00	ug/L
Q3534-01	MW-6	Water	Isopropylbenzene		2.00		0.12	1.00	ug/L
Q3534-01	MW-6	Water	1,4-Dichlorobenzene		4.10		0.19	1.00	ug/L
Q3534-01	MW-6	Water	1,2-Dichlorobenzene		2.80		0.16	1.00	ug/L
			Total Voc :		76.3				
Q3534-01	MW-6	Water	Tetrahydrofuran	*	35.8	J	0.99	5.00	ug/L
Q3534-01	MW-6	Water	Tert butyl alcohol	*	24.6	J	5.50	25.0	ug/L
Q3534-01	MW-6	Water	Diethyl Ether	*	33.6	J	0.31	1.00	ug/L
Q3534-01	MW-6	Water	n-propylbenzene	*	0.26	J	0.13	1.00	ug/L
Q3534-01	MW-6	Water	2-Chlorotoluene	*	0.39	J	0.14	1.00	ug/L
Q3534-01	MW-6	Water	1,2,4-Trimethylbenzene	*	0.21	J	0.14	1.00	ug/L
Q3534-01	MW-6	Water	Diisopropyl ether	*	46.8	J	0.15	1.00	ug/L
			Total Tics :		142				
			Total Concentration:		218				
Client ID:	**MW-1**								
Q3534-02	MW-1	Water	Carbon Disulfide		0.74	J	0.21	1.00	ug/L
Q3534-02	MW-1	Water	trans-1,2-Dichloroethene		0.38	J	0.23	1.00	ug/L
Q3534-02	MW-1	Water	cis-1,2-Dichloroethene		1.80		0.19	1.00	ug/L
			Total Voc :		2.92				
Q3534-02	MW-1	Water	Tert butyl alcohol	*	110	J	5.50	25.0	ug/L
Q3534-02	MW-1	Water	Diethyl Ether	*	35.6	J	0.31	1.00	ug/L
Q3534-02	MW-1	Water	Diisopropyl ether	*	3.70	J	0.15	1.00	ug/L
			Total Tics :		149				
			Total Concentration:		152				
Client ID:	**MW-5**								
Q3534-04	MW-5	Water	Chlorobenzene		0.31	J	0.12	1.00	ug/L
			Total Voc :		0.31				
Q3534-04	MW-5	Water	Tetrahydrofuran	*	2.80	J	0.99	5.00	ug/L
Q3534-04	MW-5	Water	Diethyl Ether	*	1.50	J	0.31	1.00	ug/L
			Total Tics :		4.30				

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Hit Summary Sheet
SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		4.61				
Client ID:	**MW-EB-1**								
Q3534-05	MW-EB-1	Water	Benzene		4.80		0.15	1.00	ug/L
Q3534-05	MW-EB-1	Water	Chlorobenzene		32.8		0.12	1.00	ug/L
Q3534-05	MW-EB-1	Water	m/p-Xylenes		0.28	J	0.24	2.00	ug/L
Q3534-05	MW-EB-1	Water	o-Xylene		0.91	J	0.12	1.00	ug/L
Q3534-05	MW-EB-1	Water	Isopropylbenzene		48.5		0.12	1.00	ug/L
Q3534-05	MW-EB-1	Water	1,4-Dichlorobenzene		3.80		0.19	1.00	ug/L
Q3534-05	MW-EB-1	Water	1,2-Dichlorobenzene		0.46	J	0.16	1.00	ug/L
			Total Voc :		91.5				
Q3534-05	MW-EB-1	Water	Benzene, 1,2,3,4-tetramethyl-	*	10.0	J	0	0	ug/L
Q3534-05	MW-EB-1	Water	Indane	*	80.0	J	0	0	ug/L
Q3534-05	MW-EB-1	Water	Indan, 1-methyl-	*	10.4	J	0	0	ug/L
Q3534-05	MW-EB-1	Water	Benzene, 4-ethyl-1,2-dimethyl-	*	10.8	J	0	0	ug/L
Q3534-05	MW-EB-1	Water	Sulfur dioxide	*	12.4	J	0	0	ug/L
Q3534-05	MW-EB-1	Water	Tetrahydrofuran	*	24.6	J	0.99	5.00	ug/L
Q3534-05	MW-EB-1	Water	Tert butyl alcohol	*	8.70	J	5.50	25.0	ug/L
Q3534-05	MW-EB-1	Water	Diethyl Ether	*	46.7	J	0.31	1.00	ug/L
Q3534-05	MW-EB-1	Water	n-propylbenzene	*	49.3	J	0.13	1.00	ug/L
Q3534-05	MW-EB-1	Water	2-Chlorotoluene	*	3.90	J	0.14	1.00	ug/L
Q3534-05	MW-EB-1	Water	4-Chlorotoluene	*	0.63	J	0.13	1.00	ug/L
Q3534-05	MW-EB-1	Water	tert-Butylbenzene	*	0.27	J	0.14	1.00	ug/L
Q3534-05	MW-EB-1	Water	sec-Butylbenzene	*	1.80	J	0.13	1.00	ug/L
Q3534-05	MW-EB-1	Water	n-Butylbenzene	*	1.90	J	0.15	1.00	ug/L
Q3534-05	MW-EB-1	Water	Diisopropyl ether	*	11.3	J	0.15	1.00	ug/L
			Total Tics :		273				
			Total Concentration:		364				
Client ID:	**MW-EB-2**								
Q3534-06	MW-EB-2	Water	Chlorobenzene		2.50		0.12	1.00	ug/L
Q3534-06	MW-EB-2	Water	1,4-Dichlorobenzene		1.60		0.19	1.00	ug/L
			Total Voc :		4.10				
Q3534-06	MW-EB-2	Water	Tetrahydrofuran	*	4.50	J	0.99	5.00	ug/L
Q3534-06	MW-EB-2	Water	Diethyl Ether	*	5.20	J	0.31	1.00	ug/L
Q3534-06	MW-EB-2	Water	Diisopropyl ether	*	2.80	J	0.15	1.00	ug/L
			Total Tics :		12.5				
			Total Concentration:		16.6				
Client ID:	**MW-EB-3**								
Q3534-07	MW-EB-3	Water	Chlorobenzene		5.90		0.12	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3534-07	MW-EB-3	Water	1,4-Dichlorobenzene		1.00		0.19	1.00	ug/L
			Total Voc :		6.90				
Q3534-07	MW-EB-3	Water	Tetrahydrofuran	*	2.00	J	0.99	5.00	ug/L
Q3534-07	MW-EB-3	Water	Diethyl Ether	*	1.10	J	0.31	1.00	ug/L
			Total Tics :		3.10				
			Total Concentration:		10.0				
Client ID:	**FB-1**								
Q3534-09	FB-1	Water	Chloroform		0.76	J	0.25	1.00	ug/L
Q3534-09	FB-1	Water	Chlorobenzene		0.59	J	0.12	1.00	ug/L
			Total Voc :		1.35				
			Total Concentration:		1.35				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3534

Client: Remington & Vernick Engineers

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3534-01	MW-6	1,2-Dichloroethane-d4	50	53.2	106		70 (74)	130 (125)
		Dibromofluoromethane	50	47.0	94		70 (75)	130 (124)
		Toluene-d8	50	45.0	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.2	96		70 (77)	130 (121)
Q3534-02	MW-1	1,2-Dichloroethane-d4	50	58.0	116		70 (74)	130 (125)
		Dibromofluoromethane	50	47.4	95		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.5	91		70 (77)	130 (121)
Q3534-03	MW-11	1,2-Dichloroethane-d4	50	54.8	110		70 (74)	130 (125)
		Dibromofluoromethane	50	47.0	94		70 (75)	130 (124)
		Toluene-d8	50	44.5	89		70 (86)	130 (113)
		4-Bromofluorobenzene	50	41.7	83		70 (77)	130 (121)
Q3534-04	MW-5	1,2-Dichloroethane-d4	50	57.4	115		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	46.2	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.2	92		70 (77)	130 (121)
Q3534-05	MW-EB-1	1,2-Dichloroethane-d4	50	53.1	106		70 (74)	130 (125)
		Dibromofluoromethane	50	48.6	97		70 (75)	130 (124)
		Toluene-d8	50	50.9	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.3	107		70 (77)	130 (121)
Q3534-06	MW-EB-2	1,2-Dichloroethane-d4	50	59.8	120		70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103		70 (75)	130 (124)
		Toluene-d8	50	46.9	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.6	91		70 (77)	130 (121)
Q3534-07	MW-EB-3	1,2-Dichloroethane-d4	50	54.4	109		70 (74)	130 (125)
		Dibromofluoromethane	50	47.9	96		70 (75)	130 (124)
		Toluene-d8	50	45.6	91		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.4	87		70 (77)	130 (121)
Q3534-09	FB-1	1,2-Dichloroethane-d4	50	61.4	123		70 (74)	130 (125)
		Dibromofluoromethane	50	53.1	106		70 (75)	130 (124)
		Toluene-d8	50	48.9	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.6	95		70 (77)	130 (121)
Q3534-10	EB-1	1,2-Dichloroethane-d4	50	58.4	117		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.4	89		70 (77)	130 (121)
VV1104WBL01	VV1104WBL01	1,2-Dichloroethane-d4	50	58.0	116		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	48.6	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104		70 (77)	130 (121)
VV1104WBS01	VV1104WBS01	1,2-Dichloroethane-d4	50	49.1	98		70 (74)	130 (125)
		Dibromofluoromethane	50	50.1	100		70 (75)	130 (124)
		Toluene-d8	50	52.5	105		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.7	107		70 (77)	130 (121)
VV1104WBSD0	VV1104WBSD01	1,2-Dichloroethane-d4	50	50.3	100		70 (74)	130 (125)
		Dibromofluoromethane	50	50.2	100		70 (75)	130 (124)
		Toluene-d8	50	52.5	105		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.5	107		70 (77)	130 (121)
VV1105WBL01	VV1105WBL01	1,2-Dichloroethane-d4	50	60.7	121		70 (74)	130 (125)
		Dibromofluoromethane	50	51.2	102		70 (75)	130 (124)

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Surrogate Summary

SDG No.: Q3534

Client: Remington & Vernick Engineers

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VV1105WBL01	VV1105WBL01	Toluene-d8	50	48.0	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.4	87		70 (77)	130 (121)
VV1105WBS01	VV1105WBS01	1,2-Dichloroethane-d4	50	51.1	102		70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104		70 (75)	130 (124)
		Toluene-d8	50	54.2	108		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.0	110		70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039309.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV1104WBS01	Dichlorodifluoromethane	20	16.2	ug/L	81			40 (69)	160 (116)	
	Chloromethane	20	17.6	ug/L	88			40 (65)	160 (116)	
	Vinyl chloride	20	16.8	ug/L	84			70 (65)	130 (117)	
	Bromomethane	20	18.8	ug/L	94			40 (58)	160 (125)	
	Chloroethane	20	19.0	ug/L	95			40 (56)	160 (128)	
	Trichlorofluoromethane	20	17.4	ug/L	87			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70 (80)	130 (112)	
	1,1-Dichloroethene	20	16.8	ug/L	84			70 (74)	130 (110)	
	Acetone	100	78.3	ug/L	78			40 (60)	160 (125)	
	Carbon disulfide	20	17.3	ug/L	86			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.5	ug/L	88			70 (78)	130 (114)	
	Methyl Acetate	20	14.2	ug/L	71			70 (67)	130 (125)	
	Methylene Chloride	20	19.1	ug/L	96			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.4	ug/L	87			70 (78)	130 (112)	
	Cyclohexane	20	18.3	ug/L	92			70 (75)	130 (110)	
	2-Butanone	100	76.2	ug/L	76			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.3	ug/L	92			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.1	ug/L	91			70 (77)	130 (110)	
	Bromochloromethane	20	17.4	ug/L	87			70 (70)	130 (124)	
	Chloroform	20	17.5	ug/L	88			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			70 (80)	130 (108)	
	Methylcyclohexane	20	17.7	ug/L	89			70 (72)	130 (115)	
	Benzene	20	18.8	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.0	ug/L	90			70 (80)	130 (115)	
	Trichloroethene	20	18.6	ug/L	93			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.5	ug/L	98			70 (83)	130 (111)	
	Bromodichloromethane	20	18.3	ug/L	92			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	86.1	ug/L	86			40 (74)	160 (118)	
	Toluene	20	19.7	ug/L	99			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	18.0	ug/L	90			70 (83)	130 (112)	
	2-Hexanone	100	83.8	ug/L	84			40 (73)	160 (117)	
	Dibromochloromethane	20	18.3	ug/L	92			70 (82)	130 (110)	
	1,2-Dibromoethane	20	18.5	ug/L	93			70 (81)	130 (110)	
	Tetrachloroethene	20	18.6	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	18.3	ug/L	92			70 (82)	130 (109)	
	Ethyl Benzene	20	18.7	ug/L	94			70 (83)	130 (109)	
	m/p-Xylenes	40	39.6	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	18.7	ug/L	94			70 (83)	130 (109)	
	Styrene	20	19.8	ug/L	99			70 (80)	130 (111)	
	Bromoform	20	17.9	ug/L	90			70 (79)	130 (109)	
	Isopropylbenzene	20	19.2	ug/L	96			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	16.2	ug/L	81			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.7	ug/L	94			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.9	ug/L	90			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039309.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV1104WBS01	1,2-Dibromo-3-Chloropropane	20	14.9	ug/L	75			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.9	ug/L	90			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039310.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VV1104WBSD01	Dichlorodifluoromethane	20	15.9	ug/L	79	3		40 (69)	160 (116)	20 (19)
	Chloromethane	20	17.6	ug/L	88	0		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	16.7	ug/L	84	0		70 (65)	130 (117)	20 (19)
	Bromomethane	20	19.0	ug/L	95	1		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.6	ug/L	93	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	17.3	ug/L	86	1		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	2		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	16.5	ug/L	83	1		70 (74)	130 (110)	20 (20)
	Acetone	100	89.0	ug/L	89	13		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.0	ug/L	85	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	18.3	ug/L	92	4		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	15.7	ug/L	79	11		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.5	ug/L	98	2		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	17.0	ug/L	85	2		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	17.3	ug/L	86	1		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.1	ug/L	91	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	85.1	ug/L	85	11		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	18.5	ug/L	93	1		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.0	ug/L	95	4		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	17.6	ug/L	88	1		70 (70)	130 (124)	20 (20)
	Chloroform	20	17.7	ug/L	89	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	17.9	ug/L	90	1		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.9	ug/L	90	1		70 (72)	130 (115)	20 (20)
	Benzene	20	18.8	ug/L	94	0		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.2	ug/L	91	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.0	ug/L	95	2		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	18.5	ug/L	93	5		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	18.5	ug/L	93	1		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	93.4	ug/L	93	8		40 (74)	160 (118)	20 (25)
	Toluene	20	20.0	ug/L	100	1		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	19.3	ug/L	97	3		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	1		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	18.8	ug/L	94	4		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	91.1	ug/L	91	8		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	18.7	ug/L	94	2		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	18.9	ug/L	95	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.0	ug/L	95	2		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.7	ug/L	94	2		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	19.0	ug/L	95	1		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	40.2	ug/L	101	2		70 (82)	130 (110)	20 (15)
	o-Xylene	20	19.3	ug/L	97	3		70 (83)	130 (109)	20 (20)
	Styrene	20	20.2	ug/L	101	2		70 (80)	130 (111)	20 (17)
	Bromoform	20	18.8	ug/L	94	4		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.3	ug/L	97	1		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	16.6	ug/L	83	2		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.1	ug/L	96	2		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	18.0	ug/L	90	0		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	18.1	ug/L	91	0		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039310.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VV1104WBSD01	1,2-Dibromo-3-Chloropropane	20	15.9	ug/L	79	5		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.1	ug/L	91	1		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	18.0	ug/L	90	5		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039331.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV1105WBS01	Dichlorodifluoromethane	20	17.0	ug/L	85			40 (69)	160 (116)	
	Chloromethane	20	17.7	ug/L	89			40 (65)	160 (116)	
	Vinyl chloride	20	18.1	ug/L	91			70 (65)	130 (117)	
	Bromomethane	20	17.4	ug/L	87			40 (58)	160 (125)	
	Chloroethane	20	20.9	ug/L	104			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.8	ug/L	94			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.3	ug/L	92			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	18.3	ug/L	92			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			70 (78)	130 (114)	
	Methyl Acetate	20	16.4	ug/L	82			70 (67)	130 (125)	
	Methylene Chloride	20	21.0	ug/L	105			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.6	ug/L	93			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.7	ug/L	94			70 (78)	130 (112)	
	Cyclohexane	20	19.9	ug/L	100			70 (75)	130 (110)	
	2-Butanone	100	94.7	ug/L	95			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.6	ug/L	98			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	19.4	ug/L	97			70 (70)	130 (124)	
	Chloroform	20	19.2	ug/L	96			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			70 (80)	130 (108)	
	Methylcyclohexane	20	19.7	ug/L	99			70 (72)	130 (115)	
	Benzene	20	20.4	ug/L	102			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.1	ug/L	96			70 (80)	130 (115)	
	Trichloroethene	20	19.9	ug/L	100			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.7	ug/L	104			70 (83)	130 (111)	
	Bromodichloromethane	20	19.8	ug/L	99			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	21.5	ug/L	108			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.2	ug/L	101			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.7	ug/L	104			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	20.0	ug/L	100			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.1	ug/L	101			70 (81)	130 (110)	
	Tetrachloroethene	20	20.1	ug/L	101			70 (67)	130 (123)	
	Chlorobenzene	20	20.0	ug/L	100			70 (82)	130 (109)	
	Ethyl Benzene	20	20.4	ug/L	102			70 (83)	130 (109)	
	m/p-Xylenes	40	43.4	ug/L	109			70 (82)	130 (110)	
	o-Xylene	20	20.8	ug/L	104			70 (83)	130 (109)	
	Styrene	20	21.9	ug/L	110			70 (80)	130 (111)	
	Bromoform	20	19.7	ug/L	99			70 (79)	130 (109)	
	Isopropylbenzene	20	21.1	ug/L	106			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.9	ug/L	90			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.2	ug/L	96			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3534 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039331.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VV1105WBS01	1,2-Dibromo-3-Chloropropane	20	17.1	ug/L	86			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.5	ug/L	98			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.5	ug/L	98			70 (76)	130 (114)	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VV1104WBL01

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3534

Lab File ID: VV039308.D | Lab Sample ID: VV1104WBL01

Date Analyzed: 11/04/2025 | Time Analyzed: 12:21

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VV1104WBS01	VV1104WBS01	VV039309.D	11/04/2025
VV1104WBSD01	VV1104WBSD01	VV039310.D	11/04/2025
FB-1	Q3534-09	VV039316.D	11/04/2025
EB-1	Q3534-10	VV039317.D	11/04/2025
MW-EB-1	Q3534-05	VV039318.D	11/04/2025
MW-EB-2	Q3534-06	VV039319.D	11/04/2025
MW-EB-3	Q3534-07	VV039320.D	11/04/2025
MW-6	Q3534-01	VV039321.D	11/04/2025
MW-1	Q3534-02	VV039322.D	11/04/2025
MW-5	Q3534-04	VV039324.D	11/04/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VV1105WBL01

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3534

Lab File ID: VV039330.D | Lab Sample ID: VV1105WBL01

Date Analyzed: 11/05/2025 | Time Analyzed: 12:29

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VV1105WBS01	VV1105WBS01	VV039331.D	11/05/2025
MW-11	Q3534-03	VV039333.D	11/05/2025

COMMENTS:

Raw Data: **VV039281.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG NO.: Q3534
Lab File ID: VV039281.D
BFB Injection Date: 10/07/2025
Instrument ID: MSVOA_V
BFB Injection Time: 08:25
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.6 (2) 1
174	50.0 - 100.0% of mass 95	78.1
175	5.0 - 9.0% of mass 174	5.9 (7.5) 1
176	95.0 - 101.0% of mass 174	74.2 (95.1) 1
177	5.0 - 9.0% of mass 176	5 (6.7) 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	VV039282.D	10/07/2025	09:40
VSTDICC005	VSTDICC005	VV039283.D	10/07/2025	10:03
VSTDICC010	VSTDICC010	VV039284.D	10/07/2025	10:25
VSTDICC020	VSTDICC020	VV039285.D	10/07/2025	10:47
VSTDICCC050	VSTDICCC050	VV039286.D	10/07/2025	11:10
VSTDICC100	VSTDICC100	VV039287.D	10/07/2025	11:32

Raw Data: **VV039305.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG NO.: Q3534
Lab File ID: VV039305.D
BFB Injection Date: 11/04/2025
Instrument ID: MSVOA_V
BFB Injection Time: 10:24
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.5 (7.3) 1
176	95.0 - 101.0% of mass 174	74 (97.2) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 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	VV039306.D	11/04/2025	11:21
VV1104WBL01	VV1104WBL01	VV039308.D	11/04/2025	12:21
VV1104WBS01	VV1104WBS01	VV039309.D	11/04/2025	12:49
VV1104WBSD01	VV1104WBSD01	VV039310.D	11/04/2025	13:12
FB-1	Q3534-09	VV039316.D	11/04/2025	15:54
EB-1	Q3534-10	VV039317.D	11/04/2025	16:17
MW-EB-1	Q3534-05	VV039318.D	11/04/2025	16:39
MW-EB-2	Q3534-06	VV039319.D	11/04/2025	17:02
MW-EB-3	Q3534-07	VV039320.D	11/04/2025	17:24
MW-6	Q3534-01	VV039321.D	11/04/2025	17:47
MW-1	Q3534-02	VV039322.D	11/04/2025	18:09
MW-5	Q3534-04	VV039324.D	11/04/2025	18:54

Raw Data: **VV039327.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3534

Lab File ID: VV039327.D | BFB Injection Date: 11/05/2025

Instrument ID: MSVOA_V | BFB Injection Time: 10:37

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	48.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.5 (2) 1
174	50.0 - 100.0% of mass 95	76.8
175	5.0 - 9.0% of mass 174	5.5 (7.1) 1
176	95.0 - 101.0% of mass 174	75.7 (98.7) 1
177	5.0 - 9.0% of mass 176	5.5 (7.3) 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	VV039328.D	11/05/2025	11:34
VV1105WBL01	VV1105WBL01	VV039330.D	11/05/2025	12:29
VV1105WBS01	VV1105WBS01	VV039331.D	11/05/2025	12:55
MW-11	Q3534-03	VV039333.D	11/05/2025	13:54

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3534

Lab File ID: VV039306.D Date Analyzed: 11/04/2025

Instrument ID: MSVOA_V Time Analyzed: 11:21

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	637264	4.60	1024760	5.53	1022020	8.77
UPPER LIMIT	1274530	5.1	2049510	6.032	2044030	9.273
LOWER LIMIT	318632	4.1	512378	5.032	511008	8.273
EPA SAMPLE NO.						
MW-6	952955	4.60	1749359	5.53	1614553	8.77
MW-1	916194	4.60	1787762	5.53	1600815	8.77
MW-5	875532	4.60	1648833	5.53	1570855	8.77
MW-EB-1	968590	4.60	1722471	5.53	1684073	8.77
MW-EB-2	616619	4.60	1121740	5.53	1092486	8.77
MW-EB-3	890347	4.60	1641332	5.53	1514755	8.77
FB-1	711203	4.60	1312588	5.53	1267623	8.77
EB-1	597120	4.60	1091584	5.53	1047699	8.77
VV1104WBL01	1064589	4.60	1972523	5.53	1793346	8.77
VV1104WBS01	733220	4.60	1149929	5.53	1129519	8.77
VV1104WBSD01	706395	4.60	1110419	5.53	1079972	8.77

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: REMI02

Lab Code: ACE SDG NO.: Q3534

Lab File ID: VV039306.D Date Analyzed: 11/04/2025

Instrument ID: MSVOA_V Time Analyzed: 11:21

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	572200	11.172				
UPPER LIMIT	1144400	11.672				
LOWER LIMIT	286100	10.672				
EPA SAMPLE NO.						
MW-6	779349	11.17				
MW-1	725582	11.17				
MW-5	731965	11.17				
MW-EB-1	851194	11.17				
MW-EB-2	497981	11.17				
MW-EB-3	687973	11.17				
FB-1	578801	11.17				
EB-1	472586	11.17				
VV1104WBL01	828938	11.17				
VV1104WBS01	636116	11.17				
VV1104WBSD01	618050	11.17				

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: REMI02

Lab Code: ACE SDG NO.: Q3534

Lab File ID: VV039328.D Date Analyzed: 11/05/2025

Instrument ID: MSVOA_V Time Analyzed: 11:34

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	644517	4.60	1006970	5.53	993503	8.77
UPPER LIMIT	1289030	5.096	2013950	6.029	1987010	9.273
LOWER LIMIT	322259	4.096	503487	5.029	496752	8.273
EPA SAMPLE NO.						
MW-11	938043	4.59	1744872	5.53	1594094	8.77
VV1105WBL01	856812	4.60	1628447	5.53	1466262	8.77
VV1105WBS01	708659	4.60	1110235	5.53	1080434	8.77

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: REMI02

Lab Code: ACE SDG NO.: Q3534

Lab File ID: VV039328.D Date Analyzed: 11/05/2025

Instrument ID: MSVOA_V Time Analyzed: 11:34

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	575078	11.172				
UPPER LIMIT	1150160	11.672				
LOWER LIMIT	287539	10.672				
EPA SAMPLE NO.						
MW-11	693574	11.17				
VV1105WBL01	623984	11.17				
VV1105WBS01	614058	11.17				

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: **VV039321.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-6	SDG No.:	Q3534
Lab Sample ID:	Q3534-01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.20		1	0.22	1.00	ug/L	11/04/25 17:47	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 17:47	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:47	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 17:47	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 17:47	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 17:47	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:47	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:47	VV110425
67-64-1	Acetone	3.00	J	1	1.50	5.00	ug/L	11/04/25 17:47	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:47	VV110425
1634-04-4	Methyl tert-butyl Ether	0.32	J	1	0.16	1.00	ug/L	11/04/25 17:47	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 17:47	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 17:47	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:47	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:47	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 17:47	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 17:47	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:47	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:47	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:47	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:47	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:47	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:47	VV110425
71-43-2	Benzene	6.90		1	0.15	1.00	ug/L	11/04/25 17:47	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:47	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 17:47	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:47	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:47	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 17:47	VV110425
108-88-3	Toluene	0.28	J	1	0.14	1.00	ug/L	11/04/25 17:47	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 17:47	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:47	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:47	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 17:47	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 17:47	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:47	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:47	VV110425
108-90-7	Chlorobenzene	54.7		1	0.12	1.00	ug/L	11/04/25 17:47	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 17:47	VV110425
179601-23-1	m/p-Xylenes	0.35	J	1	0.24	2.00	ug/L	11/04/25 17:47	VV110425
95-47-6	o-Xylene	0.68	J	1	0.12	1.00	ug/L	11/04/25 17:47	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:47	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:47	VV110425

Raw Data: **VV039321.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-6	SDG No.:	Q3534
Lab Sample ID:	Q3534-01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.00		1	0.12	1.00	ug/L	11/04/25 17:47	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:47	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:47	VV110425
106-46-7	1,4-Dichlorobenzene	4.10		1	0.19	1.00	ug/L	11/04/25 17:47	VV110425
95-50-1	1,2-Dichlorobenzene	2.80		1	0.16	1.00	ug/L	11/04/25 17:47	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 17:47	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:47	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:47	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.2			70 (74) - 130 (125)	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.0			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	45.0			70 (86) - 130 (113)	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.2			70 (77) - 130 (121)	96%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	953000							
540-36-3	1,4-Difluorobenzene	1750000							
3114-55-4	Chlorobenzene-d5	1610000							
3855-82-1	1,4-Dichlorobenzene-d4	779000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	33.6	J			1.92	ug/L		
75-65-0	Tert butyl alcohol	24.6	J			2.57	ug/L		
108-20-3	Diisopropyl ether	46.8	J			3.21	ug/L		
109-99-9	Tetrahydrofuran	35.8	J			4.24	ug/L		
103-65-1	n-propylbenzene	0.26	J			10.3	ug/L		
95-49-8	2-Chlorotoluene	0.39	J			10.4	ug/L		
95-63-6	1,2,4-Trimethylbenzene	0.21	J			10.8	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_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Quant Time: Nov 05 00:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

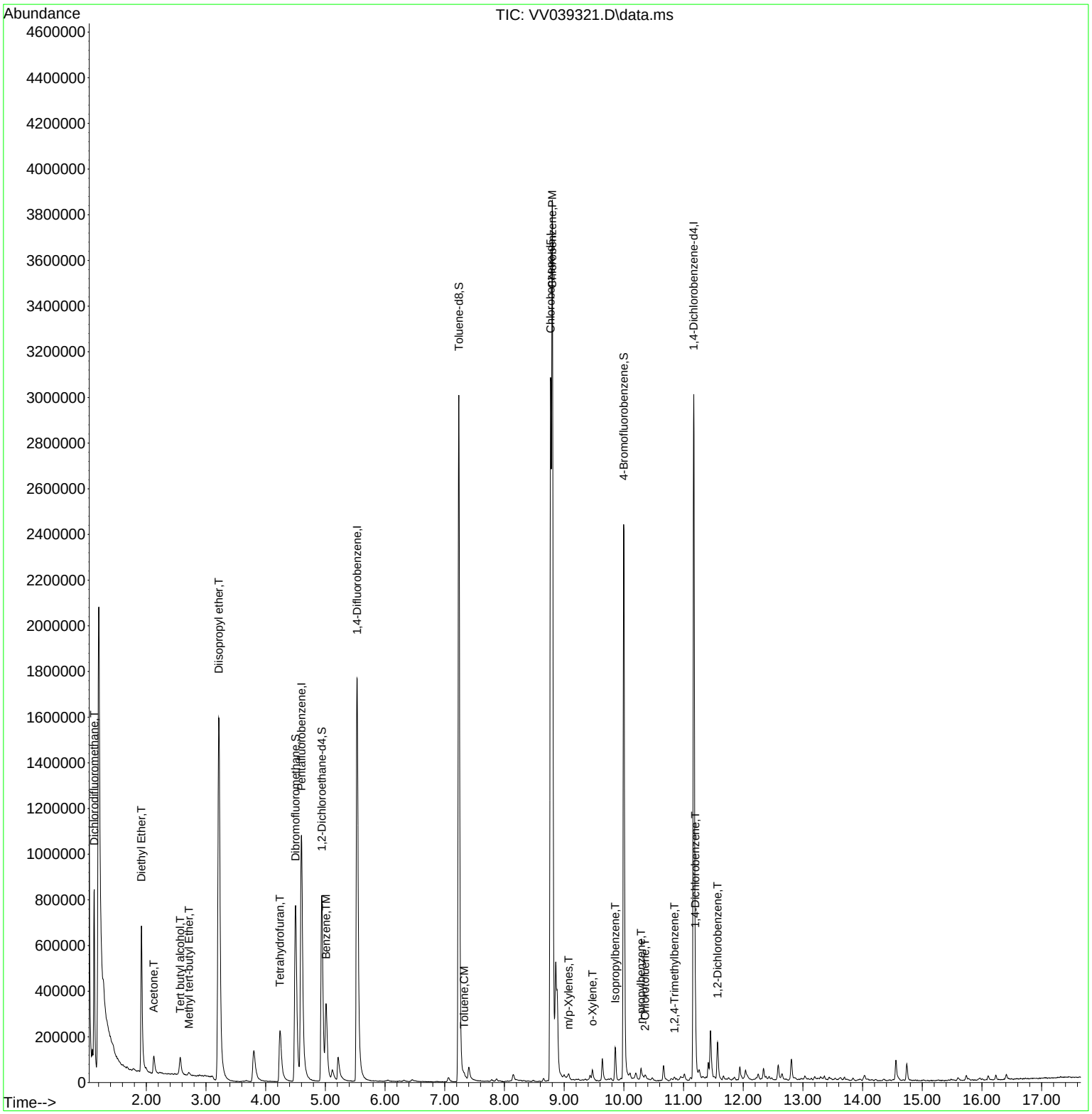
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	952955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1749359	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1614553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	779349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	720522	53.211	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 106.420%			
35) Dibromofluoromethane	4.500	113	647859	47.002	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 94.000%			
50) Toluene-d8	7.236	98	2110762	45.014	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 90.020%			
62) 4-Bromofluorobenzene	9.998	95	804695	48.186	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 96.380%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	13923	1.156	ug/l	90
8) Diethyl Ether	1.918	74	265703	33.643	ug/l	100
11) Tert butyl alcohol	2.568	59	64568	24.605	ug/l #	94
16) Acetone	2.124	43	82619	2.962	ug/l	98
19) Methyl tert-butyl Ether	2.715	73	12425	0.321	ug/l #	87
22) Diisopropyl ether	3.214	45	1713202	46.846	ug/l #	32
29) Tetrahydrofuran	4.240	42	189743	35.836	ug/l	98
40) Benzene	5.011	78	384536	6.922	ug/l	100
52) Toluene	7.326	92	9429	0.281	ug/l	90
65) Chlorobenzene	8.802	112	2091639	54.724	ug/l	99
68) m/p-Xylenes	9.075	106	7810	0.350	ug/l	97
69) o-Xylene	9.474	106	13414	0.680	ug/l	100
73) Isopropylbenzene	9.857	105	93652	1.979	ug/l	98
78) n-propylbenzene	10.288	91	14925	0.260	ug/l	93
79) 2-Chlorotoluene	10.358	91	13979	0.394	ug/l	98
84) 1,2,4-Trimethylbenzene	10.850	105	8227	0.211	ug/l	96
88) 1,4-Dichlorobenzene	11.197	146	118949	4.096	ug/l	92
91) 1,2-Dichlorobenzene	11.570	146	68077	2.758	ug/l	99

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

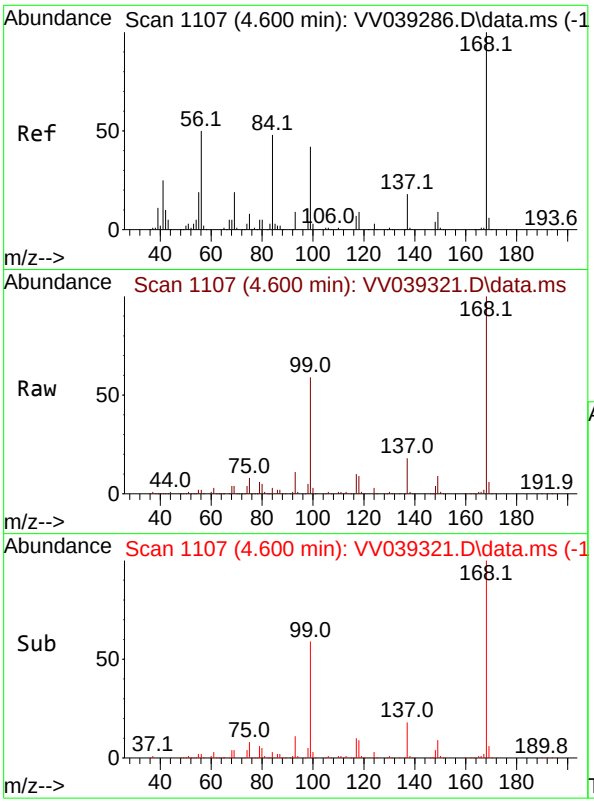
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Quant Time: Nov 05 00:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



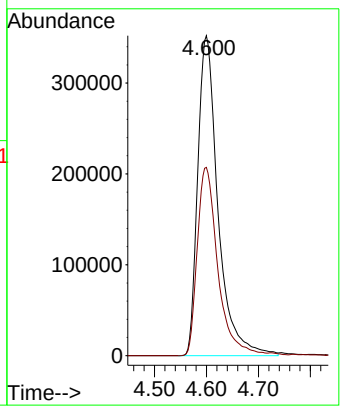
Instrument :
MSVOA_V
ClientSampleId :
MW-6

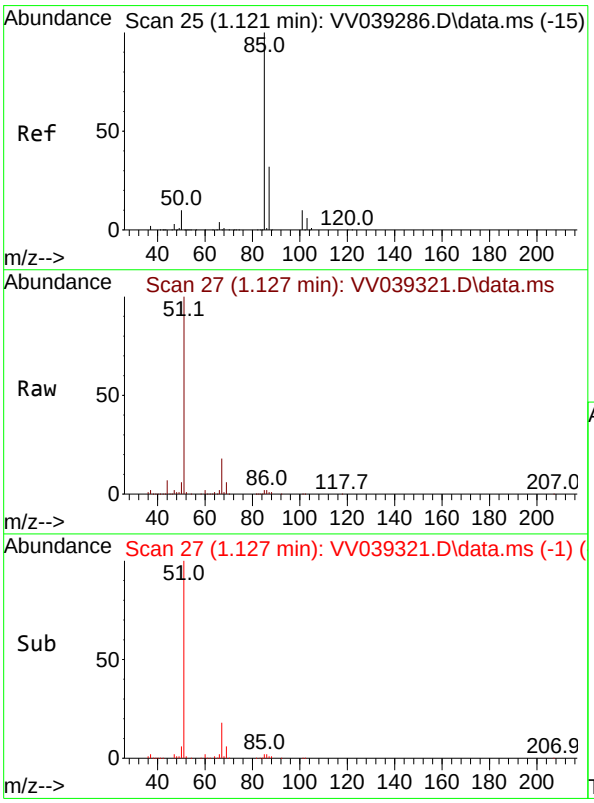


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion:168 Resp: 952955

Ion	Ratio	Lower	Upper
168	100		
99	58.9	46.6	70.0

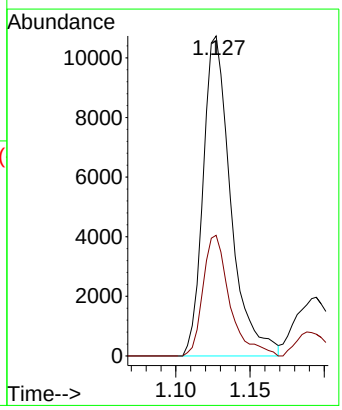


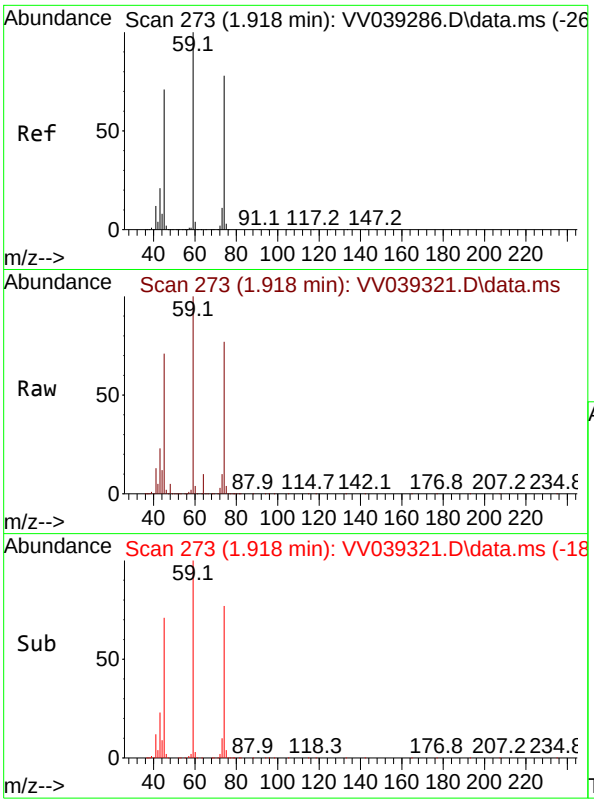


#2
Dichlorodifluoromethane
Concen: 1.156 ug/l
RT: 1.127 min Scan# 27
Delta R.T. 0.006 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 85 Resp: 13923

Ion	Ratio	Lower	Upper
85	100		
87	37.7	16.1	48.2



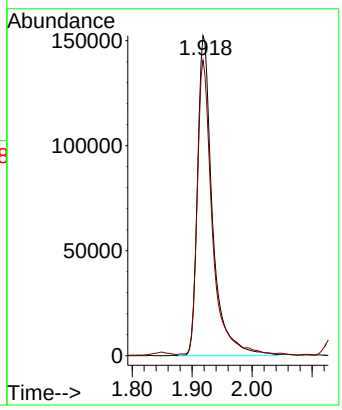


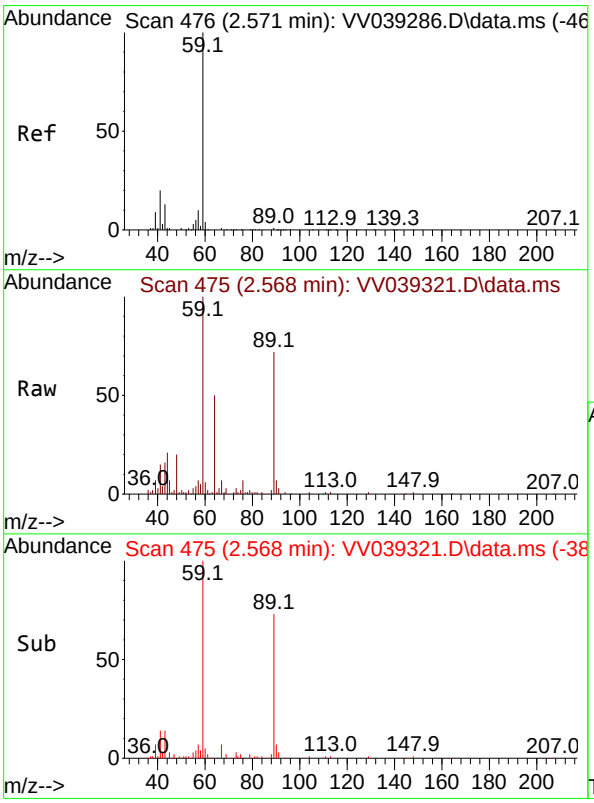
#8
Diethyl Ether
Concen: 33.643 ug/l
RT: 1.918 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion: 74 Resp: 265703

Ion	Ratio	Lower	Upper
74	100		
45	91.4	45.9	137.7

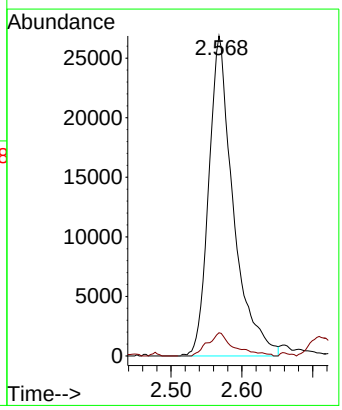


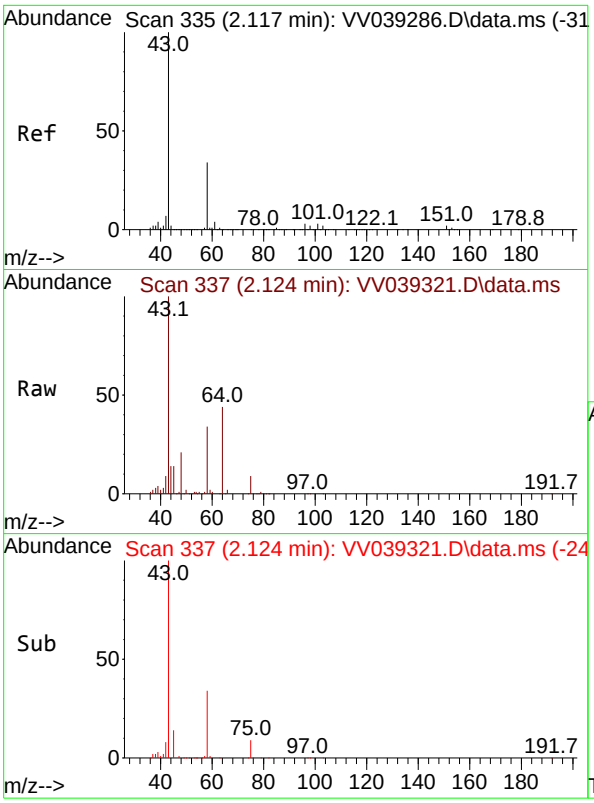


#11
Tert butyl alcohol
Concen: 24.605 ug/l
RT: 2.568 min Scan# 475
Delta R.T. -0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 59 Resp: 64568

Ion	Ratio	Lower	Upper
59	100		
57	7.7	8.1	12.1#



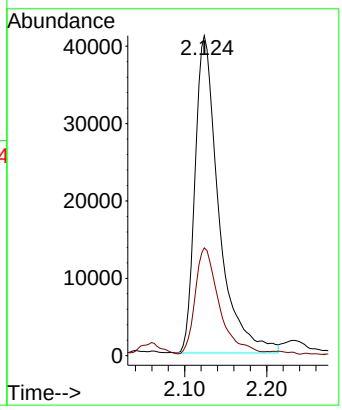


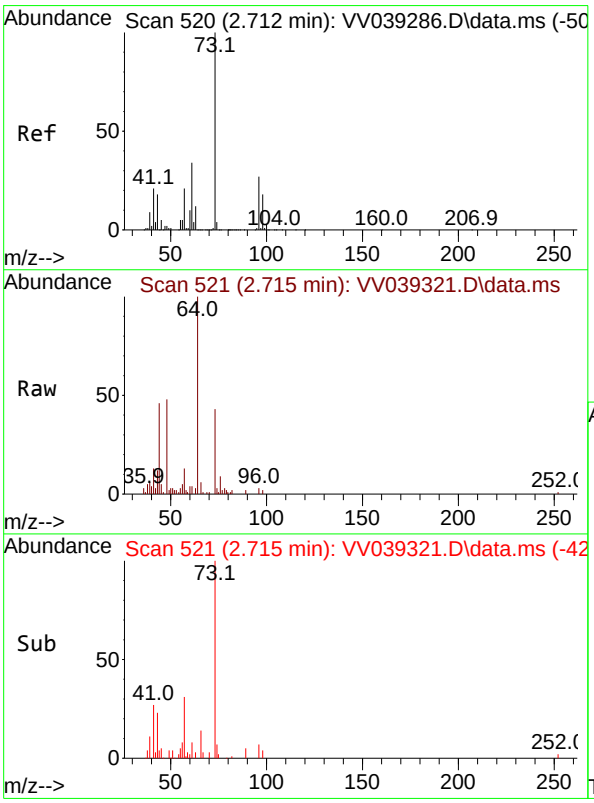
#16
Acetone
Concen: 2.962 ug/l
RT: 2.124 min Scan# 3
Delta R.T. 0.006 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion: 43 Resp: 82619

Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.5	41.3

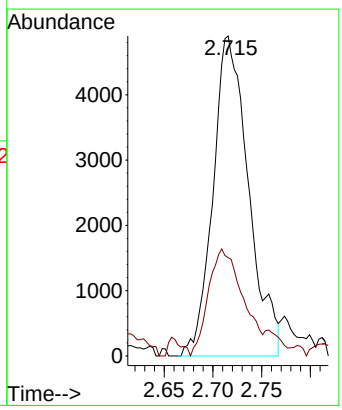


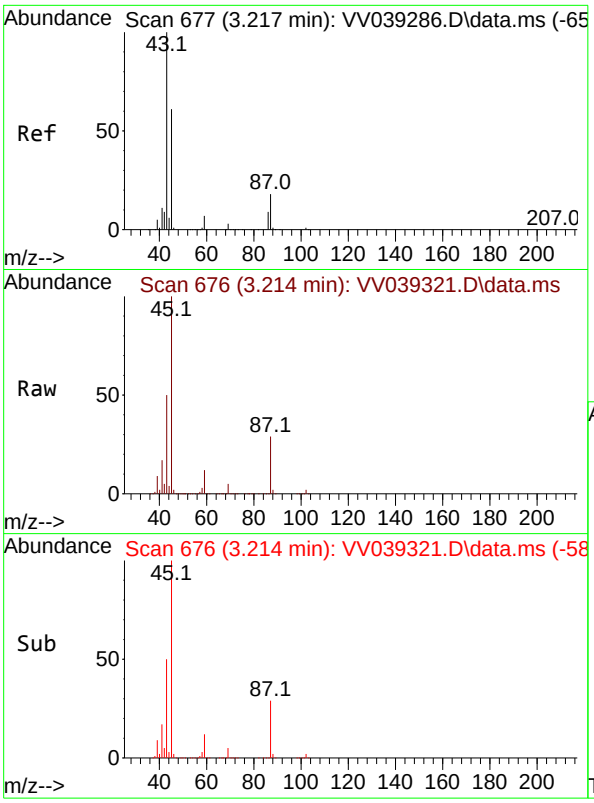


#19
Methyl tert-butyl Ether
Concen: 0.321 ug/l
RT: 2.715 min Scan# 521
Delta R.T. 0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 73 Resp: 12425

Ion	Ratio	Lower	Upper
73	100		
57	27.3	17.0	25.6#



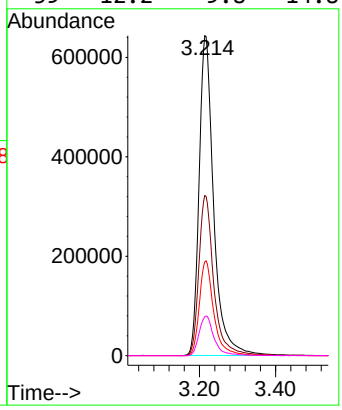


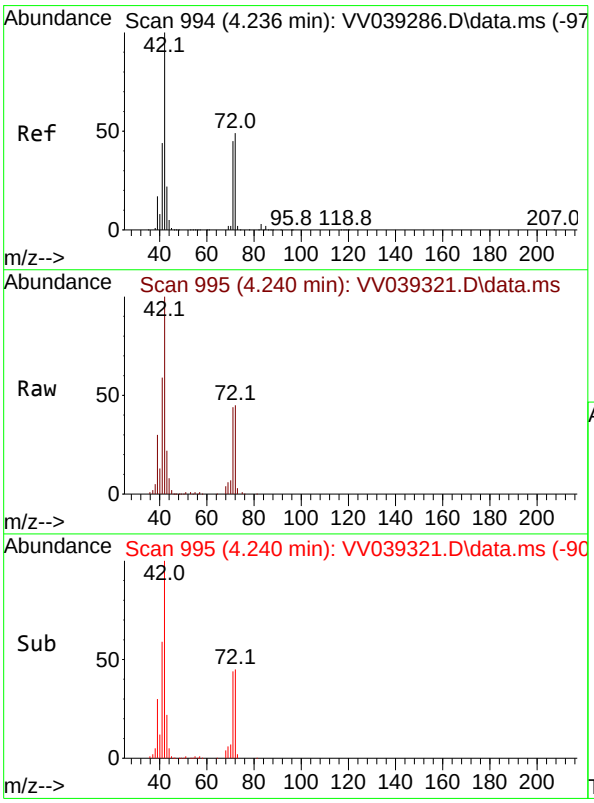
#22
Diisopropyl ether
Concen: 46.846 ug/l
RT: 3.214 min Scan# 6
Delta R.T. -0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion: 45 Resp: 1713202

Ion	Ratio	Lower	Upper
45	100		
43	50.0	130.8	196.2#
87	29.3	23.8	35.8
59	12.2	9.8	14.8

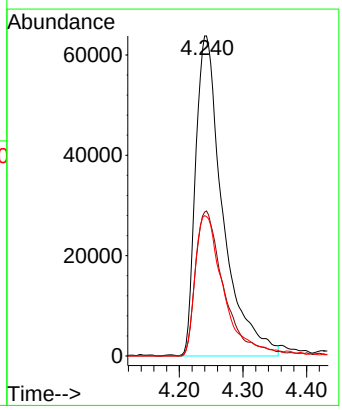


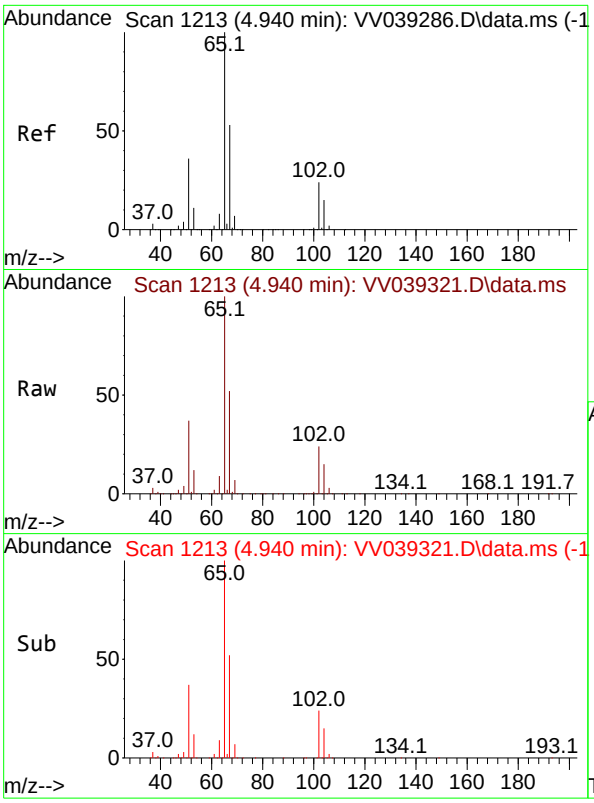


#29
Tetrahydrofuran
Concen: 35.836 ug/l
RT: 4.240 min Scan# 995
Delta R.T. 0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 42 Resp: 189743

Ion	Ratio	Lower	Upper
42	100		
72	47.4	39.8	59.8
71	46.0	36.5	54.7



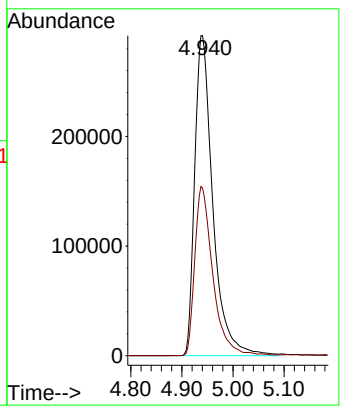


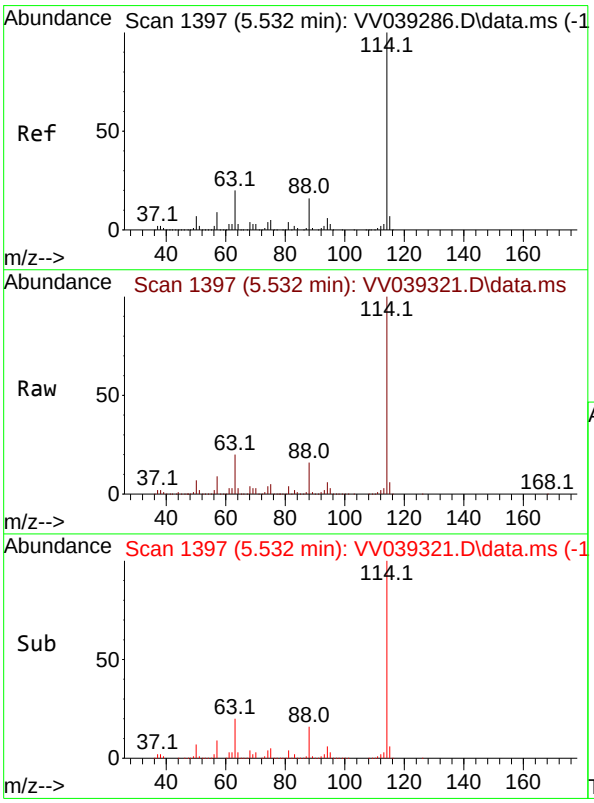
#33
1,2-Dichloroethane-d4
Concen: 53.211 ug/l
RT: 4.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion: 65 Resp: 720522

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	108.4

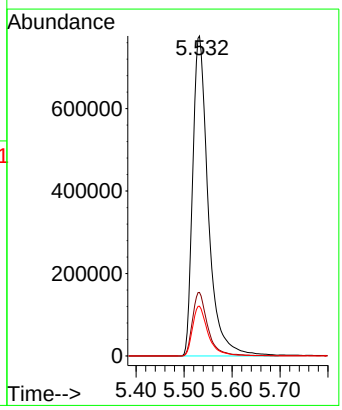


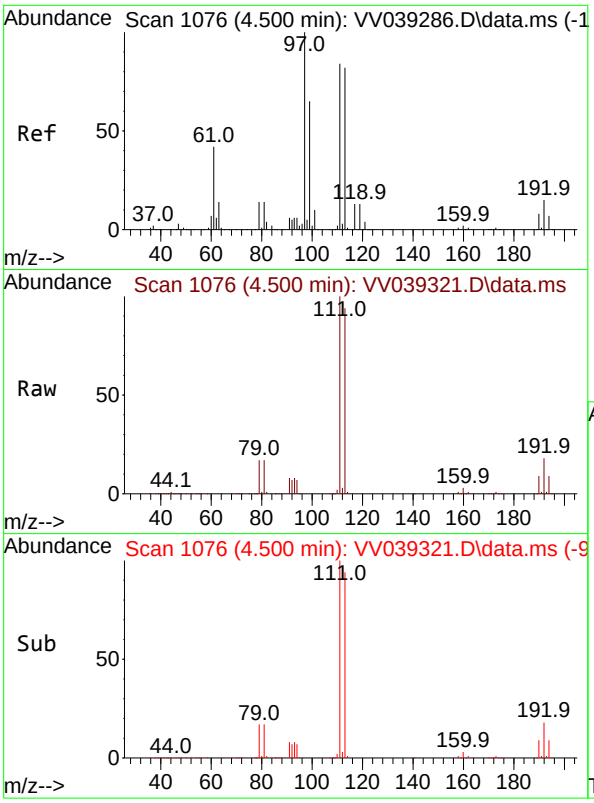


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion:114 Resp: 1749359

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.5	0.0	31.6



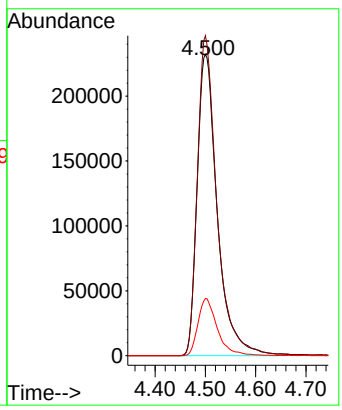


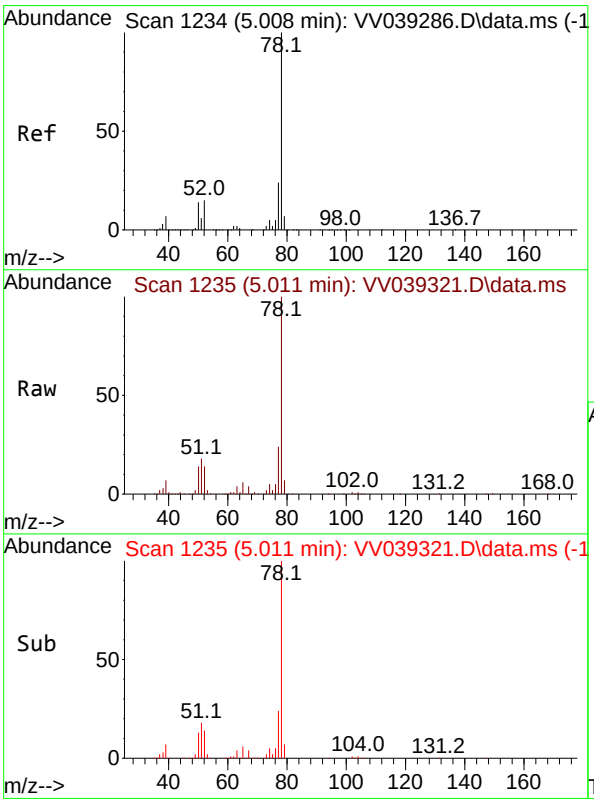
#35
Dibromofluoromethane
Concen: 47.002 ug/l
RT: 4.500 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion:113 Resp: 647859

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	18.2	14.3	21.5

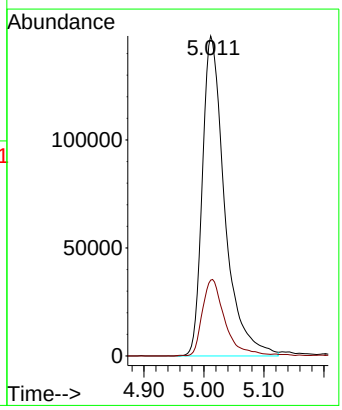


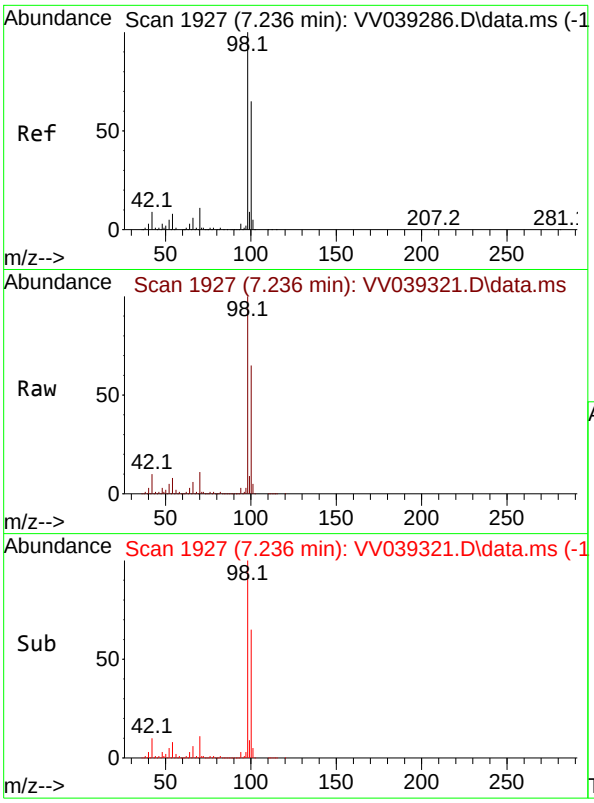


#40
Benzene
Concen: 6.922 ug/l
RT: 5.011 min Scan# 1235
Delta R.T. 0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 78 Resp: 384536

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3



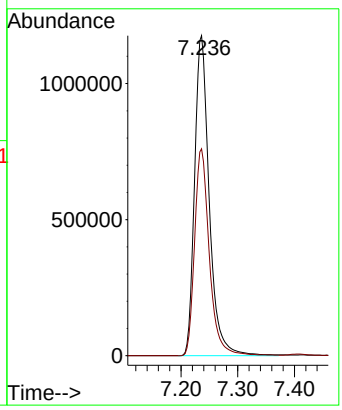


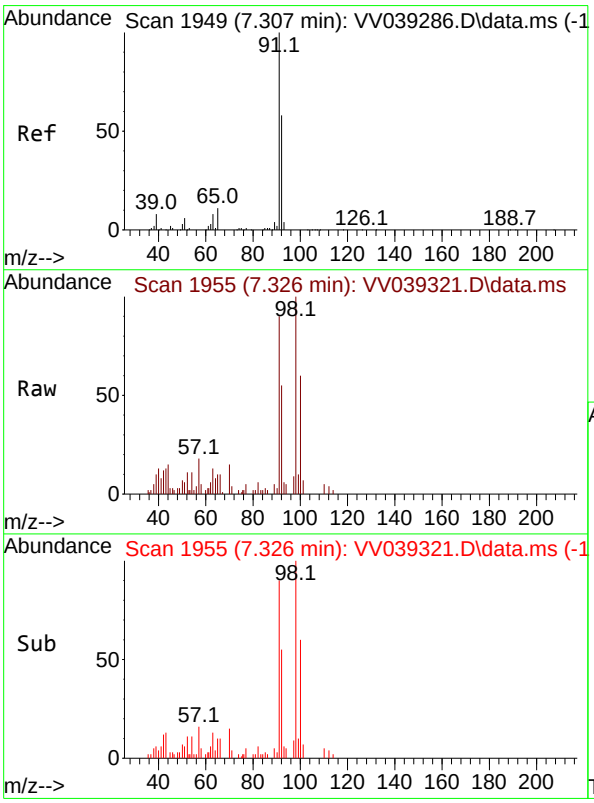
#50
Toluene-d8
Concen: 45.014 ug/l
RT: 7.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion: 98 Resp: 2110762

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.8	79.2

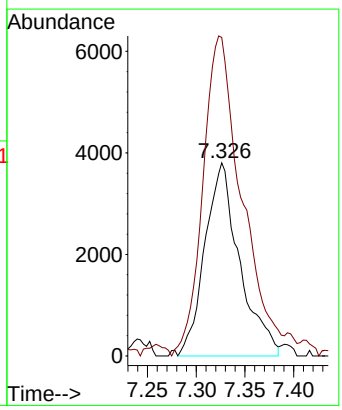


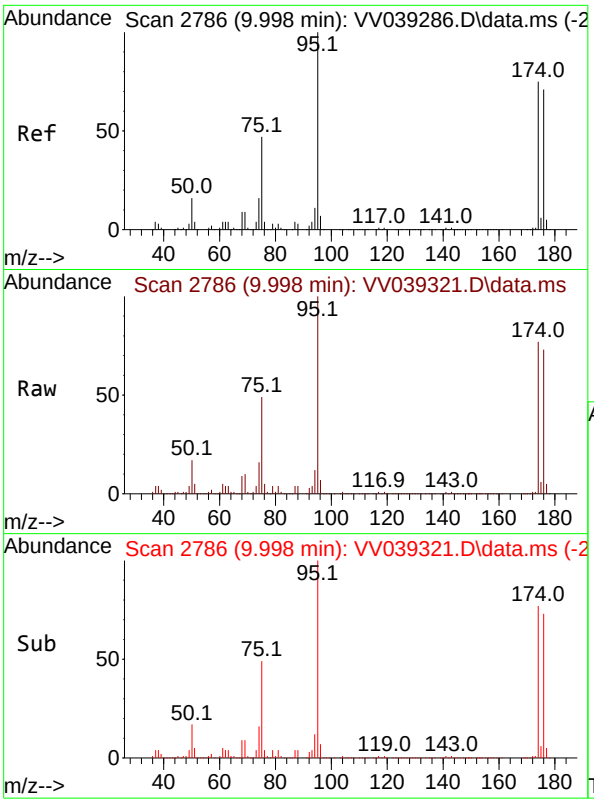


#52
Toluene
Concen: 0.281 ug/l
RT: 7.326 min Scan# 1955
Delta R.T. 0.019 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 92 Resp: 9429

Ion	Ratio	Lower	Upper
92	100		
91	185.0	137.3	205.9



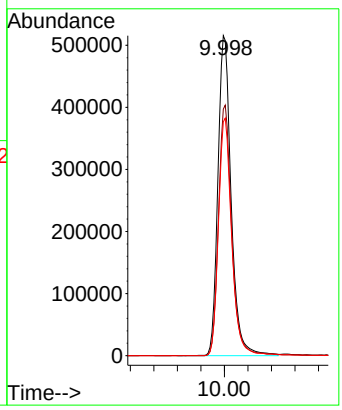


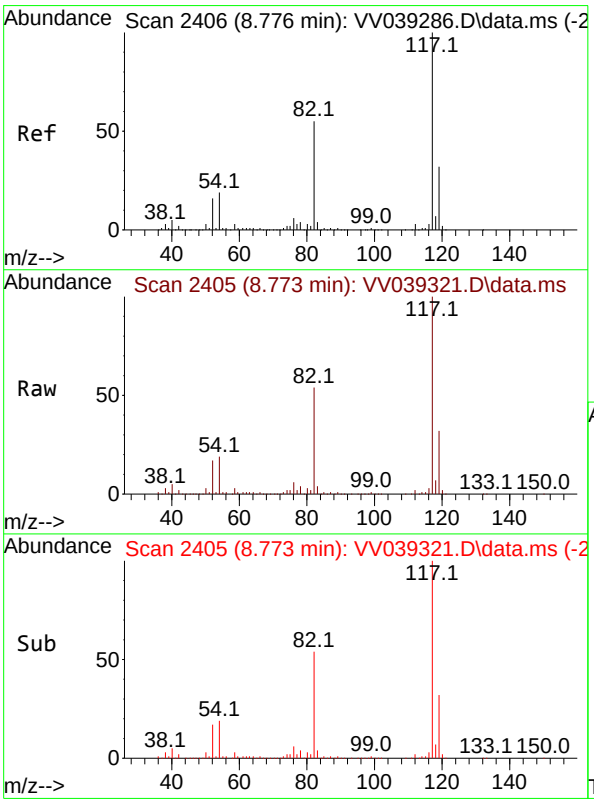
#62
4-Bromofluorobenzene
Concen: 48.186 ug/l
RT: 9.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion: 95 Resp: 804695

Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	153.6
176	74.1	0.0	146.0

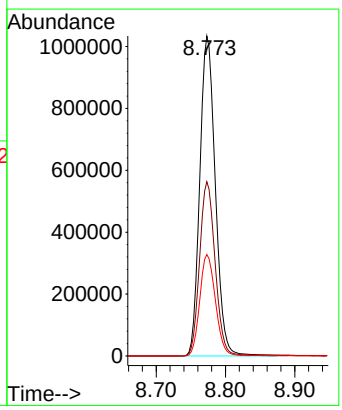


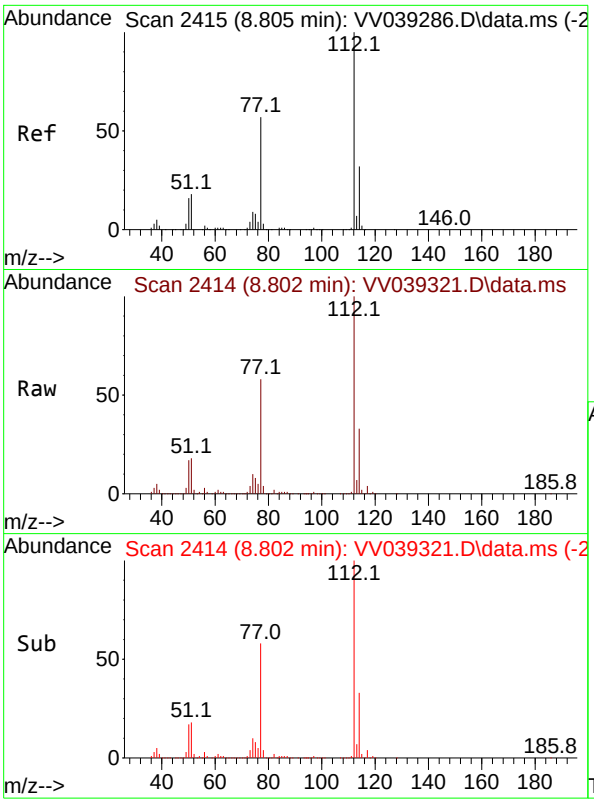


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion:117 Resp: 1614553

Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.8	65.8
119	31.7	25.8	38.6



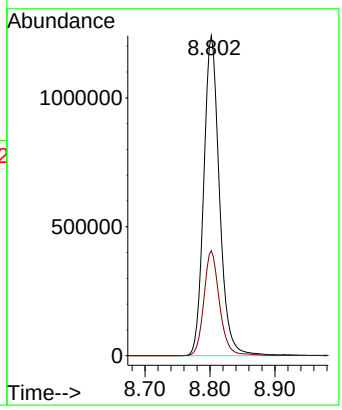


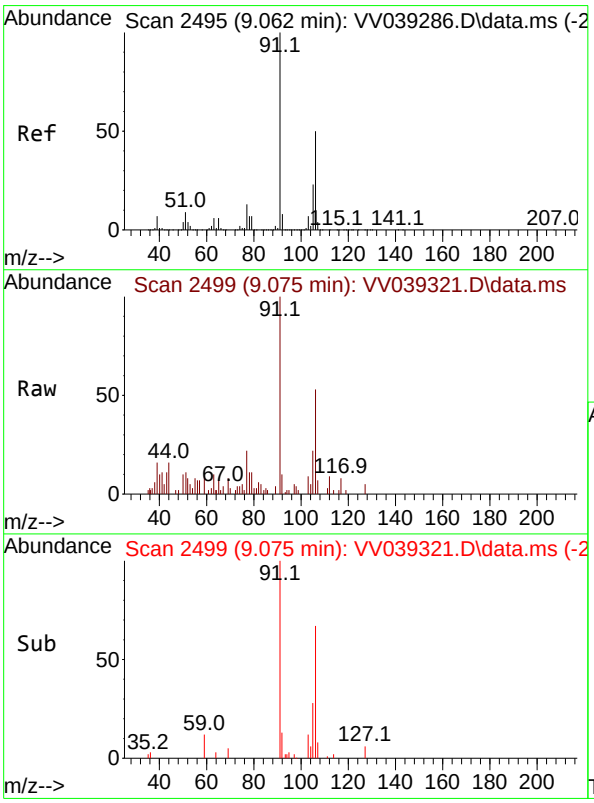
#65
Chlorobenzene
Concen: 54.724 ug/l
RT: 8.802 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion:112 Resp: 2091639

Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.7	38.5

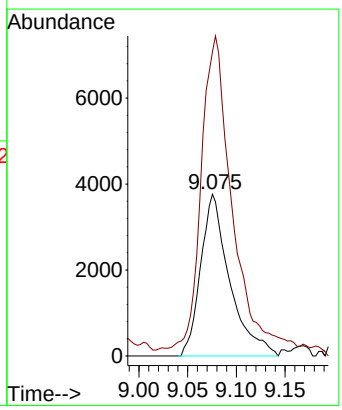


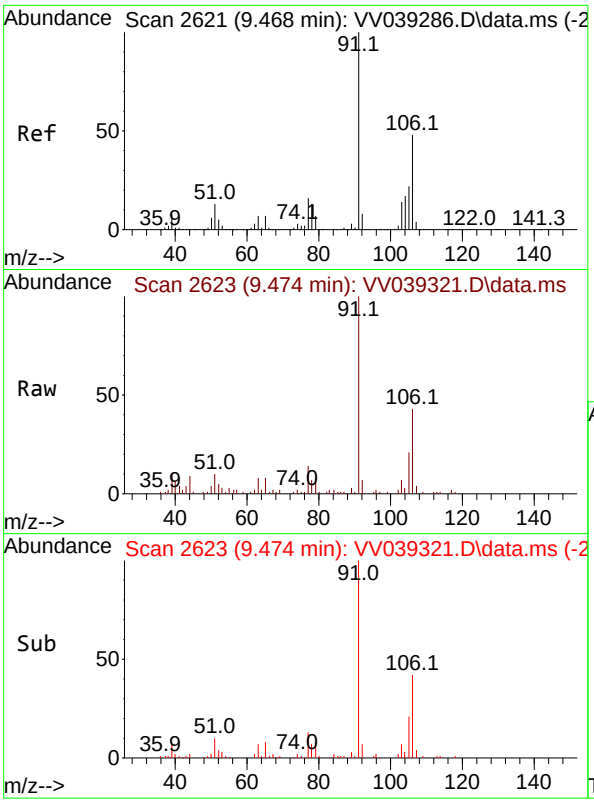


#68
m/p-Xylenes
Concen: 0.350 ug/l
RT: 9.075 min Scan# 2499
Delta R.T. 0.013 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion:106 Resp: 7810

Ion	Ratio	Lower	Upper
106	100		
91	204.2	160.2	240.2



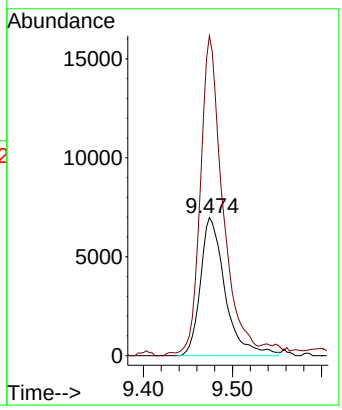


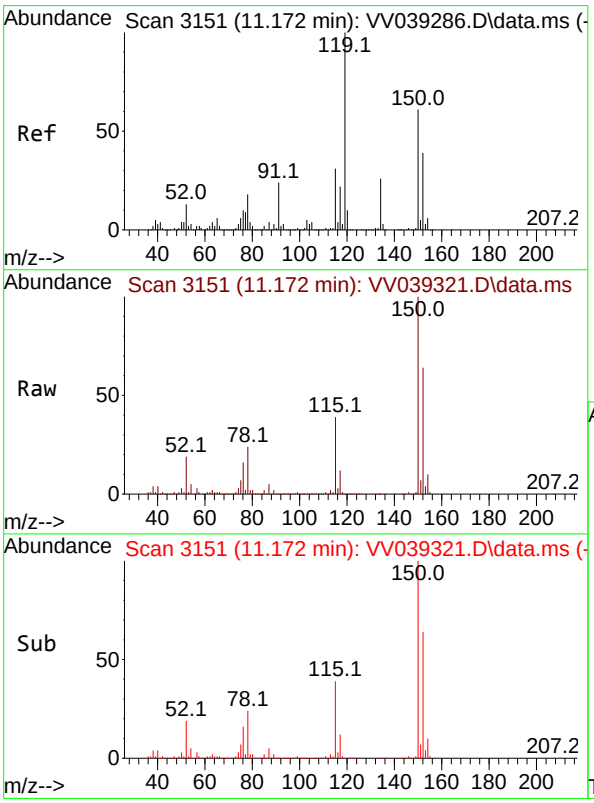
#69
o-Xylene
Concen: 0.680 ug/l
RT: 9.474 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion:106 Resp: 13414

Ion	Ratio	Lower	Upper
106	100		
91	210.9	105.8	317.3

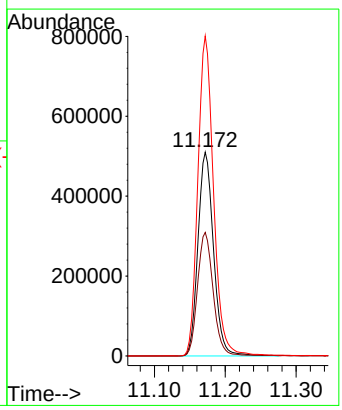


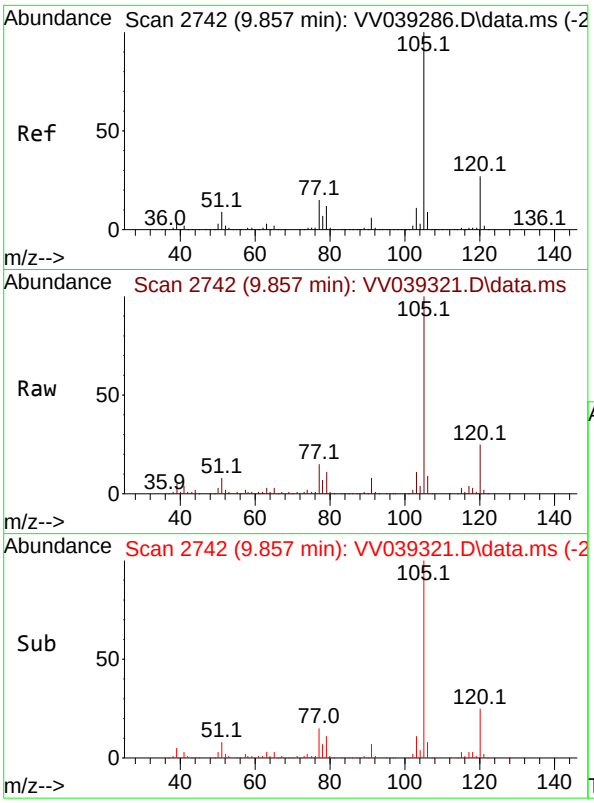


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion:152 Resp: 779349

Ion	Ratio	Lower	Upper
152	100		
115	60.9	42.3	126.8
150	158.4	0.0	348.0



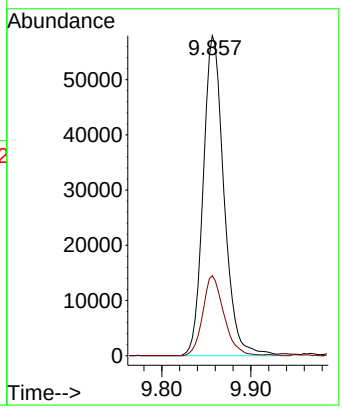


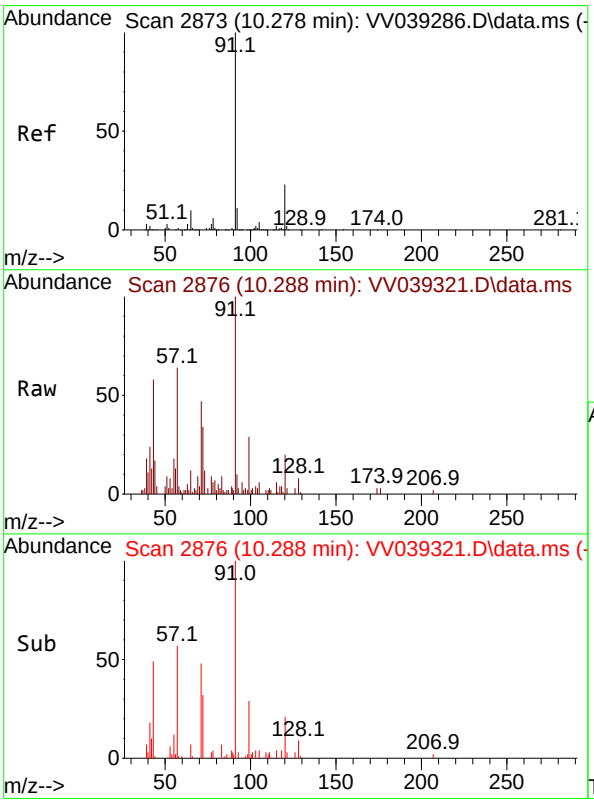
#73
Isopropylbenzene
Concen: 1.979 ug/l
RT: 9.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion:105 Resp: 93652

Ion	Ratio	Lower	Upper
105	100		
120	25.5	13.2	39.5

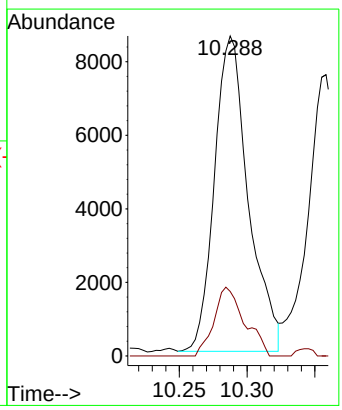


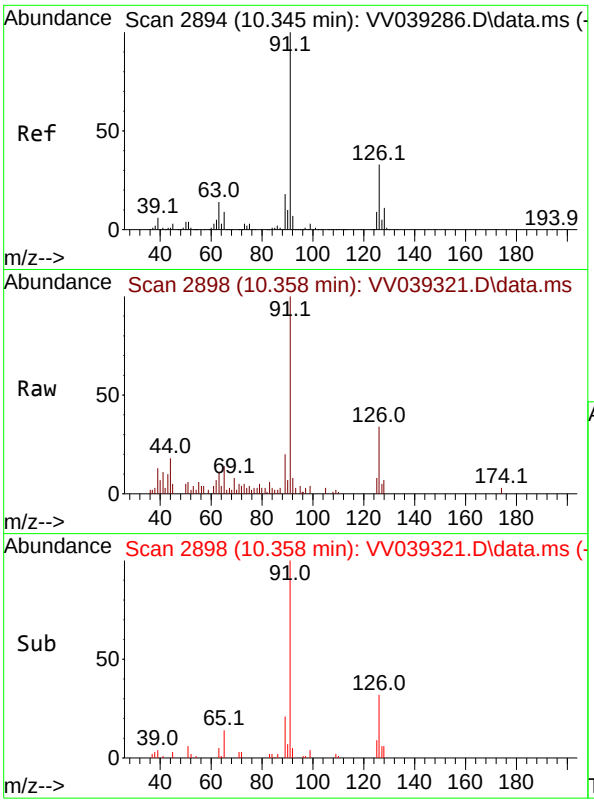


#78
n-propylbenzene
Concen: 0.260 ug/l
RT: 10.288 min Scan# 2876
Delta R.T. 0.010 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 91 Resp: 14925

Ion	Ratio	Lower	Upper
91	100		
120	19.7	11.5	34.5



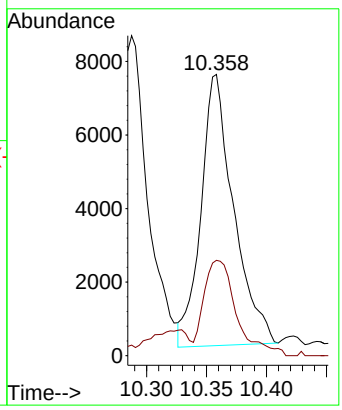


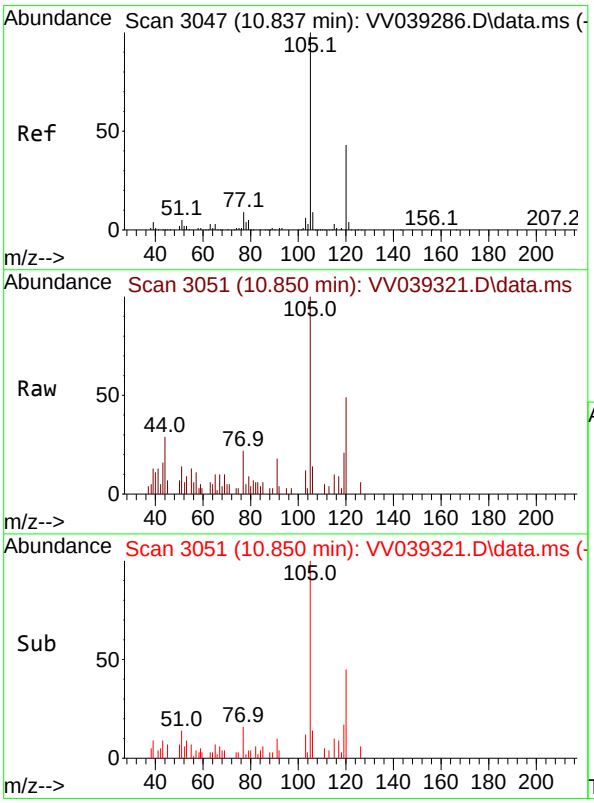
#79
2-Chlorotoluene
Concen: 0.394 ug/l
RT: 10.358 min Scan# 2
Delta R.T. 0.013 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion: 91 Resp: 13979

Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.9	50.6

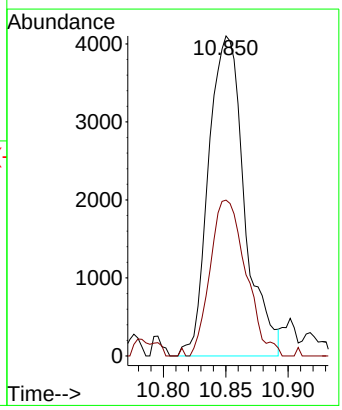


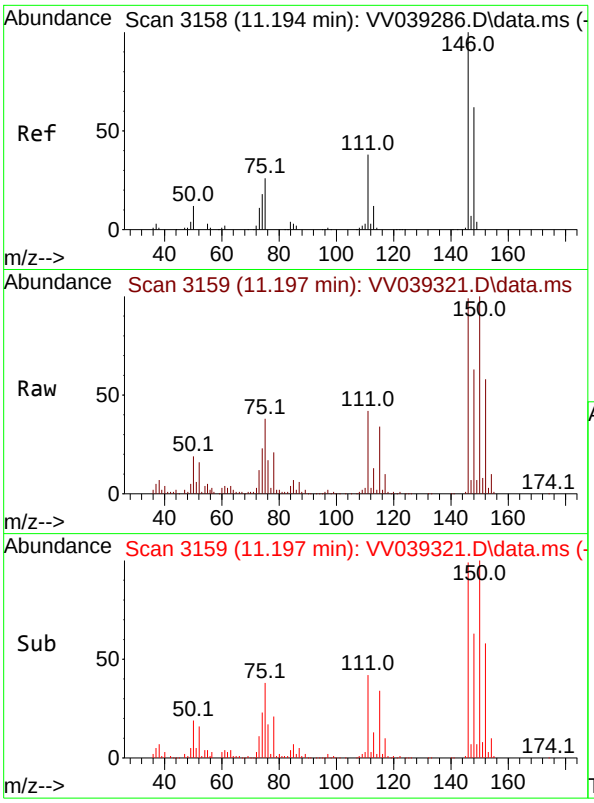


#84
1,2,4-Trimethylbenzene
Concen: 0.211 ug/l
RT: 10.850 min Scan# 3051
Delta R.T. 0.013 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion:105 Resp: 8227

Ion	Ratio	Lower	Upper
105	100		
120	48.4	22.8	68.4



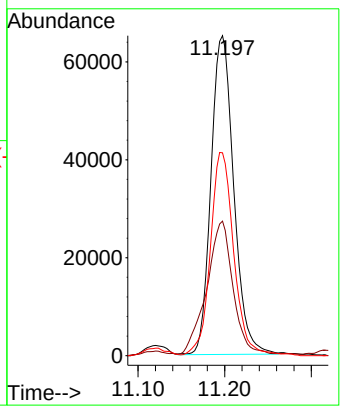


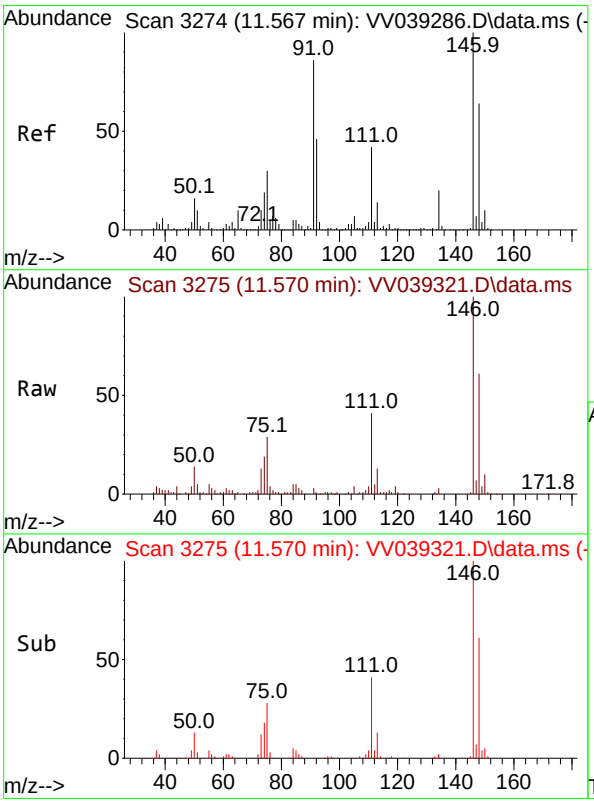
#88
1,4-Dichlorobenzene
Concen: 4.096 ug/l
RT: 11.197 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Tgt Ion:146 Resp: 118949

Ion	Ratio	Lower	Upper
146	100		
111	48.3	19.7	59.0
148	65.9	31.5	94.5

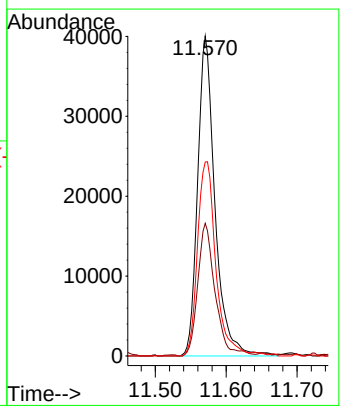




#91
1,2-Dichlorobenzene
Concen: 2.758 ug/l
RT: 11.570 min Scan# 3275
Delta R.T. 0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion:146 Resp: 68077

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	64.0
148	63.8	31.9	95.7



Sample Results: **VV039321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039321.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.127	20	27	38	rVB	778200	937658	16.67%	1.790%
2	1.204	38	51	72	rBV	2015145	5625132	100.00%	10.739%
3	1.918	265	273	294	rBV	635216	1064784	18.93%	2.033%
4	2.127	330	338	361	rVB3	75482	158925	2.83%	0.303%
5	2.568	466	475	495	rVB2	73974	166010	2.95%	0.317%
6	3.214	660	676	710	rBV	1585211	4197238	74.62%	8.013%
7	3.802	842	859	897	rBV2	135578	478043	8.50%	0.913%
8	4.240	983	995	1039	rBV3	222275	692165	12.30%	1.321%
9	4.500	1060	1076	1095	rBV2	769905	2024808	36.00%	3.866%
10	4.600	1095	1107	1157	rVB	1073423	2960681	52.63%	5.652%
11	4.940	1200	1213	1227	rBV	811108	1912171	33.99%	3.651%
12	5.011	1227	1235	1259	rVV2	337762	884805	15.73%	1.689%
13	5.114	1260	1267	1290	rVV3	46295	134395	2.39%	0.257%
14	5.214	1290	1298	1334	rVB3	99535	274985	4.89%	0.525%
15	5.529	1384	1396	1434	rBV	1763610	4009194	71.27%	7.654%
16	7.236	1915	1927	1954	rBV	3005475	5470536	97.25%	10.444%
17	7.403	1971	1979	2001	rVB2	54277	121866	2.17%	0.233%
18	8.146	2201	2210	2220	rBV5	26750	56779	1.01%	0.108%
19	8.773	2394	2405	2409	rBV	3079975	4633900	82.38%	8.847%
20	8.802	2410	2414	2425	rVB	3650836	5099397	90.65%	9.736%
21	8.860	2426	2432	2437	rBV	245490	329547	5.86%	0.629%
22	9.474	2617	2623	2639	rVB	45015	78743	1.40%	0.150%
23	9.641	2664	2675	2691	rBV2	94095	162669	2.89%	0.311%
24	9.857	2732	2742	2760	rBV	145371	243364	4.33%	0.465%
25	9.998	2776	2786	2811	rBV	2427661	3796707	67.50%	7.248%
26	10.288	2867	2876	2892	rBV5	46991	98289	1.75%	0.188%
27	10.667	2985	2994	3014	rBV	63480	113254	2.01%	0.216%
28	11.172	3140	3151	3173	rBV	2997830	5044746	89.68%	9.631%
29	11.416	3219	3227	3231	rBV2	66259	92891	1.65%	0.177%
30	11.451	3231	3238	3254	rVB	203549	357538	6.36%	0.683%
31	11.570	3266	3275	3298	rVB	164446	303697	5.40%	0.580%
32	11.943	3383	3391	3407	rBV2	55930	105781	1.88%	0.202%
33	12.040	3414	3421	3446	rVB4	39583	94713	1.68%	0.181%
34	12.339	3507	3514	3523	rBV3	43566	66287	1.18%	0.127%
35	12.586	3580	3591	3602	rBV4	64571	118032	2.10%	0.225%
36	12.808	3646	3660	3672	rBV3	90608	171413	3.05%	0.327%

