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:	Q3552	**OrderDate:**	11/5/2025 2:23:00 PM
Client:	Remington & Vernick Engineers	**Project:**	Edison Landfill
Contact:	Kyle Carlson	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3552-01	**MW-4**	**Water**			**11/04/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3552-02	**MW-8**	**Water**			**11/04/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3552-03	**MW-9**	**Water**			**11/04/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3552-04	**MW-10**	**Water**			**11/05/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3552-05	**MW-3**	**Water**			**11/04/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3552-06	**TB**	**Water**			**11/05/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3552

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-4**								
Q3552-01	MW-4	Water	Dichlorodifluoromethane		1.60		0.22	1.00	ug/L
Q3552-01	MW-4	Water	Methyl tert-butyl Ether		1.10		0.16	1.00	ug/L
Q3552-01	MW-4	Water	Benzene		45.7		0.15	1.00	ug/L
Q3552-01	MW-4	Water	Toluene		0.57	J	0.14	1.00	ug/L
Q3552-01	MW-4	Water	Chlorobenzene		29.6		0.12	1.00	ug/L
Q3552-01	MW-4	Water	o-Xylene		1.70		0.12	1.00	ug/L
Q3552-01	MW-4	Water	Isopropylbenzene		68.6		0.12	1.00	ug/L
Q3552-01	MW-4	Water	1,3-Dichlorobenzene		0.61	J	0.16	1.00	ug/L
Q3552-01	MW-4	Water	1,4-Dichlorobenzene		7.40		0.19	1.00	ug/L
Q3552-01	MW-4	Water	1,2-Dichlorobenzene		0.85	J	0.16	1.00	ug/L
			Total Voc :		158				
Q3552-01	MW-4	Water	Thiophene, tetrahydro-	*	54.2	J	0	0	ug/L
Q3552-01	MW-4	Water	7-Oxabicyclo[2.2.1]heptane, 1-	*	5.80	J	0	0	ug/L
Q3552-01	MW-4	Water	Tetrahydrofuran	*	89.8	J	0.99	5.00	ug/L
Q3552-01	MW-4	Water	Tert butyl alcohol	*	610	J	5.50	25.0	ug/L
Q3552-01	MW-4	Water	Diethyl Ether	*	9.50	J	0.31	1.00	ug/L
Q3552-01	MW-4	Water	n-propylbenzene	*	2.80	J	0.13	1.00	ug/L
Q3552-01	MW-4	Water	2-Chlorotoluene	*	0.73	J	0.14	1.00	ug/L
Q3552-01	MW-4	Water	n-Butylbenzene	*	0.68	J	0.15	1.00	ug/L
			Total Tics :		774				
			Total Concentration:		931				
Client ID:	**MW-9**								
Q3552-03	MW-9	Water	Chloroethane		2.50		0.47	1.00	ug/L
Q3552-03	MW-9	Water	Methyl tert-butyl Ether		0.71	J	0.16	1.00	ug/L
Q3552-03	MW-9	Water	Benzene		15.1		0.15	1.00	ug/L
Q3552-03	MW-9	Water	Toluene		0.48	J	0.14	1.00	ug/L
Q3552-03	MW-9	Water	Chlorobenzene		27.0		0.12	1.00	ug/L
Q3552-03	MW-9	Water	m/p-Xylenes		0.38	J	0.24	2.00	ug/L
Q3552-03	MW-9	Water	o-Xylene		0.99	J	0.12	1.00	ug/L
Q3552-03	MW-9	Water	Isopropylbenzene		1.30		0.12	1.00	ug/L
Q3552-03	MW-9	Water	1,4-Dichlorobenzene		5.10		0.19	1.00	ug/L
			Total Voc :		53.6				
Q3552-03	MW-9	Water	Tetrahydrofuran	*	26.2	J	0.99	5.00	ug/L
Q3552-03	MW-9	Water	Tert butyl alcohol	*	170	J	5.50	25.0	ug/L
Q3552-03	MW-9	Water	Diethyl Ether	*	5.10	J	0.31	1.00	ug/L
Q3552-03	MW-9	Water	n-propylbenzene	*	0.58	J	0.13	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q3552

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3552-03	MW-9	Water	Diisopropyl ether	*	0.37	J	0.15	1.00	ug/L
			Total Tics :		202				
			Total Concentration:		256				
Client ID:	**MW-3**								
Q3552-05	MW-3	Water	Dichlorodifluoromethane		0.58	J	0.22	1.00	ug/L
Q3552-05	MW-3	Water	Methyl tert-butyl Ether		0.30	J	0.16	1.00	ug/L
Q3552-05	MW-3	Water	Chlorobenzene		3.20		0.12	1.00	ug/L
Q3552-05	MW-3	Water	Isopropylbenzene		4.40		0.12	1.00	ug/L
Q3552-05	MW-3	Water	1,4-Dichlorobenzene		1.30		0.19	1.00	ug/L
			Total Voc :		9.78				
Q3552-05	MW-3	Water	Tetrahydrofuran	*	14.8	J	0.99	5.00	ug/L
Q3552-05	MW-3	Water	Tert butyl alcohol	*	100	J	5.50	25.0	ug/L
Q3552-05	MW-3	Water	Diethyl Ether	*	1.80	J	0.31	1.00	ug/L
			Total Tics :		117				
			Total Concentration:		126				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3552

Client: Remington & Vernick Engineers

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3552-01	MW-4	1,2-Dichloroethane-d4	50	56.9	114		70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102		70 (75)	130 (124)
		Toluene-d8	50	47.7	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.1	112		70 (77)	130 (121)
Q3552-02	MW-8	1,2-Dichloroethane-d4	50	59.1	118		70 (74)	130 (125)
		Dibromofluoromethane	50	48.7	97		70 (75)	130 (124)
		Toluene-d8	50	46.4	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.1	88		70 (77)	130 (121)
Q3552-03	MW-9	1,2-Dichloroethane-d4	50	54.1	108		70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98		70 (75)	130 (124)
		Toluene-d8	50	44.9	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.7	91		70 (77)	130 (121)
Q3552-04	MW-10	1,2-Dichloroethane-d4	50	57.0	114		70 (74)	130 (125)
		Dibromofluoromethane	50	50.1	100		70 (75)	130 (124)
		Toluene-d8	50	45.6	91		70 (86)	130 (113)
		4-Bromofluorobenzene	50	42.1	84		70 (77)	130 (121)
Q3552-05	MW-3	1,2-Dichloroethane-d4	50	55.9	112		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98		70 (77)	130 (121)
Q3552-06	TB	1,2-Dichloroethane-d4	50	57.8	116		70 (74)	130 (125)
		Dibromofluoromethane	50	48.3	97		70 (75)	130 (124)
		Toluene-d8	50	46.9	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.5	87		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)
		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)
VV1105WBSD0	VV1105WBSD01	1,2-Dichloroethane-d4	50	52.0	104		70 (74)	130 (125)
		Dibromofluoromethane	50	51.5	103		70 (75)	130 (124)
		Toluene-d8	50	53.8	108		70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.1	108		70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3552 **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.: Q3552 **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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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3552 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039332.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VV1105WBSD01	Dichlorodifluoromethane	20	16.8	ug/L	84	1		40 (69)	160 (116)	20 (19)
	Chloromethane	20	17.6	ug/L	88	1		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	17.9	ug/L	90	1		70 (65)	130 (117)	20 (19)
	Bromomethane	20	17.9	ug/L	90	3		40 (58)	160 (125)	20 (20)
	Chloroethane	20	21.4	ug/L	107	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.4	ug/L	92	2		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96	0		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	18.0	ug/L	90	2		70 (74)	130 (110)	20 (20)
	Acetone	100	110	ug/L	110	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.2	ug/L	91	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.9	ug/L	100	6		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	17.0	ug/L	85	4		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	21.5	ug/L	108	3		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.6	ug/L	93	0		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.1	ug/L	96	2		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.2	ug/L	101	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	5		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	19.6	ug/L	98	0		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	19.9	ug/L	100	3		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.3	ug/L	97	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.1	ug/L	96	1		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.5	ug/L	98	1		70 (72)	130 (115)	20 (20)
	Benzene	20	20.0	ug/L	100	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	19.3	ug/L	97	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.5	ug/L	98	2		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	20.8	ug/L	104	0		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	19.6	ug/L	98	1		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	100	ug/L	100	0		40 (74)	160 (118)	20 (25)
	Toluene	20	21.3	ug/L	106	2		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	20.7	ug/L	104	3		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.9	ug/L	104	0		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	20.3	ug/L	102	3		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	10		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	20.0	ug/L	100	0		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.1	ug/L	101	0		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	20.1	ug/L	101	0		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	20.1	ug/L	101	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	20.4	ug/L	102	0		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	43.2	ug/L	108	1		70 (82)	130 (110)	20 (15)
	o-Xylene	20	21.4	ug/L	107	3		70 (83)	130 (109)	20 (20)
	Styrene	20	22.1	ug/L	111	1		70 (80)	130 (111)	20 (17)
	Bromoform	20	19.7	ug/L	99	0		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	21.0	ug/L	105	1		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	18.1	ug/L	91	1		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.0	ug/L	100	0		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.2	ug/L	96	2		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	19.5	ug/L	98	2		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3552**	**Analytical Method:**	**SW8260-Low**
Client:	**Remington & Vernick Engineers**	**Datafile :**	VV039332.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VV1105WBSD01	1,2-Dibromo-3-Chloropropane	20	17.4	ug/L	87	1		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.8	ug/L	99	1		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.5	ug/L	98	0		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VV1105WBL01

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3552

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
VV1105WBSD01	VV1105WBSD01	VV039332.D	11/05/2025
TB	Q3552-06	VV039337.D	11/05/2025
MW-8	Q3552-02	VV039338.D	11/05/2025
MW-9	Q3552-03	VV039339.D	11/05/2025
MW-10	Q3552-04	VV039340.D	11/05/2025
MW-3	Q3552-05	VV039341.D	11/05/2025
MW-4	Q3552-01	VV039342.D	11/05/2025

COMMENTS:

Raw Data: **VV039281.D**

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG NO.: Q3552
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: **VV039327.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG NO.: Q3552
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
VV1105WBSD01	VV1105WBSD01	VV039332.D	11/05/2025	13:17
TB	Q3552-06	VV039337.D	11/05/2025	15:50
MW-8	Q3552-02	VV039338.D	11/05/2025	16:13
MW-9	Q3552-03	VV039339.D	11/05/2025	16:35
MW-10	Q3552-04	VV039340.D	11/05/2025	16:58
MW-3	Q3552-05	VV039341.D	11/05/2025	17:20
MW-4	Q3552-01	VV039342.D	11/05/2025	17:43

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3552

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-4	698591	4.60	1269452	5.53	1250476	8.77
MW-8	905091	4.60	1744740	5.53	1630594	8.77
MW-9	677683	4.60	1221893	5.53	1164477	8.77
MW-10	602545	4.60	1106968	5.53	1064655	8.77
MW-3	929578	4.60	1730000	5.53	1622898	8.77
TB	856878	4.60	1636404	5.53	1498704	8.77
VV1105WBL01	856812	4.60	1628447	5.53	1466262	8.77
VV1105WBS01	708659	4.60	1110235	5.53	1080434	8.77
VV1105WBSD01	690271	4.60	1108460	5.53	1064992	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.: Q3552

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-4	611666	11.17				
MW-8	725279	11.17				
MW-9	566941	11.17				
MW-10	465301	11.17				
MW-3	753769	11.17				
TB	661803	11.17				
VV1105WBL01	623984	11.17				
VV1105WBS01	614058	11.17				
VV1105WBSD01	609759	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: **VV039342.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:	11/05/25
Client Sample ID:	MW-4	SDG No.:	Q3552
Lab Sample ID:	Q3552-01	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	1.60		1	0.22	1.00	ug/L	11/05/25 17:43	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 17:43	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 17:43	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 17:43	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 17:43	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 17:43	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:43	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:43	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 17:43	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 17:43	VV110525
1634-04-4	Methyl tert-butyl Ether	1.10		1	0.16	1.00	ug/L	11/05/25 17:43	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 17:43	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 17:43	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:43	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:43	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 17:43	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 17:43	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:43	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 17:43	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:43	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:43	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:43	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:43	VV110525
71-43-2	Benzene	45.7		1	0.15	1.00	ug/L	11/05/25 17:43	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:43	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 17:43	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:43	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:43	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 17:43	VV110525
108-88-3	Toluene	0.57	J	1	0.14	1.00	ug/L	11/05/25 17:43	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 17:43	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:43	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 17:43	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 17:43	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 17:43	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 17:43	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:43	VV110525
108-90-7	Chlorobenzene	29.6		1	0.12	1.00	ug/L	11/05/25 17:43	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 17:43	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 17:43	VV110525
95-47-6	o-Xylene	1.70		1	0.12	1.00	ug/L	11/05/25 17:43	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 17:43	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 17:43	VV110525

Raw Data: **VV039342.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-4	SDG No.:	Q3552
Lab Sample ID:	Q3552-01	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	68.6		1	0.12	1.00	ug/L	11/05/25 17:43	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 17:43	VV110525
541-73-1	1,3-Dichlorobenzene	0.61	J	1	0.16	1.00	ug/L	11/05/25 17:43	VV110525
106-46-7	1,4-Dichlorobenzene	7.40		1	0.19	1.00	ug/L	11/05/25 17:43	VV110525
95-50-1	1,2-Dichlorobenzene	0.85	J	1	0.16	1.00	ug/L	11/05/25 17:43	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 17:43	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:43	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:43	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.9			70 (74) - 130 (125)	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			70 (75) - 130 (124)	102%	SPK: 50		
2037-26-5	Toluene-d8	47.7			70 (86) - 130 (113)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.1			70 (77) - 130 (121)	112%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	699000							
540-36-3	1,4-Difluorobenzene	1270000							
3114-55-4	Chlorobenzene-d5	1250000							
3855-82-1	1,4-Dichlorobenzene-d4	612000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	9.50	J			1.92	ug/L		
75-65-0	Tert butyl alcohol	610	J			2.56	ug/L		
109-99-9	Tetrahydrofuran	89.8	J			4.24	ug/L		
000110-01-0	Thiophene, tetrahydro-	54.2	J			8.13	ug/L		
103-65-1	n-propylbenzene	2.80	J			10.3	ug/L		
95-49-8	2-Chlorotoluene	0.73	J			10.4	ug/L		
000470-67-7	7-Oxabicyclo[2.2.1]heptane, 1-meth	5.80	J			11.0	ug/L		
104-51-8	n-Butylbenzene	0.68	J			11.6	ug/L		

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

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

Sample Results: **VV039342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 00:19:07 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-4

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	698591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1269452	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1250476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	611666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	564955	56.913	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 113.820%			
35) Dibromofluoromethane	4.500	113	509320	50.920	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 101.840%			
50) Toluene-d8	7.236	98	1621615	47.656	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 95.320%			
62) 4-Bromofluorobenzene	9.998	95	679674	56.085	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 112.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.124	85	13937	1.578	ug/l	93
8) Diethyl Ether	1.921	74	55233	9.540	ug/l	96
11) Tert butyl alcohol	2.561	59	1178206	612.457	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	31713	1.119	ug/l #	87
29) Tetrahydrofuran	4.239	42	348572	89.803	ug/l	98
40) Benzene	5.008	78	1840462	45.655	ug/l	100
52) Toluene	7.320	92	13960	0.574	ug/l	99
65) Chlorobenzene	8.802	112	875724	29.583	ug/l	100
69) o-Xylene	9.471	106	25439	1.666	ug/l	99
73) Isopropylbenzene	9.853	105	2547351	68.582	ug/l	100
78) n-propylbenzene	10.281	91	127212	2.823	ug/l	100
79) 2-Chlorotoluene	10.352	91	20387m	0.733	ug/l	
87) 1,3-Dichlorobenzene	11.117	146	12328	0.605	ug/l	94
88) 1,4-Dichlorobenzene	11.197	146	169419	7.433	ug/l	98
89) n-Butylbenzene	11.580	91	21264m	0.679	ug/l	
91) 1,2-Dichlorobenzene	11.574	146	16468	0.850	ug/l	96