Sample Results: **VV039321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

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_V\Method\82V100725W.M
Title : SW846 8260

37	14.557	4196	4204	4227	rVB	87504	173069	3.08%	0.330%
38	14.741	4251	4261	4277	rBV2	72092	125153	2.22%	0.239%

Sum of corrected areas: 52379365

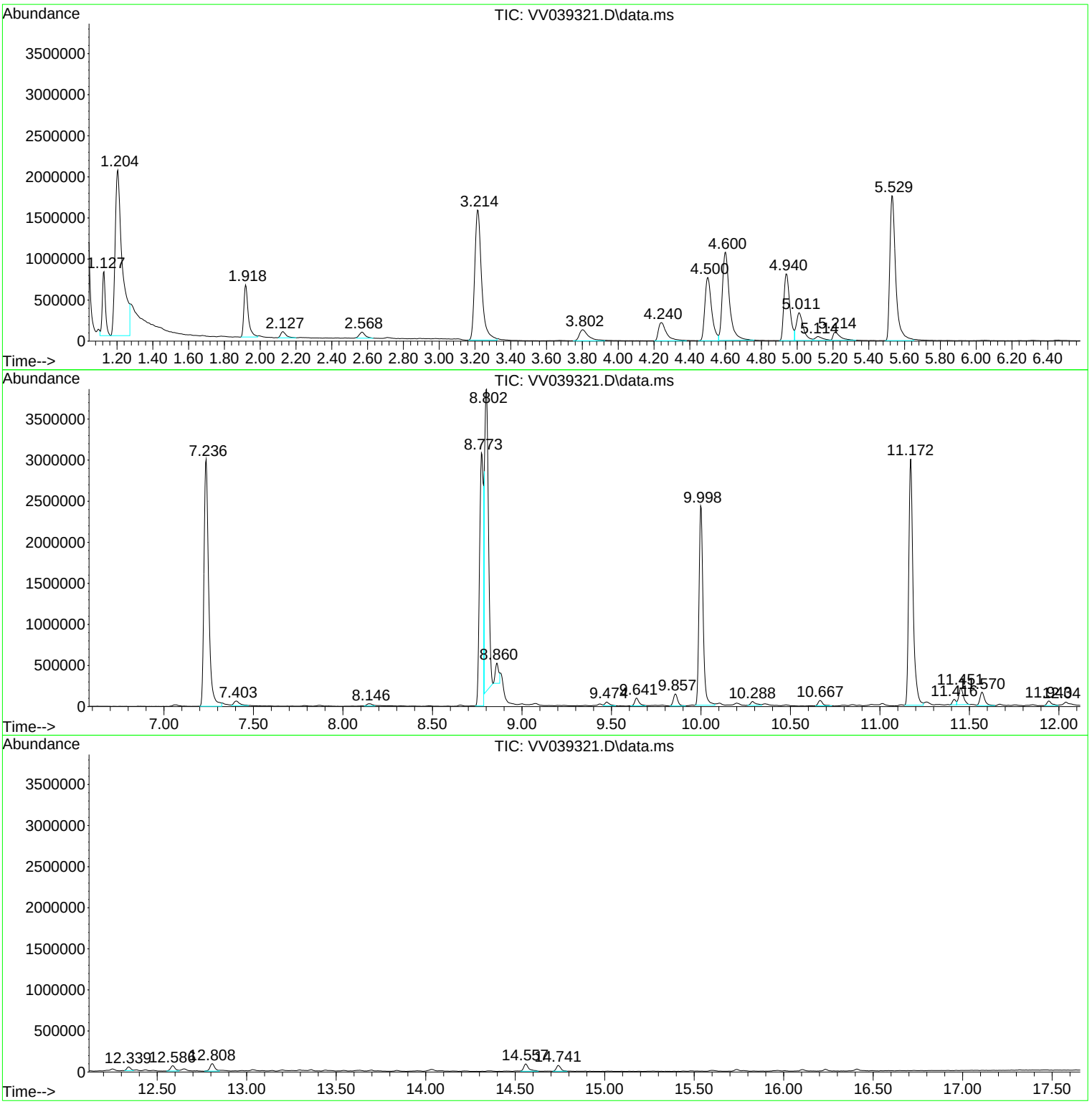
Sample Results: **VV039321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VV039321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Sample Results: **VV039321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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: **VV039322.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-02	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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	11/04/25 18:09	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 18:09	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 18:09	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 18:09	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 18:09	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 18:09	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:09	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:09	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 18:09	VV110425
75-15-0	Carbon Disulfide	0.74	J	1	0.21	1.00	ug/L	11/04/25 18:09	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:09	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 18:09	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 18:09	VV110425
156-60-5	trans-1,2-Dichloroethene	0.38	J	1	0.23	1.00	ug/L	11/04/25 18:09	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:09	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 18:09	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 18:09	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:09	VV110425
156-59-2	cis-1,2-Dichloroethene	1.80		1	0.19	1.00	ug/L	11/04/25 18:09	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:09	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:09	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:09	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:09	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:09	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:09	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 18:09	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:09	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:09	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 18:09	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 18:09	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 18:09	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:09	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 18:09	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 18:09	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 18:09	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:09	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:09	VV110425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 18:09	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 18:09	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 18:09	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 18:09	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:09	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 18:09	VV110425

Raw Data: **VV039322.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-02	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 18:09	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 18:09	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:09	VV110425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/04/25 18:09	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:09	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 18:09	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:09	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:09	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.0			70 (74) - 130 (125)	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.4			70 (75) - 130 (124)	95%	SPK: 50		
2037-26-5	Toluene-d8	46.4			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.5			70 (77) - 130 (121)	91%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	916000							
540-36-3	1,4-Difluorobenzene	1790000							
3114-55-4	Chlorobenzene-d5	1600000							
3855-82-1	1,4-Dichlorobenzene-d4	726000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	35.6	J			1.92	ug/L		
75-65-0	Tert butyl alcohol	110	J			2.56	ug/L		
108-20-3	Diisopropyl ether	3.70	J			3.22	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_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Quant Time: Nov 05 00:41:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

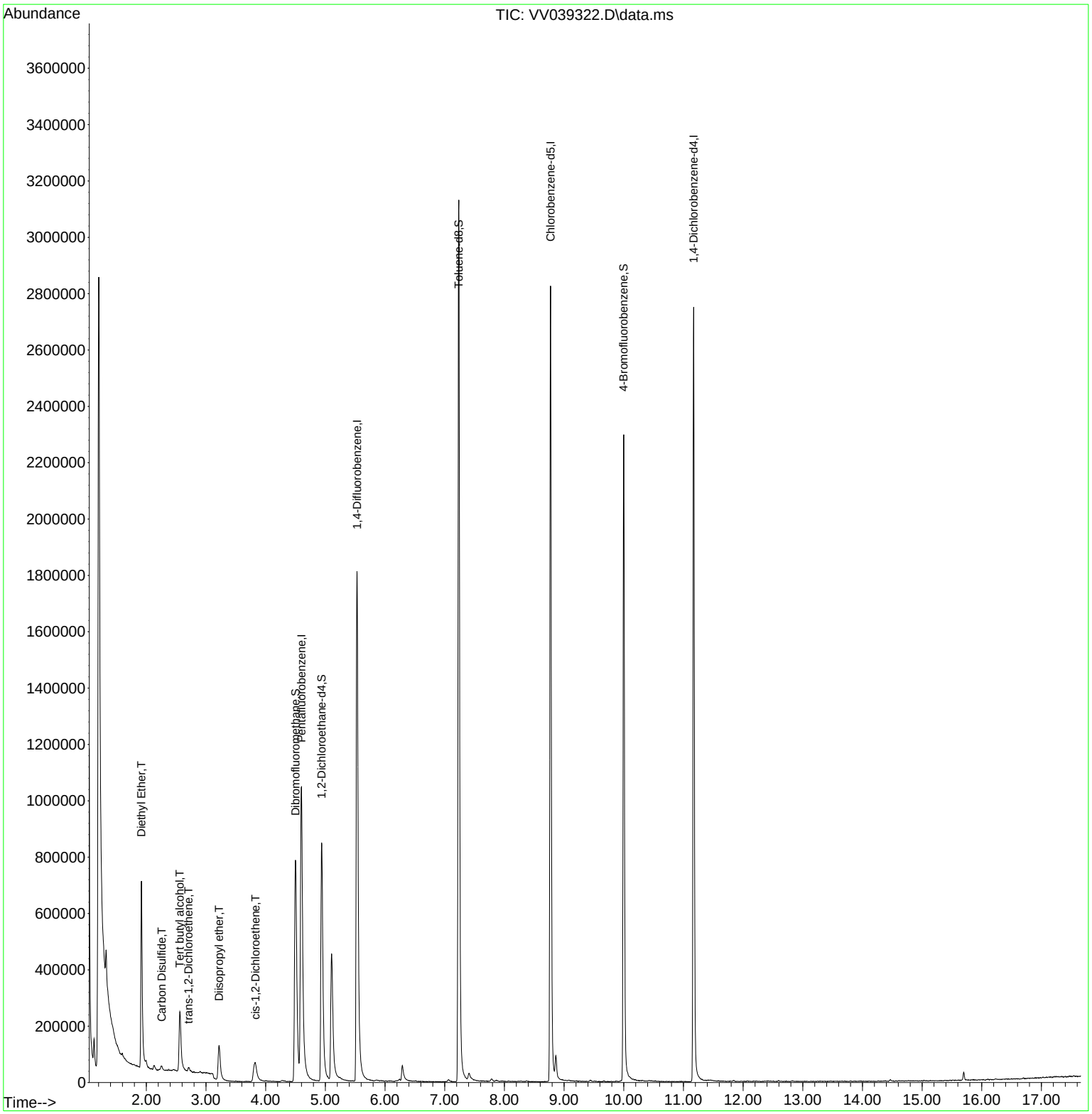
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	916194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1787762	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1600815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	725582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	755450	58.028	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 116.060%			
35) Dibromofluoromethane	4.500	113	668222	47.438	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 94.880%			
50) Toluene-d8	7.236	98	2225824	46.448	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.900%			
62) 4-Bromofluorobenzene	9.998	95	776019	45.470	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 90.940%			
Target Compounds						Qvalue
8) Diethyl Ether	1.918	74	270465	35.620	ug/l	98
11) Tert butyl alcohol	2.561	59	266760	105.733	ug/l	99
17) Carbon Disulfide	2.259	76	25913	0.743	ug/l #	92
21) trans-1,2-Dichloroethene	2.706	96	4905	0.377	ug/l	84
22) Diisopropyl ether	3.220	45	130825	3.721	ug/l #	34
27) cis-1,2-Dichloroethene	3.831	96	23404	1.797	ug/l	95

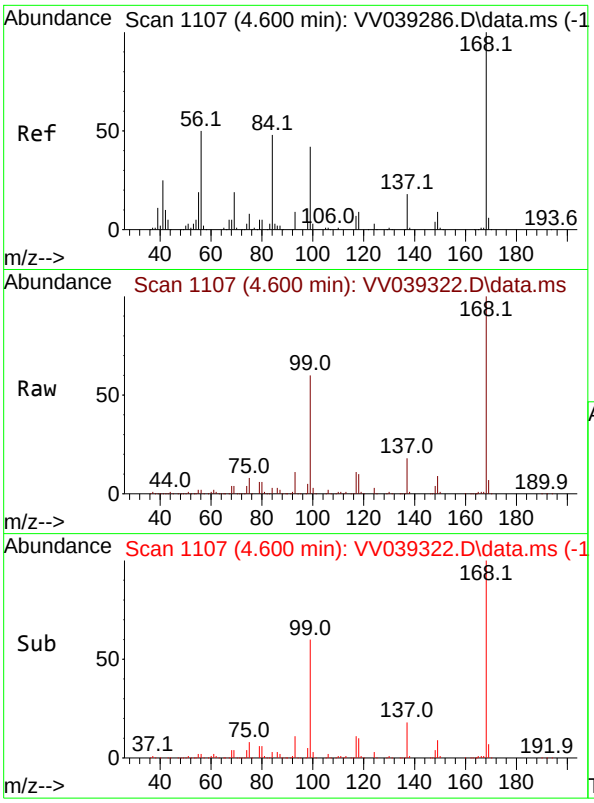
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Quant Time: Nov 05 00:41:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



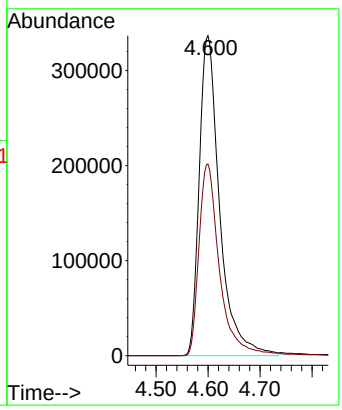


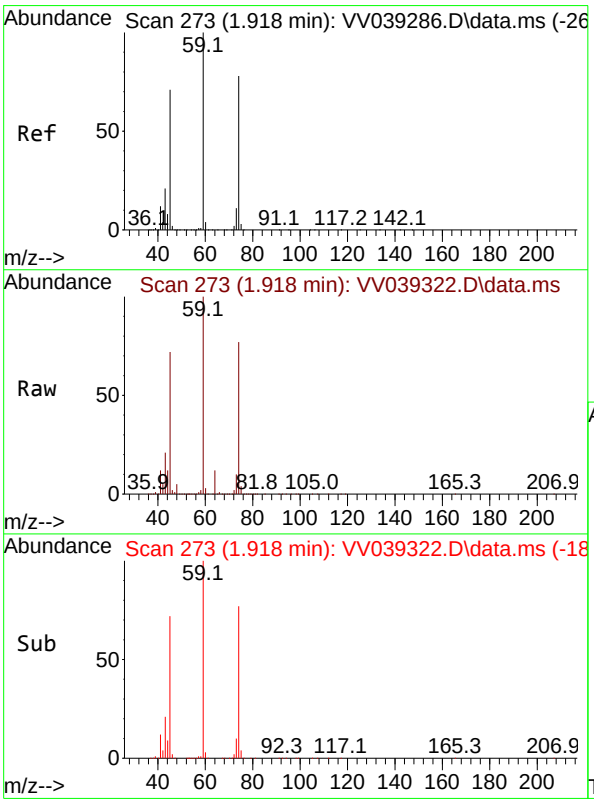
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Tgt Ion:168 Resp: 916194

Ion	Ratio	Lower	Upper
168	100		
99	59.9	46.6	70.0

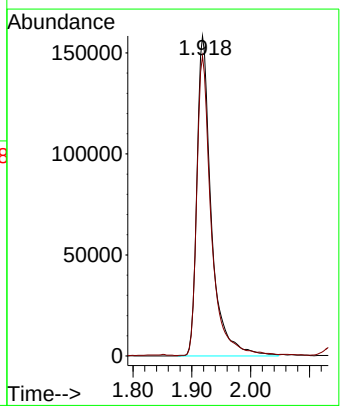


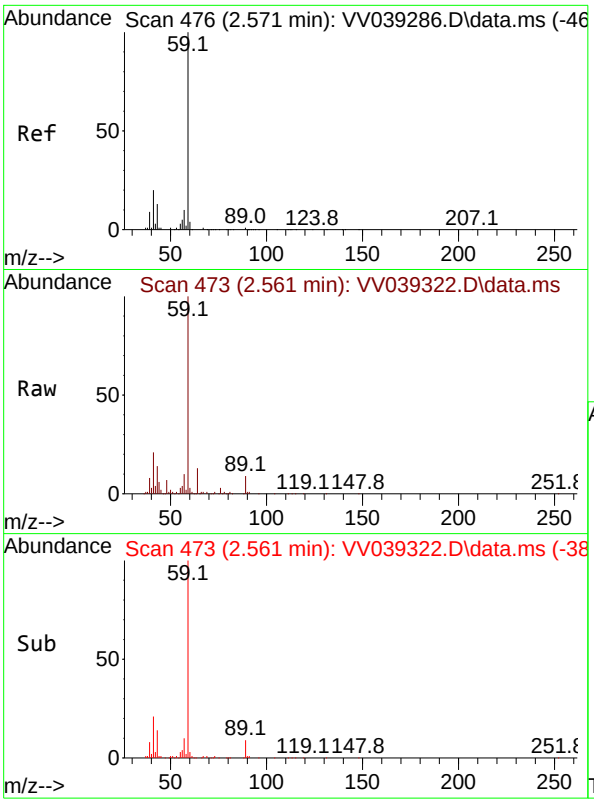


#8
Diethyl Ether
Concen: 35.620 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 74 Resp: 270465

Ion	Ratio	Lower	Upper
74	100		
45	93.7	45.9	137.7



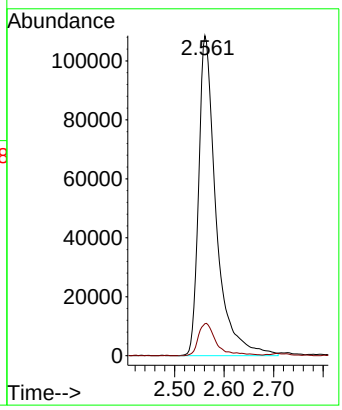


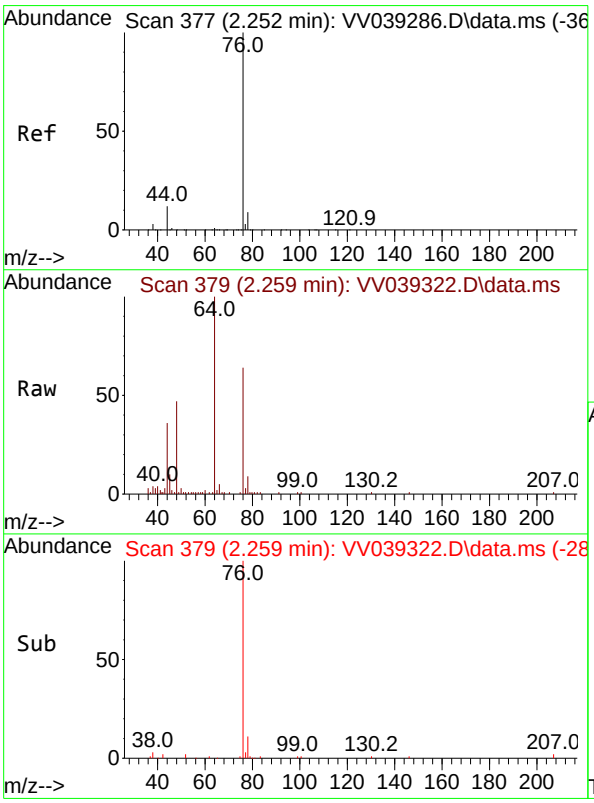
#11
Tert butyl alcohol
Concen: 105.733 ug/l
RT: 2.561 min Scan# 4
Delta R.T. -0.010 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Tgt Ion: 59 Resp: 266760

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.1	12.1

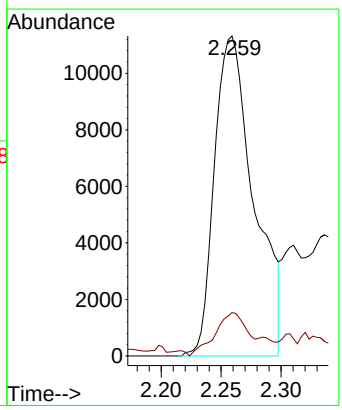


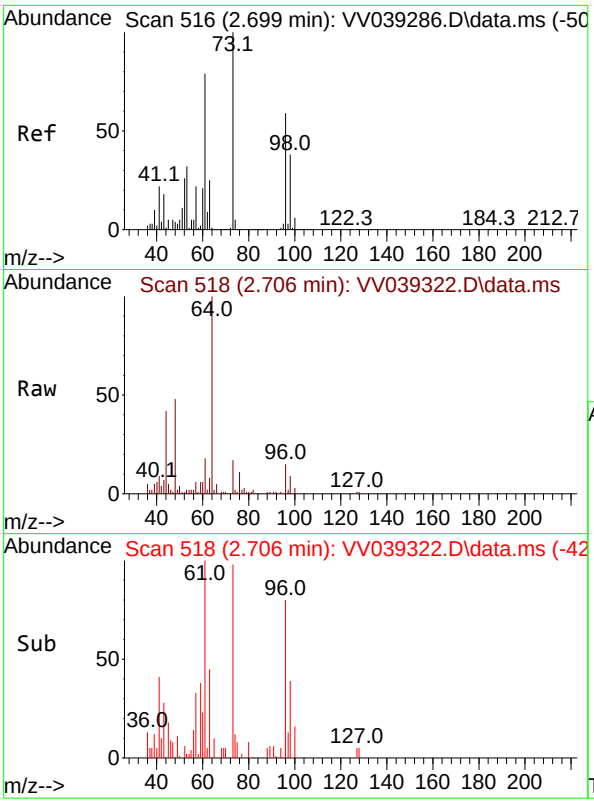


#17
Carbon Disulfide
Concen: 0.743 ug/l
RT: 2.259 min Scan# 379
Delta R.T. 0.007 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 76 Resp: 25913

Ion	Ratio	Lower	Upper
76	100		
78	12.0	7.4	11.0#



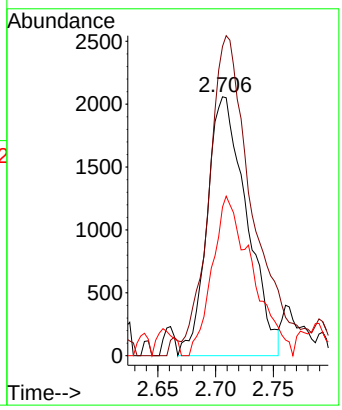


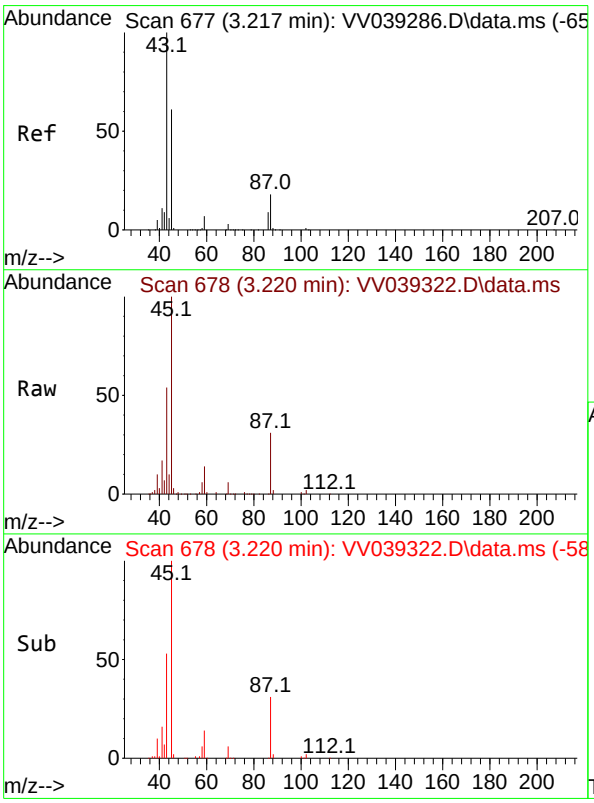
#21
trans-1,2-Dichloroethene
Concen: 0.377 ug/l
RT: 2.706 min Scan# 5
Delta R.T. 0.007 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Tgt Ion: 96 Resp: 4905

Ion	Ratio	Lower	Upper
96	100		
61	113.8	106.8	160.2
98	51.8	51.1	76.7

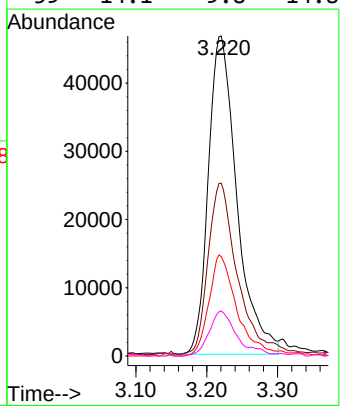


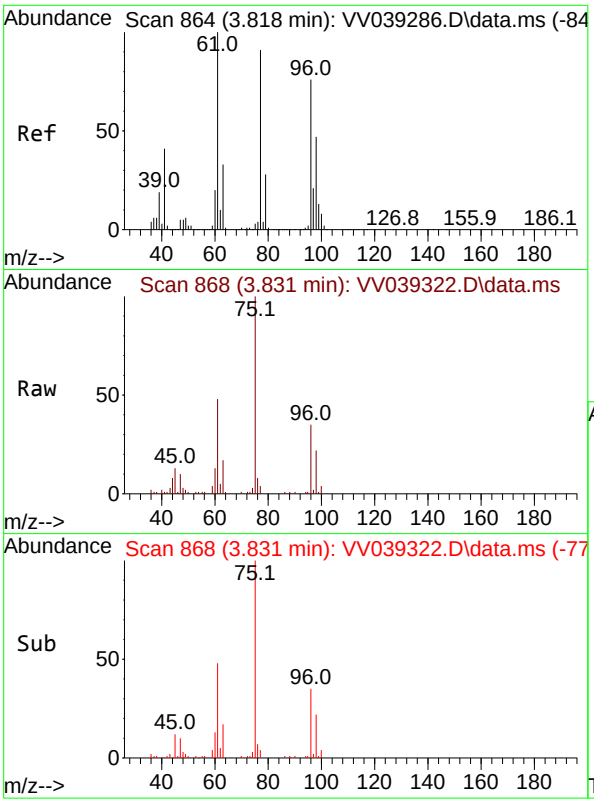


#22
Diisopropyl ether
Concen: 3.721 ug/l
RT: 3.220 min Scan# 678
Delta R.T. 0.003 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 45 Resp: 130825

Ion	Ratio	Lower	Upper
45	100		
43	53.7	130.8	196.2#
87	31.2	23.8	35.8
59	14.1	9.8	14.8



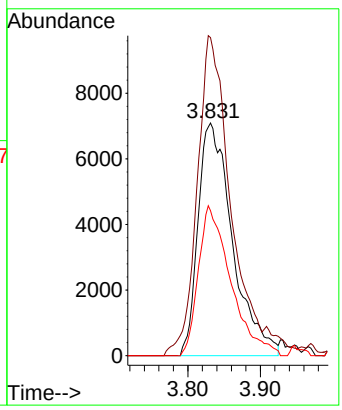


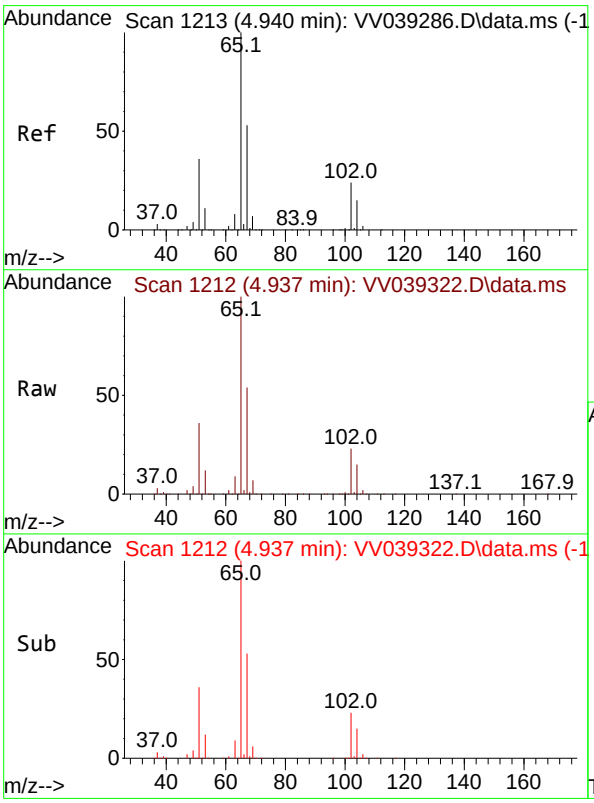
#27
cis-1,2-Dichloroethene
Concen: 1.797 ug/l
RT: 3.831 min Scan# 8
Delta R.T. 0.013 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Tgt Ion: 96 Resp: 23404

Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	275.0
98	60.5	0.0	127.8

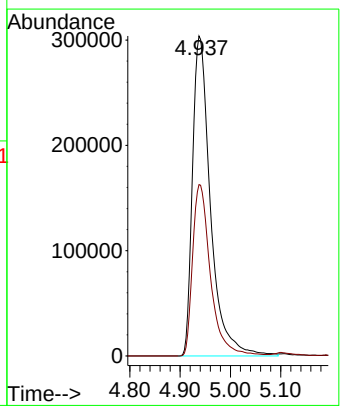


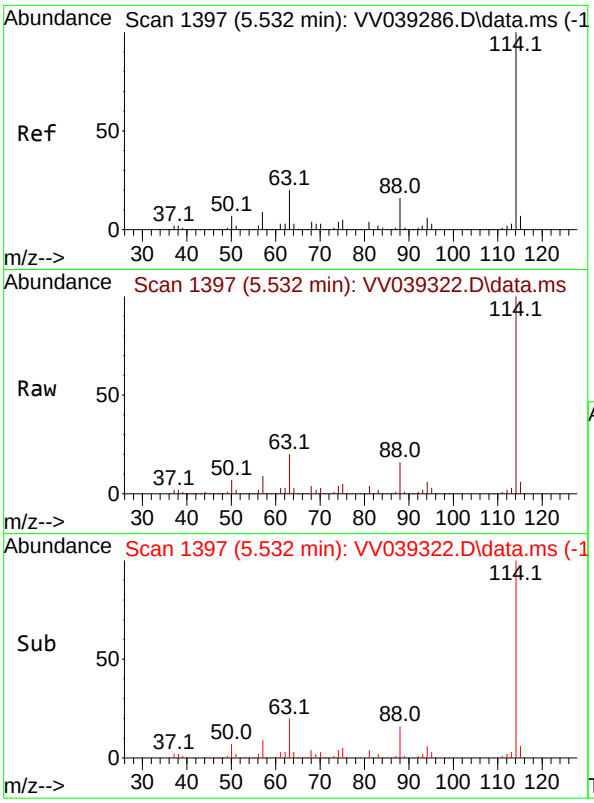


#33
1,2-Dichloroethane-d4
Concen: 58.028 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.003 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 65 Resp: 755450

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.4



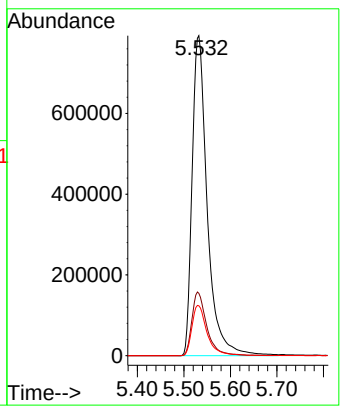


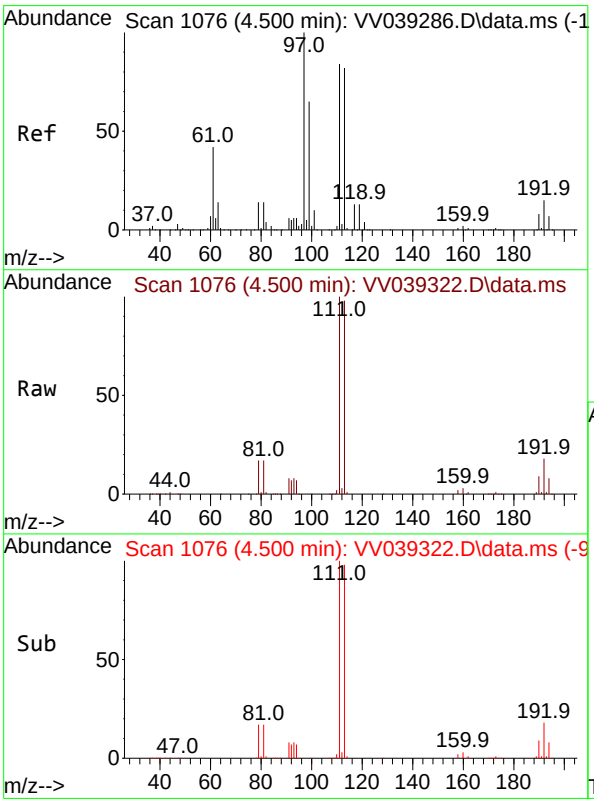
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Tgt Ion:114 Resp: 1787762

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.6
88	15.6	0.0	31.6

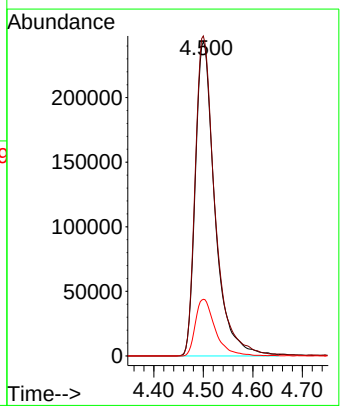


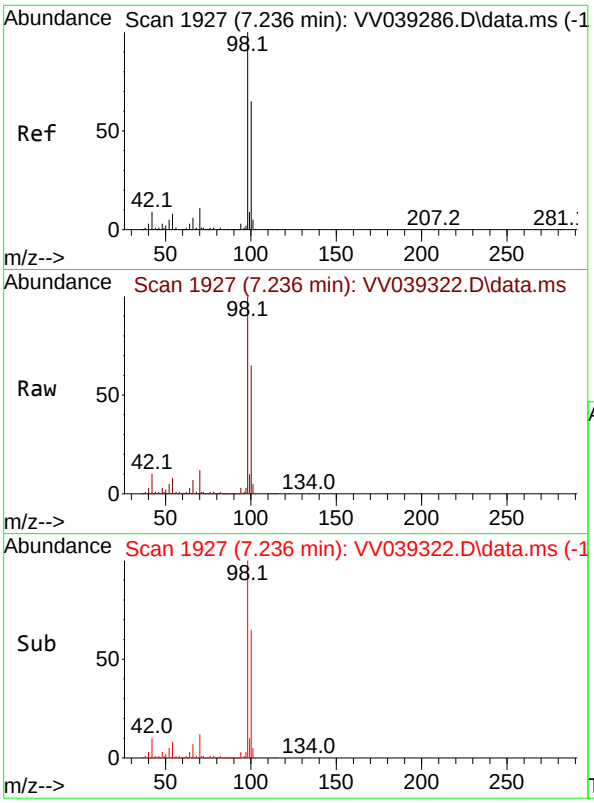


#35
Dibromofluoromethane
Concen: 47.438 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion:113 Resp: 668222

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	18.3	14.3	21.5



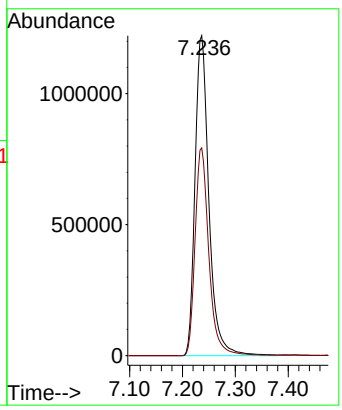


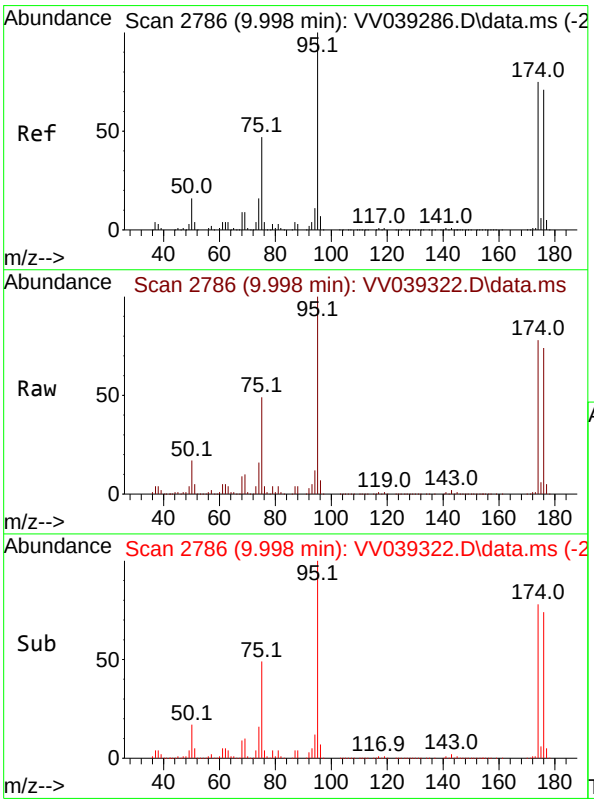
#50
Toluene-d8
Concen: 46.448 ug/l
RT: 7.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Tgt Ion: 98 Resp: 2225824

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.8	79.2

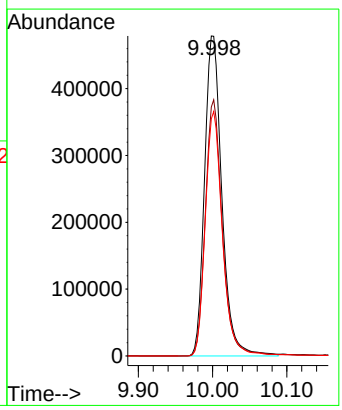


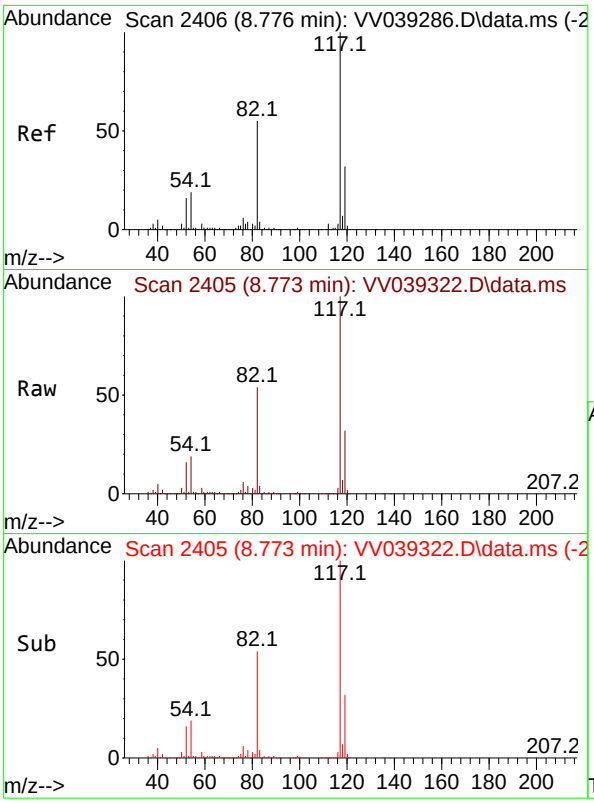


#62
4-Bromofluorobenzene
Concen: 45.470 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 95 Resp: 776019

Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	153.6
176	75.5	0.0	146.0



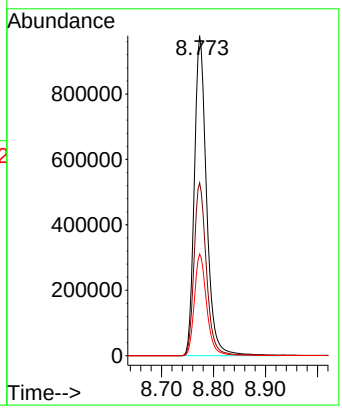


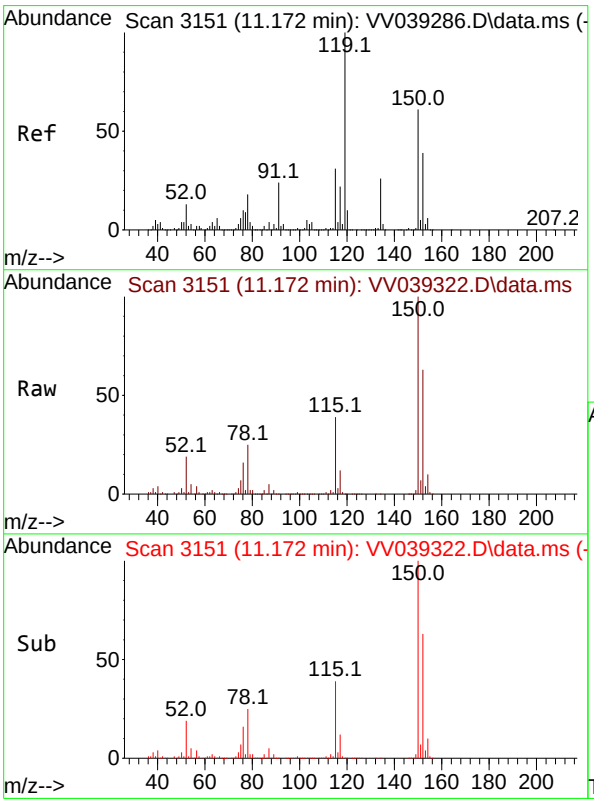
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Tgt Ion:117 Resp: 1600815

Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.8	65.8
119	31.8	25.8	38.6

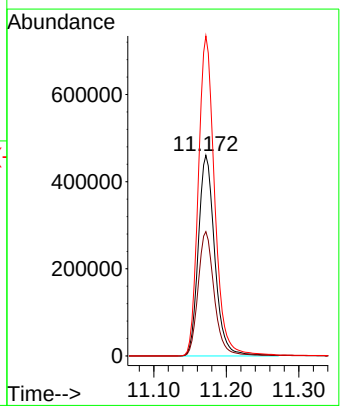




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion:152 Resp: 725582

Ion	Ratio	Lower	Upper
152	100		
115	61.1	42.3	126.8
150	158.4	0.0	348.0



Sample Results: **VV039322.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-1

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039322.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.124	21	26	37	rVB2	97003	131126	1.58%	0.315%
2	1.204	38	51	83	rBV	2800451	8314774	100.00%	19.952%
3	1.918	264	273	294	rBV	660447	1111835	13.37%	2.668%
4	2.561	463	473	499	rBV2	205814	471318	5.67%	1.131%
5	3.220	665	678	703	rVB2	120357	316936	3.81%	0.760%
6	3.825	841	866	892	rBV3	68394	277660	3.34%	0.666%
7	4.500	1058	1076	1094	rBV	786463	2079209	25.01%	4.989%
8	4.600	1095	1107	1141	rVB	1028696	2776192	33.39%	6.662%
9	4.937	1200	1212	1242	rBV	844812	2073532	24.94%	4.976%
10	5.105	1252	1264	1303	rBV	443065	1173985	14.12%	2.817%
11	5.529	1381	1396	1452	rBV	1809209	4124598	49.61%	9.897%
12	6.291	1624	1633	1665	rVB2	53862	132143	1.59%	0.317%
13	7.236	1911	1927	1970	rBV	3129475	5767042	69.36%	13.838%
14	8.773	2390	2405	2425	rBV	2823249	4658047	56.02%	11.177%
15	8.863	2426	2433	2458	rVB2	86137	181235	2.18%	0.435%
16	10.001	2775	2787	2815	rBV	2291995	3722039	44.76%	8.931%
17	11.172	3135	3151	3190	rBV	2748700	4363026	52.47%	10.469%

Sum of corrected areas: 41674697

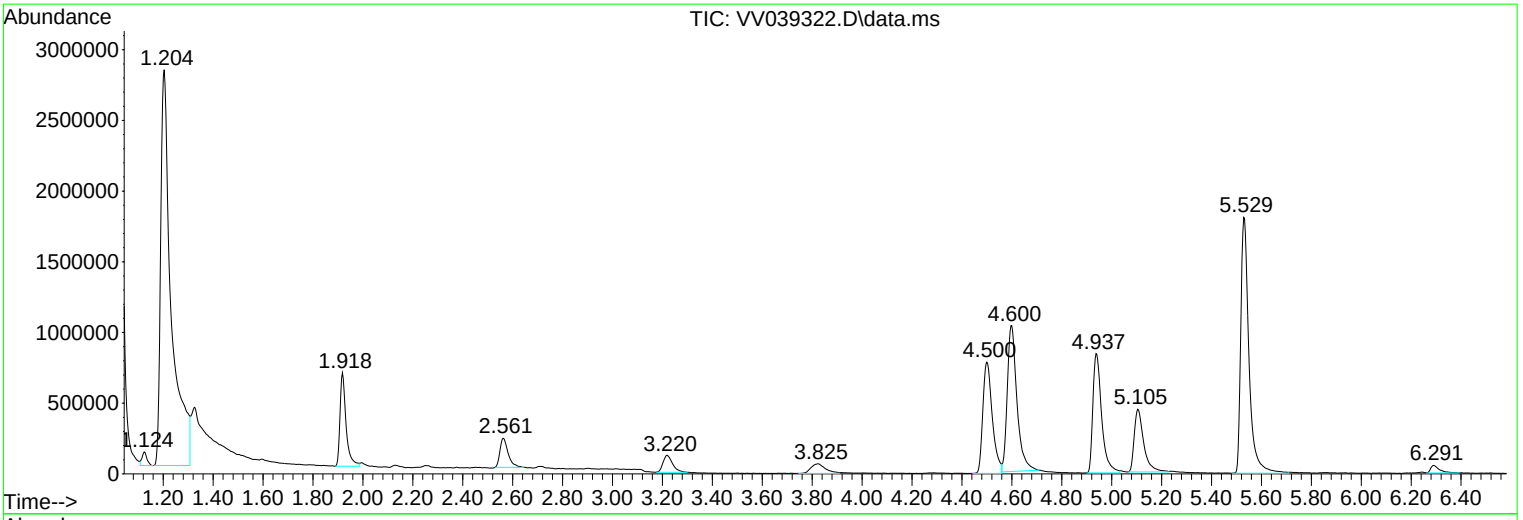
Sample Results: **VV039322.D**

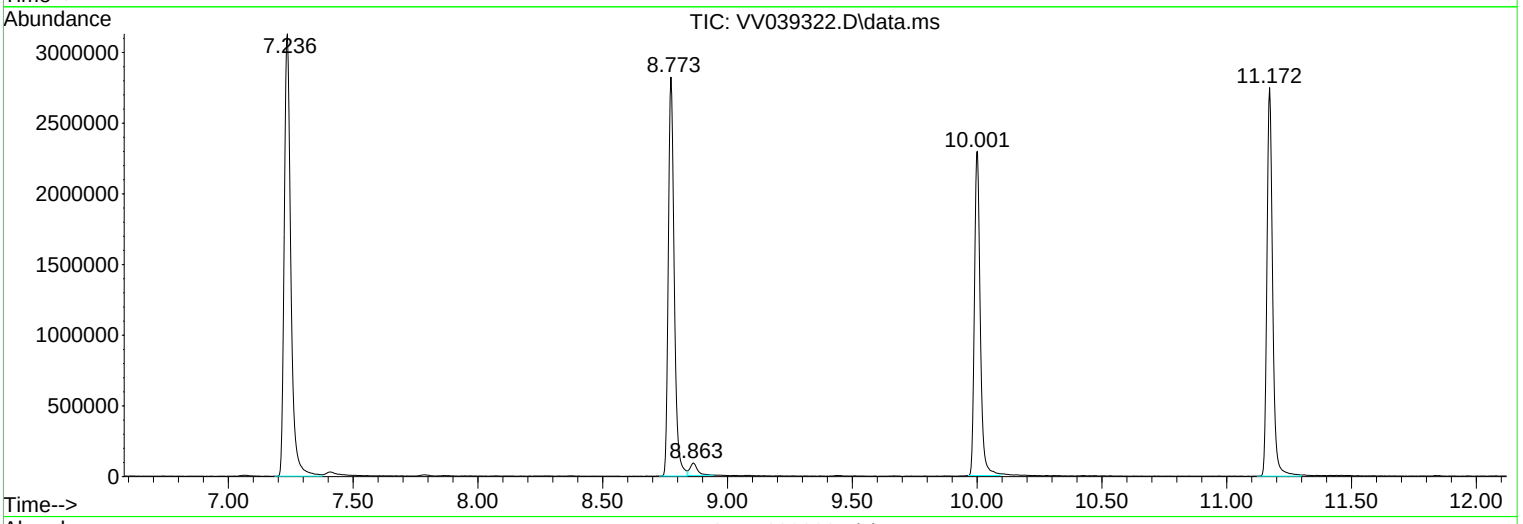
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

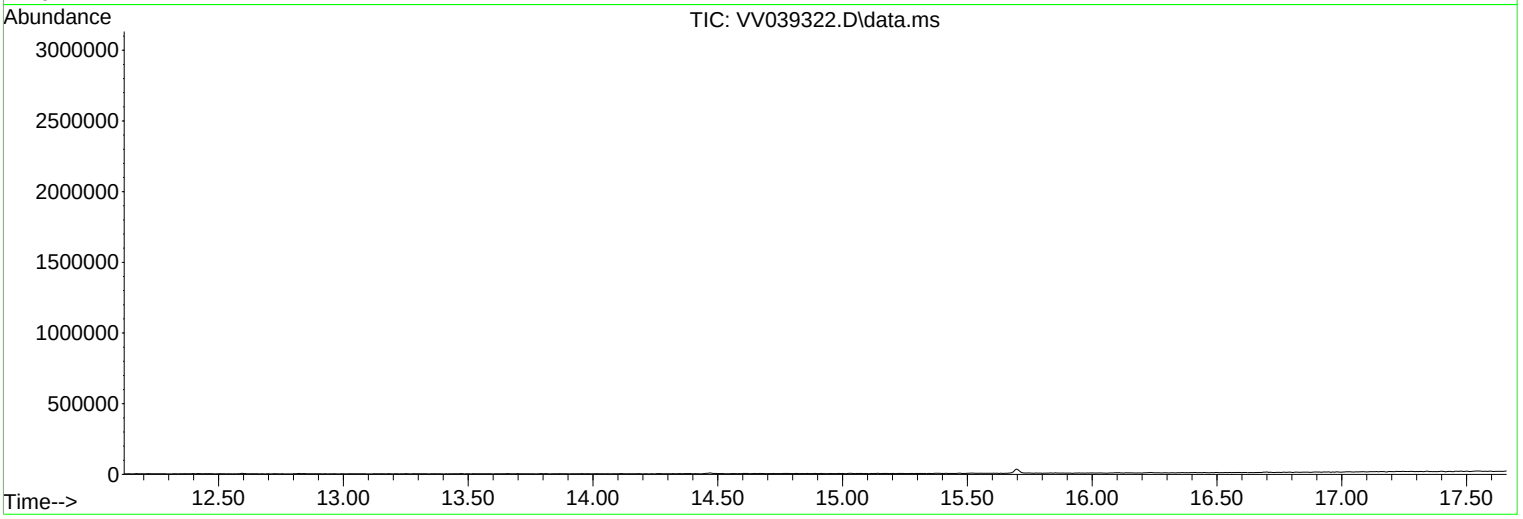
Instrument :
MSVOA_V
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VV039322.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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: **VV039333.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-11	SDG No.:	Q3534
Lab Sample ID:	Q3534-03	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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	11/05/25 13:54	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 13:54	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 13:54	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 13:54	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 13:54	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 13:54	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 13:54	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 13:54	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 13:54	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 13:54	VV110525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/05/25 13:54	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 13:54	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 13:54	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 13:54	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 13:54	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 13:54	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 13:54	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 13:54	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 13:54	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 13:54	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 13:54	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 13:54	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 13:54	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 13:54	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 13:54	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 13:54	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 13:54	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 13:54	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 13:54	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 13:54	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 13:54	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 13:54	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 13:54	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 13:54	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 13:54	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 13:54	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 13:54	VV110525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 13:54	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 13:54	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 13:54	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 13:54	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 13:54	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 13:54	VV110525

Raw Data: **VV039333.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-11	SDG No.:	Q3534
Lab Sample ID:	Q3534-03	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 13:54	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 13:54	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 13:54	VV110525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/05/25 13:54	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 13:54	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 13:54	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 13:54	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 13:54	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.8			70 (74) - 130 (125)	110%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.0			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	44.5			70 (86) - 130 (113)	89%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.7			70 (77) - 130 (121)	83%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	938000							
540-36-3	1,4-Difluorobenzene	1740000							
3114-55-4	Chlorobenzene-d5	1590000							
3855-82-1	1,4-Dichlorobenzene-d4	694000							

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_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Quant Time: Nov 06 00:14:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

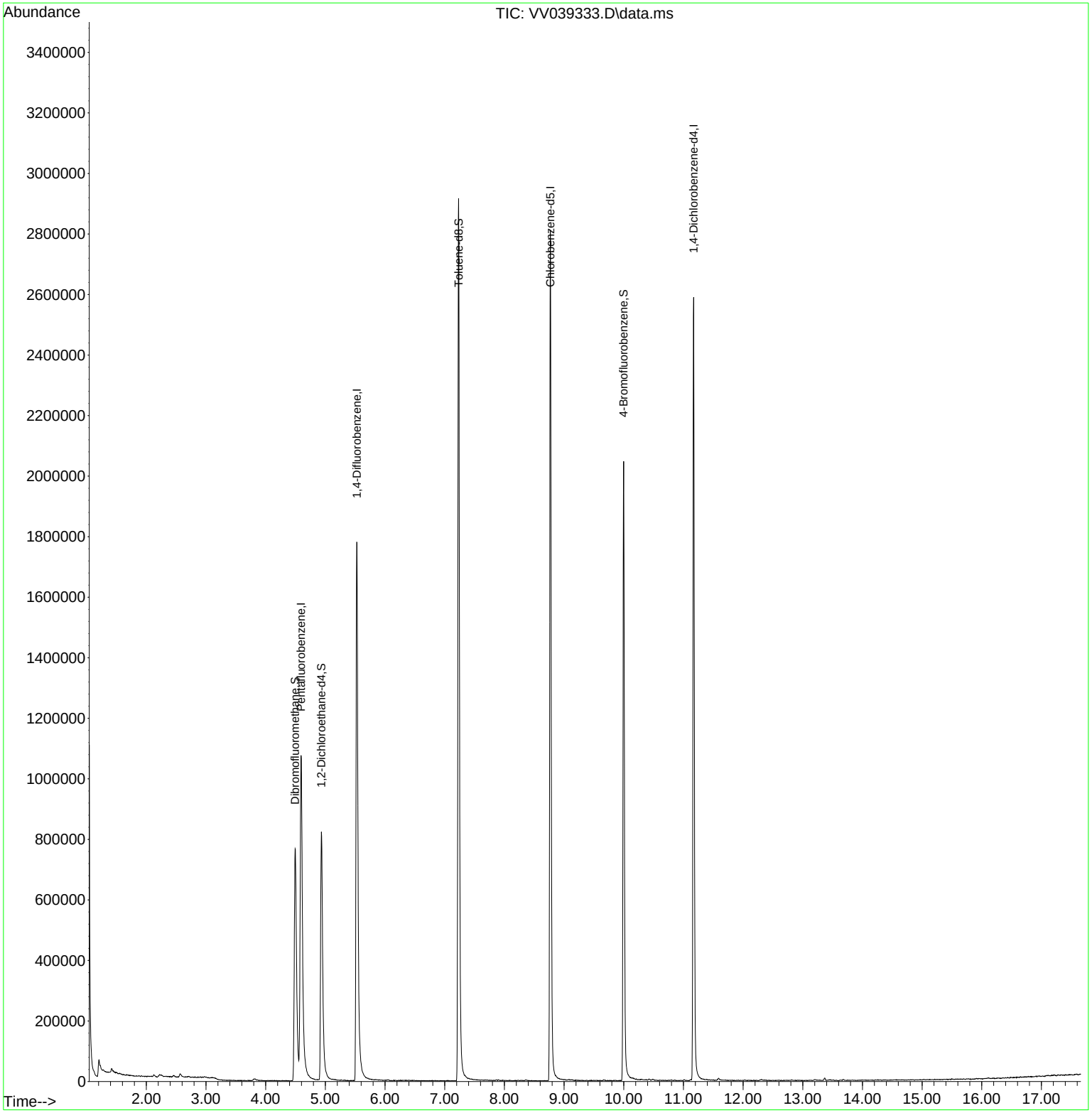
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.593	168	938043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1744872	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.770	117	1594094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	693574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	730166	54.780	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.560%			
35) Dibromofluoromethane	4.494	113	646489	47.023	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 94.040%			
50) Toluene-d8	7.233	98	2079730	44.466	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 88.940%#			
62) 4-Bromofluorobenzene	9.998	95	694449	41.691	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 83.380%#			
Target Compounds						Qvalue

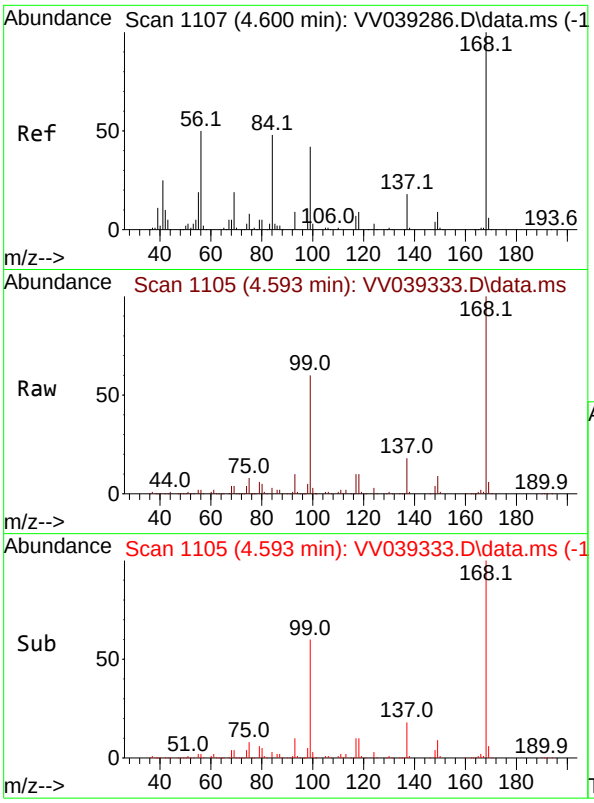
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Quant Time: Nov 06 00:14:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



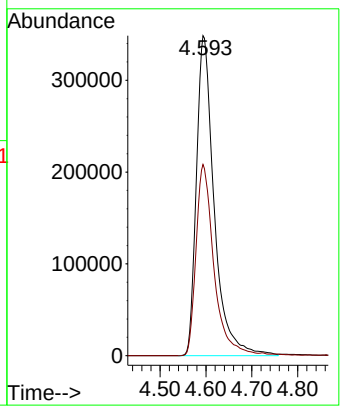


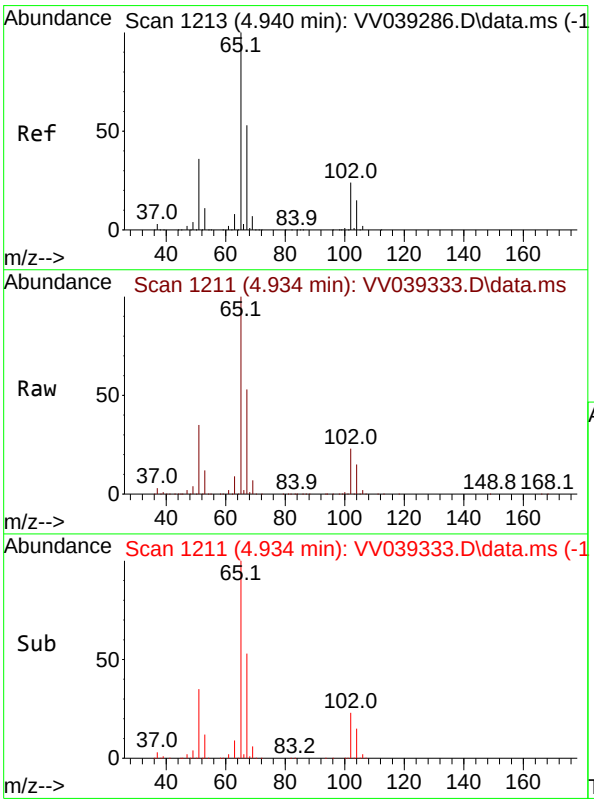
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.593 min Scan# 11
Delta R.T. -0.007 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Tgt Ion:168 Resp: 938043

Ion	Ratio	Lower	Upper
168	100		
99	59.8	46.6	70.0

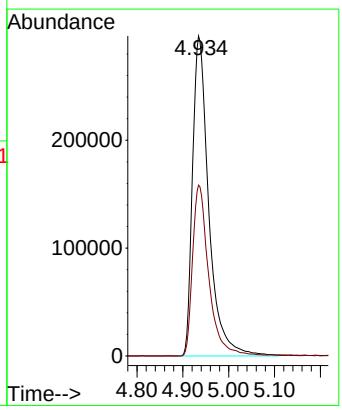


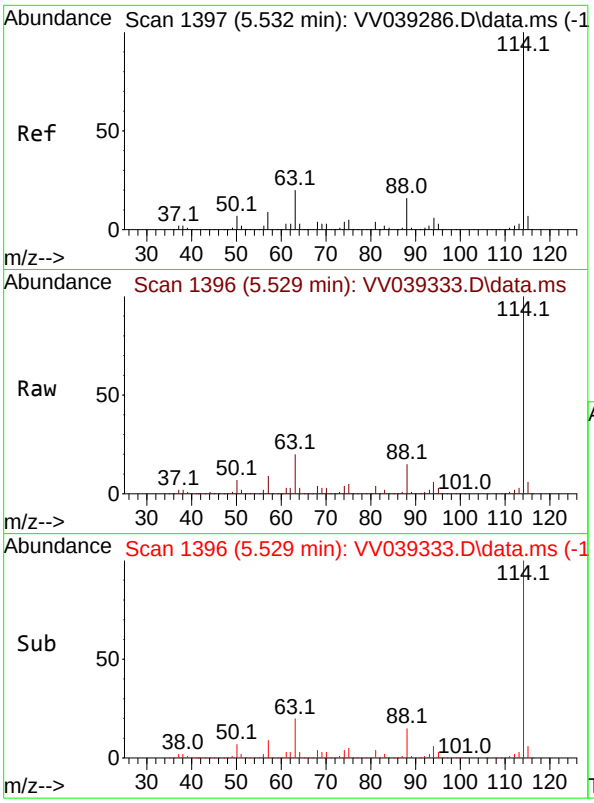


#33
1,2-Dichloroethane-d4
Concen: 54.780 ug/l
RT: 4.934 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Tgt Ion: 65 Resp: 730166

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.4



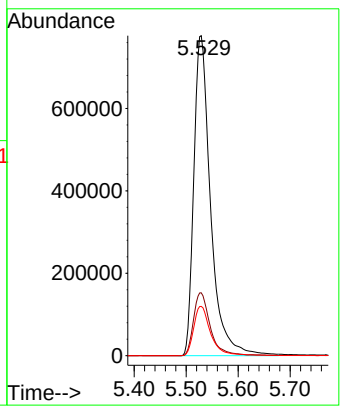


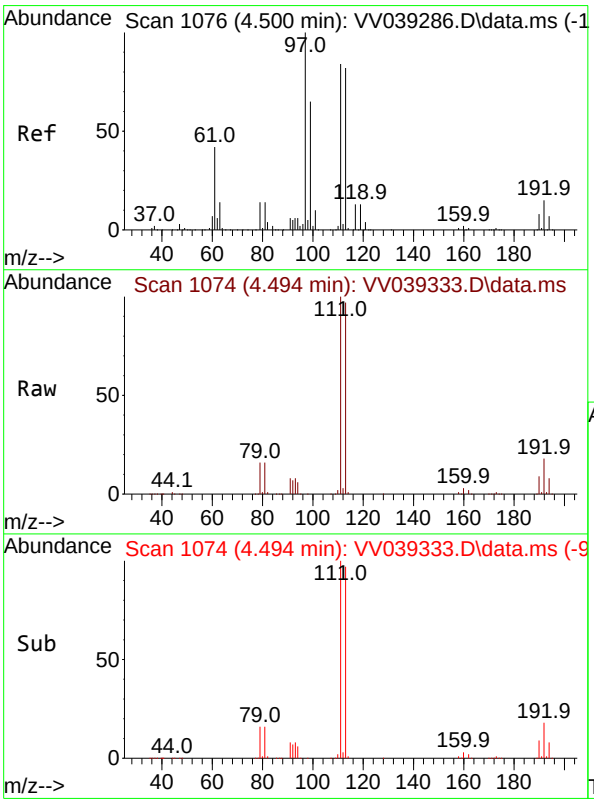
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Tgt Ion:114 Resp: 1744872

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.4	0.0	31.6

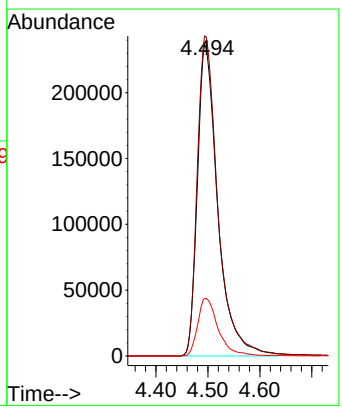


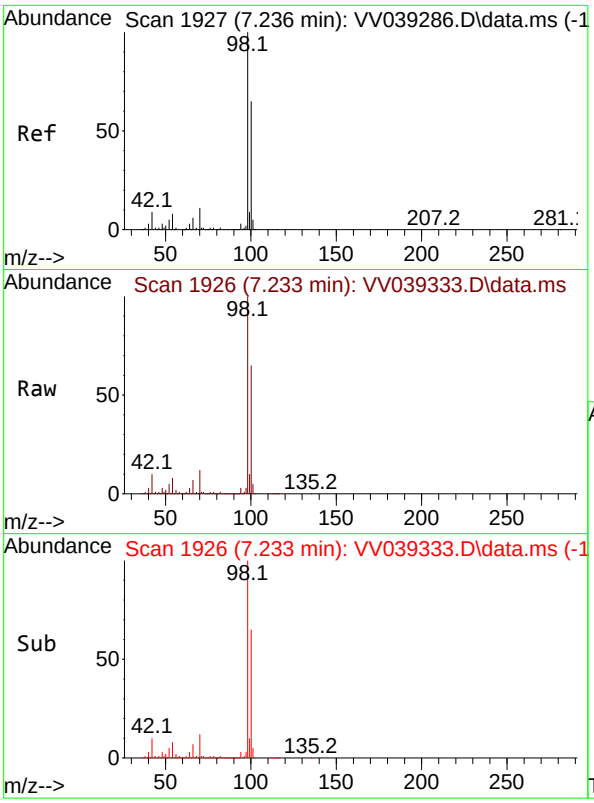


#35
Dibromofluoromethane
Concen: 47.023 ug/l
RT: 4.494 min Scan# 1074
Delta R.T. -0.006 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Tgt Ion:113 Resp: 646489

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.0	123.0
192	18.6	14.3	21.5



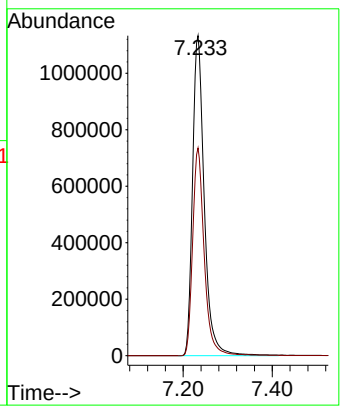


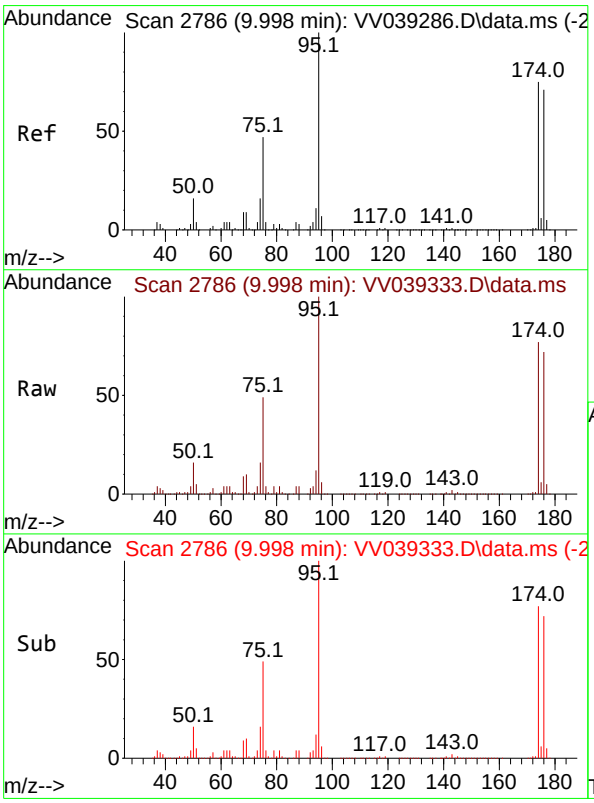
#50
Toluene-d8
Concen: 44.466 ug/l
RT: 7.233 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Tgt Ion: 98 Resp: 2079730

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.8	79.2

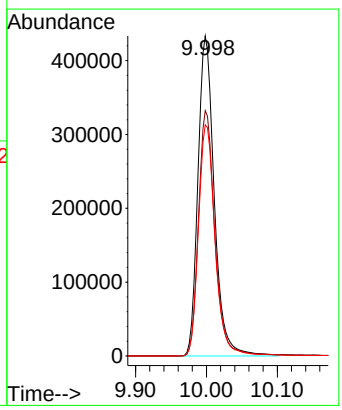


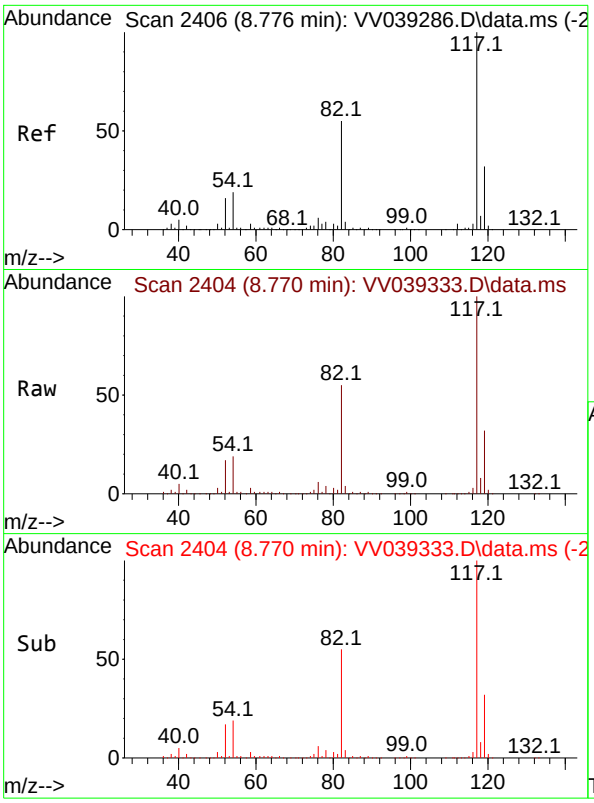


#62
4-Bromofluorobenzene
Concen: 41.691 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Tgt Ion: 95 Resp: 694449

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	153.6
176	73.6	0.0	146.0



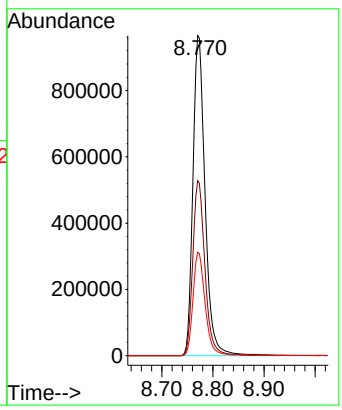


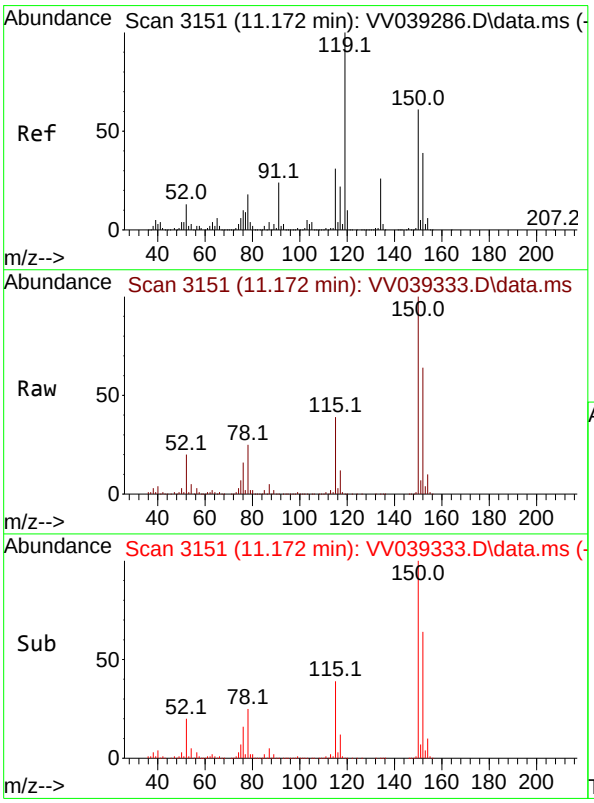
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.770 min Scan# 24
Delta R.T. -0.006 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Tgt Ion:117 Resp: 1594094

Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.8	65.8
119	32.3	25.8	38.6

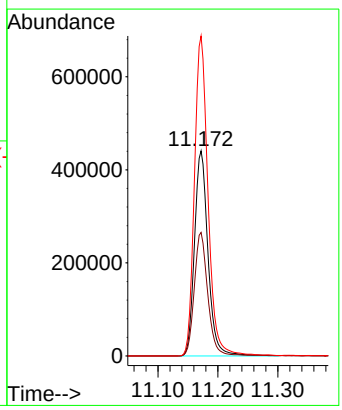




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Tgt Ion:152 Resp: 693574

Ion	Ratio	Lower	Upper
152	100		
115	60.3	42.3	126.8
150	156.5	0.0	348.0



Sample Results: **VV039333.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039333.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.208	43	52	57	rBV	55022	93280	1.74%	0.327%
2	4.494	1057	1074	1093	rBV	766503	2021734	37.77%	7.088%
3	4.593	1093	1105	1143	rVB	1061253	2875311	53.72%	10.080%
4	4.934	1199	1211	1251	rBV	818159	2023254	37.80%	7.093%
5	5.526	1383	1395	1443	rBV	1778870	4048487	75.64%	14.193%
6	7.233	1914	1926	1958	rBV	2914285	5352326	100.00%	18.764%
7	8.770	2392	2404	2431	rBV	2810922	4666582	87.19%	16.360%
8	9.998	2775	2786	2821	rBV	2045792	3327664	62.17%	11.666%
9	11.172	3139	3151	3190	rBV	2585410	4115179	76.89%	14.427%

Sum of corrected areas: 28523817

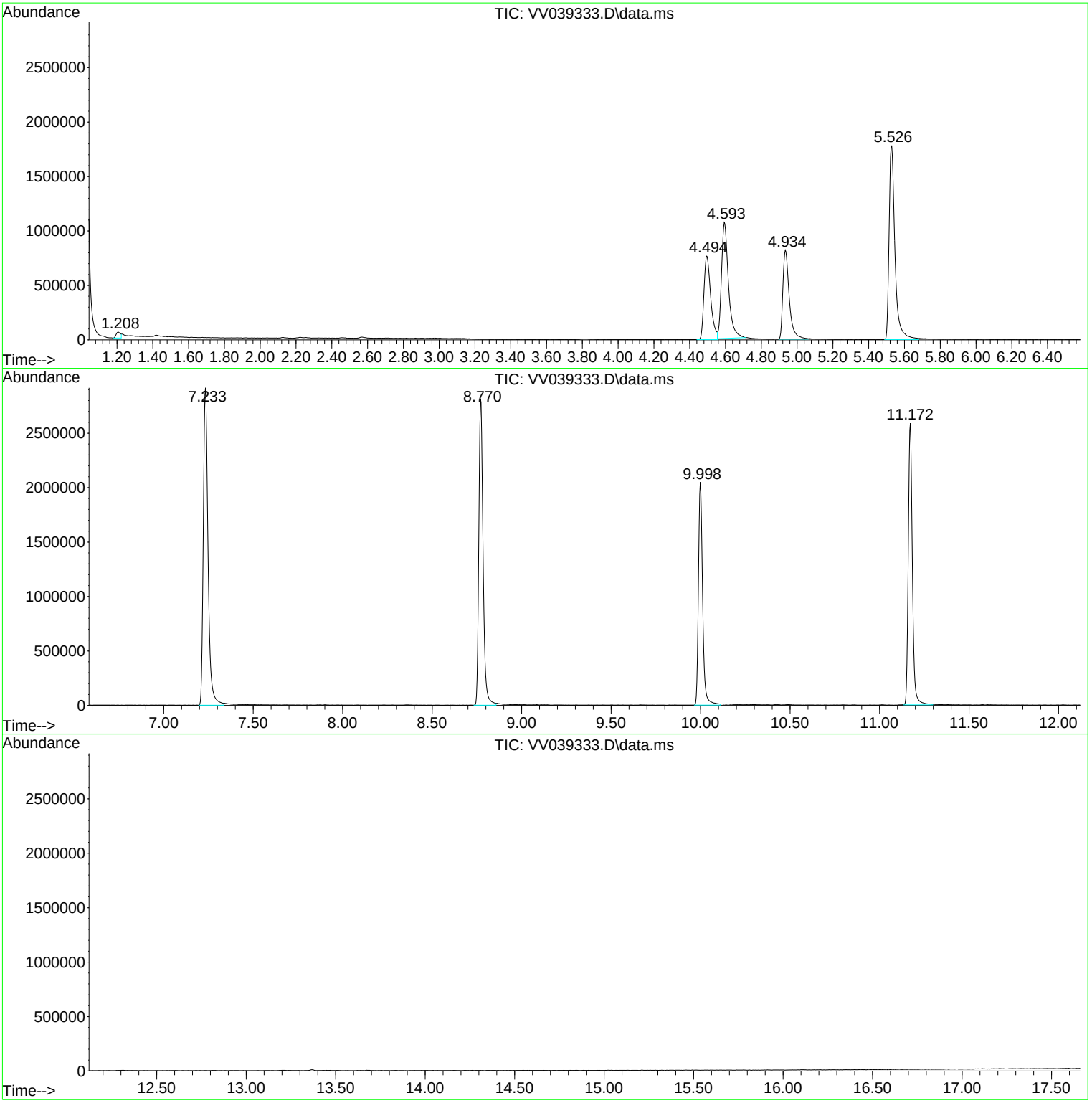
Sample Results: **VV039333.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VV039333.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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: **VV039324.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-5	SDG No.:	Q3534
Lab Sample ID:	Q3534-04	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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	11/04/25 18:54	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 18:54	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 18:54	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 18:54	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 18:54	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 18:54	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:54	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:54	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 18:54	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 18:54	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:54	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 18:54	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 18:54	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:54	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:54	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 18:54	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 18:54	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:54	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 18:54	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:54	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:54	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:54	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:54	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:54	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:54	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 18:54	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:54	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:54	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 18:54	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 18:54	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 18:54	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:54	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 18:54	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 18:54	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 18:54	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:54	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:54	VV110425
108-90-7	Chlorobenzene	0.31	J	1	0.12	1.00	ug/L	11/04/25 18:54	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 18:54	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 18:54	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 18:54	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:54	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 18:54	VV110425

Raw Data: **VV039324.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-5	SDG No.:	Q3534
Lab Sample ID:	Q3534-04	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 18:54	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 18:54	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:54	VV110425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/04/25 18:54	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:54	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 18:54	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:54	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:54	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.4			70 (74) - 130 (125)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.8			70 (75) - 130 (124)	98%	SPK: 50		
2037-26-5	Toluene-d8	46.2			70 (86) - 130 (113)	92%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.2			70 (77) - 130 (121)	92%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	876000							
540-36-3	1,4-Difluorobenzene	1650000							
3114-55-4	Chlorobenzene-d5	1570000							
3855-82-1	1,4-Dichlorobenzene-d4	732000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	1.50	J			1.92	ug/L		
109-99-9	Tetrahydrofuran	2.80	J			4.26	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

Sample Results: **VV039324.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Quant Time: Nov 05 00:41:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

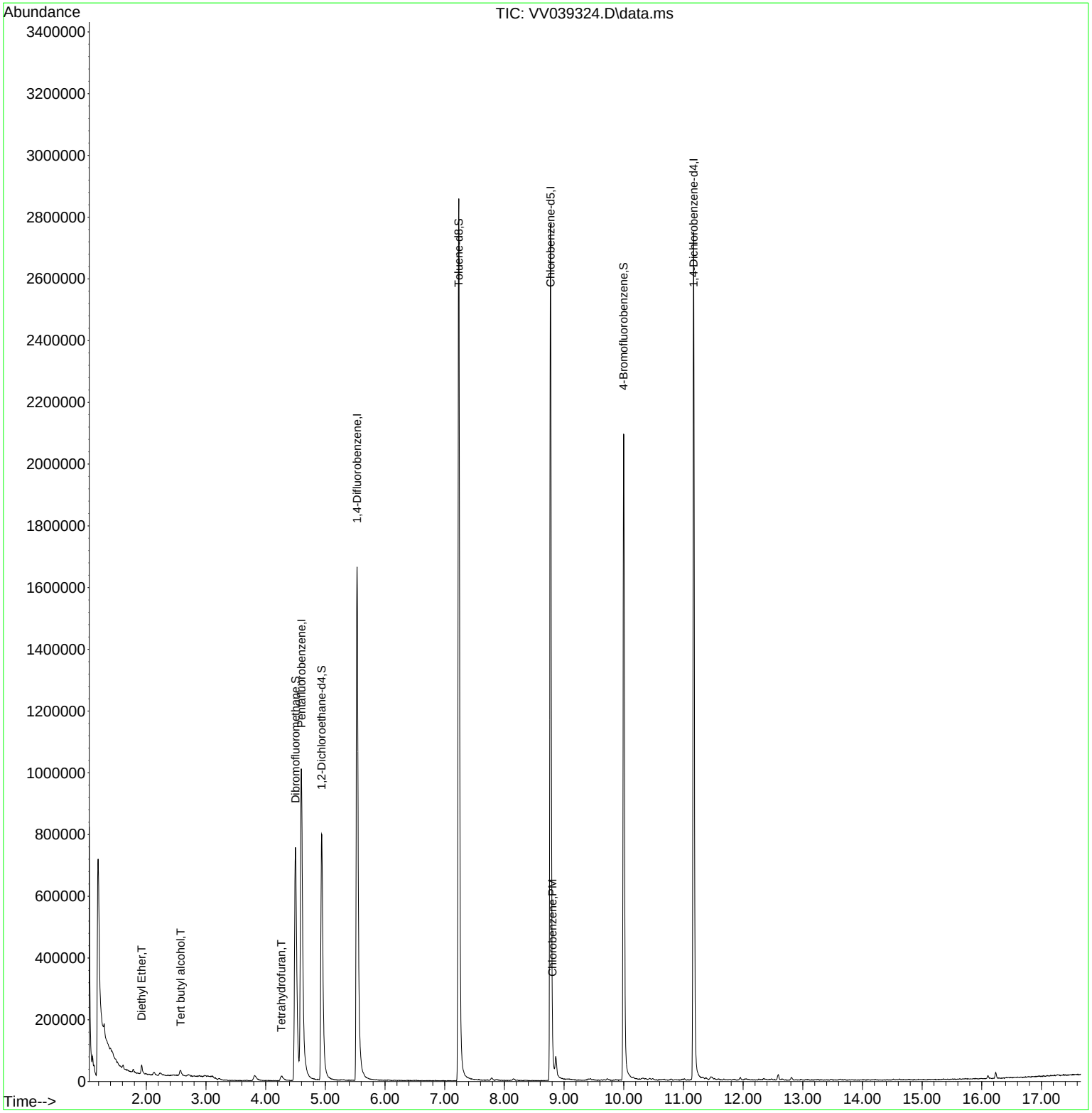
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	875532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1648833	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1570855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	731965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	714085	57.399	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 114.800%			
35) Dibromofluoromethane	4.500	113	633531	48.765	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.520%			
50) Toluene-d8	7.236	98	2040496	46.168	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.340%			
62) 4-Bromofluorobenzene	9.998	95	726818	46.176	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 92.360%			
Target Compounds						Qvalue
8) Diethyl Ether	1.921	74	11217	1.546	ug/l	96
11) Tert butyl alcohol	2.574	59	10906	4.523	ug/l #	75
29) Tetrahydrofuran	4.262	42	13566	2.789	ug/l #	60
65) Chlorobenzene	8.805	112	11439	0.308	ug/l	91

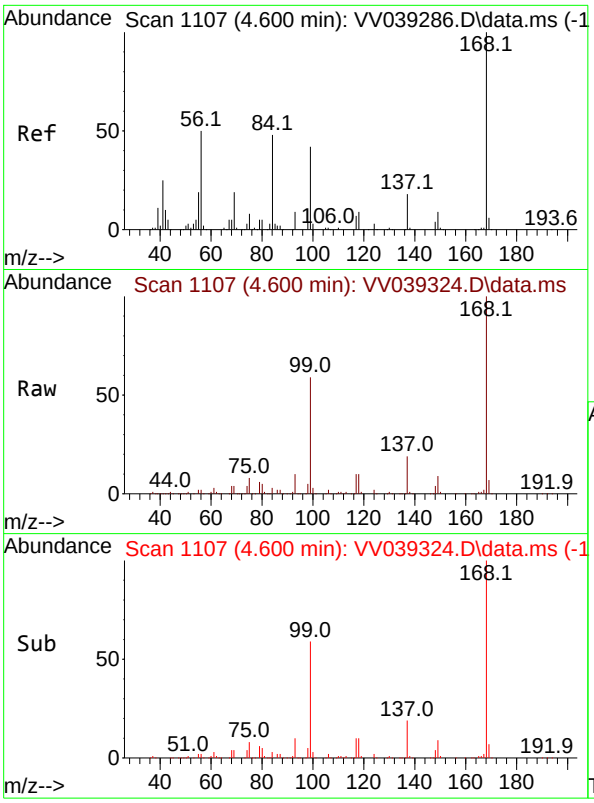
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Quant Time: Nov 05 00:41:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



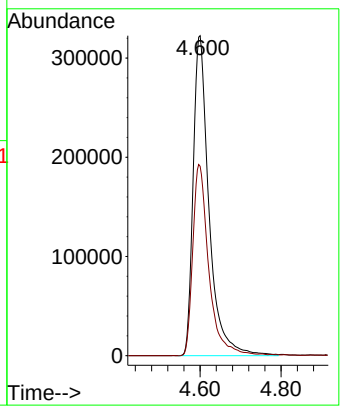


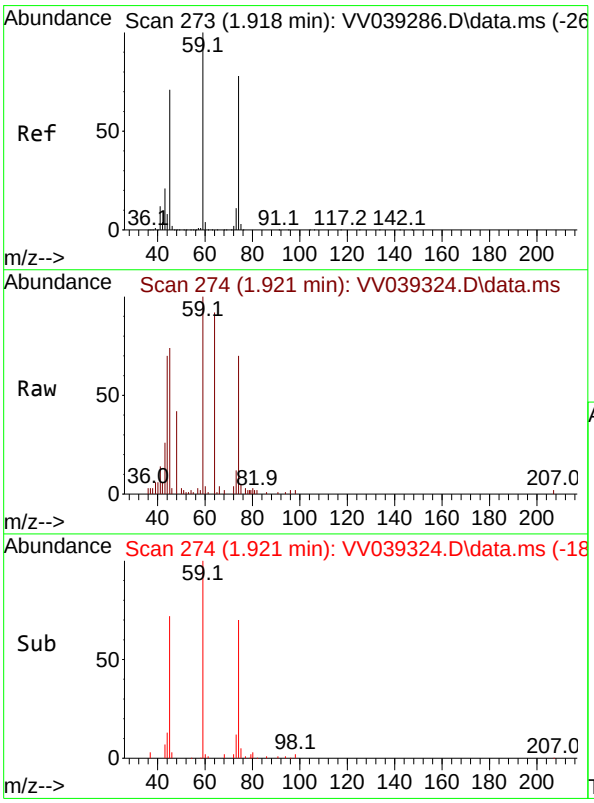
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Tgt Ion:168 Resp: 875532

Ion	Ratio	Lower	Upper
168	100		
99	59.2	46.6	70.0

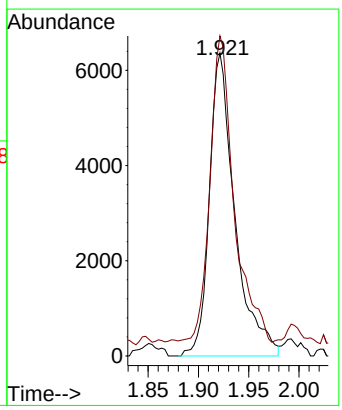


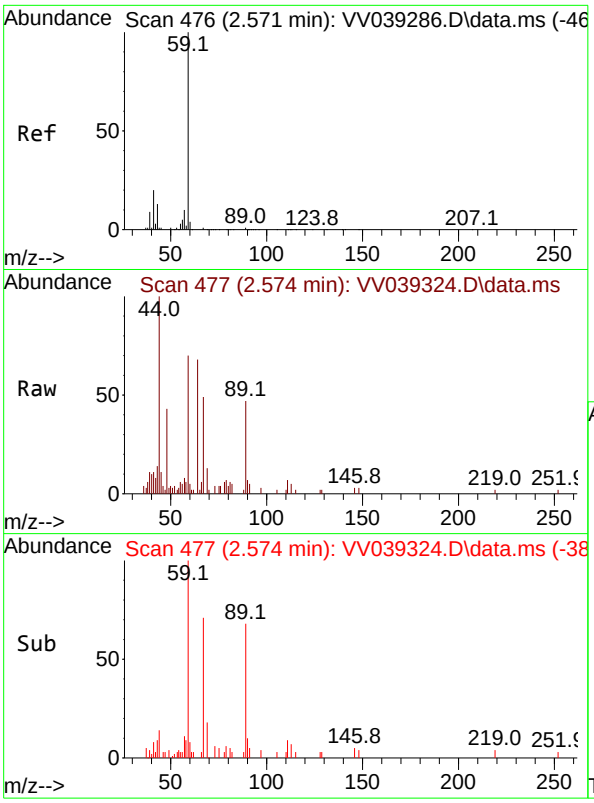


#8
Diethyl Ether
Concen: 1.546 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion: 74 Resp: 11217

Ion	Ratio	Lower	Upper
74	100		
45	95.2	45.9	137.7



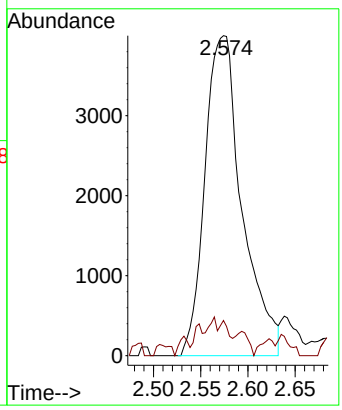


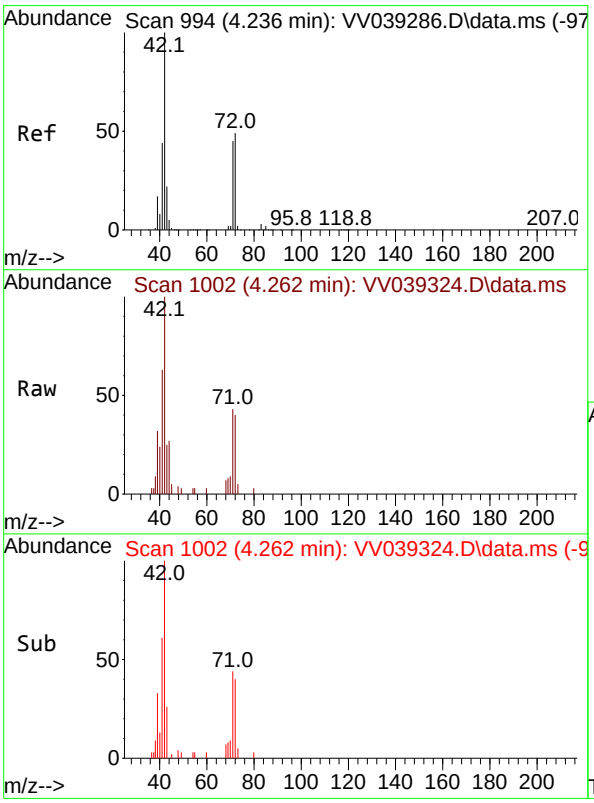
#11
Tert butyl alcohol
Concen: 4.523 ug/l
RT: 2.574 min Scan# 4
Delta R.T. 0.003 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Tgt Ion: 59 Resp: 10906