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

Sample Results: **VV039342.D**

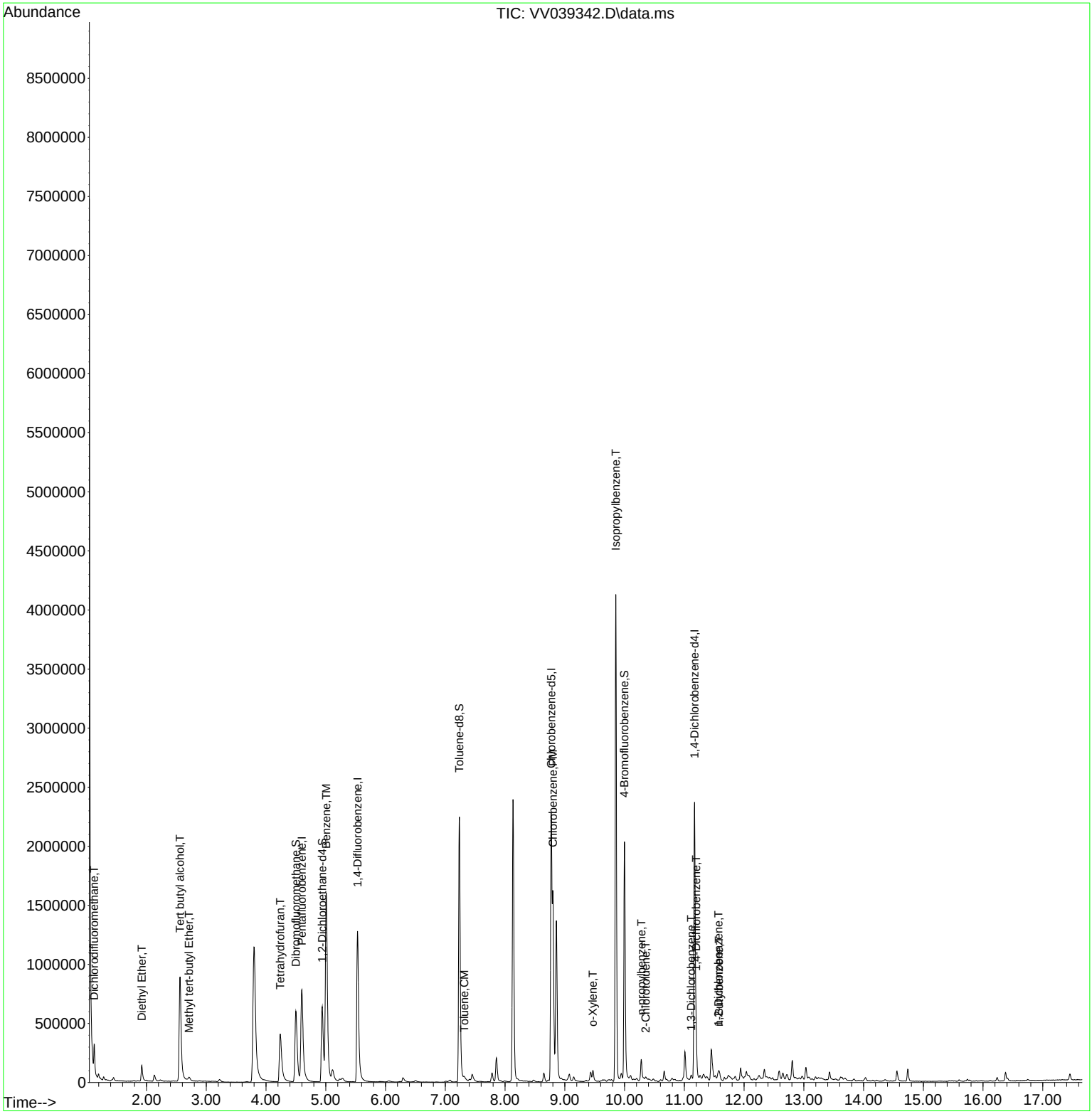
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

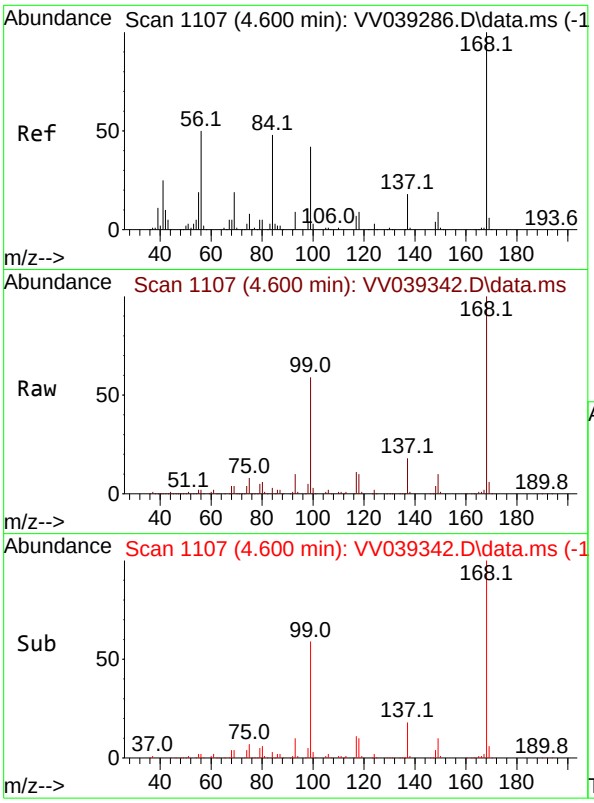
Quant Time: Nov 06 00:19:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-4

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

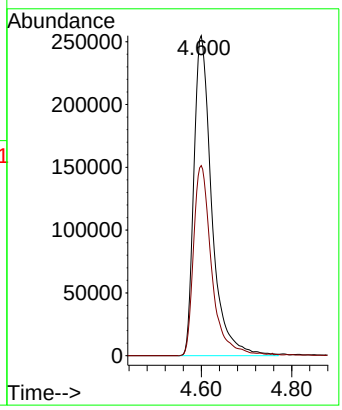




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:168 Resp: 69859

Ion	Ratio	Lower	Upper
168	100		
99	59.4	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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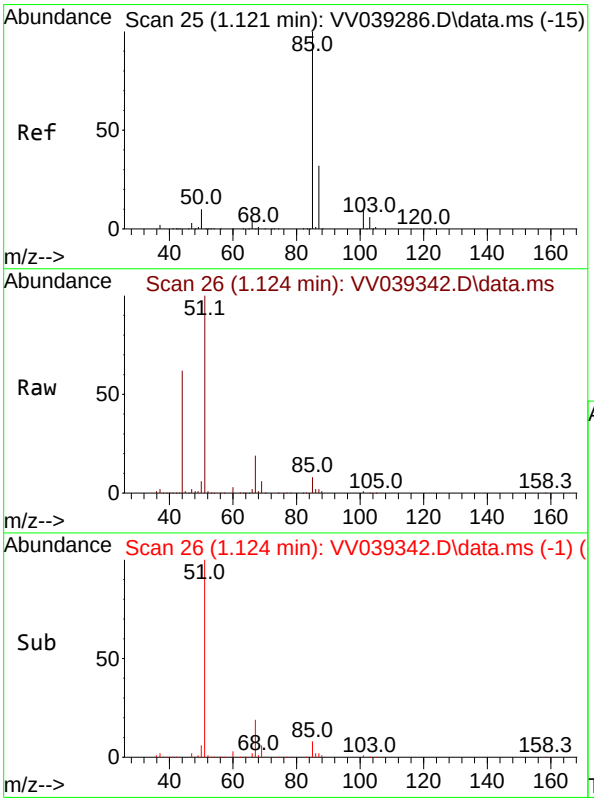
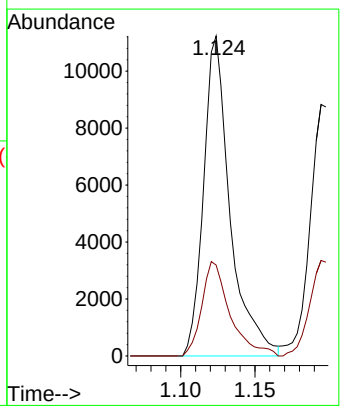
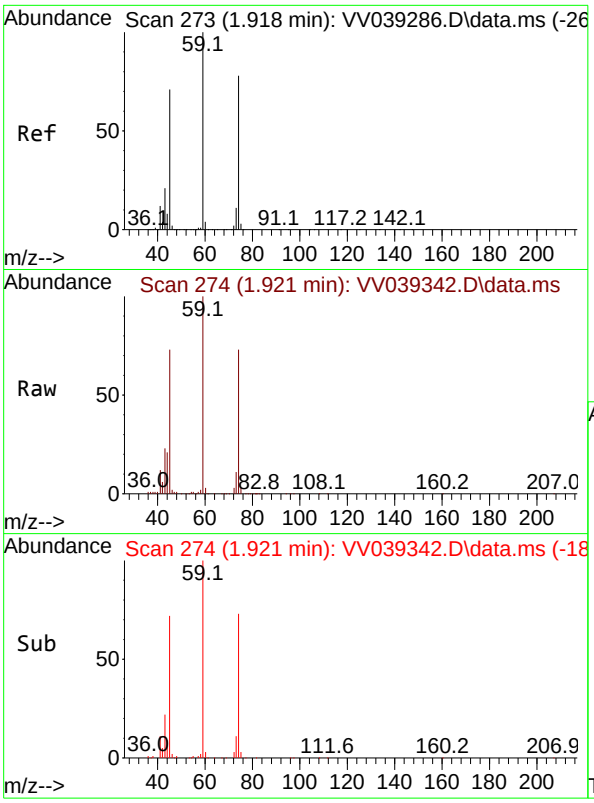


#2
Dichlorodifluoromethane
Concen: 1.578 ug/l
RT: 1.124 min Scan# 26
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 85 Resp: 13937

Ion	Ratio	Lower	Upper
85	100		
87	28.4	16.1	48.2

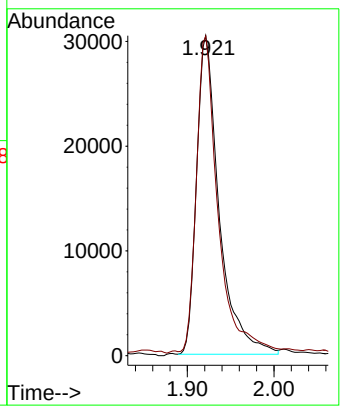




#8
Diethyl Ether
Concen: 9.540 ug/l
RT: 1.921 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 74 Resp: 5523

Ion	Ratio	Lower	Upper
74	100		
45	95.8	45.9	137.7



Instrument :
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ClientSampleId :
MW-4

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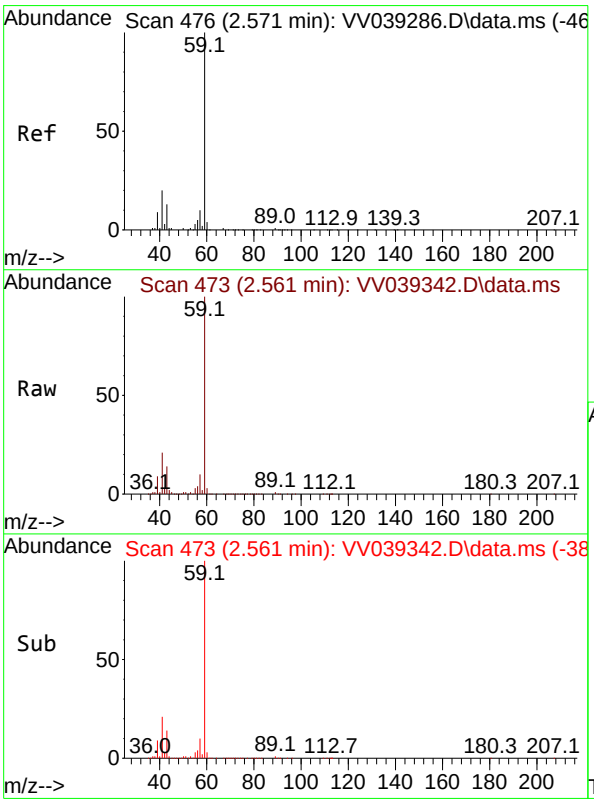
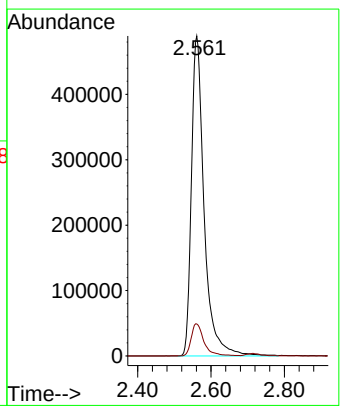
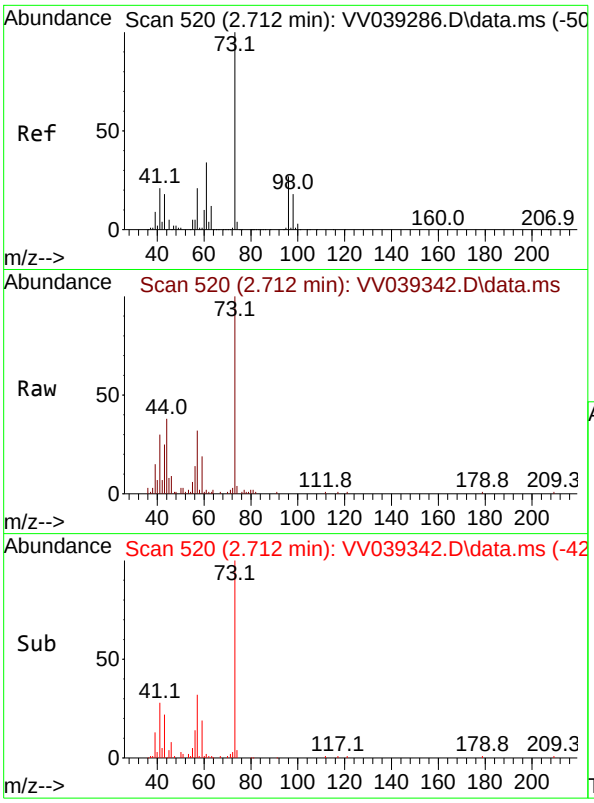


#11
Tert butyl alcohol
Concen: 612.457 ug/l
RT: 2.561 min Scan# 473
Delta R.T. -0.010 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 59 Resp: 1178206

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

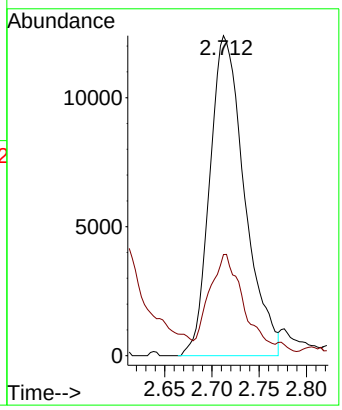




#19
Methyl tert-butyl Ether
Concen: 1.119 ug/l
RT: 2.712 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 73 Resp: 3171

Ion	Ratio	Lower	Upper
73	100		
57	27.5	17.0	25.6



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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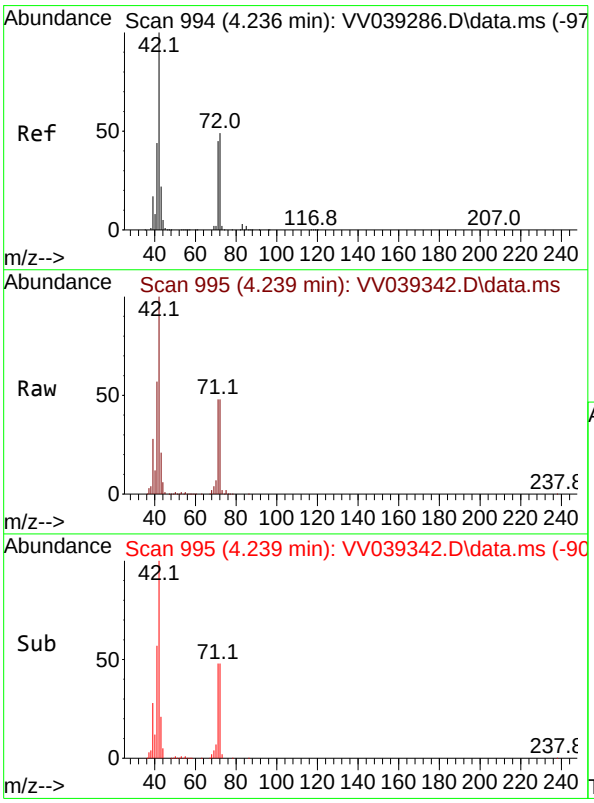
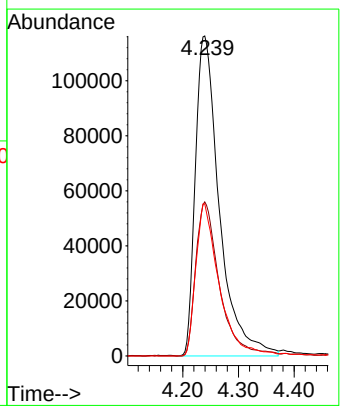
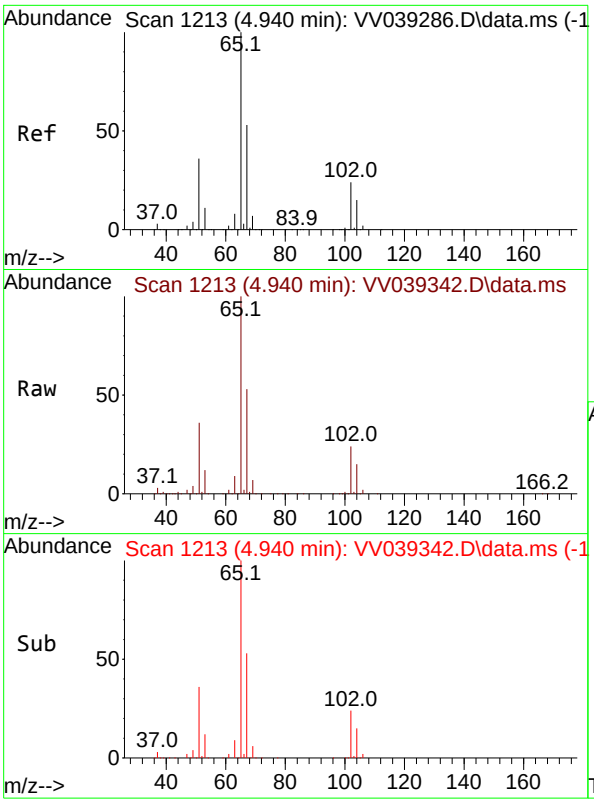


#29
Tetrahydrofuran
Concen: 89.803 ug/l
RT: 4.239 min Scan# 995
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 42 Resp: 348572

Ion	Ratio	Lower	Upper
42	100		
72	47.6	39.8	59.8
71	46.2	36.5	54.7

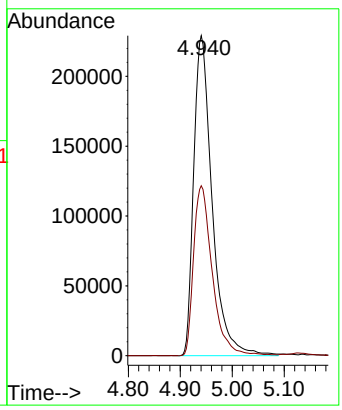




#33
1,2-Dichloroethane-d4
Concen: 56.913 ug/l
RT: 4.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 65 Resp: 56495

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.4



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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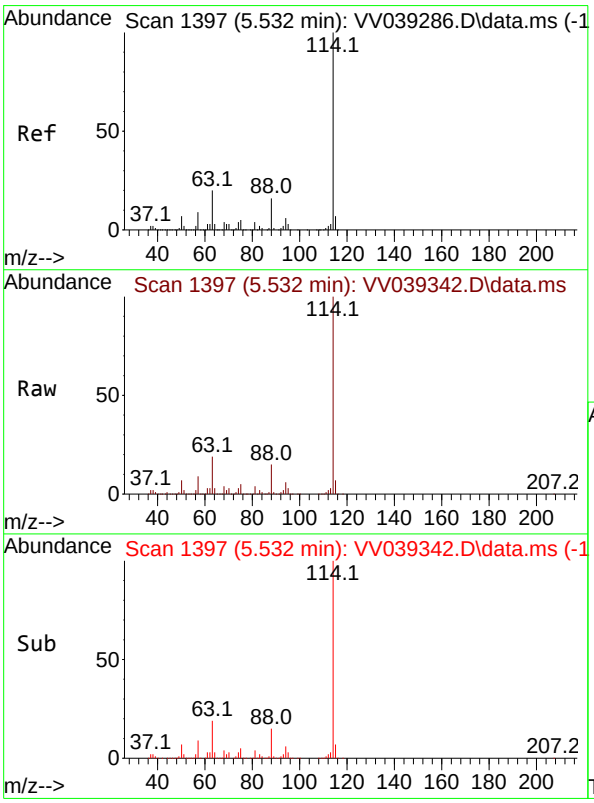
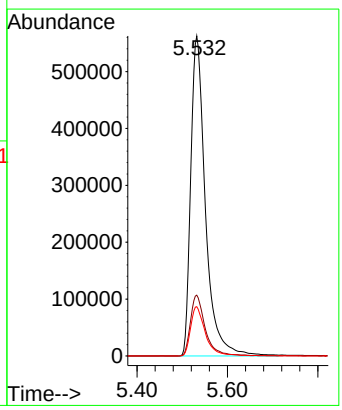
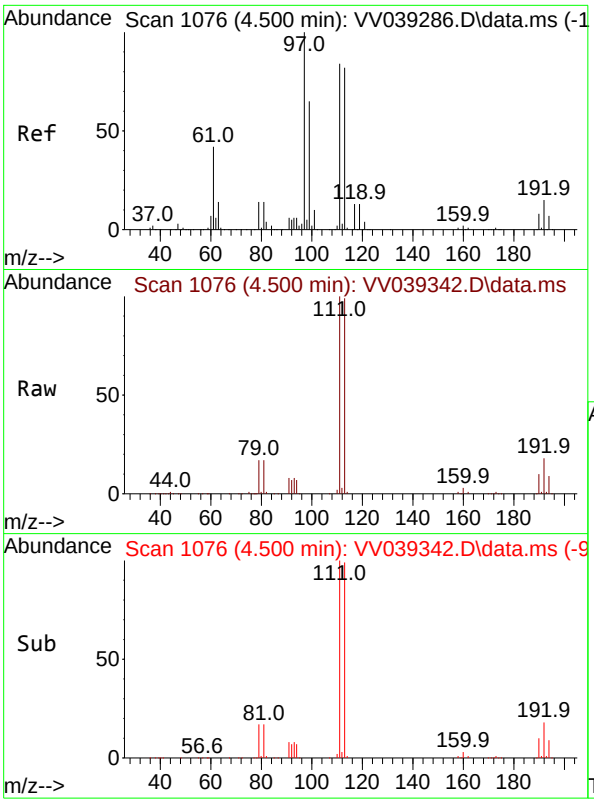


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:114 Resp: 1269452

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.6
88	15.4	0.0	31.6

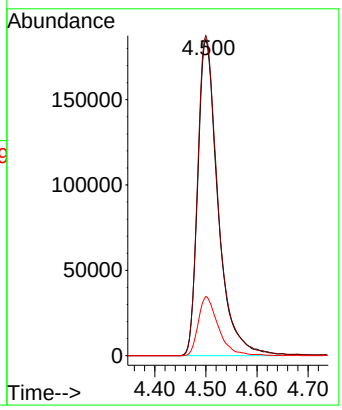




#35
Dibromofluoromethane
Concen: 50.920 ug/l
RT: 4.500 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:113 Resp: 50932(

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	18.4	14.3	21.5



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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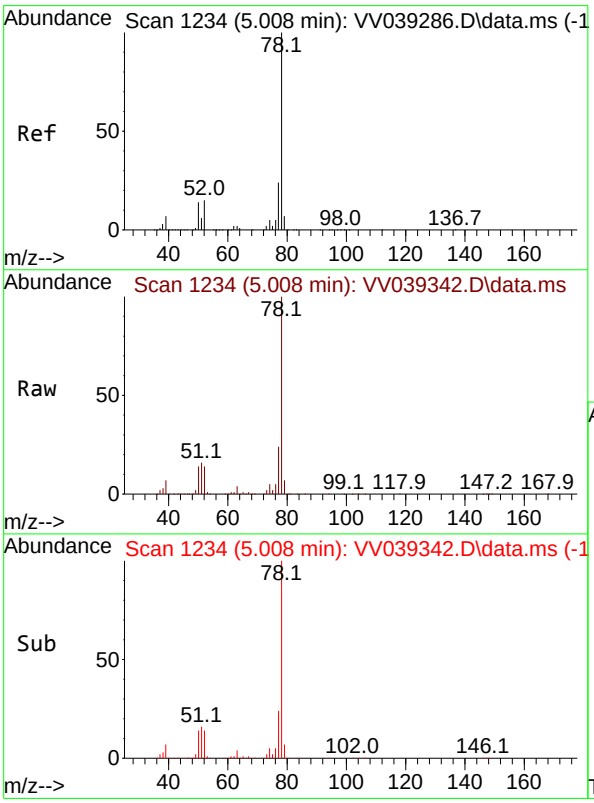
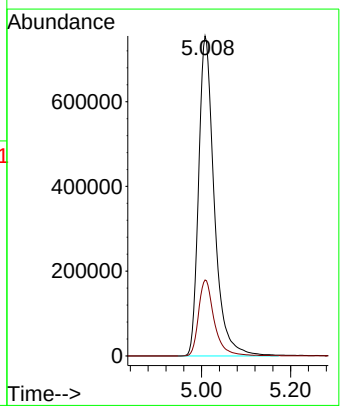
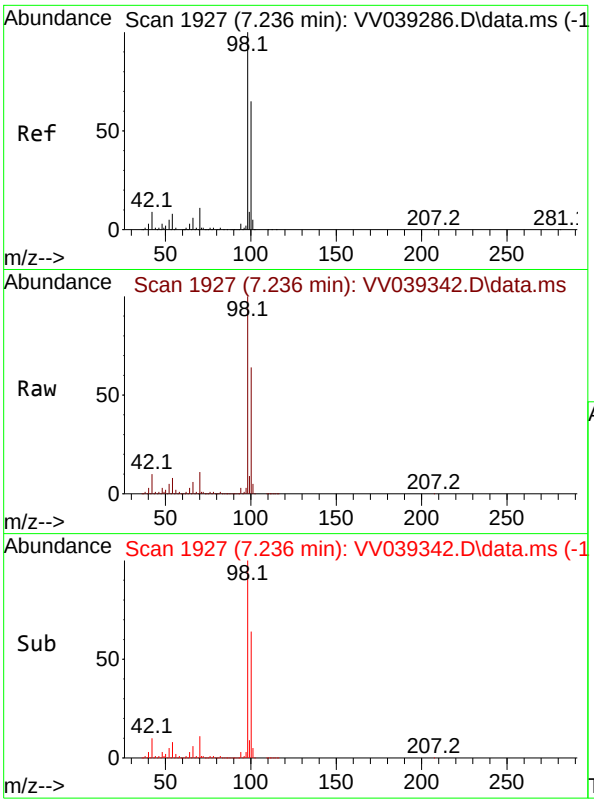


#40
Benzene
Concen: 45.655 ug/l
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 78 Resp: 1840462

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





#50
Toluene-d8
Concen: 47.656 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 98 Resp: 162161

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2

Instrument :
MSVOA_V
ClientSampleId :
MW-4

Manual Integrations
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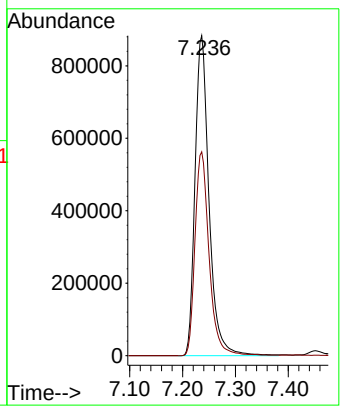
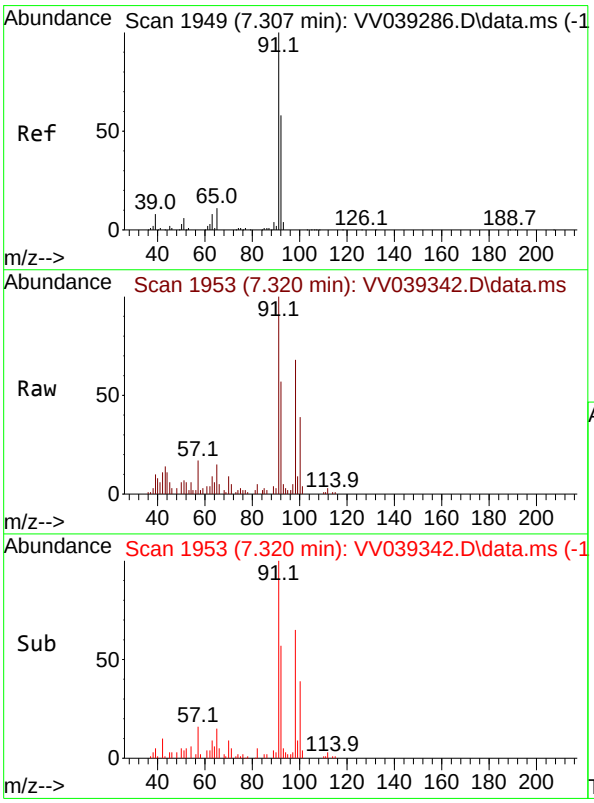
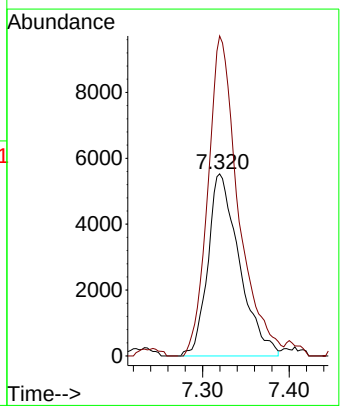


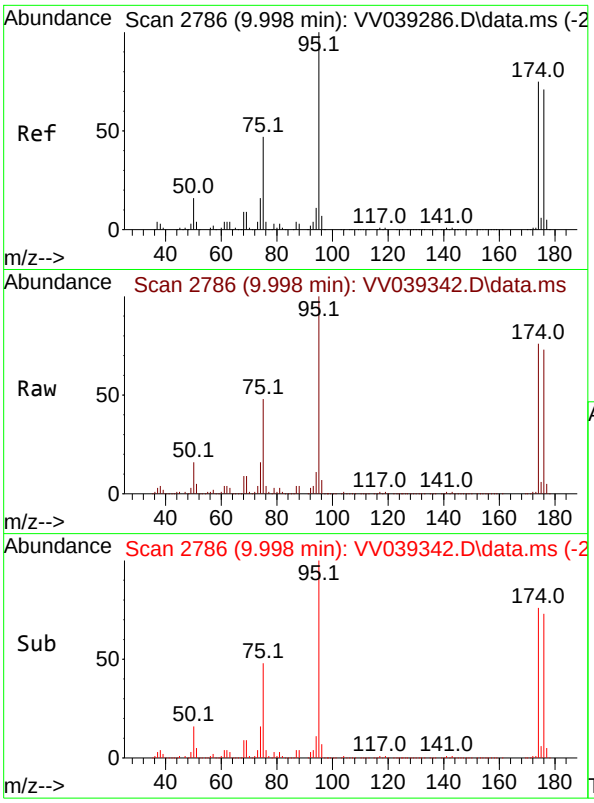


#52
Toluene
Concen: 0.574 ug/l
RT: 7.320 min Scan# 1953
Delta R.T. 0.013 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 92 Resp: 13960

Ion	Ratio	Lower	Upper
92	100		
91	169.8	137.3	205.9

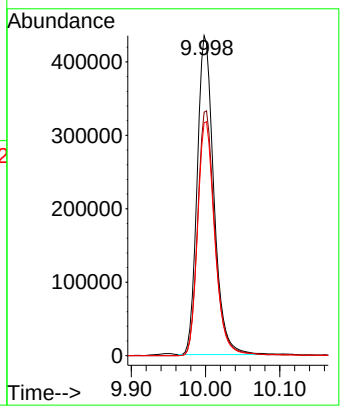




#62
4-Bromofluorobenzene
Concen: 56.085 ug/l
RT: 9.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 95 Resp: 67967

Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	153.6
176	75.3	0.0	146.0



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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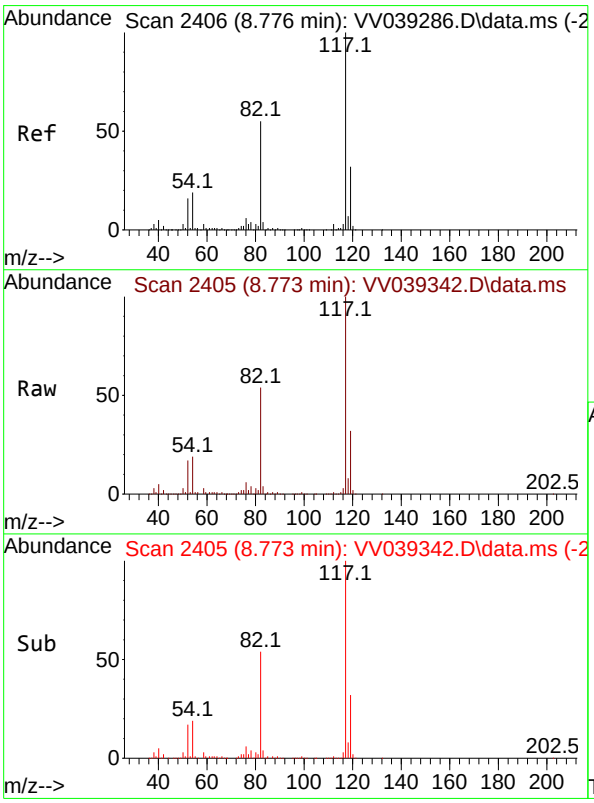
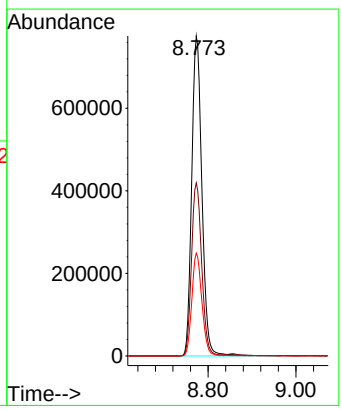
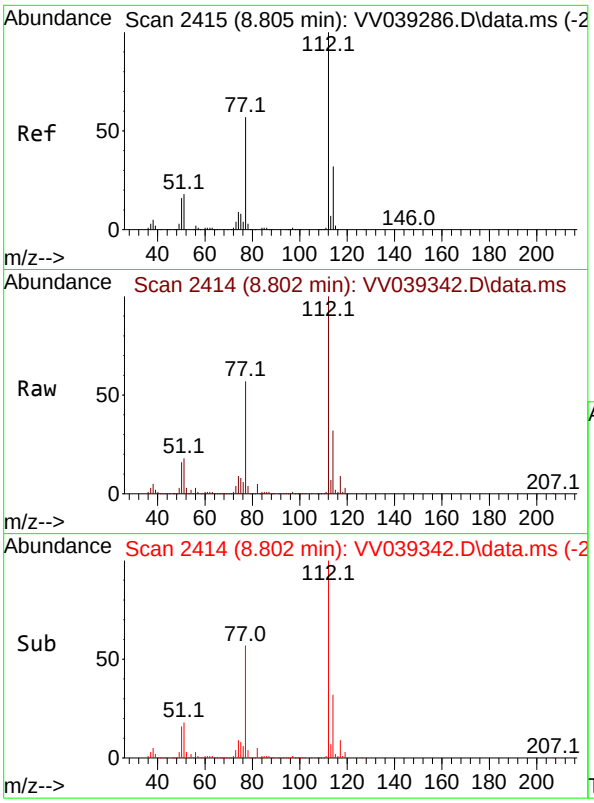