Ion	Ratio	Lower	Upper
59	100		
57	0.7	8.1	12.1#

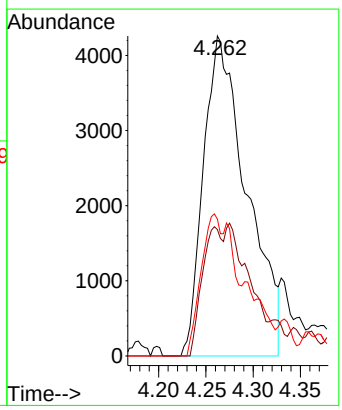


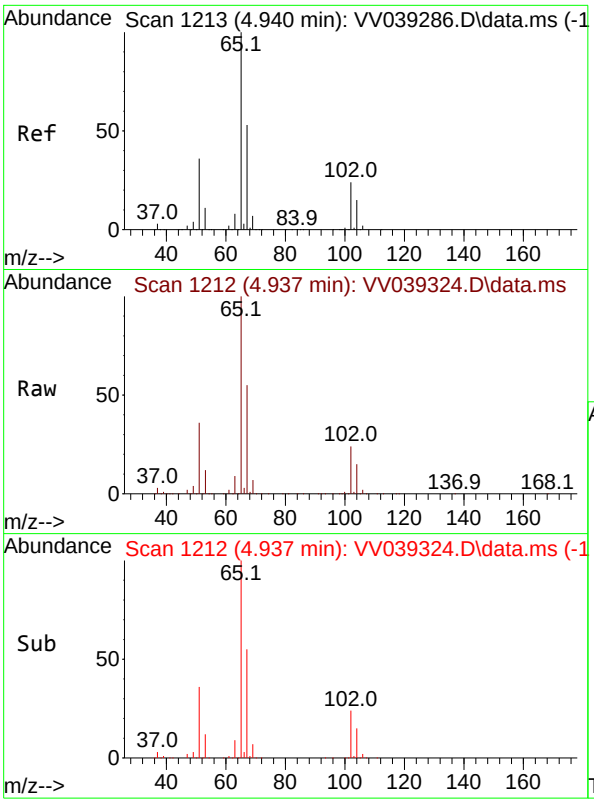


#29
Tetrahydrofuran
Concen: 2.789 ug/l
RT: 4.262 min Scan# 1002
Delta R.T. 0.026 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion: 42 Resp: 13566

Ion	Ratio	Lower	Upper
42	100		
72	19.4	39.8	59.8#
71	22.0	36.5	54.7#



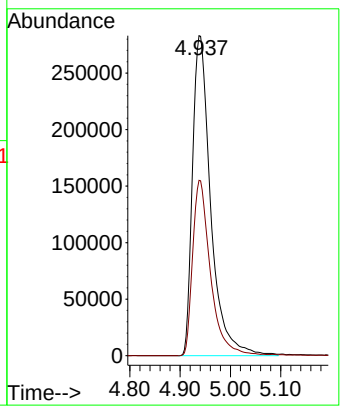


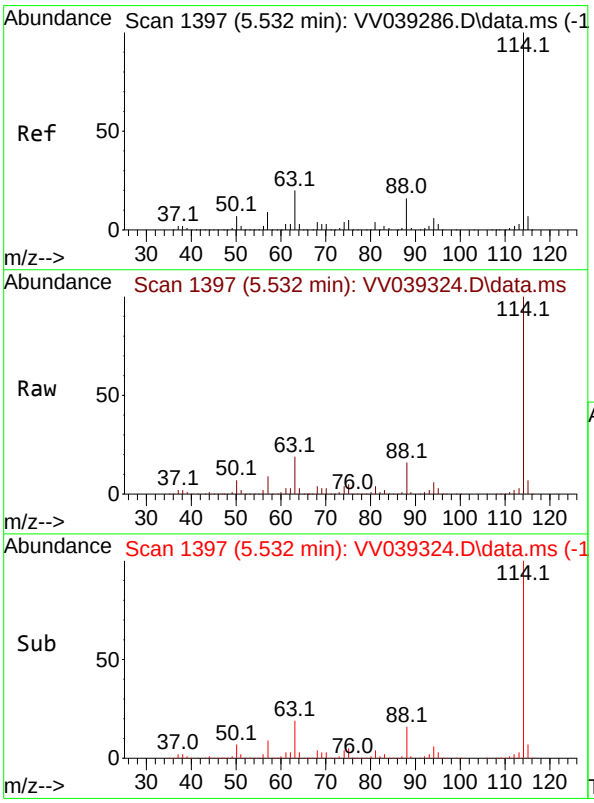
#33
1,2-Dichloroethane-d4
Concen: 57.399 ug/l
RT: 4.937 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Tgt Ion: 65 Resp: 714085

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.4

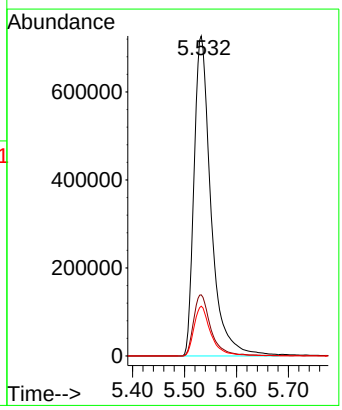


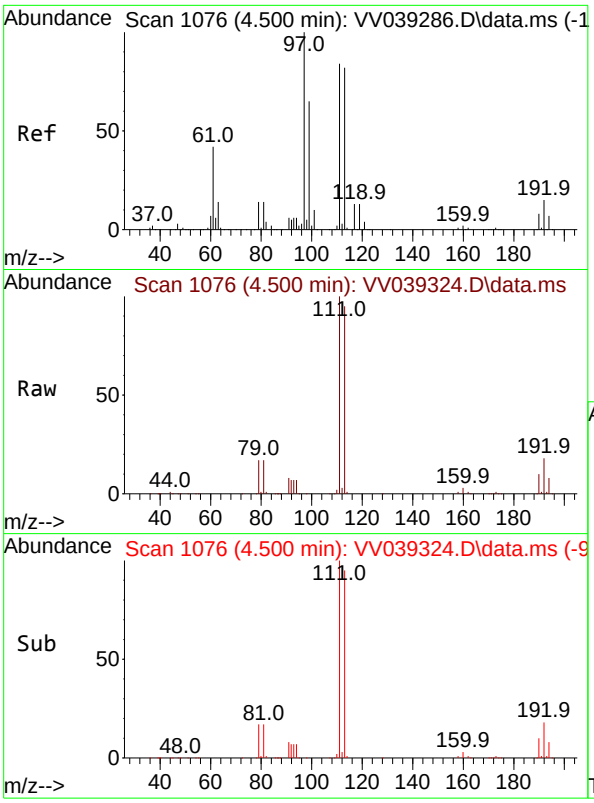


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion:114 Resp: 1648833

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.5	0.0	31.6



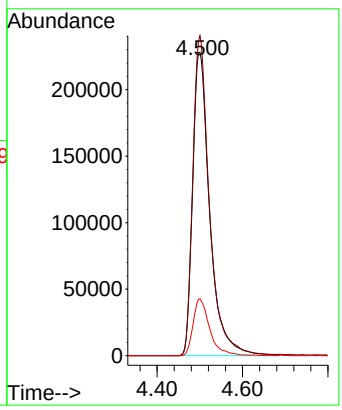


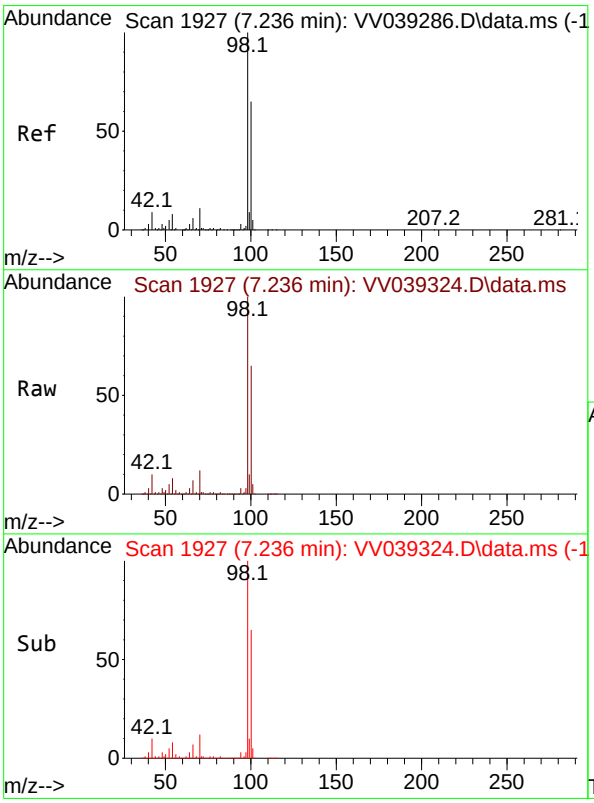
#35
Dibromofluoromethane
Concen: 48.765 ug/l
RT: 4.500 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Tgt Ion:113 Resp: 633531

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	18.2	14.3	21.5

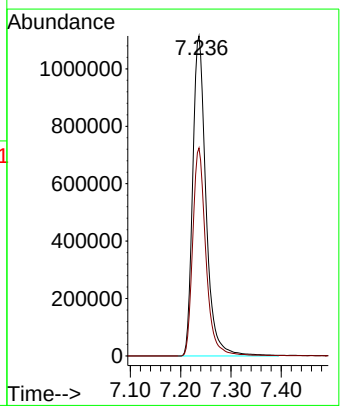


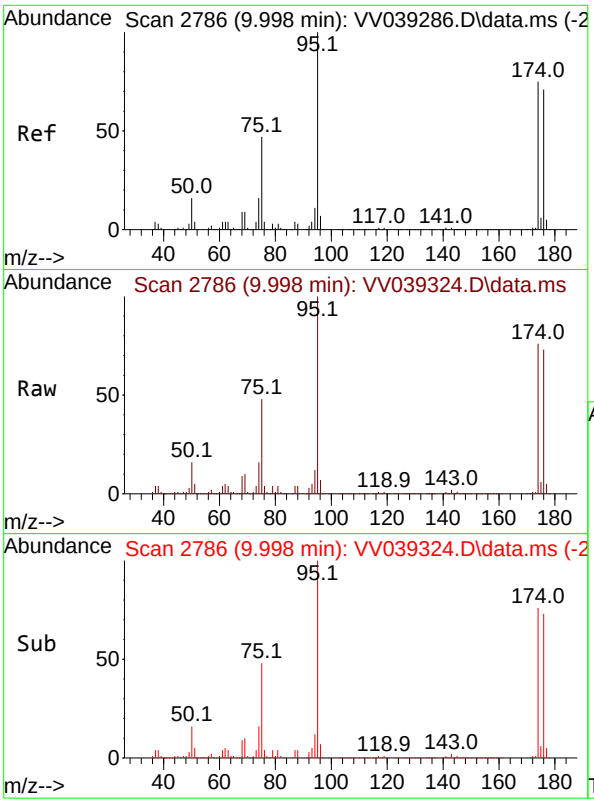


#50
Toluene-d8
Concen: 46.168 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion: 98 Resp: 2040496

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.8	79.2



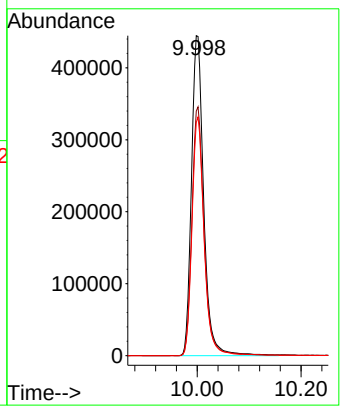


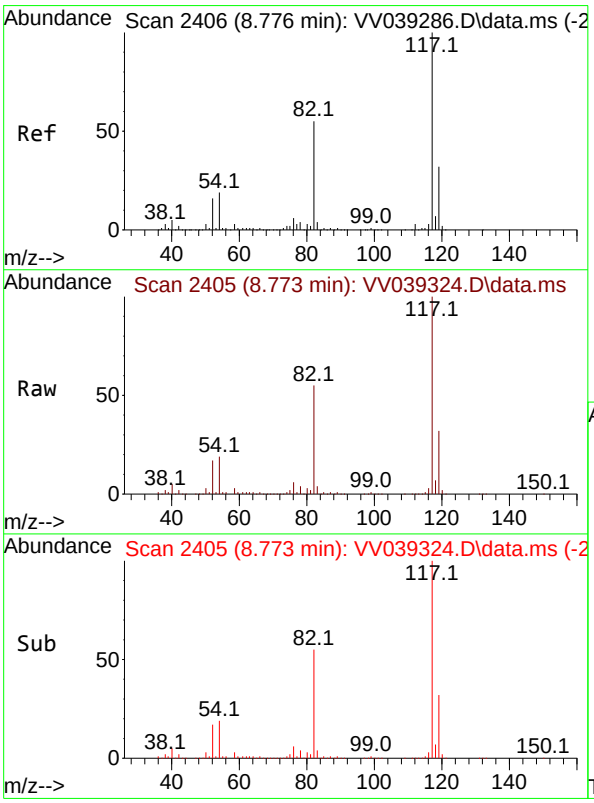
#62
4-Bromofluorobenzene
Concen: 46.176 ug/l
RT: 9.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Tgt Ion: 95 Resp: 726818

Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	153.6
176	73.3	0.0	146.0

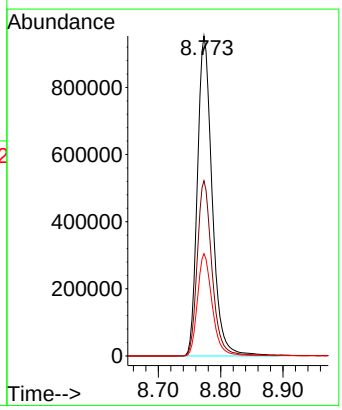


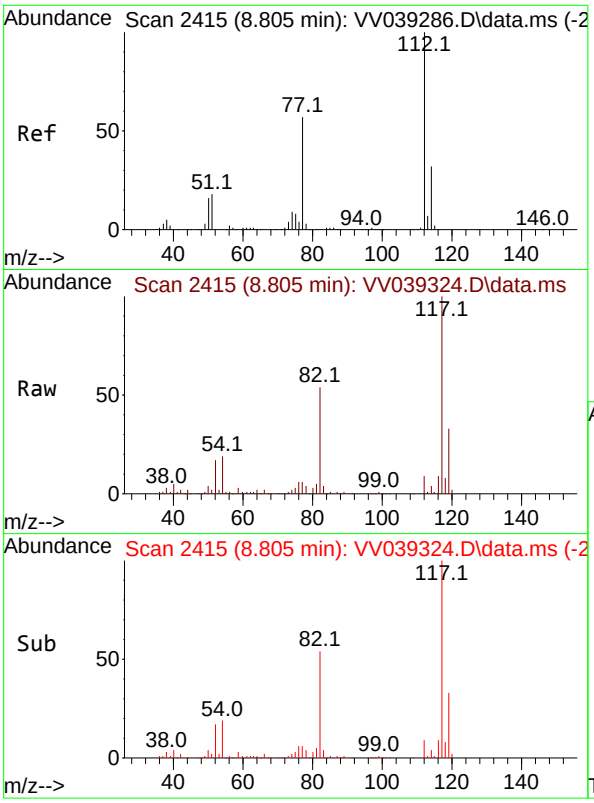


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion:117 Resp: 1570855

Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.8	65.8
119	31.9	25.8	38.6



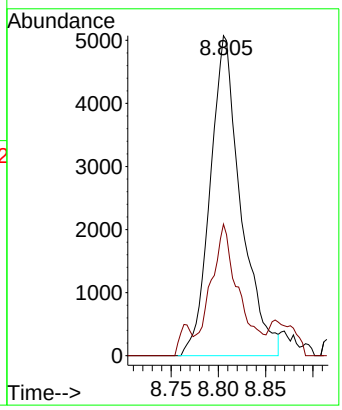


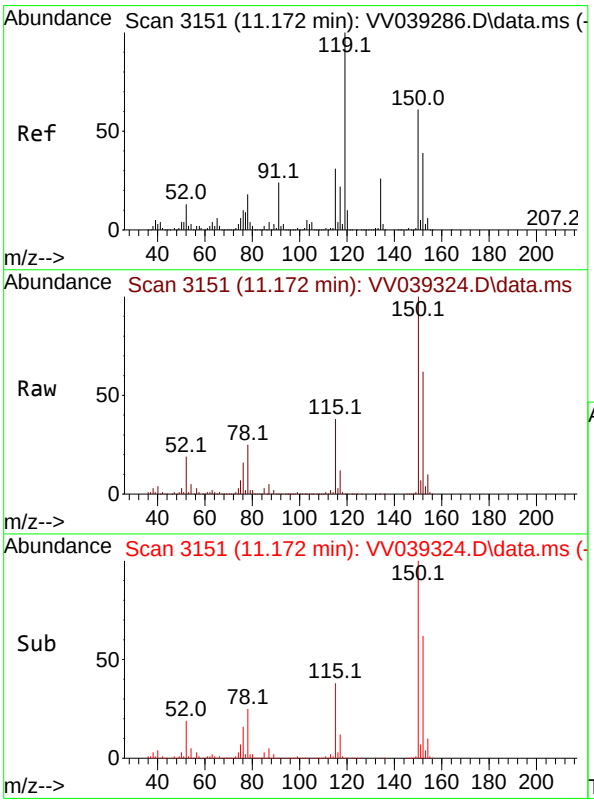
#65
Chlorobenzene
Concen: 0.308 ug/l
RT: 8.805 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Tgt Ion:112 Resp: 11439

Ion	Ratio	Lower	Upper
112	100		
114	37.1	25.7	38.5

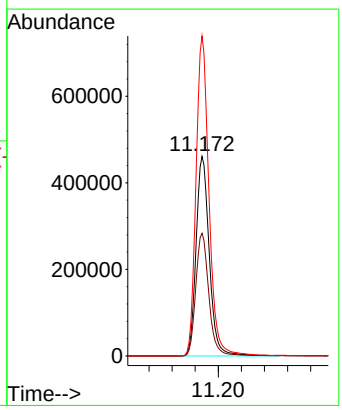




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion:152 Resp: 731965

Ion	Ratio	Lower	Upper
152	100		
115	60.8	42.3	126.8
150	157.5	0.0	348.0



LSC Area Percent Report

Sample Results: **VV039324.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039324.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.192	37	47	74	rBV	701154	2236420	42.31%	7.316%
2	4.500	1060	1076	1094	rBV	754963	1970350	37.28%	6.446%
3	4.597	1095	1106	1152	rVB	1002365	2741023	51.86%	8.967%
4	4.937	1200	1212	1248	rBV	796047	1984383	37.54%	6.492%
5	5.532	1384	1397	1444	rBV	1663208	3825176	72.37%	12.514%
6	7.236	1915	1927	1969	rBV	2857904	5285610	100.00%	17.291%
7	8.773	2394	2405	2425	rBV	2774263	4595738	86.95%	15.034%
8	8.860	2427	2432	2443	rVB3	61855	111949	2.12%	0.366%
9	9.998	2774	2786	2817	rBV	2092935	3459865	65.46%	11.318%
10	11.172	3139	3151	3187	rBV	2745914	4357833	82.45%	14.256%

Sum of corrected areas: 30568347

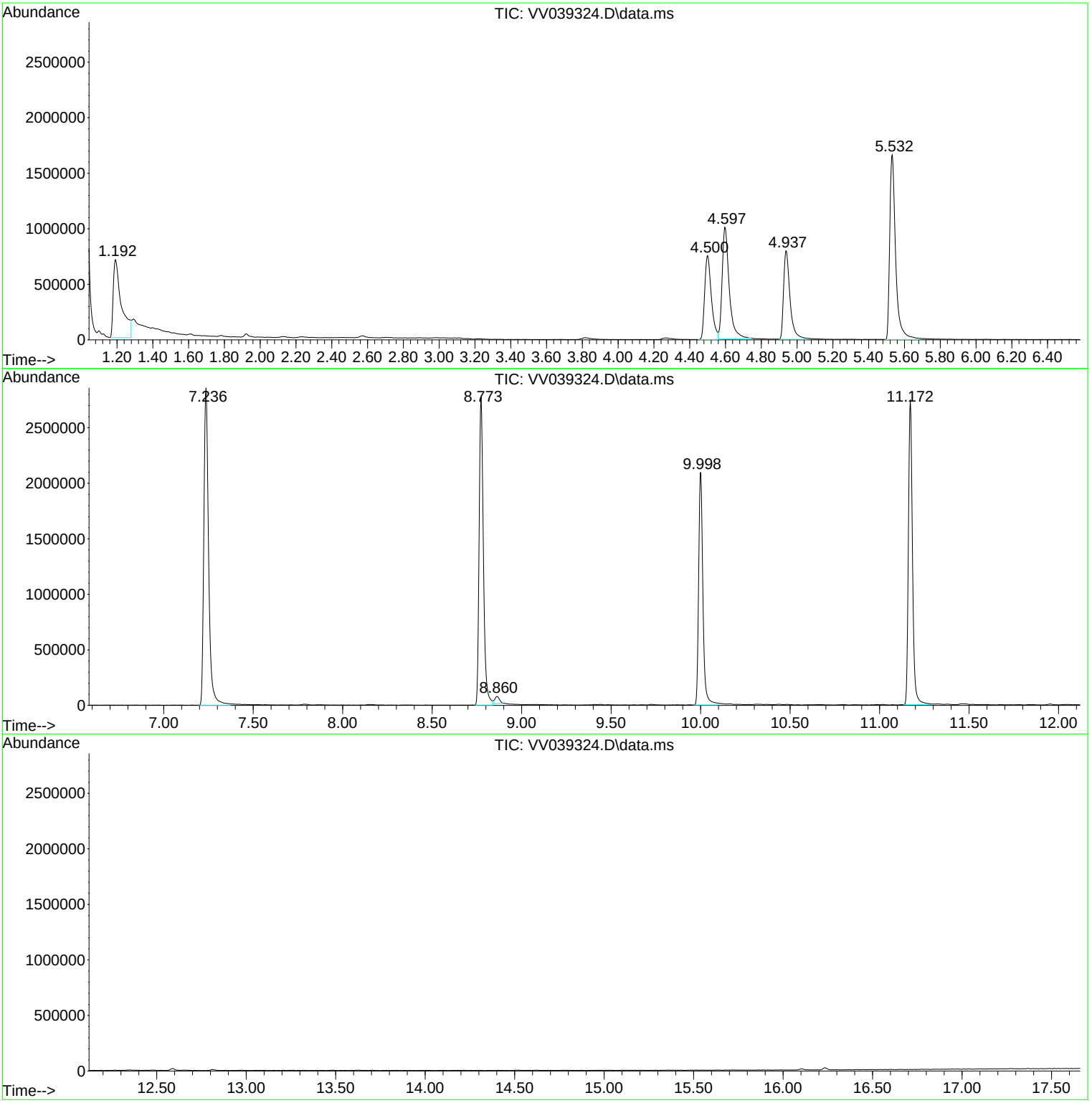
Sample Results: **VV039324.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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: **VV039318.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-05	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

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	11/04/25 16:39	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 16:39	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 16:39	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 16:39	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 16:39	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 16:39	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:39	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:39	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 16:39	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 16:39	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:39	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 16:39	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 16:39	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:39	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:39	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 16:39	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 16:39	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:39	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 16:39	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:39	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:39	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:39	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:39	VV110425
71-43-2	Benzene	4.80		1	0.15	1.00	ug/L	11/04/25 16:39	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:39	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 16:39	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:39	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:39	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 16:39	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 16:39	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 16:39	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:39	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 16:39	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 16:39	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 16:39	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 16:39	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:39	VV110425
108-90-7	Chlorobenzene	32.8		1	0.12	1.00	ug/L	11/04/25 16:39	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 16:39	VV110425
179601-23-1	m/p-Xylenes	0.28	J	1	0.24	2.00	ug/L	11/04/25 16:39	VV110425
95-47-6	o-Xylene	0.91	J	1	0.12	1.00	ug/L	11/04/25 16:39	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 16:39	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 16:39	VV110425

Raw Data: **VV039318.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-05	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	48.5		1	0.12	1.00	ug/L	11/04/25 16:39	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 16:39	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:39	VV110425
106-46-7	1,4-Dichlorobenzene	3.80		1	0.19	1.00	ug/L	11/04/25 16:39	VV110425
95-50-1	1,2-Dichlorobenzene	0.46	J	1	0.16	1.00	ug/L	11/04/25 16:39	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 16:39	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:39	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:39	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.1			70 (74) - 130 (125)	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.7			70 (75) - 130 (124)	97%	SPK: 50		
2037-26-5	Toluene-d8	50.9			70 (86) - 130 (113)	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.3			70 (77) - 130 (121)	107%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	969000							
540-36-3	1,4-Difluorobenzene	1720000							
3114-55-4	Chlorobenzene-d5	1680000							
3855-82-1	1,4-Dichlorobenzene-d4	851000							
TENTATIVE IDENTIFIED COMPOUNDS									
007446-09-5	Sulfur dioxide	12.4	J			1.20	ug/L		
60-29-7	Diethyl Ether	46.7	J			1.92	ug/L		
75-65-0	Tert butyl alcohol	8.70	J			2.57	ug/L		
108-20-3	Diisopropyl ether	11.3	J			3.22	ug/L		
109-99-9	Tetrahydrofuran	24.6	J			4.24	ug/L		
103-65-1	n-propylbenzene	49.3	J			10.3	ug/L		
95-49-8	2-Chlorotoluene	3.90	J			10.3	ug/L		
106-43-4	4-Chlorotoluene	0.63	J			10.5	ug/L		
98-06-6	tert-Butylbenzene	0.27	J			10.8	ug/L		
135-98-8	sec-Butylbenzene	1.80	J			11.0	ug/L		
000496-11-7	Indane	80.0	J			11.4	ug/L		
104-51-8	n-Butylbenzene	1.90	J			11.6	ug/L		
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	10.8	J			11.9	ug/L		
000767-58-8	Indan, 1-methyl-	10.4	J			12.0	ug/L		
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	10.0	J			12.3	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

Sample Results: **VV039318.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 00:39:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	968590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1722471	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1684073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	851194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	731249	53.131	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 106.260%			
35) Dibromofluoromethane	4.500	113	660297	48.652	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.300%			
50) Toluene-d8	7.236	98	2350488	50.909	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 101.820%			
62) 4-Bromofluorobenzene	9.998	95	876742	53.319	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 106.640%			
Target Compounds						Qvalue
8) Diethyl Ether	1.918	74	374782	46.688	ug/l	100
11) Tert butyl alcohol	2.568	59	23276	8.727	ug/l	96
22) Diisopropyl ether	3.217	45	421610	11.342	ug/l #	34
29) Tetrahydrofuran	4.243	42	132147	24.555	ug/l	93
40) Benzene	5.014	78	262333	4.796	ug/l	97
65) Chlorobenzene	8.802	112	1309181	32.838	ug/l	99
68) m/p-Xylenes	9.082	106	6616	0.284	ug/l	89
69) o-Xylene	9.474	106	18747	0.911	ug/l	97
73) Isopropylbenzene	9.857	105	2508811	48.537	ug/l	100
78) n-propylbenzene	10.275	91	3093598	49.326	ug/l	100
79) 2-Chlorotoluene	10.349	91	149113	3.851	ug/l	91
82) 4-Chlorotoluene	10.474	91	28016m	0.629	ug/l	
83) tert-Butylbenzene	10.789	119	11392	0.265	ug/l	92
85) sec-Butylbenzene	11.014	105	95341	1.752	ug/l	98
88) 1,4-Dichlorobenzene	11.197	146	121605	3.834	ug/l	93
89) n-Butylbenzene	11.580	91	83827	1.924	ug/l	87
91) 1,2-Dichlorobenzene	11.574	146	12267	0.455	ug/l	95

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

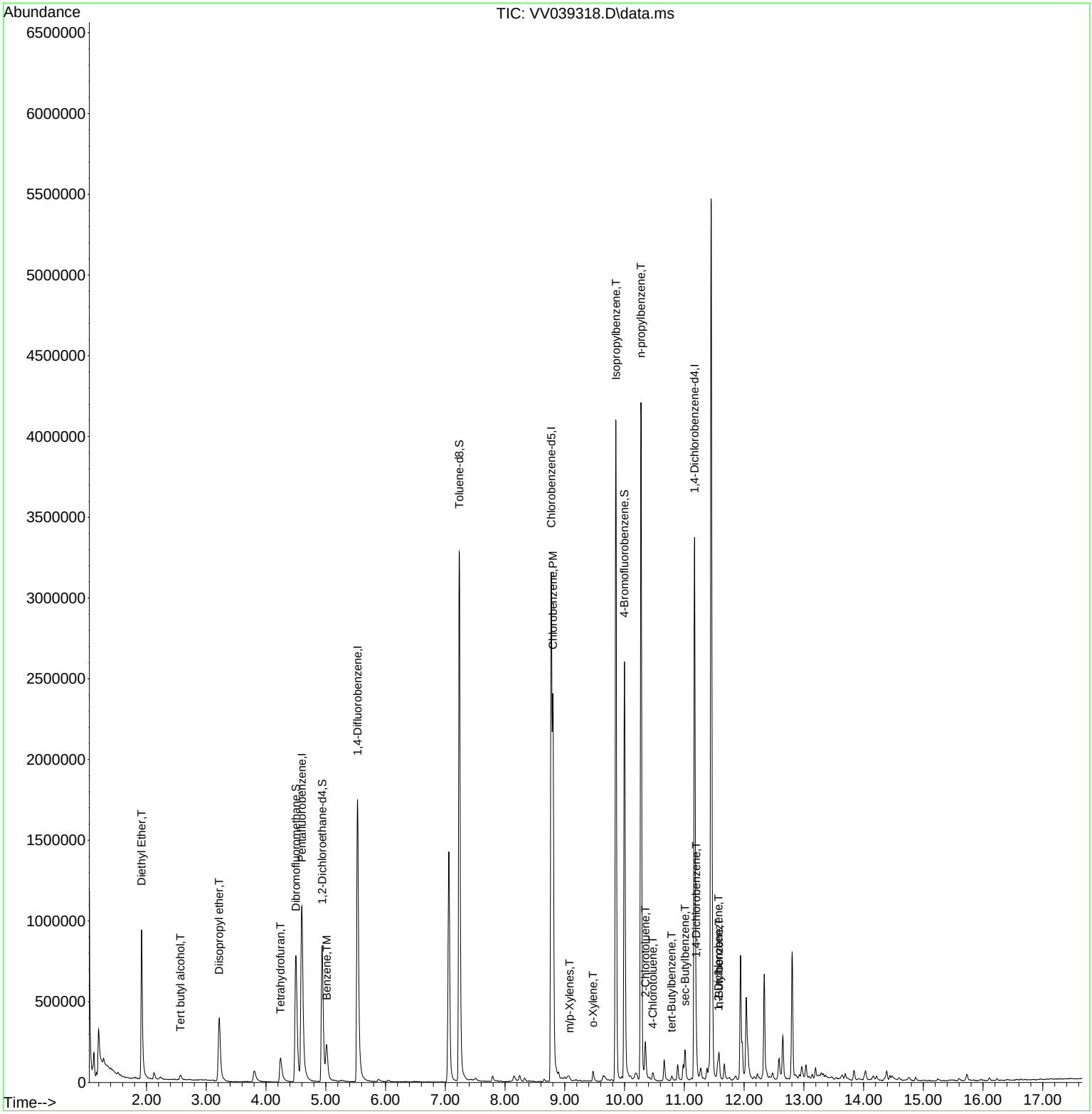
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

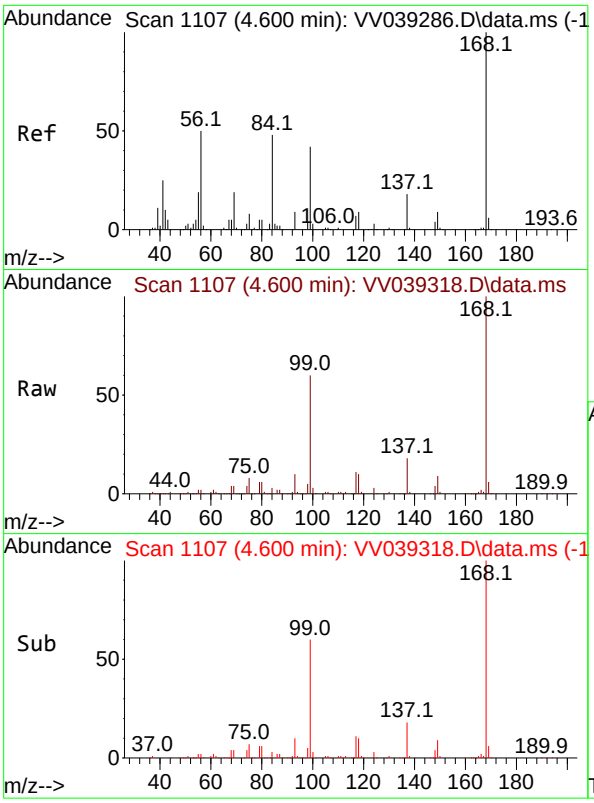
Quant Time: Nov 05 00:39:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

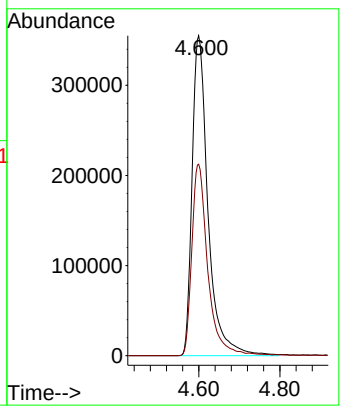




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:168 Resp: 96859

Ion	Ratio	Lower	Upper
168	100		
99	59.8	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Manual Integrations
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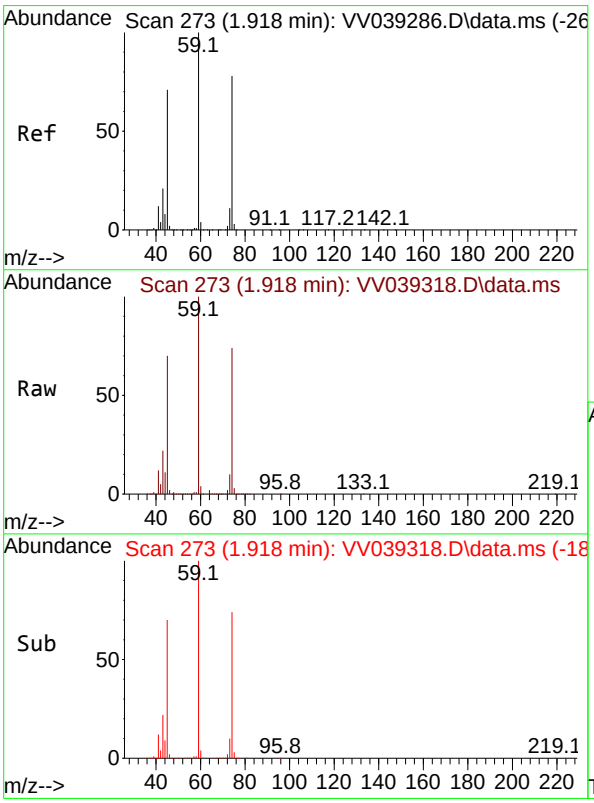
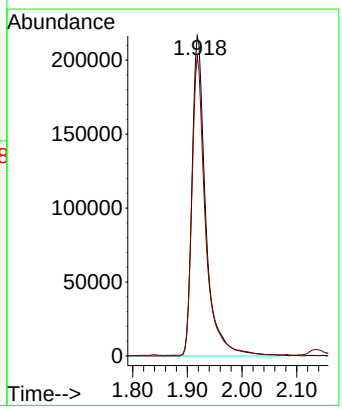
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

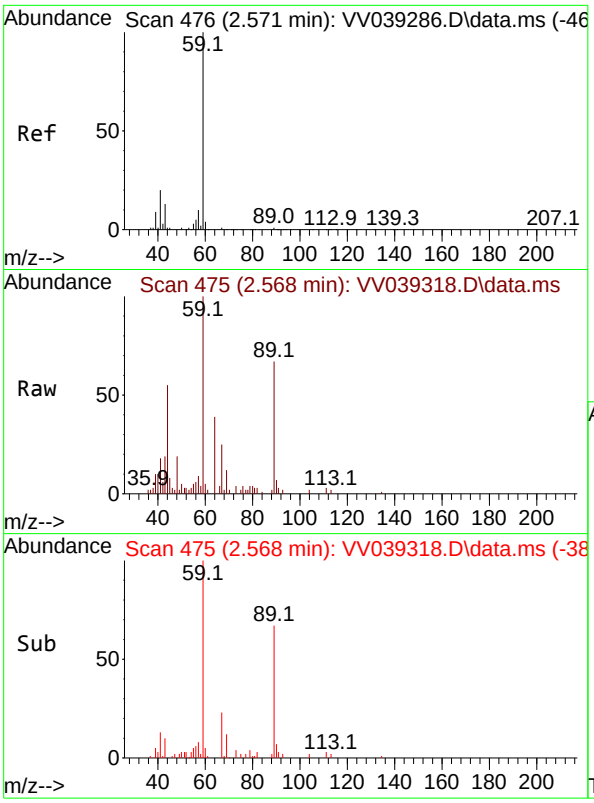


#8
Diethyl Ether
Concen: 46.688 ug/l
RT: 1.918 min Scan# 273
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 74 Resp: 374782

Ion	Ratio	Lower	Upper
74	100		
45	92.3	45.9	137.7

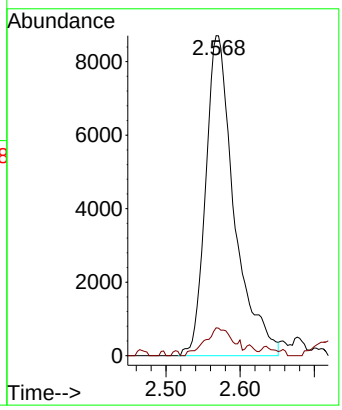




#11
Tert butyl alcohol
Concen: 8.727 ug/l
RT: 2.568 min Scan# 4
Delta R.T. -0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 59 Resp: 2327

Ion	Ratio	Lower	Upper
59	100		
57	8.5	8.1	12.1



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

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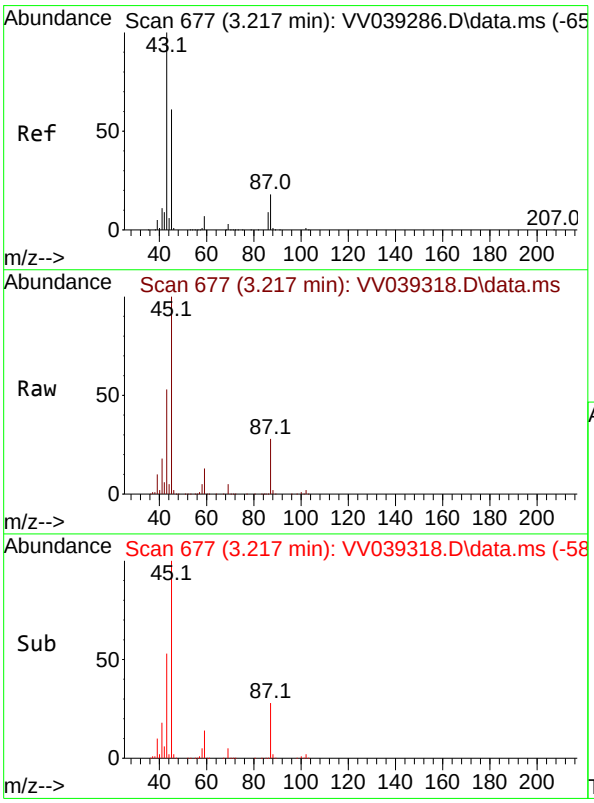
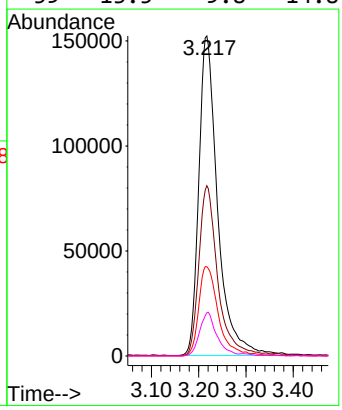
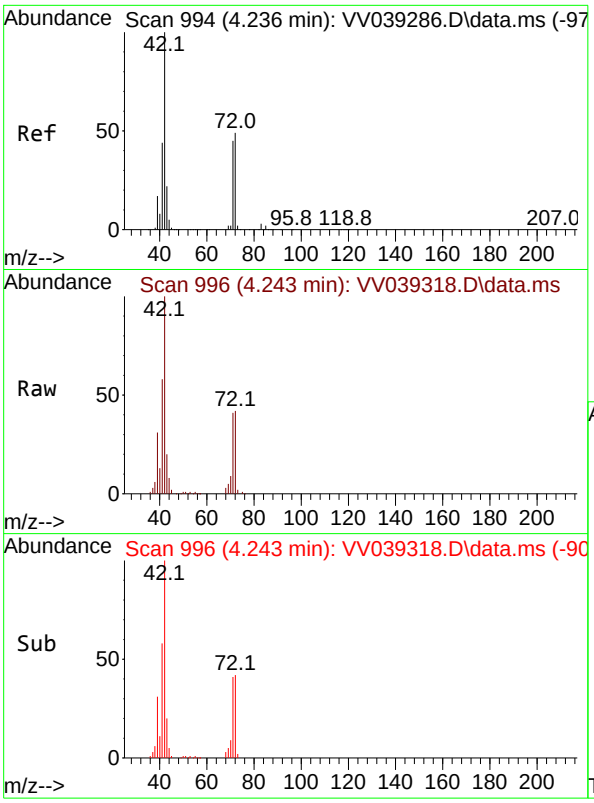


#22
Diisopropyl ether
Concen: 11.342 ug/l
RT: 3.217 min Scan# 677
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 45 Resp: 421610

Ion	Ratio	Lower	Upper
45	100		
43	53.2	130.8	196.2#
87	28.0	23.8	35.8
59	13.5	9.8	14.8





#29
Tetrahydrofuran
Concen: 24.555 ug/l
RT: 4.243 min Scan# 9
Delta R.T. 0.006 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 42 Resp: 13214

Ion	Ratio	Lower	Upper
42	100		
72	43.5	39.8	59.8
71	42.9	36.5	54.7

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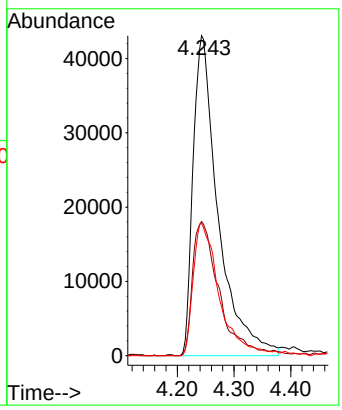
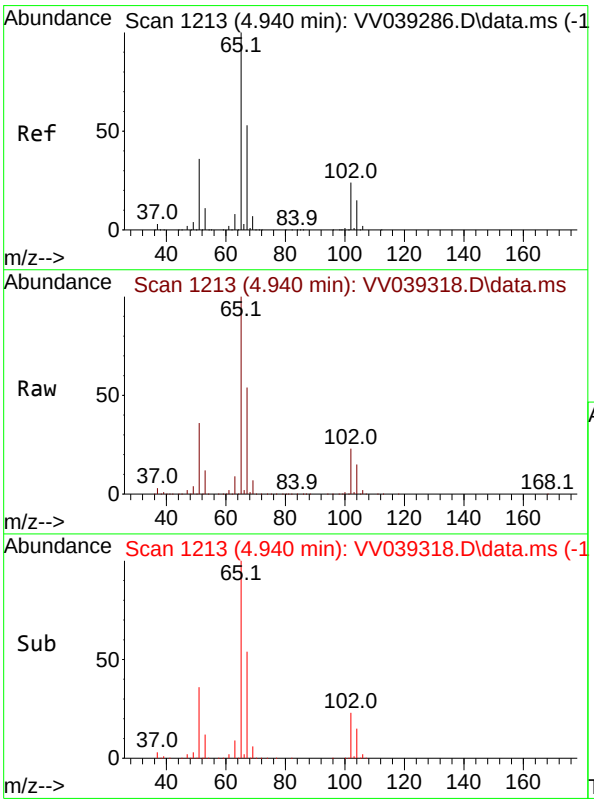
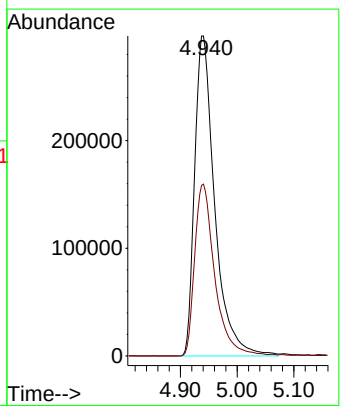


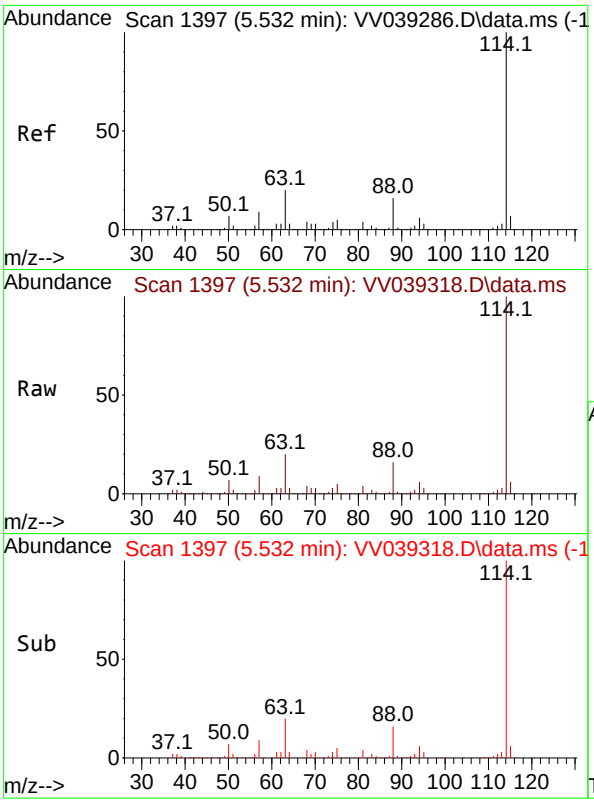


#33
1,2-Dichloroethane-d4
Concen: 53.131 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 65 Resp: 731249

Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:114 Resp: 172247

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.6
88	15.5	0.0	31.6

Instrument :
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MW-EB-1

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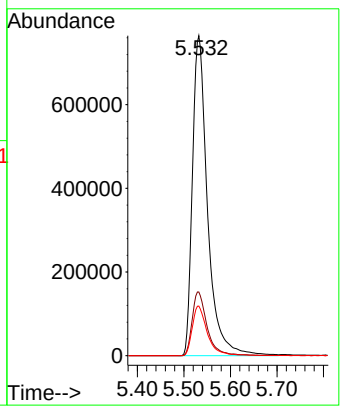
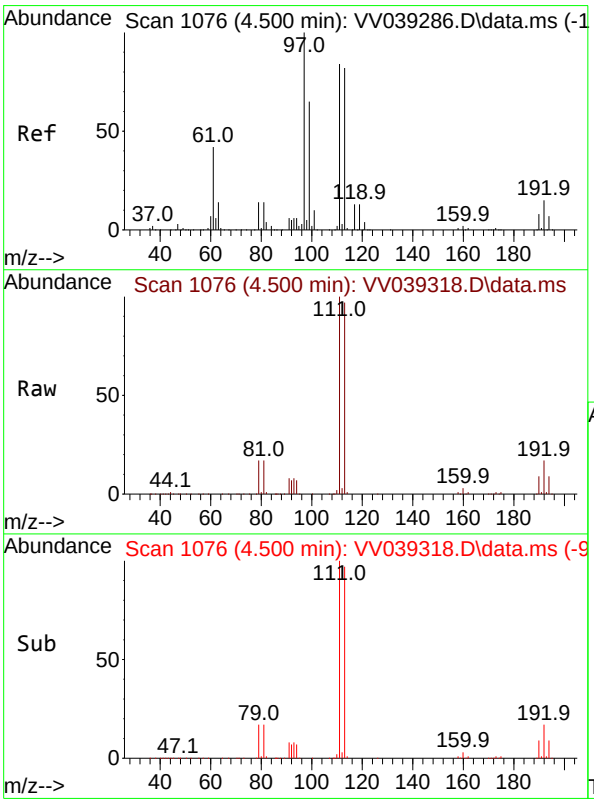
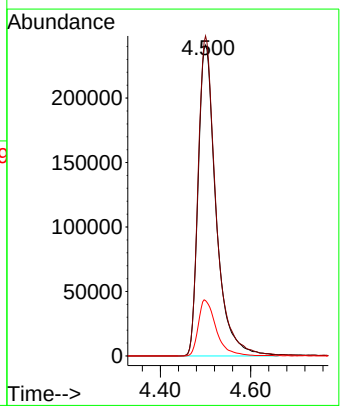


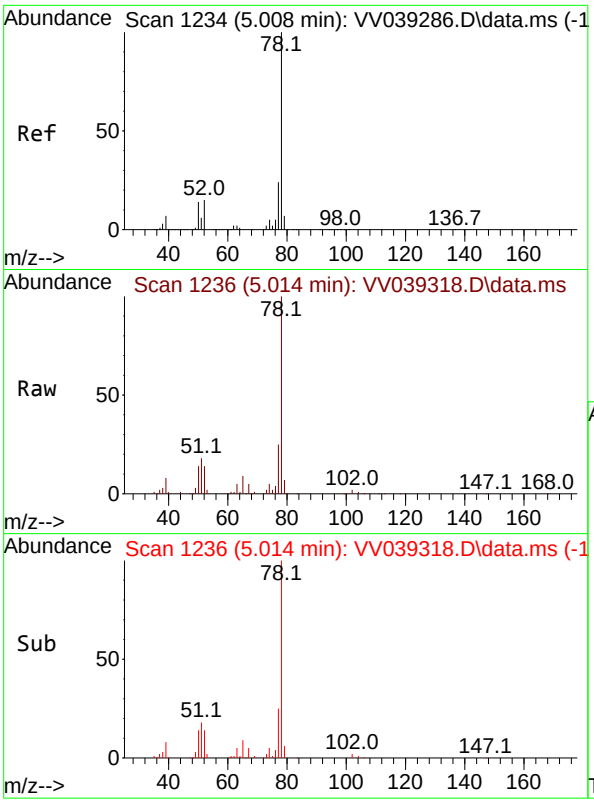


#35
Dibromofluoromethane
Concen: 48.652 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:113 Resp: 660297

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.0	123.0
192	18.0	14.3	21.5

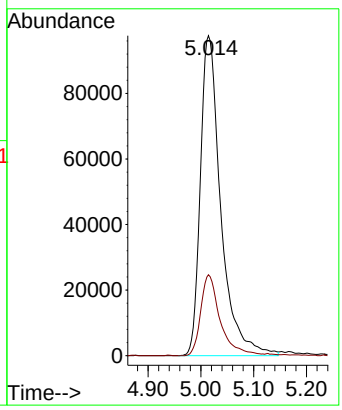




#40
Benzene
Concen: 4.796 ug/l
RT: 5.014 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 78 Resp: 26233

Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.9	28.3



Instrument :
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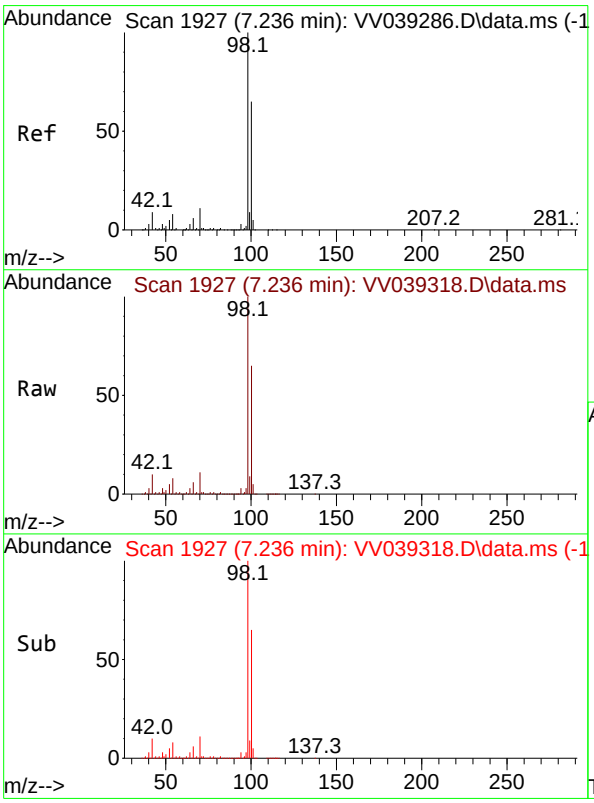
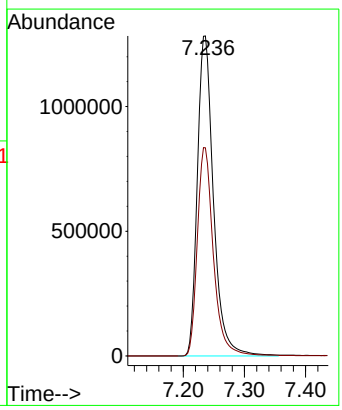
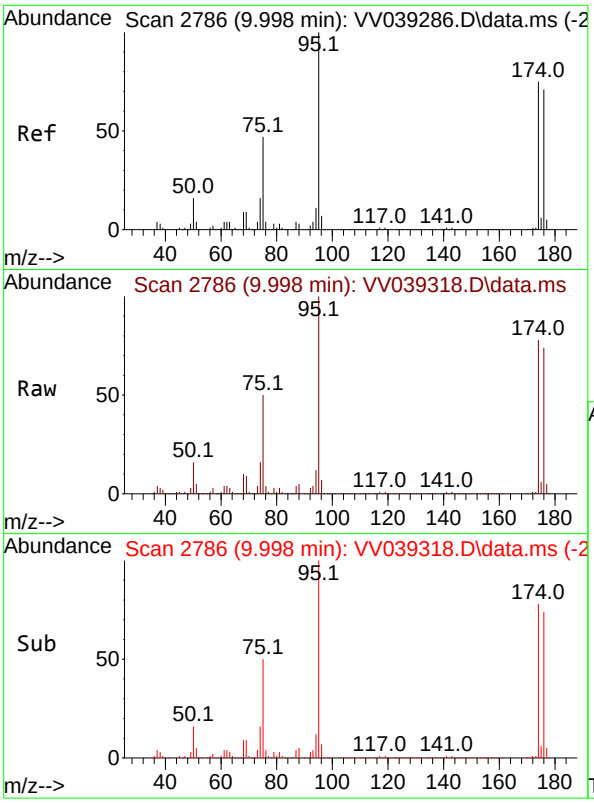


#50
Toluene-d8
Concen: 50.909 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 98 Resp: 2350488

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.8	79.2

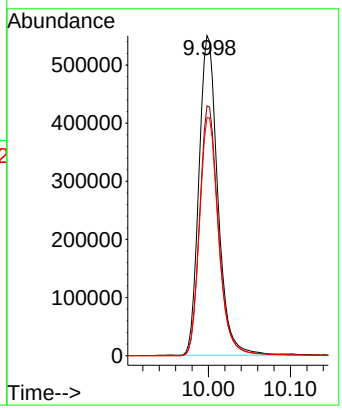




#62
4-Bromofluorobenzene
Concen: 53.319 ug/l
RT: 9.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 95 Resp: 87674

Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	153.6
176	75.5	0.0	146.0



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

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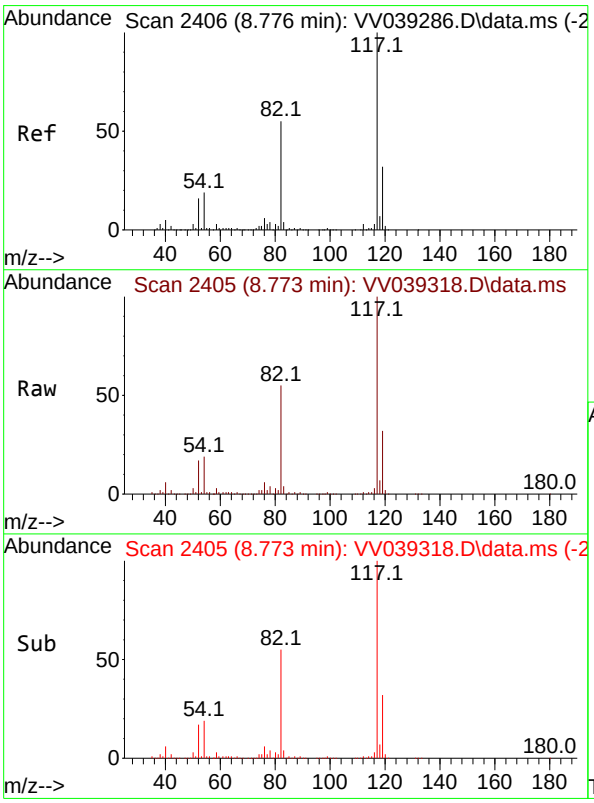
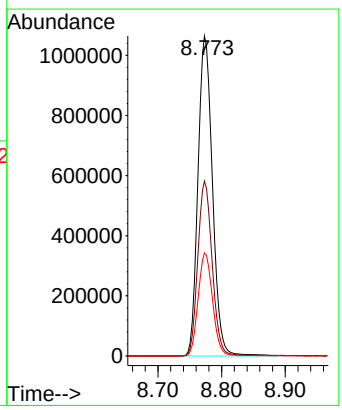
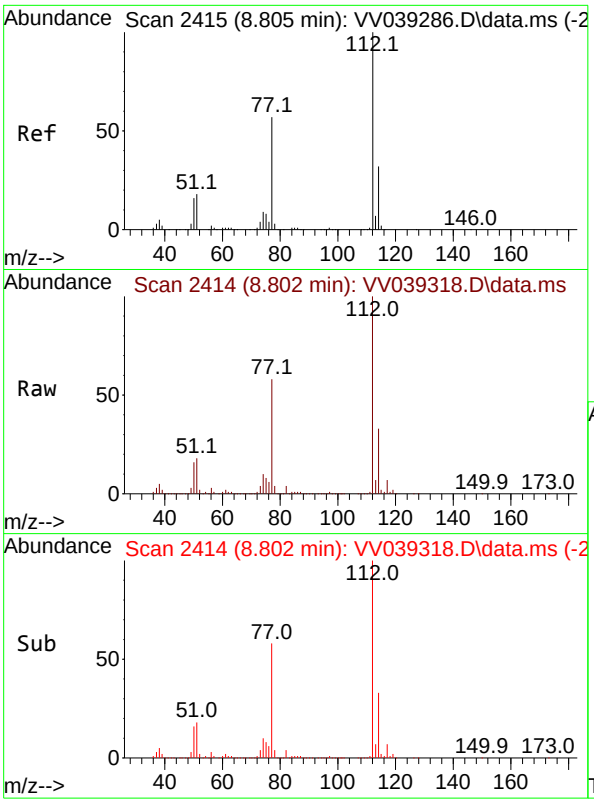


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:117 Resp: 1684073

Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.8	65.8
119	32.2	25.8	38.6





#65
Chlorobenzene
Concen: 32.838 ug/l
RT: 8.802 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:112 Resp: 130918

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.7	38.5

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

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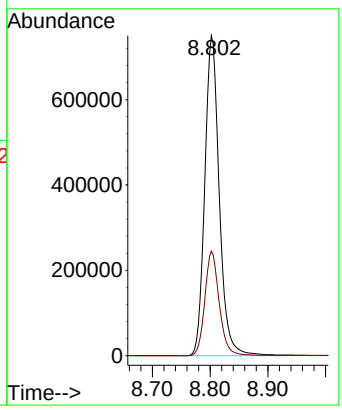
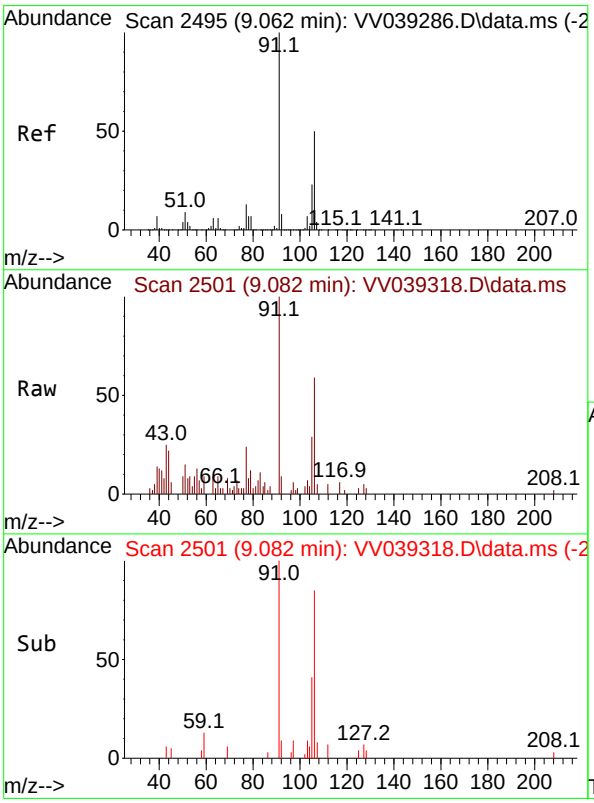
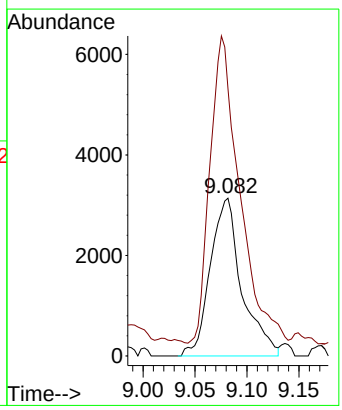


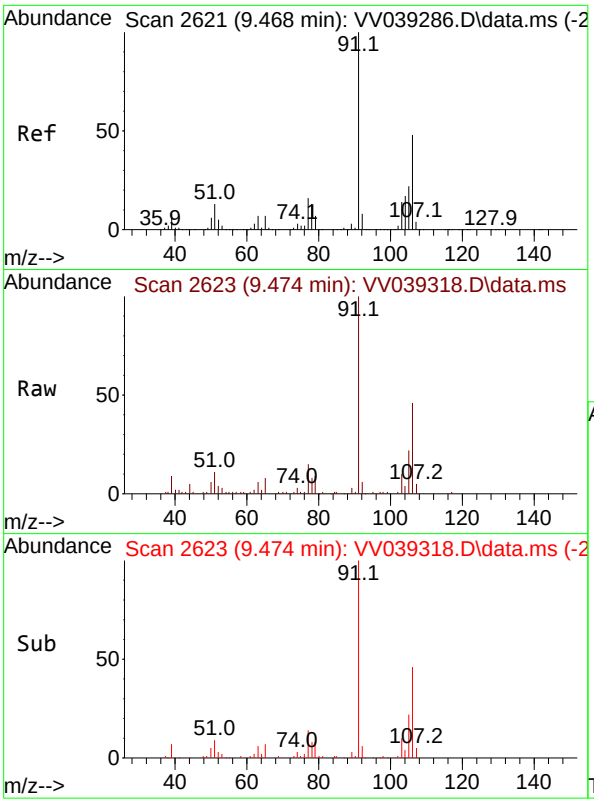


#68
m/p-Xylenes
Concen: 0.284 ug/l
RT: 9.082 min Scan# 2501
Delta R.T. 0.019 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:106 Resp: 6616

Ion	Ratio	Lower	Upper
106	100		
91	183.9	160.2	240.2





#69
o-Xylene
Concen: 0.911 ug/l
RT: 9.474 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:106 Resp: 1874

Ion	Ratio	Lower	Upper
106	100		
91	216.0	105.8	317.3

Instrument :
MSVOA_V
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MW-EB-1

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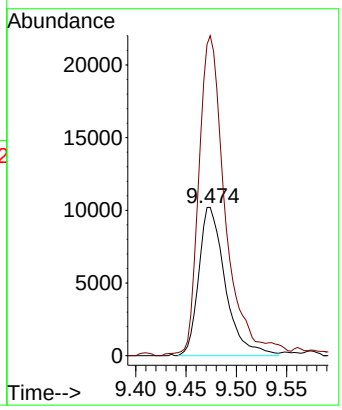
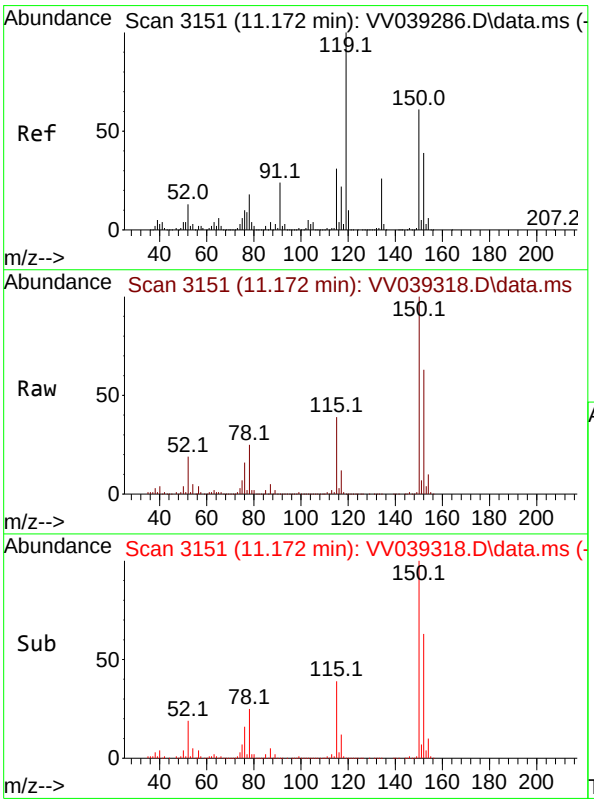
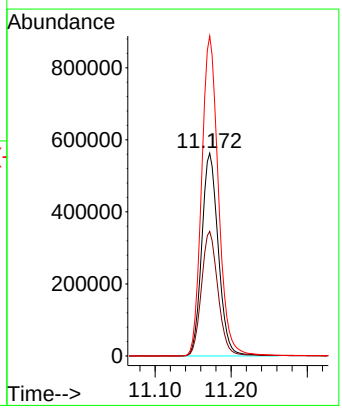


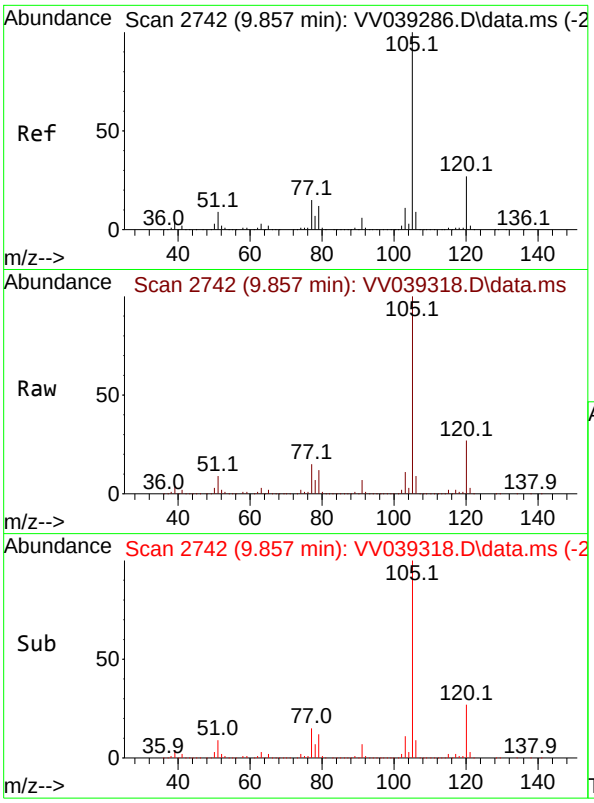


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:152 Resp: 851194

Ion	Ratio	Lower	Upper
152	100		
115	61.4	42.3	126.8
150	159.9	0.0	348.0





#73
Isopropylbenzene
Concen: 48.537 ug/l
RT: 9.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:105 Resp: 250881

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

Instrument :
MSVOA_V
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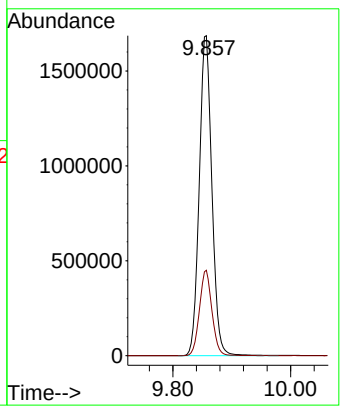
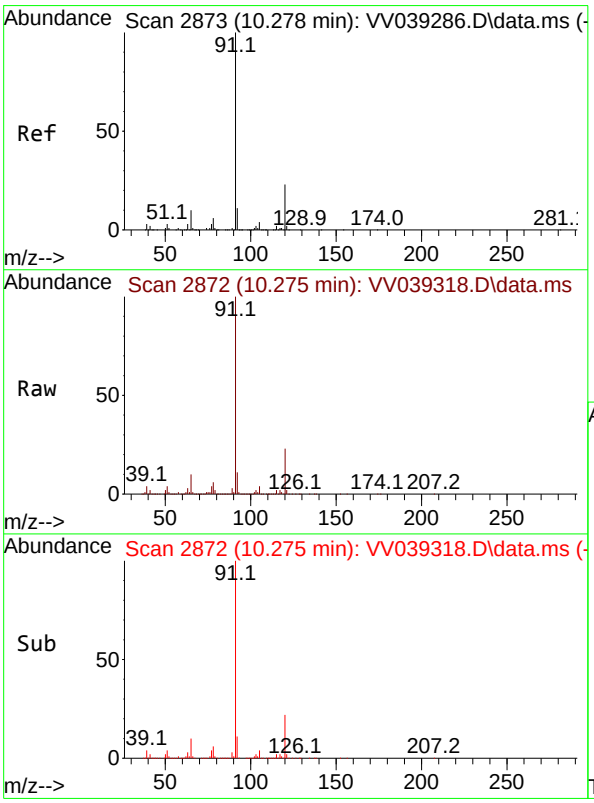
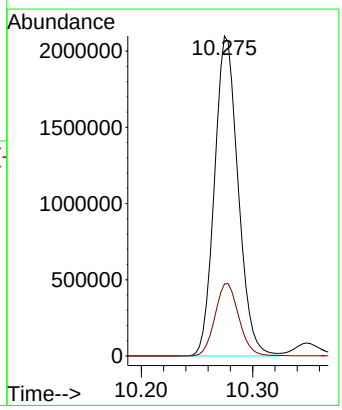


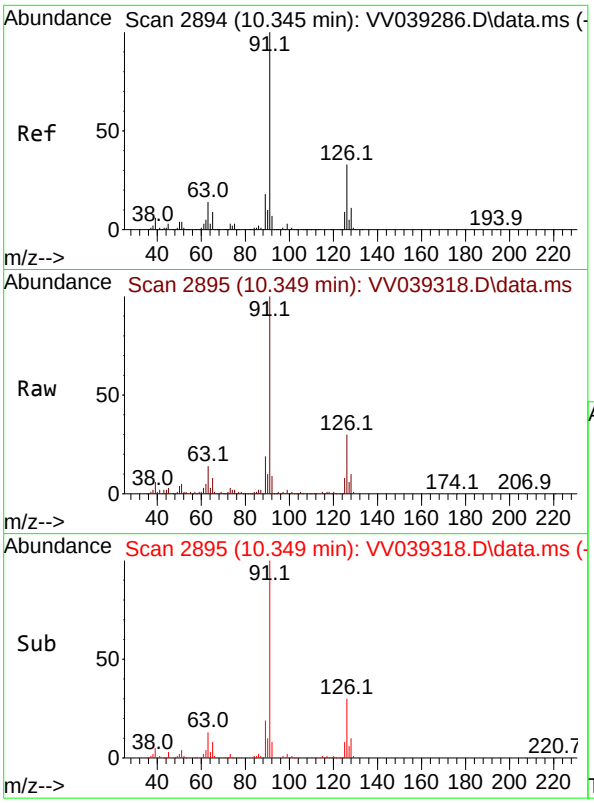


#78
n-propylbenzene
Concen: 49.326 ug/l
RT: 10.275 min Scan# 2872
Delta R.T. -0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 91 Resp: 3093598

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5

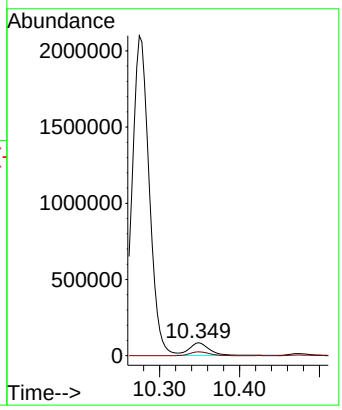




#79
2-Chlorotoluene
Concen: 3.851 ug/l
RT: 10.349 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 91 Resp: 14911

Ion	Ratio	Lower	Upper
91	100		
126	28.8	16.9	50.6



Instrument :
MSVOA_V
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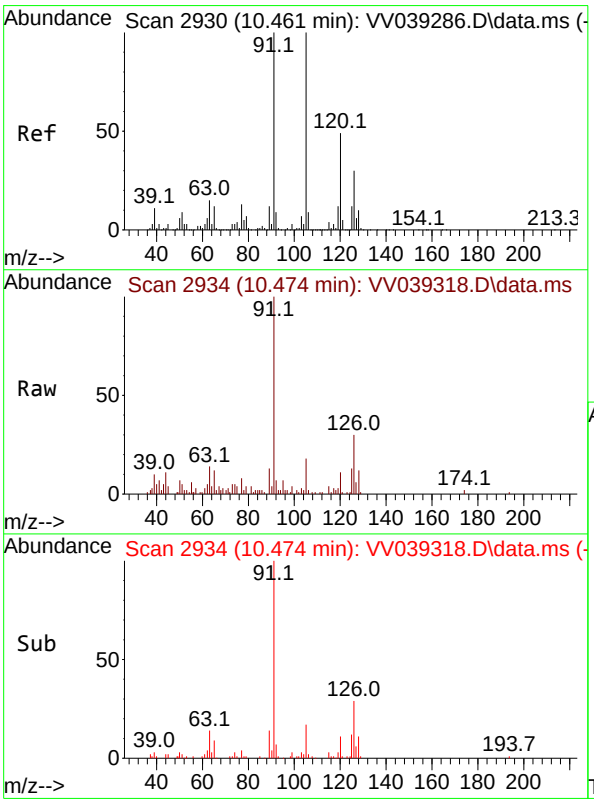
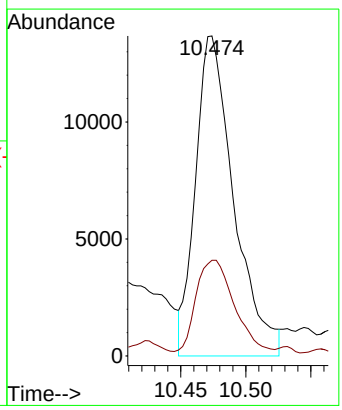
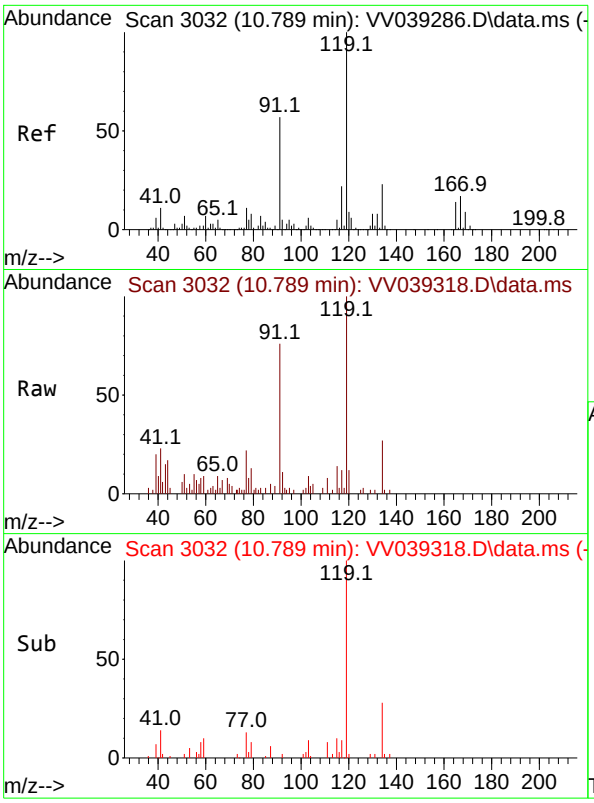


#82
4-Chlorotoluene
Concen: 0.629 ug/l m
RT: 10.474 min Scan# 2934
Delta R.T. 0.013 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 91 Resp: 28016

Ion	Ratio	Lower	Upper
91	100		
126	153.4	14.8	44.4#





#83
tert-Butylbenzene
Concen: 0.265 ug/l
RT: 10.789 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

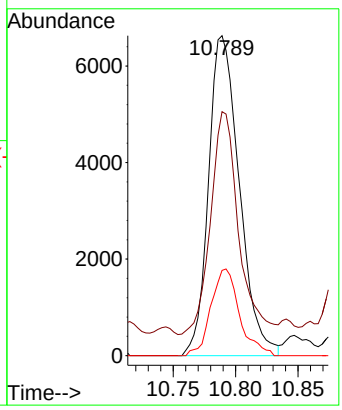
Tgt Ion:119 Resp: 1139

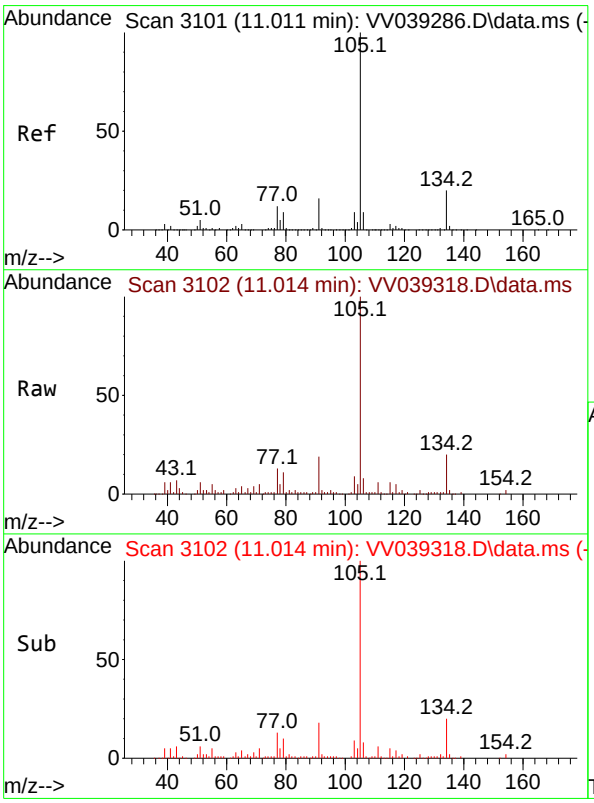
Ion	Ratio	Lower	Upper
119	100		
91	63.3	28.2	84.7
134	25.2	11.5	34.4

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

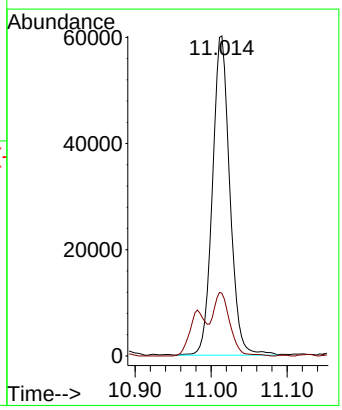


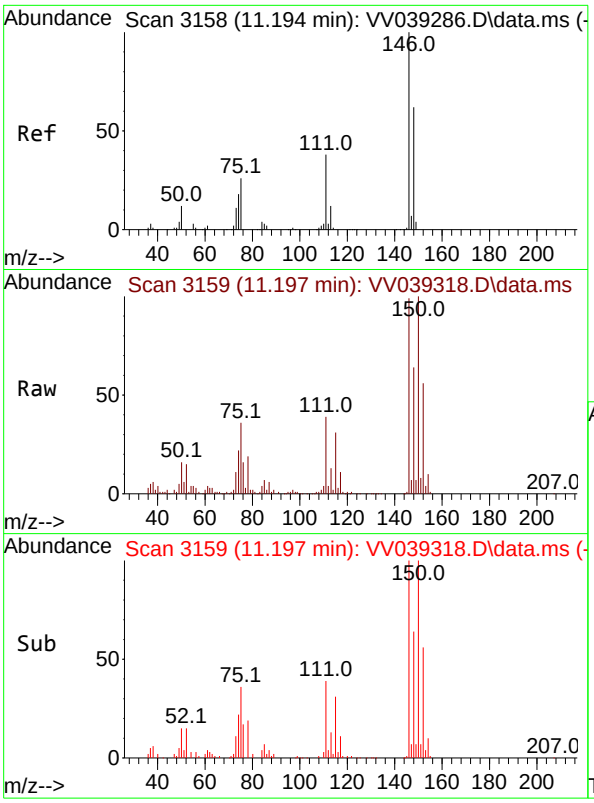


#85
sec-Butylbenzene
Concen: 1.752 ug/l
RT: 11.014 min Scan# 3102
Delta R.T. 0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:105 Resp: 95341

Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.8	29.5

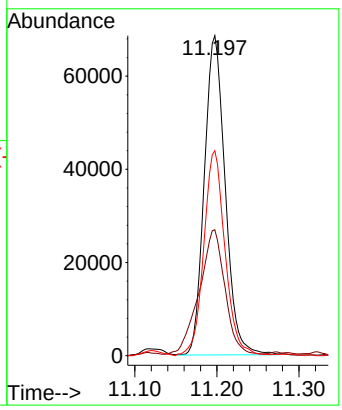




#88
1,4-Dichlorobenzene
Concen: 3.834 ug/l
RT: 11.197 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:146 Resp: 12160

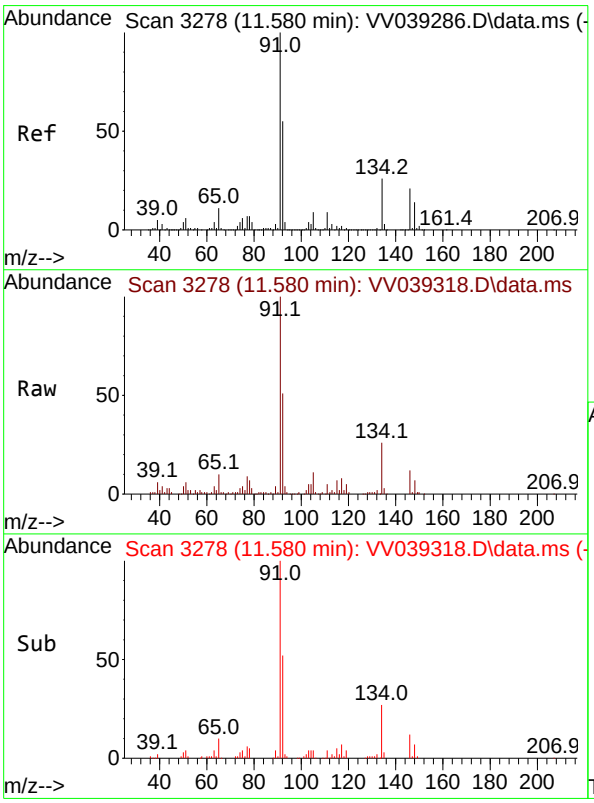
Ion	Ratio	Lower	Upper
146	100		
111	48.1	19.7	59.0
148	65.4	31.5	94.5



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Manual Integrations
APPROVED

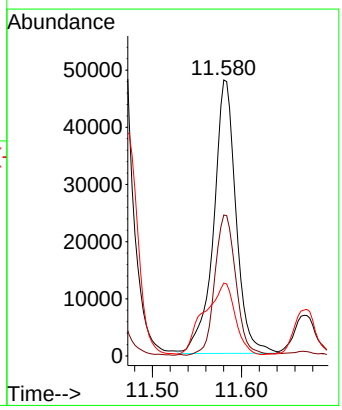
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

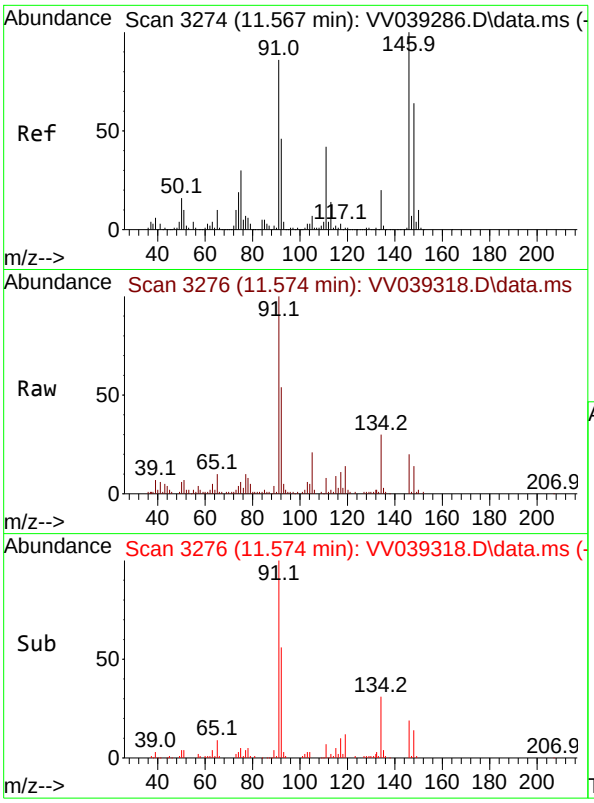


#89
n-Butylbenzene
Concen: 1.924 ug/l
RT: 11.580 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 91 Resp: 83827

Ion	Ratio	Lower	Upper
91	100		
92	48.4	26.9	80.6
134	37.4	12.6	37.8

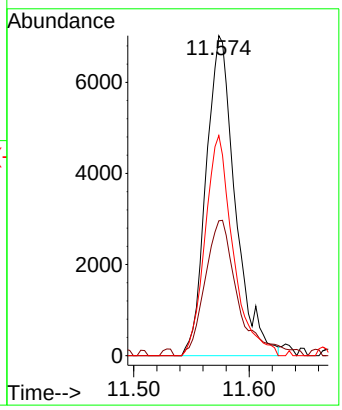




#91
1,2-Dichlorobenzene
Concen: 0.455 ug/l
RT: 11.574 min Scan# 3
Delta R.T. 0.006 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion:146 Resp: 1226

Ion	Ratio	Lower	Upper
146	100		
111	47.8	21.3	64.0
148	66.3	31.9	95.7



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Sample Results: **VV039318.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039318.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.121	20	25	34	rVB3	141233	178002	2.02%	0.259%
2	1.198	41	49	70	rBV	276840	727705	8.26%	1.057%
3	1.918	264	273	308	rBV	920039	1566131	17.77%	2.275%
4	3.217	661	677	713	rBV2	386006	1036553	11.76%	1.506%
5	3.802	843	859	888	rBV2	67965	239084	2.71%	0.347%
6	4.243	983	996	1039	rBV3	148309	474501	5.38%	0.689%
7	4.500	1061	1076	1094	rBV2	780642	2038826	23.13%	2.962%
8	4.600	1095	1107	1146	rVB	1075754	2925590	33.19%	4.250%
9	4.937	1200	1212	1227	rBV	841999	1944803	22.06%	2.825%
10	5.011	1228	1235	1268	rVB2	223175	598949	6.80%	0.870%
11	5.532	1381	1397	1440	rBV	1747558	3976655	45.12%	5.777%
12	7.059	1855	1872	1905	rBV	1425192	2963927	33.63%	4.306%
13	7.233	1915	1926	1967	rBV	3273069	6040972	68.54%	8.777%
14	8.149	2193	2211	2227	rBV10	33275	93748	1.06%	0.136%
15	8.773	2394	2405	2410	rBV	3154660	5008890	56.83%	7.277%
16	9.474	2615	2623	2643	rVB2	62163	115087	1.31%	0.167%
17	9.853	2729	2741	2761	rBV	4097278	6133285	69.58%	8.911%
18	9.998	2776	2786	2812	rBV	2577902	4098157	46.49%	5.954%
19	10.275	2860	2872	2887	rBV	4190575	6262993	71.05%	9.099%
20	10.349	2888	2895	2911	rVB	224004	379880	4.31%	0.552%
21	10.474	2926	2934	2948	rVB2	46550	88211	1.00%	0.128%
22	10.664	2983	2993	3015	rBV	127024	226900	2.57%	0.330%
23	10.889	3055	3063	3074	rBV	92752	139462	1.58%	0.203%
24	10.982	3084	3092	3095	rBV	90637	119292	1.35%	0.173%
25	11.011	3095	3101	3121	rVB	185204	325994	3.70%	0.474%
26	11.172	3140	3151	3173	rBV	3352062	5506960	62.48%	8.001%
27	11.275	3176	3183	3194	rVB6	63624	113982	1.29%	0.166%
28	11.381	3207	3216	3220	rBV2	66339	99380	1.13%	0.144%
29	11.448	3221	3237	3263	rVV	5449749	8814369	100.00%	12.806%
30	11.580	3264	3278	3292	rVV3	161991	388389	4.41%	0.564%
31	11.670	3296	3306	3319	rBV2	92778	150977	1.71%	0.219%
32	11.940	3379	3390	3397	rBV	767187	1184992	13.44%	1.722%
33	12.037	3411	3420	3453	rVB2	504589	1145472	13.00%	1.664%
34	12.339	3498	3514	3536	rBV	649074	1105450	12.54%	1.606%
35	12.586	3579	3591	3600	rBV4	126913	246269	2.79%	0.358%
36	12.648	3602	3610	3626	rVB	264191	443135	5.03%	0.644%

Sample Results: **VV039318.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

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_V\Method\82V100725W.M
Title : SW846 8260

37	12.805	3647	3659	3671	rBV2	786106	1246792	14.14%	1.811%
38	12.966	3702	3709	3721	rVB6	61864	109234	1.24%	0.159%
39	13.037	3723	3731	3743	rVB4	75323	120998	1.37%	0.176%
40	13.197	3773	3781	3788	rBV2	61489	91191	1.03%	0.132%
41	13.840	3971	3981	3994	rBV4	60306	112783	1.28%	0.164%
42	14.033	4027	4041	4053	rBV4	55796	123115	1.40%	0.179%
43	14.387	4133	4151	4161	rBV4	56890	124019	1.41%	0.180%

Sum of corrected areas: 68831104

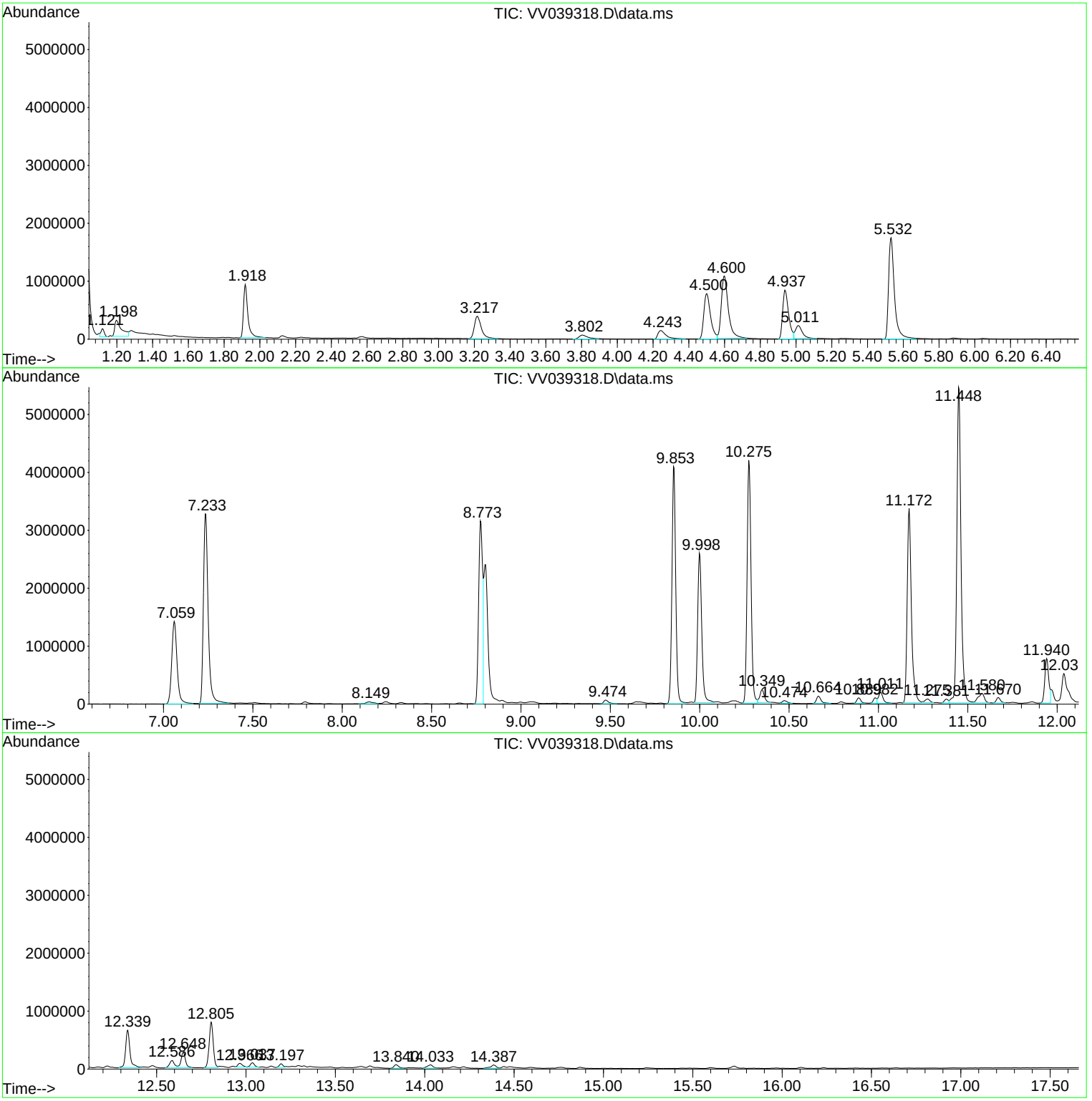
Sample Results: **VV039318.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Sample Results: **VV039318.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