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:117 Resp: 1250476

Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.8
119	32.1	25.8	38.6

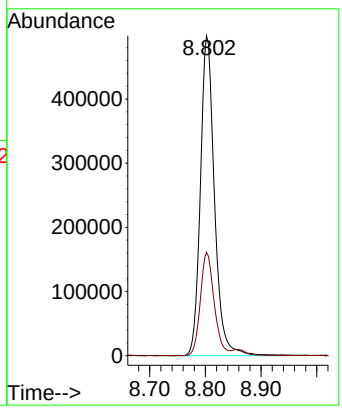




#65
Chlorobenzene
Concen: 29.583 ug/l
RT: 8.802 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:112 Resp: 87572

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.7	38.5



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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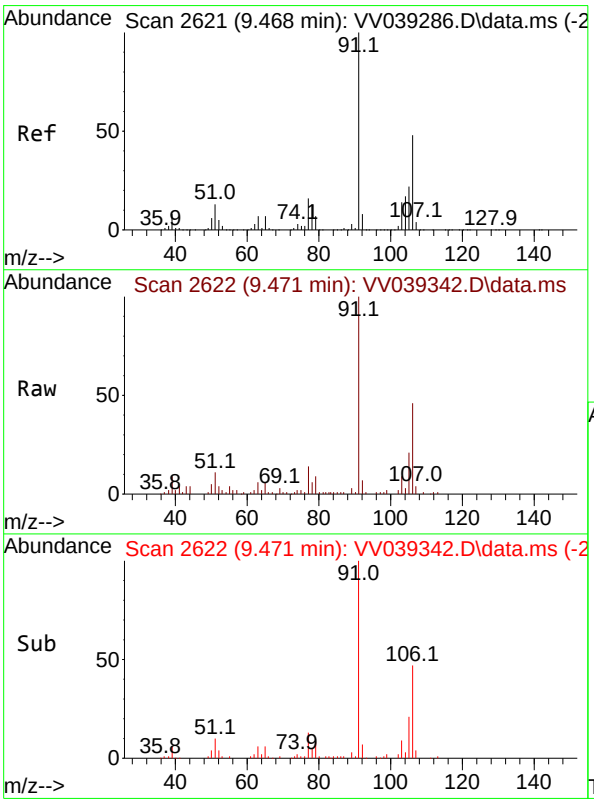
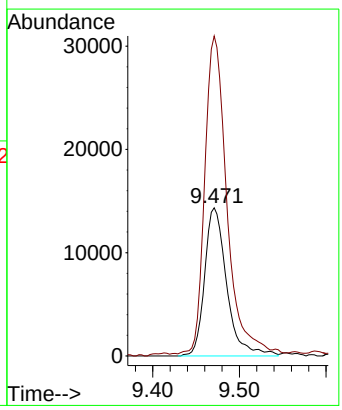
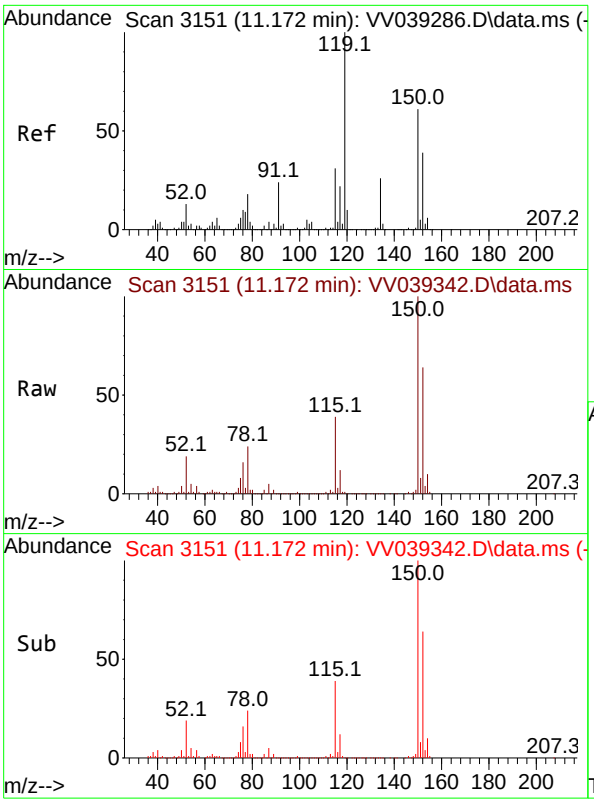


#69
o-Xylene
Concen: 1.666 ug/l
RT: 9.471 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:106 Resp: 25439

Ion	Ratio	Lower	Upper
106	100		
91	213.5	105.8	317.3

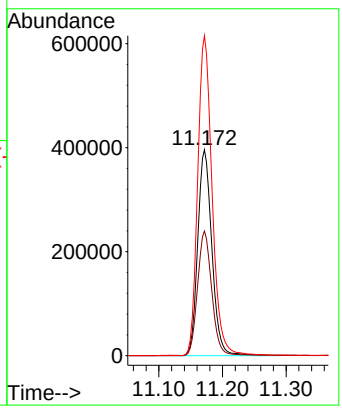




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:152 Resp: 61166

Ion	Ratio	Lower	Upper
152	100		
115	60.5	42.3	126.8
150	158.2	0.0	348.0



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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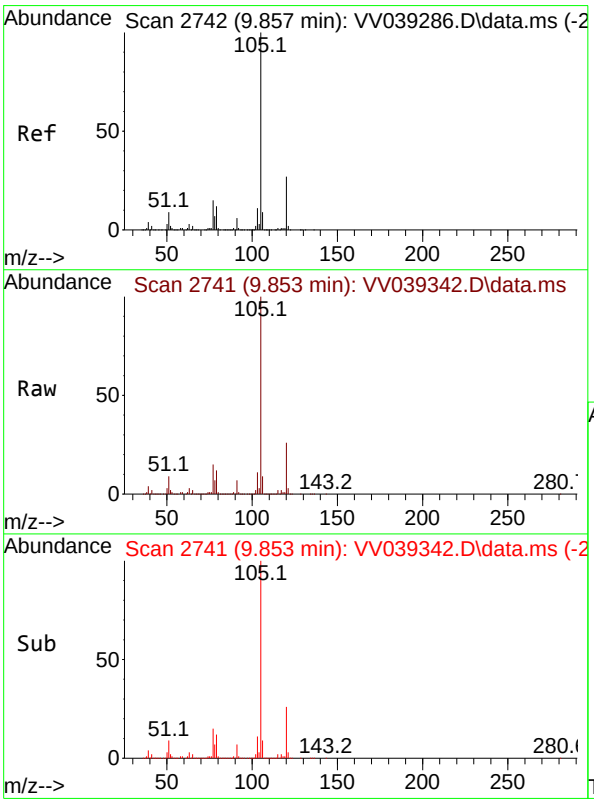
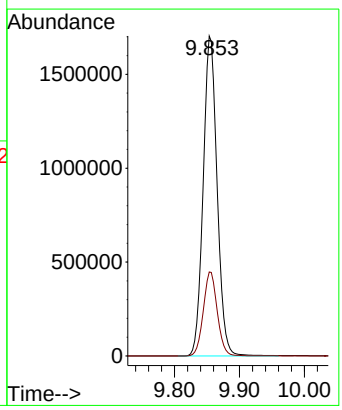
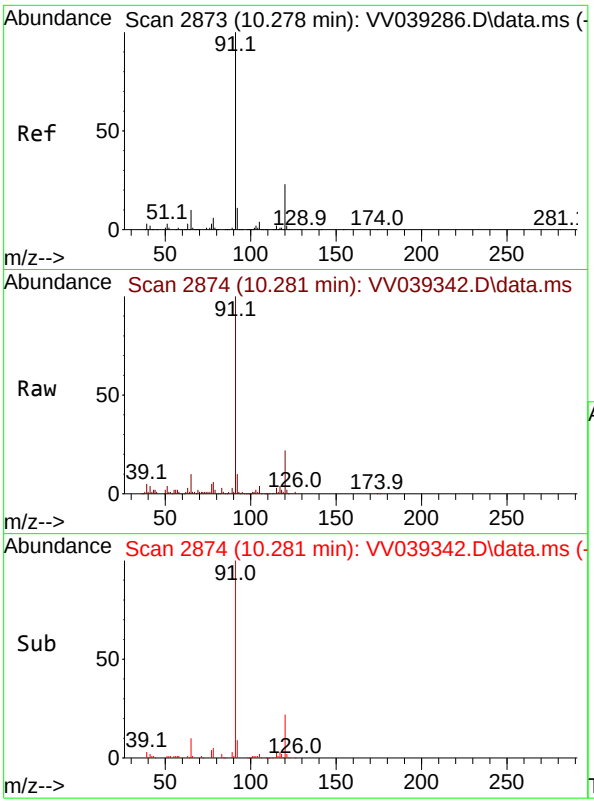


#73
Isopropylbenzene
Concen: 68.582 ug/l
RT: 9.853 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:105 Resp: 2547351

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5





#78
n-propylbenzene
Concen: 2.823 ug/l
RT: 10.281 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 91 Resp: 12721

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5

Instrument :
MSVOA_V
ClientSampleId :
MW-4

Manual Integrations
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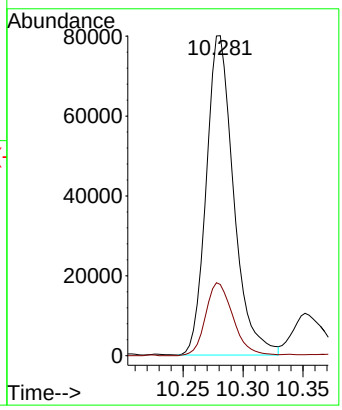
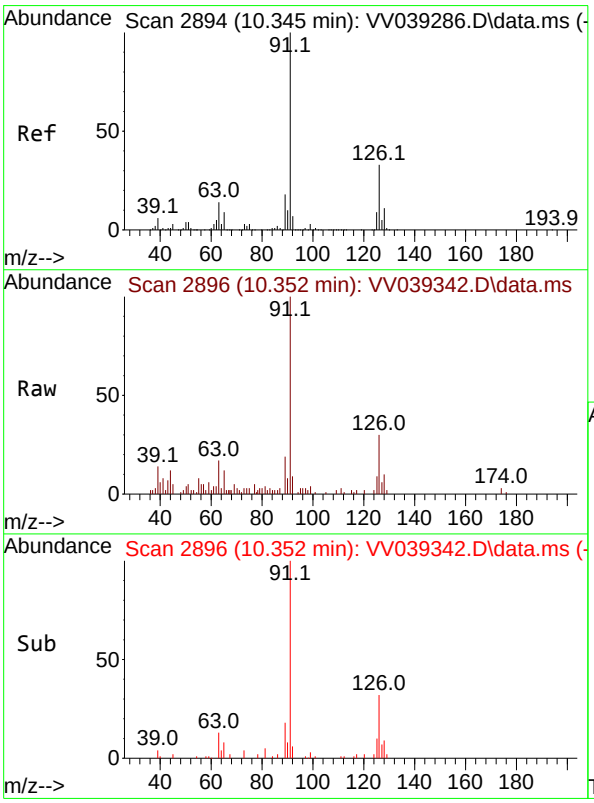
Supervised By :Mahesh Dadoda 11/06/2025

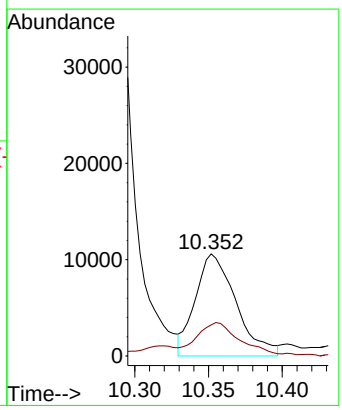


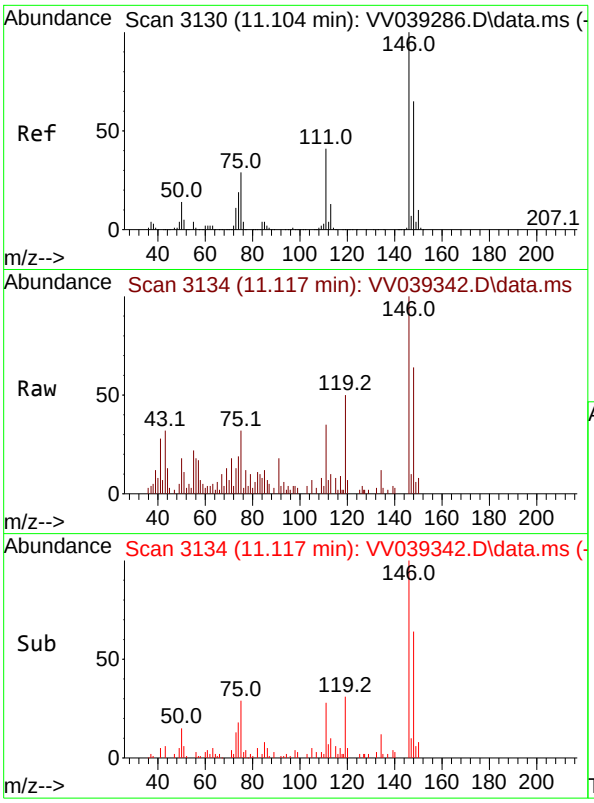


#79
2-Chlorotoluene
Concen: 0.733 ug/l m
RT: 10.352 min Scan# 2896
Delta R.T. 0.006 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 91 Resp: 20387

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.9	50.6#

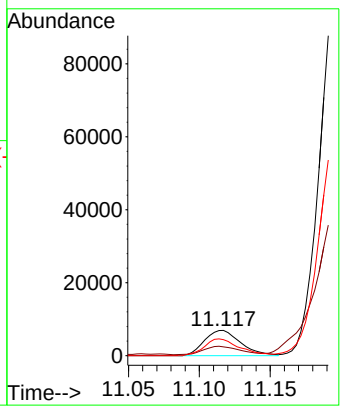




#87
1,3-Dichlorobenzene
Concen: 0.605 ug/l
RT: 11.117 min Scan# 3
Delta R.T. 0.013 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:146 Resp: 1232

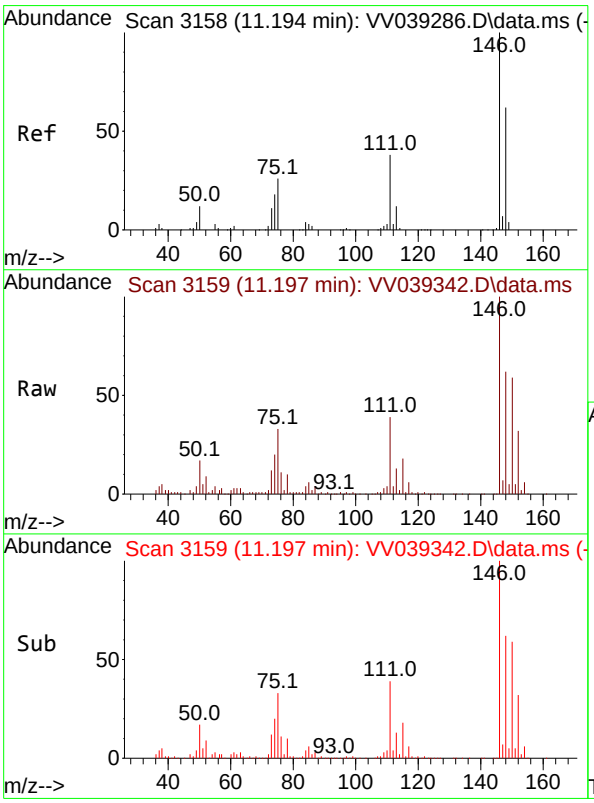
Ion	Ratio	Lower	Upper
146	100		
111	33.5	20.6	61.8
148	64.9	31.9	95.9



Instrument :
MSVOA_V
ClientSampleId :
MW-4

Manual Integrations
APPROVED

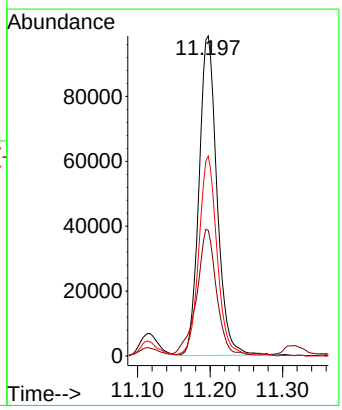
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

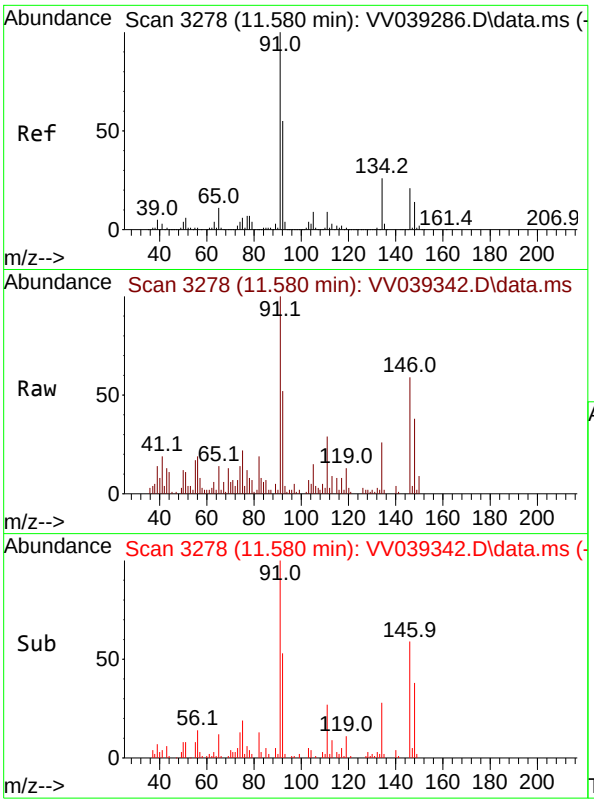


#88
1,4-Dichlorobenzene
Concen: 7.433 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:146 Resp: 169419

Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.7	59.0
148	62.9	31.5	94.5

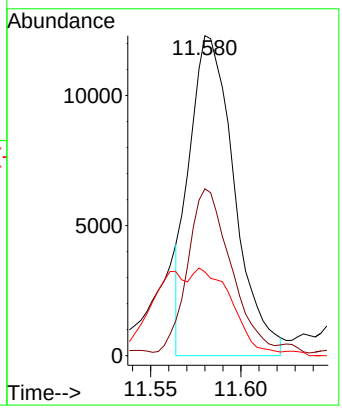




#89
n-Butylbenzene
Concen: 0.679 ug/l m
RT: 11.580 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 91 Resp: 2126

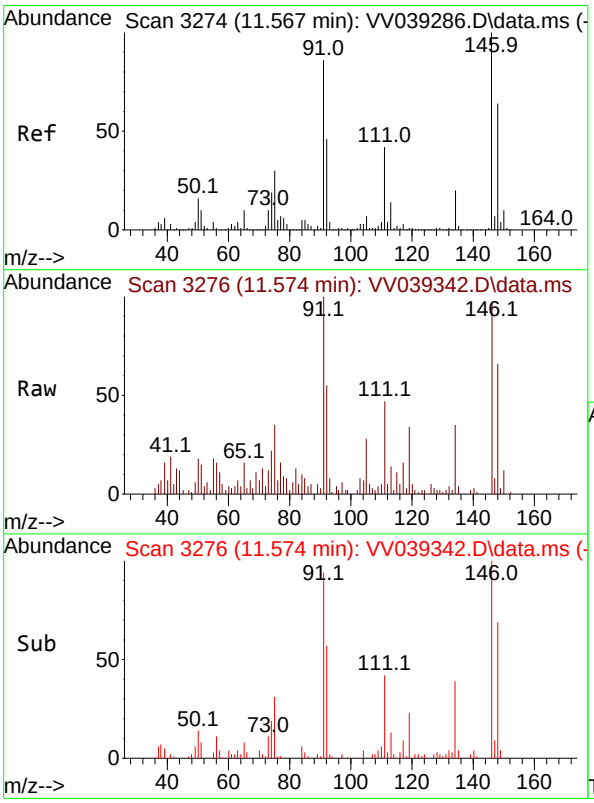
Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.9	80.6
134	20.1	12.6	37.8



Instrument :
MSVOA_V
ClientSampleId :
MW-4

Manual Integrations
APPROVED

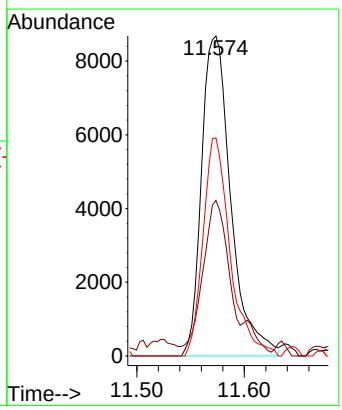
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025



#91
1,2-Dichlorobenzene
Concen: 0.850 ug/l
RT: 11.574 min Scan# 3276
Delta R.T. 0.006 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:146 Resp: 16468

Ion	Ratio	Lower	Upper
146	100		
111	37.7	21.3	64.0
148	62.9	31.9	95.7



LSC Area Percent Report

Sample Results: **VV039342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

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: VV039342.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	22	26	43	rVB	279427	389156	6.28%	0.733%
2	1.921	265	274	291	rBV	134250	233856	3.78%	0.441%
3	2.130	329	339	355	rBV2	51600	108529	1.75%	0.204%
4	2.561	458	473	506	rBV	883476	2126601	34.34%	4.007%
5	3.799	835	858	906	rBV	1145605	3770137	60.89%	7.103%
6	4.239	982	995	1037	rBV	402184	1204399	19.45%	2.269%
7	4.500	1061	1076	1095	rBV	595715	1572344	25.39%	2.962%
8	4.600	1095	1107	1152	rVB	776512	2162046	34.92%	4.073%
9	4.940	1200	1213	1223	rBV	636645	1434763	23.17%	2.703%
10	5.008	1223	1234	1258	rVV	1596459	3923960	63.37%	7.393%
11	5.111	1259	1266	1293	rVB4	92550	271706	4.39%	0.512%
12	5.532	1384	1397	1437	rBV	1275167	2902645	46.88%	5.469%
13	6.291	1625	1633	1647	rBV	34254	75329	1.22%	0.142%
14	7.236	1915	1927	1947	rBV	2240271	4122842	66.58%	7.768%
15	7.448	1986	1993	2022	rVB	62294	162685	2.63%	0.307%
16	7.783	2085	2097	2110	rBV3	75306	145256	2.35%	0.274%
17	7.857	2110	2120	2138	rVV	197481	373231	6.03%	0.703%
18	8.133	2194	2206	2229	rBV2	2384385	4199760	67.83%	7.912%
19	8.648	2356	2366	2380	rBV	72908	136467	2.20%	0.257%
20	8.773	2395	2405	2411	rBV	2264880	3873064	62.55%	7.297%
21	8.860	2423	2432	2453	rVB	1337759	2417567	39.04%	4.555%
22	9.075	2488	2499	2510	rVB7	52649	100530	1.62%	0.189%
23	9.435	2597	2611	2616	rBV2	75595	134128	2.17%	0.253%
24	9.471	2616	2622	2642	rVB2	91627	169218	2.73%	0.319%
25	9.853	2729	2741	2759	rBV	4121306	6191891	100.00%	11.666%
26	9.998	2777	2786	2809	rBV	1998928	3147325	50.83%	5.930%
27	10.281	2863	2874	2885	rBV	177564	304023	4.91%	0.573%
28	10.664	2984	2993	3002	rBV2	81988	131830	2.13%	0.248%
29	11.011	3083	3101	3121	rBV4	244834	485976	7.85%	0.916%
30	11.172	3140	3151	3174	rBV2	2336684	4178960	67.49%	7.873%
31	11.451	3228	3238	3253	rBV2	257379	534990	8.64%	1.008%
32	11.577	3267	3277	3298	rVB8	84335	237415	3.83%	0.447%
33	11.738	3321	3327	3347	rVB8	33945	97133	1.57%	0.183%
34	11.943	3382	3391	3406	rBV2	98092	189566	3.06%	0.357%
35	12.252	3474	3487	3499	rBV8	33557	82123	1.33%	0.155%
36	12.342	3507	3515	3523	rBV3	73126	112112	1.81%	0.211%

Sample Results: **VV039342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

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	12.586	3582	3591	3602	rBV8	72529	134395	2.17%	0.253%
38	12.651	3602	3611	3622	rVB	51039	92196	1.49%	0.174%
39	12.718	3623	3632	3646	rVB8	44318	98067	1.58%	0.185%
40	12.808	3649	3660	3671	rBV3	159868	279480	4.51%	0.527%
41	13.037	3722	3731	3740	rBV4	98180	165539	2.67%	0.312%
42	13.429	3846	3853	3865	rBV	62628	97462	1.57%	0.184%
43	14.557	4196	4204	4223	rVB	83339	145634	2.35%	0.274%
44	14.741	4252	4261	4279	rVB2	99870	163860	2.65%	0.309%
45	16.377	4761	4770	4777	rBV2	69865	114211	1.84%	0.215%
46	17.454	5097	5105	5118	rVB3	48722	83446	1.35%	0.157%

Sum of corrected areas: 53077853

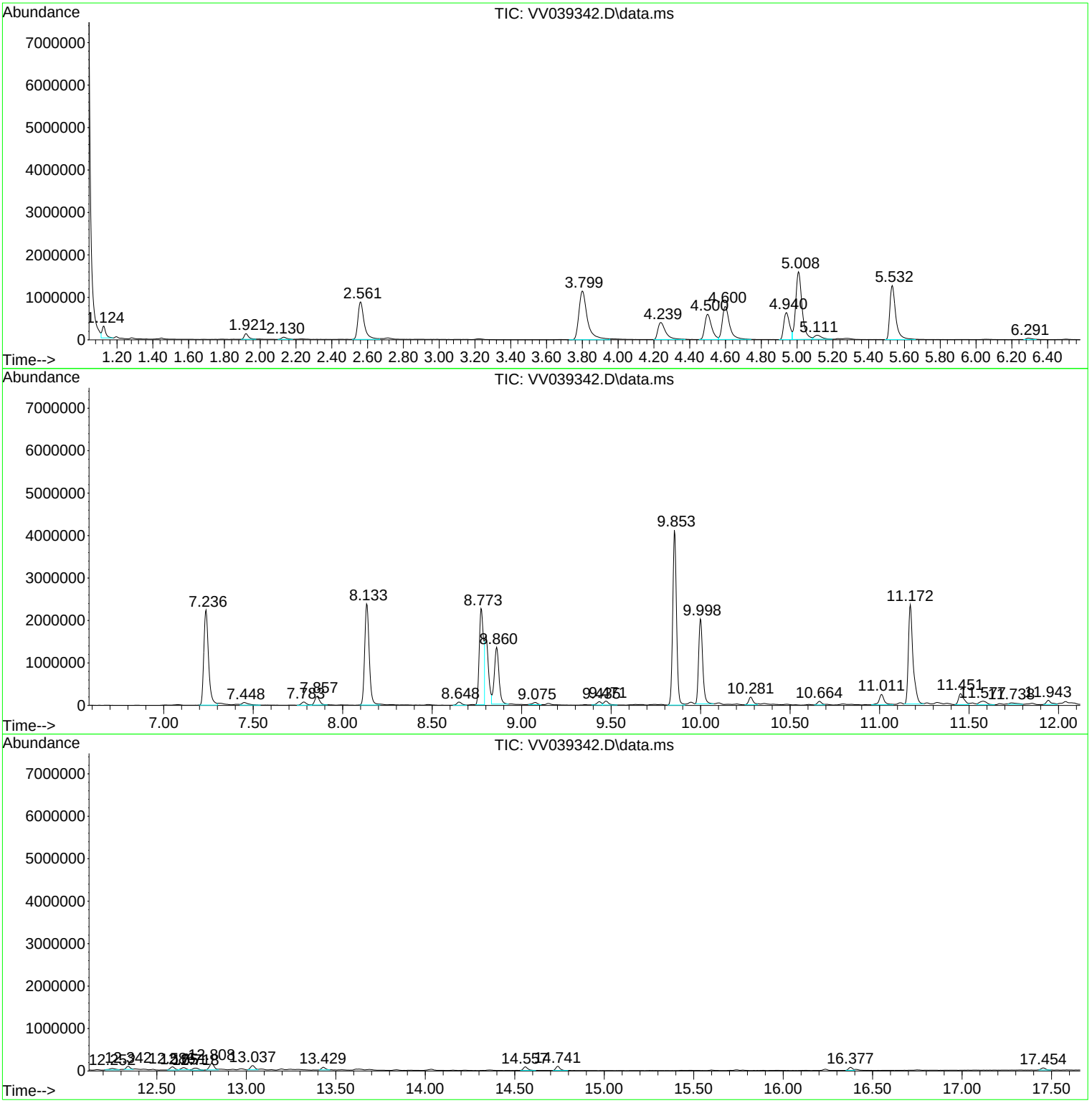
Sample Results: **VV039342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

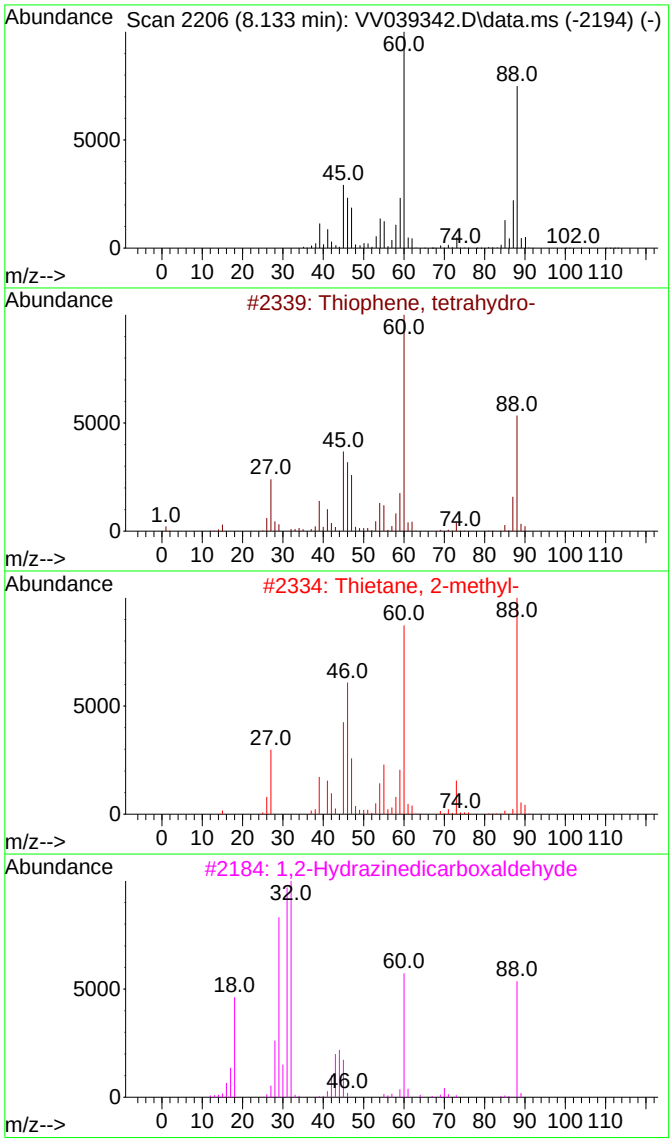
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

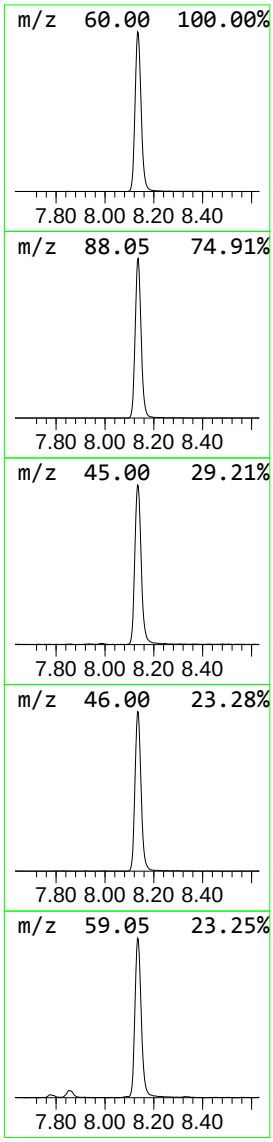
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Thiophene, tetrahydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.133	54.22 ug/l	4199760	Chlorobenzene-d5	8.773

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	97
2	Thietane, 2-methyl-	88	C4H8S	017837-41-1	74
3	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	53
4	Ethylvinyl sulfide	88	C4H8S	000627-50-9	42
5	Sulfide, allyl methyl	88	C4H8S	010152-76-8	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

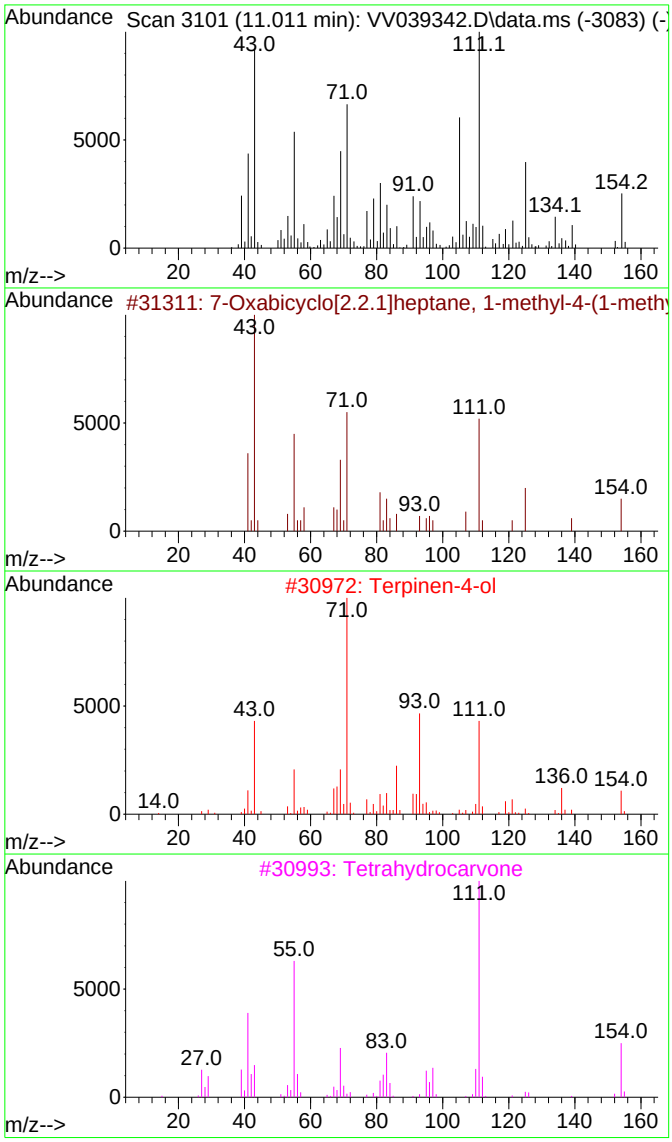
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