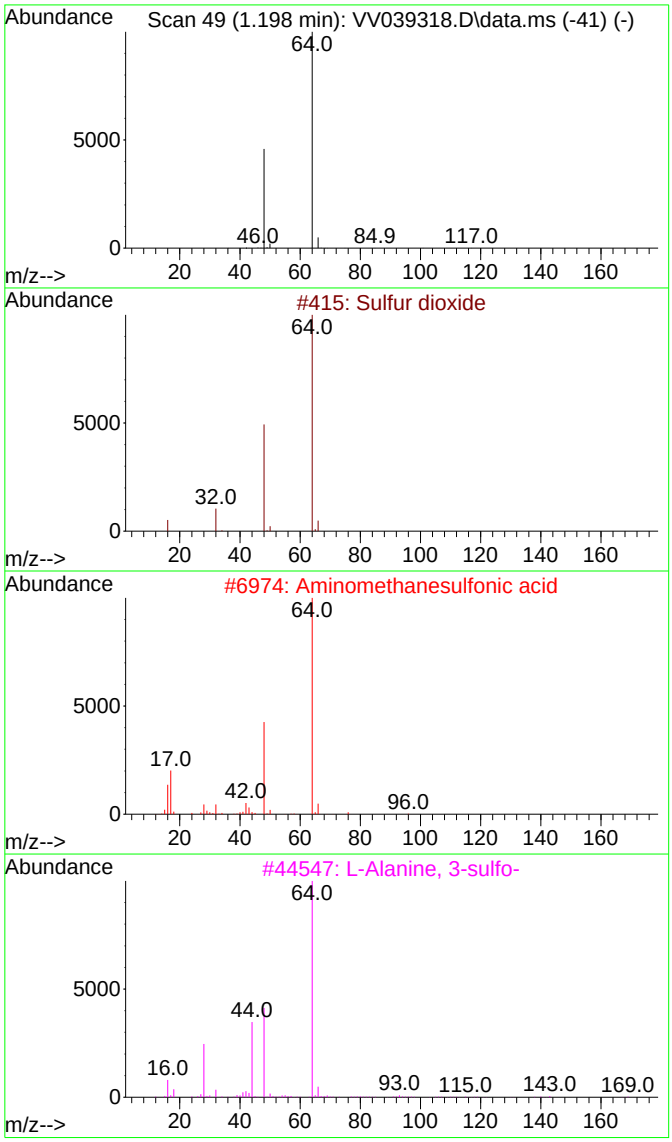
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

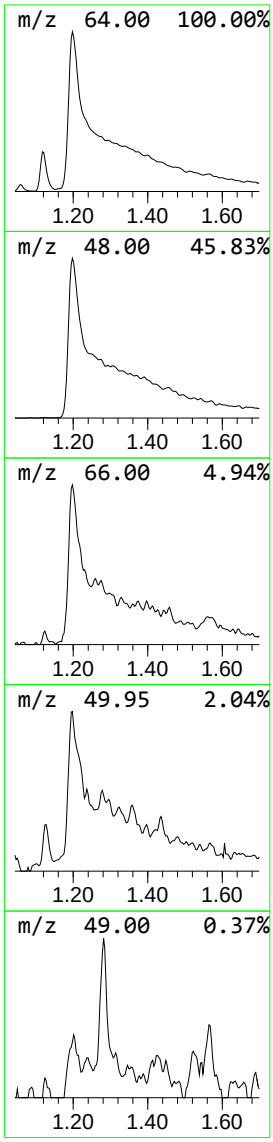
****

Peak Number 1 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.198	12.44 ug/l	727705	Pentafluorobenzene	4.600

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Sample Results: **VV039318.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

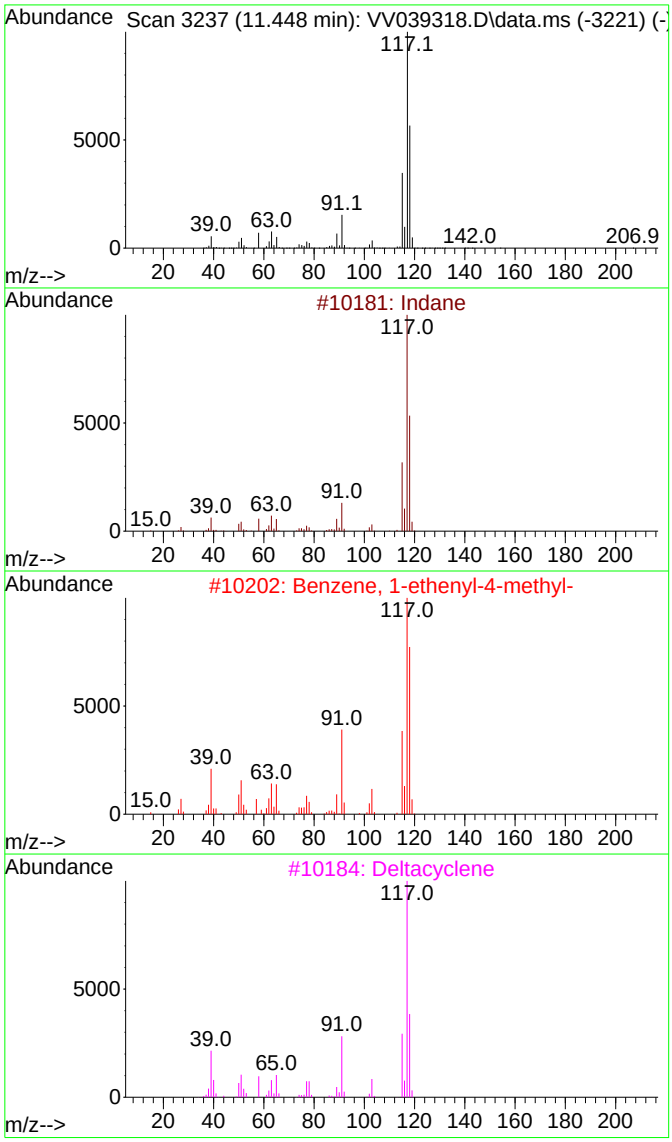
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

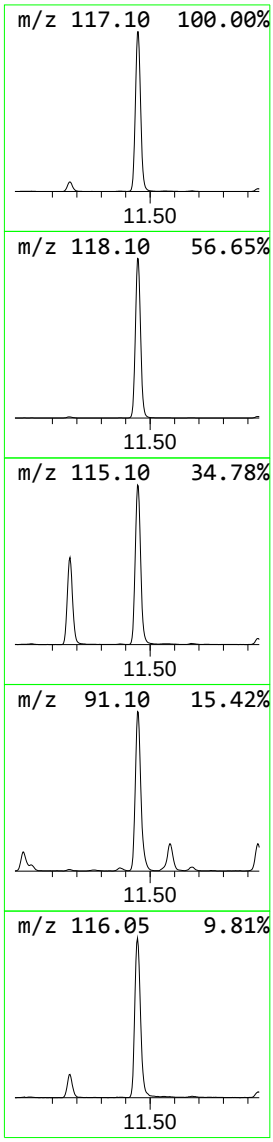
****

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.448	80.03 ug/l	8814370	1,4-Dichlorobenzene-d4	11.172

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	74
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

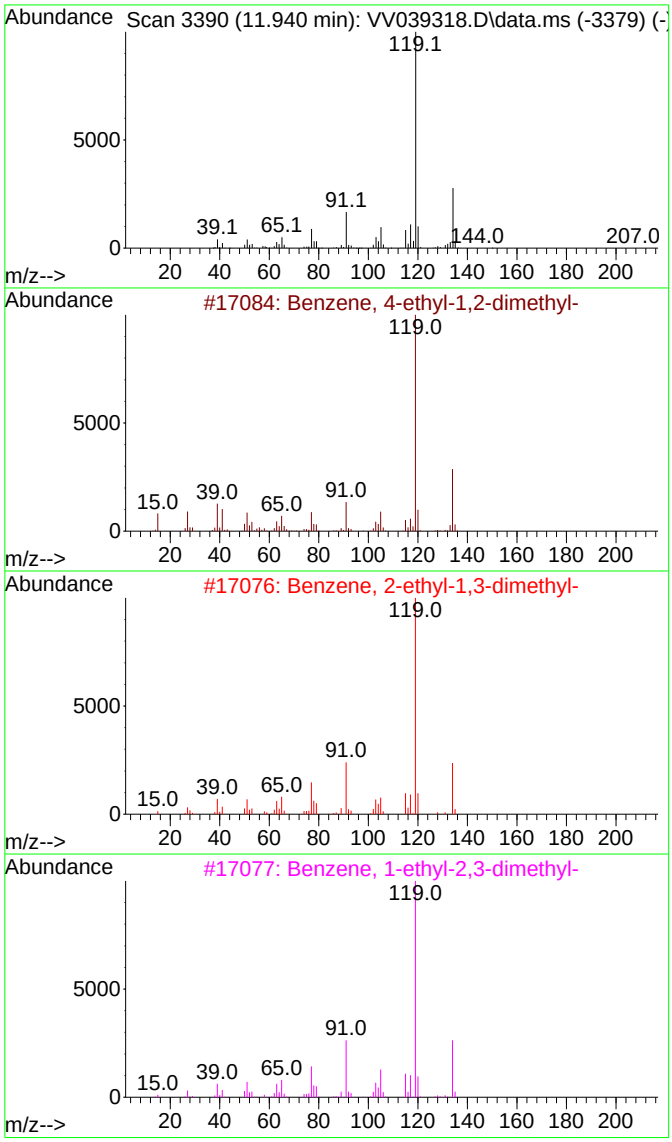
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

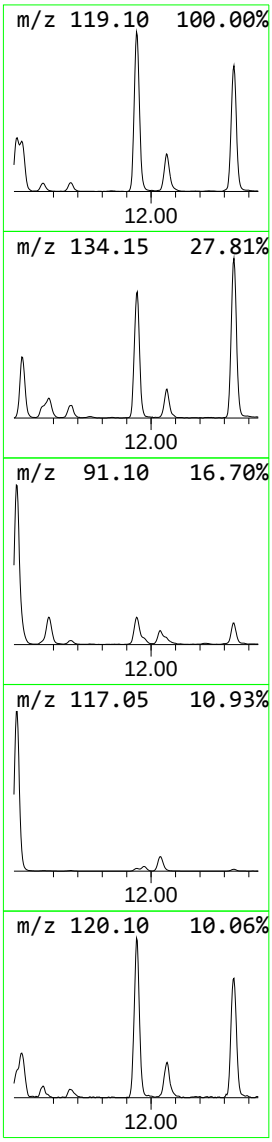
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.940	10.76 ug/l	1184990	1,4-Dichlorobenzene-d4	11.172

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

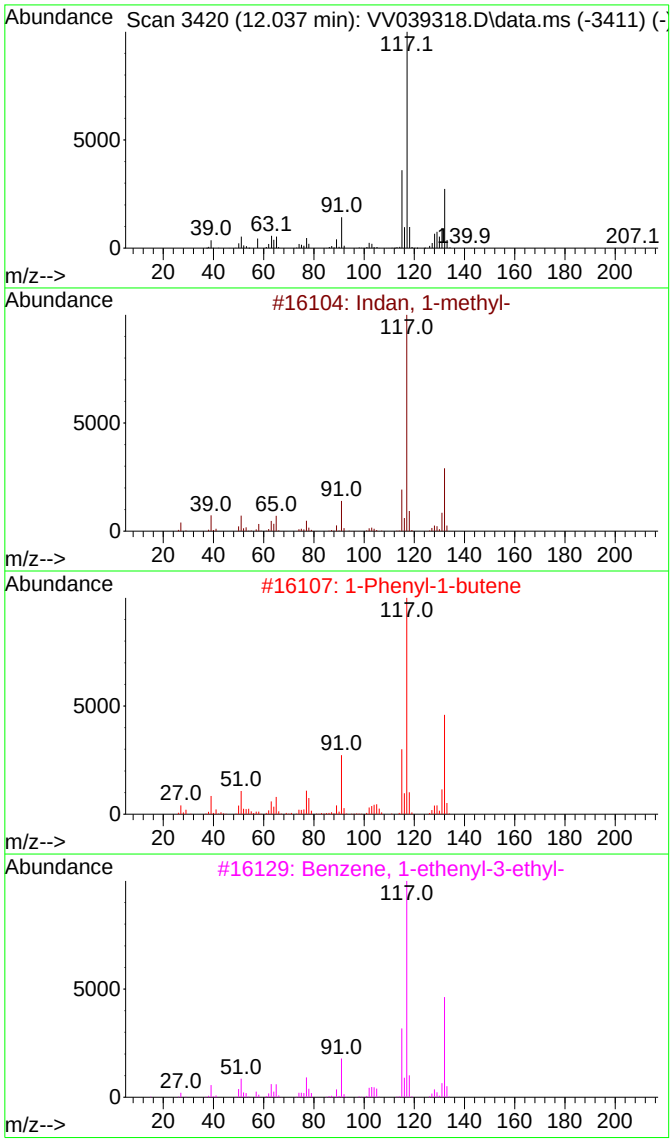
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

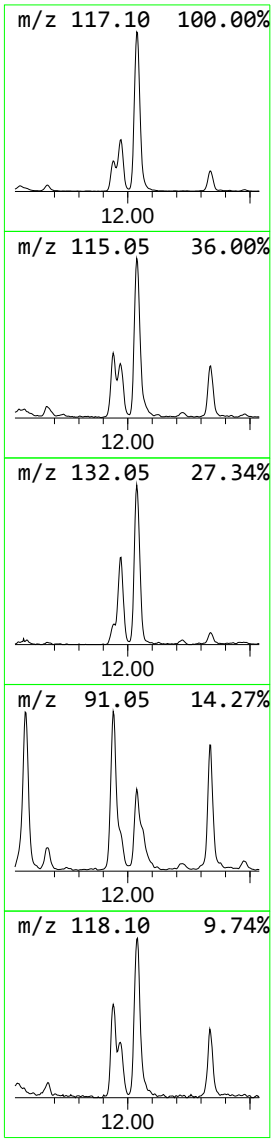
****

Peak Number 5 Indan, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.037	10.40 ug/l	1145470	1,4-Dichlorobenzene-d4	11.172

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

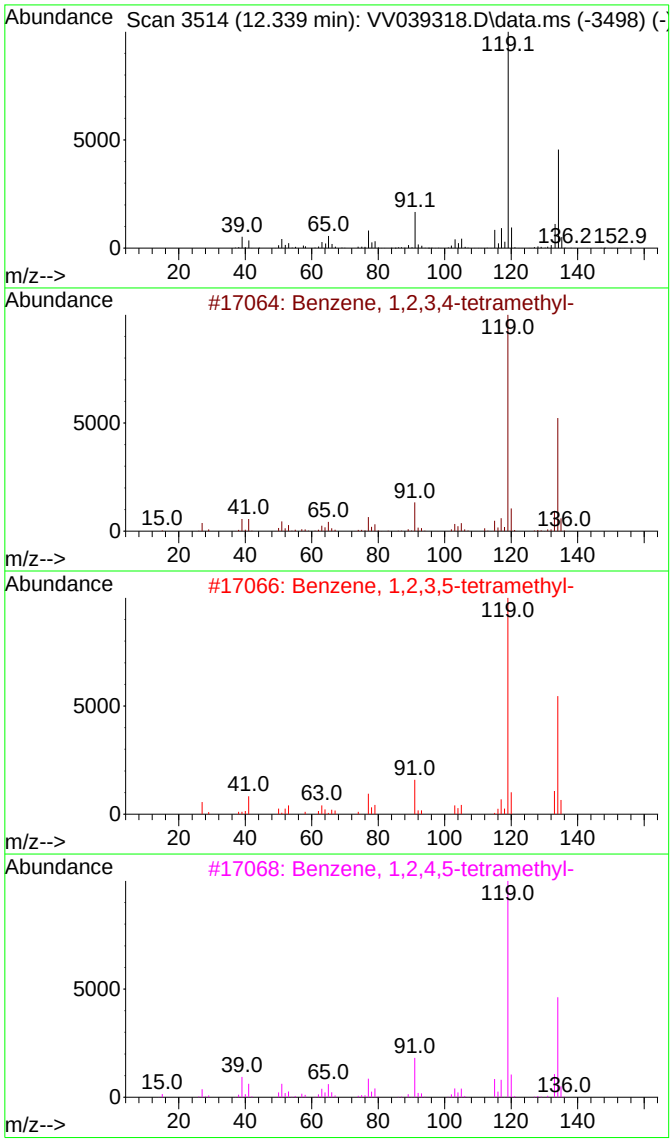
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

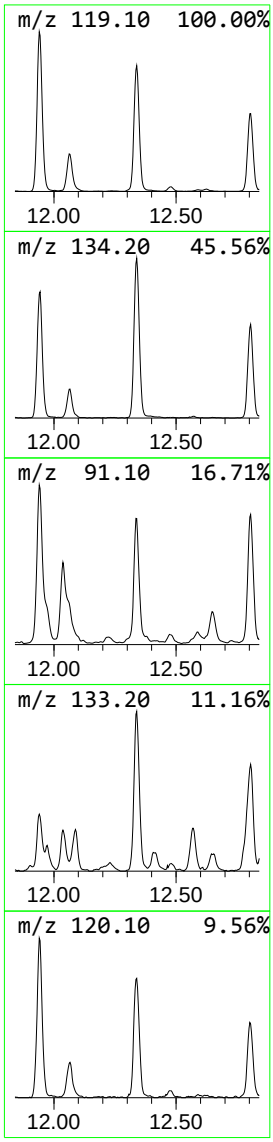
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	10.04 ug/l	1105450	1,4-Dichlorobenzene-d4	11.172

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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
Sulfur dioxide	1.198	12.4	ug/l	727705	1	4.600	2925590	50.0
Indane	11.448	80.0	ug/l	8814370	4	11.172	5506960	50.0
Benzene, 4-ethy...	11.940	10.8	ug/l	1184990	4	11.172	5506960	50.0
Indan, 1-methyl-	12.037	10.4	ug/l	1145470	4	11.172	5506960	50.0
Benzene, 1,2,3,...	12.339	10.0	ug/l	1105450	4	11.172	5506960	50.0

Raw Data: **VV039319.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-2	SDG No.:	Q3534
Lab Sample ID:	Q3534-06	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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	11/04/25 17:02	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 17:02	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:02	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 17:02	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 17:02	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 17:02	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:02	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:02	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 17:02	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:02	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:02	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 17:02	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 17:02	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:02	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:02	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 17:02	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 17:02	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:02	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:02	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:02	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:02	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:02	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:02	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:02	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:02	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 17:02	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:02	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:02	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 17:02	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 17:02	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 17:02	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:02	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:02	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 17:02	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 17:02	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:02	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:02	VV110425
108-90-7	Chlorobenzene	2.50		1	0.12	1.00	ug/L	11/04/25 17:02	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 17:02	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 17:02	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 17:02	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:02	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:02	VV110425

Raw Data: **VV039319.D**

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-2	SDG No.:	Q3534
Lab Sample ID:	Q3534-06	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 17:02	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:02	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:02	VV110425
106-46-7	1,4-Dichlorobenzene	1.60		1	0.19	1.00	ug/L	11/04/25 17:02	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:02	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 17:02	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:02	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:02	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.8			70 (74) - 130 (125)	120%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.3			70 (75) - 130 (124)	103%	SPK: 50		
2037-26-5	Toluene-d8	46.9			70 (86) - 130 (113)	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.6			70 (77) - 130 (121)	91%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	617000							
540-36-3	1,4-Difluorobenzene	1120000							
3114-55-4	Chlorobenzene-d5	1090000							
3855-82-1	1,4-Dichlorobenzene-d4	498000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	5.20	J			1.92	ug/L		
108-20-3	Diisopropyl ether	2.80	J			3.22	ug/L		
109-99-9	Tetrahydrofuran	4.50	J			4.26	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

Sample Results: **VV039319.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 05 00:39:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	616619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1121740	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1092486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	497981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	524263	59.835	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 119.660%#			
35) Dibromofluoromethane	4.500	113	453587	51.319	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 102.640%			
50) Toluene-d8	7.236	98	1410464	46.909	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.820%			
62) 4-Bromofluorobenzene	10.001	95	488084	45.579	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 91.160%			
Target Compounds						Qvalue
8) Diethyl Ether	1.921	74	26811	5.246	ug/l	99
22) Diisopropyl ether	3.217	45	65193	2.755	ug/l #	36
29) Tetrahydrofuran	4.256	42	15411m	4.498	ug/l	
65) Chlorobenzene	8.809	112	63971	2.473	ug/l	100
88) 1,4-Dichlorobenzene	11.198	146	30118	1.623	ug/l #	77

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

Sample Results: **VV039319.D**

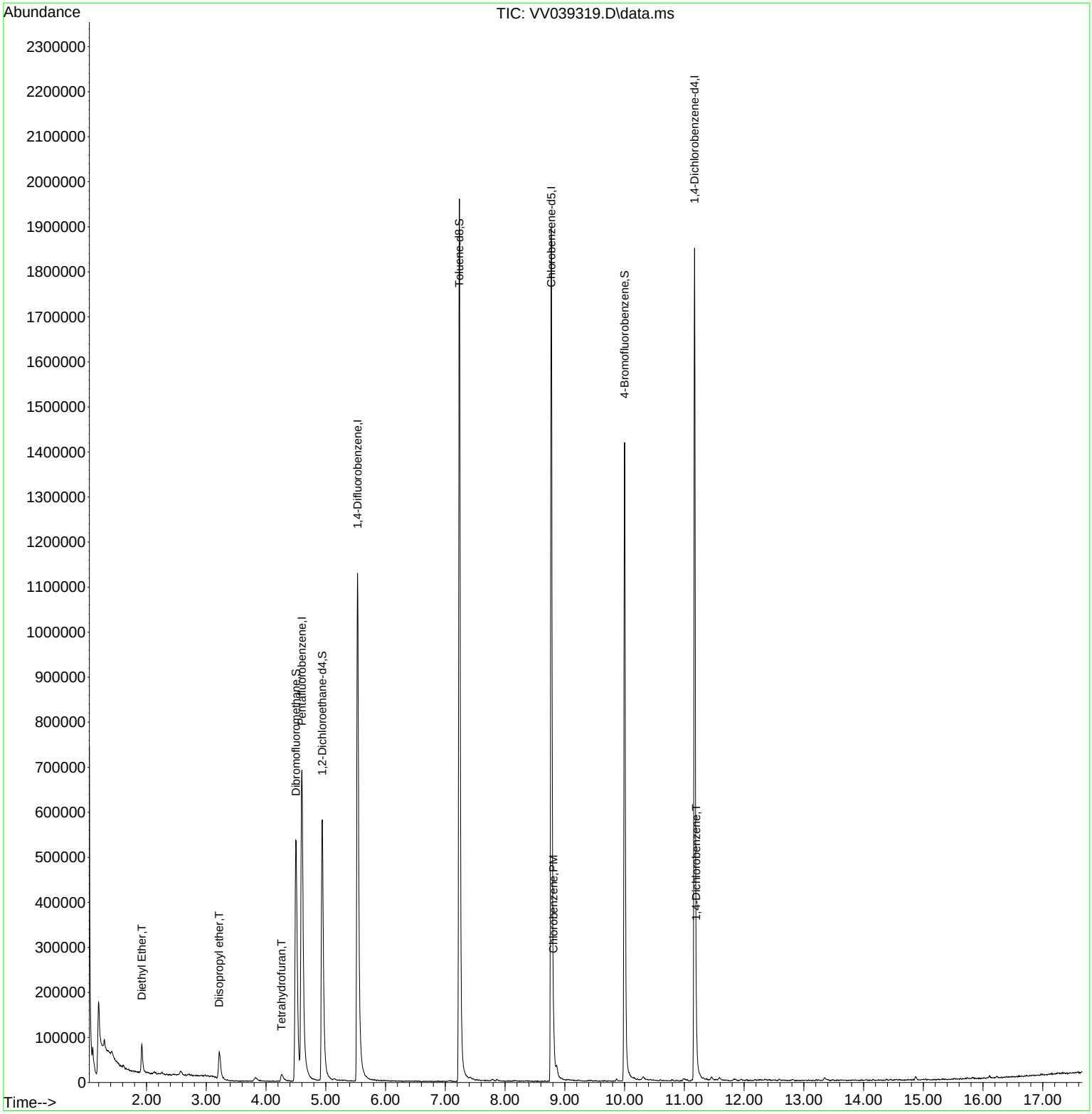
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

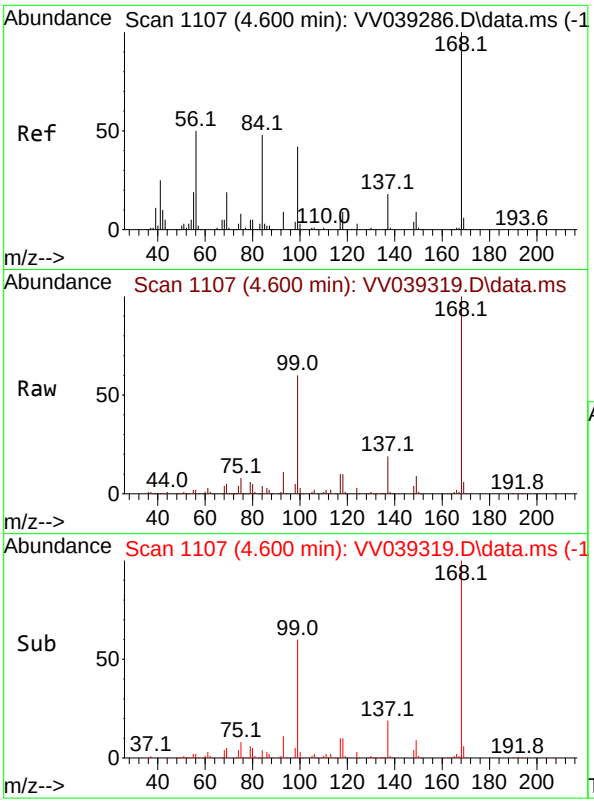
Quant Time: Nov 05 00:39:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

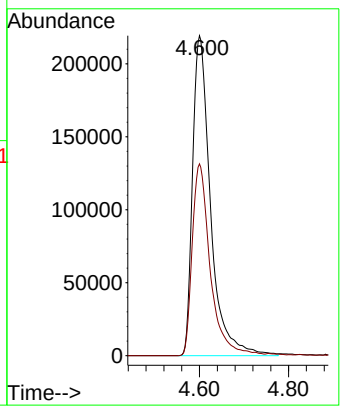




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion:168 Resp: 61661

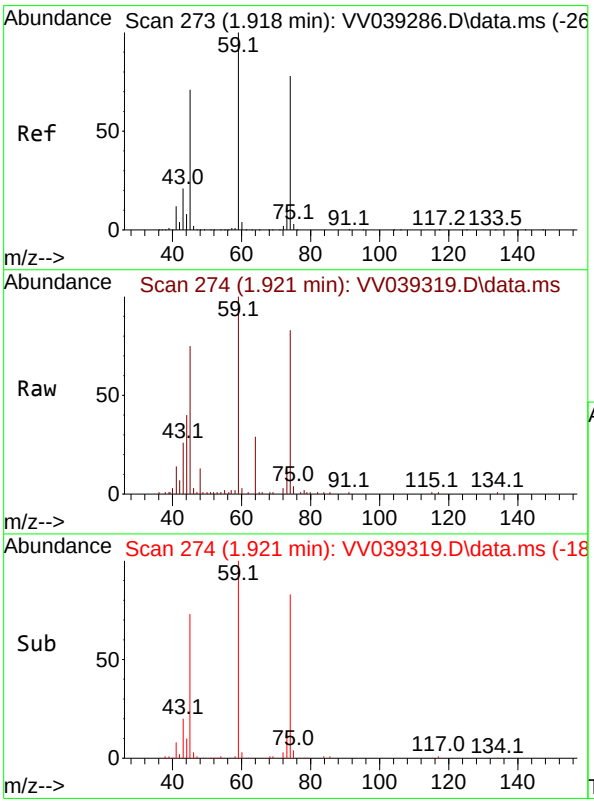
Ion	Ratio	Lower	Upper
168	100		
99	59.9	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Manual Integrations
APPROVED

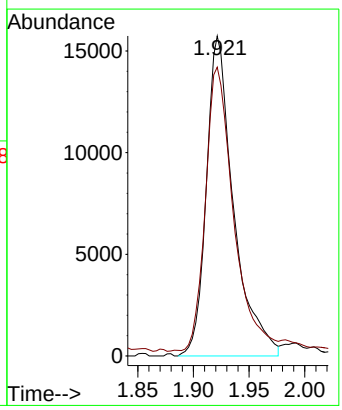
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

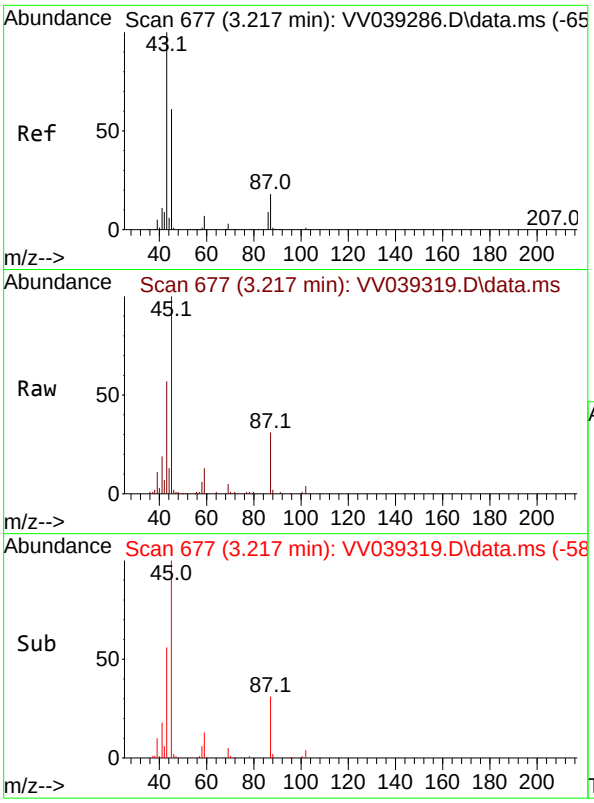


#8
Diethyl Ether
Concen: 5.246 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion: 74 Resp: 26811

Ion	Ratio	Lower	Upper
74	100		
45	91.2	45.9	137.7

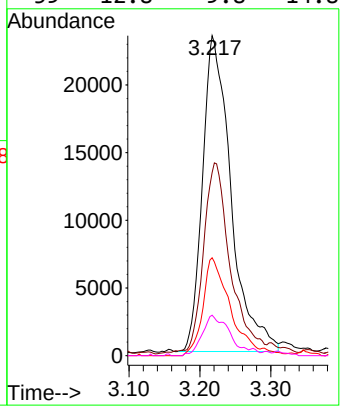




#22
Diisopropyl ether
Concen: 2.755 ug/l
RT: 3.217 min Scan# 6
Delta R.T. 0.000 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion: 45 Resp: 6519

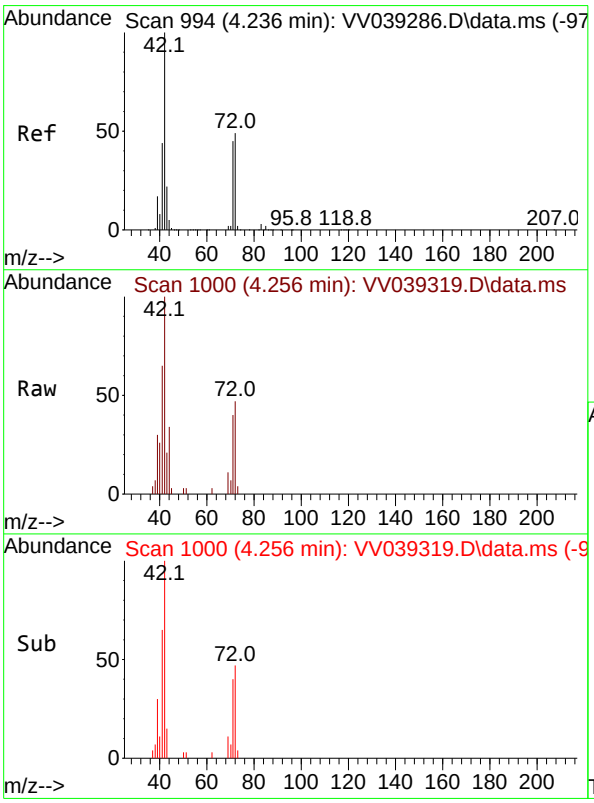
Ion	Ratio	Lower	Upper
45	100		
43	56.5	130.8	196.2#
87	31.0	23.8	35.8
59	12.8	9.8	14.8



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Manual Integrations
APPROVED

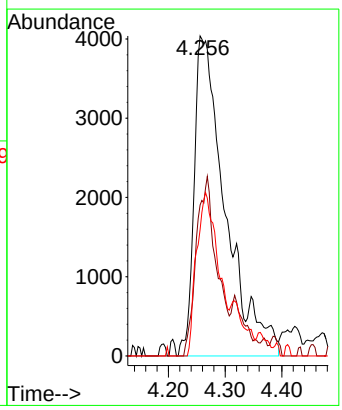
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

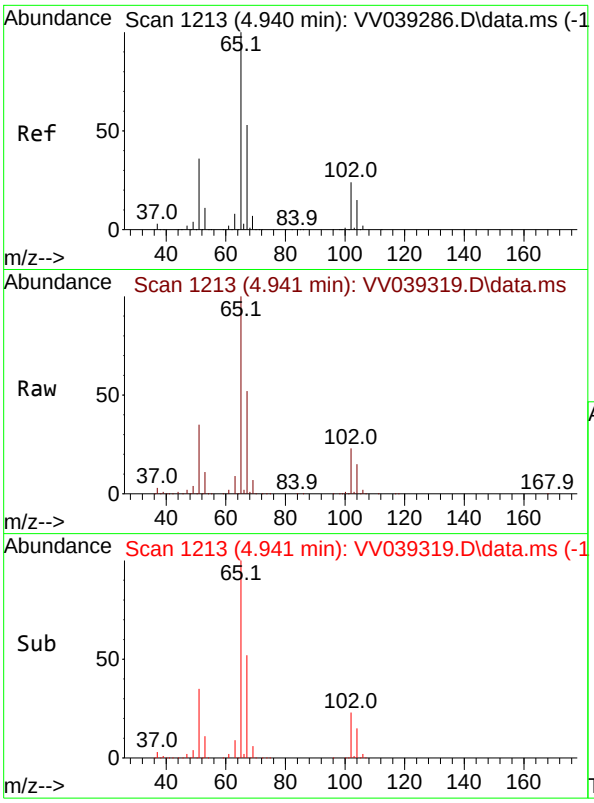


#29
Tetrahydrofuran
Concen: 4.498 ug/l m
RT: 4.256 min Scan# 1000
Delta R.T. 0.019 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion: 42 Resp: 15411

Ion	Ratio	Lower	Upper
42	100		
72	36.8	39.8	59.8#
71	35.6	36.5	54.7#

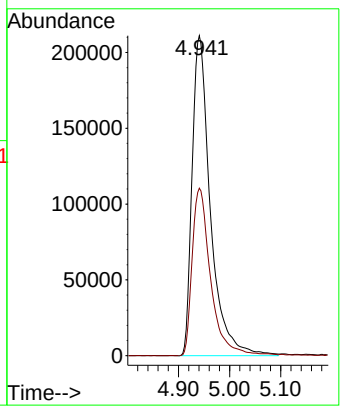




#33
1,2-Dichloroethane-d4
Concen: 59.835 ug/l
RT: 4.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion: 65 Resp: 52426

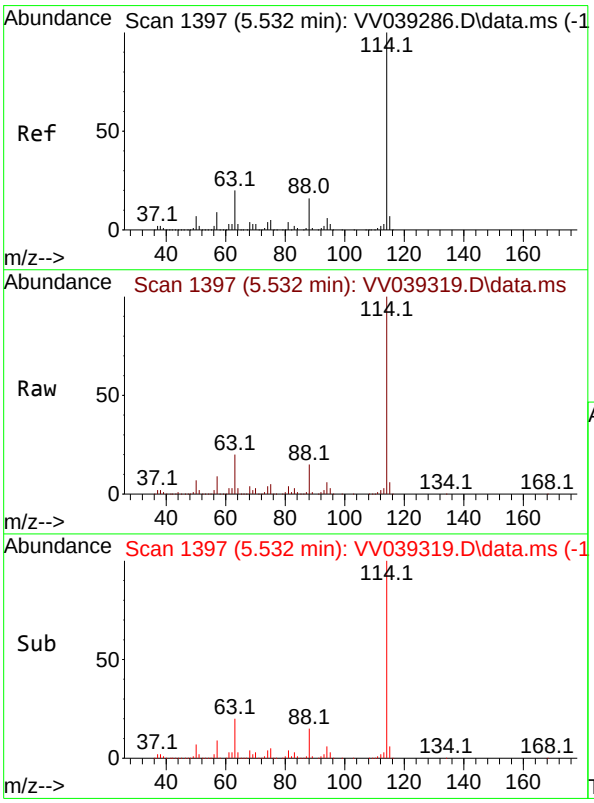
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	108.4



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Manual Integrations
APPROVED

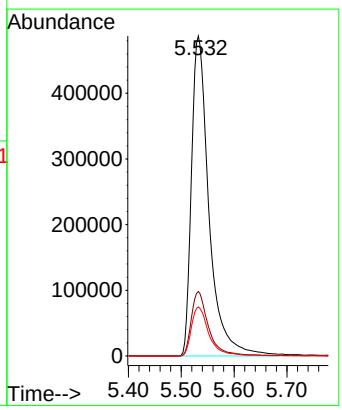
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

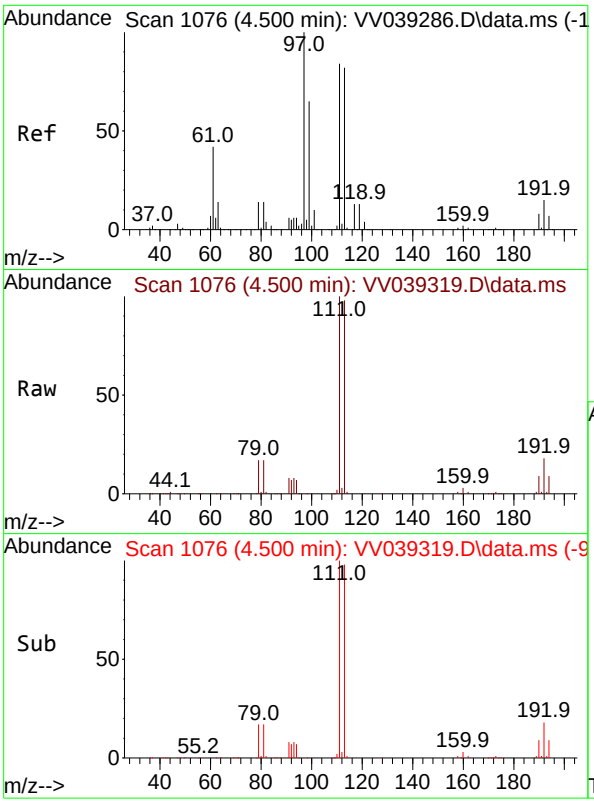


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion:114 Resp: 1121740

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.6
88	15.3	0.0	31.6

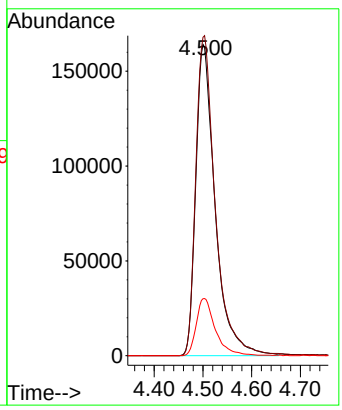




#35
Dibromofluoromethane
Concen: 51.319 ug/l
RT: 4.500 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion:113 Resp: 45358

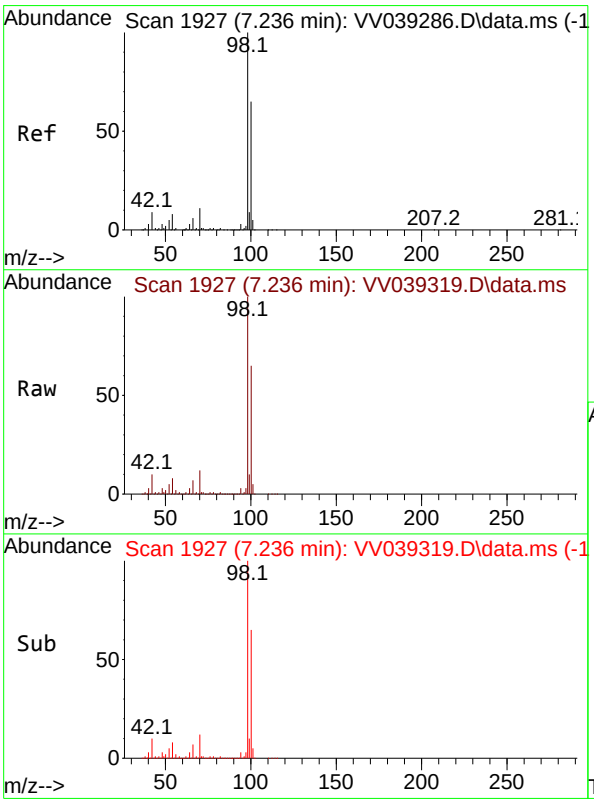
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	18.1	14.3	21.5



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Manual Integrations
APPROVED

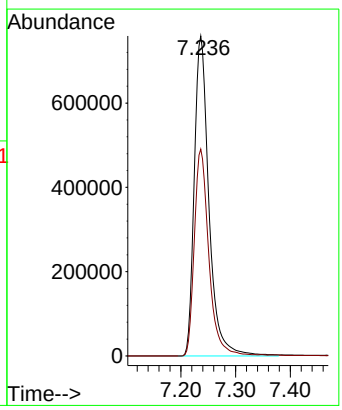
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

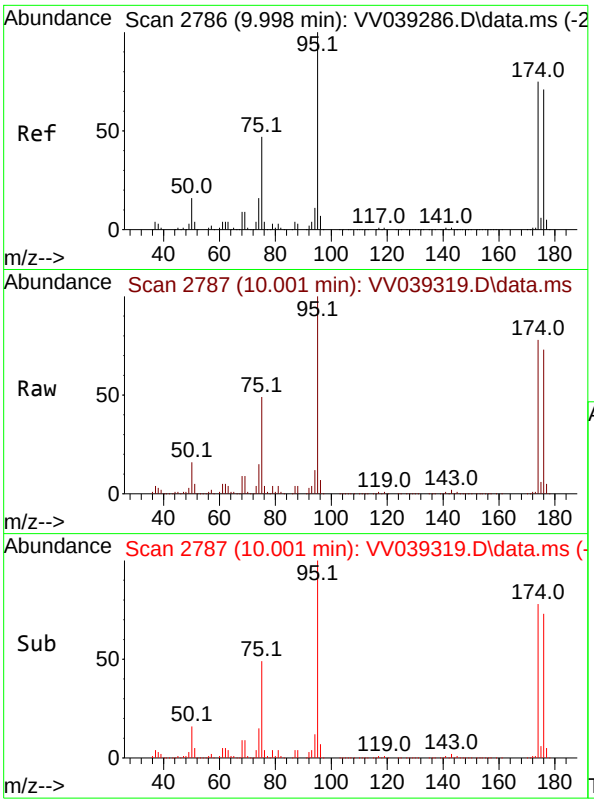


#50
Toluene-d8
Concen: 46.909 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion: 98 Resp: 1410464

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.8	79.2

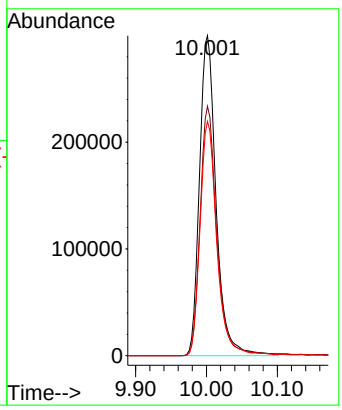




#62
4-Bromofluorobenzene
Concen: 45.579 ug/l
RT: 10.001 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion: 95 Resp: 48808

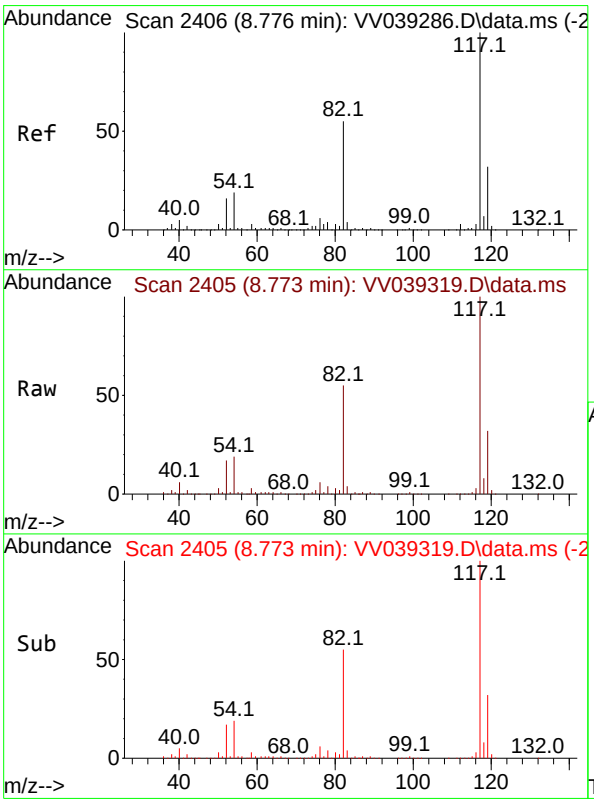
Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	153.6
176	73.7	0.0	146.0



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Manual Integrations
APPROVED

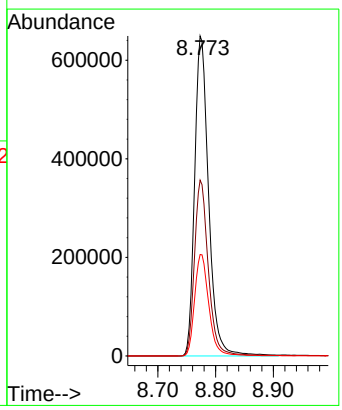
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

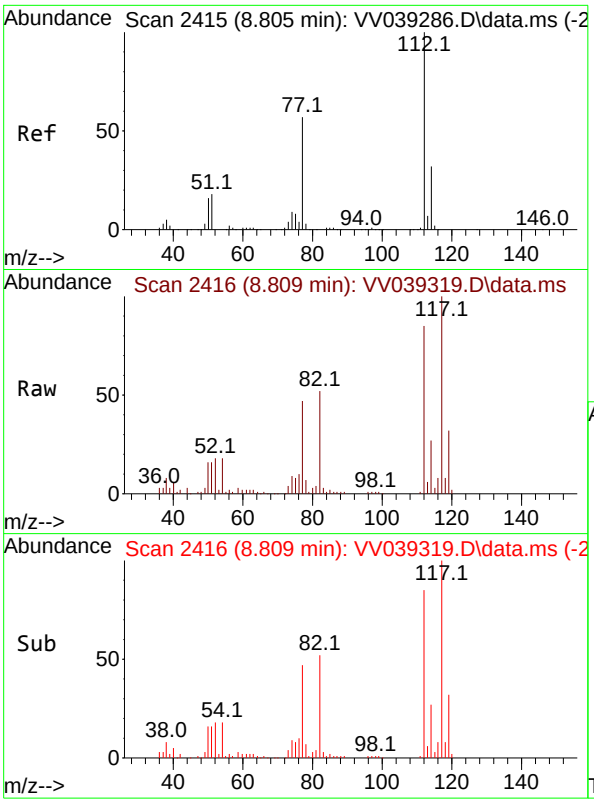


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion:117 Resp: 1092486

Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.8	65.8
119	31.7	25.8	38.6





#65
Chlorobenzene
Concen: 2.473 ug/l
RT: 8.809 min Scan# 24
Delta R.T. 0.003 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

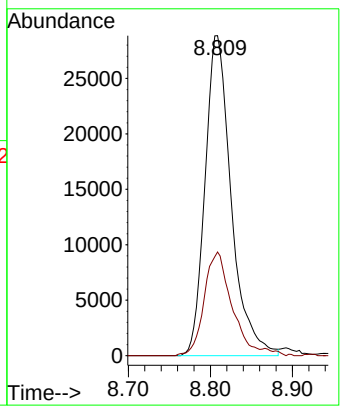
Tgt Ion:112 Resp: 6397

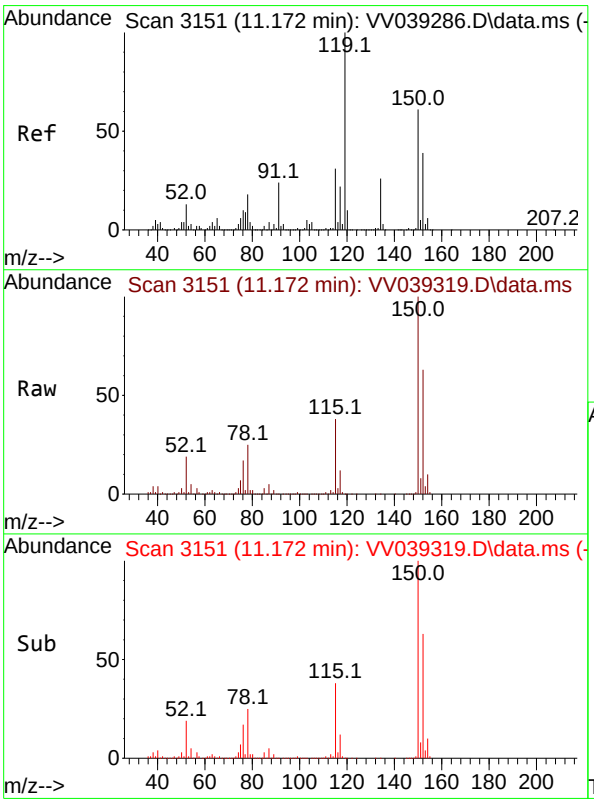
Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.7	38.5

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

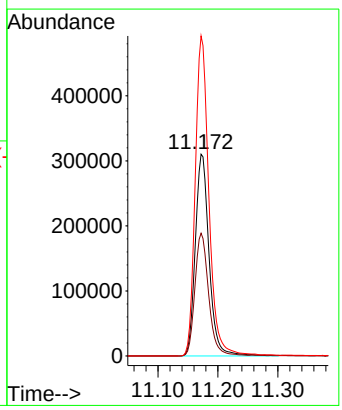


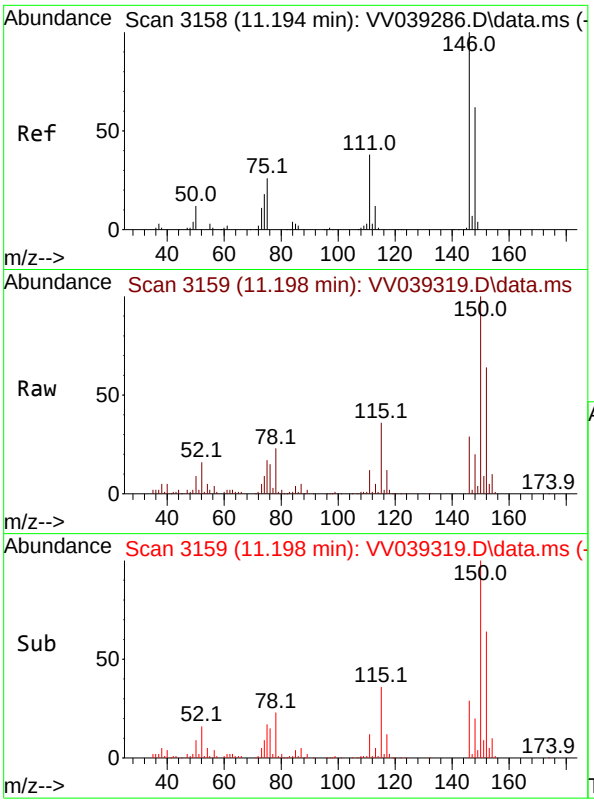


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion:152 Resp: 497981

Ion	Ratio	Lower	Upper
152	100		
115	60.9	42.3	126.8
150	157.1	0.0	348.0

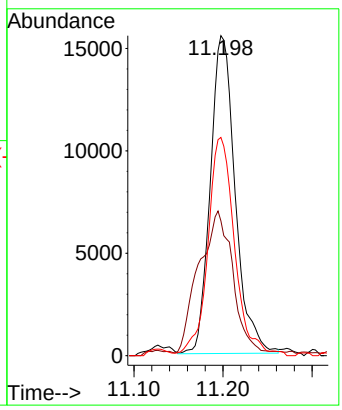




#88
1,4-Dichlorobenzene
Concen: 1.623 ug/l
RT: 11.198 min Scan# 3
Delta R.T. 0.003 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion:146 Resp: 3011

Ion	Ratio	Lower	Upper
146	100		
111	61.7	19.7	59.0#
148	73.9	31.5	94.5



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Sample Results: **VV039319.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039319.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.098	16	18	38	rVB3	59018	94063	2.57%	0.454%
2	1.198	39	49	69	rBV	157598	496180	13.55%	2.395%
3	1.921	267	274	287	rVB	59820	96826	2.64%	0.467%
4	3.217	666	677	697	rVB2	58557	144074	3.94%	0.695%
5	4.265	991	1003	1017	rBV6	15903	46415	1.27%	0.224%
6	4.500	1062	1076	1095	rBV	534175	1409101	38.49%	6.802%
7	4.600	1095	1107	1159	rVB	686767	1945960	53.15%	9.393%
8	4.941	1201	1213	1240	rBV	578361	1426173	38.95%	6.884%
9	5.532	1386	1397	1441	rBV	1127541	2616280	71.46%	12.629%
10	7.236	1914	1927	1961	rBV	1959805	3661166	100.00%	17.673%
11	8.773	2395	2405	2429	rBV	1895508	3382973	92.40%	16.330%
12	10.001	2774	2787	2809	rBV	1417977	2336459	63.82%	11.278%
13	11.172	3140	3151	3177	rBV	1847475	3060597	83.60%	14.774%

Sum of corrected areas: 20716267

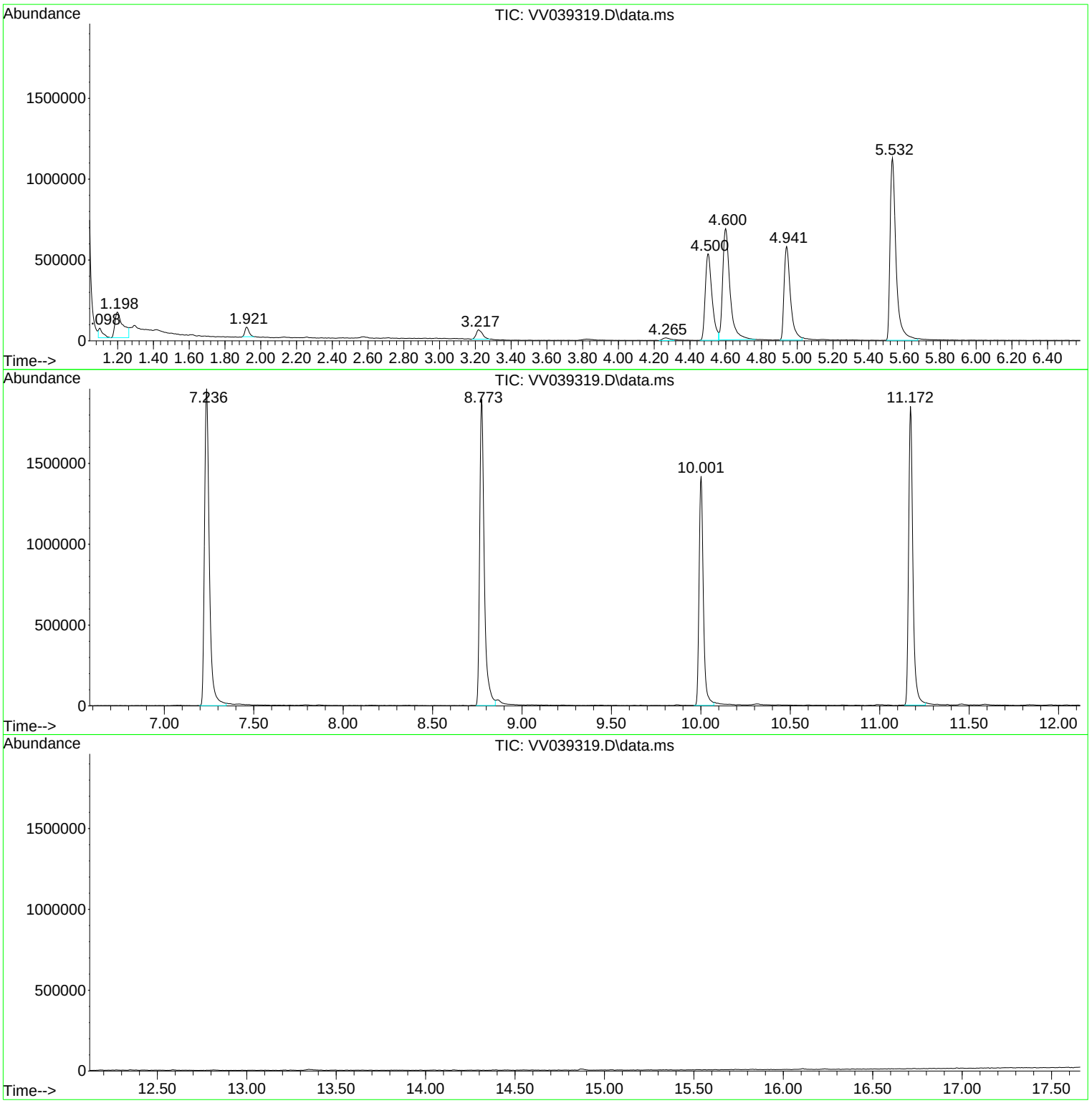
Sample Results: **VV039319.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VV039319.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110425\
Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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: **VV039320.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-3	SDG No.:	Q3534
Lab Sample ID:	Q3534-07	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

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	11/04/25 17:24	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 17:24	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:24	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 17:24	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 17:24	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 17:24	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:24	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:24	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 17:24	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:24	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:24	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 17:24	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 17:24	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:24	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:24	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 17:24	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 17:24	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:24	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:24	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:24	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:24	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:24	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:24	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:24	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:24	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 17:24	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:24	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:24	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 17:24	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 17:24	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 17:24	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:24	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:24	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 17:24	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 17:24	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:24	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:24	VV110425
108-90-7	Chlorobenzene	5.90		1	0.12	1.00	ug/L	11/04/25 17:24	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 17:24	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 17:24	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 17:24	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:24	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:24	VV110425

Raw Data: **VV039320.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/03/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	MW-EB-3	SDG No.:	Q3534
Lab Sample ID:	Q3534-07	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 17:24	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:24	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:24	VV110425
106-46-7	1,4-Dichlorobenzene	1.00		1	0.19	1.00	ug/L	11/04/25 17:24	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:24	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 17:24	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:24	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:24	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.4			70 (74) - 130 (125)	109%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.9			70 (75) - 130 (124)	96%	SPK: 50		
2037-26-5	Toluene-d8	45.6			70 (86) - 130 (113)	91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.4			70 (77) - 130 (121)	87%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	890000							
540-36-3	1,4-Difluorobenzene	1640000							
3114-55-4	Chlorobenzene-d5	1510000							
3855-82-1	1,4-Dichlorobenzene-d4	688000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	1.10	J			1.92	ug/L		
109-99-9	Tetrahydrofuran	2.00	J			4.27	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

Sample Results: **VV039320.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 05 00:40:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	890347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1641332	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1514755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	687973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	687885	54.372	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 108.740%			
35) Dibromofluoromethane	4.500	113	619545	47.906	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 95.820%			
50) Toluene-d8	7.236	98	2004989	45.572	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 91.140%			
62) 4-Bromofluorobenzene	9.998	95	679654	43.377	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 86.760%			
Target Compounds						Qvalue
8) Diethyl Ether	1.921	74	7972	1.080	ug/l	90
29) Tetrahydrofuran	4.272	42	9654m	1.952	ug/l	
65) Chlorobenzene	8.805	112	209972	5.855	ug/l	97
88) 1,4-Dichlorobenzene	11.194	146	26527	1.035	ug/l #	66

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

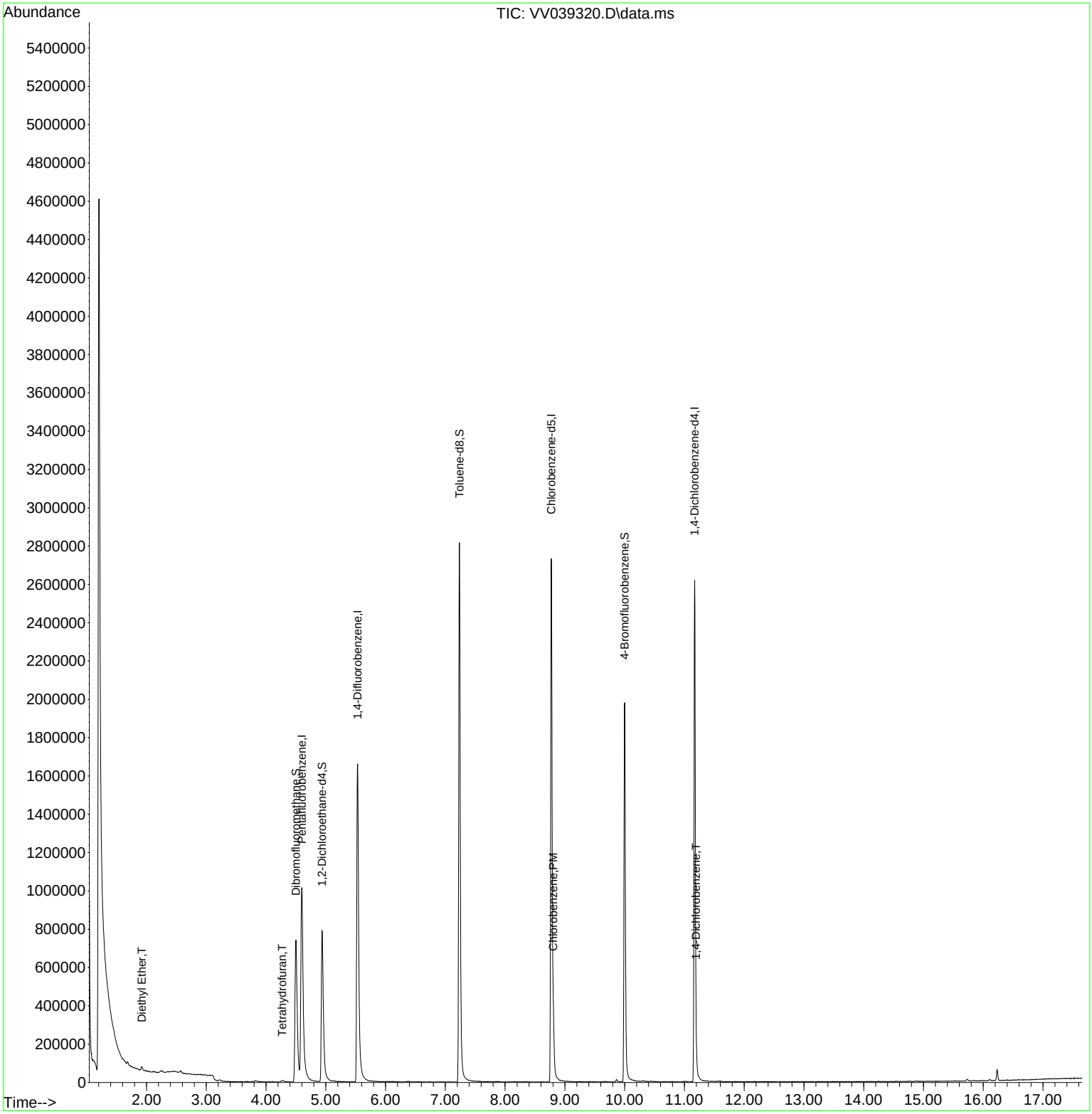
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

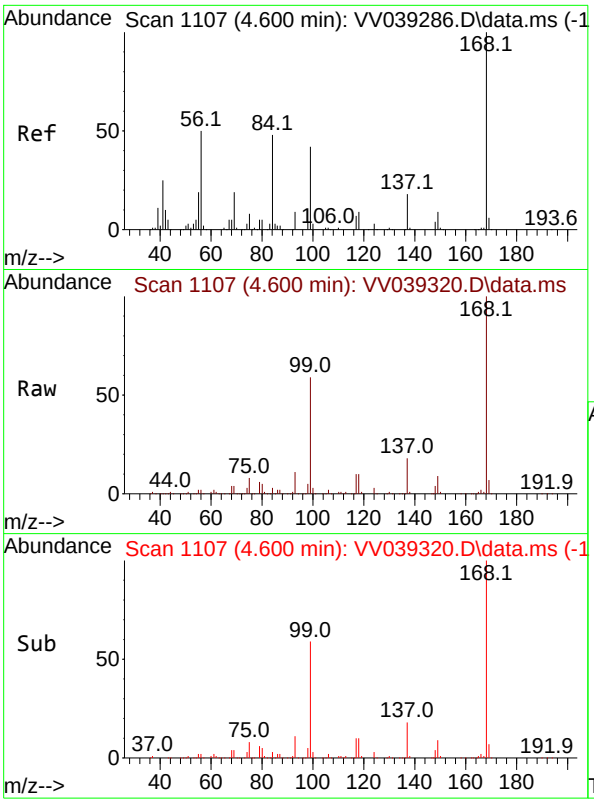
Quant Time: Nov 05 00:40:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

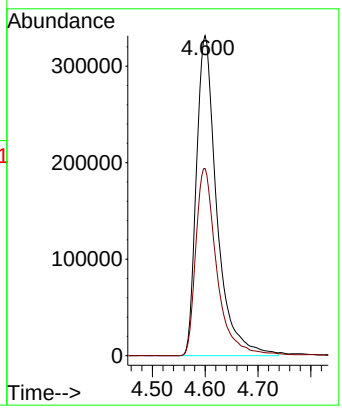




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion:168 Resp: 89034

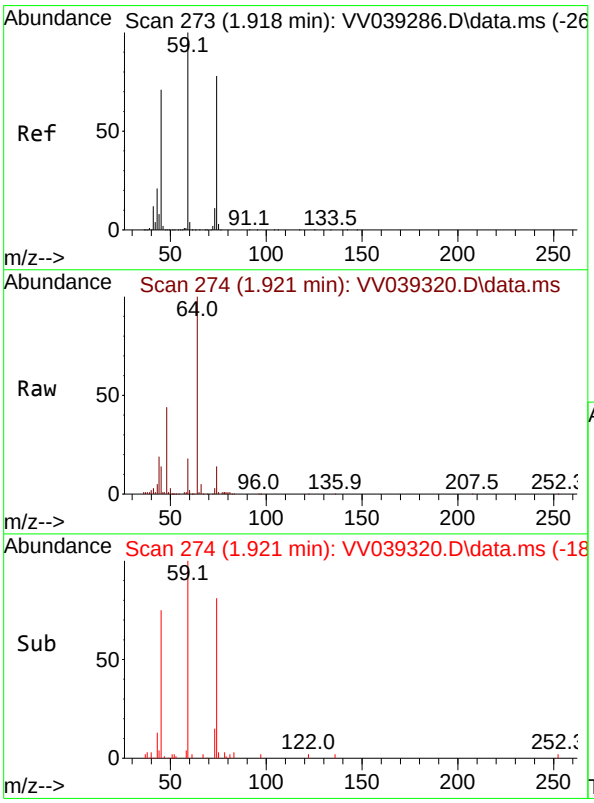
Ion	Ratio	Lower	Upper
168	100		
99	58.5	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Manual Integrations
APPROVED

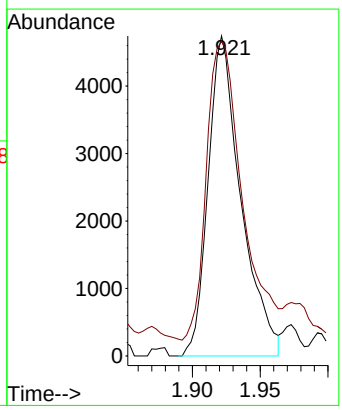
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

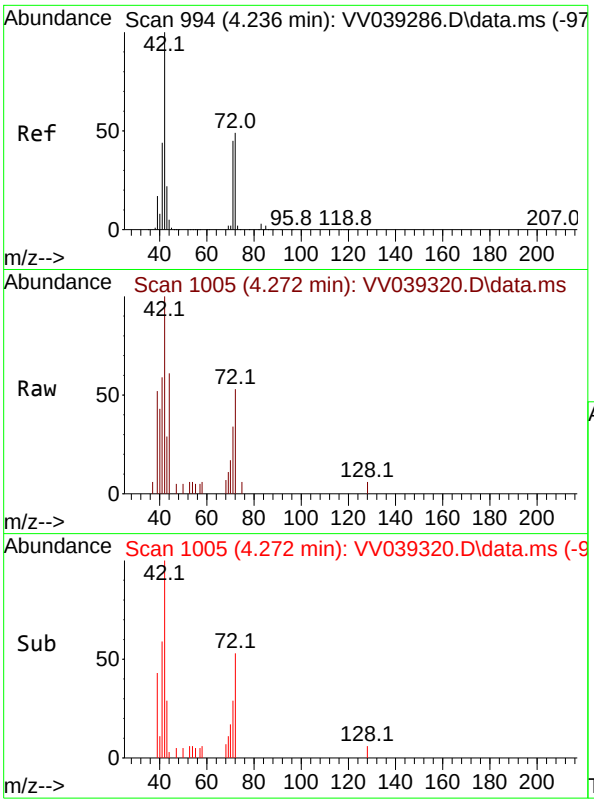


#8
Diethyl Ether
Concen: 1.080 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion: 74 Resp: 7972

Ion	Ratio	Lower	Upper
74	100		
45	101.8	45.9	137.7

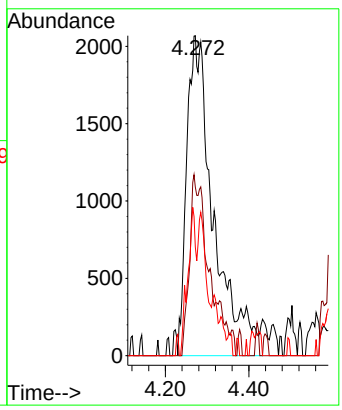




#29
Tetrahydrofuran
Concen: 1.952 ug/l m
RT: 4.272 min Scan# 1
Delta R.T. 0.036 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion: 42 Resp: 965

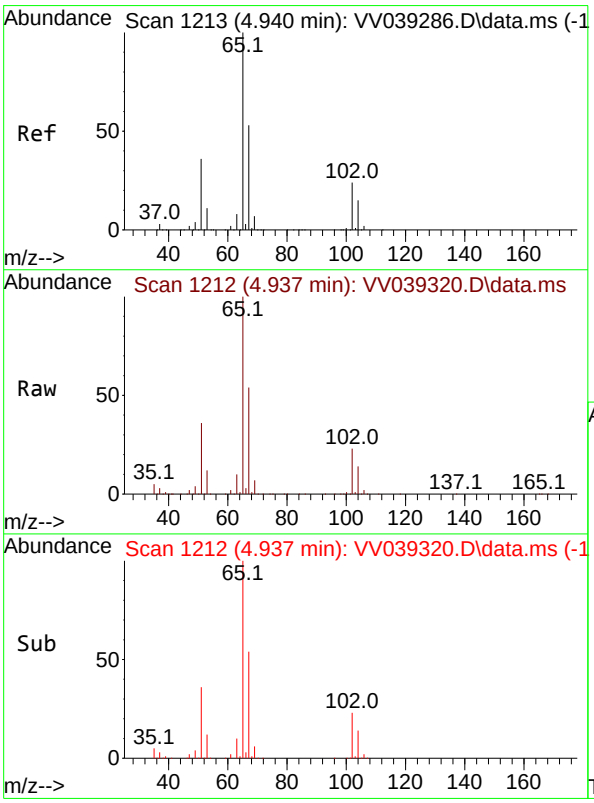
Ion	Ratio	Lower	Upper
42	100		
72	17.0	39.8	59.8#
71	13.6	36.5	54.7#



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Manual Integrations
APPROVED

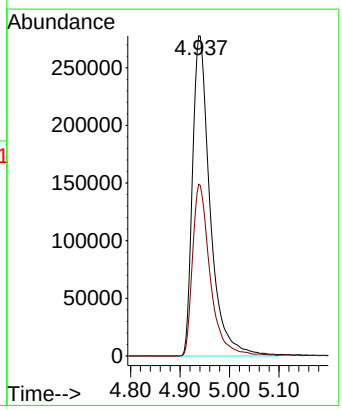
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

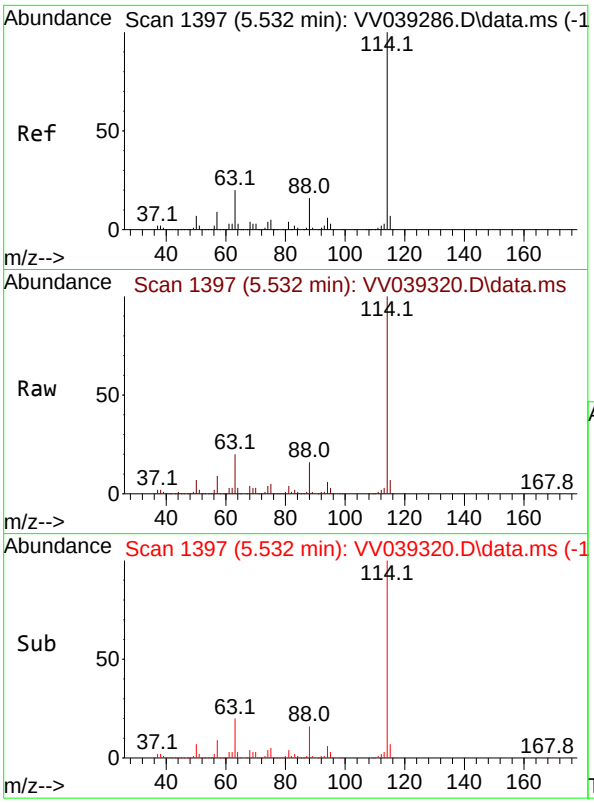


#33
1,2-Dichloroethane-d4
Concen: 54.372 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.003 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion: 65 Resp: 687885

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

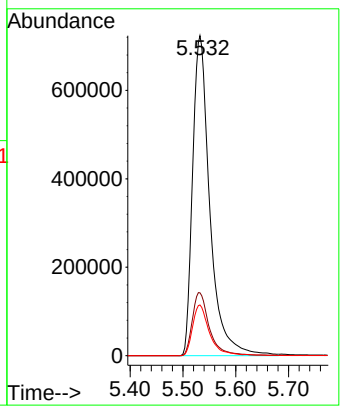
Tgt Ion:114 Resp: 164133

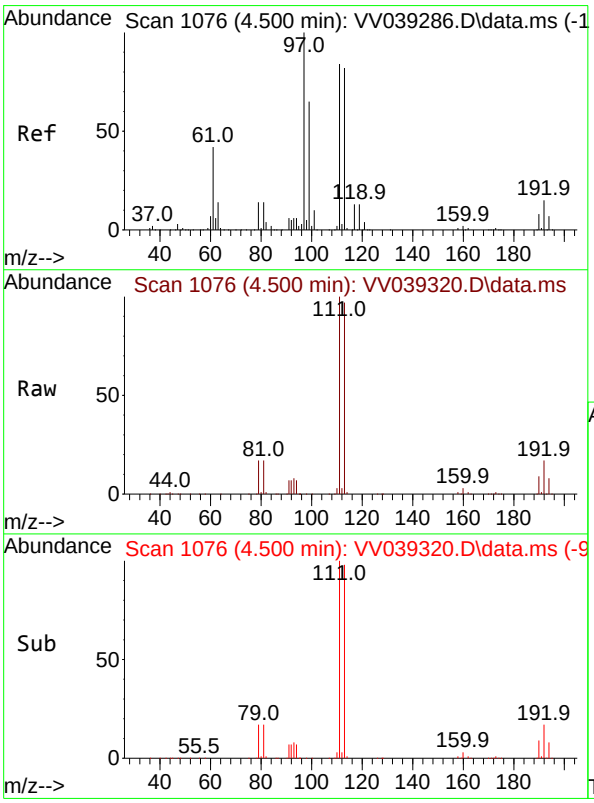
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.9	0.0	31.6

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

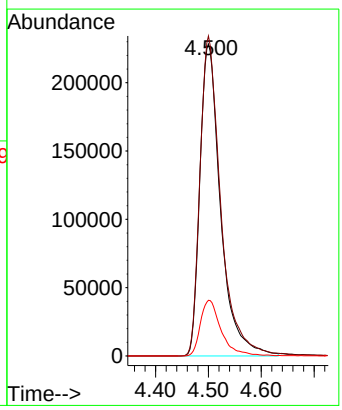


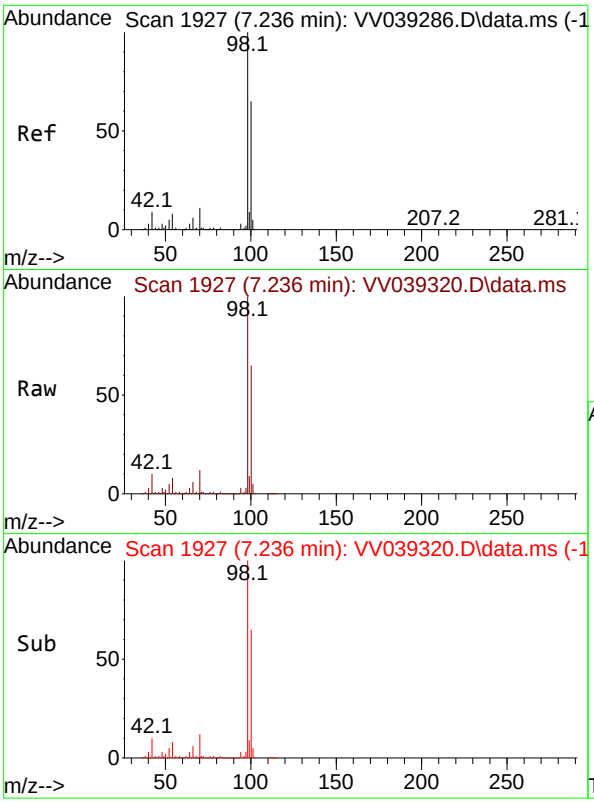


#35
Dibromofluoromethane
Concen: 47.906 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion:113 Resp: 619545

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	17.9	14.3	21.5





#50
Toluene-d8
Concen: 45.572 ug/l
RT: 7.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

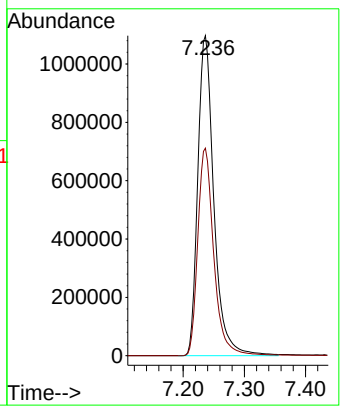
Tgt Ion: 98 Resp: 200498

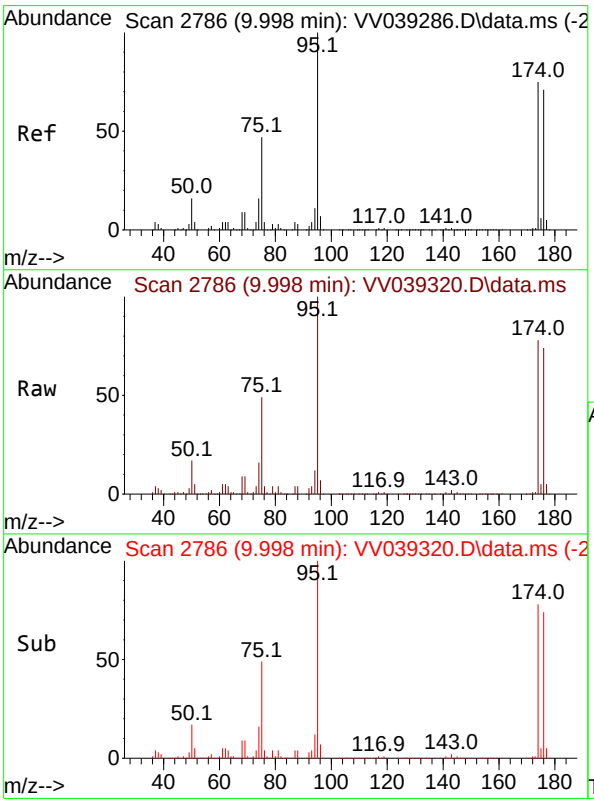
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.8	79.2

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

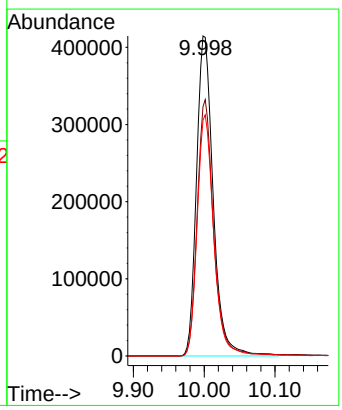


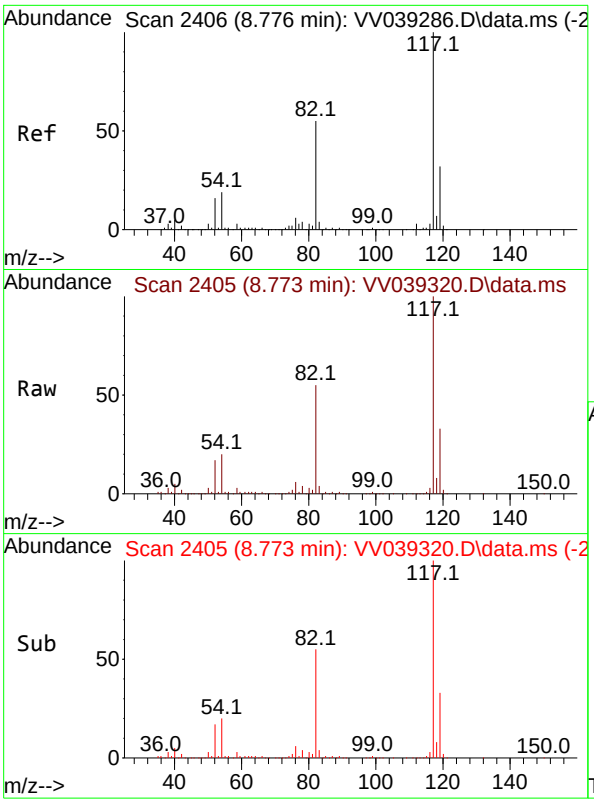


#62
4-Bromofluorobenzene
Concen: 43.377 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion: 95 Resp: 679654

Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	153.6
176	75.0	0.0	146.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

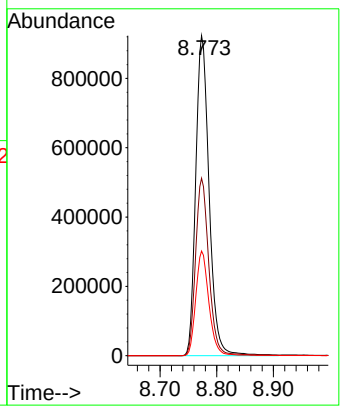
Tgt Ion:117 Resp: 151475

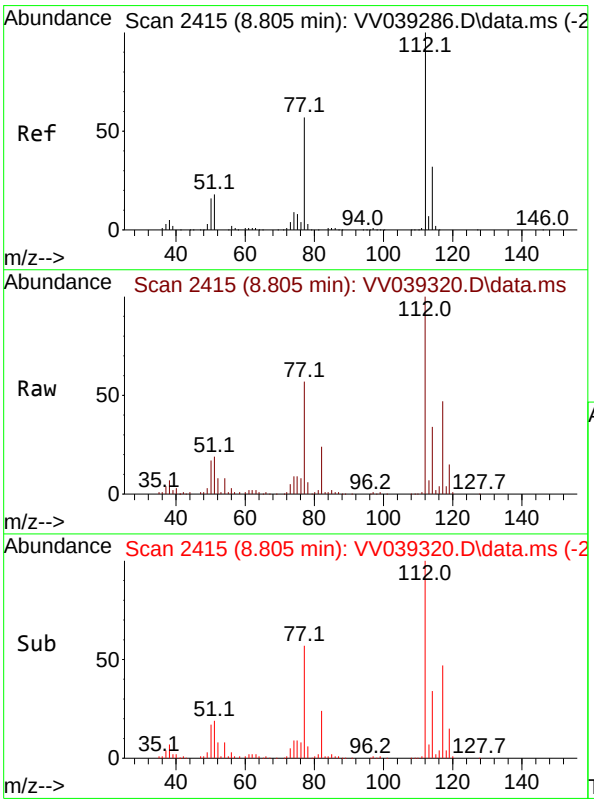
Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.8	65.8
119	32.7	25.8	38.6

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

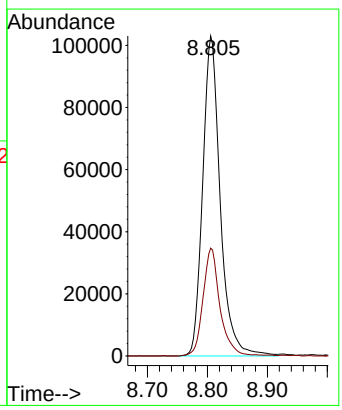


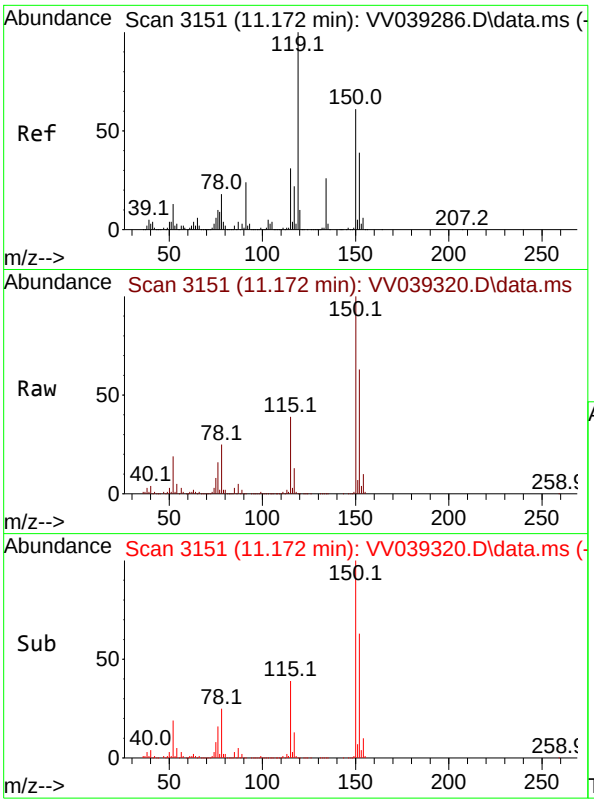


#65
Chlorobenzene
Concen: 5.855 ug/l
RT: 8.805 min Scan# 2415
Delta R.T. 0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion:112 Resp: 209972

Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.7	38.5

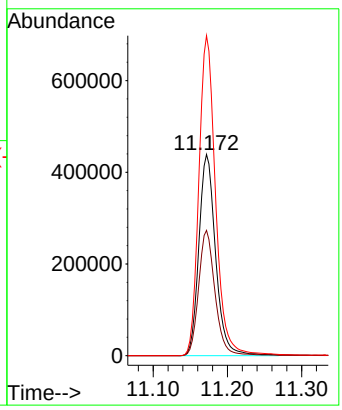




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion:152 Resp: 68797

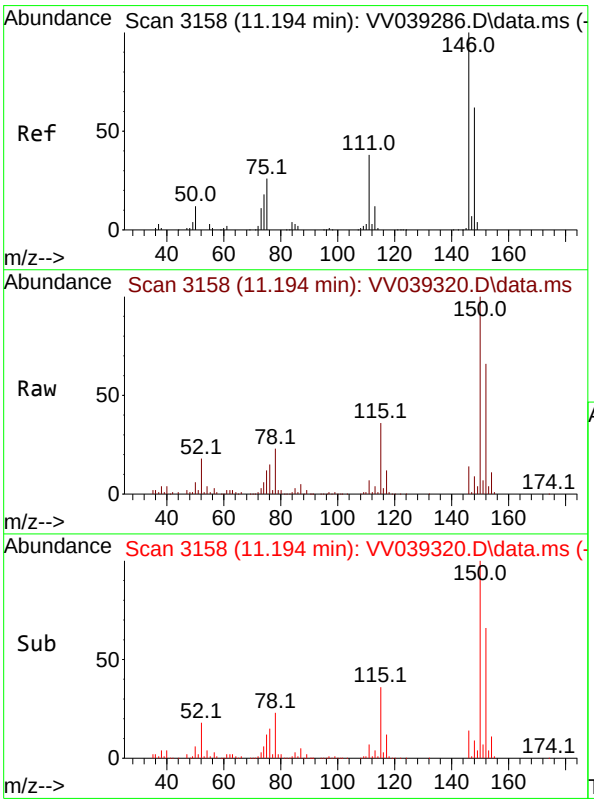
Ion	Ratio	Lower	Upper
152	100		
115	61.2	42.3	126.8
150	159.2	0.0	348.0



Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Manual Integrations
APPROVED

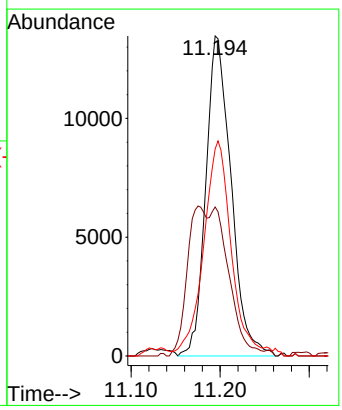
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#88
1,4-Dichlorobenzene
Concen: 1.035 ug/l
RT: 11.194 min Scan# 3158
Delta R.T. 0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion:146 Resp: 26527

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.7	59.0#
148	74.3	31.5	94.5



Sample Results: **VV039320.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039320.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.204	40	51	174	rBV	4546432	17106171	100.00%	37.689%
2	4.500	1059	1076	1094	rBV	741113	1931035	11.29%	4.255%
3	4.597	1095	1106	1151	rVB	1005659	2771517	16.20%	6.106%
4	4.937	1200	1212	1256	rBV	786917	1931923	11.29%	4.256%
5	5.532	1384	1397	1444	rBV	1659766	3805681	22.25%	8.385%
6	7.236	1914	1927	1969	rBV	2816143	5218406	30.51%	11.497%
7	8.773	2393	2405	2448	rBV	2732337	5115021	29.90%	11.270%
8	10.002	2776	2787	2818	rBV	1980656	3278748	19.17%	7.224%
9	11.172	3138	3151	3190	rBV	2619741	4229243	24.72%	9.318%

Sum of corrected areas: 45387745

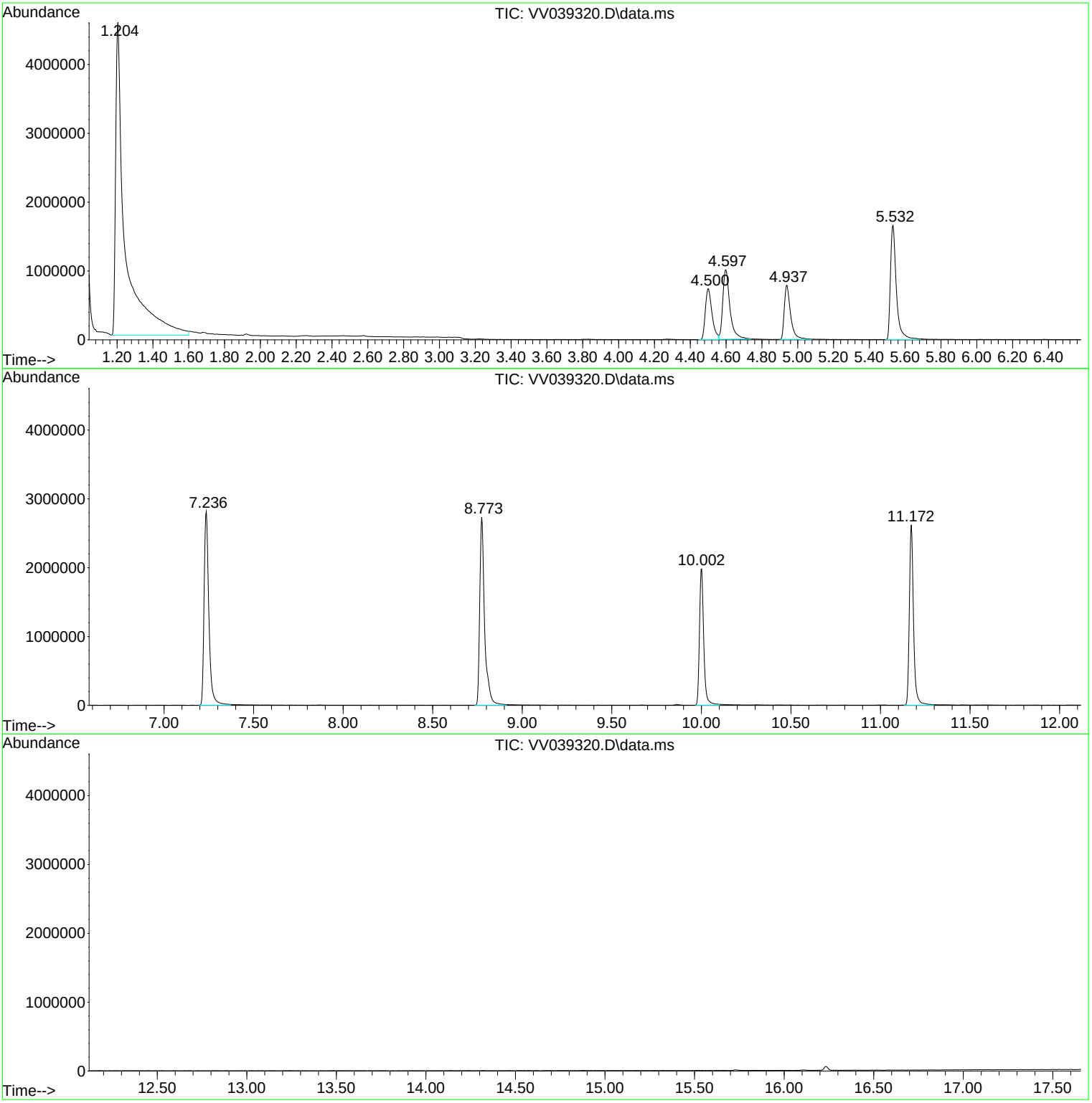
Sample Results: **VV039320.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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: **VV039316.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	FB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-09	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