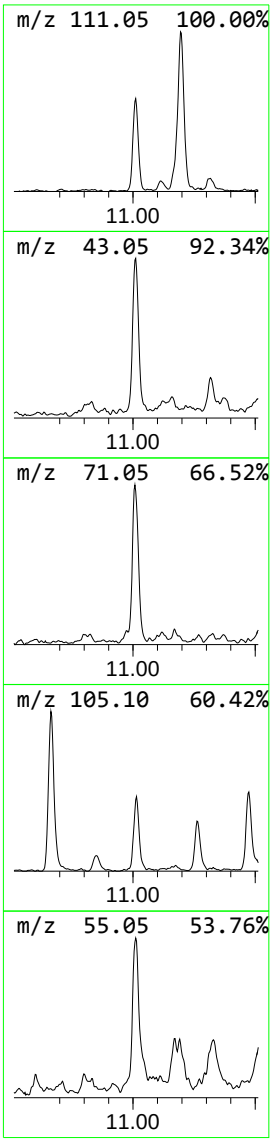
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.011	5.81 ug/l	485976	1,4-Dichlorobenzene-d4	11.172

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	96
2	Terpinen-4-ol	154	C10H18O	000562-74-3	46
3	Tetrahydrocarvone	154	C10H18O	000499-70-7	45
4	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	43
5	4-Hepten-3-one, 2,5,6-trimethyl-	154	C10H18O	016466-21-0	43





Sample Results: **VV039342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

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
Thiophene, tetr...	8.133	54.2	ug/l	4199760	3	8.773	3873060	50.0
7-Oxabicyclo[2....	11.011	5.8	ug/l	485976	4	11.172	4178960	50.0

Raw Data: **VV039338.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:	11/05/25
Client Sample ID:	MW-8	SDG No.:	Q3552
Lab Sample ID:	Q3552-02	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	11/05/25 16:13	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 16:13	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:13	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 16:13	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 16:13	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 16:13	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:13	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:13	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:13	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:13	VV110525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:13	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 16:13	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 16:13	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:13	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:13	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:13	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 16:13	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:13	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:13	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:13	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:13	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:13	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:13	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:13	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:13	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 16:13	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:13	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:13	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 16:13	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 16:13	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 16:13	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:13	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:13	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 16:13	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 16:13	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:13	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:13	VV110525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 16:13	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 16:13	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 16:13	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 16:13	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:13	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:13	VV110525

Raw Data: **VV039338.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:	11/05/25
Client Sample ID:	MW-8	SDG No.:	Q3552
Lab Sample ID:	Q3552-02	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	11/05/25 16:13	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:13	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:13	VV110525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:13	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:13	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 16:13	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:13	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:13	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.1			70 (74) - 130 (125)	118%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.7			70 (75) - 130 (124)	97%	SPK: 50		
2037-26-5	Toluene-d8	46.4			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	44.1			70 (77) - 130 (121)	88%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	905000							
540-36-3	1,4-Difluorobenzene	1740000							
3114-55-4	Chlorobenzene-d5	1630000							
3855-82-1	1,4-Dichlorobenzene-d4	725000							

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 : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Quant Time: Nov 06 00:17:05 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

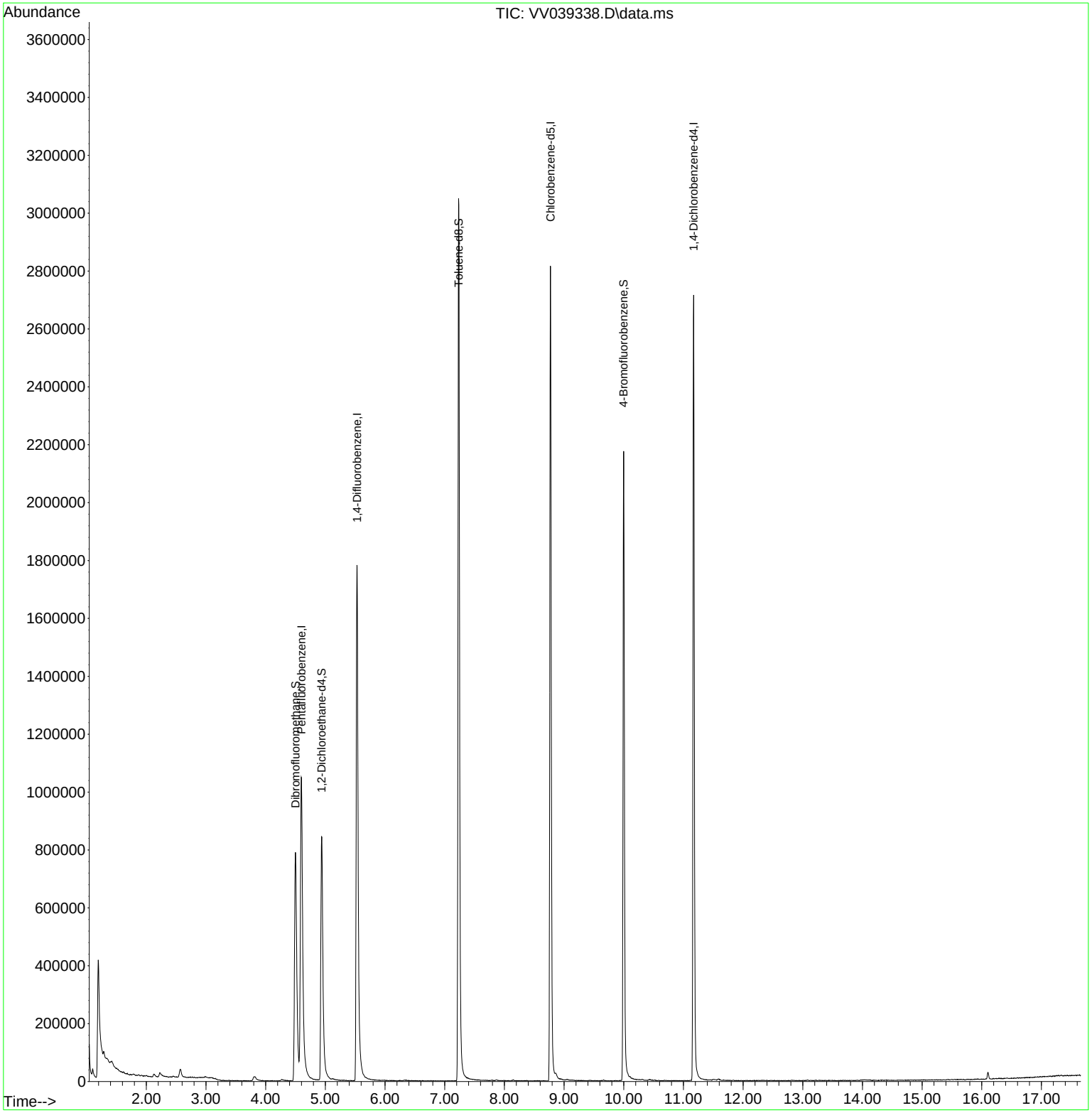
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	905091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1744740	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1630594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	725279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	759652	59.067	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 118.140%#			
35) Dibromofluoromethane	4.500	113	669976	48.735	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.480%			
50) Toluene-d8	7.233	98	2167959	46.356	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.720%			
62) 4-Bromofluorobenzene	9.998	95	734424	44.094	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 88.180%			
Target Compounds						Qvalue

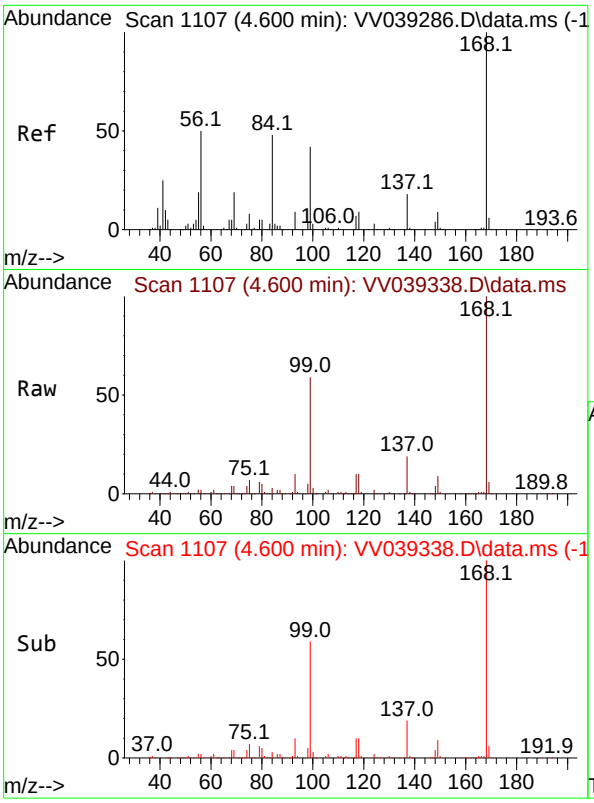
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Quant Time: Nov 06 00:17:05 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



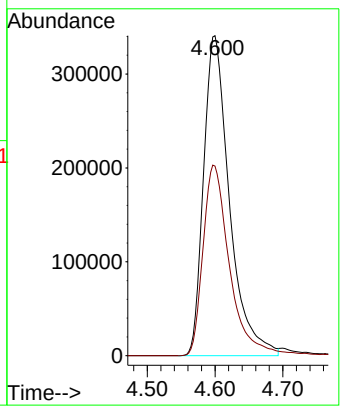


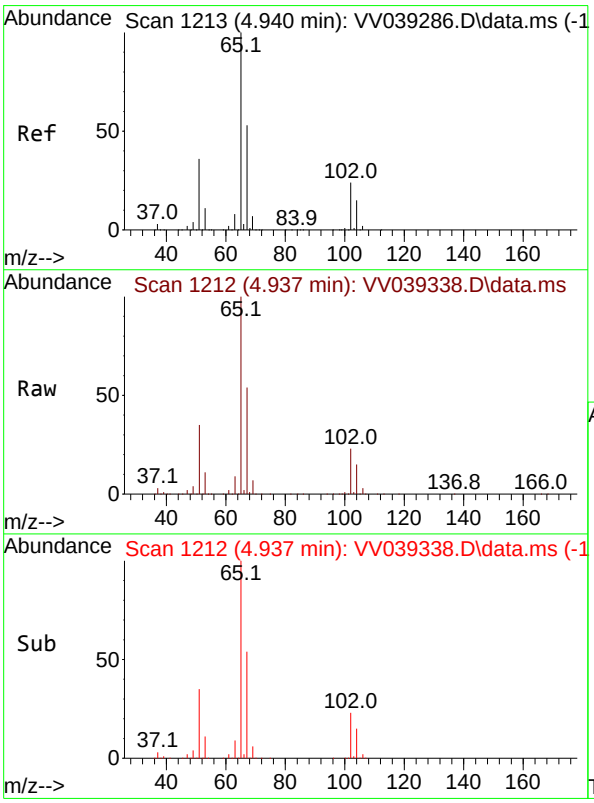
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Tgt Ion:168 Resp: 905091

Ion	Ratio	Lower	Upper
168	100		
99	59.3	46.6	70.0

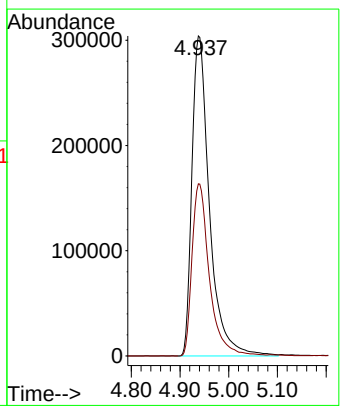


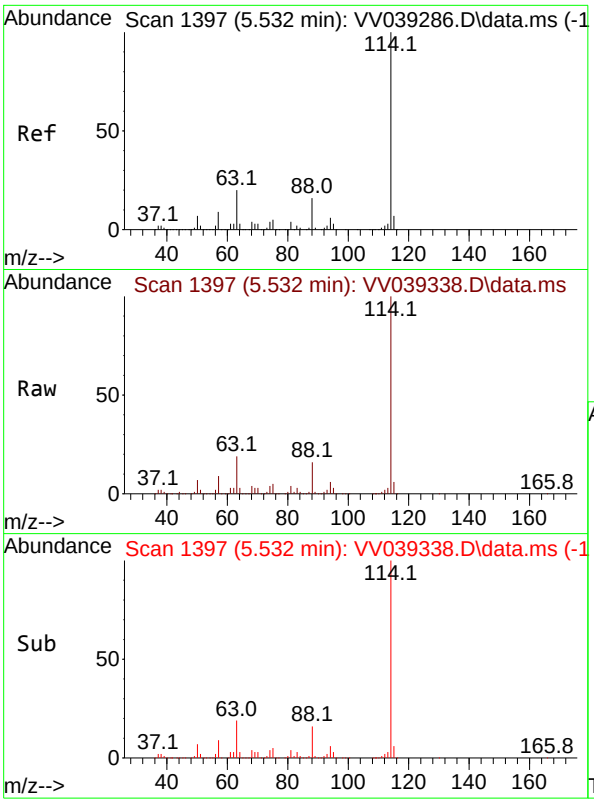


#33
1,2-Dichloroethane-d4
Concen: 59.067 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.003 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Tgt Ion: 65 Resp: 759652

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.4



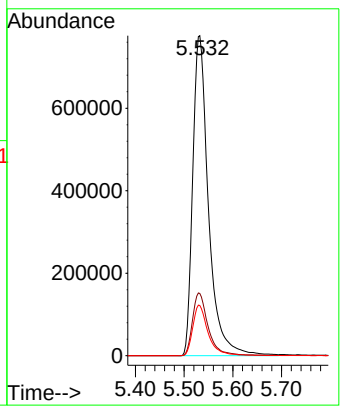


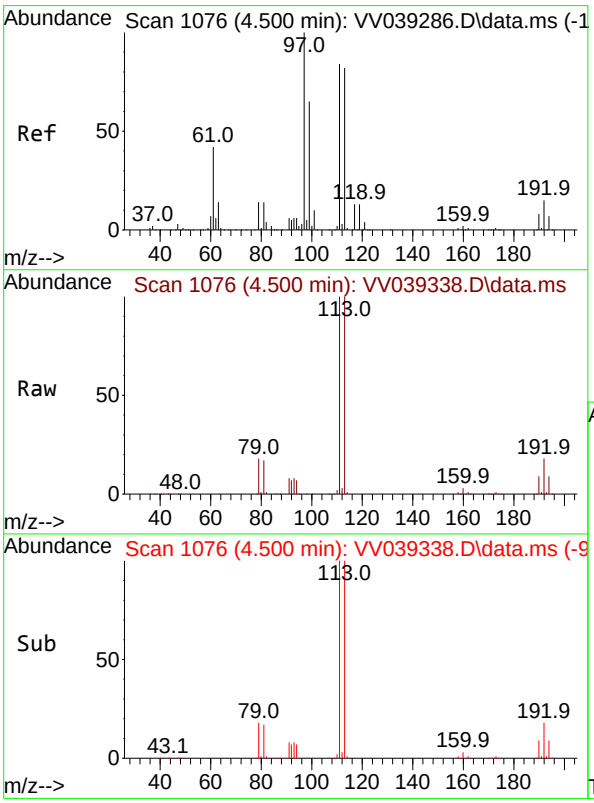
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Tgt Ion:114 Resp: 1744740