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	11/04/25 15:54	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 15:54	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 15:54	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 15:54	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 15:54	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 15:54	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 15:54	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 15:54	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 15:54	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 15:54	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 15:54	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 15:54	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 15:54	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 15:54	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 15:54	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 15:54	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 15:54	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 15:54	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 15:54	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 15:54	VV110425
67-66-3	Chloroform	0.76	J	1	0.25	1.00	ug/L	11/04/25 15:54	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 15:54	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 15:54	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 15:54	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 15:54	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 15:54	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 15:54	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 15:54	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 15:54	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 15:54	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 15:54	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 15:54	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 15:54	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 15:54	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 15:54	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 15:54	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 15:54	VV110425
108-90-7	Chlorobenzene	0.59	J	1	0.12	1.00	ug/L	11/04/25 15:54	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 15:54	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 15:54	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 15:54	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 15:54	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 15:54	VV110425

Raw Data: **VV039316.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	FB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-09	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 15:54	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 15:54	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 15:54	VV110425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/04/25 15:54	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 15:54	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 15:54	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 15:54	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 15:54	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.4			70 (74) - 130 (125)	123%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.1			70 (75) - 130 (124)	106%	SPK: 50		
2037-26-5	Toluene-d8	48.9			70 (86) - 130 (113)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.6			70 (77) - 130 (121)	95%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	711000							
540-36-3	1,4-Difluorobenzene	1310000							
3114-55-4	Chlorobenzene-d5	1270000							
3855-82-1	1,4-Dichlorobenzene-d4	579000							

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_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Quant Time: Nov 05 00:38:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

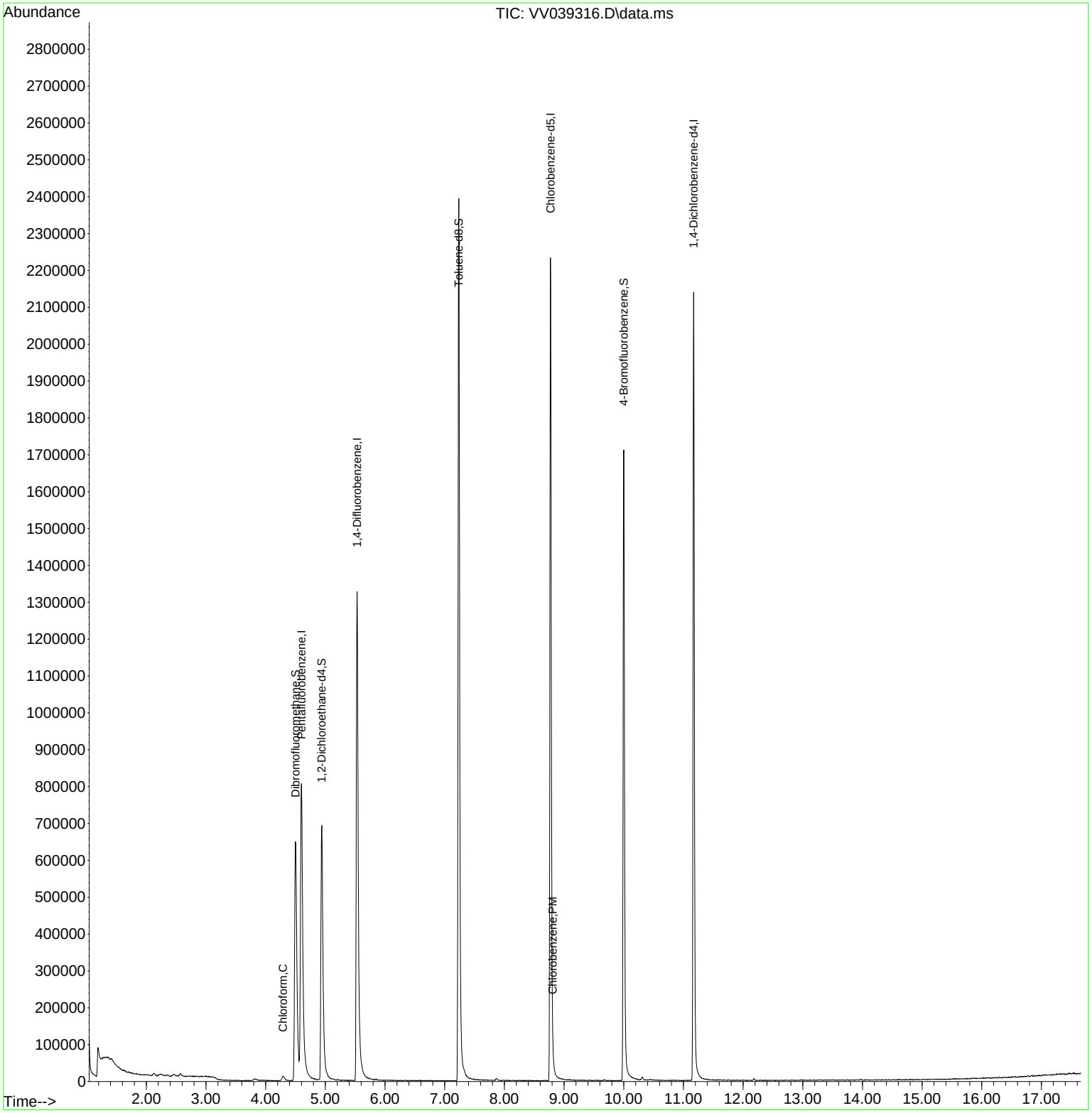
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	711203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1312588	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1267623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	578801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	620023	61.353	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 122.700%#			
35) Dibromofluoromethane	4.500	113	549147	53.097	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 106.200%			
50) Toluene-d8	7.236	98	1720807	48.909	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 97.820%			
62) 4-Bromofluorobenzene	10.001	95	596656	47.617	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 95.240%			
Target Compounds						Qvalue
30) Chloroform	4.291	83	14184	0.761	ug/l	96
65) Chlorobenzene	8.812	112	17643	0.588	ug/l	95

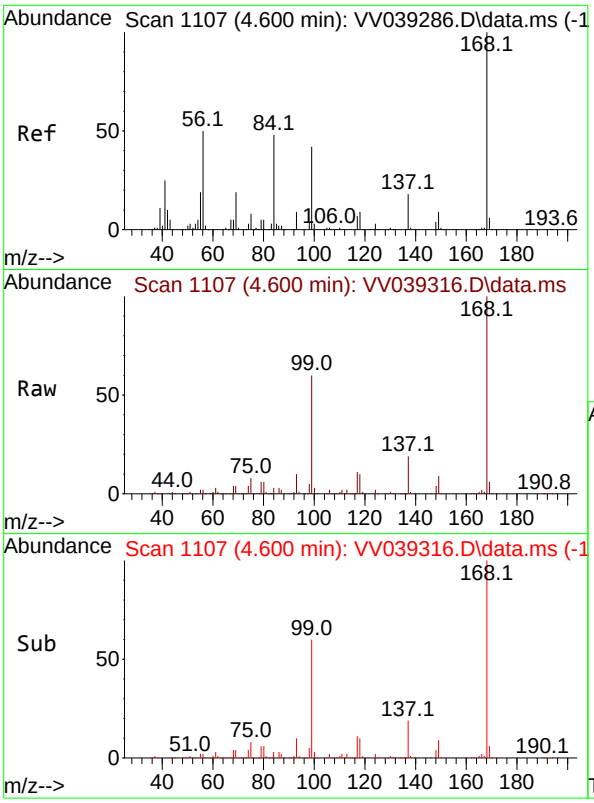
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Quant Time: Nov 05 00:38:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



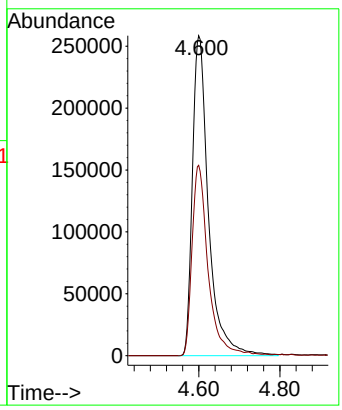


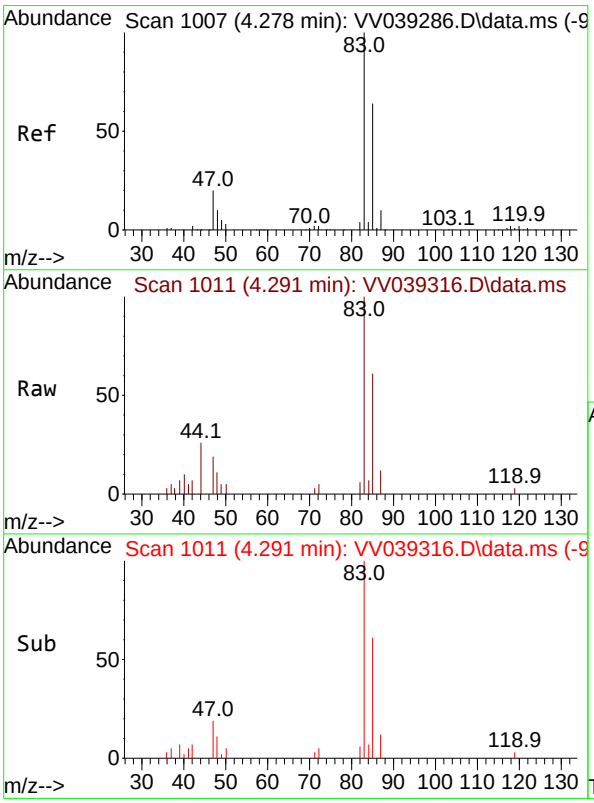
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Tgt Ion:168 Resp: 711203

Ion	Ratio	Lower	Upper
168	100		
99	59.5	46.6	70.0

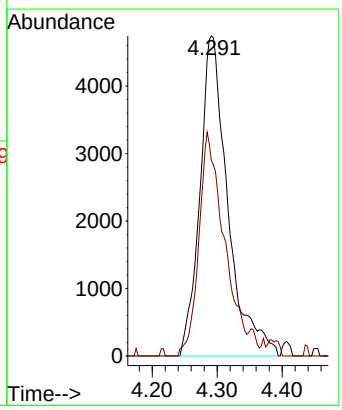


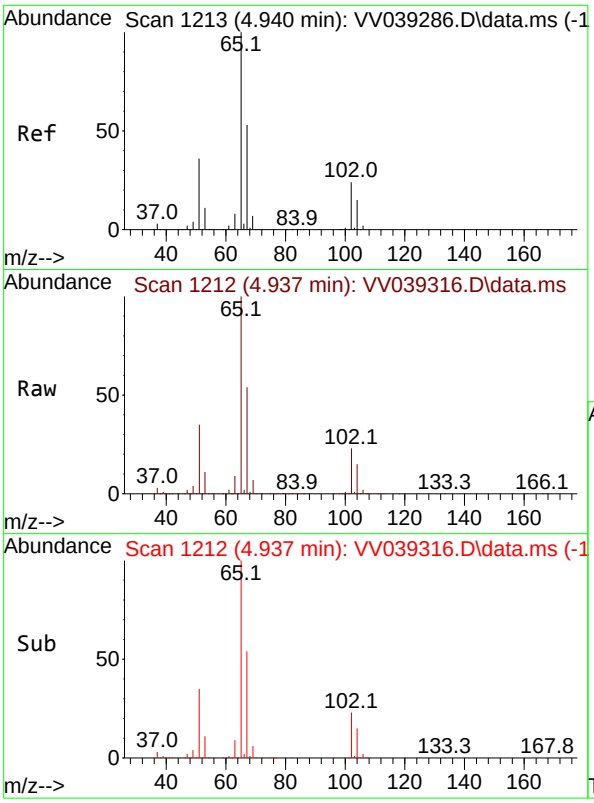


#30
Chloroform
Concen: 0.761 ug/l
RT: 4.291 min Scan# 1011
Delta R.T. 0.013 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Tgt Ion: 83 Resp: 14184

Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.1	76.7



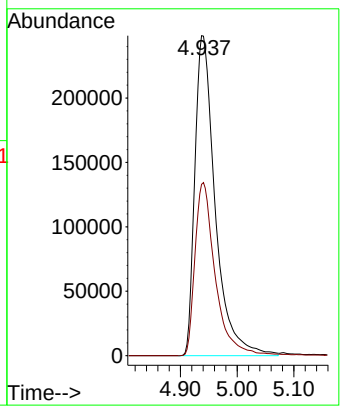


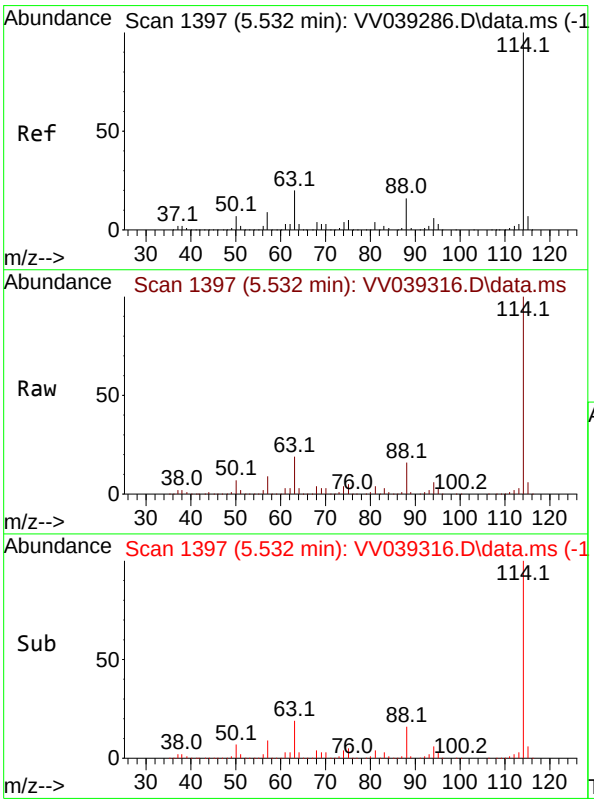
#33
1,2-Dichloroethane-d4
Concen: 61.353 ug/l
RT: 4.937 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Tgt Ion: 65 Resp: 620023

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.4

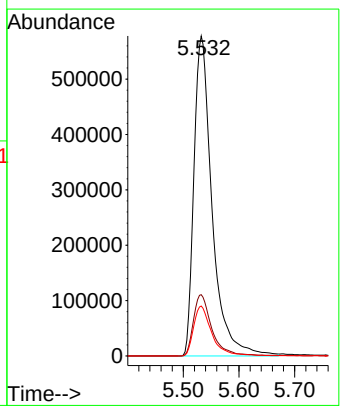


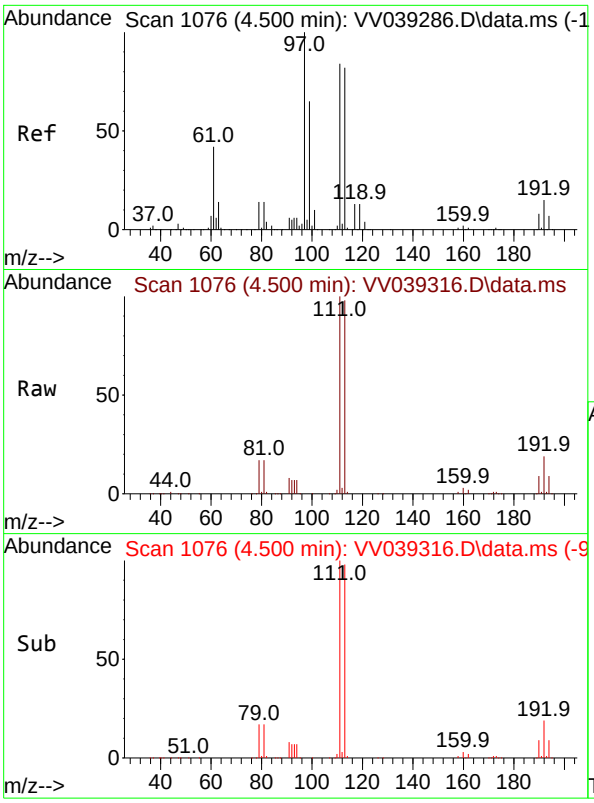


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Tgt Ion:114 Resp: 1312588

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.6	0.0	31.6



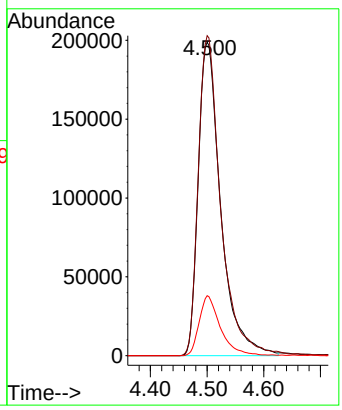


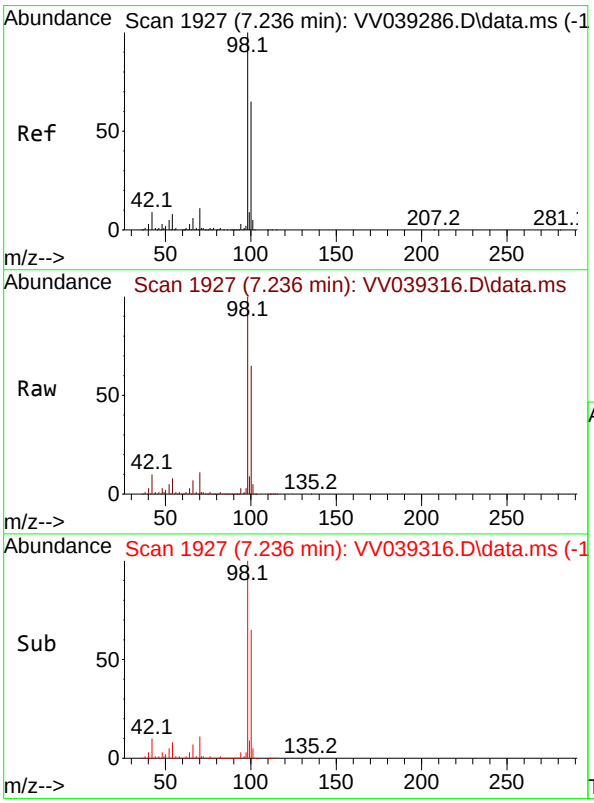
#35
Dibromofluoromethane
Concen: 53.097 ug/l
RT: 4.500 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Tgt Ion:113 Resp: 549147

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	18.1	14.3	21.5

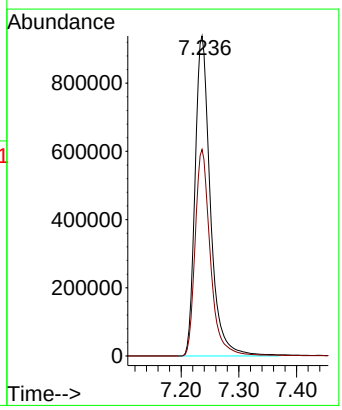


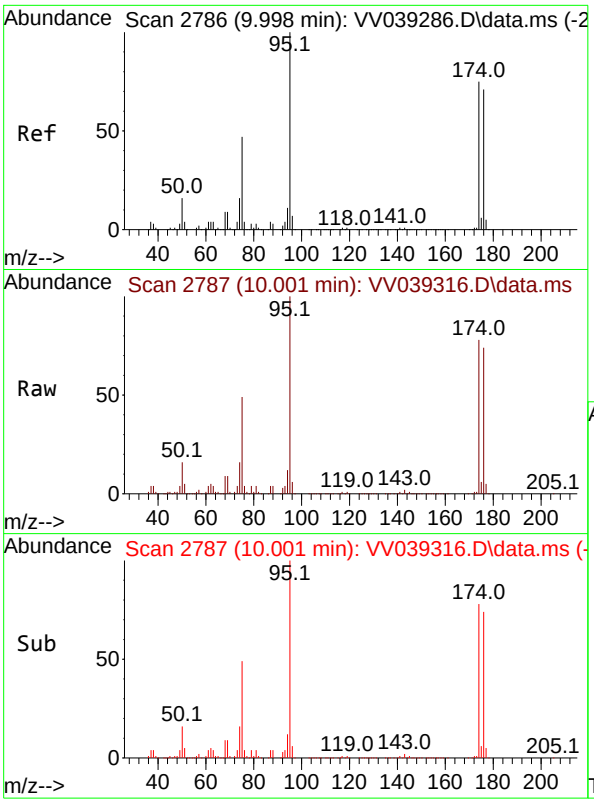


#50
Toluene-d8
Concen: 48.909 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Tgt Ion: 98 Resp: 1720807

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.8	79.2



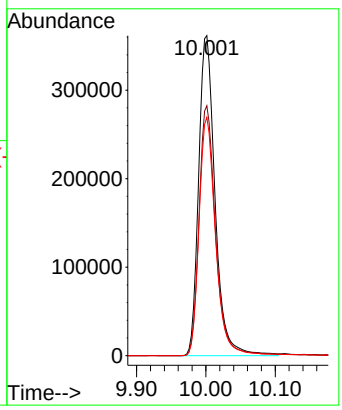


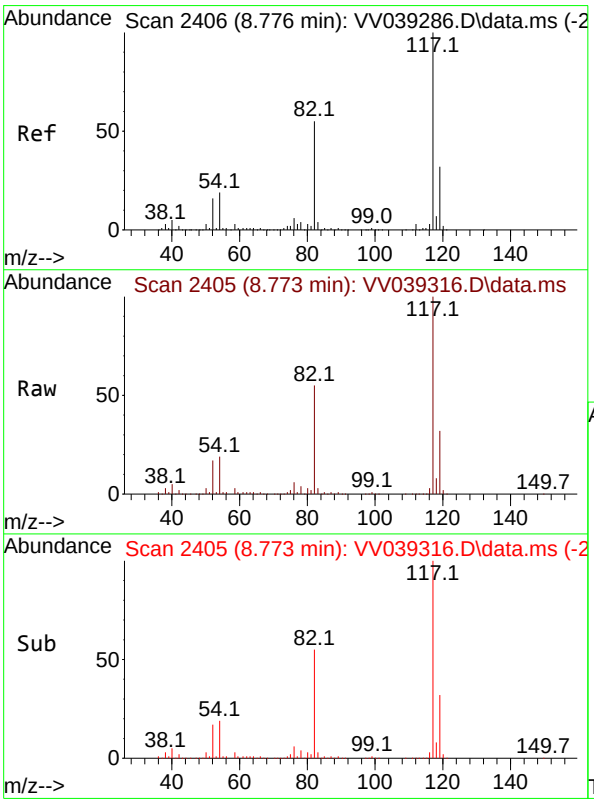
#62
4-Bromofluorobenzene
Concen: 47.617 ug/l
RT: 10.001 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Tgt Ion: 95 Resp: 596656

Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	153.6
176	75.0	0.0	146.0

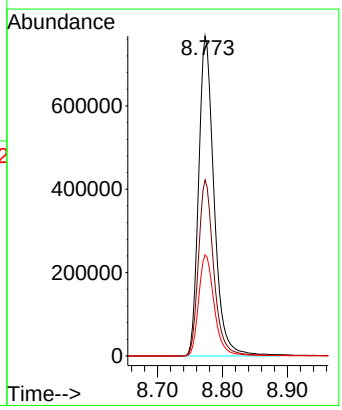


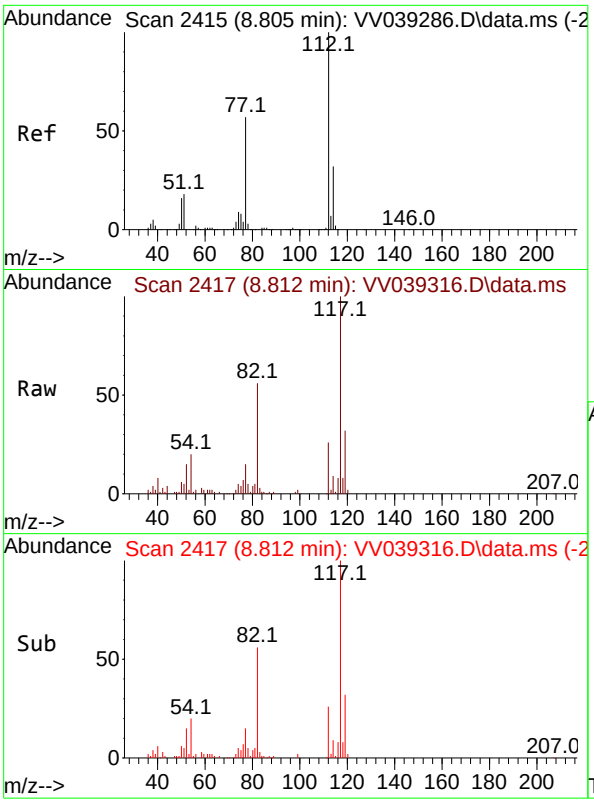


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Tgt Ion:117 Resp: 1267623

Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.8	65.8
119	31.6	25.8	38.6



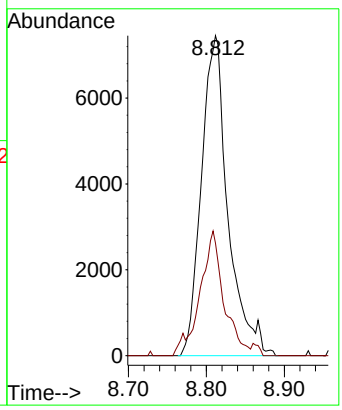


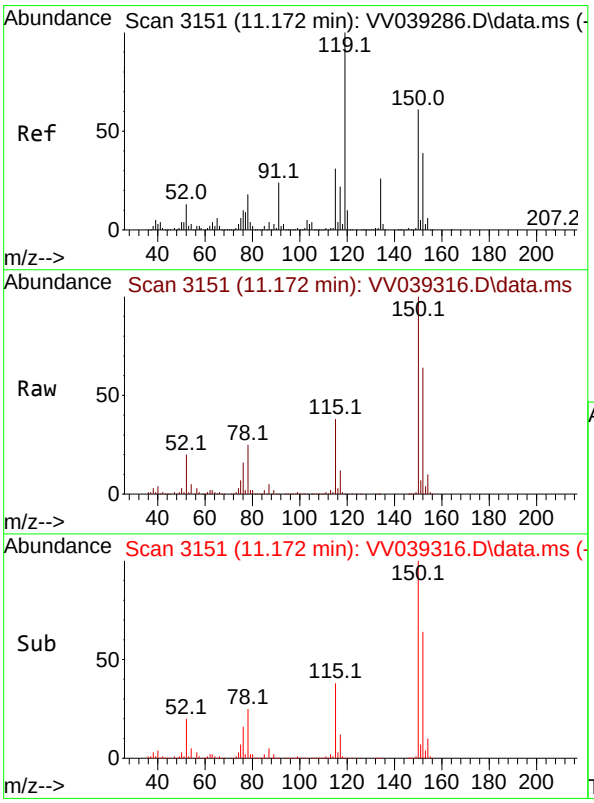
#65
Chlorobenzene
Concen: 0.588 ug/l
RT: 8.812 min Scan# 24
Delta R.T. 0.006 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Tgt Ion:112 Resp: 17643

Ion	Ratio	Lower	Upper
112	100		
114	35.2	25.7	38.5

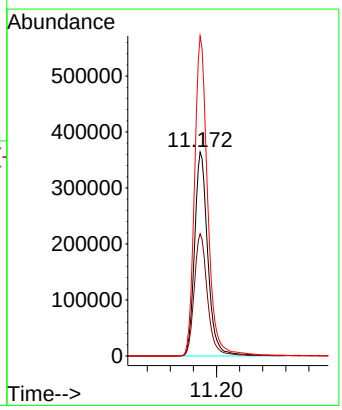




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Tgt Ion:152 Resp: 578801

Ion	Ratio	Lower	Upper
152	100		
115	60.0	42.3	126.8
150	156.0	0.0	348.0



Sample Results: **VV039316.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039316.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.188	39	46	62	rBV	77764	230667	5.16%	0.982%
2	4.500	1061	1076	1095	rBV	648128	1708681	38.24%	7.274%
3	4.600	1095	1107	1152	rVB2	798101	2207904	49.41%	9.399%
4	4.940	1200	1213	1253	rBV	687792	1722374	38.55%	7.332%
5	5.532	1385	1397	1439	rBV	1326099	3051119	68.28%	12.988%
6	7.236	1915	1927	1964	rBV	2392315	4468391	100.00%	19.021%
7	8.773	2394	2405	2440	rBV	2232490	3783271	84.67%	16.105%
8	10.001	2776	2787	2828	rBV	1710676	2898741	64.87%	12.339%
9	11.172	3139	3151	3189	rBV	2137908	3420476	76.55%	14.560%

Sum of corrected areas: 23491624

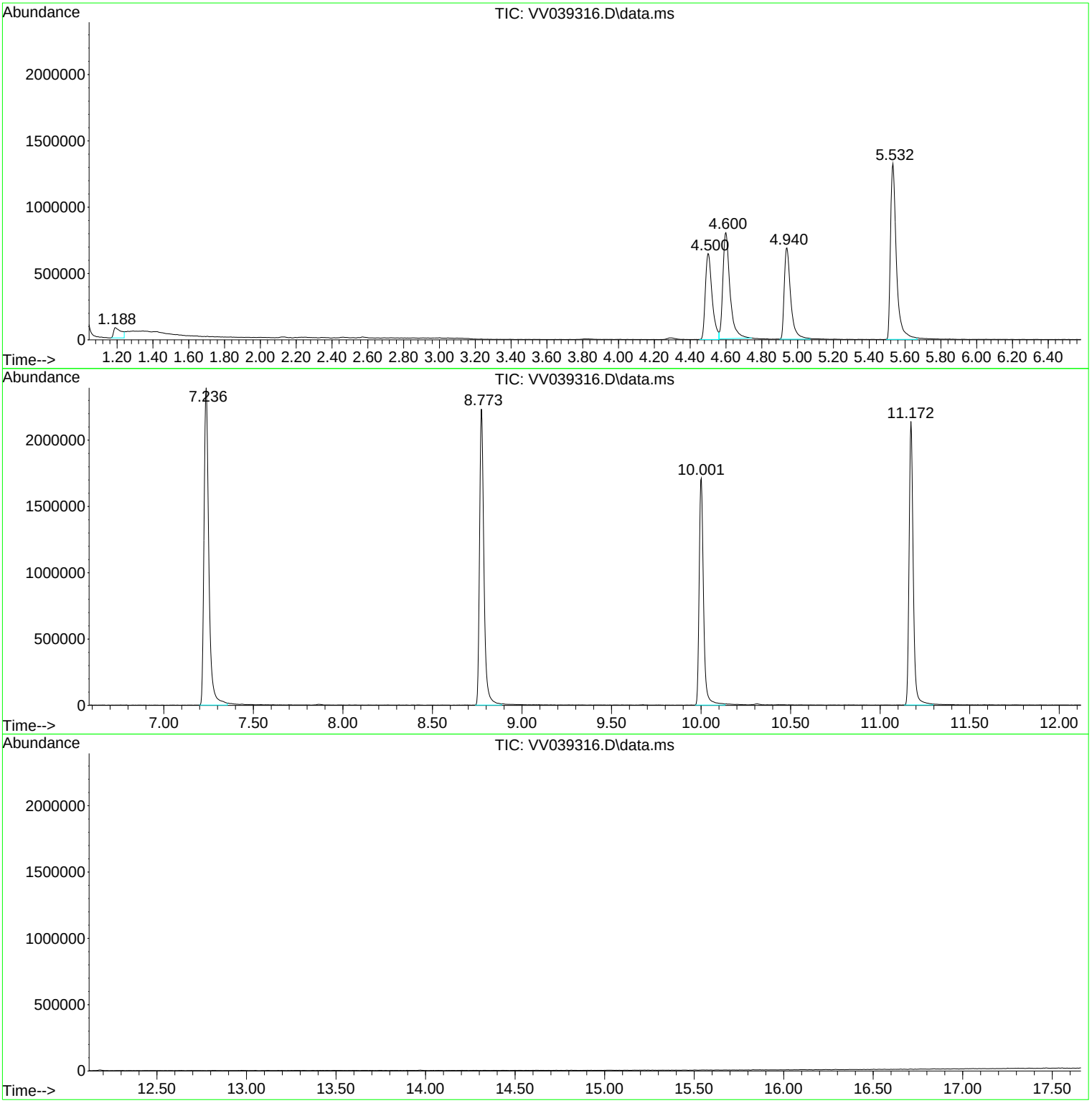
Sample Results: **VV039316.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VV039316.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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: **VV039317.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	EB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-10	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

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	11/04/25 16:17	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 16:17	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 16:17	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 16:17	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 16:17	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 16:17	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:17	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:17	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 16:17	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 16:17	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:17	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 16:17	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 16:17	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:17	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:17	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 16:17	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 16:17	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:17	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 16:17	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:17	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:17	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:17	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:17	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 16:17	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:17	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 16:17	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:17	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:17	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 16:17	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 16:17	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 16:17	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:17	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 16:17	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 16:17	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 16:17	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 16:17	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:17	VV110425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 16:17	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 16:17	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 16:17	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 16:17	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 16:17	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 16:17	VV110425

Raw Data: **VV039317.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/04/25
Client Sample ID:	EB-1	SDG No.:	Q3534
Lab Sample ID:	Q3534-10	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 16:17	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 16:17	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:17	VV110425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/04/25 16:17	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:17	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 16:17	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:17	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:17	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.4			70 (74) - 130 (125)	117%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.7			70 (75) - 130 (124)	101%	SPK: 50		
2037-26-5	Toluene-d8	46.5			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	44.4			70 (77) - 130 (121)	89%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	597000							
540-36-3	1,4-Difluorobenzene	1090000							
3114-55-4	Chlorobenzene-d5	1050000							
3855-82-1	1,4-Dichlorobenzene-d4	473000							

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_V\DATA\VV110425\
Data File : VV039317.D
Acq On : 04 Nov 2025 16:17
Operator : SY/MD
Sample : Q3534-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Quant Time: Nov 05 00:38:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	597120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1091584	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1047699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	472586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	495700	58.422	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 116.840%			
35) Dibromofluoromethane	4.500	113	436380	50.737	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 101.480%			
50) Toluene-d8	7.236	98	1360687	46.504	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.000%			
62) 4-Bromofluorobenzene	10.001	95	462779	44.410	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 88.820%			

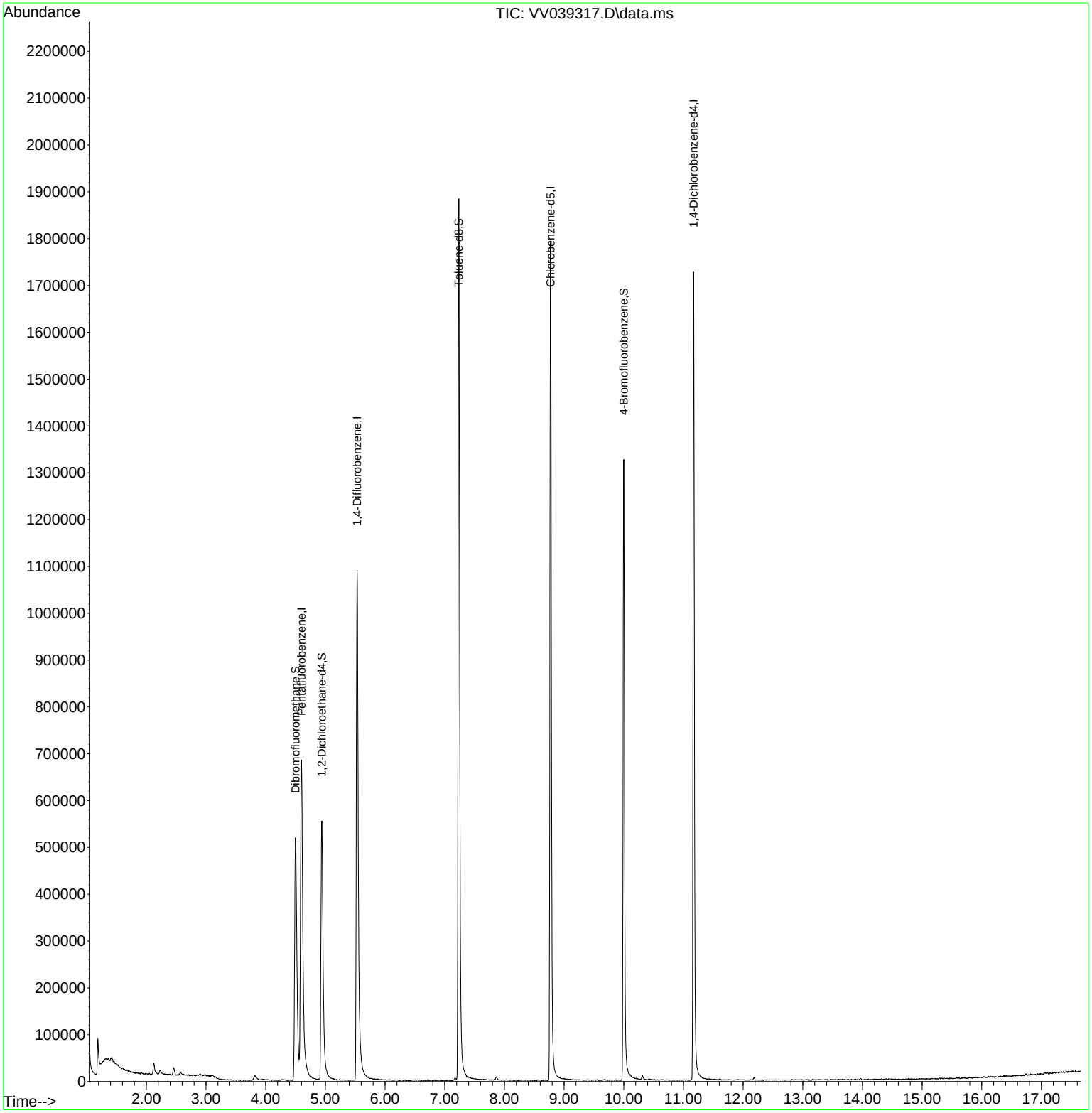
Target Compounds Qvalue

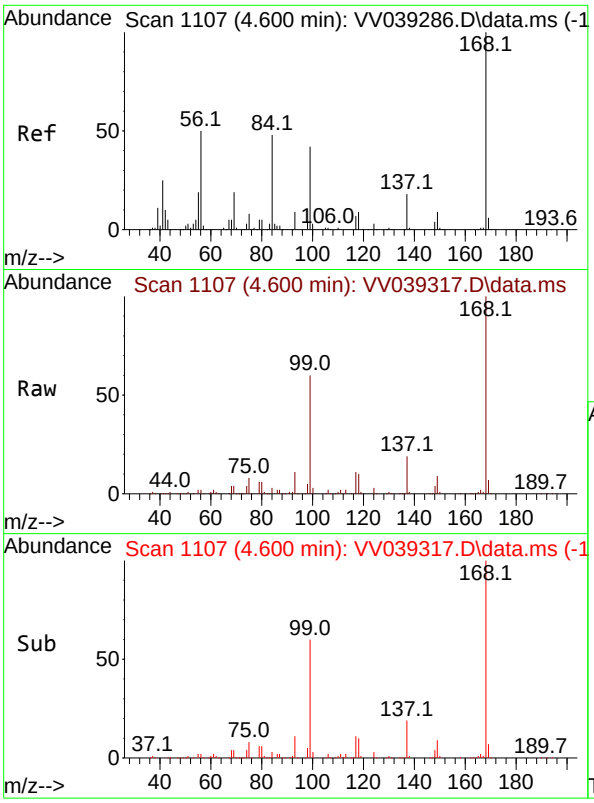
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039317.D
Acq On : 04 Nov 2025 16:17
Operator : SY/MD
Sample : Q3534-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Quant Time: Nov 05 00:38:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



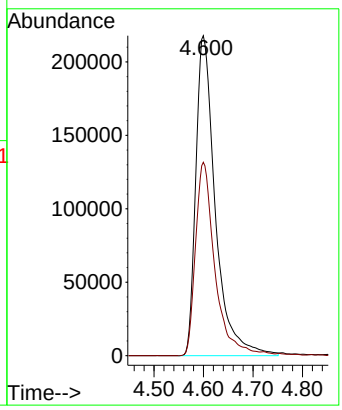


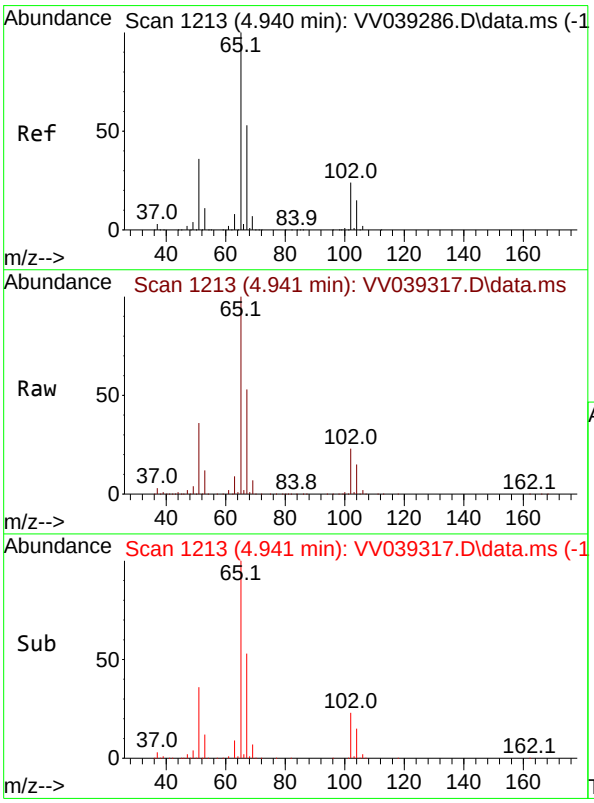
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Tgt Ion:168 Resp: 597120

Ion	Ratio	Lower	Upper
168	100		
99	60.4	46.6	70.0

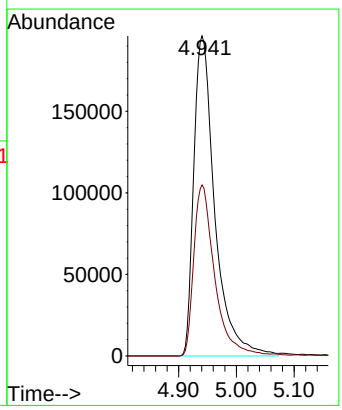


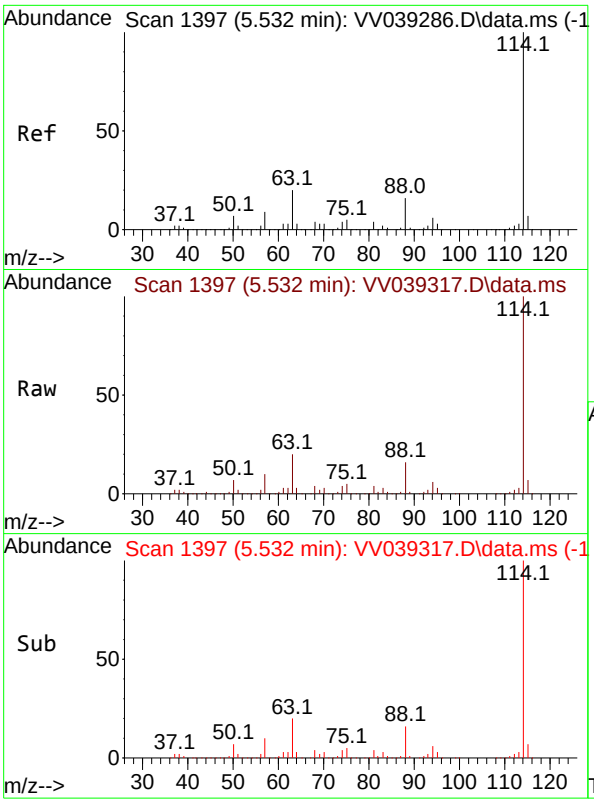


#33
1,2-Dichloroethane-d4
Concen: 58.422 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Tgt Ion: 65 Resp: 495700

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	108.4



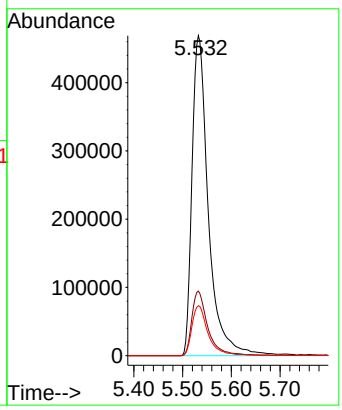


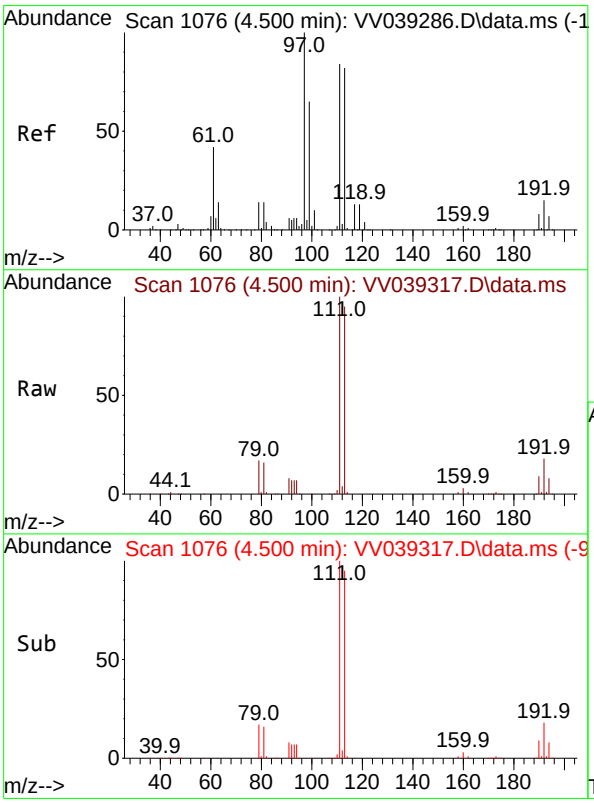
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Tgt Ion:114 Resp: 1091584

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.6
88	15.6	0.0	31.6

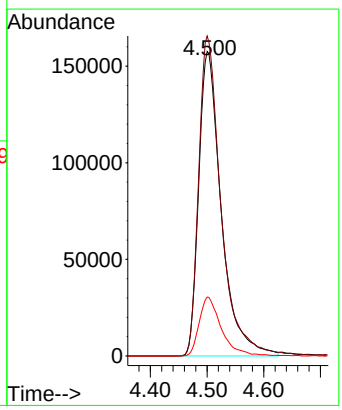


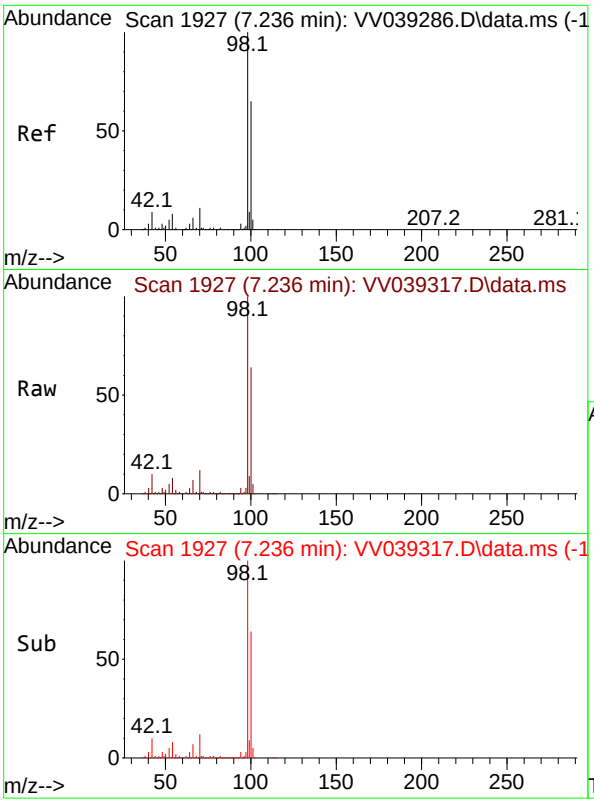


#35
Dibromofluoromethane
Concen: 50.737 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Tgt Ion:113 Resp: 436380

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.0	123.0
192	18.9	14.3	21.5



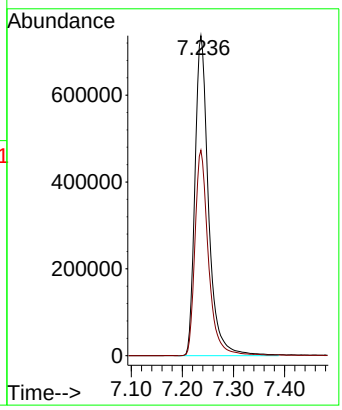


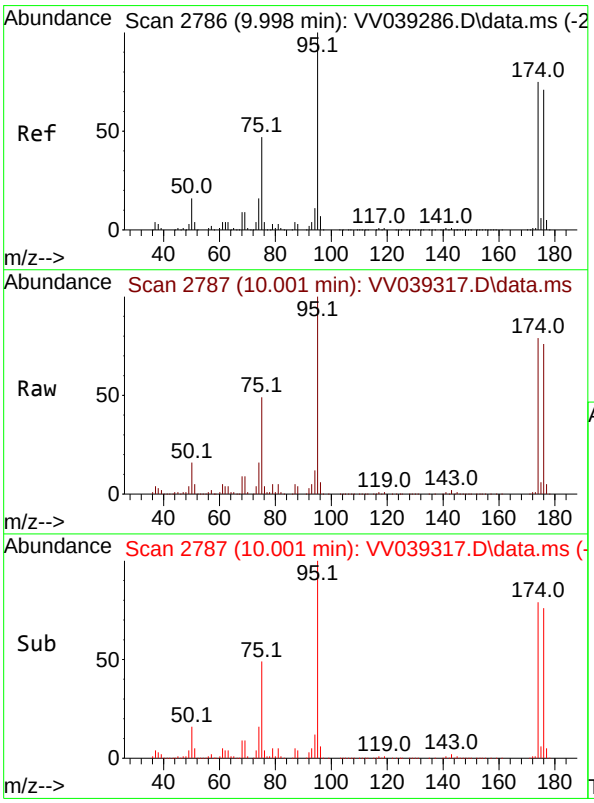
#50
Toluene-d8
Concen: 46.504 ug/l
RT: 7.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Tgt Ion: 98 Resp: 1360687

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.8	79.2

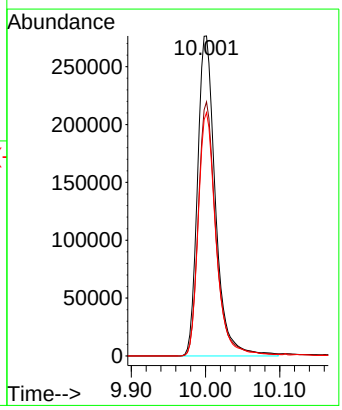


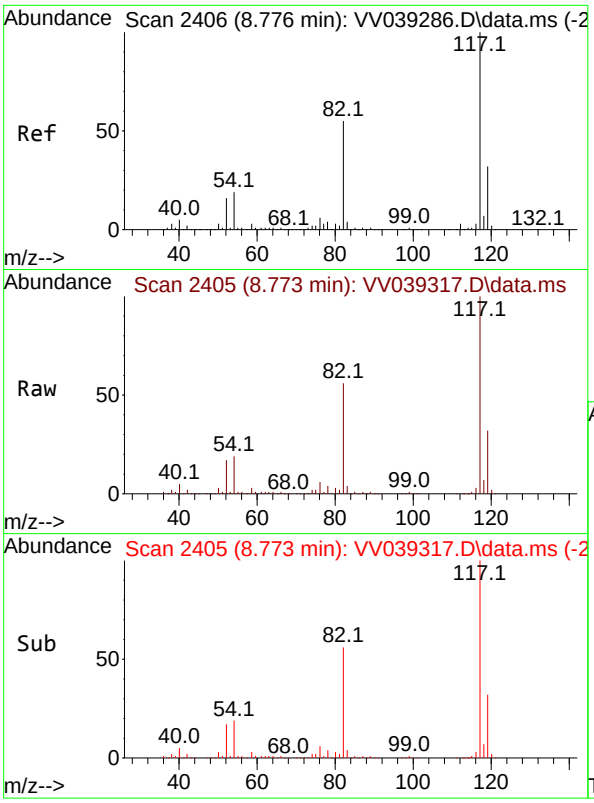


#62
4-Bromofluorobenzene
Concen: 44.410 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Tgt Ion: 95 Resp: 462779

Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	153.6
176	75.6	0.0	146.0



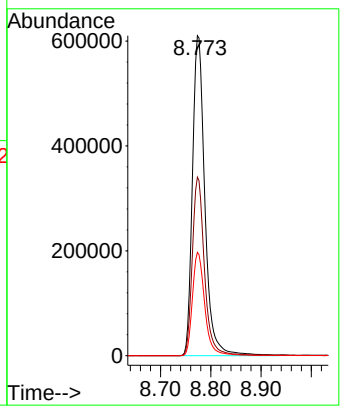


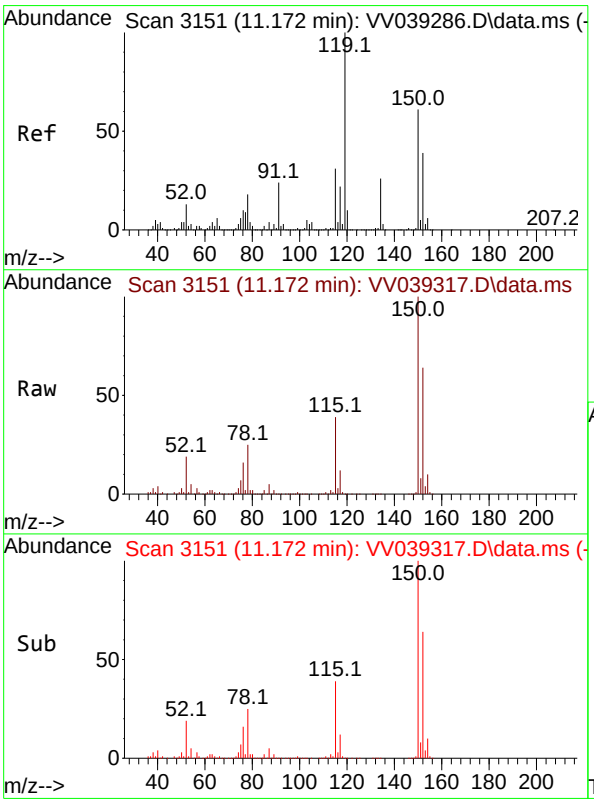
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Tgt Ion:117 Resp: 1047699

Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.8	65.8
119	32.3	25.8	38.6

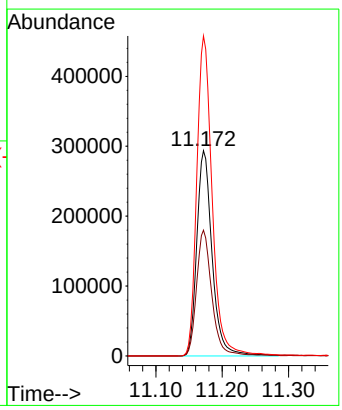




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Tgt Ion:152 Resp: 472586

Ion	Ratio	Lower	Upper
152	100		
115	61.1	42.3	126.8
150	156.2	0.0	348.0



LSC Area Percent Report

Sample Results: **VV039317.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039317.D
Acq On : 04 Nov 2025 16:17
Operator : SY/MD
Sample : Q3534-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB-1

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039317.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.188	39	46	59	rBV	73376	136317	3.89%	0.716%
2	2.127	330	338	348	rBV	22084	37202	1.06%	0.195%
3	4.500	1059	1076	1095	rBV	518559	1375452	39.27%	7.226%
4	4.600	1095	1107	1151	rVB2	677652	1887423	53.89%	9.916%
5	4.941	1201	1213	1247	rBV	551819	1385494	39.56%	7.279%
6	5.532	1385	1397	1447	rBV	1089402	2570140	73.39%	13.503%
7	7.236	1915	1927	1967	rBV	1880617	3502142	100.00%	18.400%
8	8.773	2393	2405	2442	rBV	1791139	3085888	88.11%	16.213%
9	10.001	2776	2787	2819	rBV	1326092	2247371	64.17%	11.807%
10	11.172	3137	3151	3187	rBV	1726112	2806295	80.13%	14.744%

Sum of corrected areas: 19033724

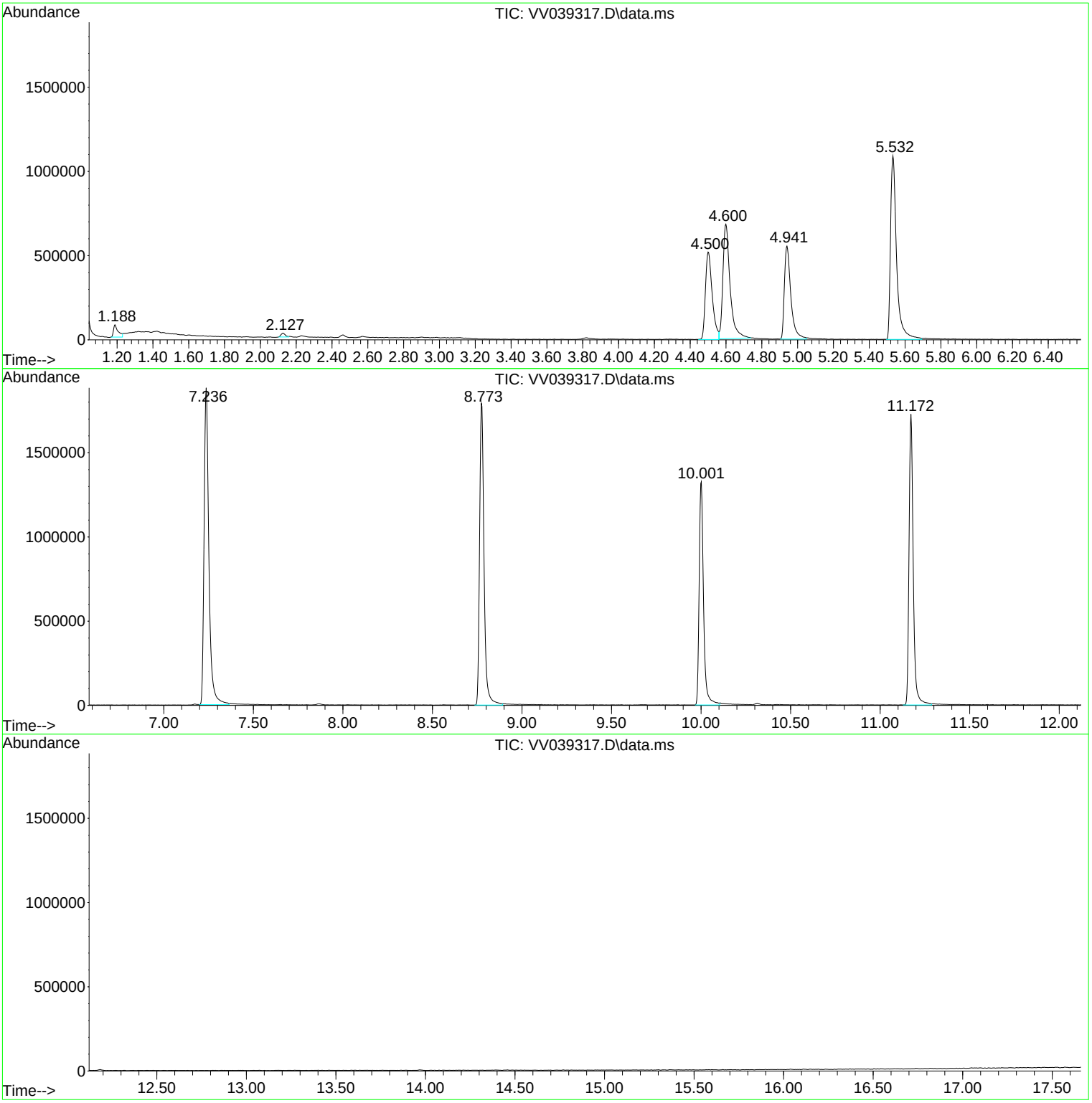
Sample Results: **VV039317.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039317.D
Acq On : 04 Nov 2025 16:17
Operator : SY/MD
Sample : Q3534-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VV039317.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039317.D
Acq On : 04 Nov 2025 16:17
Operator : SY/MD
Sample : Q3534-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110425\
Data File : VV039317.D
Acq On : 04 Nov 2025 16:17
Operator : SY/MD
Sample : Q3534-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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

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: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: MSVOA_V Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 11:32

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VV039282.D RRF005 = VV039283.D RRF010 = VV039284.D
RRF020 = VV039285.D RRF050 = VV039286.D RRF100 = VV039287.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.626	0.584	0.740	0.647	0.598	0.596	0.632	9.2
Chloromethane	0.732	0.659	0.754	0.629	0.588	0.586	0.658	10.8
Vinyl Chloride	0.863	0.761	0.827	0.720	0.666	0.666	0.751	11
Bromomethane		0.539	0.582	0.478	0.421	0.416	0.487	14.9
Chloroethane	0.693	0.540	0.519	0.470	0.419	0.403	0.507	20.9
Trichlorofluoromethane	1.374	1.185	1.258	1.095	0.992	0.976	1.147	13.6
1,1,2-Trichlorotrifluoroethane	0.800	0.726	0.754	0.655	0.597	0.588	0.687	12.7
1,1-Dichloroethene	0.846	0.713	0.711	0.637	0.569	0.570	0.674	15.6
Acetone	0.585	0.406	0.420	0.355	0.339	0.321	0.404	23.8
Carbon Disulfide	2.560	1.934	2.027	1.751	1.589	1.565	1.904	19.4
Methyl tert-butyl Ether	2.377	2.087	2.168	1.923	1.798	1.822	2.029	11
Methyl Acetate	1.062	0.818	1.044	0.928	0.828	0.843	0.921	11.9
Methylene Chloride	1.144	0.831	0.798	0.715	0.627	0.616	0.788	24.7
trans-1,2-Dichloroethene	0.929	0.742	0.755	0.654	0.592	0.587	0.710	18.1
1,1-Dichloroethane	1.599	1.384	1.378	1.195	1.092	1.066	1.286	15.9
Cyclohexane		0.999	1.004	0.908	0.872	0.899	0.936	6.5
2-Butanone	0.431	0.404	0.467	0.442	0.427	0.435	0.434	4.7
Carbon Tetrachloride	0.613	0.635	0.667	0.598	0.556	0.548	0.603	7.6
cis-1,2-Dichloroethene	0.808	0.727	0.733	0.657	0.656	0.683	0.711	8.2
Bromochloromethane	0.608	0.606	0.568	0.561	0.490	0.456	0.548	11.4
Chloroform	1.560	1.417	1.409	1.249	1.120	1.109	1.311	13.8
1,1,1-Trichloroethane	1.362	1.212	1.234	1.087	1.002	0.981	1.146	12.9
Methylcyclohexane	0.575	0.501	0.565	0.537	0.588	0.628	0.566	7.7
Benzene	1.579	1.604	1.727	1.588	1.523	1.505	1.588	4.9
1,2-Dichloroethane	0.647	0.565	0.604	0.537	0.501	0.490	0.557	10.9
Trichloroethene	0.424	0.398	0.425	0.395	0.377	0.377	0.399	5.3
1,2-Dichloropropane	0.405	0.354	0.419	0.385	0.381	0.374	0.386	5.9
Bromodichloromethane	0.687	0.668	0.688	0.623	0.583	0.570	0.636	8.2
4-Methyl-2-Pentanone	0.435	0.470	0.598	0.567	0.544	0.543	0.526	11.6
Toluene	0.815	0.927	1.070	1.000	0.971	0.969	0.959	8.9

* 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: REMI02

Lab Code: ACE SDG No.: Q3534

Instrument ID: MSVOA_V Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 11:32

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VV039282.D RRF005 = VV039283.D RRF010 = VV039284.D
RRF020 = VV039285.D RRF050 = VV039286.D RRF100 = VV039287.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.490	0.542	0.601	0.556	0.562	0.586	0.556	7
cis-1,3-Dichloropropene	0.570	0.593	0.671	0.627	0.622	0.626	0.618	5.5
1,1,2-Trichloroethane	0.482	0.428	0.471	0.428	0.400	0.389	0.433	8.6
2-Hexanone	0.318	0.322	0.427	0.425	0.414	0.411	0.386	13.4
Dibromochloromethane	0.541	0.519	0.551	0.496	0.469	0.461	0.506	7.3
1,2-Dibromoethane	0.447	0.449	0.507	0.450	0.427	0.424	0.451	6.6
Tetrachloroethene	0.390	0.361	0.378	0.370	0.344	0.346	0.365	4.9
Chlorobenzene	1.250	1.185	1.276	1.145	1.116	1.130	1.184	5.6
Ethyl Benzene	1.587	1.545	1.798	1.730	1.866	1.936	1.744	8.9
m/p-Xylenes	0.566	0.569	0.747	0.733	0.764	0.770	0.692	14
o-Xylene	0.523	0.514	0.618	0.610	0.682	0.719	0.611	13.5
Styrene	0.839	0.851	1.117	1.170	1.258	1.285	1.087	18.1
Bromoform	0.379	0.356	0.377	0.354	0.340	0.345	0.359	4.5
Isopropylbenzene	2.745	2.655	3.119	3.050	3.242	3.406	3.036	9.5
1,1,2,2-Tetrachloroethane	1.854	1.451	1.444	1.260	1.180	1.177	1.394	18.4
1,3-Dichlorobenzene	1.658	1.624	1.817	1.650	1.612	1.628	1.665	4.6
1,4-Dichlorobenzene	2.208	1.889	1.962	1.769	1.693	1.659	1.863	11
1,2-Dichlorobenzene	1.765	1.522	1.652	1.498	1.516	1.549	1.584	6.6
1,2-Dibromo-3-Chloropropane	0.373	0.287	0.288	0.258	0.249	0.265	0.287	15.7
1,2,4-Trichlorobenzene	0.880	0.774	0.880	0.839	0.926	1.000	0.883	8.7
1,2,3-Trichlorobenzene	0.919	0.792	0.929	0.883	0.956	1.028	0.918	8.5
1,2-Dichloroethane-d4		0.720	0.759	0.757	0.659	0.657	0.710	7.1
Dibromofluoromethane		0.391	0.408	0.427	0.377	0.367	0.394	6
Toluene-d8		1.121	1.394	1.491	1.353	1.342	1.340	10.2
4-Bromofluorobenzene		0.396	0.473	0.519	0.498	0.500	0.477	10.1

* 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_V

Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
Method File : 82V100725W.M
Title : SW846 8260
Last Update : Wed Oct 08 05:01:26 2025
Response Via : Initial Calibration

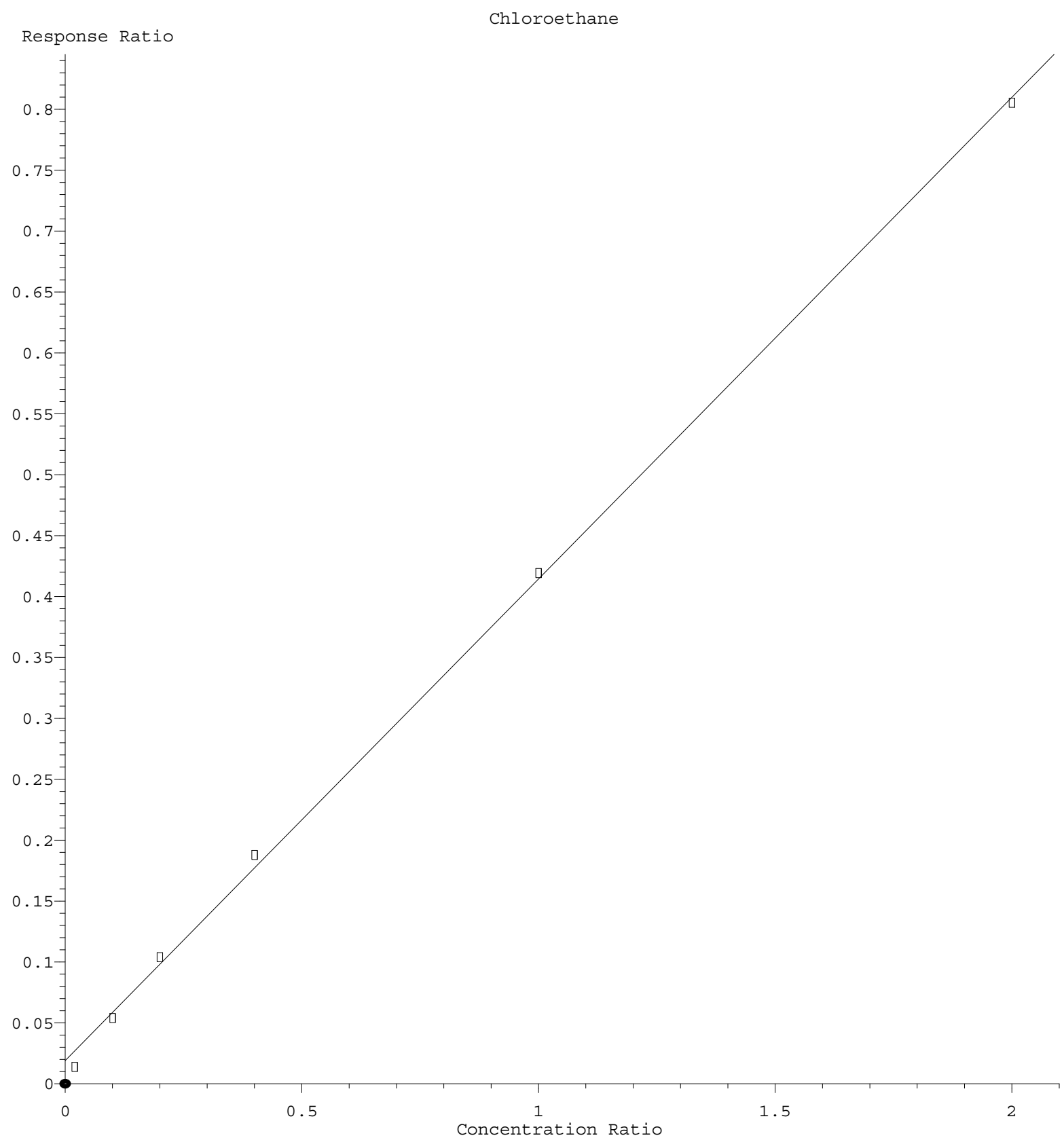
Calibration Files
1 =VV039282.D 5 =VV039283.D 10 =VV039284.D 20 =VV039285.D 50 =VV039286.D 100 =VV039287.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.626	0.584	0.740	0.647	0.598	0.596	0.632	9.17
3)	P	Chloromethane	0.732	0.659	0.754	0.629	0.588	0.586	0.658	10.84
4)	C	Vinyl Chloride	0.863	0.761	0.827	0.720	0.666	0.666	0.751	10.97#
5)	T	Bromomethane		0.539	0.582	0.478	0.421	0.416	0.487	14.91
6)	T	Chloroethane	0.693	0.540	0.519	0.470	0.419	0.403	0.507	20.85
7)	T	Trichlorofluor...	1.374	1.185	1.258	1.095	0.992	0.976	1.147	13.57
8)	T	Diethyl Ether	0.502	0.436	0.440	0.382	0.361	0.367	0.414	13.18
9)	T	1,1,2-Trichlor...	0.800	0.726	0.754	0.655	0.597	0.588	0.687	12.67
10)	T	Methyl Iodide		0.478	0.563	0.595	0.636	0.686	0.592	13.27
11)	T	Tert butyl alc...		0.155	0.157	0.139	0.120	0.119	0.138	13.30
12)	CM	1,1-Dichloroet...	0.846	0.713	0.711	0.637	0.569	0.570	0.674	15.63#
13)	T	Acrolein		0.128	0.083	0.085	0.075	0.080	0.090	23.76
14)	T	Allyl chloride	1.285	1.122	1.135	1.002	0.930	0.939	1.069	12.85
15)	T	Acrylonitrile	0.523	0.423	0.434	0.380	0.344	0.346	0.408	16.56
16)	T	Acetone	0.585	0.406	0.420	0.355	0.339	0.321	0.404	23.81
17)	T	Carbon Disulfide	2.560	1.934	2.027	1.751	1.589	1.565	1.904	19.43
18)	T	Methyl Acetate	1.062	0.818	1.044	0.928	0.828	0.843	0.921	11.94
19)	T	Methyl tert-bu...	2.377	2.087	2.168	1.923	1.798	1.822	2.029	11.04
20)	T	Methylene Chlo...	1.144	0.831	0.798	0.715	0.627	0.616	0.788	24.70
21)	T	trans-1,2-Dich...	0.929	0.742	0.755	0.654	0.592	0.587	0.710	18.15
22)	T	Diisopropyl ether	2.024	1.935	2.102	1.896	1.781	1.776	1.919	6.78
23)	T	Vinyl Acetate	1.820	1.723	1.812	1.642	1.557	1.554	1.685	7.08
24)	P	1,1-Dichloroet...	1.599	1.384	1.378	1.195	1.092	1.066	1.286	15.95
25)	T	2-Butanone	0.431	0.404	0.467	0.442	0.427	0.435	0.434	4.70
26)	T	2,2-Dichloropr...	1.269	1.042	1.104	0.965	0.915	0.917	1.035	13.14
27)	T	cis-1,2-Dichlo...	0.808	0.727	0.733	0.657	0.656	0.683	0.711	8.15
28)	T	Bromochloromet...	0.608	0.606	0.568	0.561	0.490	0.456	0.548	11.35
29)	T	Tetrahydrofuran	0.311	0.236	0.291	0.280	0.269	0.280	0.278	9.04
30)	C	Chloroform	1.560	1.417	1.409	1.249	1.120	1.109	1.311	13.81#
31)	T	Cyclohexane		0.999	1.004	0.908	0.872	0.899	0.936	6.53
32)	T	1,1,1-Trichlor...	1.362	1.212	1.234	1.087	1.002	0.981	1.146	12.95
33)	S	1,2-Dichloroet...		0.720	0.759	0.757	0.659	0.657	0.710	7.05
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.391	0.408	0.427	0.377	0.367	0.394	6.03
36)	T	1,1-Dichloropr...	0.537	0.477	0.513	0.486	0.475	0.481	0.495	5.05
37)	T	Ethyl Acetate	0.651	0.609	0.613	0.555	0.522	0.526	0.579	9.10
38)	T	Carbon Tetrach...	0.613	0.635	0.667	0.598	0.556	0.548	0.603	7.58
39)	T	Methylcyclohexane	0.575	0.501	0.565	0.537	0.588	0.628	0.566	7.67
40)	TM	Benzene	1.579	1.604	1.727	1.587	1.523	1.505	1.588	4.94
41)	T	Methacrylonitrile	0.129	0.174	0.220	0.222	0.240	0.254	0.207	22.60
42)	TM	1,2-Dichloroet...	0.647	0.565	0.604	0.537	0.501	0.490	0.557	10.87
43)	T	Isopropyl Acetate	0.649	0.707	0.831	0.775	0.771	0.817	0.758	9.08
44)	TM	Trichloroethene	0.424	0.398	0.425	0.395	0.377	0.377	0.399	5.33
45)	C	1,2-Dichloropr...	0.405	0.354	0.419	0.385	0.381	0.374	0.386	5.95#
46)	T	Dibromomethane	0.359	0.340	0.348	0.312	0.292	0.286	0.323	9.50
47)	T	Bromodichlorom...	0.687	0.668	0.688	0.623	0.583	0.570	0.636	8.21
48)	T	Methyl methacr...	0.439	0.254	0.323	0.335	0.365	0.392	0.351	18.01
49)	T	1,4-Dioxane	0.005	0.004	0.006	0.007	0.006	0.006	0.006	15.24
50)	S	Toluene-d8		1.121	1.394	1.491	1.353	1.342	1.340	10.15
51)	T	4-Methyl-2-Pen...	0.435	0.470	0.598	0.567	0.544	0.543	0.526	11.65
52)	CM	Toluene	0.815	0.927	1.070	1.000	0.971	0.969	0.959	8.87#
53)	T	t-1,3-Dichloro...	0.490	0.542	0.601	0.556	0.562	0.586	0.556	7.00
54)	T	cis-1,3-Dichlo...	0.570	0.593	0.671	0.627	0.622	0.626	0.618	5.53
55)	T	1,1,2-Trichlor...	0.482	0.428	0.471	0.428	0.400	0.389	0.433	8.63
56)	T	Ethyl methacry...	0.430	0.380	0.489	0.490	0.553	0.601	0.490	16.34

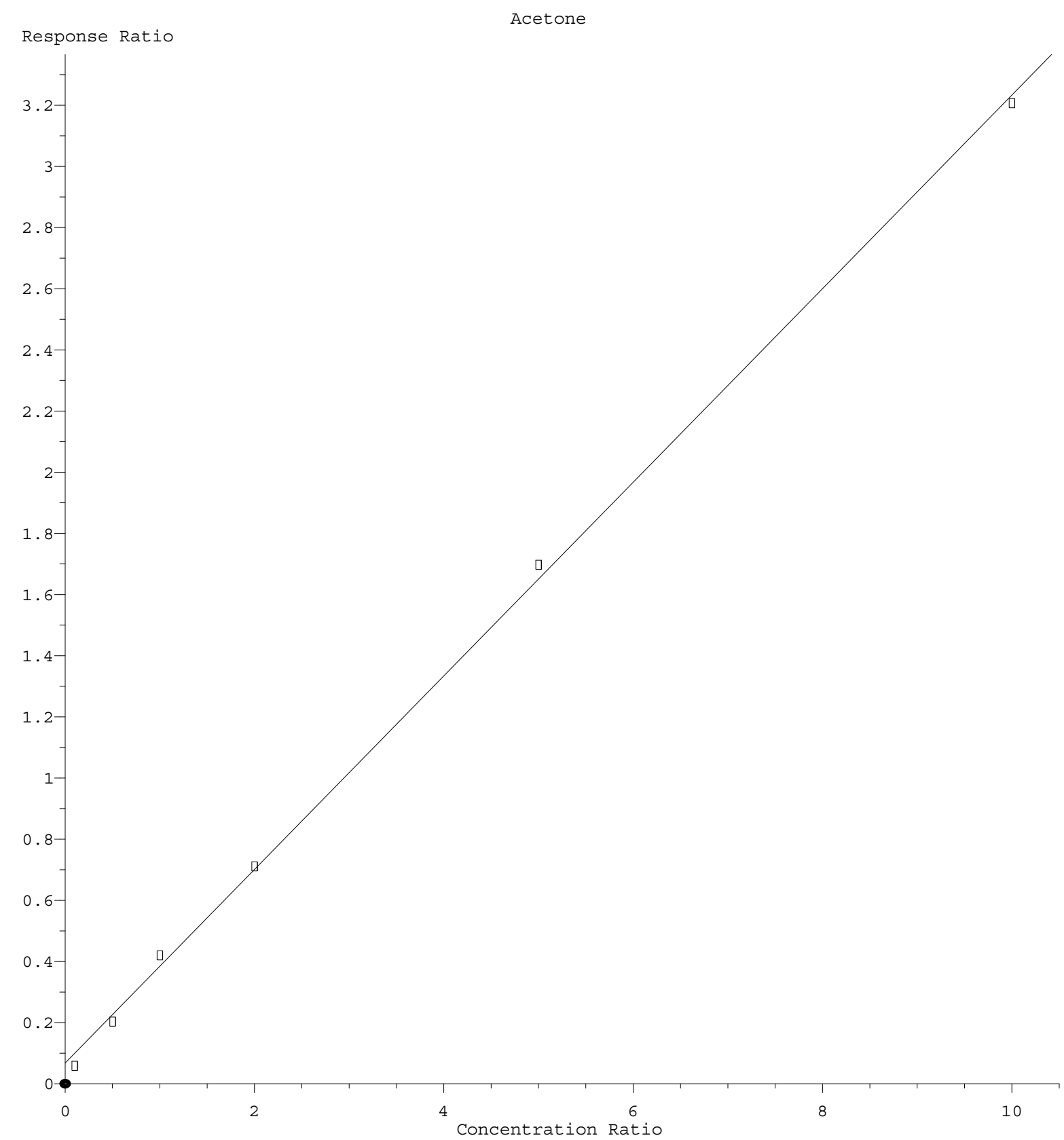
Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
Method File : 82V100725W.M

57)	T	1,3-Dichloropr...	0.625	0.639	0.726	0.665	0.636	0.628	0.653	5.87
58)	T	2-Chloroethyl ...	0.161	0.180	0.232	0.276	0.298	0.302	0.242	25.13
59)	T	2-Hexanone	0.318	0.322	0.427	0.425	0.414	0.411	0.386	13.37
60)	T	Dibromochlorom...	0.541	0.519	0.551	0.496	0.469	0.461	0.506	7.30
61)	T	1,2-Dibromoethane	0.447	0.449	0.507	0.450	0.427	0.424	0.451	6.63
62)	S	4-Bromofluorob...		0.396	0.473	0.519	0.498	0.500	0.477	10.13
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.390	0.361	0.378	0.370	0.344	0.346	0.365	4.94
65)	PM	Chlorobenzene	1.250	1.185	1.276	1.145	1.116	1.130	1.184	5.58
66)	T	1,1,1,2-Tetrac...	0.507	0.443	0.479	0.422	0.407	0.403	0.443	9.43
67)	C	Ethyl Benzene	1.587	1.545	1.798	1.730	1.866	1.936	1.744	8.86#
68)	T	m/p-Xylenes	0.566	0.569	0.747	0.733	0.764	0.770	0.692	14.04
69)	T	o-Xylene	0.523	0.514	0.618	0.610	0.682	0.719	0.611	13.50
70)	T	Styrene	0.839	0.851	1.117	1.170	1.258	1.285	1.087	18.10
71)	P	Bromoform	0.379	0.356	0.377	0.354	0.340	0.345	0.359	4.54
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.745	2.655	3.119	3.050	3.242	3.406	3.036	9.51
74)	T	N-amyl acetate	1.451	1.010	1.195	1.190	1.280	1.381	1.251	12.52
75)	P	1,1,2,2-Tetrac...	1.854	1.451	1.444	1.260	1.180	1.177	1.394	18.38
76)	T	1,2,3-Trichlor...	1.207	1.032	1.037	0.903	0.892	0.916	0.998	12.14
77)	T	Bromobenzene	0.841	0.808	0.897	0.809	0.817	0.835	0.835	4.00
78)	T	n-propylbenzene	3.439	3.182	3.811	3.698	3.930	4.045	3.684	8.75
79)	T	2-Chlorotoluene	1.947	2.135	2.460	2.332	2.360	2.413	2.275	8.59
80)	T	1,3,5-Trimethy...	2.060	2.217	2.695	2.637	2.801	2.869	2.546	12.96
81)	T	trans-1,4-Dich...		0.345	0.414	0.384	0.403	0.431	0.395	8.37
82)	T	4-Chlorotoluene	2.079	2.373	2.872	2.710	2.796	2.856	2.614	12.24
83)	T	tert-Butylbenzene	2.414	2.312	2.529	2.428	2.655	2.834	2.529	7.49
84)	T	1,2,4-Trimethy...	2.184	2.052	2.553	2.594	2.787	2.871	2.507	13.01
85)	T	sec-Butylbenzene	2.801	2.824	3.280	3.190	3.467	3.621	3.197	10.42
86)	T	p-Isopropyltol...	2.428	2.406	2.859	2.776	2.967	3.056	2.749	9.96
87)	T	1,3-Dichlorobe...	1.658	1.624	1.817	1.650	1.612	1.628	1.665	4.58
88)	T	1,4-Dichlorobe...	2.208	1.889	1.962	1.769	1.693	1.659	1.863	10.97
89)	T	n-Butylbenzene	2.327	2.264	2.569	2.507	2.784	2.908	2.560	9.83
90)	T	Hexachloroethane	0.822	0.728	0.711	0.616	0.595	0.606	0.680	13.24
91)	T	1,2-Dichlorobe...	1.765	1.522	1.652	1.498	1.516	1.549	1.584	6.60
92)	T	1,2-Dibromo-3-...	0.373	0.287	0.288	0.258	0.249	0.265	0.287	15.71
93)	T	1,2,4-Trichlor...	0.880	0.774	0.880	0.839	0.926	1.000	0.883	8.70
94)	T	Hexachlorobuta...	0.555	0.441	0.462	0.413	0.403	0.409	0.447	12.86
95)	T	Naphthalene	2.712	2.287	2.660	2.752	3.286	3.666	2.894	17.11
96)	T	1,2,3-Trichlor...	0.919	0.792	0.929	0.883	0.956	1.028	0.918	8.55

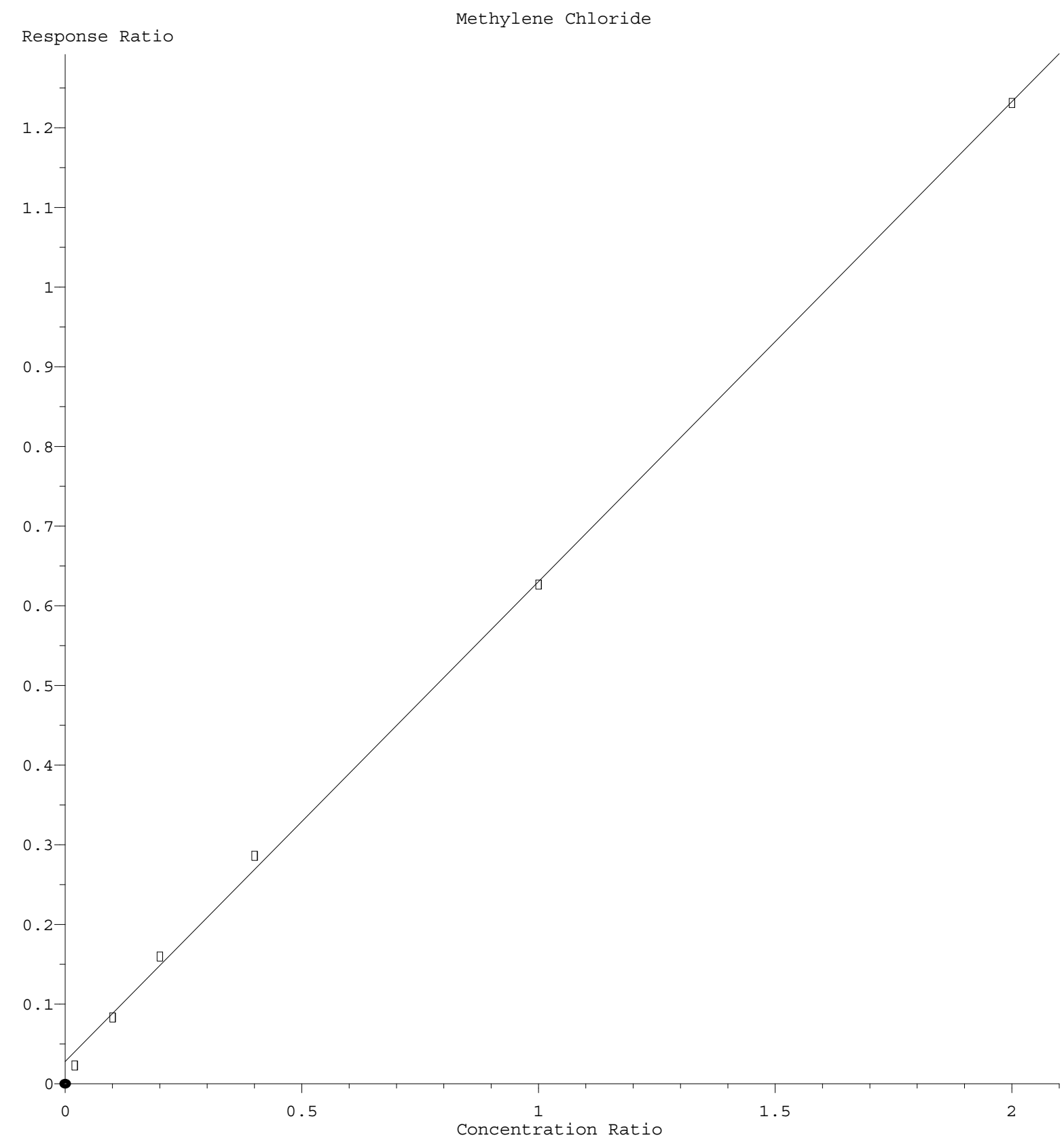
(#) = Out of Range



Response = 3.958e-001 * Amt + 1.865e-002
Coef of Det (r^2) = 0.999163 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V100725W.M
Calibration Table Last Updated: Wed Oct 08 05:01:26 2025



Response = 3.166e-001 * Amt + 6.794e-002
Coef of Det (r^2) = 0.999116 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V100725W.M
Calibration Table Last Updated: Wed Oct 08 05:01:26 2025



Response = 6.026e-001 * Amt + 2.794e-002
Coef of Det (r^2) = 0.999283 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA V\Method\82V100725W.M
Calibration Table Last Updated: Wed Oct 08 05:01:26 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039282.D
Acq On : 07 Oct 2025 09:40
Operator : SY/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 04:53:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:53:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	4.593	168	527709	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	5.529	114	895274	50.000	ug/l		0.00
63) Chlorobenzene-d5	8.773	117	857185	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	385797	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 81 - 118		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 80 - 119		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 89 - 112		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 85 - 114		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	6611	0.991	ug/l		86
3) Chloromethane	1.227	50	7724	1.112	ug/l	#	85
4) Vinyl Chloride	1.298	62	9112	1.150	ug/l	#	87
6) Chloroethane	1.558	64	7318	1.367	ug/l		97
7) Trichlorofluoromethane	1.725	101	14501	1.198	ug/l		97
8) Diethyl Ether	1.921	74	5296	1.211	ug/l		99
9) 1,1,2-Trichlorotrifluo...	2.079	101	8446	1.165	ug/l		88
12) 1,1-Dichloroethene	2.089	96	8925	1.254	ug/l	#	79
14) Allyl chloride	2.355	41	13558	1.202	ug/l	#	88
15) Acrylonitrile	2.680	53	27594	6.403	ug/l		98
16) Acetone	2.124	43	30850	7.229	ug/l		96
17) Carbon Disulfide	2.253	76	27022	1.345	ug/l		95
18) Methyl Acetate	2.384	43	11207	1.153	ug/l		93
19) Methyl tert-butyl Ether	2.716	73	25085	1.171	ug/l		98
20) Methylene Chloride	2.458	84	12071	1.451	ug/l	#	90
21) trans-1,2-Dichloroethene	2.703	96	9802	1.308	ug/l		86
22) Diisopropyl ether	3.217	45	21362	1.055	ug/l	#	24
23) Vinyl Acetate	3.198	43	96018	5.401	ug/l		97
24) 1,1-Dichloroethane	3.121	63	16873	1.244	ug/l		97
25) 2-Butanone	3.905	43	22759m	4.977	ug/l		
26) 2,2-Dichloropropane	3.806	77	13393	1.226	ug/l		88
27) cis-1,2-Dichloroethene	3.828	96	8526m	1.137	ug/l		
28) Bromochloromethane	4.162	49	6412	1.081	ug/l	#	91
29) Tetrahydrofuran	4.259	42	16417m	5.601	ug/l		
30) Chloroform	4.278	83	16465	1.190	ug/l		97
32) 1,1,1-Trichloroethane	4.519	97	14370	1.188	ug/l	#	52
36) 1,1-Dichloropropene	4.751	75	9618m	1.086	ug/l		
37) Ethyl Acetate	3.905	43	11654	1.127	ug/l	#	68
38) Carbon Tetrachloride	4.735	117	10983	0.978	ug/l		93
39) Methylcyclohexane	6.043	83	10292	1.016	ug/l		97
40) Benzene	5.021	78	28276	0.995	ug/l		99
41) Methacrylonitrile	4.204	41	2308m	2.194	ug/l		
42) 1,2-Dichloroethane	5.053	62	11586	1.161	ug/l		94
43) Isopropyl Acetate	5.220	43	11626	0.823	ug/l	#	78
44) Trichloroethene	5.844	130	7590	1.062	ug/l		97
45) 1,2-Dichloropropane	6.108	63	7250	1.048	ug/l		92