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.6
88	15.7	0.0	31.6

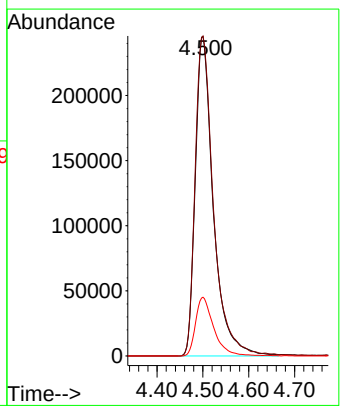


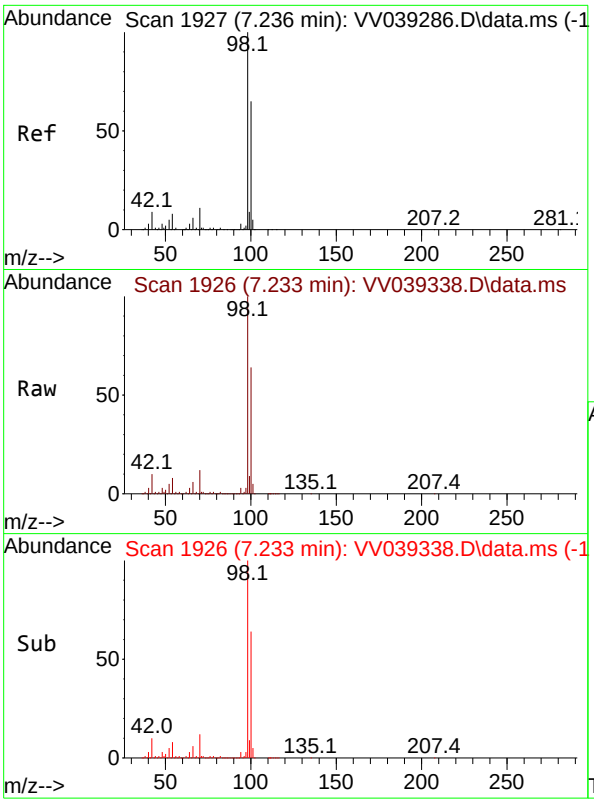


#35
Dibromofluoromethane
Concen: 48.735 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Tgt Ion:113 Resp: 669976

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.0	123.0
192	18.5	14.3	21.5



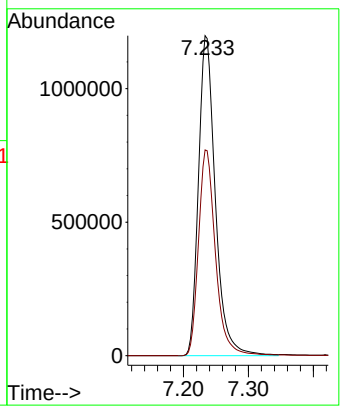


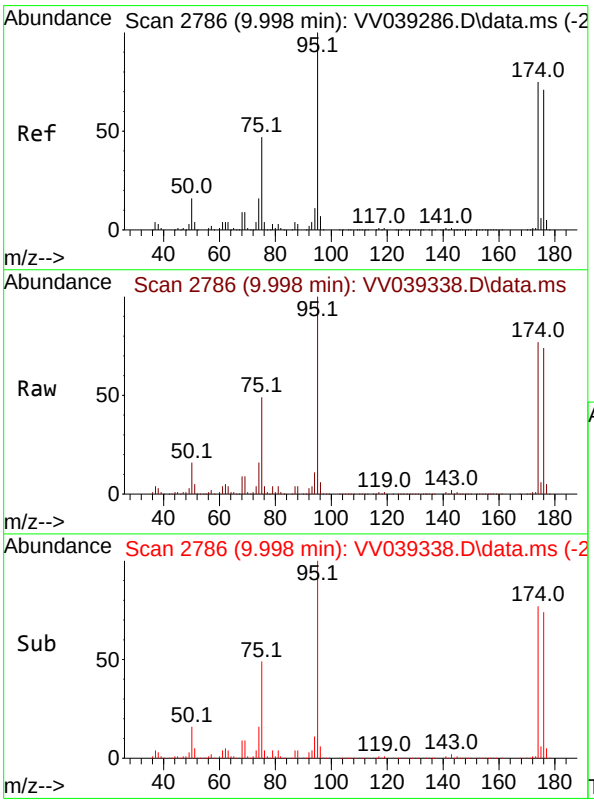
#50
Toluene-d8
Concen: 46.356 ug/l
RT: 7.233 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Tgt Ion: 98 Resp: 2167959

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.8	79.2

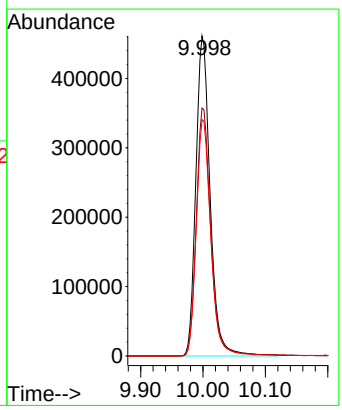


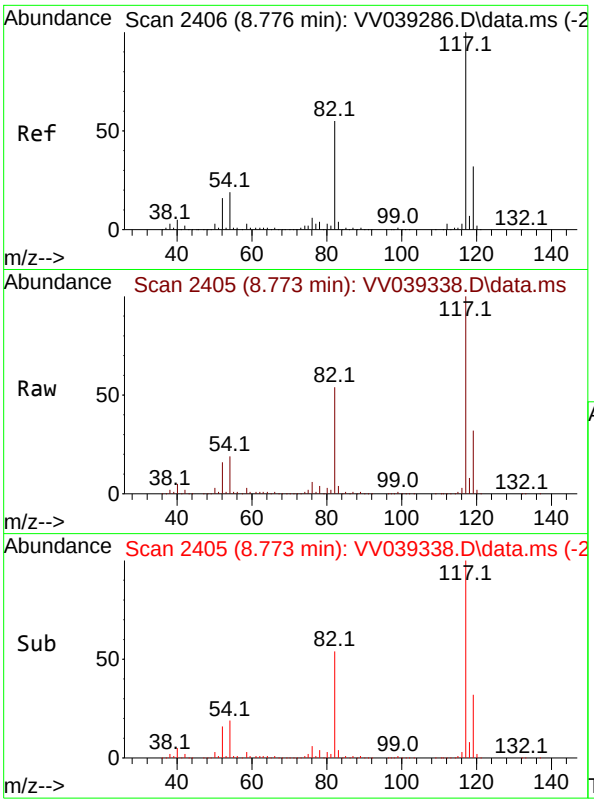


#62
4-Bromofluorobenzene
Concen: 44.094 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Tgt Ion: 95 Resp: 734424

Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	153.6
176	74.6	0.0	146.0



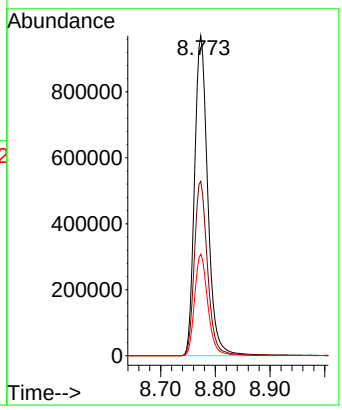


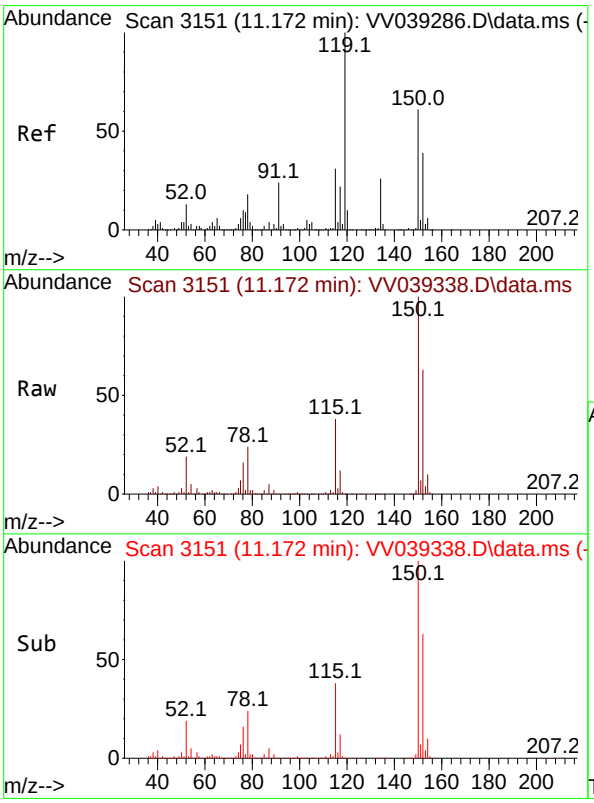
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Tgt Ion:117 Resp: 1630594

Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.8
119	31.7	25.8	38.6

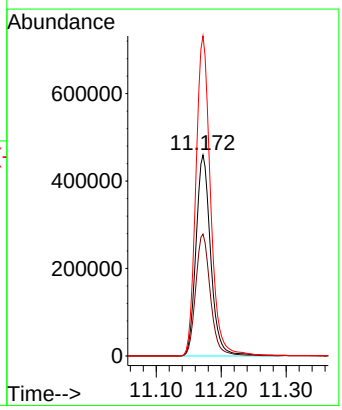




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Tgt Ion:152 Resp: 725279

Ion	Ratio	Lower	Upper
152	100		
115	61.0	42.3	126.8
150	158.9	0.0	348.0



Sample Results: **VV039338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

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: VV039338.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.195	38	48	72	rBV	405664	1145301	20.40%	3.754%
2	2.571	465	476	491	rBV3	26271	60990	1.09%	0.200%
3	4.500	1061	1076	1094	rBV	789192	2078829	37.03%	6.814%
4	4.597	1094	1106	1155	rVB	1042502	2892571	51.52%	9.481%
5	4.937	1200	1212	1261	rBV	839664	2107729	37.54%	6.908%
6	5.529	1383	1396	1440	rBV	1781255	4025717	71.70%	13.195%
7	7.233	1915	1926	1963	rBV	3047126	5614304	100.00%	18.401%
8	8.773	2392	2405	2428	rBV	2815443	4744865	84.51%	15.552%
9	9.998	2773	2786	2816	rBV	2174264	3508843	62.50%	11.501%
10	11.172	3139	3151	3190	rBV	2713856	4331069	77.14%	14.195%

Sum of corrected areas: 30510218

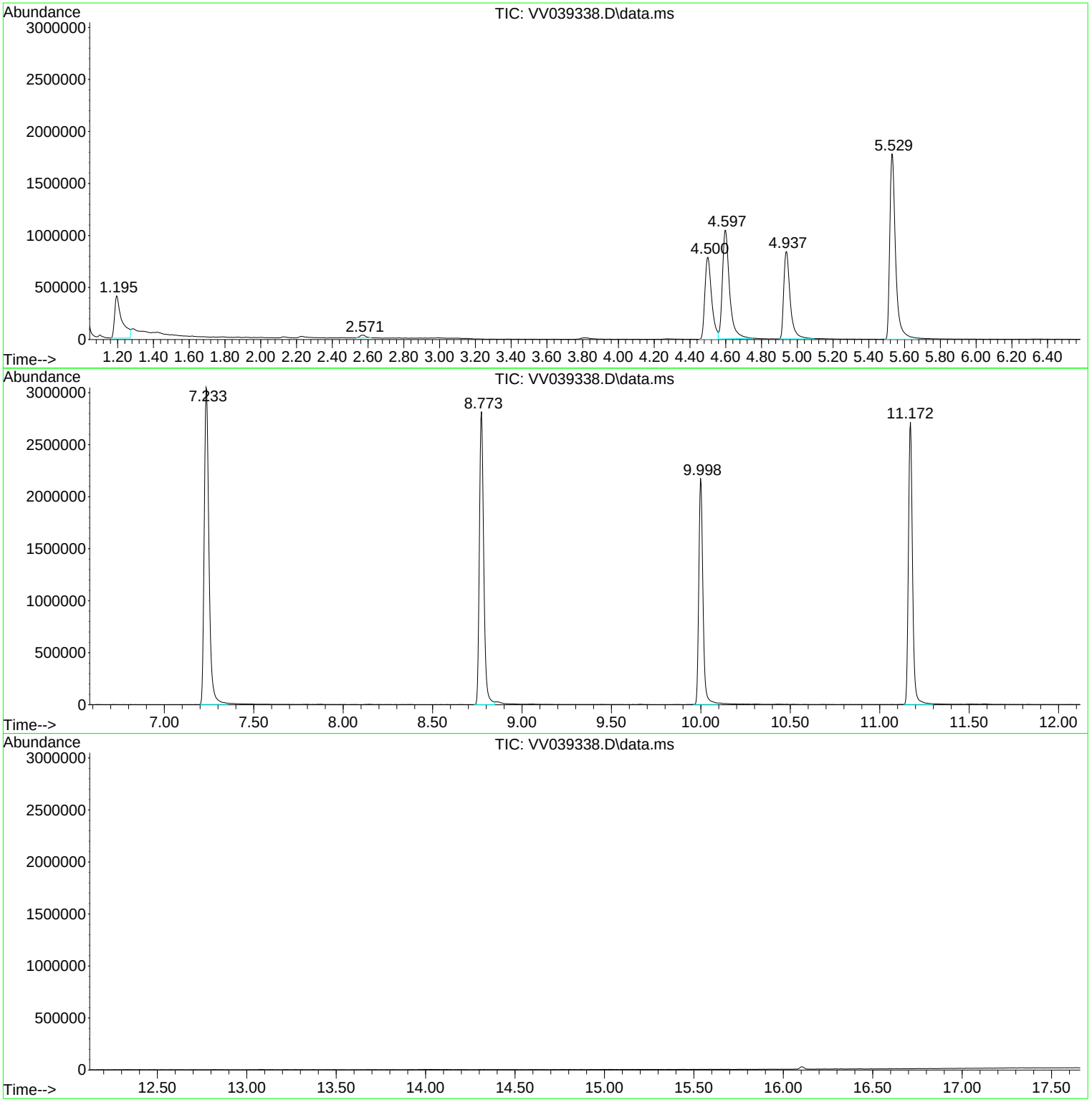
Sample Results: **VV039338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

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\VV110525\
Data File : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

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 : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

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: **VV039339.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:	11/05/25
Client Sample ID:	MW-9	SDG No.:	Q3552
Lab Sample ID:	Q3552-03	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 16:35	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 16:35	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:35	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 16:35	VV110525
75-00-3	Chloroethane	2.50		1	0.47	1.00	ug/L	11/05/25 16:35	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 16:35	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:35	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:35	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:35	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:35	VV110525
1634-04-4	Methyl tert-butyl Ether	0.71	J	1	0.16	1.00	ug/L	11/05/25 16:35	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 16:35	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 16:35	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:35	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:35	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:35	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 16:35	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:35	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:35	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:35	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:35	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:35	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:35	VV110525
71-43-2	Benzene	15.1		1	0.15	1.00	ug/L	11/05/25 16:35	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:35	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 16:35	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:35	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:35	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 16:35	VV110525
108-88-3	Toluene	0.48	J	1	0.14	1.00	ug/L	11/05/25 16:35	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 16:35	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:35	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:35	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 16:35	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 16:35	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:35	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:35	VV110525
108-90-7	Chlorobenzene	27.0		1	0.12	1.00	ug/L	11/05/25 16:35	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 16:35	VV110525
179601-23-1	m/p-Xylenes	0.38	J	1	0.24	2.00	ug/L	11/05/25 16:35	VV110525
95-47-6	o-Xylene	0.99	J	1	0.12	1.00	ug/L	11/05/25 16:35	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:35	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:35	VV110525

Raw Data: **VV039339.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:	11/05/25
Client Sample ID:	MW-9	SDG No.:	Q3552
Lab Sample ID:	Q3552-03	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	1.30		1	0.12	1.00	ug/L	11/05/25 16:35	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:35	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:35	VV110525
106-46-7	1,4-Dichlorobenzene	5.10		1	0.19	1.00	ug/L	11/05/25 16:35	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:35	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 16:35	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:35	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:35	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.1			70 (74) - 130 (125)	108%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.1			70 (75) - 130 (124)	98%	SPK: 50		
2037-26-5	Toluene-d8	44.9			70 (86) - 130 (113)	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.7			70 (77) - 130 (121)	91%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	678000							
540-36-3	1,4-Difluorobenzene	1220000							
3114-55-4	Chlorobenzene-d5	1160000							
3855-82-1	1,4-Dichlorobenzene-d4	567000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	5.10	J			1.92	ug/L		
75-65-0	Tert butyl alcohol	170	J			2.56	ug/L		
108-20-3	Diisopropyl ether	0.37	J			3.22	ug/L		
109-99-9	Tetrahydrofuran	26.2	J			4.24	ug/L		
103-65-1	n-propylbenzene	0.58	J			10.3	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: **VV039339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 06 00:17:34 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-9

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	677683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1221893	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1164477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	566941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	521425	54.149	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 108.300%			
35) Dibromofluoromethane	4.500	113	473047	49.134	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 98.260%			
50) Toluene-d8	7.236	98	1469972	44.881	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 89.760%			
62) 4-Bromofluorobenzene	9.998	95	533515	45.738	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 91.480%			
Target Compounds						Qvalue
6) Chloroethane	1.564	64	25937	2.480	ug/l	96
8) Diethyl Ether	1.921	74	28894	5.145	ug/l	99
11) Tert butyl alcohol	2.564	59	322362	172.741	ug/l	97
19) Methyl tert-butyl Ether	2.715	73	19561	0.711	ug/l #	76
22) Diisopropyl ether	3.223	45	9609m	0.369	ug/l	
29) Tetrahydrofuran	4.243	42	98616	26.190	ug/l	95
40) Benzene	5.011	78	587138	15.132	ug/l	99
52) Toluene	7.320	92	11156	0.476	ug/l	89
65) Chlorobenzene	8.802	112	744107	26.993	ug/l	99
68) m/p-Xylenes	9.079	106	6057	0.376	ug/l	94
69) o-Xylene	9.474	106	14029	0.986	ug/l	96
73) Isopropylbenzene	9.857	105	45797	1.330	ug/l	99
78) n-propylbenzene	10.284	91	24208	0.580	ug/l	96
88) 1,4-Dichlorobenzene	11.197	146	108124	5.118	ug/l	93