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039282.D
Acq On : 07 Oct 2025 09:40
Operator : SY/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:53:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:53:20 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	6.243	93	6432	1.112	ug/l		90
47) Bromodichloromethane	6.439	83	12294	1.079	ug/l		88
48) Methyl methacrylate	6.359	41	7865m	1.250	ug/l		
49) 1,4-Dioxane	6.342	88	1832m	17.505	ug/l		
51) 4-Methyl-2-Pentanone	7.162	43	38959	4.135	ug/l		89
52) Toluene	7.323	92	14589	0.850	ug/l		84
53) t-1,3-Dichloropropene	7.600	75	8766	0.880	ug/l		98
54) cis-1,3-Dichloropropene	6.973	75	10212	0.922	ug/l		94
55) 1,1,2-Trichloroethane	7.776	97	8628	1.113	ug/l		91
56) Ethyl methacrylate	7.744	69	7695m	0.889	ug/l		
57) 1,3-Dichloropropane	7.950	76	11189	0.957	ug/l		91
58) 2-Chloroethyl Vinyl ether	6.834	63	14435	10.957	ug/l	#	87
59) 2-Hexanone	8.085	43	28473m	4.117	ug/l		
60) Dibromochloromethane	8.175	129	9684	1.069	ug/l		98
61) 1,2-Dibromoethane	8.288	107	8007	0.992	ug/l		100
64) Tetrachloroethene	7.902	164	6686	1.069	ug/l	#	86
65) Chlorobenzene	8.809	112	21425	1.056	ug/l		95
66) 1,1,1,2-Tetrachloroethane	8.899	131	8692	1.144	ug/l	#	62
67) Ethyl Benzene	8.947	91	27200	0.910	ug/l		98
68) m/p-Xylenes	9.069	106	19390	1.636	ug/l		88
69) o-Xylene	9.474	106	8958	0.856	ug/l		97
70) Styrene	9.506	104	14383m	0.772	ug/l		
71) Bromoform	9.661	173	6502	1.058	ug/l	#	99
73) Isopropylbenzene	9.860	105	21180	0.904	ug/l		86
74) N-amyl acetate	9.744	43	11196m	1.151	ug/l		
75) 1,1,2,2-Tetrachloroethane	10.172	83	14304	1.330	ug/l		99
76) 1,2,3-Trichloropropane	10.207	75	9316	1.210	ug/l		85
77) Bromobenzene	10.153	156	6491	1.008	ug/l		97
78) n-propylbenzene	10.284	91	26534	0.933	ug/l		100
79) 2-Chlorotoluene	10.355	91	15022	0.856	ug/l		90
80) 1,3,5-Trimethylbenzene	10.468	105	15895	0.809	ug/l		99
82) 4-Chlorotoluene	10.474	91	16039	0.795	ug/l		89
83) tert-Butylbenzene	10.789	119	18627	0.955	ug/l		99
84) 1,2,4-Trimethylbenzene	10.847	105	16853	0.871	ug/l		92
85) sec-Butylbenzene	11.014	105	21613	0.876	ug/l		97
86) p-Isopropyltoluene	11.169	119	18735	0.883	ug/l		94
87) 1,3-Dichlorobenzene	11.117	146	12791	0.996	ug/l		96
88) 1,4-Dichlorobenzene	11.198	146	17036m	1.177	ug/l		
89) n-Butylbenzene	11.587	91	17957	0.909	ug/l		93
90) Hexachloroethane	11.821	117	6345	1.210	ug/l		97
91) 1,2-Dichlorobenzene	11.577	146	13621	1.115	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	12.365	75	2878	1.301	ug/l		92
93) 1,2,4-Trichlorobenzene	13.197	180	6793	0.997	ug/l		95
94) Hexachlorobutadiene	13.368	225	4285	1.242	ug/l		98
95) Naphthalene	13.435	128	20925m	0.937	ug/l		
96) 1,2,3-Trichlorobenzene	13.677	180	7094	1.002	ug/l		95

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

ICAL Form

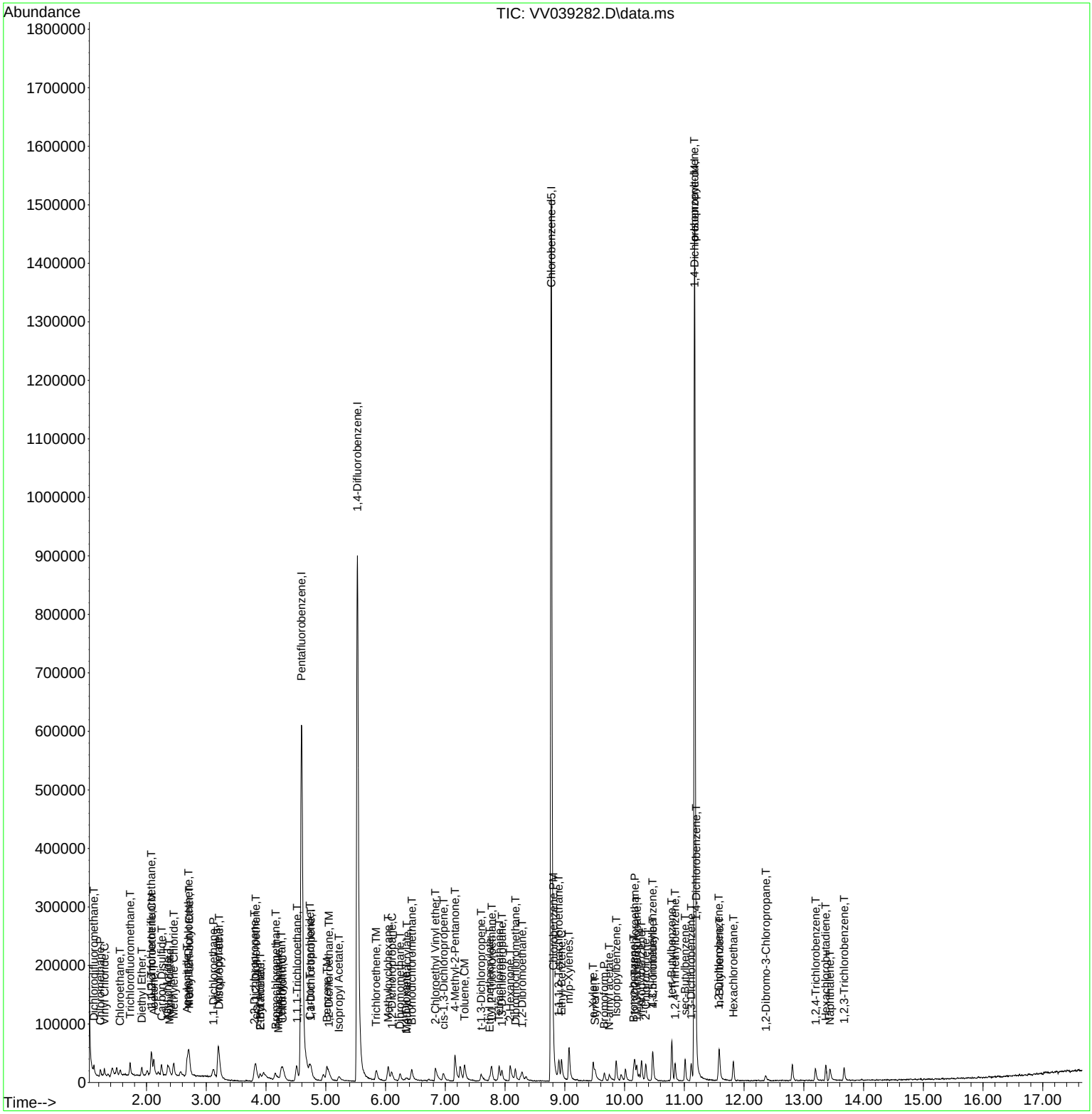
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039282.D
Acq On : 07 Oct 2025 09:40
Operator : SY/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 08 04:53:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:53:20 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039283.D
Acq On : 07 Oct 2025 10:03
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 04:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	588248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	967612	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	961105	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	497241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.950	65	42369	5.069	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 10.140%#			
35) Dibromofluoromethane	4.510	113	37861	4.966	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 9.940%#			
50) Toluene-d8	7.243	98	108435	4.181	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 8.360%#			
62) 4-Bromofluorobenzene	10.008	95	38301	4.146	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 8.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	34330	4.617	ug/l	100
3) Chloromethane	1.230	50	38742	5.005	ug/l	100
4) Vinyl Chloride	1.298	62	44755	5.068	ug/l	94
5) Bromomethane	1.490	94	31690	5.531	ug/l	100
6) Chloroethane	1.558	64	31757	4.465	ug/l	99
7) Trichlorofluoromethane	1.725	101	69716	5.168	ug/l	90
8) Diethyl Ether	1.918	74	25622	5.256	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.079	101	42697	5.285	ug/l	97
10) Methyl Iodide	2.198	142	28115	4.040	ug/l	97
11) Tert butyl alcohol	2.577	59	45455	28.061	ug/l	96
12) 1,1-Dichloroethene	2.082	96	41934	5.287	ug/l	98
13) Acrolein	2.011	56	37550	34.092	ug/l	97
14) Allyl chloride	2.359	41	65980	5.247	ug/l	98
15) Acrylonitrile	2.677	53	124516	25.920	ug/l	97
16) Acetone	2.121	43	119529	21.363	ug/l	99
17) Carbon Disulfide	2.252	76	113750	5.077	ug/l	99
18) Methyl Acetate	2.381	43	48140	4.445	ug/l	94
19) Methyl tert-butyl Ether	2.712	73	122790	5.143	ug/l	96
20) Methylene Chloride	2.458	84	48899	4.579	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	43669	5.229	ug/l	96
22) Diisopropyl ether	3.220	45	113802	5.041	ug/l #	76
23) Vinyl Acetate	3.195	43	506675	25.566	ug/l	99
24) 1,1-Dichloroethane	3.121	63	81412	5.383	ug/l	98
25) 2-Butanone	3.886	43	118955	23.338	ug/l	99
26) 2,2-Dichloropropane	3.815	77	61297	5.032	ug/l	98
27) cis-1,2-Dichloroethene	3.825	96	42753	5.113	ug/l	98
28) Bromochloromethane	4.153	49	35668	5.396	ug/l	99
29) Tetrahydrofuran	4.249	42	69338	21.221	ug/l	98
30) Chloroform	4.285	83	83381	5.406	ug/l	96
31) Cyclohexane	4.584	56	58787	5.337	ug/l #	78
32) 1,1,1-Trichloroethane	4.519	97	71313	5.288	ug/l	100
36) 1,1-Dichloropropene	4.751	75	46175	4.822	ug/l	97
37) Ethyl Acetate	3.998	43	58945m	5.275	ug/l	
38) Carbon Tetrachloride	4.735	117	61436	5.062	ug/l	100
39) Methylcyclohexane	6.047	83	48503	4.432	ug/l	93
40) Benzene	5.014	78	155202	5.051	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039283.D
Acq On : 07 Oct 2025 10:03
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 04:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.191	41	16876	5.092	ug/l		95
42) 1,2-Dichloroethane	5.047	62	54624	5.065	ug/l		98
43) Isopropyl Acetate	5.207	43	68435	4.482	ug/l		96
44) Trichloroethene	5.841	130	38500	4.982	ug/l		96
45) 1,2-Dichloropropane	6.095	63	34291	4.586	ug/l		96
46) Dibromomethane	6.236	93	32930	5.269	ug/l		97
47) Bromodichloromethane	6.432	83	64658	5.251	ug/l		95
48) Methyl methacrylate	6.317	41	24607	3.619	ug/l		97
49) 1,4-Dioxane	6.310	88	8697	76.890	ug/l		94
51) 4-Methyl-2-Pentanone	7.156	43	227471	22.339	ug/l		96
52) Toluene	7.313	92	89683	4.834	ug/l		98
53) t-1,3-Dichloropropene	7.587	75	52481	4.876	ug/l		97
54) cis-1,3-Dichloropropene	6.956	75	57395	4.797	ug/l		98
55) 1,1,2-Trichloroethane	7.767	97	41447	4.947	ug/l		94
56) Ethyl methacrylate	7.725	69	36737	3.928	ug/l		93
57) 1,3-Dichloropropane	7.940	76	61872	4.894	ug/l		98
58) 2-Chloroethyl Vinyl ether	6.821	63	86926	22.960	ug/l		95
59) 2-Hexanone	8.072	43	155844	20.847	ug/l		94
60) Dibromochloromethane	8.172	129	50201	5.125	ug/l		97
61) 1,2-Dibromoethane	8.281	107	43447	4.981	ug/l		96
64) Tetrachloroethene	7.899	164	34702	4.950	ug/l		97
65) Chlorobenzene	8.805	112	113867	5.005	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.899	131	42539	4.991	ug/l		99
67) Ethyl Benzene	8.940	91	148460	4.430	ug/l		99
68) m/p-Xylenes	9.066	106	109401	8.230	ug/l		94
69) o-Xylene	9.471	106	49355	4.204	ug/l		96
70) Styrene	9.493	104	81766	3.915	ug/l		96
71) Bromoform	9.657	173	34260	4.971	ug/l	#	98
73) Isopropylbenzene	9.857	105	132019	4.372	ug/l		97
74) N-amyl acetate	9.731	43	50235	4.008	ug/l		97
75) 1,1,2,2-Tetrachloroethane	10.169	83	72162	5.204	ug/l		97
76) 1,2,3-Trichloropropane	10.201	75	51295	5.169	ug/l		96
77) Bromobenzene	10.146	156	40198	4.843	ug/l		95
78) n-propylbenzene	10.278	91	158201	4.318	ug/l		99
79) 2-Chlorotoluene	10.349	91	106185	4.694	ug/l		98
80) 1,3,5-Trimethylbenzene	10.464	105	110241	4.353	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.934	75	17131	4.359	ug/l		92
82) 4-Chlorotoluene	10.468	91	118012	4.539	ug/l		99
83) tert-Butylbenzene	10.789	119	114952	4.571	ug/l		97
84) 1,2,4-Trimethylbenzene	10.841	105	102036	4.093	ug/l		97
85) sec-Butylbenzene	11.014	105	140416	4.416	ug/l		98
86) p-Isopropyltoluene	11.169	119	119647	4.377	ug/l		97
87) 1,3-Dichlorobenzene	11.107	146	80737	4.876	ug/l		99
88) 1,4-Dichlorobenzene	11.197	146	93915	5.032	ug/l		91
89) n-Butylbenzene	11.580	91	112555	4.421	ug/l		96
90) Hexachloroethane	11.821	117	36205	5.356	ug/l		99
91) 1,2-Dichlorobenzene	11.570	146	75697	4.806	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.355	75	14288	5.011	ug/l		91
93) 1,2,4-Trichlorobenzene	13.188	180	38484	4.381	ug/l		94
94) Hexachlorobutadiene	13.368	225	21935	4.932	ug/l		98
95) Naphthalene	13.429	128	113700	3.951	ug/l		98
96) 1,2,3-Trichlorobenzene	13.670	180	39397	4.315	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039283.D
Acq On : 07 Oct 2025 10:03
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 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

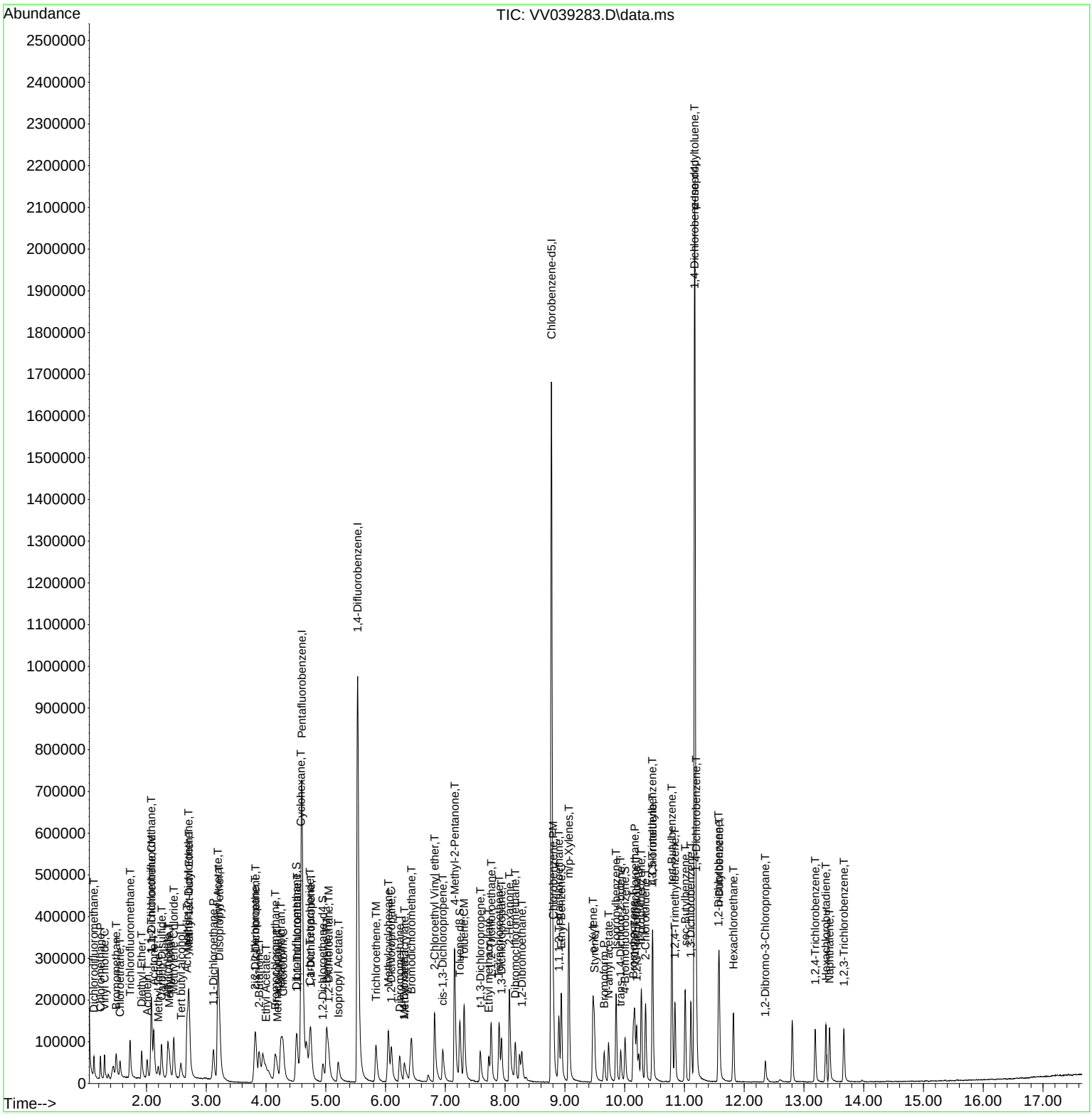
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039283.D
Acq On : 07 Oct 2025 10:03
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 08 04:39:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039284.D
Acq On : 07 Oct 2025 10:25
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Oct 08 04:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	668855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1059714	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1034430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	576425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.947	65	101485	10.678	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	21.360%#		
35) Dibromofluoromethane	4.506	113	86371	10.344	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	20.680%#		
50) Toluene-d8	7.239	98	295414	10.400	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	20.800%#		
62) 4-Bromofluorobenzene	10.005	95	100349	9.919	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	19.840%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	99022	11.713	ug/l	96
3) Chloromethane	1.230	50	100818	11.455	ug/l	97
4) Vinyl Chloride	1.298	62	110654	11.020	ug/l	99
5) Bromomethane	1.500	94	77797	11.941	ug/l	96
6) Chloroethane	1.561	64	69485	10.769	ug/l	99
7) Trichlorofluoromethane	1.728	101	168235	10.967	ug/l	100
8) Diethyl Ether	1.921	74	58806	10.609	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	100874	10.982	ug/l	99
10) Methyl Iodide	2.198	142	75300	9.515	ug/l	100
11) Tert butyl alcohol	2.571	59	104908	56.958	ug/l	99
12) 1,1-Dichloroethene	2.082	96	95079	10.542	ug/l	96
13) Acrolein	2.011	56	55414	46.375	ug/l	94
14) Allyl chloride	2.359	41	151839	10.621	ug/l	100
15) Acrylonitrile	2.677	53	290244	53.138	ug/l	100
16) Acetone	2.121	43	280746	55.567	ug/l	97
17) Carbon Disulfide	2.252	76	271095	10.642	ug/l	100
18) Methyl Acetate	2.381	43	139718	11.345	ug/l	97
19) Methyl tert-butyl Ether	2.716	73	290036	10.685	ug/l	99
20) Methylene Chloride	2.458	84	106777	10.928	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	100933	10.629	ug/l	94
22) Diisopropyl ether	3.220	45	281152	10.953	ug/l	92
23) Vinyl Acetate	3.191	43	1212165	53.792	ug/l	99
24) 1,1-Dichloroethane	3.117	63	184286	10.717	ug/l	99
25) 2-Butanone	3.876	43	312212	53.871	ug/l	98
26) 2,2-Dichloropropane	3.812	77	147629	10.659	ug/l	99
27) cis-1,2-Dichloroethene	3.825	96	98093	10.317	ug/l	97
28) Bromochloromethane	4.153	49	75953	10.107	ug/l	99
29) Tetrahydrofuran	4.243	42	194816	52.437	ug/l	98
30) Chloroform	4.278	83	188539	10.751	ug/l	97
31) Cyclohexane	4.584	56	134301	10.722	ug/l #	94
32) 1,1,1-Trichloroethane	4.516	97	165036	10.764	ug/l	99
36) 1,1-Dichloropropene	4.748	75	108748	10.369	ug/l	98
37) Ethyl Acetate	3.986	43	129928	10.617	ug/l #	79
38) Carbon Tetrachloride	4.735	117	141348	10.633	ug/l	99
39) Methylcyclohexane	6.047	83	119660	9.983	ug/l	94
40) Benzene	5.011	78	366088	10.879	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039284.D
Acq On : 07 Oct 2025 10:25
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Oct 08 04:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.166	41	46557	10.257	ug/l		93
42) 1,2-Dichloroethane	5.047	62	127973	10.835	ug/l		99
43) Isopropyl Acetate	5.201	43	176213	10.537	ug/l		96
44) Trichloroethene	5.834	130	90047	10.641	ug/l		98
45) 1,2-Dichloropropane	6.092	63	88868	10.852	ug/l		95
46) Dibromomethane	6.230	93	73826	10.786	ug/l		98
47) Bromodichloromethane	6.429	83	145721	10.805	ug/l		96
48) Methyl methacrylate	6.307	41	68523	9.202	ug/l		96
49) 1,4-Dioxane	6.297	88	27138	219.073	ug/l		91
51) 4-Methyl-2-Pentanone	7.153	43	633258	56.786	ug/l		98
52) Toluene	7.310	92	226876	11.166	ug/l		100
53) t-1,3-Dichloropropene	7.580	75	127407	10.810	ug/l		98
54) cis-1,3-Dichloropropene	6.953	75	142163	10.849	ug/l		98
55) 1,1,2-Trichloroethane	7.764	97	99879	10.886	ug/l		99
56) Ethyl methacrylate	7.719	69	103595	10.113	ug/l		98
57) 1,3-Dichloropropane	7.937	76	153896	11.115	ug/l		100
58) 2-Chloroethyl Vinyl ether	6.815	63	245944	46.122	ug/l		100
59) 2-Hexanone	8.066	43	452813	55.309	ug/l		94
60) Dibromochloromethane	8.169	129	116696	10.878	ug/l		99
61) 1,2-Dibromoethane	8.278	107	107473	11.250	ug/l		98
64) Tetrachloroethene	7.899	164	78107	10.351	ug/l		91
65) Chlorobenzene	8.805	112	264008	10.781	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.899	131	99081	10.802	ug/l		99
67) Ethyl Benzene	8.937	91	372030	10.314	ug/l		99
68) m/p-Xylenes	9.063	106	309238	21.615	ug/l		97
69) o-Xylene	9.471	106	127839	10.118	ug/l		96
70) Styrene	9.487	104	231149	10.282	ug/l		98
71) Bromoform	9.657	173	77970	10.511	ug/l	#	99
73) Isopropylbenzene	9.857	105	359579	10.273	ug/l		99
74) N-amyl acetate	9.728	43	137734	9.479	ug/l		96
75) 1,1,2,2-Tetrachloroethane	10.165	83	166524	10.359	ug/l		99
76) 1,2,3-Trichloropropane	10.198	75	119595	10.395	ug/l		93
77) Bromobenzene	10.143	156	103385	10.744	ug/l		98
78) n-propylbenzene	10.278	91	439318	10.344	ug/l		99
79) 2-Chlorotoluene	10.349	91	283648	10.817	ug/l		100
80) 1,3,5-Trimethylbenzene	10.468	105	310730	10.584	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.931	75	47784	10.489	ug/l		97
82) 4-Chlorotoluene	10.464	91	331140	10.987	ug/l		99
83) tert-Butylbenzene	10.789	119	291566	10.002	ug/l		99
84) 1,2,4-Trimethylbenzene	10.841	105	294286	10.183	ug/l		99
85) sec-Butylbenzene	11.011	105	378164	10.260	ug/l		100
86) p-Isopropyltoluene	11.169	119	329566	10.400	ug/l		98
87) 1,3-Dichlorobenzene	11.107	146	209425	10.912	ug/l		98
88) 1,4-Dichlorobenzene	11.197	146	226149	10.453	ug/l		95
89) n-Butylbenzene	11.580	91	296155	10.036	ug/l		97
90) Hexachloroethane	11.821	117	82020	10.467	ug/l		98
91) 1,2-Dichlorobenzene	11.567	146	190419	10.430	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	33178	10.038	ug/l		96
93) 1,2,4-Trichlorobenzene	13.188	180	101434	9.961	ug/l		98
94) Hexachlorobutadiene	13.368	225	53255	10.328	ug/l		99
95) Naphthalene	13.426	128	306685	9.193	ug/l		99
96) 1,2,3-Trichlorobenzene	13.667	180	107157	10.125	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039284.D
Acq On : 07 Oct 2025 10:25
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Oct 08 04:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

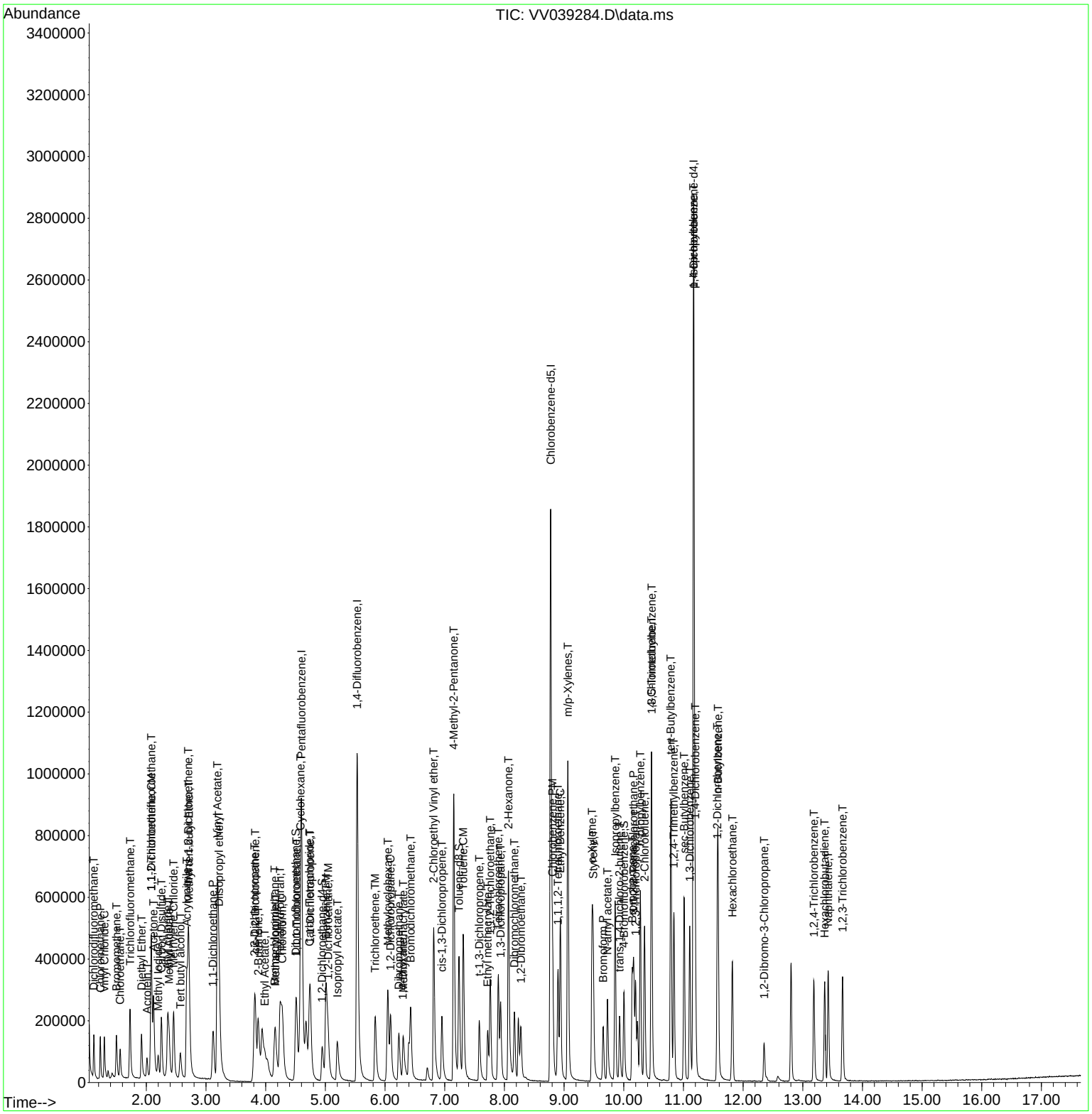
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039284.D
Acq On : 07 Oct 2025 10:25
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC010

Quant Time: Oct 08 04:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039285.D
Acq On : 07 Oct 2025 10:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Oct 08 04:41:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	684929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1068943	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1038940	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	599936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	207395	21.310	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	42.620%#		
35) Dibromofluoromethane	4.503	113	182463	21.664	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	43.320%#		
50) Toluene-d8	7.236	98	637652	22.254	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	44.500%#		
62) 4-Bromofluorobenzene	10.001	95	221880	21.743	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	43.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	177392	20.491	ug/l	99
3) Chloromethane	1.230	50	172228	19.109	ug/l	100
4) Vinyl Chloride	1.298	62	197329	19.191	ug/l	99
5) Bromomethane	1.497	94	130902	19.621	ug/l	98
6) Chloroethane	1.561	64	128639	21.373	ug/l	99
7) Trichlorofluoromethane	1.725	101	300006	19.099	ug/l	100
8) Diethyl Ether	1.918	74	104544	18.417	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	179412	19.074	ug/l	99
10) Methyl Iodide	2.198	142	162986	20.112	ug/l	98
11) Tert butyl alcohol	2.568	59	190075	100.776	ug/l	100
12) 1,1-Dichloroethene	2.082	96	174487	18.893	ug/l	96
13) Acrolein	2.008	56	116044	102.299	ug/l	100
14) Allyl chloride	2.359	41	274531	18.752	ug/l	100
15) Acrylonitrile	2.674	53	520229	93.008	ug/l	100
16) Acetone	2.121	43	486776	101.524	ug/l	98
17) Carbon Disulfide	2.253	76	479754	18.391	ug/l	100
18) Methyl Acetate	2.381	43	254273	20.162	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	526786	18.951	ug/l	99
20) Methylene Chloride	2.458	84	195948	21.419	ug/l	96
21) trans-1,2-Dichloroethene	2.703	96	179212	18.430	ug/l	98
22) Diisopropyl ether	3.217	45	519314	19.757	ug/l	89
23) Vinyl Acetate	3.191	43	2249046	97.463	ug/l	100
24) 1,1-Dichloroethane	3.118	63	327296	18.586	ug/l	99
25) 2-Butanone	3.870	43	606140	102.132	ug/l	99
26) 2,2-Dichloropropane	3.812	77	264468	18.646	ug/l	99
27) cis-1,2-Dichloroethene	3.822	96	180096	18.498	ug/l	96
28) Bromochloromethane	4.146	49	153641	19.964	ug/l	98
29) Tetrahydrofuran	4.240	42	383152	100.710	ug/l	97
30) Chloroform	4.278	83	342239	19.058	ug/l	98
31) Cyclohexane	4.584	56	248657	19.387	ug/l	97
32) 1,1,1-Trichloroethane	4.516	97	297779	18.965	ug/l	99
36) 1,1-Dichloropropene	4.748	75	207722	19.636	ug/l	100
37) Ethyl Acetate	3.979	43	237243	19.219	ug/l	96
38) Carbon Tetrachloride	4.735	117	255516	19.056	ug/l	100
39) Methylcyclohexane	6.050	83	229452	18.978	ug/l	98
40) Benzene	5.011	78	678777	19.996	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039285.D
Acq On : 07 Oct 2025 10:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Oct 08 04:41:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.166	41	95028	19.025	ug/l		95
42) 1,2-Dichloroethane	5.043	62	229561	19.269	ug/l		99
43) Isopropyl Acetate	5.198	43	331186	19.633	ug/l		99
44) Trichloroethene	5.834	130	168843	19.779	ug/l		96
45) 1,2-Dichloropropane	6.092	63	164657	19.934	ug/l		100
46) Dibromomethane	6.227	93	133300	19.307	ug/l		100
47) Bromodichloromethane	6.426	83	266348	19.579	ug/l		100
48) Methyl methacrylate	6.301	41	143078	19.048	ug/l		99
49) 1,4-Dioxane	6.294	88	58694	469.721	ug/l		94
51) 4-Methyl-2-Pentanone	7.149	43	1211982	107.743	ug/l		99
52) Toluene	7.310	92	427535	20.859	ug/l		100
53) t-1,3-Dichloropropene	7.577	75	237681	19.991	ug/l		99
54) cis-1,3-Dichloropropene	6.950	75	268074	20.281	ug/l		98
55) 1,1,2-Trichloroethane	7.764	97	182850	19.757	ug/l		98
56) Ethyl methacrylate	7.719	69	209723	20.297	ug/l		99
57) 1,3-Dichloropropane	7.934	76	284148	20.346	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.815	63	589392	98.113	ug/l		100
59) 2-Hexanone	8.066	43	908449	110.005	ug/l		96
60) Dibromochloromethane	8.169	129	212222	19.612	ug/l		98
61) 1,2-Dibromoethane	8.275	107	192471	19.973	ug/l		100
64) Tetrachloroethene	7.899	164	153650	20.274	ug/l		97
65) Chlorobenzene	8.805	112	475825	19.346	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.899	131	175260	19.024	ug/l		100
67) Ethyl Benzene	8.937	91	718792	19.840	ug/l		97
68) m/p-Xylenes	9.063	106	609583	42.423	ug/l		99
69) o-Xylene	9.468	106	253402	19.969	ug/l		97
70) Styrene	9.487	104	486311	21.538	ug/l		99
71) Bromoform	9.654	173	147076	19.741	ug/l	#	100
73) Isopropylbenzene	9.857	105	731989	20.093	ug/l		100
74) N-amyl acetate	9.725	43	285451	18.876	ug/l		96
75) 1,1,2,2-Tetrachloroethane	10.165	83	302311	18.070	ug/l		98
76) 1,2,3-Trichloropropane	10.198	75	216610	18.090	ug/l		99
77) Bromobenzene	10.140	156	194095	19.381	ug/l		98
78) n-propylbenzene	10.278	91	887506	20.077	ug/l		100
79) 2-Chlorotoluene	10.349	91	559619	20.505	ug/l		99
80) 1,3,5-Trimethylbenzene	10.464	105	632709	20.708	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.931	75	92057	19.416	ug/l		99
82) 4-Chlorotoluene	10.464	91	650385	20.733	ug/l		99
83) tert-Butylbenzene	10.789	119	582590	19.203	ug/l		99
84) 1,2,4-Trimethylbenzene	10.841	105	622532	20.697	ug/l		99
85) sec-Butylbenzene	11.011	105	765416	19.954	ug/l		100
86) p-Isopropyltoluene	11.165	119	666282	20.202	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	396003	19.824	ug/l		99
88) 1,4-Dichlorobenzene	11.198	146	424481	18.852	ug/l		99
89) n-Butylbenzene	11.580	91	601624	19.588	ug/l		98
90) Hexachloroethane	11.818	117	147765	18.119	ug/l		98
91) 1,2-Dichlorobenzene	11.567	146	359381	18.913	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	61887	17.990	ug/l		97
93) 1,2,4-Trichlorobenzene	13.185	180	201256	18.990	ug/l		98
94) Hexachlorobutadiene	13.368	225	99161	18.478	ug/l		99
95) Naphthalene	13.426	128	660463	19.021	ug/l		99
96) 1,2,3-Trichlorobenzene	13.667	180	211792	19.228	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039285.D
Acq On : 07 Oct 2025 10:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Oct 08 04:41:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

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

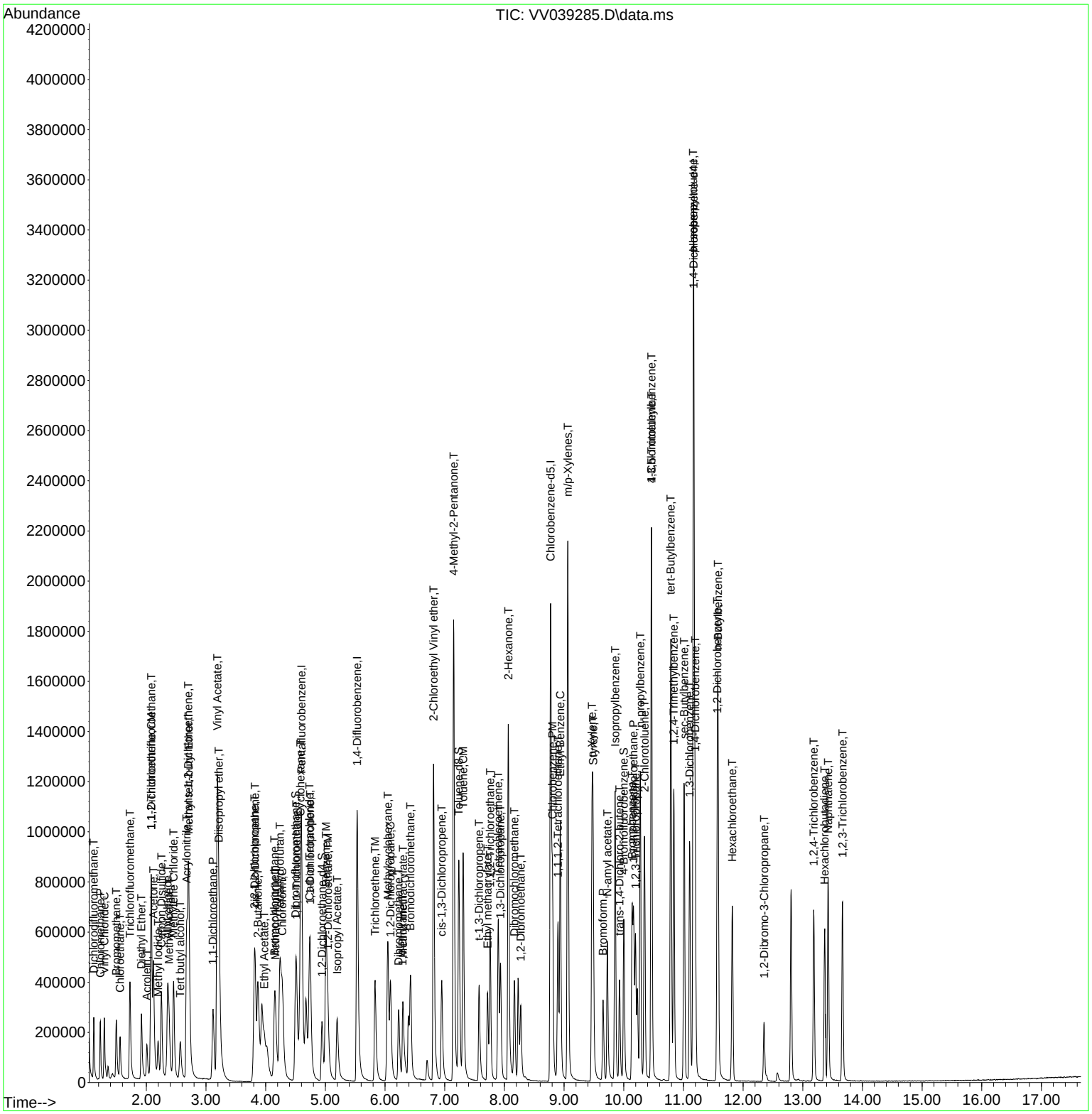
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039285.D
Acq On : 07 Oct 2025 10:47
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC020

Quant Time: Oct 08 04:41:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039286.D
Acq On : 07 Oct 2025 11:10
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Oct 08 04:42:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	740677	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1137525	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1093562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	625297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	488198	46.386	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118			Recovery = 92.780%		
35) Dibromofluoromethane	4.500	113	428600	47.819	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119			Recovery = 95.640%		
50) Toluene-d8	7.236	98	1539340	50.485	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112			Recovery = 100.960%		
62) 4-Bromofluorobenzene	9.998	95	566407	52.159	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114			Recovery = 104.320%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	443023	47.323	ug/l	100
3) Chloromethane	1.230	50	435874	44.721	ug/l	100
4) Vinyl Chloride	1.298	62	493417	44.374	ug/l	100
5) Bromomethane	1.494	94	312191	43.273	ug/l	100
6) Chloroethane	1.558	64	310524	50.611	ug/l	100
7) Trichlorofluoromethane	1.725	101	734860	43.261	ug/l	100
8) Diethyl Ether	1.918	74	267132	43.517	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.082	101	442207	43.475	ug/l	100
10) Methyl Iodide	2.198	142	471195	53.768	ug/l	100
11) Tert butyl alcohol	2.571	59	442966	217.179	ug/l	100
12) 1,1-Dichloroethene	2.082	96	421677	42.222	ug/l	100
13) Acrolein	2.008	56	278306	235.571	ug/l	100
14) Allyl chloride	2.359	41	689035	43.522	ug/l	100
15) Acrylonitrile	2.674	53	1273054	210.469	ug/l	100
16) Acetone	2.117	43	1256942	257.316	ug/l	100
17) Carbon Disulfide	2.252	76	1176778	41.716	ug/l	100
18) Methyl Acetate	2.378	43	613033	44.951	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	1332092	44.314	ug/l	100
20) Methylene Chloride	2.455	84	464083	49.670	ug/l	100
21) trans-1,2-Dichloroethene	2.699	96	438618	41.712	ug/l	100
22) Diisopropyl ether	3.217	45	1318892	46.400	ug/l	100
23) Vinyl Acetate	3.188	43	5764450	231.003	ug/l	100
24) 1,1-Dichloroethane	3.117	63	808699	42.467	ug/l	100
25) 2-Butanone	3.867	43	1580057	246.195	ug/l	100
26) 2,2-Dichloropropane	3.812	77	677781	44.190	ug/l	100
27) cis-1,2-Dichloroethene	3.818	96	486141	46.173	ug/l	100
28) Bromochloromethane	4.146	49	363013	43.620	ug/l	100
29) Tetrahydrofuran	4.236	42	995120	241.876	ug/l	100
30) Chloroform	4.278	83	829923	42.736	ug/l	100
31) Cyclohexane	4.584	56	645772	46.558	ug/l	100
32) 1,1,1-Trichloroethane	4.513	97	741951	43.698	ug/l	100
36) 1,1-Dichloropropene	4.744	75	539826	47.953	ug/l	100
37) Ethyl Acetate	3.976	43	593418	45.175	ug/l	100
38) Carbon Tetrachloride	4.735	117	632245	44.309	ug/l	100
39) Methylcyclohexane	6.047	83	669190	52.013	ug/l	100
40) Benzene	5.008	78	1732886	47.972	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039286.D
Acq On : 07 Oct 2025 11:10
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Oct 08 04:42:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.162	41	273424	48.559	ug/l		100
42) 1,2-Dichloroethane	5.040	62	570110	44.969	ug/l		100
43) Isopropyl Acetate	5.194	43	876691	48.837	ug/l		100
44) Trichloroethene	5.831	130	428718	47.195	ug/l		100
45) 1,2-Dichloropropane	6.088	63	432860	49.244	ug/l		100
46) Dibromomethane	6.223	93	331656	45.141	ug/l		100
47) Bromodichloromethane	6.426	83	662775	45.783	ug/l		100
48) Methyl methacrylate	6.297	41	415059	51.925	ug/l		100
49) 1,4-Dioxane	6.291	88	132823	998.879	ug/l		100
51) 4-Methyl-2-Pentanone	7.149	43	3092633	258.354	ug/l		100
52) Toluene	7.307	92	1104357	50.633	ug/l		100
53) t-1,3-Dichloropropene	7.574	75	638831	50.493	ug/l		100
54) cis-1,3-Dichloropropene	6.947	75	707649	50.309	ug/l		100
55) 1,1,2-Trichloroethane	7.760	97	454676	46.167	ug/l		100
56) Ethyl methacrylate	7.715	69	628899	57.196	ug/l		100
57) 1,3-Dichloropropane	7.934	76	723830	48.704	ug/l		100
58) 2-Chloroethyl Vinyl ether	6.812	63	1696282	251.146	ug/l		100
59) 2-Hexanone	8.063	43	2355430	268.024	ug/l		100
60) Dibromochloromethane	8.169	129	533708	46.348	ug/l		100
61) 1,2-Dibromoethane	8.271	107	485299	47.323	ug/l		100
64) Tetrachloroethene	7.895	164	375765	47.105	ug/l		100
65) Chlorobenzene	8.805	112	1220837	47.158	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.898	131	445040	45.895	ug/l		100
67) Ethyl Benzene	8.937	91	2040911	53.520	ug/l		100
68) m/p-Xylenes	9.062	106	1670888	110.475	ug/l		100
69) o-Xylene	9.468	106	745603	55.823	ug/l		100
70) Styrene	9.484	104	1375448	57.875	ug/l		100
71) Bromoform	9.654	173	371541	47.379	ug/l	#	100
73) Isopropylbenzene	9.857	105	2026988	53.383	ug/l		100
74) N-amyl acetate	9.725	43	800323	50.776	ug/l		100
75) 1,1,2,2-Tetrachloroethane	10.165	83	737774	42.309	ug/l		100
76) 1,2,3-Trichloropropane	10.197	75	557918	44.704	ug/l		100
77) Bromobenzene	10.140	156	511049	48.959	ug/l		100
78) n-propylbenzene	10.278	91	2457311	53.335	ug/l		100
79) 2-Chlorotoluene	10.345	91	1475472	51.870	ug/l		100
80) 1,3,5-Trimethylbenzene	10.464	105	1751408	54.996	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.927	75	251705	50.935	ug/l		100
82) 4-Chlorotoluene	10.461	91	1748616	53.481	ug/l		100
83) tert-Butylbenzene	10.789	119	1659866	52.491	ug/l		100
84) 1,2,4-Trimethylbenzene	10.837	105	1742653	55.586	ug/l		100
85) sec-Butylbenzene	11.011	105	2167600	54.215	ug/l		100
86) p-Isopropyltoluene	11.165	119	1855256	53.970	ug/l		100
87) 1,3-Dichlorobenzene	11.104	146	1008275	48.428	ug/l		100
88) 1,4-Dichlorobenzene	11.194	146	1058637	45.109	ug/l		100
89) n-Butylbenzene	11.580	91	1740657	54.374	ug/l		100
90) Hexachloroethane	11.818	117	371889	43.751	ug/l		100
91) 1,2-Dichlorobenzene	11.567	146	947801	47.855	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.349	75	156001	43.509	ug/l		100
93) 1,2,4-Trichlorobenzene	13.185	180	579179	52.434	ug/l		100
94) Hexachlorobutadiene	13.368	225	251863	45.029	ug/l		100
95) Naphthalene	13.422	128	2054704	56.776	ug/l		100
96) 1,2,3-Trichlorobenzene	13.667	180	597768	52.069	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039286.D
Acq On : 07 Oct 2025 11:10
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Oct 08 04:42:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

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

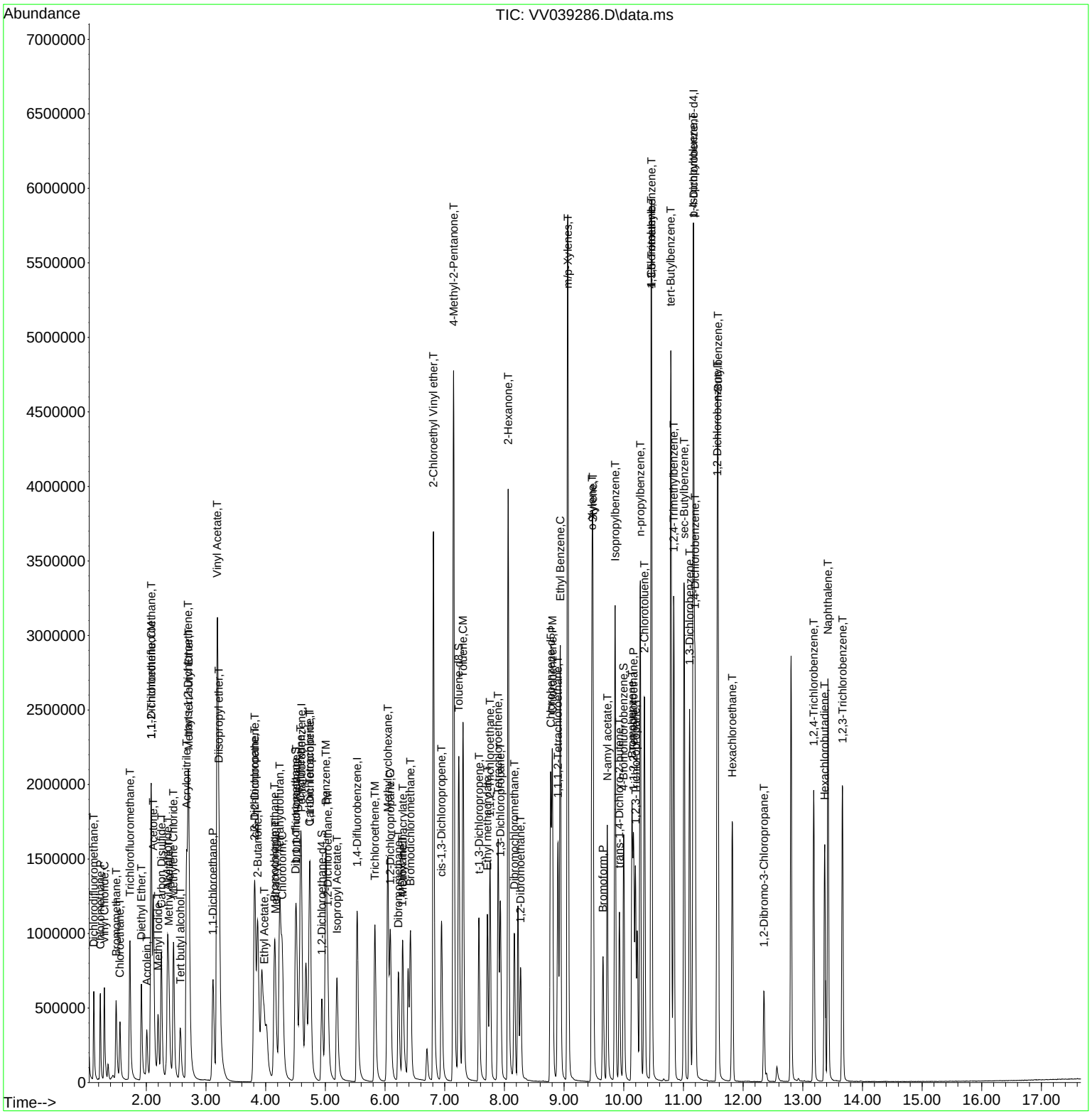
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039286.D
Acq On : 07 Oct 2025 11:10
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICCC050

Quant Time: Oct 08 04:42:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039287.D
Acq On : 07 Oct 2025 11:32
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Quant Time: Oct 08 04:43:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	749661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1167657	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1107633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	621882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	985564	92.521	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 185.040%#			
35) Dibromofluoromethane	4.497	113	858226	93.282	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 186.560%#			
50) Toluene-d8	7.236	98	3134481	100.146	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 200.300%#			
62) 4-Bromofluorobenzene	9.998	95	1168638	104.841	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 209.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	893519	94.301	ug/l	100
3) Chloromethane	1.230	50	879319	89.137	ug/l	100
4) Vinyl Chloride	1.297	62	998482	88.720	ug/l	99
5) Bromomethane	1.487	94	623024	85.322	ug/l	99
6) Chloroethane	1.555	64	603702	99.386	ug/l	99
7) Trichlorofluoromethane	1.722	101	1463821	85.141	ug/l	100
8) Diethyl Ether	1.918	74	550404	88.590	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.079	101	881200	85.597	ug/l	100
10) Methyl Iodide	2.195	142	1028544	115.961	ug/l	99
11) Tert butyl alcohol	2.574	59	889682	430.970	ug/l	100
12) 1,1-Dichloroethene	2.079	96	854123	84.498	ug/l	99
13) Acrolein	2.008	56	596300	506.663	ug/l	99
14) Allyl chloride	2.355	41	1407616	87.845	ug/l	100
15) Acrylonitrile	2.674	53	2595364	423.939	ug/l	99
16) Acetone	2.117	43	2403719	495.727	ug/l	99
17) Carbon Disulfide	2.249	76	2346685	82.192	ug/l	100
18) Methyl Acetate	2.378	43	1264520	91.610	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	2731645	89.783	ug/l	98
20) Methylene Chloride	2.455	84	922846	99.824	ug/l	99
21) trans-1,2-Dichloroethene	2.699	96	880398	82.721	ug/l	99
22) Diisopropyl ether	3.217	45	2663473	92.580	ug/l	93
23) Vinyl Acetate	3.188	43	11652736	461.373	ug/l	99
24) 1,1-Dichloroethane	3.117	63	1598702	82.946	ug/l	99
25) 2-Butanone	3.866	43	3263476	502.401	ug/l	98
26) 2,2-Dichloropropane	3.809	77	1375516	88.606	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	1023815	96.076	ug/l	99
28) Bromochloromethane	4.146	49	683408	81.134	ug/l	100
29) Tetrahydrofuran	4.236	42	2101591	504.695	ug/l	100
30) Chloroform	4.278	83	1662798	84.599	ug/l	100
31) Cyclohexane	4.583	56	1347579	95.992	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	1470824	85.587	ug/l	99
36) 1,1-Dichloropropene	4.741	75	1123479	97.224	ug/l	99
37) Ethyl Acetate	3.973	43	1228696	91.123	ug/l	100
38) Carbon Tetrachloride	4.735	117	1280814	87.445	ug/l	99
39) Methylcyclohexane	6.046	83	1465584	110.972	ug/l	96
40) Benzene	5.008	78	3515685	94.814	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039287.D
Acq On : 07 Oct 2025 11:32
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Quant Time: Oct 08 04:43:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.156	41	593957	100.873	ug/l		98
42) 1,2-Dichloroethane	5.037	62	1144477	87.944	ug/l		100
43) Isopropyl Acetate	5.191	43	1908455	103.569	ug/l		99
44) Trichloroethene	5.828	130	881129	94.495	ug/l		100
45) 1,2-Dichloropropane	6.088	63	873398	96.798	ug/l		100
46) Dibromomethane	6.223	93	669010	88.707	ug/l		98
47) Bromodichloromethane	6.426	83	1331015	89.570	ug/l		99
48) Methyl methacrylate	6.294	41	914826	111.494	ug/l		100
49) 1,4-Dioxane	6.291	88	296818	2174.580	ug/l		91
51) 4-Methyl-2-Pentanone	7.149	43	6345475	516.411	ug/l		99
52) Toluene	7.307	92	2263884	101.117	ug/l		99
53) t-1,3-Dichloropropene	7.570	75	1368814	105.398	ug/l		100
54) cis-1,3-Dichloropropene	6.947	75	1462703	101.305	ug/l		99
55) 1,1,2-Trichloroethane	7.760	97	907428	89.760	ug/l		98
56) Ethyl methacrylate	7.715	69	1403788	124.375	ug/l		100
57) 1,3-Dichloropropane	7.934	76	1467059	96.166	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.812	63	3527395	500.230	ug/l		99
59) 2-Hexanone	8.062	43	4801164	532.226	ug/l		98
60) Dibromochloromethane	8.169	129	1076945	91.110	ug/l		99
61) 1,2-Dibromoethane	8.271	107	991319	94.173	ug/l		99
64) Tetrachloroethene	7.895	164	767463	94.986	ug/l		100
65) Chlorobenzene	8.802	112	2503276	95.468	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.898	131	892682	90.889	ug/l		99
67) Ethyl Benzene	8.937	91	4288544	111.032	ug/l		99
68) m/p-Xylenes	9.062	106	3410520	222.630	ug/l		100
69) o-Xylene	9.468	106	1591932	117.673	ug/l		98
70) Styrene	9.484	104	2846152	118.237	ug/l		99
71) Bromoform	9.654	173	764338	96.230	ug/l	#	100
73) Isopropylbenzene	9.857	105	4236831	112.193	ug/l		100
74) N-amyl acetate	9.722	43	1717728	109.578	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.165	83	1463782	84.405	ug/l		99
76) 1,2,3-Trichloropropane	10.197	75	1139829	91.832	ug/l		99
77) Bromobenzene	10.140	156	1039102	100.094	ug/l		97
78) n-propylbenzene	10.278	91	5031443	109.805	ug/l		99
79) 2-Chlorotoluene	10.349	91	3001261	106.088	ug/l		100
80) 1,3,5-Trimethylbenzene	10.464	105	3568373	112.666	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.927	75	535551	108.969	ug/l		98
82) 4-Chlorotoluene	10.461	91	3551601	109.222	ug/l		99
83) tert-Butylbenzene	10.789	119	3524869	112.082	ug/l		99
84) 1,2,4-Trimethylbenzene	10.837	105	3570942	114.530	ug/l		100
85) sec-Butylbenzene	11.011	105	4503223	113.251	ug/l		100
86) p-Isopropyltoluene	11.165	119	3801102	111.182	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	2025215	97.806	ug/l		100
88) 1,4-Dichlorobenzene	11.194	146	2063431	88.407	ug/l		99
89) n-Butylbenzene	11.577	91	3617227	113.614	ug/l		99
90) Hexachloroethane	11.818	117	753378	89.118	ug/l		100
91) 1,2-Dichlorobenzene	11.564	146	1927089	97.835	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.348	75	329241	92.330	ug/l		98
93) 1,2,4-Trichlorobenzene	13.184	180	1244317	113.268	ug/l		98
94) Hexachlorobutadiene	13.368	225	508802	91.466	ug/l		100
95) Naphthalene	13.422	128	4559594	126.683	ug/l		100
96) 1,2,3-Trichlorobenzene	13.663	180	1278887	112.009	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039287.D
Acq On : 07 Oct 2025 11:32
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Quant Time: Oct 08 04:43:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration

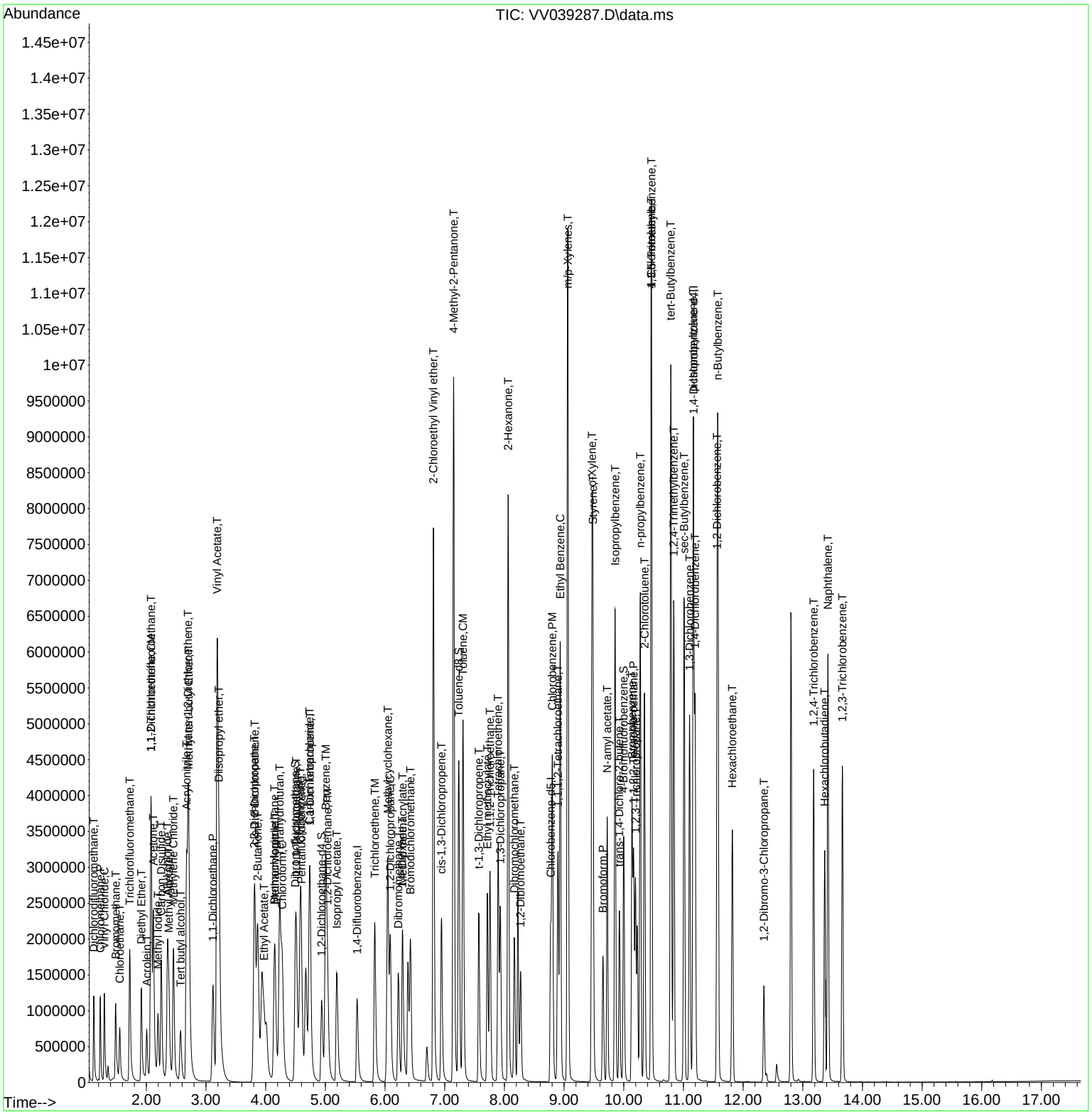
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039287.D
Acq On : 07 Oct 2025 11:32
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDICC100

Quant Time: Oct 08 04:43:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 04:38:33 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	680250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1088696	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1040306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	603412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	481511	49.815	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 99.640%			
35) Dibromofluoromethane	4.500	113	412884	48.132	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 96.260%			
50) Toluene-d8	7.236	98	1454081	49.827	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 99.660%			
62) 4-Bromofluorobenzene	10.001	95	544233	52.365	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 104.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	398736	46.376	ug/l	99
3) Chloromethane	1.230	50	396382	44.282	ug/l	99
4) Vinyl Chloride	1.297	62	441326	43.215	ug/l	100
5) Bromomethane	1.494	94	303068	45.740	ug/l	97
6) Chloroethane	1.558	64	274130	48.557	ug/l	99
7) Trichlorofluoromethane	1.725	101	657569	42.149	ug/l	99
8) Diethyl Ether	1.918	74	255032	45.237	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	398112	42.617	ug/l	100
10) Methyl Iodide	2.198	142	428916	53.291	ug/l	99
11) Tert butyl alcohol	2.571	59	453944	242.332	ug/l	100
12) 1,1-Dichloroethene	2.082	96	379351	41.358	ug/l	99
13) Acrolein	2.008	56	292300	270.420	ug/l	100
14) Allyl chloride	2.358	41	643837	44.280	ug/l	99
15) Acrylonitrile	2.674	53	1264783	227.676	ug/l	99
16) Acetone	2.121	43	1095712	243.690	ug/l	100
17) Carbon Disulfide	2.252	76	1052786	40.636	ug/l	100
18) Methyl Acetate	2.381	43	620740	49.559	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	1305511	47.288	ug/l	98
20) Methylene Chloride	2.458	84	442430	51.647	ug/l	100
21) trans-1,2-Dichloroethene	2.699	96	397405	41.150	ug/l	99
22) Diisopropyl ether	3.217	45	1266524	48.515	ug/l	96
23) Vinyl Acetate	3.188	43	5639411	246.068	ug/l	100
24) 1,1-Dichloroethane	3.117	63	748832	42.816	ug/l	99
25) 2-Butanone	3.866	43	1522527	257.562	ug/l	99
26) 2,2-Dichloropropane	3.812	77	603192	42.820	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	461918	47.770	ug/l	98
28) Bromochloromethane	4.146	49	361200	48.442	ug/l	97
29) Tetrahydrofuran	4.239	42	1008916	266.937	ug/l	99
30) Chloroform	4.278	83	780635	43.769	ug/l	99
31) Cyclohexane	4.583	56	593052	46.556	ug/l	98
32) 1,1,1-Trichloroethane	4.513	97	677409	43.440	ug/l	99
36) 1,1-Dichloropropene	4.744	75	492718	45.731	ug/l	99
37) Ethyl Acetate	3.976	43	585358	46.408	ug/l	98
38) Carbon Tetrachloride	4.735	117	573415	43.684	ug/l	98
39) Methylcyclohexane	6.046	83	606545	49.258	ug/l	98
40) Benzene	5.011	78	1609624	46.558	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	276470	51.206	ug/l	98
42) 1,2-Dichloroethane	5.040	62	548560	45.210	ug/l	99
43) Isopropyl Acetate	5.194	43	873224	52.879	ug/l	99
44) Trichloroethene	5.831	130	389754	44.830	ug/l	96
45) 1,2-Dichloropropane	6.088	63	415923	49.440	ug/l	97
46) Dibromomethane	6.226	93	321539	45.727	ug/l	98
47) Bromodichloromethane	6.426	83	634739	45.813	ug/l	100
48) Methyl methacrylate	6.297	41	416502	54.443	ug/l	100
49) 1,4-Dioxane	6.291	88	150148	1179.813	ug/l	94
51) 4-Methyl-2-Pentanone	7.149	43	3077518	268.622	ug/l	100
52) Toluene	7.307	92	1028063	49.249	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	617453	50.992	ug/l	98
54) cis-1,3-Dichloropropene	6.947	75	674300	50.088	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	439297	46.606	ug/l	99
56) Ethyl methacrylate	7.715	69	632075	59.189	ug/l	99
57) 1,3-Dichloropropane	7.934	76	699121	49.151	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.812	63	1615393	249.980	ug/l	100
59) 2-Hexanone	8.062	43	2327647	276.742	ug/l	99
60) Dibromochloromethane	8.169	129	509675	46.246	ug/l	99
61) 1,2-Dibromoethane	8.271	107	475021	48.399	ug/l	99
64) Tetrachloroethene	7.895	164	342936	45.191	ug/l	98
65) Chlorobenzene	8.805	112	1145718	46.522	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	415835	45.078	ug/l	99
67) Ethyl Benzene	8.937	91	1867580	51.482	ug/l	99
68) m/p-Xylenes	9.062	106	1524093	105.928	ug/l	98
69) o-Xylene	9.468	106	694597	54.666	ug/l	98
70) Styrene	9.484	104	1290477	57.079	ug/l	100
71) Bromoform	9.654	173	362598	48.605	ug/l	100
73) Isopropylbenzene	9.857	105	1861757	50.809	ug/l	100
74) N-amyl acetate	9.725	43	782933	51.855	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.165	83	717810	42.658	ug/l	99
76) 1,2,3-Trichloropropane	10.197	75	545285	45.277	ug/l	100
77) Bromobenzene	10.140	156	480152	47.667	ug/l	98
78) n-propylbenzene	10.278	91	2259240	50.814	ug/l	100
79) 2-Chlorotoluene	10.349	91	1363973	49.689	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	1606972	52.291	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	242777	50.910	ug/l	99
82) 4-Chlorotoluene	10.461	91	1605935	50.899	ug/l	99
83) tert-Butylbenzene	10.789	119	1540578	50.486	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	1613704	53.340	ug/l	100
85) sec-Butylbenzene	11.011	105	1980923	51.343	ug/l	100
86) p-Isopropyltoluene	11.165	119	1696099	51.129	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	940381	46.805	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	973562	43.297	ug/l	99
89) n-Butylbenzene	11.580	91	1583094	51.246	ug/l	100
90) Hexachloroethane	11.818	117	342236	41.723	ug/l	100
91) 1,2-Dichlorobenzene	11.567	146	890154	46.575	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	155566	44.961	ug/l	100
93) 1,2,4-Trichlorobenzene	13.184	180	536155	50.299	ug/l	98
94) Hexachlorobutadiene	13.368	225	228537	42.341	ug/l	99
95) Naphthalene	13.422	128	1981591	56.741	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	563584	50.871	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

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

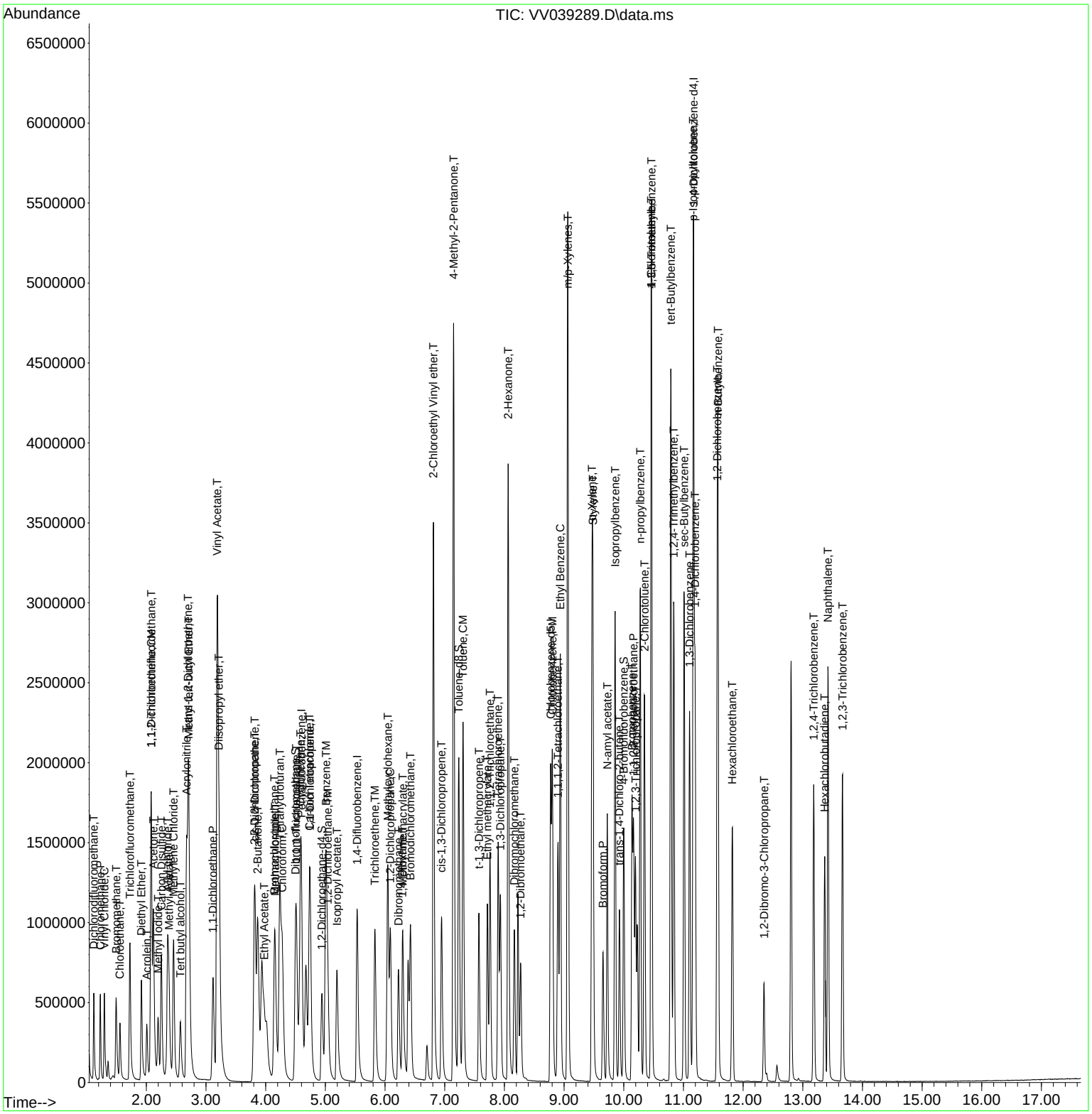
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	0.632	0.586	7.3	90	0.00
3	P	Chloromethane	0.658	0.583	11.4	91	0.00
4	C	Vinyl Chloride	0.751	0.649	13.6#	89	0.00
5	T	Bromomethane	0.487	0.446	8.4	97	0.00
6	T	Chloroethane	0.507	0.403	20.5#	88	0.00
7	T	Trichlorofluoromethane	1.147	0.967	15.7	89	0.00
8	T	Diethyl Ether	0.414	0.375	9.4	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.687	0.585	14.8	90	0.00
10	T	Methyl Iodide	0.592	0.631	-6.6	91	0.00
11	T	Tert butyl alcohol	0.138	0.133	3.6	102	0.00
12	CM	1,1-Dichloroethene	0.674	0.558	17.2#	90	0.00
13	T	Acrolein	0.090	0.086	4.4	105	0.00
14	T	Allyl chloride	1.069	0.946	11.5	93	0.00
15	T	Acrylonitrile	0.408	0.372	8.8	99	0.00
16	T	Acetone	0.404	0.322	20.3#	87	0.00
17	T	Carbon Disulfide	1.904	1.548	18.7	89	0.00
18	T	Methyl Acetate	0.921	0.913	0.9	101	0.00
19	T	Methyl tert-butyl Ether	2.029	1.919	5.4	98	0.00
20	T	Methylene Chloride	0.788	0.650	17.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.710	0.584	17.7	91	0.00
22	T	Diisopropyl ether	1.919	1.862	3.0	96	0.00
23	T	Vinyl Acetate	1.685	1.658	1.6	98	0.00
24	P	1,1-Dichloroethane	1.286	1.101	14.4	93	0.00
25	T	2-Butanone	0.434	0.448	-3.2	96	0.00
26	T	2,2-Dichloropropane	1.035	0.887	14.3	89	0.00
27	T	cis-1,2-Dichloroethene	0.711	0.679	4.5	95	0.00
28	T	Bromochloromethane	0.548	0.531	3.1	100	0.00
29	T	Tetrahydrofuran	0.278	0.297	-6.8	101	0.00
30	C	Chloroform	1.311	1.148	12.4#	94	0.00
31	T	Cyclohexane	0.936	0.872	6.8	92	0.00
32	T	1,1,1-Trichloroethane	1.146	0.996	13.1	91	0.00
33	S	1,2-Dichloroethane-d4	0.710	0.708	0.3	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.394	0.379	3.8	96	0.00
36	T	1,1-Dichloropropene	0.495	0.453	8.5	91	0.00
37	T	Ethyl Acetate	0.579	0.538	7.1	99	0.00
38	T	Carbon Tetrachloride	0.603	0.527	12.6	91	0.00
39	T	Methylcyclohexane	0.566	0.557	1.6	91	0.00
40	TM	Benzene	1.588	1.478	6.9	93	0.00
41	T	Methacrylonitrile	0.207	0.254	-22.7#	101	0.00
42	TM	1,2-Dichloroethane	0.557	0.504	9.5	96	0.00
43	T	Isopropyl Acetate	0.758	0.802	-5.8	100	0.00
44	TM	Trichloroethene	0.399	0.358	10.3	91	0.00
45	C	1,2-Dichloropropane	0.386	0.382	1.0#	96	0.00
46	T	Dibromomethane	0.323	0.295	8.7	97	0.00
47	T	Bromodichloromethane	0.636	0.583	8.3	96	0.00
48	T	Methyl methacrylate	0.351	0.383	-9.1	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	113	0.00
50	S	Toluene-d8	1.340	1.336	0.3	94	0.00
51	T	4-Methyl-2-Pentanone	0.526	0.565	-7.4	100	0.00
52	CM	Toluene	0.959	0.944	1.6#	93	0.00
53	T	t-1,3-Dichloropropene	0.556	0.567	-2.0	97	0.00
54	T	cis-1,3-Dichloropropene	0.618	0.619	-0.2	95	0.00
55	T	1,1,2-Trichloroethane	0.433	0.404	6.7	97	0.00
56	T	Ethyl methacrylate	0.490	0.581	-18.6	101	0.00
57	T	1,3-Dichloropropane	0.653	0.642	1.7	97	0.00
58	T	2-Chloroethyl Vinyl ether	0.242	0.297	-22.7#	95	0.00
59	T	2-Hexanone	0.386	0.428	-10.9	99	0.00
60	T	Dibromochloromethane	0.506	0.468	7.5	95	0.00
61	T	1,2-Dibromoethane	0.451	0.436	3.3	98	0.00
62	S	4-Bromofluorobenzene	0.477	0.500	-4.8	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.365	0.330	9.6	91	0.00
65	PM	Chlorobenzene	1.184	1.101	7.0	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.443	0.400	9.7	93	0.00
67	C	Ethyl Benzene	1.744	1.795	-2.9#	92	0.00
68	T	m/p-Xylenes	0.692	0.733	-5.9	91	0.00
69	T	o-Xylene	0.611	0.668	-9.3	93	0.00
70	T	Styrene	1.087	1.240	-14.1	94	0.00
71	P	Bromoform	0.359	0.349	2.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.036	3.085	-1.6	92	0.00
74	T	N-amyl acetate	1.251	1.298	-3.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.394	1.190	14.6	97	0.00
76	T	1,2,3-Trichloropropane	0.998	0.904	9.4	98	0.00
77	T	Bromobenzene	0.835	0.796	4.7	94	0.00
78	T	n-propylbenzene	3.684	3.744	-1.6	92	0.00
79	T	2-Chlorotoluene	2.275	2.260	0.7	92	0.00
80	T	1,3,5-Trimethylbenzene	2.546	2.663	-4.6	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.395	0.402	-1.8	96	0.00
82	T	4-Chlorotoluene	2.614	2.661	-1.8	92	0.00
83	T	tert-Butylbenzene	2.529	2.553	-0.9	93	0.00
84	T	1,2,4-Trimethylbenzene	2.507	2.674	-6.7	93	0.00
85	T	sec-Butylbenzene	3.197	3.283	-2.7	91	0.00
86	T	p-Isopropyltoluene	2.749	2.811	-2.3	91	0.00
87	T	1,3-Dichlorobenzene	1.665	1.558	6.4	93	0.00
88	T	1,4-Dichlorobenzene	1.863	1.613	13.4	92	0.00
89	T	n-Butylbenzene	2.560	2.624	-2.5	91	0.00
90	T	Hexachloroethane	0.680	0.567	16.6	92	0.00
91	T	1,2-Dichlorobenzene	1.584	1.475	6.9	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.287	0.258	10.1	100	0.00
93	T	1,2,4-Trichlorobenzene	0.883	0.889	-0.7	93	0.00
94	T	Hexachlorobutadiene	0.447	0.379	15.2	91	0.00
95	T	Naphthalene	2.894	3.284	-13.5	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.918	0.934	-1.7	94	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_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	92	0.00
2	T	Dichlorodifluoromethane	50.000	46.376	7.2	90	0.00
3	P	Chloromethane	50.000	44.282	11.4	91	0.00
4	C	Vinyl Chloride	50.000	43.215	13.6#	89	0.00
5	T	Bromomethane	50.000	45.740	8.5	97	0.00
6	T	Chloroethane	50.000	48.557	2.9	88	0.00
7	T	Trichlorofluoromethane	50.000	42.149	15.7	89	0.00
8	T	Diethyl Ether	50.000	45.237	9.5	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	42.617	14.8	90	0.00
10	T	Methyl Iodide	50.000	53.291	-6.6	91	0.00
11	T	Tert butyl alcohol	250.000	242.332	3.1	102	0.00
12	CM	1,1-Dichloroethene	50.000	41.358	17.3#	90	0.00
13	T	Acrolein	250.000	270.420	-8.2	105	0.00
14	T	Allyl chloride	50.000	44.280	11.4	93	0.00
15	T	Acrylonitrile	250.000	227.676	8.9	99	0.00
16	T	Acetone	250.000	243.690	2.5	87	0.00
17	T	Carbon Disulfide	50.000	40.636	18.7	89	0.00
18	T	Methyl Acetate	50.000	49.559	0.9	101	0.00
19	T	Methyl tert-butyl Ether	50.000	47.288	5.4	98	0.00
20	T	Methylene Chloride	50.000	51.647	-3.3	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	41.150	17.7	91	0.00
22	T	Diisopropyl ether	50.000	48.515	3.0	96	0.00
23	T	Vinyl Acetate	250.000	246.068	1.6	98	0.00
24	P	1,1-Dichloroethane	50.000	42.816	14.4	93	0.00
25	T	2-Butanone	250.000	257.562	-3.0	96	0.00
26	T	2,2-Dichloropropane	50.000	42.820	14.4	89	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.770	4.5	95	0.00
28	T	Bromochloromethane	50.000	48.442	3.1	100	0.00
29	T	Tetrahydrofuran	250.000	266.937	-6.8	101	0.00
30	C	Chloroform	50.000	43.769	12.5#	94	0.00
31	T	Cyclohexane	50.000	46.556	6.9	92	0.00
32	T	1,1,1-Trichloroethane	50.000	43.440	13.1	91	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.815	0.4	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	48.132	3.7	96	0.00
36	T	1,1-Dichloropropene	50.000	45.731	8.5	91	0.00
37	T	Ethyl Acetate	50.000	46.408	7.2	99	0.00
38	T	Carbon Tetrachloride	50.000	43.684	12.6	91	0.00
39	T	Methylcyclohexane	50.000	49.258	1.5	91	0.00
40	TM	Benzene	50.000	46.558	6.9	93	0.00
41	T	Methacrylonitrile	50.000	51.206	-2.4	101	0.00
42	TM	1,2-Dichloroethane	50.000	45.210	9.6	96	0.00
43	T	Isopropyl Acetate	50.000	52.879	-5.8	100	0.00
44	TM	Trichloroethene	50.000	44.830	10.3	91	0.00
45	C	1,2-Dichloropropane	50.000	49.440	1.1#	96	0.00
46	T	Dibromomethane	50.000	45.727	8.5	97	0.00
47	T	Bromodichloromethane	50.000	45.813	8.4	96	0.00
48	T	Methyl methacrylate	50.000	54.443	-8.9	100	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1179.813	-18.0	113	0.00
50	S	Toluene-d8	50.000	49.827	0.3	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	268.622	-7.4	100	0.00
52	CM	Toluene	50.000	49.249	1.5#	93	0.00
53	T	t-1,3-Dichloropropene	50.000	50.992	-2.0	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.088	-0.2	95	0.00
55	T	1,1,2-Trichloroethane	50.000	46.606	6.8	97	0.00
56	T	Ethyl methacrylate	50.000	59.189	-18.4	101	0.00
57	T	1,3-Dichloropropane	50.000	49.151	1.7	97	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	249.980	0.0	95	0.00
59	T	2-Hexanone	250.000	276.742	-10.7	99	0.00
60	T	Dibromochloromethane	50.000	46.246	7.5	95	0.00
61	T	1,2-Dibromoethane	50.000	48.399	3.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	52.365	-4.7	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	45.191	9.6	91	0.00
65	PM	Chlorobenzene	50.000	46.522	7.0	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.078	9.8	93	0.00
67	C	Ethyl Benzene	50.000	51.482	-3.0#	92	0.00
68	T	m/p-Xylenes	100.000	105.928	-5.9	91	0.00
69	T	o-Xylene	50.000	54.666	-9.3	93	0.00
70	T	Styrene	50.000	57.079	-14.2	94	0.00
71	P	Bromoform	50.000	48.605	2.8	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	50.809	-1.6	92	0.00
74	T	N-amyl acetate	50.000	51.855	-3.7	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	42.658	14.7	97	0.00
76	T	1,2,3-Trichloropropane	50.000	45.277	9.4	98	0.00
77	T	Bromobenzene	50.000	47.667	4.7	94	0.00
78	T	n-propylbenzene	50.000	50.814	-1.6	92	0.00
79	T	2-Chlorotoluene	50.000	49.689	0.6	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.291	-4.6	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.910	-1.8	96	0.00
82	T	4-Chlorotoluene	50.000	50.899	-1.8	92	0.00
83	T	tert-Butylbenzene	50.000	50.486	-1.0	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.340	-6.7	93	0.00
85	T	sec-Butylbenzene	50.000	51.343	-2.7	91	0.00
86	T	p-Isopropyltoluene	50.000	51.129	-2.3	91	0.00
87	T	1,3-Dichlorobenzene	50.000	46.805	6.4	93	0.00
88	T	1,4-Dichlorobenzene	50.000	43.297	13.4	92	0.00
89	T	n-Butylbenzene	50.000	51.246	-2.5	91	0.00
90	T	Hexachloroethane	50.000	41.723	16.6	92	0.00
91	T	1,2-Dichlorobenzene	50.000	46.575	6.8	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.961	10.1	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.299	-0.6	93	0.00
94	T	Hexachlorobutadiene	50.000	42.341	15.3	91	0.00
95	T	Naphthalene	50.000	56.741	-13.5	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039289.D
Acq On : 07 Oct 2025 12:18
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ICVVV100725

Quant Time: Oct 08 05:05:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.871	-1.7	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VV039306.D**

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: REMI02
Lab Code: ACE
SDG No.: Q3534
Instrument ID: MSVOA_V
Calibration Date/Time: 11/04/2025 11:21
Lab File ID: VV039306.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 11:32
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.632	0.498		-21.2	20
Chloromethane	0.658	0.594	0.1	-9.73	20
Vinyl Chloride	0.751	0.624		-16.91	20
Bromomethane	0.487	0.490		0.62	20
Chloroethane	0.507	0.437		-13.81	20
Trichlorofluoromethane	1.147	0.984		-14.21	20
1,1,2-Trichlorotrifluoroethane	0.687	0.591		-13.97	20
1,1-Dichloroethene	0.674	0.567		-15.88	20
Acetone	0.404	0.369		-8.66	20
Carbon Disulfide	1.904	1.632		-14.29	20
Methyl tert-butyl Ether	2.029	2.267		11.73	20
Methyl Acetate	0.921	0.845		-8.25	20
Methylene Chloride	0.788	0.762		-3.3	20
trans-1,2-Dichloroethene	0.710	0.645		-9.15	20
1,1-Dichloroethane	1.286	1.215	0.1	-5.52	20
Cyclohexane	0.936	0.854		-8.76	20
2-Butanone	0.434	0.460		5.99	20
Carbon Tetrachloride	0.603	0.558		-7.46	20
cis-1,2-Dichloroethene	0.711	0.763		7.31	20
Bromochloromethane	0.548	0.607		10.77	20
Chloroform	1.311	1.296		-1.14	20
1,1,1-Trichloroethane	1.146	1.034		-9.77	20
Methylcyclohexane	0.566	0.515		-9.01	20
Benzene	1.588	1.614		1.64	20
1,2-Dichloroethane	0.557	0.580		4.13	20
Trichloroethene	0.399	0.389		-2.51	20
1,2-Dichloropropane	0.386	0.424		9.85	20
Bromodichloromethane	0.636	0.666		4.72	20
4-Methyl-2-Pentanone	0.526	0.599		13.88	20
Toluene	0.959	1.020		6.36	20
t-1,3-Dichloropropene	0.556	0.647		16.37	20
cis-1,3-Dichloropropene	0.618	0.707		14.4	20
1,1,2-Trichloroethane	0.433	0.465		7.39	20
2-Hexanone	0.386	0.441		14.25	20
Dibromochloromethane	0.506	0.551		8.89	20
1,2-Dibromoethane	0.451	0.501		11.09	20
Tetrachloroethene	0.365	0.343		-6.03	20
Chlorobenzene	1.184	1.160	0.3	-2.03	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: **VV039306.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	REMI02
Lab Code:	ACE	SDG No.:	Q3534
Instrument ID:	MSVOA_V	Calibration Date/Time:	11/04/2025 11:21
Lab File ID:	VV039306.D	Init. Calib. Date(s):	10/07/2025 10/07/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:40 11:32

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.744	1.818		4.24	20
m/p-Xylenes	0.692	0.759		9.68	20
o-Xylene	0.611	0.685		12.11	20
Styrene	1.087	1.291		18.77	20
Bromoform	0.359	0.392	0.1	9.19	20
Isopropylbenzene	3.036	3.218		5.99	20
1,1,2,2-Tetrachloroethane	1.394	1.328	0.3	-4.74	20
1,3-Dichlorobenzene	1.665	1.693		1.68	20
1,4-Dichlorobenzene	1.863	1.758		-5.64	20
1,2-Dichlorobenzene	1.584	1.613		1.83	20
1,2-Dibromo-3-Chloropropane	0.287	0.266		-7.32	20
1,2,4-Trichlorobenzene	0.883	0.929		5.21	20
1,2,3-Trichlorobenzene	0.918	0.977		6.43	20
1,2-Dichloroethane-d4	0.710	0.797		12.25	20
Dibromofluoromethane	0.394	0.423		7.36	20
Toluene-d8	1.340	1.413		5.45	20
4-Bromofluorobenzene	0.477	0.528		10.69	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_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	637264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1024756	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1022016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	572200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	507925	56.092	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 112.180%			
35) Dibromofluoromethane	4.500	113	433799	53.726	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 107.460%			
50) Toluene-d8	7.233	98	1447777	52.707	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 105.420%			
62) 4-Bromofluorobenzene	9.998	95	540972	55.299	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 110.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.124	85	317564m	39.427	ug/l	
3) Chloromethane	1.230	50	378539	45.141	ug/l	99
4) Vinyl Chloride	1.298	62	397662	41.566	ug/l	99
5) Bromomethane	1.500	94	312107	50.281	ug/l	99
6) Chloroethane	1.561	64	278677	52.893	ug/l	99
7) Trichlorofluoromethane	1.728	101	627251	42.918	ug/l	100
8) Diethyl Ether	1.918	74	280720	53.152	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.082	101	376510	43.023	ug/l	99
10) Methyl Iodide	2.198	142	502834	66.690	ug/l	98
11) Tert butyl alcohol	2.564	59	302735	172.512	ug/l	99
12) 1,1-Dichloroethene	2.085	96	361270	42.044	ug/l	99
13) Acrolein	2.008	56	596126	597.108	ug/l	99
14) Allyl chloride	2.359	41	624182	45.823	ug/l	99
15) Acrylonitrile	2.674	53	1279167	245.798	ug/l	100
16) Acetone	2.117	43	1174237	280.314	ug/l	100
17) Carbon Disulfide	2.256	76	1039874	42.845	ug/l	100
18) Methyl Acetate	2.378	43	538703	45.910	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	1444674	55.858	ug/l	99
20) Methylene Chloride	2.458	84	485528	60.899	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	411303	45.462	ug/l	100
22) Diisopropyl ether	3.214	45	1376335	56.278	ug/l	87
23) Vinyl Acetate	3.188	43	6174918	287.608	ug/l	99
24) 1,1-Dichloroethane	3.117	63	774138	47.249	ug/l	99
25) 2-Butanone	3.860	43	1467254	264.955	ug/l	100
26) 2,2-Dichloropropane	3.812	77	590738	44.765	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	486071	53.658	ug/l	97
28) Bromochloromethane	4.143	49	386703	55.360	ug/l	99
29) Tetrahydrofuran	4.233	42	923460	260.808	ug/l	98
30) Chloroform	4.275	83	826124	49.444	ug/l	99
31) Cyclohexane	4.584	56	543925	45.579	ug/l	99
32) 1,1,1-Trichloroethane	4.510	97	659230	45.126	ug/l	98
36) 1,1-Dichloropropene	4.744	75	462466	45.602	ug/l	99
37) Ethyl Acetate	3.973	43	592244	49.883	ug/l	97
38) Carbon Tetrachloride	4.735	117	571435	46.250	ug/l	99
39) Methylcyclohexane	6.047	83	528252	45.576	ug/l	98
40) Benzene	5.008	78	1653548	50.813	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.153	41	273531	53.736	ug/l		99
42) 1,2-Dichloroethane	5.037	62	594744	52.074	ug/l		100
43) Isopropyl Acetate	5.188	43	902456	58.059	ug/l		100
44) Trichloroethene	5.828	130	399079	48.767	ug/l		99
45) 1,2-Dichloropropane	6.085	63	434939	54.926	ug/l		98
46) Dibromomethane	6.223	93	350757	52.994	ug/l		97
47) Bromodichloromethane	6.423	83	682315	52.319	ug/l		100
48) Methyl methacrylate	6.294	41	415063	57.640	ug/l		98
49) 1,4-Dioxane	6.288	88	85719m	715.578	ug/l		
51) 4-Methyl-2-Pentanone	7.143	43	3067700	284.472	ug/l		100
52) Toluene	7.307	92	1044959	53.182	ug/l		99
53) t-1,3-Dichloropropene	7.571	75	662717	58.145	ug/l		100
54) cis-1,3-Dichloropropene	6.944	75	724372	57.165	ug/l		99
55) 1,1,2-Trichloroethane	7.757	97	476609	53.719	ug/l		99
56) Ethyl methacrylate	7.712	69	659731	65.633	ug/l		99
57) 1,3-Dichloropropane	7.931	76	768271	57.383	ug/l		100
58) 2-Chloroethyl Vinyl ether	6.809	63	1805314	295.215	ug/l		99
59) 2-Hexanone	8.059	43	2261357	285.636	ug/l		100
60) Dibromochloromethane	8.165	129	564299	54.397	ug/l		99
61) 1,2-Dibromoethane	8.272	107	513123	55.543	ug/l		99
64) Tetrachloroethene	7.895	164	350075	46.957	ug/l		100
65) Chlorobenzene	8.802	112	1185359	48.993	ug/l		100
66) 1,1,1,2-Tetrachloroethane	8.895	131	445410	49.149	ug/l		100
67) Ethyl Benzene	8.934	91	1857821	52.129	ug/l		100
68) m/p-Xylenes	9.059	106	1551500	109.762	ug/l		99
69) o-Xylene	9.468	106	699770	56.059	ug/l		99
70) Styrene	9.484	104	1319658	59.415	ug/l		100
71) Bromoform	9.651	173	401043	54.721	ug/l	#	99
73) Isopropylbenzene	9.853	105	1841327	52.993	ug/l		100
74) N-amyl acetate	9.722	43	810885	56.636	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.162	83	759804	47.616	ug/l		100
76) 1,2,3-Trichloropropane	10.194	75	551899	48.325	ug/l		99
77) Bromobenzene	10.140	156	505820	52.955	ug/l		99
78) n-propylbenzene	10.275	91	2189294	51.927	ug/l		99
79) 2-Chlorotoluene	10.345	91	1369613	52.616	ug/l		100
80) 1,3,5-Trimethylbenzene	10.461	105	1589645	54.548	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.927	75	254180	56.209	ug/l		99
82) 4-Chlorotoluene	10.461	91	1636764	54.705	ug/l		99
83) tert-Butylbenzene	10.789	119	1479425	51.126	ug/l		98
84) 1,2,4-Trimethylbenzene	10.837	105	1599433	55.752	ug/l		100
85) sec-Butylbenzene	11.011	105	1792784	49.001	ug/l		100
86) p-Isopropyltoluene	11.165	119	1576710	50.123	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	968709	50.845	ug/l		99
88) 1,4-Dichlorobenzene	11.194	146	1006165	47.188	ug/l		99
89) n-Butylbenzene	11.577	91	1393936	47.584	ug/l		99
90) Hexachloroethane	11.818	117	322222	41.426	ug/l		97
91) 1,2-Dichlorobenzene	11.564	146	922761	50.915	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.349	75	151995	46.325	ug/l		99
93) 1,2,4-Trichlorobenzene	13.185	180	531566	52.589	ug/l		99
94) Hexachlorobutadiene	13.368	225	179585	35.087	ug/l		100
95) Naphthalene	13.422	128	1956023	59.064	ug/l		100
96) 1,2,3-Trichlorobenzene	13.664	180	558871	53.198	ug/l		100

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

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

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

Sample Results: **VV039306.D**

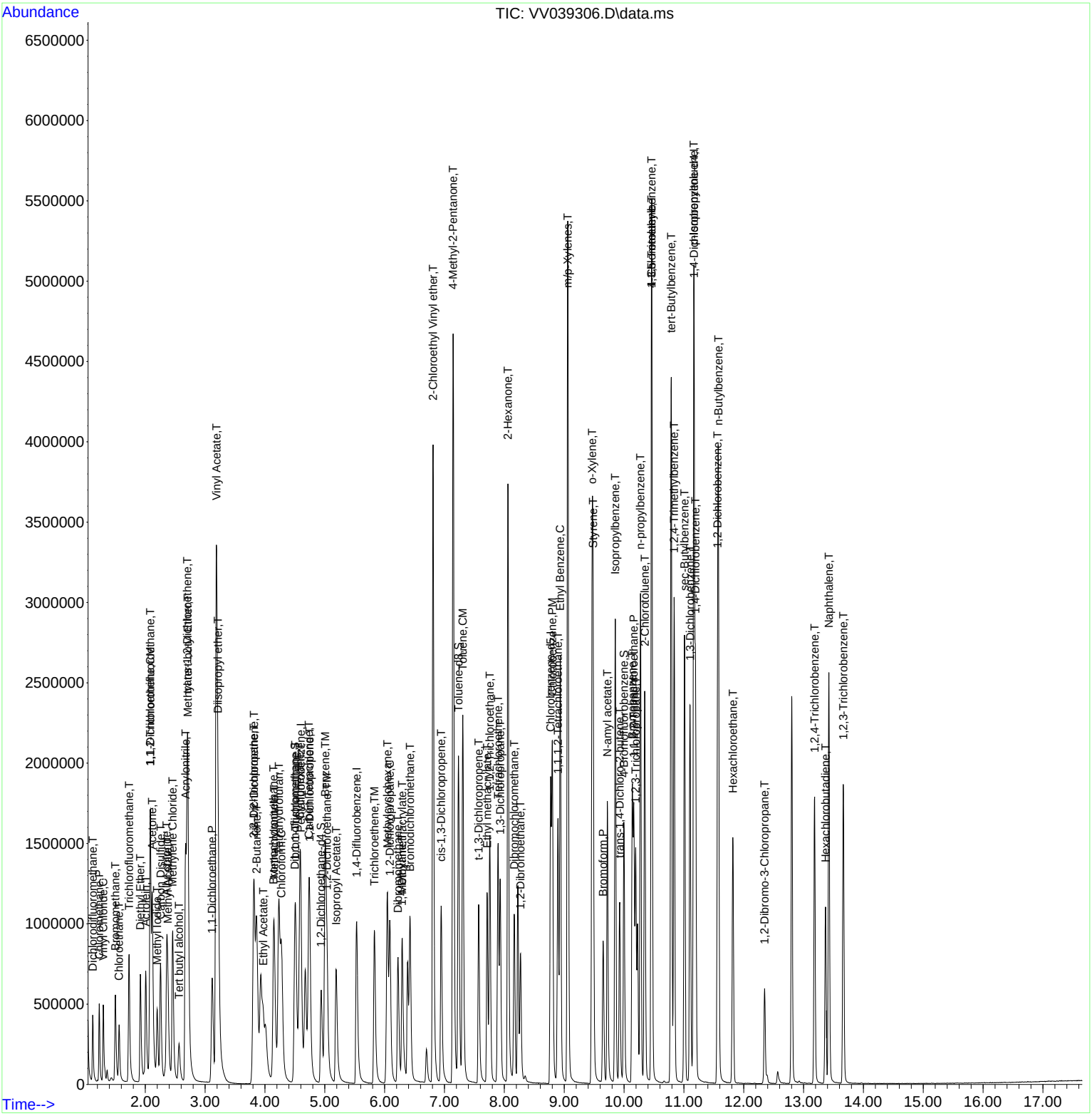
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



Evaluate Continuing Calibration Report

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	86	0.00
2	T	Dichlorodifluoromethane	0.632	0.498	21.2#	72	0.00
3	P	Chloromethane	0.658	0.594	9.7	87	0.00
4	C	Vinyl Chloride	0.751	0.624	16.9#	81	0.00
5	T	Bromomethane	0.487	0.490	-0.6	100	0.00
6	T	Chloroethane	0.507	0.437	13.8	90	0.00
7	T	Trichlorofluoromethane	1.147	0.984	14.2	85	0.00
8	T	Diethyl Ether	0.414	0.441	-6.5	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.687	0.591	14.0	85	0.00
10	T	Methyl Iodide	0.592	0.789	-33.3#	107	0.00
11	T	Tert butyl alcohol	0.138	0.095	31.2#	68	0.00
12	CM	1,1-Dichloroethene	0.674	0.567	15.9#	86	0.00
13	T	Acrolein	0.090	0.187	-107.8#	214#	0.00
14	T	Allyl chloride	1.069	0.979	8.4	91	0.00
15	T	Acrylonitrile	0.408	0.401	1.7	100	0.00
16	T	Acetone	0.404	0.369	8.7	93	0.00
17	T	Carbon Disulfide	1.904	1.632	14.3	88	0.00
18	T	Methyl Acetate	0.921	0.845	8.3	88	0.00
19	T	Methyl tert-butyl Ether	2.029	2.267	-11.7	108	0.00
20	T	Methylene Chloride	0.788	0.762	3.3	105	0.00
21	T	trans-1,2-Dichloroethene	0.710	0.645	9.2	94	0.00
22	T	Diisopropyl ether	1.919	2.160	-12.6	104	0.00
23	T	Vinyl Acetate	1.685	1.938	-15.0	107	0.00
24	P	1,1-Dichloroethane	1.286	1.215	5.5	96	0.00
25	T	2-Butanone	0.434	0.460	-6.0	93	0.00
26	T	2,2-Dichloropropane	1.035	0.927	10.4	87	0.00
27	T	cis-1,2-Dichloroethene	0.711	0.763	-7.3	100	0.00
28	T	Bromochloromethane	0.548	0.607	-10.8	107	0.00
29	T	Tetrahydrofuran	0.278	0.290	-4.3	93	0.00
30	C	Chloroform	1.311	1.296	1.1#	100	0.00
31	T	Cyclohexane	0.936	0.854	8.8	84	0.00
32	T	1,1,1-Trichloroethane	1.146	1.034	9.8	89	0.00
33	S	1,2-Dichloroethane-d4	0.710	0.797	-12.3	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35	S	Dibromofluoromethane	0.394	0.423	-7.4	101	0.00
36	T	1,1-Dichloropropene	0.495	0.451	8.9	86	0.00
37	T	Ethyl Acetate	0.579	0.578	0.2	100	0.00
38	T	Carbon Tetrachloride	0.603	0.558	7.5	90	0.00
39	T	Methylcyclohexane	0.566	0.515	9.0	79	0.00
40	TM	Benzene	1.588	1.614	-1.6	95	0.00
41	T	Methacrylonitrile	0.207	0.267	-29.0#	100	0.00
42	TM	1,2-Dichloroethane	0.557	0.580	-4.1	104	0.00
43	T	Isopropyl Acetate	0.758	0.881	-16.2	103	0.00
44	TM	Trichloroethene	0.399	0.389	2.5	93	0.00
45	C	1,2-Dichloropropane	0.386	0.424	-9.8#	100	0.00
46	T	Dibromomethane	0.323	0.342	-5.9	106	0.00
47	T	Bromodichloromethane	0.636	0.666	-4.7	103	0.00
48	T	Methyl methacrylate	0.351	0.405	-15.4	100	0.00

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.004	33.3#	65	0.00
50	S	Toluene-d8	1.340	1.413	-5.4	94	0.00
51	T	4-Methyl-2-Pentanone	0.526	0.599	-13.9	99	0.00
52	CM	Toluene	0.959	1.020	-6.4#	95	0.00
53	T	t-1,3-Dichloropropene	0.556	0.647	-16.4	104	0.00
54	T	cis-1,3-Dichloropropene	0.618	0.707	-14.4	102	0.00
55	T	1,1,2-Trichloroethane	0.433	0.465	-7.4	105	0.00
56	T	Ethyl methacrylate	0.490	0.644	-31.4#	105	0.00
57	T	1,3-Dichloropropane	0.653	0.750	-14.9	106	0.00
58	T	2-Chloroethyl Vinyl ether	0.242	0.352	-45.5#	106	0.00
59	T	2-Hexanone	0.386	0.441	-14.2	96	0.00
60	T	Dibromochloromethane	0.506	0.551	-8.9	106	0.00
61	T	1,2-Dibromoethane	0.451	0.501	-11.1	106	0.00
62	S	4-Bromofluorobenzene	0.477	0.528	-10.7	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.365	0.343	6.0	93	0.00
65	PM	Chlorobenzene	1.184	1.160	2.0	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.443	0.436	1.6	100	0.00
67	C	Ethyl Benzene	1.744	1.818	-4.2#	91	0.00
68	T	m/p-Xylenes	0.692	0.759	-9.7	93	0.00
69	T	o-Xylene	0.611	0.685	-12.1	94	0.00
70	T	Styrene	1.087	1.291	-18.8	96	0.00
71	P	Bromoform	0.359	0.392	-9.2	108	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.036	3.218	-6.0	91	0.00
74	T	N-amyl acetate	1.251	1.417	-13.3	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.394	1.328	4.7	103	0.00
76	T	1,2,3-Trichloropropane	0.998	0.965	3.3	99	0.00
77	T	Bromobenzene	0.835	0.884	-5.9	99	0.00
78	T	n-propylbenzene	3.684	3.826	-3.9	89	0.00
79	T	2-Chlorotoluene	2.275	2.394	-5.2	93	0.00
80	T	1,3,5-Trimethylbenzene	2.546	2.778	-9.1	91	0.00
81	T	trans-1,4-Dichloro-2-butene	0.395	0.444	-12.4	101	0.00
82	T	4-Chlorotoluene	2.614	2.860	-9.4	94	0.00
83	T	tert-Butylbenzene	2.529	2.586	-2.3	89	0.00
84	T	1,2,4-Trimethylbenzene	2.507	2.795	-11.5	92	0.00
85	T	sec-Butylbenzene	3.197	3.133	2.0	83	0.00
86	T	p-Isopropyltoluene	2.749	2.756	-0.3	85	0.00
87	T	1,3-Dichlorobenzene	1.665	1.693	-1.7	96	0.00
88	T	1,4-Dichlorobenzene	1.863	1.758	5.6	95	0.00
89	T	n-Butylbenzene	2.560	2.436	4.8	80	0.00
90	T	Hexachloroethane	0.680	0.563	17.2	87	0.00
91	T	1,2-Dichlorobenzene	1.584	1.613	-1.8	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.287	0.266	7.3	97	0.00
93	T	1,2,4-Trichlorobenzene	0.883	0.929	-5.2	92	0.00
94	T	Hexachlorobutadiene	0.447	0.314	29.8#	71	0.00
95	T	Naphthalene	2.894	3.418	-18.1	95	0.00

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.918	0.977	-6.4	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	86	0.00
2	T	Dichlorodifluoromethane	50.000	39.427	21.1#	72	0.00
3	P	Chloromethane	50.000	45.141	9.7	87	0.00
4	C	Vinyl Chloride	50.000	41.566	16.9#	81	0.00
5	T	Bromomethane	50.000	50.281	-0.6	100	0.00
6	T	Chloroethane	50.000	52.893	-5.8	90	0.00
7	T	Trichlorofluoromethane	50.000	42.918	14.2	85	0.00
8	T	Diethyl Ether	50.000	53.152	-6.3	105	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.023	14.0	85	0.00
10	T	Methyl Iodide	50.000	66.690	-33.4#	107	0.00
11	T	Tert butyl alcohol	250.000	172.512	31.0#	68	0.00
12	CM	1,1-Dichloroethene	50.000	42.044	15.9#	86	0.00
13	T	Acrolein	250.000	597.108	-138.8#	214	0.00
14	T	Allyl chloride	50.000	45.823	8.4	91	0.00
15	T	Acrylonitrile	250.000	245.798	1.7	100	0.00
16	T	Acetone	250.000	280.314	-12.1	93	0.00
17	T	Carbon Disulfide	50.000	42.845	14.3	88	0.00
18	T	Methyl Acetate	50.000	45.910	8.2	88	0.00
19	T	Methyl tert-butyl Ether	50.000	55.858	-11.7	108	0.00
20	T	Methylene Chloride	50.000	60.899	-21.8#	105	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.462	9.1	94	0.00
22	T	Diisopropyl ether	50.000	56.278	-12.6	104	0.00
23	T	Vinyl Acetate	250.000	287.608	-15.0	107	0.00
24	P	1,1-Dichloroethane	50.000	47.249	5.5	96	0.00
25	T	2-Butanone	250.000	264.955	-6.0	93	0.00
26	T	2,2-Dichloropropane	50.000	44.765	10.5	87	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.658	-7.3	100	0.00
28	T	Bromochloromethane	50.000	55.360	-10.7	107	0.00
29	T	Tetrahydrofuran	250.000	260.808	-4.3	93	0.00
30	C	Chloroform	50.000	49.444	1.1#	100	0.00
31	T	Cyclohexane	50.000	45.579	8.8	84	0.00
32	T	1,1,1-Trichloroethane	50.000	45.126	9.7	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	56.092	-12.2	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35	S	Dibromofluoromethane	50.000	53.726	-7.5	101	0.00
36	T	1,1-Dichloropropene	50.000	45.602	8.8	86	0.00
37	T	Ethyl Acetate	50.000	49.883	0.2	100	0.00
38	T	Carbon Tetrachloride	50.000	46.250	7.5	90	0.00
39	T	Methylcyclohexane	50.000	45.576	8.8	79	0.00
40	TM	Benzene	50.000	50.813	-1.6	95	0.00
41	T	Methacrylonitrile	50.000	53.736	-7.5	100	0.00
42	TM	1,2-Dichloroethane	50.000	52.074	-4.1	104	0.00
43	T	Isopropyl Acetate	50.000	58.059	-16.1	103	0.00
44	TM	Trichloroethene	50.000	48.767	2.5	93	0.00
45	C	1,2-Dichloropropane	50.000	54.926	-9.9#	100	0.00
46	T	Dibromomethane	50.000	52.994	-6.0	106	0.00
47	T	Bromodichloromethane	50.000	52.319	-4.6	103	0.00
48	T	Methyl methacrylate	50.000	57.640	-15.3	100	0.00

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	715.578	28.4#	65	0.00
50	S	Toluene-d8	50.000	52.707	-5.4	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	284.472	-13.8	99	0.00
52	CM	Toluene	50.000	53.182	-6.4#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	58.145	-16.3	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.165	-14.3	102	0.00
55	T	1,1,2-Trichloroethane	50.000	53.719	-7.4	105	0.00
56	T	Ethyl methacrylate	50.000	65.633	-31.3#	105	0.00
57	T	1,3-Dichloropropane	50.000	57.383	-14.8	106	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	295.215	-18.1	106	0.00
59	T	2-Hexanone	250.000	285.636	-14.3	96	0.00
60	T	Dibromochloromethane	50.000	54.397	-8.8	106	0.00
61	T	1,2-Dibromoethane	50.000	55.543	-11.1	106	0.00
62	S	4-Bromofluorobenzene	50.000	55.299	-10.6	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	46.957	6.1	93	0.00
65	PM	Chlorobenzene	50.000	48.993	2.0	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.149	1.7	100	0.00
67	C	Ethyl Benzene	50.000	52.129	-4.3#	91	0.00
68	T	m/p-Xylenes	100.000	109.762	-9.8	93	0.00
69	T	o-Xylene	50.000	56.059	-12.1	94	0.00
70	T	Styrene	50.000	59.415	-18.8	96	0.00
71	P	Bromoform	50.000	54.721	-9.4	108	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	52.993	-6.0	91	0.00
74	T	N-amyl acetate	50.000	56.636	-13.3	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.616	4.8	103	0.00
76	T	1,2,3-Trichloropropane	50.000	48.325	3.3	99	0.00
77	T	Bromobenzene	50.000	52.955	-5.9	99	0.00
78	T	n-propylbenzene	50.000	51.927	-3.9	89	0.00
79	T	2-Chlorotoluene	50.000	52.616	-5.2	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.548	-9.1	91	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.209	-12.4	101	0.00
82	T	4-Chlorotoluene	50.000	54.705	-9.4	94	0.00
83	T	tert-Butylbenzene	50.000	51.126	-2.3	89	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.752	-11.5	92	0.00
85	T	sec-Butylbenzene	50.000	49.001	2.0	83	0.00
86	T	p-Isopropyltoluene	50.000	50.123	-0.2	85	0.00
87	T	1,3-Dichlorobenzene	50.000	50.845	-1.7	96	0.00
88	T	1,4-Dichlorobenzene	50.000	47.188	5.6	95	0.00
89	T	n-Butylbenzene	50.000	47.584	4.8	80	0.00
90	T	Hexachloroethane	50.000	41.426	17.1	87	0.00
91	T	1,2-Dichlorobenzene	50.000	50.915	-1.8	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.325	7.3	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.589	-5.2	92	0.00
94	T	Hexachlorobutadiene	50.000	35.087	29.8#	71	0.00
95	T	Naphthalene	50.000	59.064	-18.1	95	0.00

Sample Results: **VV039306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039306.D
Acq On : 04 Nov 2025 11:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 05 00:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.198	-6.4	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VV039328.D**

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:	REMI02
Lab Code:	ACE	SDG No.:	Q3534
Instrument ID:	MSVOA_V	Calibration Date/Time:	11/05/2025 11:34
Lab File ID:	VV039328.D	Init. Calib. Date(s):	10/07/2025 10/07/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:40 11:32

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.632	0.499		-21.04	20
Chloromethane	0.658	0.571	0.1	-13.22	20
Vinyl Chloride	0.751	0.632		-15.85	20
Bromomethane	0.487	0.389		-20.12	20
Chloroethane	0.507	0.431		-14.99	20
Trichlorofluoromethane	1.147	0.987		-13.95	20
1,1,2-Trichlorotrifluoroethane	0.687	0.607		-11.65	20
1,1-Dichloroethene	0.674	0.591		-12.31	20
Acetone	0.404	0.371		-8.17	20
Carbon Disulfide	1.904	1.668		-12.4	20
Methyl tert-butyl Ether	2.029	2.166		6.75	20
Methyl Acetate	0.921	0.856		-7.06	20
Methylene Chloride	0.788	0.725		-7.99	20
trans-1,2-Dichloroethene	0.710	0.643		-9.44	20
1,1-Dichloroethane	1.286	1.191	0.1	-7.39	20
Cyclohexane	0.936	0.867		-7.37	20
2-Butanone	0.434	0.478		10.14	20
Carbon Tetrachloride	0.603	0.586		-2.82	20
cis-1,2-Dichloroethene	0.711	0.735		3.38	20
Bromochloromethane	0.548	0.556		1.46	20
Chloroform	1.311	1.284		-2.06	20
1,1,1-Trichloroethane	1.146	1.057		-7.77	20
Methylcyclohexane	0.566	0.548		-3.18	20
Benzene	1.588	1.656		4.28	20
1,2-Dichloroethane	0.557	0.576		3.41	20
Trichloroethene	0.399	0.395		-1	20
1,2-Dichloropropane	0.386	0.429		11.14	20
Bromodichloromethane	0.636	0.664		4.4	20
4-Methyl-2-Pentanone	0.526	0.615		16.92	20
Toluene	0.959	1.057		10.22	20
t-1,3-Dichloropropene	0.556	0.642		15.47	20
cis-1,3-Dichloropropene	0.618	0.706		14.24	20
1,1,2-Trichloroethane	0.433	0.468		8.08	20
2-Hexanone	0.386	0.461		19.43	20
Dibromochloromethane	0.506	0.548		8.3	20
1,2-Dibromoethane	0.451	0.499		10.64	20
Tetrachloroethene	0.365	0.353		-3.29	20
Chlorobenzene	1.184	1.197	0.3	1.1	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: **VV039328.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	REMI02
Lab Code:	ACE	SDG No.:	Q3534
Instrument ID:	MSVOA_V	Calibration Date/Time:	11/05/2025 11:34
Lab File ID:	VV039328.D	Init. Calib. Date(s):	10/07/2025 10/07/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:40 11:32

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.744	1.936		11.01	20
m/p-Xylenes	0.692	0.800		15.61	20
o-Xylene	0.611	0.720		17.84	20
Styrene	1.087	1.354		24.56	20
Bromoform	0.359	0.392	0.1	9.19	20
Isopropylbenzene	3.036	3.311		9.06	20
1,1,2,2-Tetrachloroethane	1.394	1.325	0.3	-4.95	20
1,3-Dichlorobenzene	1.665	1.723		3.48	20
1,4-Dichlorobenzene	1.863	1.791		-3.87	20
1,2-Dichlorobenzene	1.584	1.626		2.65	20
1,2-Dibromo-3-Chloropropane	0.287	0.260		-9.41	20
1,2,4-Trichlorobenzene	0.883	0.932		5.55	20
1,2,3-Trichlorobenzene	0.918	0.974		6.1	20
1,2-Dichloroethane-d4	0.710	0.759		6.9	20
Dibromofluoromethane	0.394	0.425		7.87	20
Toluene-d8	1.340	1.461		9.03	20
4-Bromofluorobenzene	0.477	0.551		15.51	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_V\DATA\VV110525\
Data File : VV039328.D
Acq On : 05 Nov 2025 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.596	168	644517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1006974	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	993503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	575078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	489297	53.427	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 106.860%			
35) Dibromofluoromethane	4.497	113	427817	53.920	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 107.840%			
50) Toluene-d8	7.233	98	1471302	54.509	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 109.020%			
62) 4-Bromofluorobenzene	9.998	95	554577	57.691	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 115.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	321774	39.500	ug/l	99
3) Chloromethane	1.230	50	367991	43.389	ug/l	100
4) Vinyl Chloride	1.298	62	407496	42.115	ug/l	99
5) Bromomethane	1.494	94	250921	39.969	ug/l	98
6) Chloroethane	1.558	64	277627	52.065	ug/l	97
7) Trichlorofluoromethane	1.725	101	636004	43.027	ug/l	100
8) Diethyl Ether	1.918	74	274729	51.432	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	391341	44.215	ug/l	100
10) Methyl Iodide	2.198	142	397811	52.167	ug/l	97
11) Tert butyl alcohol	2.564	59	396442	223.369	ug/l	99
12) 1,1-Dichloroethene	2.082	96	381146	43.858	ug/l	97
13) Acrolein	2.005	56	419396	413.186	ug/l	98
14) Allyl chloride	2.355	41	642266	46.620	ug/l	100
15) Acrylonitrile	2.670	53	1295180	246.074	ug/l	100
16) Acetone	2.114	43	1195872	282.341	ug/l	100
17) Carbon Disulfide	2.252	76	1074741	43.783	ug/l	99
18) Methyl Acetate	2.378	43	551669	46.486	ug/l	98
19) Methyl tert-butyl Ether	2.709	73	1396241	53.378	ug/l	99
20) Methylene Chloride	2.455	84	467374	57.850	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	414207	45.267	ug/l	97
22) Diisopropyl ether	3.214	45	1354919	54.779	ug/l	94
23) Vinyl Acetate	3.185	43	6069819	279.531	ug/l	99
24) 1,1-Dichloroethane	3.117	63	767387	46.310	ug/l	99
25) 2-Butanone	3.860	43	1541060	275.151	ug/l	99
26) 2,2-Dichloropropane	3.809	77	618358	46.330	ug/l	100
27) cis-1,2-Dichloroethene	3.818	96	473627	51.696	ug/l	98
28) Bromochloromethane	4.143	49	358159	50.697	ug/l	99
29) Tetrahydrofuran	4.233	42	994144	277.612	ug/l	99
30) Chloroform	4.275	83	827455	48.966	ug/l	100
31) Cyclohexane	4.580	56	558505	46.274	ug/l	99
32) 1,1,1-Trichloroethane	4.510	97	681213	46.106	ug/l	99
36) 1,1-Dichloropropene	4.741	75	491141	49.285	ug/l	99
37) Ethyl Acetate	3.973	43	600646	51.484	ug/l	99
38) Carbon Tetrachloride	4.731	117	590516	48.638	ug/l	99
39) Methylcyclohexane	6.043	83	551885	48.456	ug/l	98
40) Benzene	5.005	78	1667129	52.135	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039328.D
Acq On : 05 Nov 2025 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	272254	54.408	ug/l	98
42) 1,2-Dichloroethane	5.037	62	579666	51.650	ug/l	99
43) Isopropyl Acetate	5.188	43	891916	58.395	ug/l	99
44) Trichloroethene	5.828	130	397621	49.447	ug/l	99
45) 1,2-Dichloropropane	6.085	63	431534	55.458	ug/l	98
46) Dibromomethane	6.220	93	341783	52.550	ug/l	98
47) Bromodichloromethane	6.423	83	668756	52.185	ug/l	98
48) Methyl methacrylate	6.291	41	417085	58.943	ug/l	98
49) 1,4-Dioxane	6.288	88	129928	1103.786	ug/l	95
51) 4-Methyl-2-Pentanone	7.146	43	3096474	292.211	ug/l	100
52) Toluene	7.307	92	1064354	55.125	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	646667	57.739	ug/l	98
54) cis-1,3-Dichloropropene	6.944	75	711311	57.125	ug/l	100
55) 1,1,2-Trichloroethane	7.757	97	471151	54.042	ug/l	97
56) Ethyl methacrylate	7.712	69	641802	64.977	ug/l	99
57) 1,3-Dichloropropane	7.931	76	742902	56.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.809	63	1793544	298.376	ug/l	99
59) 2-Hexanone	8.059	43	2320510	298.284	ug/l	99
60) Dibromochloromethane	8.165	129	552108	54.162	ug/l	100
61) 1,2-Dibromoethane	8.268	107	502481	55.351	ug/l	100
64) Tetrachloroethene	7.895	164	350933	48.423	ug/l	98
65) Chlorobenzene	8.802	112	1189287	50.566	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.895	131	443379	50.329	ug/l	100
67) Ethyl Benzene	8.934	91	1923419	55.519	ug/l	99
68) m/p-Xylenes	9.059	106	1588831	115.629	ug/l	100
69) o-Xylene	9.468	106	715416	58.957	ug/l	99
70) Styrene	9.484	104	1344948	62.291	ug/l	99
71) Bromoform	9.651	173	389416	54.659	ug/l	99
73) Isopropylbenzene	9.853	105	1904119	54.526	ug/l	100
74) N-amyl acetate	9.722	43	806173	56.025	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	762215	47.528	ug/l	99
76) 1,2,3-Trichloropropane	10.194	75	553871	48.255	ug/l	100
77) Bromobenzene	10.140	156	506624	52.774	ug/l	99
78) n-propylbenzene	10.275	91	2295068	54.163	ug/l	99
79) 2-Chlorotoluene	10.345	91	1414565	54.071	ug/l	100
80) 1,3,5-Trimethylbenzene	10.461	105	1651701	56.394	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	252131	55.476	ug/l	100
82) 4-Chlorotoluene	10.461	91	1671189	55.577	ug/l	100
83) tert-Butylbenzene	10.789	119	1533513	52.730	ug/l	98
84) 1,2,4-Trimethylbenzene	10.837	105	1663288	57.688	ug/l	100
85) sec-Butylbenzene	11.011	105	1891882	51.451	ug/l	100
86) p-Isopropyltoluene	11.165	119	1642821	51.963	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	991093	51.759	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	1029945	48.062	ug/l	99
89) n-Butylbenzene	11.577	91	1492091	50.680	ug/l	100
90) Hexachloroethane	11.818	117	341450	43.678	ug/l	99
91) 1,2-Dichlorobenzene	11.564	146	935254	51.346	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	149563	45.356	ug/l	100
93) 1,2,4-Trichlorobenzene	13.185	180	535803	52.743	ug/l	99
94) Hexachlorobutadiene	13.368	225	183652	35.702	ug/l	99
95) Naphthalene	13.422	128	1966551	59.085	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	560178	53.055	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039328.D
Acq On : 05 Nov 2025 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

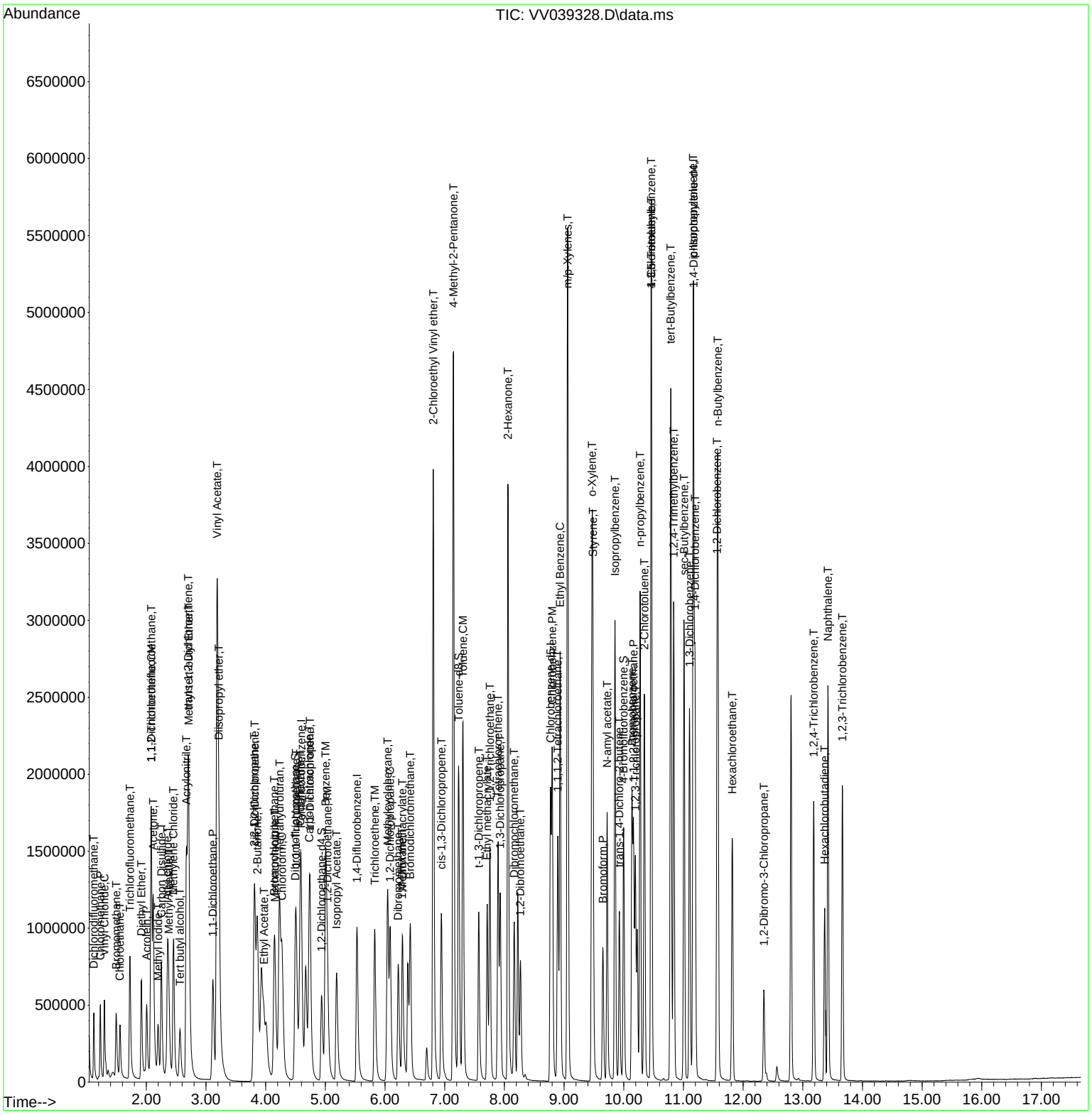
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039328.D
Acq On : 05 Nov 2025 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



Sample Results: **VV039328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039328.D
Acq On : 05 Nov 2025 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	87	0.00
2	T	Dichlorodifluoromethane	0.632	0.499	21.0#	73	0.00
3	P	Chloromethane	0.658	0.571	13.2	84	0.00
4	C	Vinyl Chloride	0.751	0.632	15.8#	83	0.00
5	T	Bromomethane	0.487	0.389	20.1#	80	0.00
6	T	Chloroethane	0.507	0.431	15.0	89	0.00
7	T	Trichlorofluoromethane	1.147	0.987	13.9	87	0.00
8	T	Diethyl Ether	0.414	0.426	-2.9	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.687	0.607	11.6	88	0.00
10	T	Methyl Iodide	0.592	0.617	-4.2	84	0.00
11	T	Tert butyl alcohol	0.138	0.123	10.9	89	0.00
12	CM	1,1-Dichloroethene	0.674	0.591	12.3#	90	0.00
13	T	Acrolein	0.090	0.130	-44.4#	151#	0.00
14	T	Allyl chloride	1.069	0.997	6.7	93	0.00
15	T	Acrylonitrile	0.408	0.402	1.5	102	0.00
16	T	Acetone	0.404	0.371	8.2	95	0.00
17	T	Carbon Disulfide	1.904	1.668	12.4	91	0.00
18	T	Methyl Acetate	0.921	0.856	7.1	90	0.00
19	T	Methyl tert-butyl Ether	2.029	2.166	-6.8	105	0.00
20	T	Methylene Chloride	0.788	0.725	8.0	101	0.00
21	T	trans-1,2-Dichloroethene	0.710	0.643	9.4	94	0.00
22	T	Diisopropyl ether	1.919	2.102	-9.5	103	0.00
23	T	Vinyl Acetate	1.685	1.884	-11.8	105	0.00
24	P	1,1-Dichloroethane	1.286	1.191	7.4	95	0.00
25	T	2-Butanone	0.434	0.478	-10.1	98	0.00
26	T	2,2-Dichloropropane	1.035	0.959	7.3	91	0.00
27	T	cis-1,2-Dichloroethene	0.711	0.735	-3.4	97	0.00
28	T	Bromochloromethane	0.548	0.556	-1.5	99	0.00
29	T	Tetrahydrofuran	0.278	0.308	-10.8	100	0.00
30	C	Chloroform	1.311	1.284	2.1#	100	0.00
31	T	Cyclohexane	0.936	0.867	7.4	86	0.00
32	T	1,1,1-Trichloroethane	1.146	1.057	7.8	92	0.00
33	S	1,2-Dichloroethane-d4	0.710	0.759	-6.9	100	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35	S	Dibromofluoromethane	0.394	0.425	-7.9	100	0.00
36	T	1,1-Dichloropropene	0.495	0.488	1.4	91	0.00
37	T	Ethyl Acetate	0.579	0.596	-2.9	101	0.00
38	T	Carbon Tetrachloride	0.603	0.586	2.8	93	0.00
39	T	Methylcyclohexane	0.566	0.548	3.2	82	0.00
40	TM	Benzene	1.588	1.656	-4.3	96	0.00
41	T	Methacrylonitrile	0.207	0.270	-30.4#	100	0.00
42	TM	1,2-Dichloroethane	0.557	0.576	-3.4	102	0.00
43	T	Isopropyl Acetate	0.758	0.886	-16.9	102	0.00
44	TM	Trichloroethene	0.399	0.395	1.0	93	0.00
45	C	1,2-Dichloropropane	0.386	0.429	-11.1#	100	0.00
46	T	Dibromomethane	0.323	0.339	-5.0	103	0.00
47	T	Bromodichloromethane	0.636	0.664	-4.4	101	0.00
48	T	Methyl methacrylate	0.351	0.414	-17.9	100	0.00

Sample Results: **VV039328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039328.D
Acq On : 05 Nov 2025 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	98	0.00
50	S	Toluene-d8	1.340	1.461	-9.0	96	0.00
51	T	4-Methyl-2-Pentanone	0.526	0.615	-16.9	100	0.00
52	CM	Toluene	0.959	1.057	-10.2#	96	0.00
53	T	t-1,3-Dichloropropene	0.556	0.642	-15.5	101	0.00
54	T	cis-1,3-Dichloropropene	0.618	0.706	-14.2	101	0.00
55	T	1,1,2-Trichloroethane	0.433	0.468	-8.1	104	0.00
56	T	Ethyl methacrylate	0.490	0.637	-30.0#	102	0.00
57	T	1,3-Dichloropropane	0.653	0.738	-13.0	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.242	0.356	-47.1#	106	0.00
59	T	2-Hexanone	0.386	0.461	-19.4	99	0.00
60	T	Dibromochloromethane	0.506	0.548	-8.3	103	0.00
61	T	1,2-Dibromoethane	0.451	0.499	-10.6	104	0.00
62	S	4-Bromofluorobenzene	0.477	0.551	-15.5	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
64	T	Tetrachloroethene	0.365	0.353	3.3	93	0.00
65	PM	Chlorobenzene	1.184	1.197	-1.1	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.443	0.446	-0.7	100	0.00
67	C	Ethyl Benzene	1.744	1.936	-11.0#	94	0.00
68	T	m/p-Xylenes	0.692	0.800	-15.6	95	0.00
69	T	o-Xylene	0.611	0.720	-17.8	96	0.00
70	T	Styrene	1.087	1.354	-24.6#	98	0.00
71	P	Bromoform	0.359	0.392	-9.2	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.036	3.311	-9.1	94	0.00
74	T	N-amyl acetate	1.251	1.402	-12.1	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.394	1.325	4.9	103	0.00
76	T	1,2,3-Trichloropropane	0.998	0.963	3.5	99	0.00
77	T	Bromobenzene	0.835	0.881	-5.5	99	0.00
78	T	n-propylbenzene	3.684	3.991	-8.3	93	0.00
79	T	2-Chlorotoluene	2.275	2.460	-8.1	96	0.00
80	T	1,3,5-Trimethylbenzene	2.546	2.872	-12.8	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.395	0.438	-10.9	100	0.00
82	T	4-Chlorotoluene	2.614	2.906	-11.2	96	0.00
83	T	tert-Butylbenzene	2.529	2.667	-5.5	92	0.00
84	T	1,2,4-Trimethylbenzene	2.507	2.892	-15.4	95	0.00
85	T	sec-Butylbenzene	3.197	3.290	-2.9	87	0.00
86	T	p-Isopropyltoluene	2.749	2.857	-3.9	89	0.00
87	T	1,3-Dichlorobenzene	1.665	1.723	-3.5	98	0.00
88	T	1,4-Dichlorobenzene	1.863	1.791	3.9	97	0.00
89	T	n-Butylbenzene	2.560	2.595	-1.4	86	0.00
90	T	Hexachloroethane	0.680	0.594	12.6	92	0.00
91	T	1,2-Dichlorobenzene	1.584	1.626	-2.7	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.287	0.260	9.4	96	0.00
93	T	1,2,4-Trichlorobenzene	0.883	0.932	-5.5	93	0.00
94	T	Hexachlorobutadiene	0.447	0.319	28.6#	73	0.00
95	T	Naphthalene	2.894	3.420	-18.2	96	0.00

Sample Results: **VV039328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039328.D
Acq On : 05 Nov 2025 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.918	0.974	-6.1	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VV039328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039328.D
Acq On : 05 Nov 2025 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	87	0.00
2	T	Dichlorodifluoromethane	50.000	39.500	21.0#	73	0.00
3	P	Chloromethane	50.000	43.389	13.2	84	0.00
4	C	Vinyl Chloride	50.000	42.115	15.8#	83	0.00
5	T	Bromomethane	50.000	39.969	20.1#	80	0.00
6	T	Chloroethane	50.000	52.065	-4.1	89	0.00
7	T	Trichlorofluoromethane	50.000	43.027	13.9	87	0.00
8	T	Diethyl Ether	50.000	51.432	-2.9	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.215	11.6	88	0.00
10	T	Methyl Iodide	50.000	52.167	-4.3	84	0.00
11	T	Tert butyl alcohol	250.000	223.369	10.7	89	0.00
12	CM	1,1-Dichloroethene	50.000	43.858	12.3#	90	0.00
13	T	Acrolein	250.000	413.186	-65.3#	151	0.00
14	T	Allyl chloride	50.000	46.620	6.8	93	0.00
15	T	Acrylonitrile	250.000	246.074	1.6	102	0.00
16	T	Acetone	250.000	282.341	-12.9	95	0.00
17	T	Carbon Disulfide	50.000	43.783	12.4	91	0.00
18	T	Methyl Acetate	50.000	46.486	7.0	90	0.00
19	T	Methyl tert-butyl Ether	50.000	53.378	-6.8	105	0.00
20	T	Methylene Chloride	50.000	57.850	-15.7	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	45.267	9.5	94	0.00
22	T	Diisopropyl ether	50.000	54.779	-9.6	103	0.00
23	T	Vinyl Acetate	250.000	279.531	-11.8	105	0.00
24	P	1,1-Dichloroethane	50.000	46.310	7.4	95	0.00
25	T	2-Butanone	250.000	275.151	-10.1	98	0.00
26	T	2,2-Dichloropropane	50.000	46.330	7.3	91	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.696	-3.4	97	0.00
28	T	Bromochloromethane	50.000	50.697	-1.4	99	0.00
29	T	Tetrahydrofuran	250.000	277.612	-11.0	100	0.00
30	C	Chloroform	50.000	48.966	2.1#	100	0.00
31	T	Cyclohexane	50.000	46.274	7.5	86	0.00
32	T	1,1,1-Trichloroethane	50.000	46.106	7.8	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.427	-6.9	100	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35	S	Dibromofluoromethane	50.000	53.920	-7.8	100	0.00
36	T	1,1-Dichloropropene	50.000	49.285	1.4	91	0.00
37	T	Ethyl Acetate	50.000	51.484	-3.0	101	0.00
38	T	Carbon Tetrachloride	50.000	48.638	2.7	93	0.00
39	T	Methylcyclohexane	50.000	48.456	3.1	82	0.00
40	TM	Benzene	50.000	52.135	-4.3	96	0.00
41	T	Methacrylonitrile	50.000	54.408	-8.8	100	0.00
42	TM	1,2-Dichloroethane	50.000	51.650	-3.3	102	0.00
43	T	Isopropyl Acetate	50.000	58.395	-16.8	102	0.00
44	TM	Trichloroethene	50.000	49.447	1.1	93	0.00
45	C	1,2-Dichloropropane	50.000	55.458	-10.9#	100	0.00
46	T	Dibromomethane	50.000	52.550	-5.1	103	0.00
47	T	Bromodichloromethane	50.000	52.185	-4.4	101	0.00
48	T	Methyl methacrylate	50.000	58.943	-17.9	100	0.00

Sample Results: **VV039328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039328.D
Acq On : 05 Nov 2025 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1103.786	-10.4	98	0.00
50	S	Toluene-d8	50.000	54.509	-9.0	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	292.211	-16.9	100	0.00
52	CM	Toluene	50.000	55.125	-10.3#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	57.739	-15.5	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.125	-14.2	101	0.00
55	T	1,1,2-Trichloroethane	50.000	54.042	-8.1	104	0.00
56	T	Ethyl methacrylate	50.000	64.977	-30.0#	102	0.00
57	T	1,3-Dichloropropane	50.000	56.468	-12.9	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	298.376	-19.4	106	0.00
59	T	2-Hexanone	250.000	298.284	-19.3	99	0.00
60	T	Dibromochloromethane	50.000	54.162	-8.3	103	0.00
61	T	1,2-Dibromoethane	50.000	55.351	-10.7	104	0.00
62	S	4-Bromofluorobenzene	50.000	57.691	-15.4	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	91	0.00
64	T	Tetrachloroethene	50.000	48.423	3.2	93	0.00
65	PM	Chlorobenzene	50.000	50.566	-1.1	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.329	-0.7	100	0.00
67	C	Ethyl Benzene	50.000	55.519	-11.0#	94	0.00
68	T	m/p-Xylenes	100.000	115.629	-15.6	95	0.00
69	T	o-Xylene	50.000	58.957	-17.9	96	0.00
70	T	Styrene	50.000	62.291	-24.6#	98	0.00
71	P	Bromoform	50.000	54.659	-9.3	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	54.526	-9.1	94	0.00
74	T	N-amyl acetate	50.000	56.025	-12.0	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.528	4.9	103	0.00
76	T	1,2,3-Trichloropropane	50.000	48.255	3.5	99	0.00
77	T	Bromobenzene	50.000	52.774	-5.5	99	0.00
78	T	n-propylbenzene	50.000	54.163	-8.3	93	0.00
79	T	2-Chlorotoluene	50.000	54.071	-8.1	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.394	-12.8	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.476	-11.0	100	0.00
82	T	4-Chlorotoluene	50.000	55.577	-11.2	96	0.00
83	T	tert-Butylbenzene	50.000	52.730	-5.5	92	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.688	-15.4	95	0.00
85	T	sec-Butylbenzene	50.000	51.451	-2.9	87	0.00
86	T	p-Isopropyltoluene	50.000	51.963	-3.9	89	0.00
87	T	1,3-Dichlorobenzene	50.000	51.759	-3.5	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.062	3.9	97	0.00
89	T	n-Butylbenzene	50.000	50.680	-1.4	86	0.00
90	T	Hexachloroethane	50.000	43.678	12.6	92	0.00
91	T	1,2-Dichlorobenzene	50.000	51.346	-2.7	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.356	9.3	96	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.743	-5.5	93	0.00
94	T	Hexachlorobutadiene	50.000	35.702	28.6#	73	0.00
95	T	Naphthalene	50.000	59.085	-18.2	96	0.00

Sample Results: **VV039328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039328.D
Acq On : 05 Nov 2025 11:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
LabSampleId :
VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.055	-6.1	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

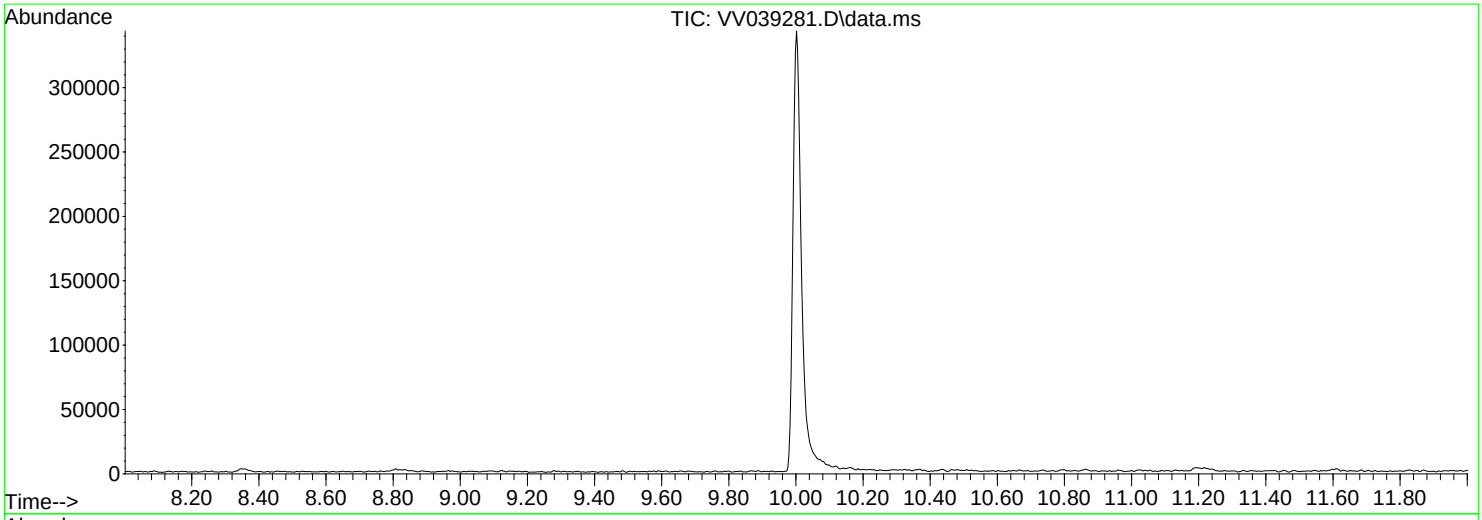
Sample Results: **VV039281.D**

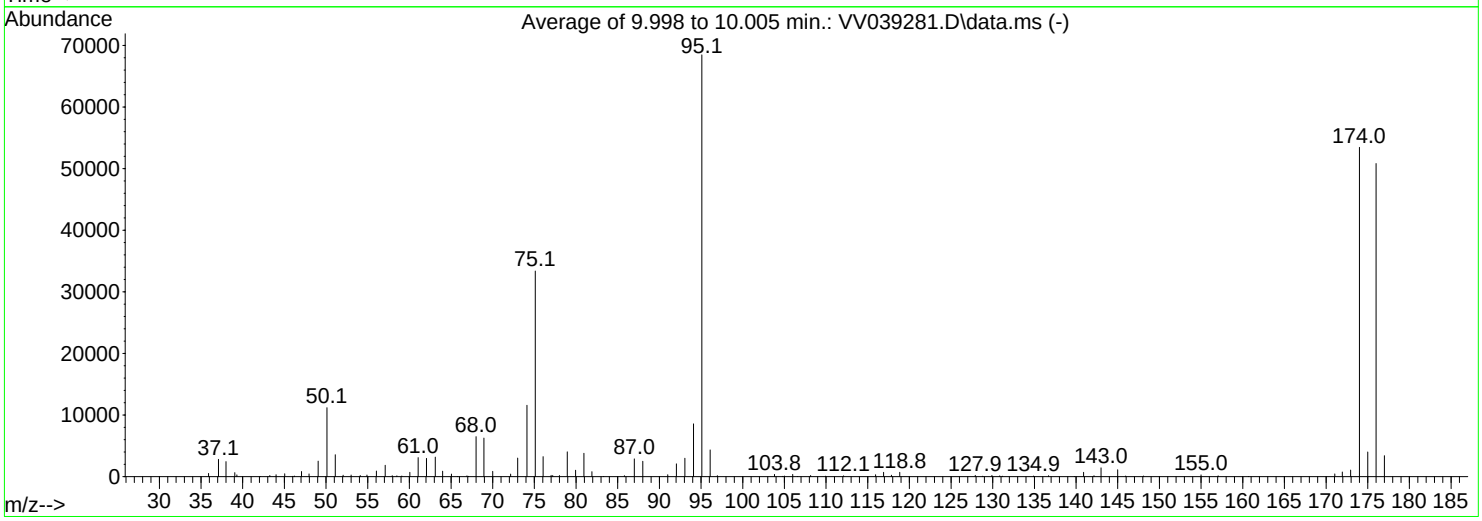
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039281.D
Acq On : 07 Oct 2025 08:25
Operator : SY/MD
Sample : BFB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Title : SW846 8260
Last Update : Wed Oct 08 05:01:26 2025





AutoFind: Scans 2786, 2787, 2788; Background Corrected with Scan 2775

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	11209	PASS
75	95	30	60	48.7	33376	PASS
95	95	100	100	100.0	68483	PASS
96	95	5	9	6.3	4345	PASS
173	174	0.00	2	2.0	1066	PASS
174	95	50	100	78.1	53459	PASS
175	174	5	9	7.5	4011	PASS
176	174	95	101	95.1	50835	PASS
177	176	5	9	6.7	3400	PASS

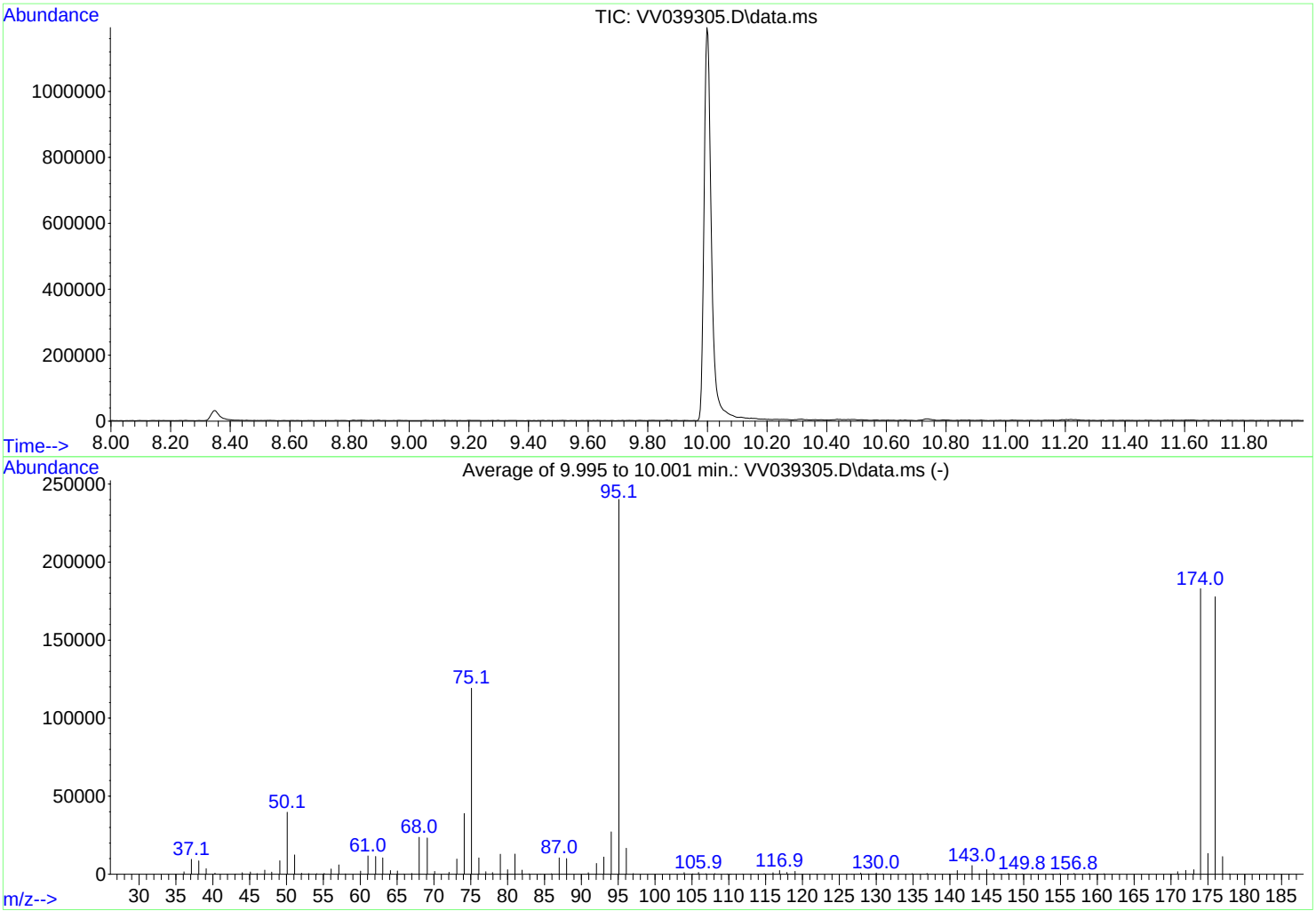
Sample Results: **VV039305.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039305.D
Acq On : 04 Nov 2025 10:24
Operator : SY/MD
Sample : BFB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Title : SW846 8260
Last Update : Wed Oct 08 05:01:26 2025



AutoFind: Scans 2785, 2786, 2787; Background Corrected with Scan 2773

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.5	39680	PASS
75	95	30	60	49.6	119211	PASS
95	95	100	100	100.0	240171	PASS
96	95	5	9	6.9	16644	PASS
173	174	0.00	2	1.6	2957	PASS
174	95	50	100	76.2	182912	PASS
175	174	5	9	7.3	13300	PASS
176	174	95	101	97.2	177707	PASS
177	176	5	9	6.4	11330	PASS

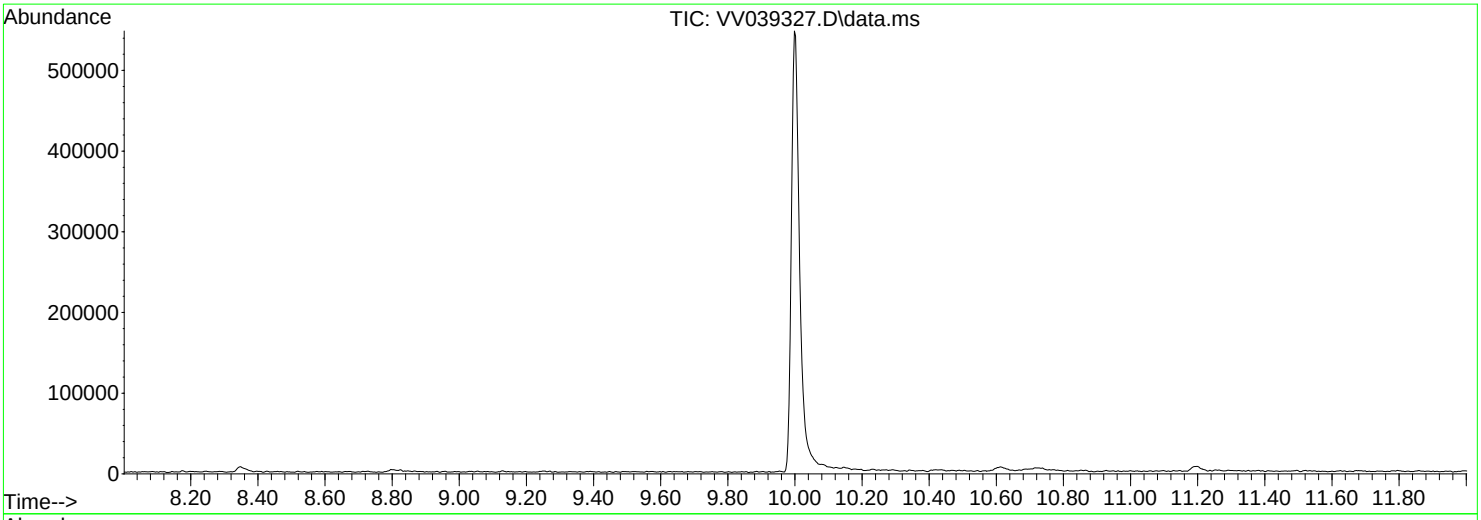
Sample Results: **VV039327.D**

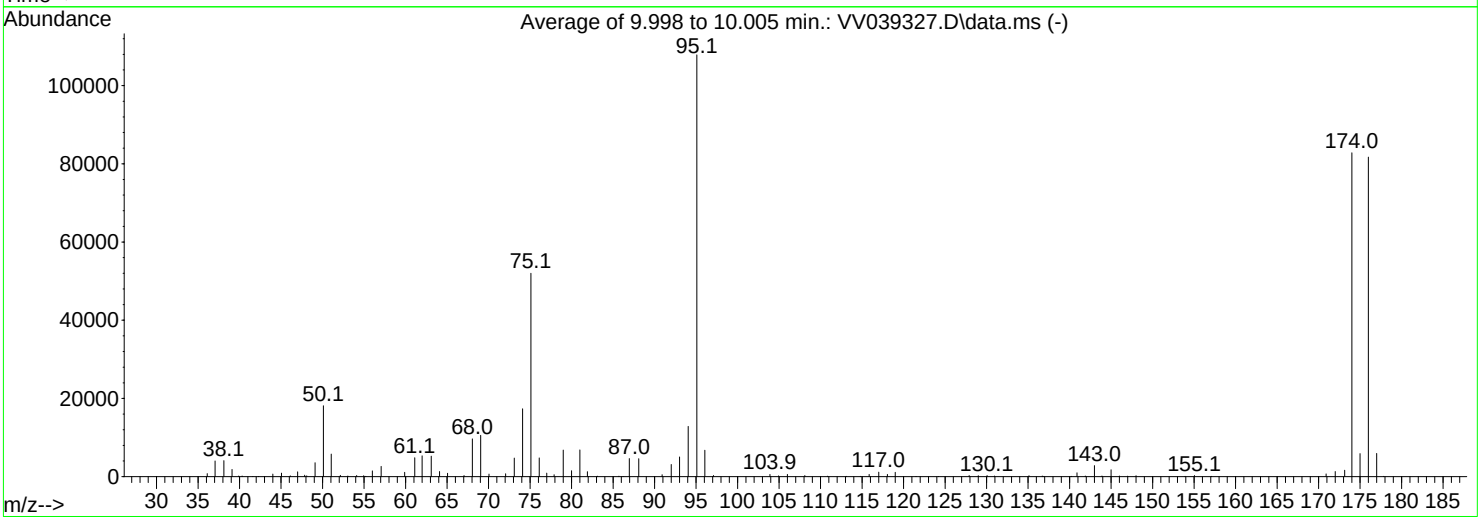
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039327.D
Acq On : 05 Nov 2025 10:37
Operator : SY/MD
Sample : BFB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Title : SW846 8260
Last Update : Wed Oct 08 05:01:26 2025





AutoFind: Scans 2786, 2787, 2788; Background Corrected with Scan 2774

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	18149	PASS
75	95	30	60	48.2	52019	PASS
95	95	100	100	100.0	107872	PASS
96	95	5	9	6.3	6745	PASS
173	174	0.00	2	2.0	1656	PASS
174	95	50	100	76.8	82811	PASS
175	174	5	9	7.1	5896	PASS
176	174	95	101	98.7	81701	PASS
177	176	5	9	7.3	5949	PASS

Raw Data: **VV039308.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1104WBL01			SDG No.:	Q3534
Lab Sample ID:	VV1104WBL01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

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	11/04/25 12:21	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 12:21	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 12:21	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 12:21	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 12:21	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 12:21	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 12:21	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 12:21	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 12:21	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 12:21	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 12:21	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 12:21	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 12:21	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 12:21	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 12:21	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 12:21	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 12:21	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 12:21	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 12:21	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 12:21	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 12:21	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425

Raw Data: **VV039308.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1104WBL01			SDG No.:	Q3534
Lab Sample ID:	VV1104WBL01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 12:21	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 12:21	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	58.1			70 (74) - 130 (125)	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.3			70 (75) - 130 (124)	101%	SPK: 50		
2037-26-5	Toluene-d8	48.6			70 (86) - 130 (113)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.8			70 (77) - 130 (121)	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	1060000							
540-36-3	1,4-Difluorobenzene	1970000							
3114-55-4	Chlorobenzene-d5	1790000							
3855-82-1	1,4-Dichlorobenzene-d4	829000							

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_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Time: Nov 05 00:32:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

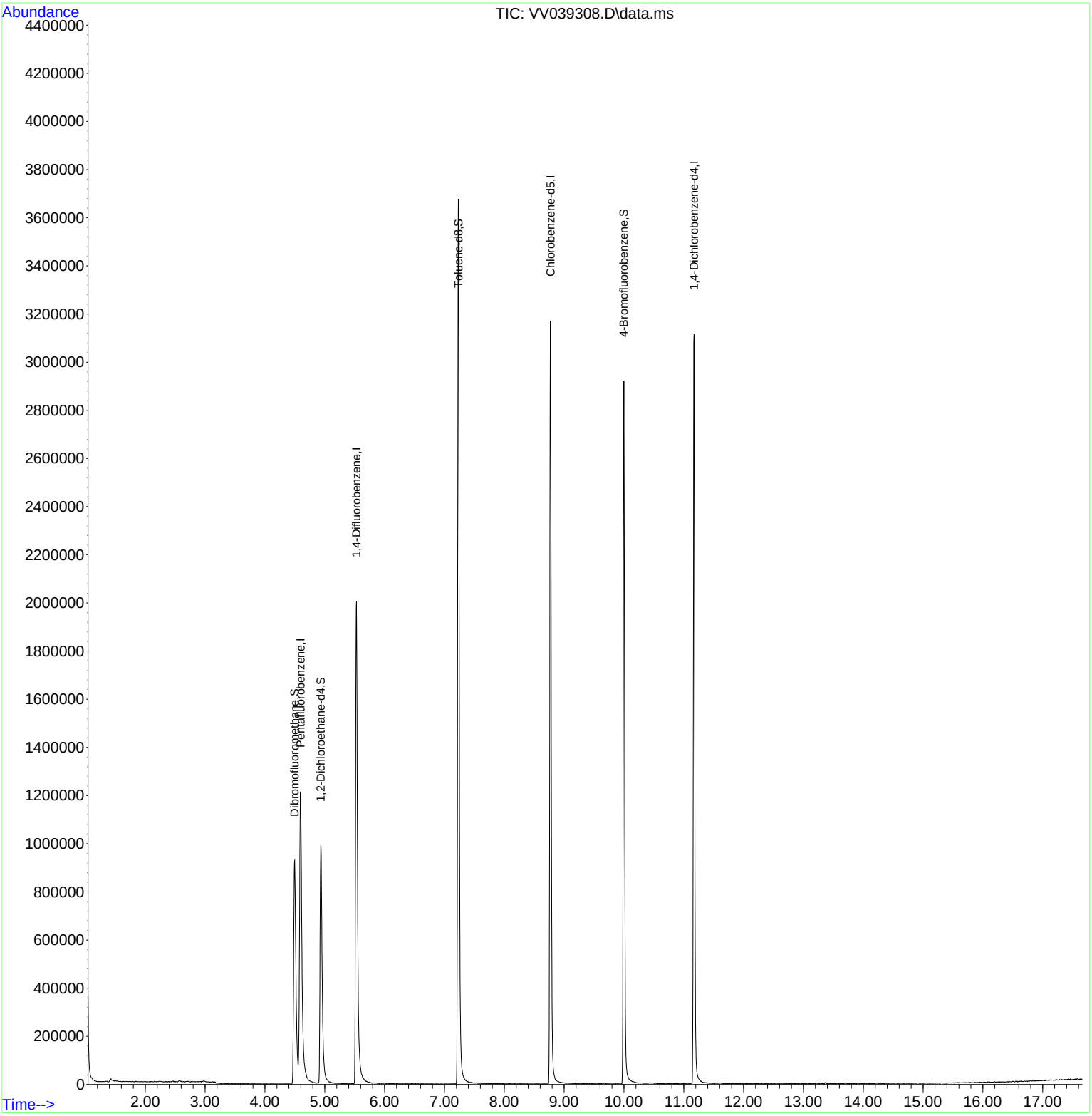
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.597	168	1064589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1972523	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1793346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	828938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	878179	58.053	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 116.100%			
35) Dibromofluoromethane	4.497	113	782028	50.317	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.640%			
50) Toluene-d8	7.233	98	2570057	48.608	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 97.220%			
62) 4-Bromofluorobenzene	9.998	95	975805	51.821	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 103.640%			
Target Compounds						Qvalue

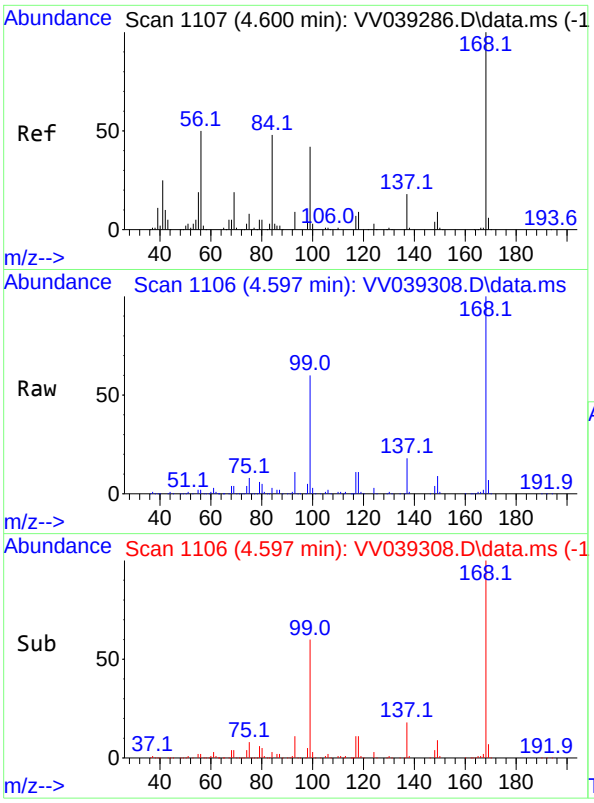
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Time: Nov 05 00:32:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



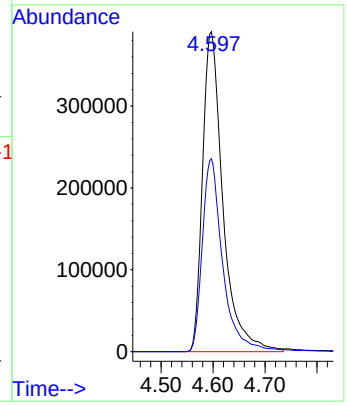


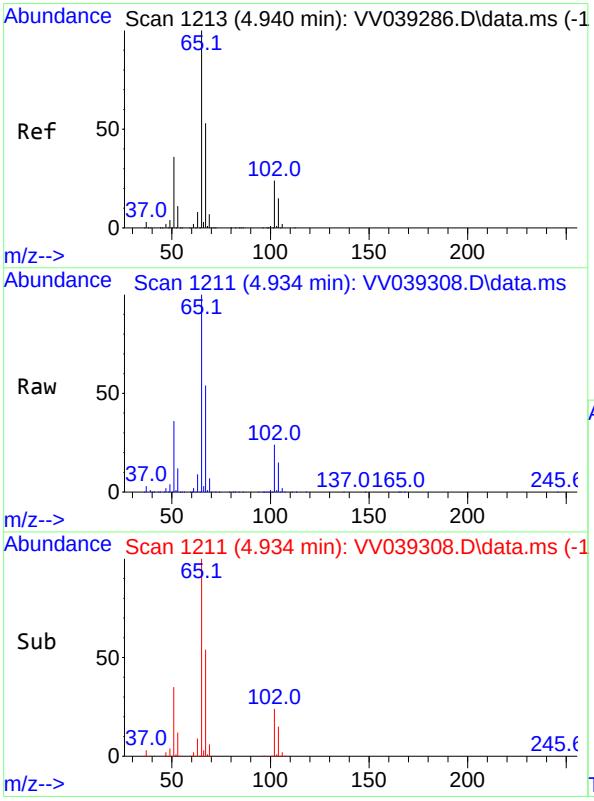
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.597 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Tgt Ion:168 Resp: 1064589

Ion	Ratio	Lower	Upper
168	100		
99	60.3	46.6	70.0

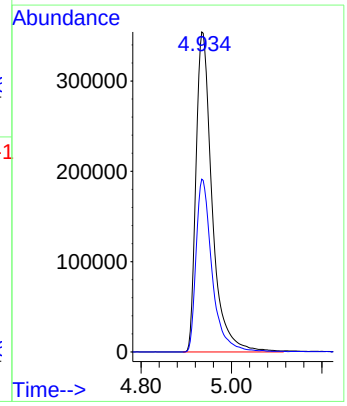


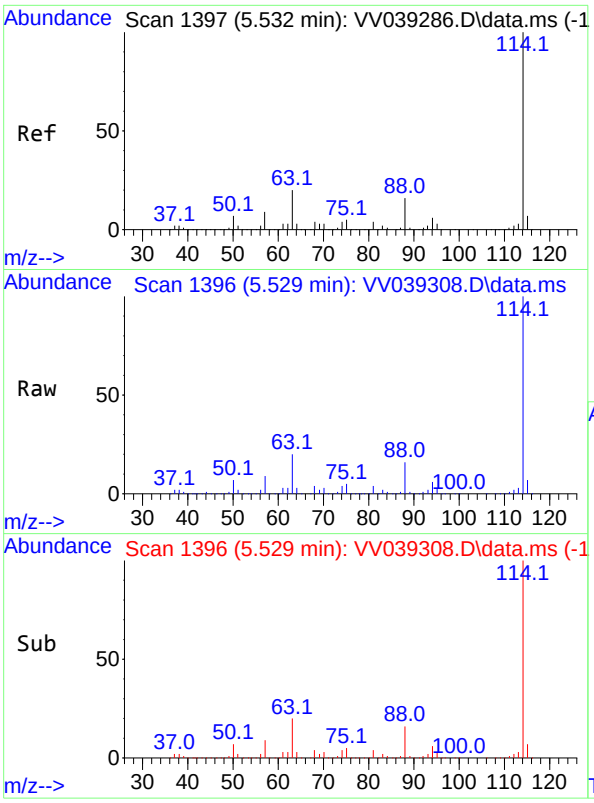


#33
1,2-Dichloroethane-d4
Concen: 58.053 ug/l
RT: 4.934 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion: 65 Resp: 878179

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.4



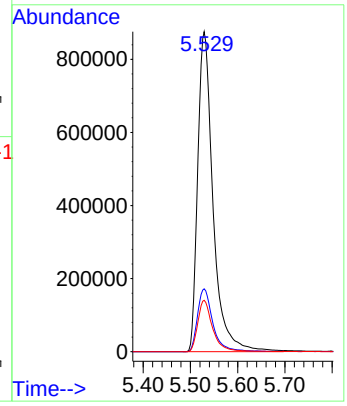


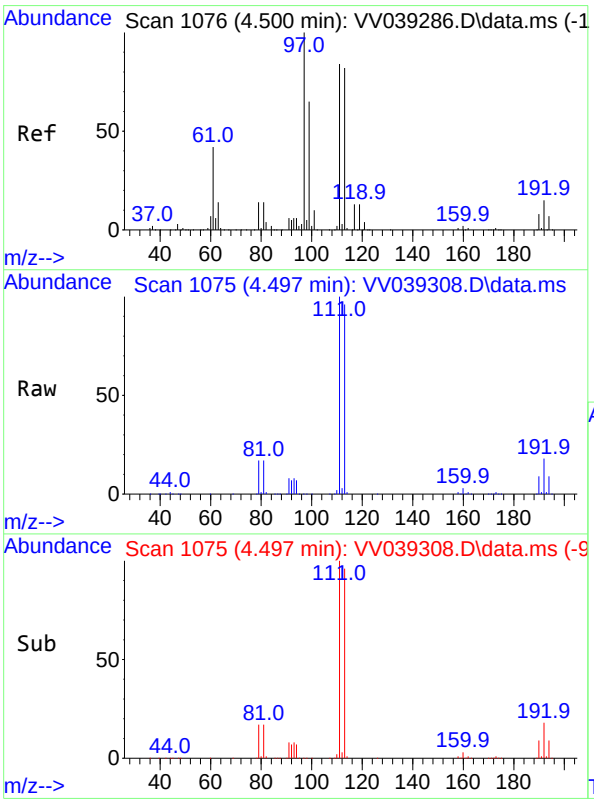
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Tgt Ion:114 Resp: 1972523

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	16.0	0.0	31.6

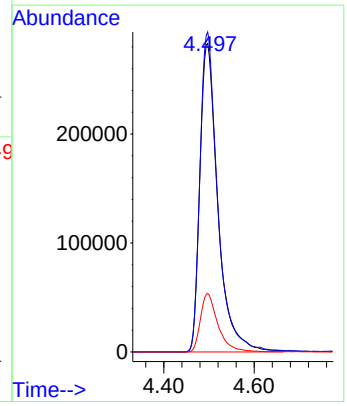


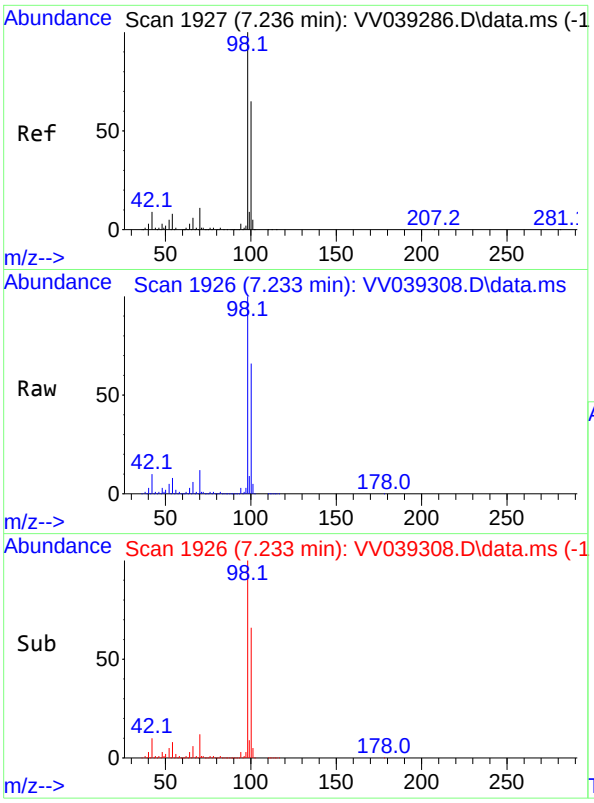


#35
Dibromofluoromethane
Concen: 50.317 ug/l
RT: 4.497 min Scan# 1075
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion:113 Resp: 782028

Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.0	123.0
192	18.5	14.3	21.5



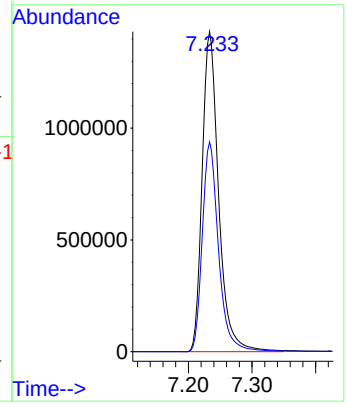


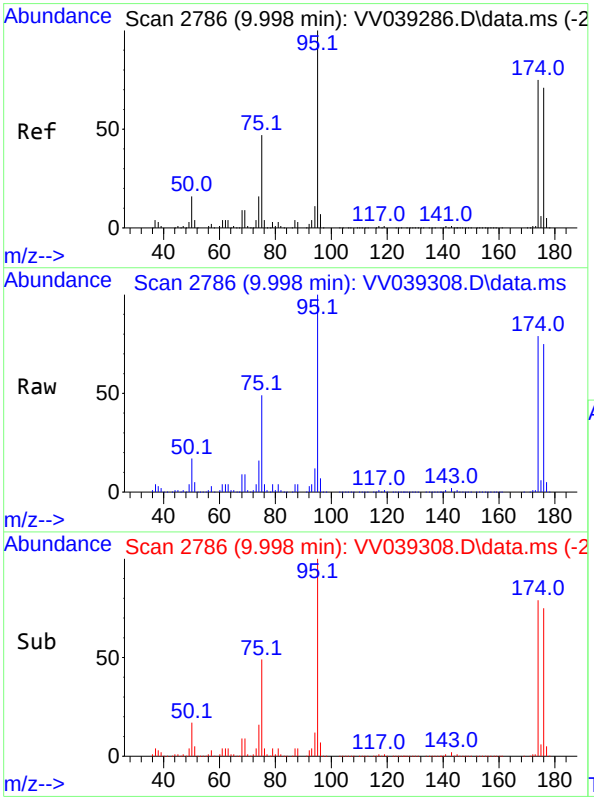
#50
Toluene-d8
Concen: 48.608 ug/l
RT: 7.233 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Tgt Ion: 98 Resp: 2570057

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.8	79.2

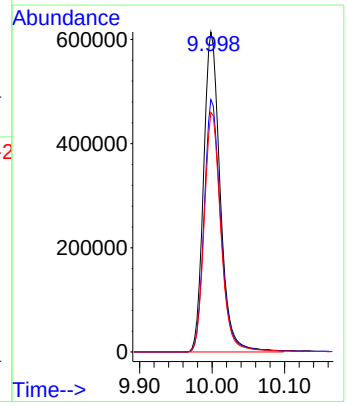


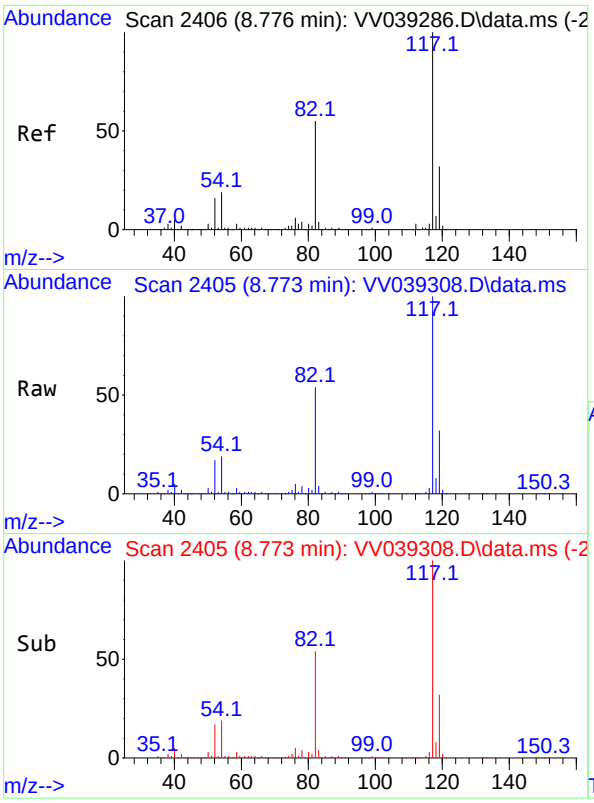


#62
4-Bromofluorobenzene
Concen: 51.821 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion: 95 Resp: 975805

Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	153.6
176	75.3	0.0	146.0



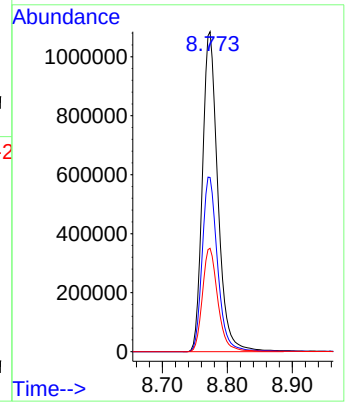


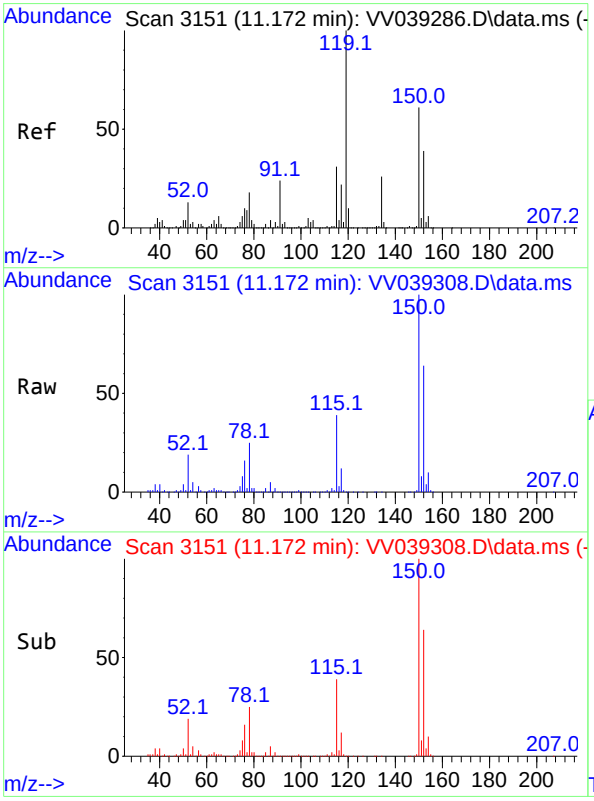
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Tgt Ion:117 Resp: 1793346

Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.8
119	32.3	25.8	38.6

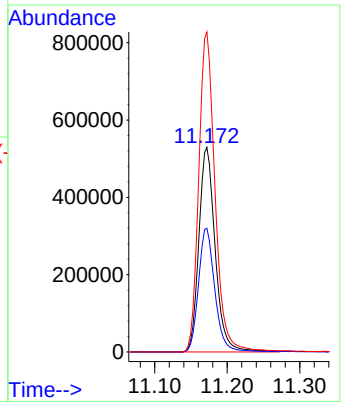




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion:152 Resp: 828938

Ion	Ratio	Lower	Upper
152	100		
115	60.4	42.3	126.8
150	156.6	0.0	348.0



Sample Results: **VV039308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039308.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.497	1053	1075	1093	rBV	927150	2433348	36.59%	7.089%
2	4.597	1094	1106	1170	rVB	1208791	3387634	50.94%	9.870%
3	4.934	1199	1211	1257	rBV	984480	2442010	36.72%	7.115%
4	5.529	1382	1396	1444	rBV	2001631	4548739	68.40%	13.252%
5	7.233	1914	1926	1971	rBV	3674102	6650660	100.00%	19.376%
6	8.773	2393	2405	2432	rBV	3170280	5283401	79.44%	15.393%
7	9.998	2774	2786	2814	rBV	2918411	4674300	70.28%	13.618%
8	11.172	3139	3151	3186	rBV	3110574	4903835	73.73%	14.287%

Sum of corrected areas: 34323927

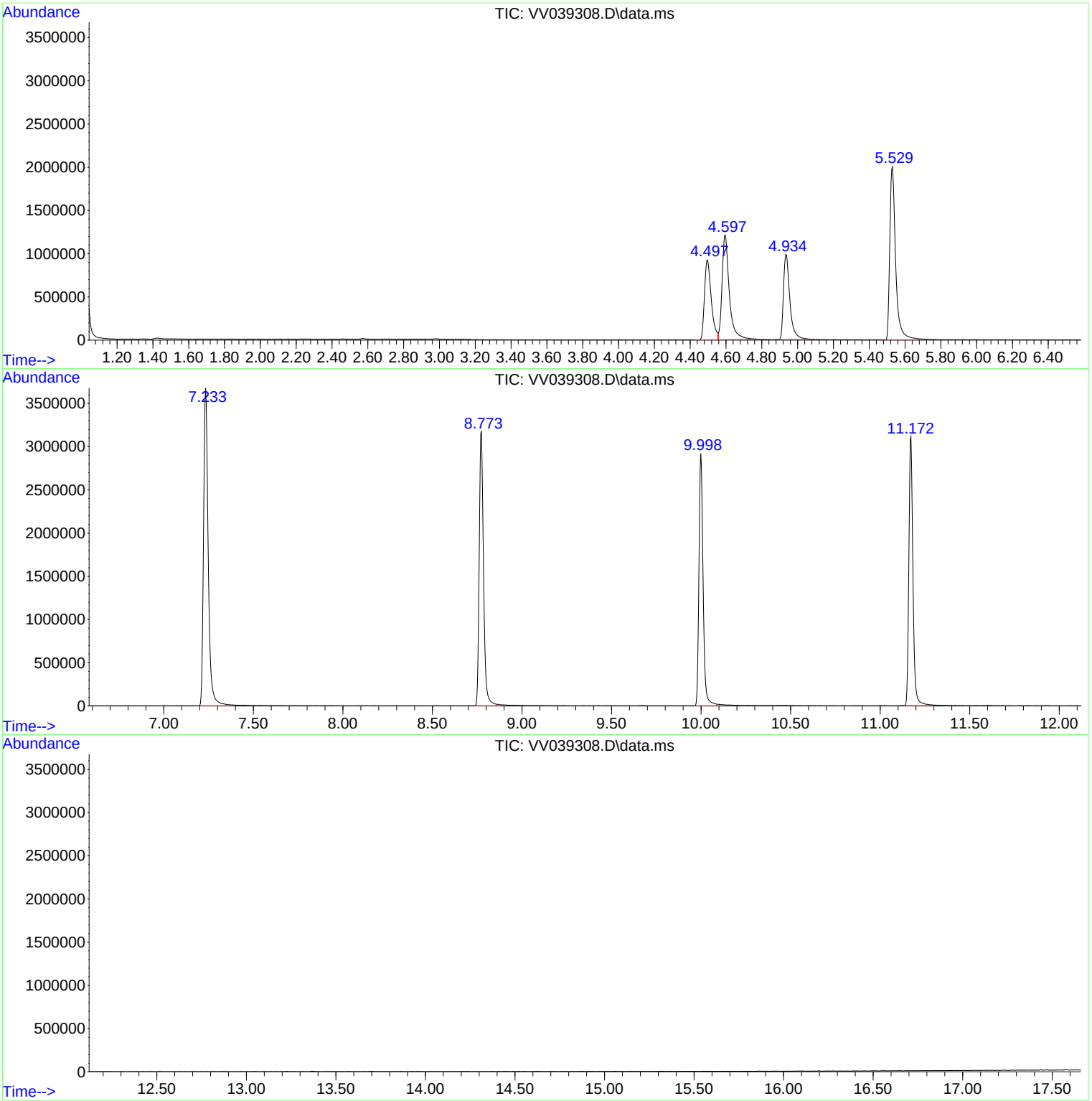
Sample Results: **VV039308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VV039308.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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: **VV039330.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1105WBL01			SDG No.:	Q3534
Lab Sample ID:	VV1105WBL01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

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	11/05/25 12:29	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 12:29	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 12:29	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 12:29	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 12:29	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 12:29	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 12:29	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 12:29	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 12:29	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 12:29	VV110525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/05/25 12:29	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 12:29	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 12:29	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 12:29	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 12:29	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 12:29	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 12:29	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 12:29	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 12:29	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 12:29	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 12:29	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 12:29	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 12:29	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 12:29	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 12:29	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 12:29	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 12:29	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 12:29	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 12:29	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 12:29	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 12:29	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 12:29	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 12:29	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 12:29	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 12:29	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 12:29	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 12:29	VV110525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 12:29	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 12:29	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 12:29	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 12:29	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 12:29	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 12:29	VV110525

Raw Data: **VV039330.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1105WBL01			SDG No.:	Q3534
Lab Sample ID:	VV1105WBL01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 12:29	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 12:29	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 12:29	VV110525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/05/25 12:29	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 12:29	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 12:29	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 12:29	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 12:29	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	60.7			70 (74) - 130 (125)	121%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			70 (75) - 130 (124)	102%	SPK: 50		
2037-26-5	Toluene-d8	48.0			70 (86) - 130 (113)	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.4			70 (77) - 130 (121)	87%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	857000							
540-36-3	1,4-Difluorobenzene	1630000							
3114-55-4	Chlorobenzene-d5	1470000							
3855-82-1	1,4-Dichlorobenzene-d4	624000							

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_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Quant Time: Nov 06 00:11:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

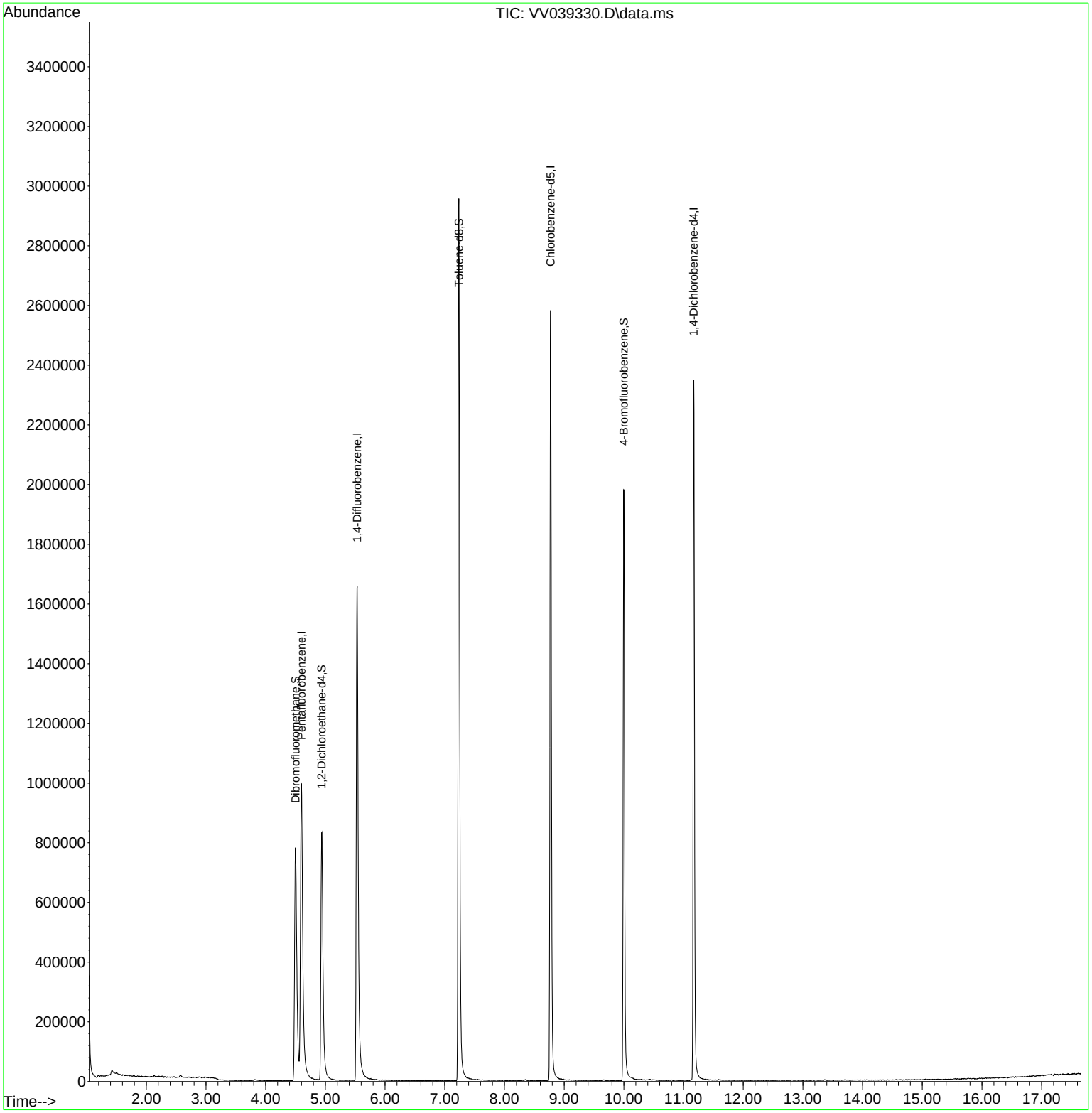
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	856812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1628447	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1466262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	623984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	739326	60.726	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 121.460%#			
35) Dibromofluoromethane	4.500	113	657324	51.229	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 102.460%			
50) Toluene-d8	7.236	98	2095273	48.001	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 96.000%			
62) 4-Bromofluorobenzene	9.998	95	674284	43.374	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 86.740%			
Target Compounds						Qvalue

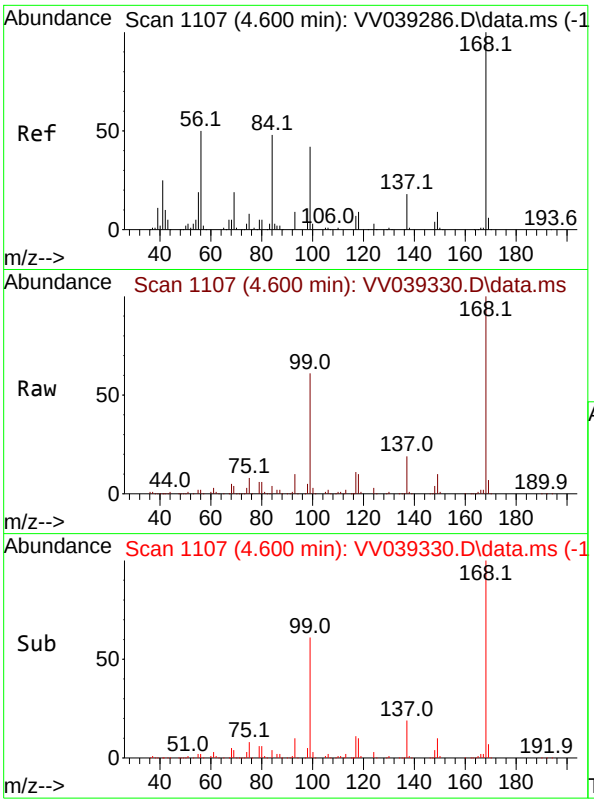
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Quant Time: Nov 06 00:11:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



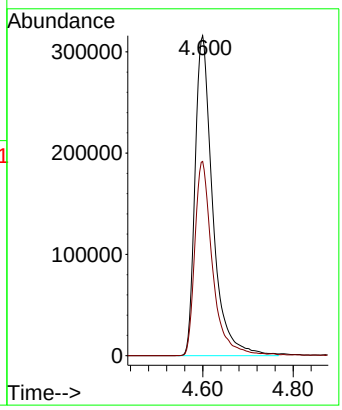


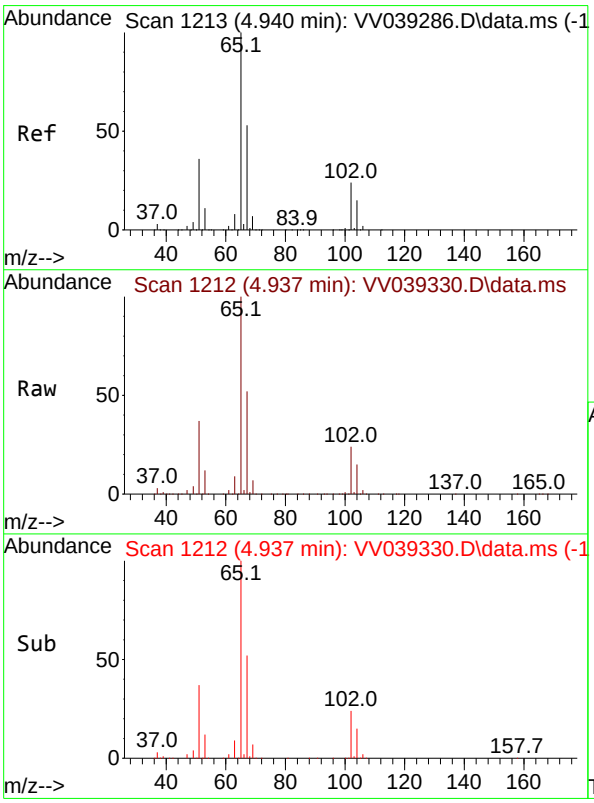
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Tgt Ion:168 Resp: 856812

Ion	Ratio	Lower	Upper
168	100		
99	60.6	46.6	70.0

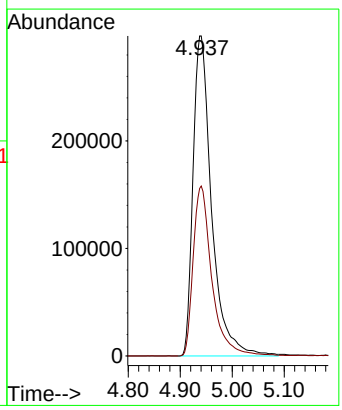


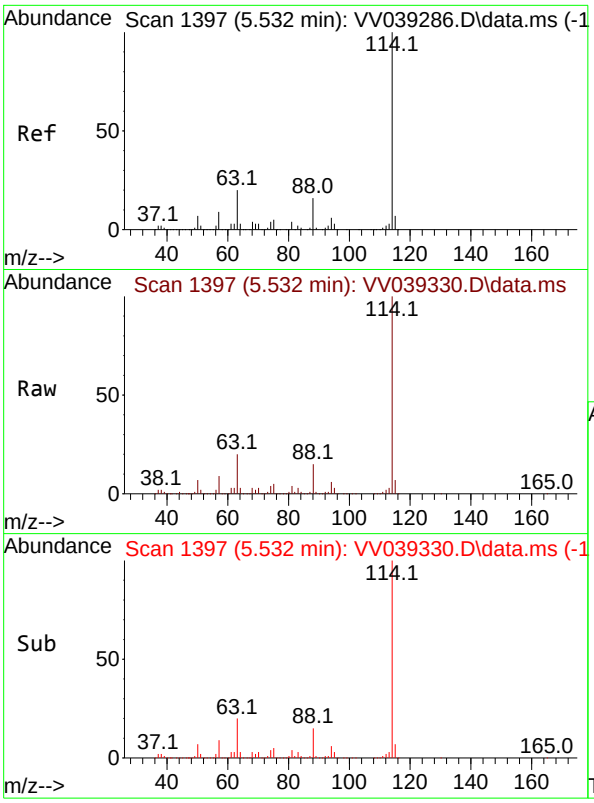


#33
1,2-Dichloroethane-d4
Concen: 60.726 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.003 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Tgt Ion: 65 Resp: 739326

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.4



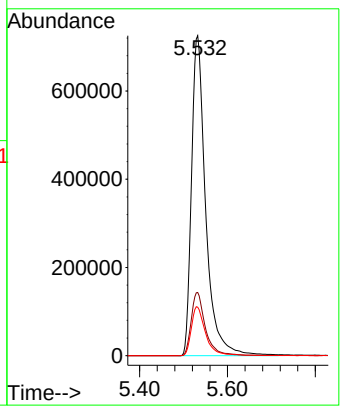


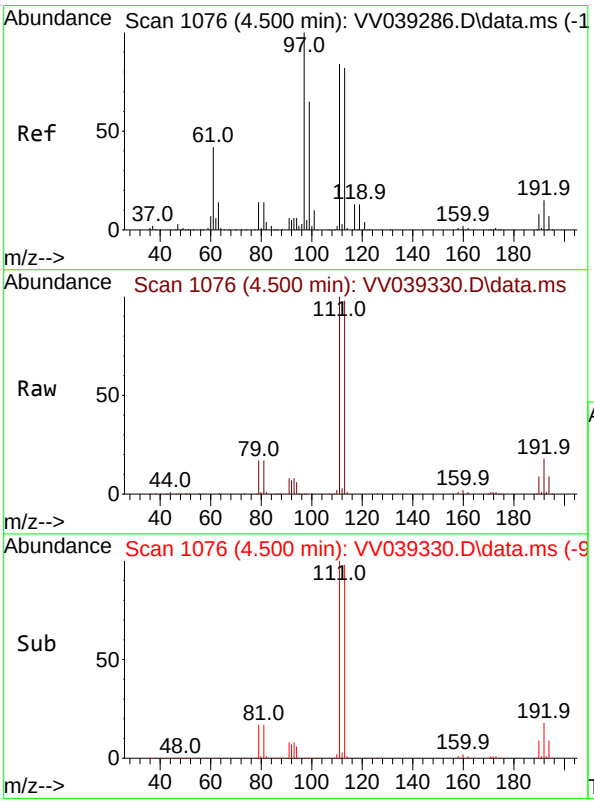
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Tgt Ion:114 Resp: 1628447

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.2	0.0	31.6

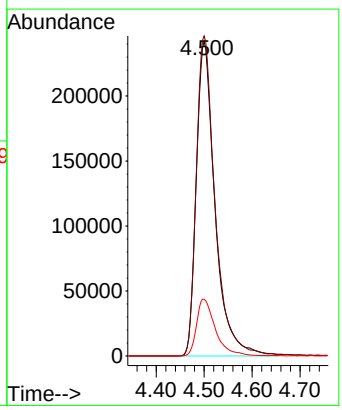


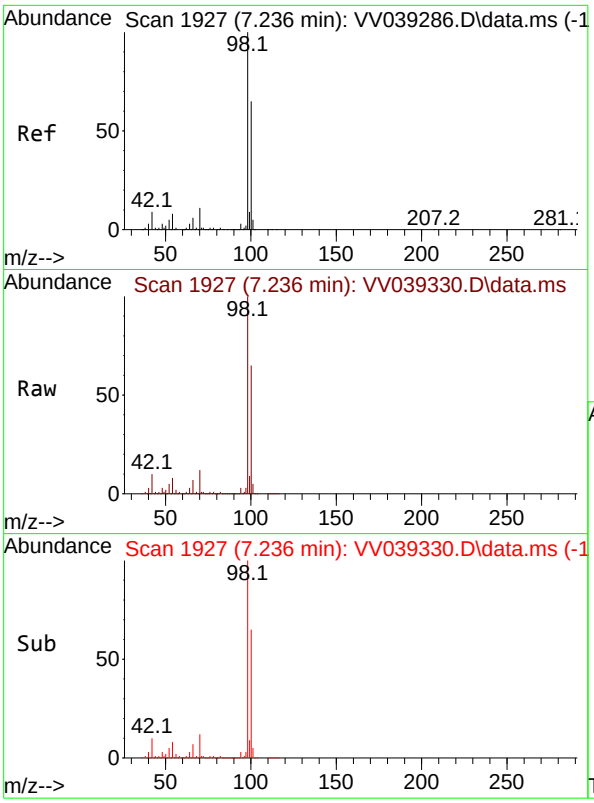


#35
Dibromofluoromethane
Concen: 51.229 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Tgt Ion:113 Resp: 657324

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.0	123.0
192	18.2	14.3	21.5



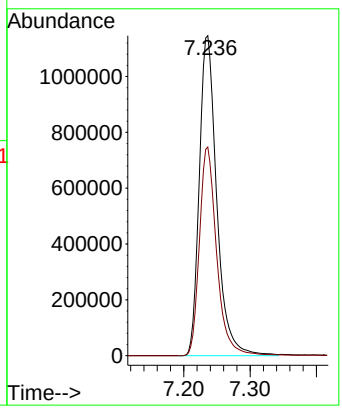


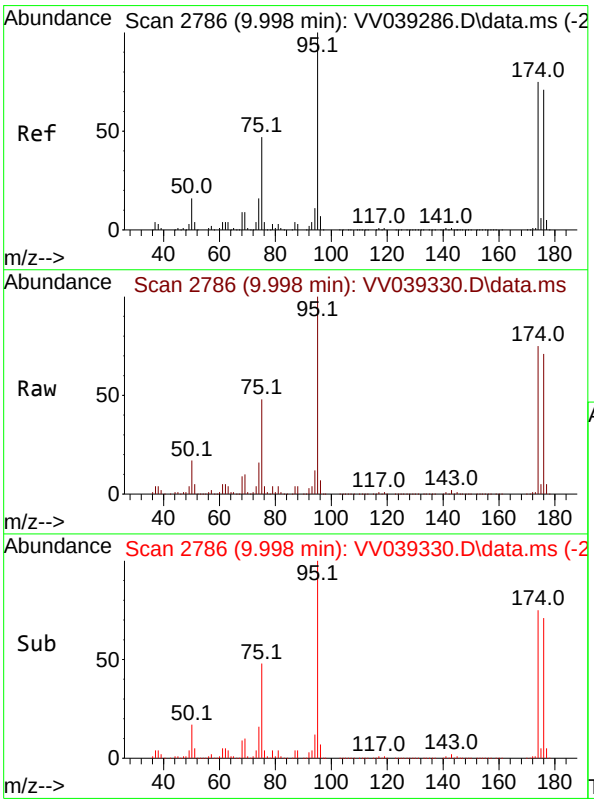
#50
Toluene-d8
Concen: 48.001 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Tgt Ion: 98 Resp: 2095273

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.8	79.2

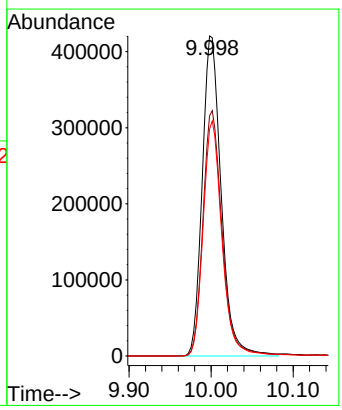


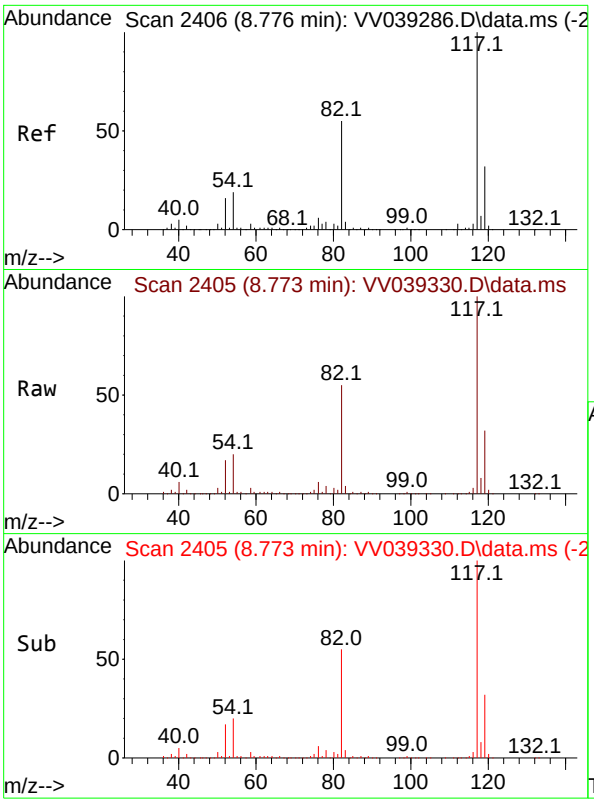


#62
4-Bromofluorobenzene
Concen: 43.374 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Tgt Ion: 95 Resp: 674284

Ion	Ratio	Lower	Upper
95	100		
174	77.9	0.0	153.6
176	73.3	0.0	146.0



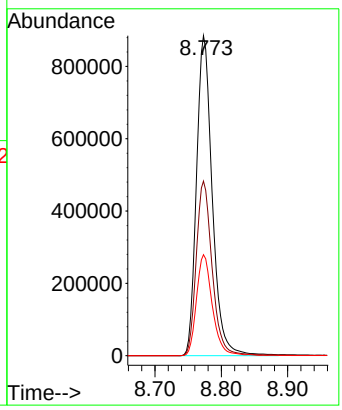


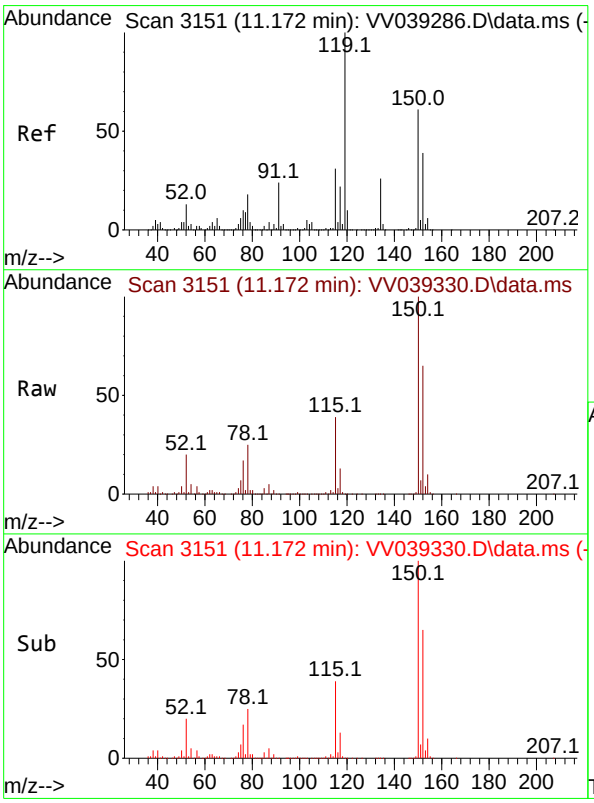
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Tgt Ion:117 Resp: 1466262

Ion	Ratio	Lower	Upper
117	100		
82	54.5	43.8	65.8
119	31.6	25.8	38.6

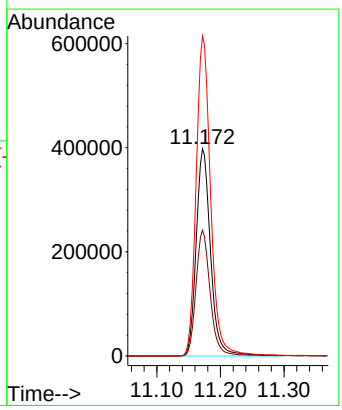




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Tgt Ion:152 Resp: 623984

Ion	Ratio	Lower	Upper
152	100		
115	59.9	42.3	126.8
150	155.6	0.0	348.0



Sample Results: **VV039330.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

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_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039330.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.500	1060	1076	1095	rBV	780951	2053982	37.63%	7.544%
2	4.600	1095	1107	1144	rVB	980620	2633125	48.24%	9.671%
3	4.940	1195	1213	1263	rBV	829008	2069366	37.91%	7.600%
4	5.532	1381	1397	1431	rBV	1655479	3744957	68.61%	13.755%
5	7.236	1914	1927	1970	rBV	2955394	5457945	100.00%	20.046%
6	8.773	2389	2405	2436	rBV	2581937	4338436	79.49%	15.934%
7	9.998	2775	2786	2817	rBV	1980286	3246754	59.49%	11.925%
8	11.172	3140	3151	3183	rBV	2344826	3682418	67.47%	13.525%

Sum of corrected areas: 27226983

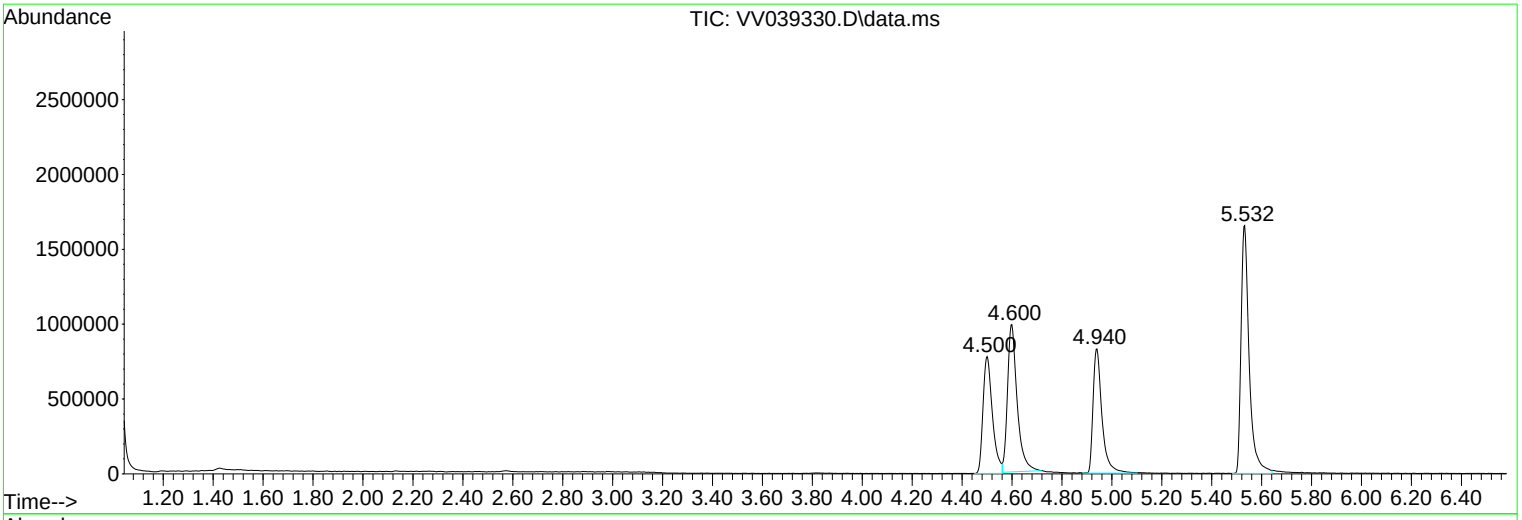
Sample Results: **VV039330.D**

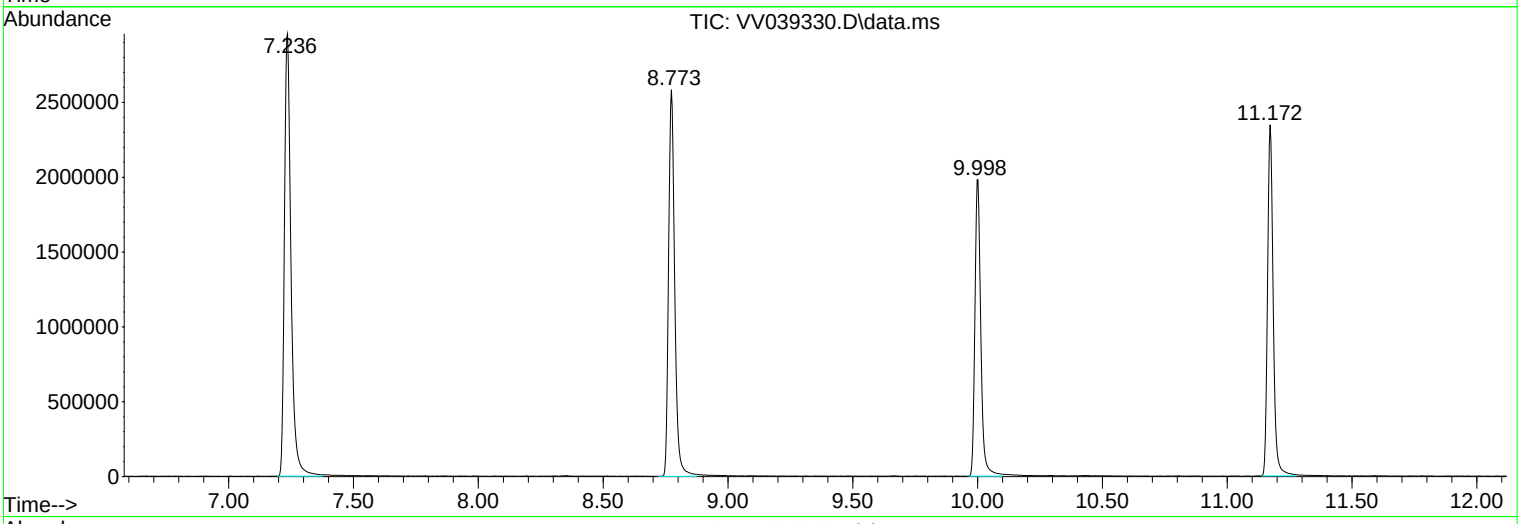
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

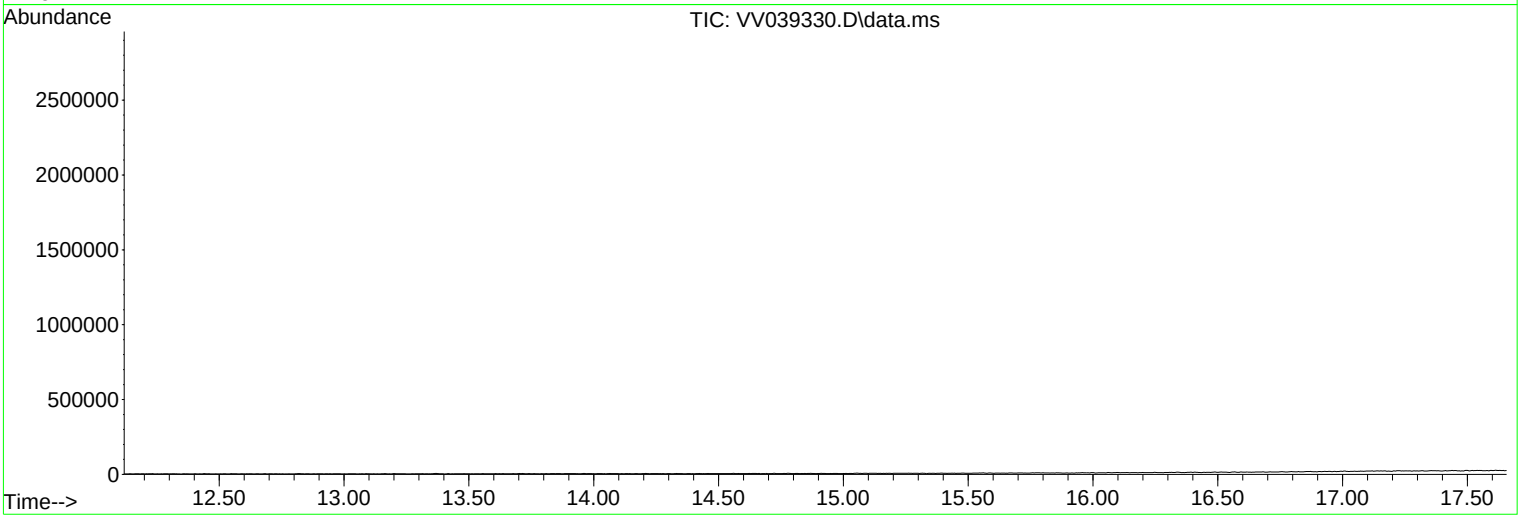
Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VV039330.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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: **VV039309.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1104WBS01			SDG No.:	Q3534
Lab Sample ID:	VV1104WBS01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	16.2		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
74-87-3	Chloromethane	17.6		1	0.32	1.00	ug/L	11/04/25 12:49	VV110425
75-01-4	Vinyl Chloride	16.8		1	0.26	1.00	ug/L	11/04/25 12:49	VV110425
74-83-9	Bromomethane	18.8		1	1.40	5.00	ug/L	11/04/25 12:49	VV110425
75-00-3	Chloroethane	19.0		1	0.47	1.00	ug/L	11/04/25 12:49	VV110425
75-69-4	Trichlorofluoromethane	17.4		1	0.33	1.00	ug/L	11/04/25 12:49	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
75-35-4	1,1-Dichloroethene	16.8		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
67-64-1	Acetone	78.3		1	1.50	5.00	ug/L	11/04/25 12:49	VV110425
75-15-0	Carbon Disulfide	17.3		1	0.21	1.00	ug/L	11/04/25 12:49	VV110425
1634-04-4	Methyl tert-butyl Ether	17.5		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
79-20-9	Methyl Acetate	14.2		1	0.27	1.00	ug/L	11/04/25 12:49	VV110425
75-09-2	Methylene Chloride	19.1		1	0.28	1.00	ug/L	11/04/25 12:49	VV110425
156-60-5	trans-1,2-Dichloroethene	17.4		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
75-34-3	1,1-Dichloroethane	17.4		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
110-82-7	Cyclohexane	18.3		1	1.50	5.00	ug/L	11/04/25 12:49	VV110425
78-93-3	2-Butanone	76.2		1	0.98	5.00	ug/L	11/04/25 12:49	VV110425
56-23-5	Carbon Tetrachloride	18.3		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
156-59-2	cis-1,2-Dichloroethene	18.1		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425
74-97-5	Bromochloromethane	17.4		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
67-66-3	Chloroform	17.5		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
71-55-6	1,1,1-Trichloroethane	17.8		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
108-87-2	Methylcyclohexane	17.7		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
107-06-2	1,2-Dichloroethane	18.0		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
79-01-6	Trichloroethene	18.6		1	0.090	1.00	ug/L	11/04/25 12:49	VV110425
78-87-5	1,2-Dichloropropane	19.5		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
75-27-4	Bromodichloromethane	18.3		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
108-10-1	4-Methyl-2-Pentanone	86.1		1	0.68	5.00	ug/L	11/04/25 12:49	VV110425
108-88-3	Toluene	19.7		1	0.14	1.00	ug/L	11/04/25 12:49	VV110425
10061-02-6	t-1,3-Dichloropropene	18.8		1	0.17	1.00	ug/L	11/04/25 12:49	VV110425
10061-01-5	cis-1,3-Dichloropropene	19.4		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
79-00-5	1,1,2-Trichloroethane	18.0		1	0.21	1.00	ug/L	11/04/25 12:49	VV110425
591-78-6	2-Hexanone	83.8		1	0.89	5.00	ug/L	11/04/25 12:49	VV110425
124-48-1	Dibromochloromethane	18.3		1	0.18	1.00	ug/L	11/04/25 12:49	VV110425
106-93-4	1,2-Dibromoethane	18.5		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
127-18-4	Tetrachloroethene	18.6		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
108-90-7	Chlorobenzene	18.3		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
100-41-4	Ethyl Benzene	18.7		1	0.13	1.00	ug/L	11/04/25 12:49	VV110425
179601-23-1	m/p-Xylenes	39.6		1	0.24	2.00	ug/L	11/04/25 12:49	VV110425
95-47-6	o-Xylene	18.7		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
100-42-5	Styrene	19.8		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
75-25-2	Bromoform	17.9		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425

Raw Data: **VV039309.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1104WBS01			SDG No.:	Q3534
Lab Sample ID:	VV1104WBS01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.2		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	16.2		1	0.26	1.00	ug/L	11/04/25 12:49	VV110425
541-73-1	1,3-Dichlorobenzene	18.7		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
106-46-7	1,4-Dichlorobenzene	17.9		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425
95-50-1	1,2-Dichlorobenzene	18.1		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	14.9		1	0.53	1.00	ug/L	11/04/25 12:49	VV110425
120-82-1	1,2,4-Trichlorobenzene	17.9		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
87-61-6	1,2,3-Trichlorobenzene	17.3		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.1			70 (74) - 130 (125)	98%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.1			70 (75) - 130 (124)	100%	SPK: 50		
2037-26-5	Toluene-d8	52.5			70 (86) - 130 (113)	105%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.7			70 (77) - 130 (121)	107%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	733000							
540-36-3	1,4-Difluorobenzene	1150000							
3114-55-4	Chlorobenzene-d5	1130000							
3855-82-1	1,4-Dichlorobenzene-d4	636000							

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: **VV039309.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039309.D
Acq On : 04 Nov 2025 12:49
Operator : SY/MD
Sample : VV1104WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.597	168	733220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1149929	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1129519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	636116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	511281	49.074	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 98.140%			
35) Dibromofluoromethane	4.497	113	453890	50.095	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.180%			
50) Toluene-d8	7.233	98	1616726	52.451	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 104.900%			
62) 4-Bromofluorobenzene	9.998	95	589312	53.683	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 107.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	150088	16.195	ug/l	99
3) Chloromethane	1.230	50	170270	17.647	ug/l	97
4) Vinyl Chloride	1.298	62	184720	16.781	ug/l	100
5) Bromomethane	1.500	94	134477	18.829	ug/l	99
6) Chloroethane	1.561	64	123716	18.962	ug/l	97
7) Trichlorofluoromethane	1.728	101	292963	17.422	ug/l	99
8) Diethyl Ether	1.918	74	100661	16.565	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.082	101	182519	18.127	ug/l	99
10) Methyl Iodide	2.198	142	171240	19.739	ug/l	99
11) Tert butyl alcohol	2.561	59	96173	47.632	ug/l	99
12) 1,1-Dichloroethene	2.082	96	166090	16.800	ug/l	98
13) Acrolein	2.011	56	41461	29.385	ug/l	100
14) Allyl chloride	2.359	41	260264	16.606	ug/l	99
15) Acrylonitrile	2.674	53	459816	76.793	ug/l	99
16) Acetone	2.118	43	413309	78.304	ug/l	99
17) Carbon Disulfide	2.253	76	483660	17.320	ug/l	100
18) Methyl Acetate	2.378	43	191593	14.191	ug/l	98
19) Methyl tert-butyl Ether	2.709	73	519738	17.466	ug/l	100
20) Methylene Chloride	2.455	84	189332	19.107	ug/l	99
21) trans-1,2-Dichloroethene	2.703	96	180695	17.359	ug/l	98
22) Diisopropyl ether	3.211	45	518348	18.421	ug/l #	70
23) Vinyl Acetate	3.188	43	2239012	90.638	ug/l	100
24) 1,1-Dichloroethane	3.118	63	328316	17.416	ug/l	99
25) 2-Butanone	3.863	43	485792	76.243	ug/l	99
26) 2,2-Dichloropropane	3.809	77	271540	17.884	ug/l	100
27) cis-1,2-Dichloroethene	3.818	96	188276	18.064	ug/l	99
28) Bromochloromethane	4.146	49	139950	17.413	ug/l	99
29) Tetrahydrofuran	4.233	42	306767	75.300	ug/l	99
30) Chloroform	4.278	83	336927	17.526	ug/l	97
31) Cyclohexane	4.584	56	251508	18.317	ug/l	95
32) 1,1,1-Trichloroethane	4.510	97	299853	17.840	ug/l	99
36) 1,1-Dichloropropene	4.744	75	202258	17.773	ug/l	98
37) Ethyl Acetate	3.976	43	204626	15.359	ug/l	98
38) Carbon Tetrachloride	4.732	117	254185	18.333	ug/l	96
39) Methylcyclohexane	6.043	83	229820	17.670	ug/l	99
40) Benzene	5.008	78	686424	18.797	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039309.D
Acq On : 04 Nov 2025 12:49
Operator : SY/MD
Sample : VV1104WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.159	41	83940	15.924	ug/l		93
42) 1,2-Dichloroethane	5.040	62	230824	18.010	ug/l		99
43) Isopropyl Acetate	5.191	43	305041	17.489	ug/l		100
44) Trichloroethene	5.831	130	170962	18.617	ug/l		95
45) 1,2-Dichloropropane	6.088	63	173680	19.546	ug/l		98
46) Dibromomethane	6.227	93	132973	17.903	ug/l		98
47) Bromodichloromethane	6.426	83	267149	18.255	ug/l		99
48) Methyl methacrylate	6.297	41	128547	15.908	ug/l		98
49) 1,4-Dioxane	6.291	88	23507m	174.875	ug/l		
51) 4-Methyl-2-Pentanone	7.146	43	1042286	86.132	ug/l		98
52) Toluene	7.307	92	435082	19.733	ug/l		100
53) t-1,3-Dichloropropene	7.574	75	240904	18.836	ug/l		98
54) cis-1,3-Dichloropropene	6.947	75	275230	19.356	ug/l		100
55) 1,1,2-Trichloroethane	7.760	97	178823	17.961	ug/l		98
56) Ethyl methacrylate	7.715	69	208276	18.465	ug/l		99
57) 1,3-Dichloropropane	7.934	76	282493	18.803	ug/l		100
58) 2-Chloroethyl Vinyl ether	6.809	63	616357	95.710	ug/l		99
59) 2-Hexanone	8.063	43	744076	83.755	ug/l		99
60) Dibromochloromethane	8.166	129	213236	18.318	ug/l		98
61) 1,2-Dibromoethane	8.272	107	191275	18.451	ug/l		99
64) Tetrachloroethene	7.895	164	153069	18.578	ug/l		98
65) Chlorobenzene	8.802	112	488115	18.255	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.895	131	179594	17.931	ug/l		98
67) Ethyl Benzene	8.934	91	735503	18.673	ug/l		99
68) m/p-Xylenes	9.059	106	618237	39.575	ug/l		99
69) o-Xylene	9.468	106	257329	18.653	ug/l		95
70) Styrene	9.487	104	486737	19.829	ug/l		99
71) Bromoform	9.654	173	144690	17.863	ug/l	#	97
73) Isopropylbenzene	9.854	105	741892	19.206	ug/l		100
74) N-amyl acetate	9.725	43	260778	16.384	ug/l		98
75) 1,1,2,2-Tetrachloroethane	10.165	83	287138	16.187	ug/l		99
76) 1,2,3-Trichloropropane	10.198	75	207338	16.331	ug/l		94
77) Bromobenzene	10.140	156	202408	19.061	ug/l		99
78) n-propylbenzene	10.275	91	901629	19.237	ug/l		100
79) 2-Chlorotoluene	10.346	91	555299	19.189	ug/l		99
80) 1,3,5-Trimethylbenzene	10.464	105	637404	19.675	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.928	75	84401	16.789	ug/l		96
82) 4-Chlorotoluene	10.461	91	660634	19.862	ug/l		99
83) tert-Butylbenzene	10.789	119	578625	17.987	ug/l		98
84) 1,2,4-Trimethylbenzene	10.837	105	620103	19.443	ug/l		99
85) sec-Butylbenzene	11.011	105	746311	18.349	ug/l		100
86) p-Isopropyltoluene	11.165	119	646871	18.498	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	395972	18.695	ug/l		99
88) 1,4-Dichlorobenzene	11.194	146	423406	17.862	ug/l		99
89) n-Butylbenzene	11.580	91	567146	17.415	ug/l		98
90) Hexachloroethane	11.818	117	145066	16.776	ug/l		99
91) 1,2-Dichlorobenzene	11.567	146	365350	18.133	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	54508	14.944	ug/l		97
93) 1,2,4-Trichlorobenzene	13.185	180	200695	17.860	ug/l		99
94) Hexachlorobutadiene	13.368	225	81939	14.400	ug/l		98
95) Naphthalene	13.426	128	602988	16.378	ug/l		100
96) 1,2,3-Trichlorobenzene	13.664	180	202409	17.331	ug/l		97

Sample Results: **VV039309.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039309.D
Acq On : 04 Nov 2025 12:49
Operator : SY/MD
Sample : VV1104WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

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

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

Sample Results: **VV039309.D**

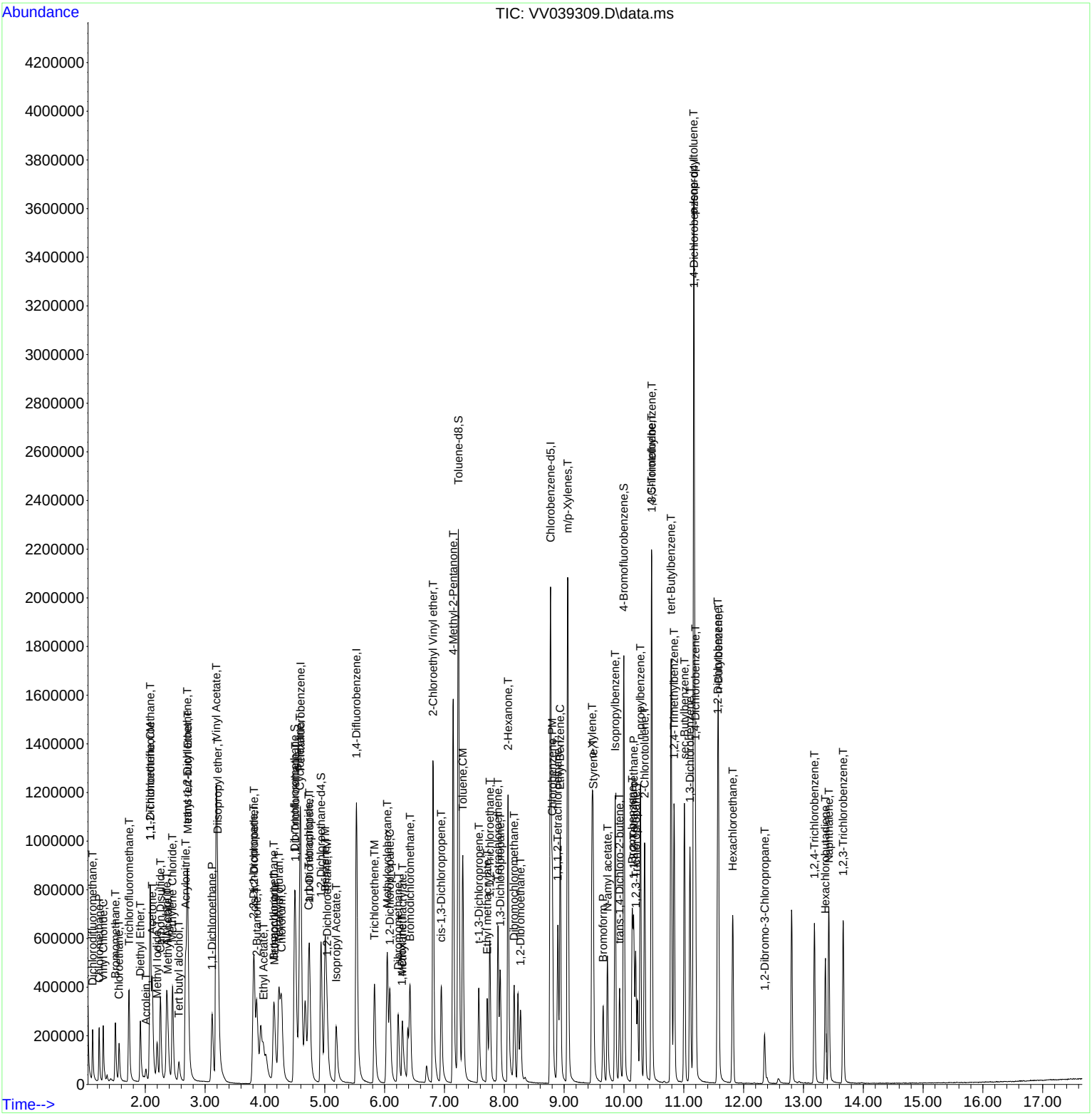
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039309.D
Acq On : 04 Nov 2025 12:49
Operator : SY/MD
Sample : VV1104WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



Raw Data: **VV039331.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1105WBS01			SDG No.:	Q3534
Lab Sample ID:	VV1105WBS01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	17.0		1	0.22	1.00	ug/L	11/05/25 12:55	VV110525
74-87-3	Chloromethane	17.7		1	0.32	1.00	ug/L	11/05/25 12:55	VV110525
75-01-4	Vinyl Chloride	18.1		1	0.26	1.00	ug/L	11/05/25 12:55	VV110525
74-83-9	Bromomethane	17.4		1	1.40	5.00	ug/L	11/05/25 12:55	VV110525
75-00-3	Chloroethane	20.9		1	0.47	1.00	ug/L	11/05/25 12:55	VV110525
75-69-4	Trichlorofluoromethane	18.8		1	0.33	1.00	ug/L	11/05/25 12:55	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		1	0.25	1.00	ug/L	11/05/25 12:55	VV110525
75-35-4	1,1-Dichloroethene	18.3		1	0.23	1.00	ug/L	11/05/25 12:55	VV110525
67-64-1	Acetone	100		1	1.50	5.00	ug/L	11/05/25 12:55	VV110525
75-15-0	Carbon Disulfide	18.3		1	0.21	1.00	ug/L	11/05/25 12:55	VV110525
1634-04-4	Methyl tert-butyl Ether	18.8		1	0.16	1.00	ug/L	11/05/25 12:55	VV110525
79-20-9	Methyl Acetate	16.4		1	0.27	1.00	ug/L	11/05/25 12:55	VV110525
75-09-2	Methylene Chloride	21.0		1	0.28	1.00	ug/L	11/05/25 12:55	VV110525
156-60-5	trans-1,2-Dichloroethene	18.6		1	0.23	1.00	ug/L	11/05/25 12:55	VV110525
75-34-3	1,1-Dichloroethane	18.7		1	0.23	1.00	ug/L	11/05/25 12:55	VV110525
110-82-7	Cyclohexane	19.9		1	1.50	5.00	ug/L	11/05/25 12:55	VV110525
78-93-3	2-Butanone	94.7		1	0.98	5.00	ug/L	11/05/25 12:55	VV110525
56-23-5	Carbon Tetrachloride	19.6		1	0.25	1.00	ug/L	11/05/25 12:55	VV110525
156-59-2	cis-1,2-Dichloroethene	19.5		1	0.19	1.00	ug/L	11/05/25 12:55	VV110525
74-97-5	Bromochloromethane	19.4		1	0.22	1.00	ug/L	11/05/25 12:55	VV110525
67-66-3	Chloroform	19.2		1	0.25	1.00	ug/L	11/05/25 12:55	VV110525
71-55-6	1,1,1-Trichloroethane	19.3		1	0.20	1.00	ug/L	11/05/25 12:55	VV110525
108-87-2	Methylcyclohexane	19.7		1	0.16	1.00	ug/L	11/05/25 12:55	VV110525
71-43-2	Benzene	20.4		1	0.15	1.00	ug/L	11/05/25 12:55	VV110525
107-06-2	1,2-Dichloroethane	19.1		1	0.22	1.00	ug/L	11/05/25 12:55	VV110525
79-01-6	Trichloroethene	19.9		1	0.090	1.00	ug/L	11/05/25 12:55	VV110525
78-87-5	1,2-Dichloropropane	20.7		1	0.20	1.00	ug/L	11/05/25 12:55	VV110525
75-27-4	Bromodichloromethane	19.8		1	0.22	1.00	ug/L	11/05/25 12:55	VV110525
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	5.00	ug/L	11/05/25 12:55	VV110525
108-88-3	Toluene	21.5		1	0.14	1.00	ug/L	11/05/25 12:55	VV110525
10061-02-6	t-1,3-Dichloropropene	20.2		1	0.17	1.00	ug/L	11/05/25 12:55	VV110525
10061-01-5	cis-1,3-Dichloropropene	20.7		1	0.16	1.00	ug/L	11/05/25 12:55	VV110525
79-00-5	1,1,2-Trichloroethane	19.7		1	0.21	1.00	ug/L	11/05/25 12:55	VV110525
591-78-6	2-Hexanone	100		1	0.89	5.00	ug/L	11/05/25 12:55	VV110525
124-48-1	Dibromochloromethane	20.0		1	0.18	1.00	ug/L	11/05/25 12:55	VV110525
106-93-4	1,2-Dibromoethane	20.1		1	0.15	1.00	ug/L	11/05/25 12:55	VV110525
127-18-4	Tetrachloroethene	20.1		1	0.23	1.00	ug/L	11/05/25 12:55	VV110525
108-90-7	Chlorobenzene	20.0		1	0.12	1.00	ug/L	11/05/25 12:55	VV110525
100-41-4	Ethyl Benzene	20.4		1	0.13	1.00	ug/L	11/05/25 12:55	VV110525
179601-23-1	m/p-Xylenes	43.4		1	0.24	2.00	ug/L	11/05/25 12:55	VV110525
95-47-6	o-Xylene	20.8		1	0.12	1.00	ug/L	11/05/25 12:55	VV110525
100-42-5	Styrene	21.9		1	0.15	1.00	ug/L	11/05/25 12:55	VV110525
75-25-2	Bromoform	19.7		1	0.19	1.00	ug/L	11/05/25 12:55	VV110525

Raw Data: **VV039331.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1105WBS01			SDG No.:	Q3534
Lab Sample ID:	VV1105WBS01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.1		1	0.12	1.00	ug/L	11/05/25 12:55	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	17.9		1	0.26	1.00	ug/L	11/05/25 12:55	VV110525
541-73-1	1,3-Dichlorobenzene	20.0		1	0.16	1.00	ug/L	11/05/25 12:55	VV110525
106-46-7	1,4-Dichlorobenzene	19.5		1	0.19	1.00	ug/L	11/05/25 12:55	VV110525
95-50-1	1,2-Dichlorobenzene	19.2		1	0.16	1.00	ug/L	11/05/25 12:55	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		1	0.53	1.00	ug/L	11/05/25 12:55	VV110525
120-82-1	1,2,4-Trichlorobenzene	19.5		1	0.20	1.00	ug/L	11/05/25 12:55	VV110525
87-61-6	1,2,3-Trichlorobenzene	19.5		1	0.20	1.00	ug/L	11/05/25 12:55	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	51.1			70 (74) - 130 (125)	102%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.2			70 (75) - 130 (124)	104%	SPK: 50		
2037-26-5	Toluene-d8	54.2			70 (86) - 130 (113)	108%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.9			70 (77) - 130 (121)	110%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	709000							
540-36-3	1,4-Difluorobenzene	1110000							
3114-55-4	Chlorobenzene-d5	1080000							
3855-82-1	1,4-Dichlorobenzene-d4	614000							

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_V\DATA\VV110525\
Data File : VV039331.D
Acq On : 05 Nov 2025 12:55
Operator : SY/MD
Sample : VV1105WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBS01

Quant Time: Nov 06 00:12:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.597	168	708659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1110235	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1080434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	614058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	514415	51.086	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 102.180%			
35) Dibromofluoromethane	4.500	113	456250	52.156	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 104.320%			
50) Toluene-d8	7.233	98	1613297	54.211	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 108.420%			
62) 4-Bromofluorobenzene	9.998	95	582338	54.945	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 109.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	151845	16.953	ug/l	98
3) Chloromethane	1.230	50	165321	17.728	ug/l	99
4) Vinyl Chloride	1.298	62	192110	18.058	ug/l	100
5) Bromomethane	1.500	94	120166	17.409	ug/l	99
6) Chloroethane	1.561	64	130509	20.911	ug/l	97
7) Trichlorofluoromethane	1.729	101	305780	18.814	ug/l	98
8) Diethyl Ether	1.918	74	107151	18.244	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	187255	19.242	ug/l	99
10) Methyl Iodide	2.198	142	146915	17.522	ug/l	99
11) Tert butyl alcohol	2.561	59	157784	80.854	ug/l	99
12) 1,1-Dichloroethene	2.082	96	174560	18.268	ug/l	98
13) Acrolein	2.011	56	57251	45.044	ug/l	97
14) Allyl chloride	2.359	41	277096	18.293	ug/l	99
15) Acrylonitrile	2.674	53	507942	87.770	ug/l	99
16) Acetone	2.118	43	503726	101.543	ug/l	100
17) Carbon Disulfide	2.256	76	493771	18.295	ug/l	99
18) Methyl Acetate	2.378	43	213694	16.377	ug/l	100
19) Methyl tert-butyl Ether	2.709	73	541798	18.838	ug/l	99
20) Methylene Chloride	2.458	84	199081	20.991	ug/l	99
21) trans-1,2-Dichloroethene	2.703	96	187193	18.606	ug/l	100
22) Diisopropyl ether	3.214	45	556242	20.453	ug/l	84
23) Vinyl Acetate	3.188	43	2368390	99.199	ug/l	100
24) 1,1-Dichloroethane	3.118	63	341031	18.718	ug/l	99
25) 2-Butanone	3.863	43	583217	94.706	ug/l	98
26) 2,2-Dichloropropane	3.809	77	281507	19.183	ug/l	98
27) cis-1,2-Dichloroethene	3.818	96	196769	19.533	ug/l	99
28) Bromochloromethane	4.146	49	150455	19.369	ug/l	98
29) Tetrahydrofuran	4.236	42	360292	91.504	ug/l	98
30) Chloroform	4.278	83	357431	19.237	ug/l	96
31) Cyclohexane	4.584	56	263859	19.883	ug/l	96
32) 1,1,1-Trichloroethane	4.513	97	313414	19.293	ug/l	99
36) 1,1-Dichloropropene	4.744	75	216998	19.750	ug/l	99
37) Ethyl Acetate	3.976	43	223250	17.356	ug/l	98
38) Carbon Tetrachloride	4.735	117	262131	19.582	ug/l	98
39) Methylcyclohexane	6.047	83	247722	19.727	ug/l	98
40) Benzene	5.008	78	720093	20.424	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039331.D
Acq On : 05 Nov 2025 12:55
Operator : SY/MD
Sample : VV1105WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBS01

Quant Time: Nov 06 00:12:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	92536	17.943	ug/l	93
42) 1,2-Dichloroethane	5.040	62	236736	19.132	ug/l	99
43) Isopropyl Acetate	5.191	43	336423	19.977	ug/l	99
44) Trichloroethene	5.831	130	176863	19.948	ug/l	98
45) 1,2-Dichloropropane	6.088	63	177521	20.692	ug/l	98
46) Dibromomethane	6.227	93	133875	18.669	ug/l	95
47) Bromodichloromethane	6.426	83	280100	19.824	ug/l	99
48) Methyl methacrylate	6.297	41	145594	18.662	ug/l	97
49) 1,4-Dioxane	6.291	88	45801	352.907	ug/l	98
51) 4-Methyl-2-Pentanone	7.146	43	1188077	101.690	ug/l	97
52) Toluene	7.307	92	457126	21.474	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	249007	20.165	ug/l	100
54) cis-1,3-Dichloropropene	6.947	75	284815	20.746	ug/l	99
55) 1,1,2-Trichloroethane	7.760	97	189312	19.695	ug/l	96
56) Ethyl methacrylate	7.715	69	220114	20.212	ug/l	98
57) 1,3-Dichloropropane	7.934	76	300599	20.723	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.812	63	652369	104.109	ug/l	99
59) 2-Hexanone	8.063	43	869269	101.345	ug/l	98
60) Dibromochloromethane	8.166	129	224872	20.008	ug/l	100
61) 1,2-Dibromoethane	8.272	107	201175	20.100	ug/l	99
64) Tetrachloroethene	7.895	164	158158	20.067	ug/l	98
65) Chlorobenzene	8.802	112	511152	19.985	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.895	131	186905	19.509	ug/l	99
67) Ethyl Benzene	8.937	91	767565	20.373	ug/l	100
68) m/p-Xylenes	9.063	106	648604	43.405	ug/l	99
69) o-Xylene	9.468	106	274321	20.788	ug/l	97
70) Styrene	9.484	104	514861	21.927	ug/l	100
71) Bromoform	9.654	173	152324	19.660	ug/l	97
73) Isopropylbenzene	9.854	105	786898	21.103	ug/l	100
74) N-amyl acetate	9.725	43	285486	18.581	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	307266	17.943	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	223589	18.243	ug/l	94
77) Bromobenzene	10.140	156	207464	20.239	ug/l	99
78) n-propylbenzene	10.275	91	949310	20.981	ug/l	100
79) 2-Chlorotoluene	10.346	91	585997	20.978	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	676780	21.641	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.928	75	91871	18.931	ug/l	98
82) 4-Chlorotoluene	10.461	91	690470	21.504	ug/l	99
83) tert-Butylbenzene	10.789	119	624594	20.114	ug/l	100
84) 1,2,4-Trimethylbenzene	10.837	105	670688	21.785	ug/l	100
85) sec-Butylbenzene	11.011	105	823564	20.976	ug/l	100
86) p-Isopropyltoluene	11.165	119	711111	21.065	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	408042	19.957	ug/l	100
88) 1,4-Dichlorobenzene	11.194	146	445782	19.482	ug/l	99
89) n-Butylbenzene	11.580	91	631556	20.089	ug/l	98
90) Hexachloroethane	11.818	117	156038	18.693	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	373670	19.212	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.352	75	60189	17.094	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	211096	19.460	ug/l	99
94) Hexachlorobutadiene	13.368	225	100027	18.211	ug/l	100
95) Naphthalene	13.426	128	657231	18.493	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	220351	19.545	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039331.D
Acq On : 05 Nov 2025 12:55
Operator : SY/MD
Sample : VV1105WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBS01

Quant Time: Nov 06 00:12:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

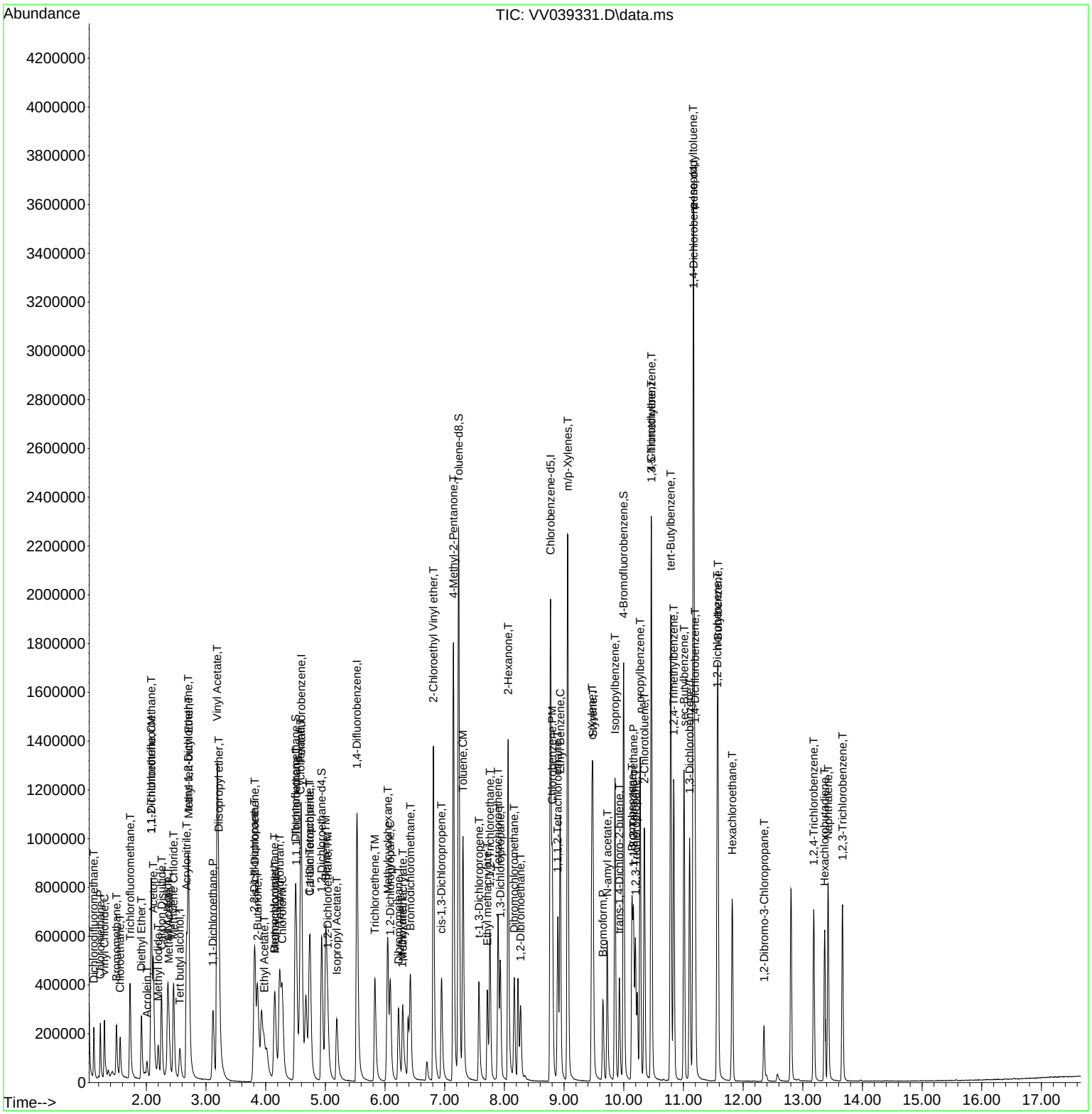
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039331.D
Acq On : 05 Nov 2025 12:55
Operator : SY/MD
Sample : VV1105WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBS01

Quant Time: Nov 06 00:12:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



Raw Data: **VV039310.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	VV1104WBSD01	SDG No.:	Q3534
Lab Sample ID:	VV1104WBSD01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	15.9		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
74-87-3	Chloromethane	17.6		1	0.32	1.00	ug/L	11/04/25 13:12	VV110425
75-01-4	Vinyl Chloride	16.7		1	0.26	1.00	ug/L	11/04/25 13:12	VV110425
74-83-9	Bromomethane	19.0		1	1.40	5.00	ug/L	11/04/25 13:12	VV110425
75-00-3	Chloroethane	18.6		1	0.47	1.00	ug/L	11/04/25 13:12	VV110425
75-69-4	Trichlorofluoromethane	17.3		1	0.33	1.00	ug/L	11/04/25 13:12	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
75-35-4	1,1-Dichloroethene	16.5		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
67-64-1	Acetone	89.0		1	1.50	5.00	ug/L	11/04/25 13:12	VV110425
75-15-0	Carbon Disulfide	17.0		1	0.21	1.00	ug/L	11/04/25 13:12	VV110425
1634-04-4	Methyl tert-butyl Ether	18.3		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
79-20-9	Methyl Acetate	15.7		1	0.27	1.00	ug/L	11/04/25 13:12	VV110425
75-09-2	Methylene Chloride	19.5		1	0.28	1.00	ug/L	11/04/25 13:12	VV110425
156-60-5	trans-1,2-Dichloroethene	17.0		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
75-34-3	1,1-Dichloroethane	17.3		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
110-82-7	Cyclohexane	18.1		1	1.50	5.00	ug/L	11/04/25 13:12	VV110425
78-93-3	2-Butanone	85.1		1	0.98	5.00	ug/L	11/04/25 13:12	VV110425
56-23-5	Carbon Tetrachloride	18.5		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
156-59-2	cis-1,2-Dichloroethene	19.0		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425
74-97-5	Bromochloromethane	17.6		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
67-66-3	Chloroform	17.7		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
71-55-6	1,1,1-Trichloroethane	17.9		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
108-87-2	Methylcyclohexane	17.9		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
107-06-2	1,2-Dichloroethane	18.2		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
79-01-6	Trichloroethene	19.0		1	0.090	1.00	ug/L	11/04/25 13:12	VV110425
78-87-5	1,2-Dichloropropane	18.5		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
75-27-4	Bromodichloromethane	18.5		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
108-10-1	4-Methyl-2-Pentanone	93.4		1	0.68	5.00	ug/L	11/04/25 13:12	VV110425
108-88-3	Toluene	20.0		1	0.14	1.00	ug/L	11/04/25 13:12	VV110425
10061-02-6	t-1,3-Dichloropropene	19.3		1	0.17	1.00	ug/L	11/04/25 13:12	VV110425
10061-01-5	cis-1,3-Dichloropropene	19.6		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
79-00-5	1,1,2-Trichloroethane	18.8		1	0.21	1.00	ug/L	11/04/25 13:12	VV110425
591-78-6	2-Hexanone	91.1		1	0.89	5.00	ug/L	11/04/25 13:12	VV110425
124-48-1	Dibromochloromethane	18.7		1	0.18	1.00	ug/L	11/04/25 13:12	VV110425
106-93-4	1,2-Dibromoethane	18.9		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
127-18-4	Tetrachloroethene	19.0		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
108-90-7	Chlorobenzene	18.7		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
100-41-4	Ethyl Benzene	19.0		1	0.13	1.00	ug/L	11/04/25 13:12	VV110425
179601-23-1	m/p-Xylenes	40.2		1	0.24	2.00	ug/L	11/04/25 13:12	VV110425
95-47-6	o-Xylene	19.3		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
100-42-5	Styrene	20.2		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
75-25-2	Bromoform	18.8		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425

Raw Data: **VV039310.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1104WBSD01			SDG No.:	Q3534
Lab Sample ID:	VV1104WBSD01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.3		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	16.6		1	0.26	1.00	ug/L	11/04/25 13:12	VV110425
541-73-1	1,3-Dichlorobenzene	19.1		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
106-46-7	1,4-Dichlorobenzene	18.0		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425
95-50-1	1,2-Dichlorobenzene	18.1		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	15.9		1	0.53	1.00	ug/L	11/04/25 13:12	VV110425
120-82-1	1,2,4-Trichlorobenzene	18.1		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
87-61-6	1,2,3-Trichlorobenzene	18.0		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.2			70 (74) - 130 (125)	100%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.2			70 (75) - 130 (124)	100%	SPK: 50		
2037-26-5	Toluene-d8	52.5			70 (86) - 130 (113)	105%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.5			70 (77) - 130 (121)	107%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	706000							
540-36-3	1,4-Difluorobenzene	1110000							
3114-55-4	Chlorobenzene-d5	1080000							
3855-82-1	1,4-Dichlorobenzene-d4	618000							

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_V\DATA\VV110425\
Data File : VV039310.D
Acq On : 04 Nov 2025 13:12
Operator : SY/MD
Sample : VV1104WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Quant Time: Nov 05 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.596	168	706395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1110419	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1079972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	618050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	504363	50.248	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 100.500%			
35) Dibromofluoromethane	4.500	113	439127	50.190	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.380%			
50) Toluene-d8	7.233	98	1562786	52.505	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 105.000%			
62) 4-Bromofluorobenzene	9.998	95	566888	53.478	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 106.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	142292	15.937	ug/l	99
3) Chloromethane	1.230	50	163201	17.557	ug/l	99
4) Vinyl Chloride	1.298	62	177522	16.740	ug/l	99
5) Bromomethane	1.500	94	130712	18.997	ug/l	96
6) Chloroethane	1.561	64	117164	18.599	ug/l	100
7) Trichlorofluoromethane	1.728	101	280464	17.312	ug/l	100
8) Diethyl Ether	1.918	74	101974	17.418	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	171938	17.724	ug/l	100
10) Methyl Iodide	2.198	142	177632	21.253	ug/l	100
11) Tert butyl alcohol	2.568	59	114504	58.864	ug/l	99
12) 1,1-Dichloroethene	2.082	96	157485	16.534	ug/l	99
13) Acrolein	2.011	56	45929	34.858	ug/l	96
14) Allyl chloride	2.359	41	255924	16.950	ug/l	99
15) Acrylonitrile	2.674	53	474435	82.243	ug/l	99
16) Acetone	2.117	43	446179	89.035	ug/l	99
17) Carbon Disulfide	2.252	76	457002	16.987	ug/l	100
18) Methyl Acetate	2.381	43	204155	15.696	ug/l	99
19) Methyl tert-butyl Ether	2.712	73	525437	18.328	ug/l	100
20) Methylene Chloride	2.458	84	185551	19.477	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	170629	17.014	ug/l	98
22) Diisopropyl ether	3.214	45	516923	19.068	ug/l #	73
23) Vinyl Acetate	3.191	43	2240706	94.151	ug/l	100
24) 1,1-Dichloroethane	3.121	63	314272	17.304	ug/l	98
25) 2-Butanone	3.870	43	522681	85.148	ug/l	98
26) 2,2-Dichloropropane	3.812	77	263373	18.005	ug/l	100
27) cis-1,2-Dichloroethene	3.825	96	190586	18.980	ug/l	98
28) Bromochloromethane	4.146	49	136004	17.565	ug/l	100
29) Tetrahydrofuran	4.240	42	329172	83.868	ug/l	99
30) Chloroform	4.278	83	326914	17.651	ug/l	99
31) Cyclohexane	4.584	56	239964	18.140	ug/l	95
32) 1,1,1-Trichloroethane	4.513	97	290407	17.934	ug/l	99
36) 1,1-Dichloropropene	4.744	75	202551	18.432	ug/l	99
37) Ethyl Acetate	3.982	43	216252	16.809	ug/l	96
38) Carbon Tetrachloride	4.735	117	247835	18.511	ug/l	99
39) Methylcyclohexane	6.047	83	225379	17.945	ug/l	95
40) Benzene	5.011	78	664122	18.834	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039310.D
Acq On : 04 Nov 2025 13:12
Operator : SY/MD
Sample : VV1104WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Quant Time: Nov 05 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.162	41	89193	17.353	ug/l		96
42) 1,2-Dichloroethane	5.040	62	224904	18.173	ug/l		99
43) Isopropyl Acetate	5.194	43	311494	18.494	ug/l		100
44) Trichloroethene	5.831	130	168787	19.034	ug/l		96
45) 1,2-Dichloropropane	6.088	63	158585	18.482	ug/l		99
46) Dibromomethane	6.227	93	129164	18.009	ug/l		97
47) Bromodichloromethane	6.426	83	261312	18.491	ug/l		99
48) Methyl methacrylate	6.301	41	131960	16.912	ug/l		97
49) 1,4-Dioxane	6.297	88	25908	199.594	ug/l		96
51) 4-Methyl-2-Pentanone	7.146	43	1091455	93.404	ug/l		98
52) Toluene	7.310	92	425923	20.005	ug/l		98
53) t-1,3-Dichloropropene	7.574	75	238584	19.318	ug/l		99
54) cis-1,3-Dichloropropene	6.950	75	268605	19.562	ug/l		100
55) 1,1,2-Trichloroethane	7.760	97	181167	18.844	ug/l		98
56) Ethyl methacrylate	7.715	69	208906	19.180	ug/l		99
57) 1,3-Dichloropropane	7.934	76	282261	19.456	ug/l		99
58) 2-Chloroethyl Vinyl ether	6.812	63	610540	97.962	ug/l		100
59) 2-Hexanone	8.063	43	781191	91.062	ug/l		98
60) Dibromochloromethane	8.165	129	209660	18.652	ug/l		99
61) 1,2-Dibromoethane	8.275	107	189522	18.932	ug/l		100
64) Tetrachloroethene	7.895	164	149728	19.006	ug/l		98
65) Chlorobenzene	8.802	112	477053	18.659	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.899	131	173236	18.090	ug/l		100
67) Ethyl Benzene	8.937	91	714598	18.975	ug/l		99
68) m/p-Xylenes	9.063	106	599953	40.166	ug/l		99
69) o-Xylene	9.468	106	255191	19.346	ug/l		99
70) Styrene	9.487	104	473582	20.178	ug/l		100
71) Bromoform	9.654	173	145493	18.787	ug/l	#	99
73) Isopropylbenzene	9.853	105	726176	19.349	ug/l		100
74) N-amyl acetate	9.725	43	262340	16.964	ug/l		99
75) 1,1,2,2-Tetrachloroethane	10.165	83	285417	16.560	ug/l		100
76) 1,2,3-Trichloropropane	10.198	75	208431	16.897	ug/l		98
77) Bromobenzene	10.140	156	194441	18.846	ug/l		99
78) n-propylbenzene	10.278	91	873113	19.173	ug/l		100
79) 2-Chlorotoluene	10.345	91	548766	19.518	ug/l		100
80) 1,3,5-Trimethylbenzene	10.464	105	628719	19.974	ug/l		99
81) trans-1,4-Dichloro-2-b...	9.927	75	86319	17.672	ug/l		99
82) 4-Chlorotoluene	10.461	91	635854	19.676	ug/l		100
83) tert-Butylbenzene	10.789	119	565360	18.088	ug/l		98
84) 1,2,4-Trimethylbenzene	10.841	105	604279	19.501	ug/l		99
85) sec-Butylbenzene	11.011	105	730091	18.475	ug/l		99
86) p-Isopropyltoluene	11.165	119	623275	18.344	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	392721	19.084	ug/l		98
88) 1,4-Dichlorobenzene	11.197	146	413908	17.972	ug/l		99
89) n-Butylbenzene	11.580	91	544830	17.219	ug/l		99
90) Hexachloroethane	11.818	117	137751	16.396	ug/l		99
91) 1,2-Dichlorobenzene	11.567	146	355117	18.140	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	56405	15.916	ug/l		95
93) 1,2,4-Trichlorobenzene	13.185	180	198152	18.149	ug/l		99
94) Hexachlorobutadiene	13.368	225	79422	14.366	ug/l		98
95) Naphthalene	13.422	128	609877	17.050	ug/l		99
96) 1,2,3-Trichlorobenzene	13.667	180	203858	17.965	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039310.D
Acq On : 04 Nov 2025 13:12
Operator : SY/MD
Sample : VV1104WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Quant Time: Nov 05 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

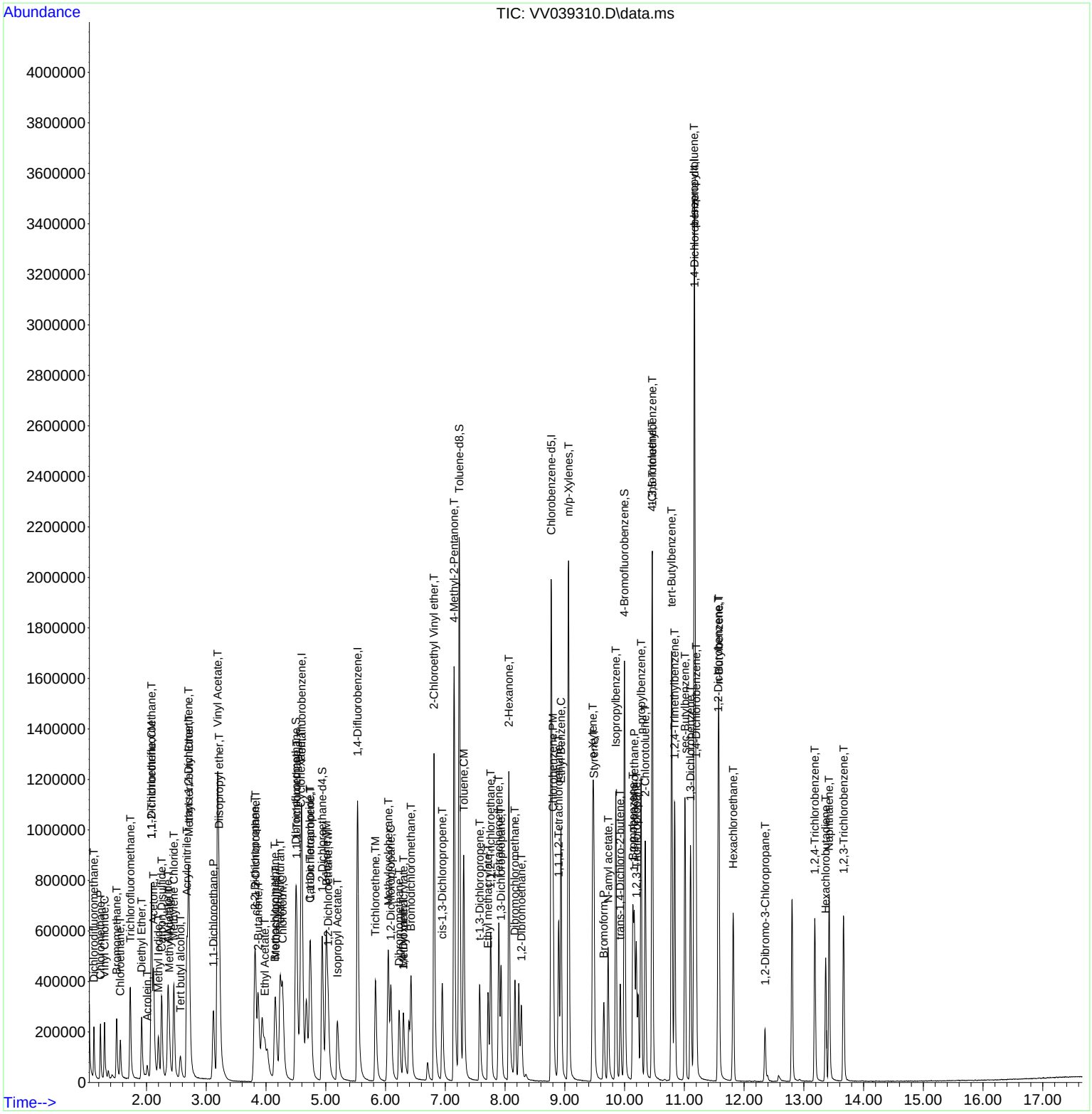
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039310.D
Acq On : 04 Nov 2025 13:12
Operator : SY/MD
Sample : VV1104WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

Quant Time: Nov 05 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	VV100725	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VV039282.D	1,1-Dichloropropene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	1,4-Dichlorobenzene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	1,4-Dioxane	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	2-Butanone	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	2-Hexanone	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	cis-1,2-Dichloroethene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Ethyl methacrylate	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Methacrylonitrile	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Methyl methacrylate	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	N-amyl acetate	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Naphthalene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Styrene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Tetrahydrofuran	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV100725	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VV039283.D	Ethyl Acetate	sam	10/10/2025 3:00:58 AM	MMdadoda	10/10/2025 4:38:20 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV110425	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VV039306.D	1,4-Dioxane	Amit	11/5/2025 7:55:44 AM	MMDadoda	11/5/2025 7:56:52 AM	Peak Integrated by Software
VSTDCCC050	VV039306.D	Dichlorodifluoromethane	Amit	11/5/2025 7:55:44 AM	MMDadoda	11/5/2025 7:56:52 AM	Peak Integrated by Software
VV1104WBS01	VV039309.D	1,4-Dioxane	Amit	11/5/2025 7:55:47 AM	MMDadoda	11/5/2025 7:56:55 AM	Peak Integrated by Software
Q3534-05	VV039318.D	4-Chlorotoluene	Amit	11/5/2025 7:55:58 AM	MMDadoda	11/5/2025 7:57:21 AM	Peak Integrated by Software
Q3534-06	VV039319.D	Tetrahydrofuran	Amit	11/5/2025 7:56:02 AM	MMDadoda	11/5/2025 7:57:24 AM	Peak Integrated by Software
Q3534-07	VV039320.D	Tetrahydrofuran	Amit	11/5/2025 7:56:06 AM	MMDadoda	11/5/2025 7:57:27 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VV110525	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:01:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:28 AM		
SubDirectory	VV100725	HP Acquire Method	8260_V	HP Processing Method	82V100725W.M

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	
CCC	
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039281.D	07 Oct 2025 08:25	SY/MD	Ok
2	VSTDICC001	VV039282.D	07 Oct 2025 09:40	SY/MD	Ok,M
3	VSTDICC005	VV039283.D	07 Oct 2025 10:03	SY/MD	Ok,M
4	VSTDICC010	VV039284.D	07 Oct 2025 10:25	SY/MD	Ok
5	VSTDICC020	VV039285.D	07 Oct 2025 10:47	SY/MD	Ok
6	VSTDICCC050	VV039286.D	07 Oct 2025 11:10	SY/MD	Ok
7	VSTDICC100	VV039287.D	07 Oct 2025 11:32	SY/MD	Ok
8	VIBLK	VV039288.D	07 Oct 2025 11:55	SY/MD	Ok
9	VSTDICV050	VV039289.D	07 Oct 2025 12:18	SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM				
SubDirectory	VV110425	HP Acquire Method	MSVOA_V		HP Processing Method	82V100725W.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136040
Initial Calibration Stds	
CCC	VP136043,VP136044
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039305.D	04 Nov 2025 10:24	SY/MD	Ok
2	VSTDCCC050	VV039306.D	04 Nov 2025 11:21	SY/MD	Ok,M
3	VV1104MBL01	VV039307.D	04 Nov 2025 11:52	SY/MD	Ok
4	VV1104WBL01	VV039308.D	04 Nov 2025 12:21	SY/MD	Ok
5	VV1104WBS01	VV039309.D	04 Nov 2025 12:49	SY/MD	Ok,M
6	VV1104WBSD01	VV039310.D	04 Nov 2025 13:12	SY/MD	Ok
7	Q3434-02	VV039311.D	04 Nov 2025 13:49	SY/MD	ReRun
8	Q3434-03	VV039312.D	04 Nov 2025 14:12	SY/MD	Ok
9	Q3434-02RE	VV039313.D	04 Nov 2025 14:34	SY/MD	Confirms
10	Q3521-03	VV039314.D	04 Nov 2025 14:56	SY/MD	Ok
11	VIBLK	VV039315.D	04 Nov 2025 15:32	SY/MD	Ok
12	Q3534-09	VV039316.D	04 Nov 2025 15:54	SY/MD	Ok
13	Q3534-10	VV039317.D	04 Nov 2025 16:17	SY/MD	Ok
14	Q3534-05	VV039318.D	04 Nov 2025 16:39	SY/MD	Ok,M
15	Q3534-06	VV039319.D	04 Nov 2025 17:02	SY/MD	Ok,M
16	Q3534-07	VV039320.D	04 Nov 2025 17:24	SY/MD	Ok,M
17	Q3534-01	VV039321.D	04 Nov 2025 17:47	SY/MD	Ok
18	Q3534-02	VV039322.D	04 Nov 2025 18:09	SY/MD	Ok
19	Q3534-03	VV039323.D	04 Nov 2025 18:32	SY/MD	ReRun
20	Q3534-04	VV039324.D	04 Nov 2025 18:54	SY/MD	Ok
21	VIBLK	VV039325.D	04 Nov 2025 19:17	SY/MD	Ok

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM				
SubDirectory	VV110425	HP Acquire Method	MSVOA_V		HP Processing Method	82V100725W.m	

STD. NAME	STD REF.#
Tune/Reschk	VP136040
Initial Calibration Stds	
CCC	VP136043,VP136044
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VV039326.D	04 Nov 2025 19:39	SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110525

Review By	Amit Patel	Review On	11/6/2025 11:33:11 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 11:33:41 AM				
SubDirectory	VV110525	HP Acquire Method	MSVOA_V		HP Processing Method	82V100725W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP136055
Initial Calibration Stds	
CCC	VP136058,VP136059
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039327.D	05 Nov 2025 10:37	SY/MD	Ok
2	VSTDCCC050	VV039328.D	05 Nov 2025 11:34	SY/MD	Ok
3	VV1105MBL01	VV039329.D	05 Nov 2025 12:06	SY/MD	Ok
4	VV1105WBL01	VV039330.D	05 Nov 2025 12:29	SY/MD	Ok
5	VV1105WBS01	VV039331.D	05 Nov 2025 12:55	SY/MD	Ok
6	VV1105WBSD01	VV039332.D	05 Nov 2025 13:17	SY/MD	Ok
7	Q3534-03	VV039333.D	05 Nov 2025 13:54	SY/MD	Ok
8	Q3541-01	VV039334.D	05 Nov 2025 14:17	SY/MD	Ok
9	Q3537-03	VV039335.D	05 Nov 2025 14:39	SY/MD	Ok
10	VIBLK	VV039336.D	05 Nov 2025 15:18	SY/MD	Ok
11	Q3552-06	VV039337.D	05 Nov 2025 15:50	SY/MD	Ok
12	Q3552-02	VV039338.D	05 Nov 2025 16:13	SY/MD	Ok
13	Q3552-03	VV039339.D	05 Nov 2025 16:35	SY/MD	Ok,M
14	Q3552-04	VV039340.D	05 Nov 2025 16:58	SY/MD	Ok
15	Q3552-05	VV039341.D	05 Nov 2025 17:20	SY/MD	Ok
16	Q3552-01	VV039342.D	05 Nov 2025 17:43	SY/MD	Ok,M
17	VIBLK	VV039343.D	05 Nov 2025 18:05	SY/MD	Ok
18	VIBLK	VV039344.D	05 Nov 2025 18:28	SY/MD	Ok
19	VSTDCCC050	VV039345.D	05 Nov 2025 18:50	SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:01:11 AM			
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:28 AM			
SubDirectory	VV100725	HP Acquire Method	8260_V	HP Processing Method	82V100725W.M	

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	
CCC	
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	VV039281.D	07 Oct 2025 08:25		SY/MD	Ok
2	VSTDICC001	VSTDICC001	VV039282.D	07 Oct 2025 09:40		SY/MD	Ok,M
3	VSTDICC005	VSTDICC005	VV039283.D	07 Oct 2025 10:03		SY/MD	Ok,M
4	VSTDICC010	VSTDICC010	VV039284.D	07 Oct 2025 10:25		SY/MD	Ok
5	VSTDICC020	VSTDICC020	VV039285.D	07 Oct 2025 10:47	Comp. #06,13,16,20,41,58 on Linear Regression	SY/MD	Ok
6	VSTDICCC050	VSTDICCC050	VV039286.D	07 Oct 2025 11:10		SY/MD	Ok
7	VSTDICC100	VSTDICC100	VV039287.D	07 Oct 2025 11:32		SY/MD	Ok
8	VIBLK	VIBLK	VV039288.D	07 Oct 2025 11:55		SY/MD	Ok
9	VSTDICV050	ICVVV100725	VV039289.D	07 Oct 2025 12:18		SY/MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM		
SubDirectory	VV110425	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.m

STD. NAME	STD REF.#
Tune/Reschk	VP136040
Initial Calibration Stds	
CCC	VP136043,VP136044
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VV039305.D	04 Nov 2025 10:24		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VV039306.D	04 Nov 2025 11:21	Comp. #02 failed low	SY/MD	Ok,M
3	VV1104MBL01	VV1104MBL01	VV039307.D	04 Nov 2025 11:52		SY/MD	Ok
4	VV1104WBL01	VV1104WBL01	VV039308.D	04 Nov 2025 12:21		SY/MD	Ok
5	VV1104WBS01	VV1104WBS01	VV039309.D	04 Nov 2025 12:49		SY/MD	Ok,M
6	VV1104WBSD01	VV1104WBSD01	VV039310.D	04 Nov 2025 13:12		SY/MD	Ok
7	Q3434-02	PR132-WC2-20251022	VV039311.D	04 Nov 2025 13:49	pH<2A, Surrogate Fail	SY/MD	ReRun
8	Q3434-03	TB	VV039312.D	04 Nov 2025 14:12	pH<2A,TB	SY/MD	Ok
9	Q3434-02RE	PR132-WC2-20251022	VV039313.D	04 Nov 2025 14:34	pH<2B, Surrogate Fail	SY/MD	Confirms
10	Q3521-03	TANK-2025	VV039314.D	04 Nov 2025 14:56		SY/MD	Ok
11	VIBLK	VIBLK	VV039315.D	04 Nov 2025 15:32		SY/MD	Ok
12	Q3534-09	FB-1	VV039316.D	04 Nov 2025 15:54	pH<2A ,FB	SY/MD	Ok
13	Q3534-10	EB-1	VV039317.D	04 Nov 2025 16:17	pH<2A ,EB	SY/MD	Ok
14	Q3534-05	MW-EB-1	VV039318.D	04 Nov 2025 16:39	pH<2A	SY/MD	Ok,M
15	Q3534-06	MW-EB-2	VV039319.D	04 Nov 2025 17:02	pH<2A	SY/MD	Ok,M
16	Q3534-07	MW-EB-3	VV039320.D	04 Nov 2025 17:24	pH<2A	SY/MD	Ok,M
17	Q3534-01	MW-6	VV039321.D	04 Nov 2025 17:47	pH<2A	SY/MD	Ok
18	Q3534-02	MW-1	VV039322.D	04 Nov 2025 18:09	pH<2A	SY/MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM		
SubDirectory	VV110425	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.m

STD. NAME	STD REF.#
Tune/Reschk	VP136040
Initial Calibration Stds	
CCC	VP136043,VP136044
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q3534-03	MW-11	VV039323.D	04 Nov 2025 18:32	pH<2A ,Surrogate Fail	SY/MD	ReRun
20	Q3534-04	MW-5	VV039324.D	04 Nov 2025 18:54	pH<2A	SY/MD	Ok
21	VIBLK	VIBLK	VV039325.D	04 Nov 2025 19:17		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VV039326.D	04 Nov 2025 19:39		SY/MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110525

Review By	Amit Patel	Review On	11/6/2025 11:33:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 11:33:41 AM		
SubDirectory	VV110525	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136055
Initial Calibration Stds	
CCC	VP136058,VP136059
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VV039327.D	05 Nov 2025 10:37	pH#lot#v14222	SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VV039328.D	05 Nov 2025 11:34	CCC failed Low For Com.#02	SY/MD	Ok
3	VV1105MBL01	VV1105MBL01	VV039329.D	05 Nov 2025 12:06		SY/MD	Ok
4	VV1105WBL01	VV1105WBL01	VV039330.D	05 Nov 2025 12:29		SY/MD	Ok
5	VV1105WBS01	VV1105WBS01	VV039331.D	05 Nov 2025 12:55		SY/MD	Ok
6	VV1105WBSD01	VV1105WBSD01	VV039332.D	05 Nov 2025 13:17		SY/MD	Ok
7	Q3534-03	MW-11	VV039333.D	05 Nov 2025 13:54	pH<2.0 B	SY/MD	Ok
8	Q3541-01	N48969	VV039334.D	05 Nov 2025 14:17	pH<2.0 B	SY/MD	Ok
9	Q3537-03	MW-17-PURGE-WATE	VV039335.D	05 Nov 2025 14:39	pH<2.0 B	SY/MD	Ok
10	VIBLK	VIBLK	VV039336.D	05 Nov 2025 15:18		SY/MD	Ok
11	Q3552-06	TB	VV039337.D	05 Nov 2025 15:50	pH<2.0 A ,TB	SY/MD	Ok
12	Q3552-02	MW-8	VV039338.D	05 Nov 2025 16:13	pH<2.0 A	SY/MD	Ok
13	Q3552-03	MW-9	VV039339.D	05 Nov 2025 16:35	pH<2.0 A	SY/MD	Ok,M
14	Q3552-04	MW-10	VV039340.D	05 Nov 2025 16:58	pH<2.0 A	SY/MD	Ok
15	Q3552-05	MW-3	VV039341.D	05 Nov 2025 17:20	pH<2.0 A	SY/MD	Ok
16	Q3552-01	MW-4	VV039342.D	05 Nov 2025 17:43	pH<2.0 A	SY/MD	Ok,M
17	VIBLK	VIBLK	VV039343.D	05 Nov 2025 18:05		SY/MD	Ok
18	VIBLK	VIBLK	VV039344.D	05 Nov 2025 18:28		SY/MD	Ok

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV110525

Review By	Amit Patel	Review On	11/6/2025 11:33:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 11:33:41 AM		
SubDirectory	VV110525	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136055
Initial Calibration Stds	
CCC	VP136058,VP136059
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VV039345.D	05 Nov 2025 18:50		SY/MD	Ok

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. Q3534
COC Number 2046908

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Remington & Vernick Engineers
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Kyle.Carlson@rve.com
PHONE: 609-682-3019 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Edison Landfill
PROJECT NO.: 1205T007 LOCATION: Edison, NJ
PROJECT MANAGER: Leslie Hartzell
e-mail: Leslie.Hartzell@rve.com
PHONE: 610-663-4665 FAX:

CLIENT BILLING INFORMATION

BILL TO: APinvoices@rve.com PO#: 1205T007
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Leslie Hartzell PHONE: 610-663-4665

DATA TURNAROUND INFORMATION

FAX (RUSH) ____ DAYS*
HARDCOPY (DATA PACKAGE): STAT 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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other
☒ EDD FORMAT Hazsite

ANALYSIS

1. TCL/TAL + 30
2. VOCs
3. TAL Metals/Mercury
4. Cyanide
5. COD
6. TKN
7. Oil & Grease
8. Hex Chrome
9. VOCs (blank)

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 (E)	2 (A)	3 (B)	4 (D)	5 (C)	6 (C)	7 (C)	8 (F)	9 (F)	COMMENTS
1.	MW-6	GW		X	11/3/25	10:45	15	7	2	1	1	1	1	1	1		ammonium sulfate buffer
2.	MW-1	GW		X	11/3/25	11:50	15	7	2	1	1	1	1	1	1		↓
3.	MW-11	GW		X	11/3/25	12:00	15	7	2	1	1	1	1	1	1		
4.	MW-5	GW		X	11/4/25	10:20	15	7	2	1	1	1	1	1	1		
5.	MW-EB-1	GW		X	11/3/25	15:00	15	7	2	1	1	1	1	1	1		
6.	MW-EB-2	GW		X	11/4/25	10:05	15	7	2	1	1	1	1	1	1		
7.	MW-EB-3	GW		X	11/3/25	14:30	15	7	2	1	1	1	1	1	1		
8.	TB-1	GW		X	11/3/25	8:00	2		2								trip blank
9.	FB-1	GW		X	11/4/25	11:20	11	2	2	1	1			1	1	3	field blank
10.	EB-1	GW		X	11/4/25	11:20	5		2							3	equipment blank

PRESERVATIVES — Specify Preservatives: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Arina Moaer	11/4/25 (11:30)	1. [signature] 1218 11-4-25
2.		2.
3. [signature]	1310 11-4-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 1 of 1 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