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

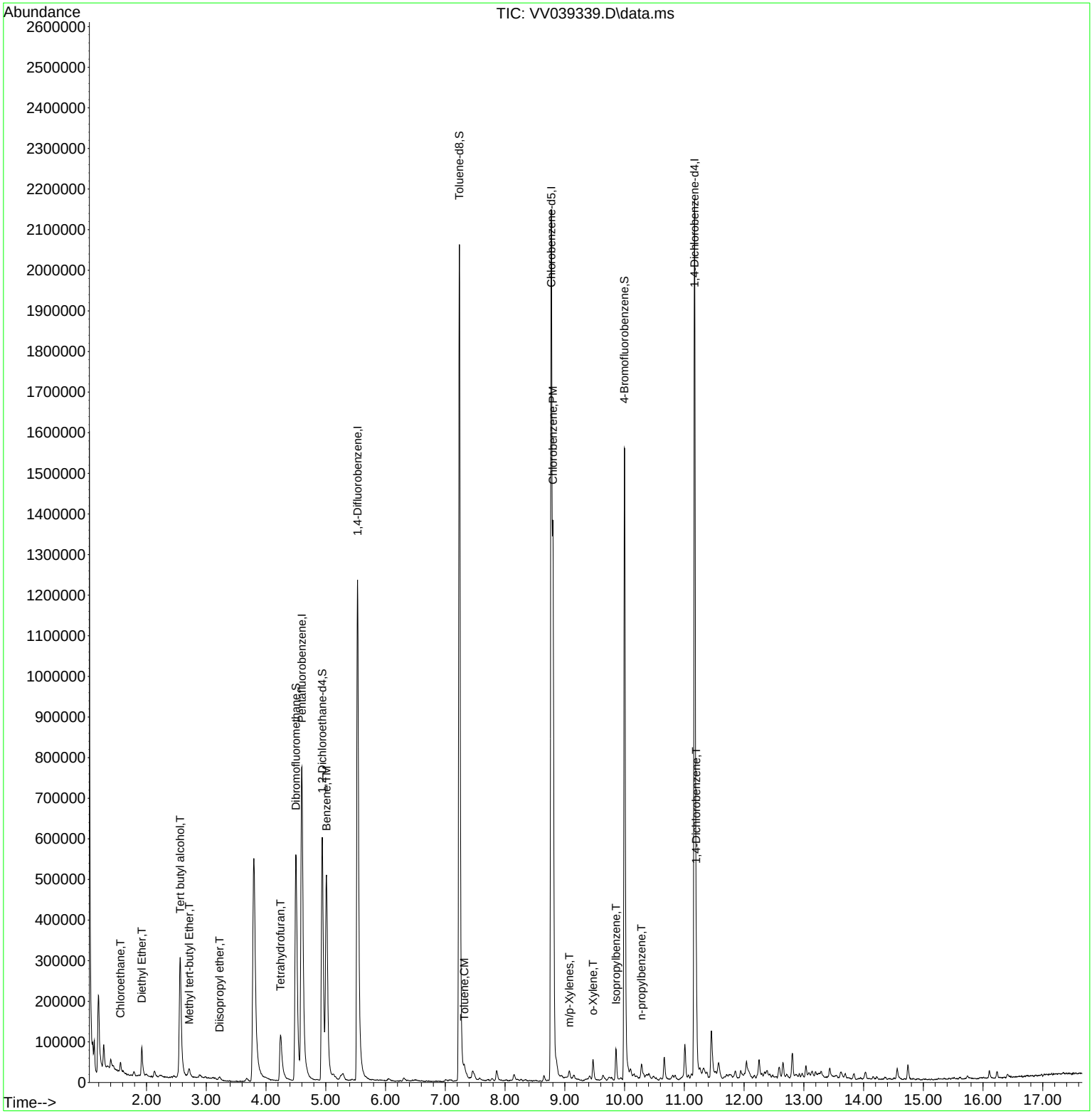
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

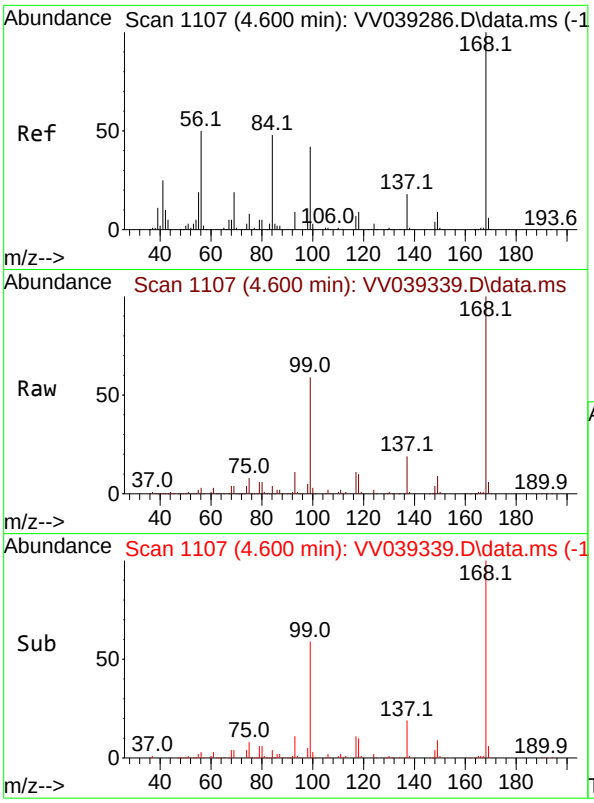
Quant Time: Nov 06 00:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

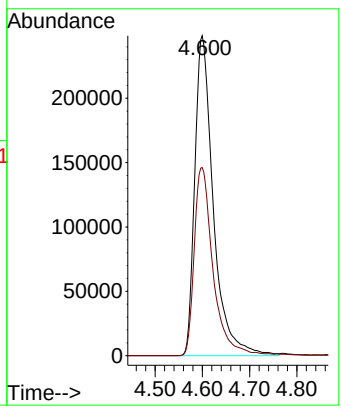




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:168 Resp: 67768

Ion	Ratio	Lower	Upper
168	100		
99	58.8	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

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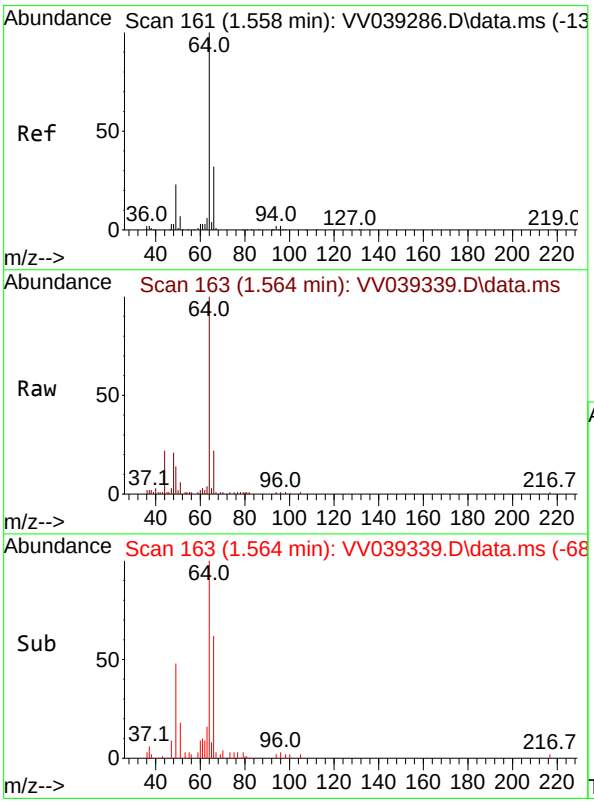
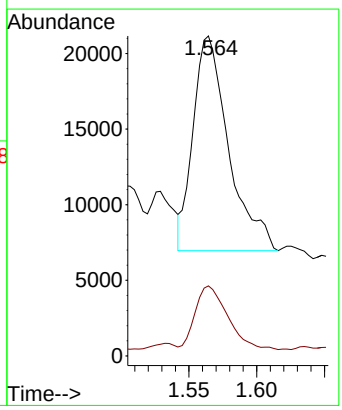
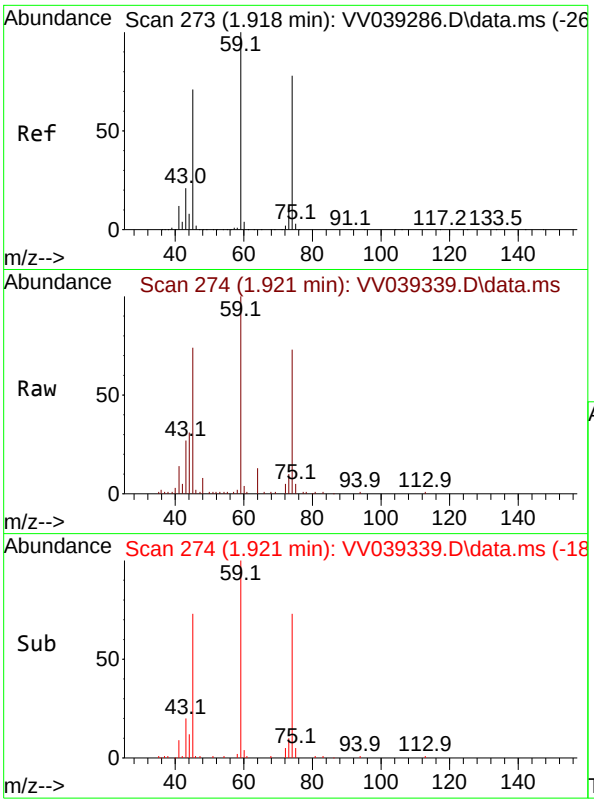


#6
Chloroethane
Concen: 2.480 ug/l
RT: 1.564 min Scan# 163
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 64 Resp: 25937

Ion	Ratio	Lower	Upper
64	100		
66	29.7	25.7	38.5

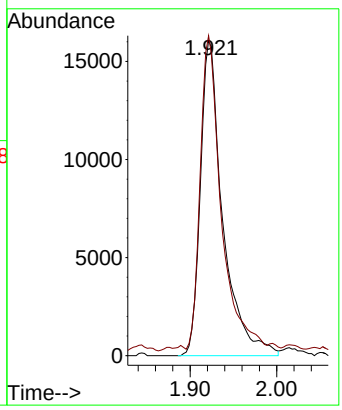




#8
Diethyl Ether
Concen: 5.145 ug/l
RT: 1.921 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 74 Resp: 2889

Ion	Ratio	Lower	Upper
74	100		
45	92.7	45.9	137.7



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
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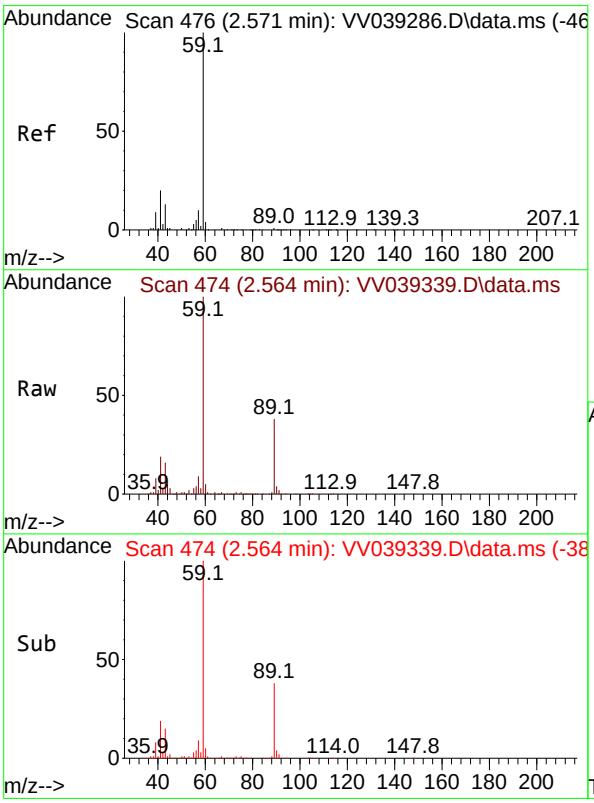
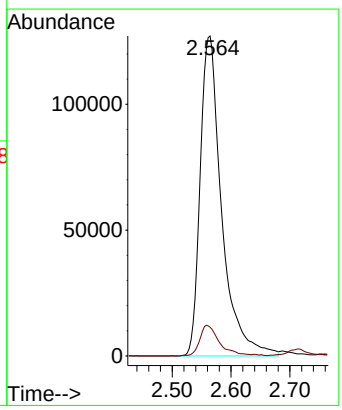
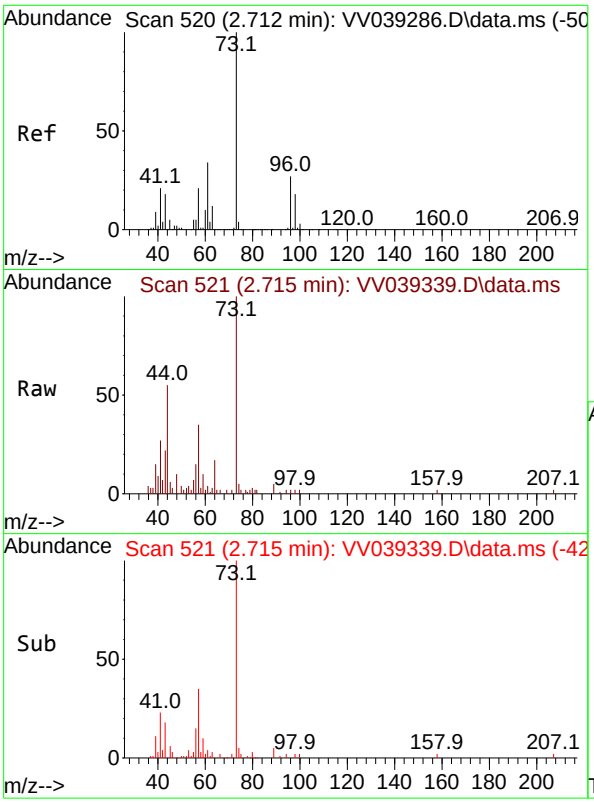


#11
Tert butyl alcohol
Concen: 172.741 ug/l
RT: 2.564 min Scan# 474
Delta R.T. -0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 59 Resp: 322362

Ion	Ratio	Lower	Upper
59	100		
57	8.8	8.1	12.1

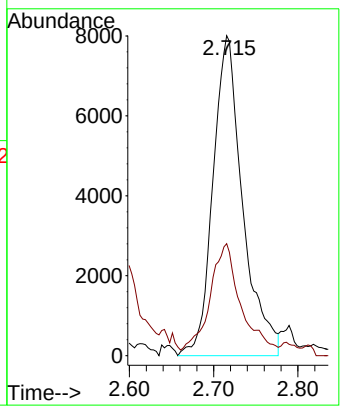




#19
Methyl tert-butyl Ether
Concen: 0.711 ug/l
RT: 2.715 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 73 Resp: 1956

Ion	Ratio	Lower	Upper
73	100		
57	32.4	17.0	25.6#



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
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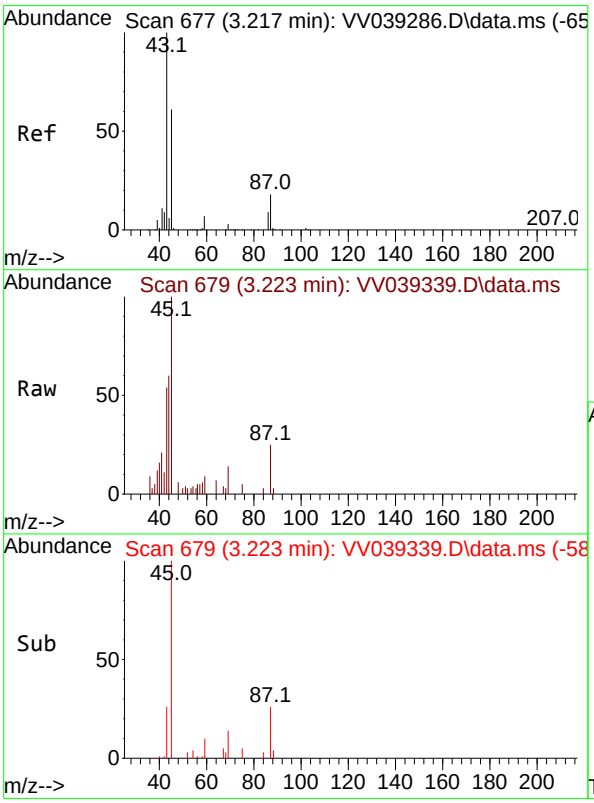
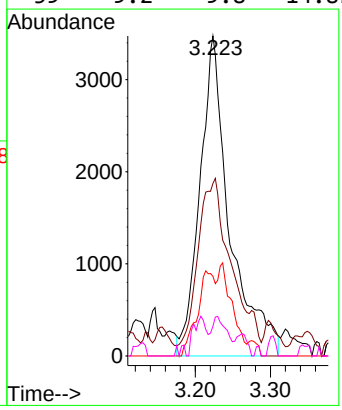
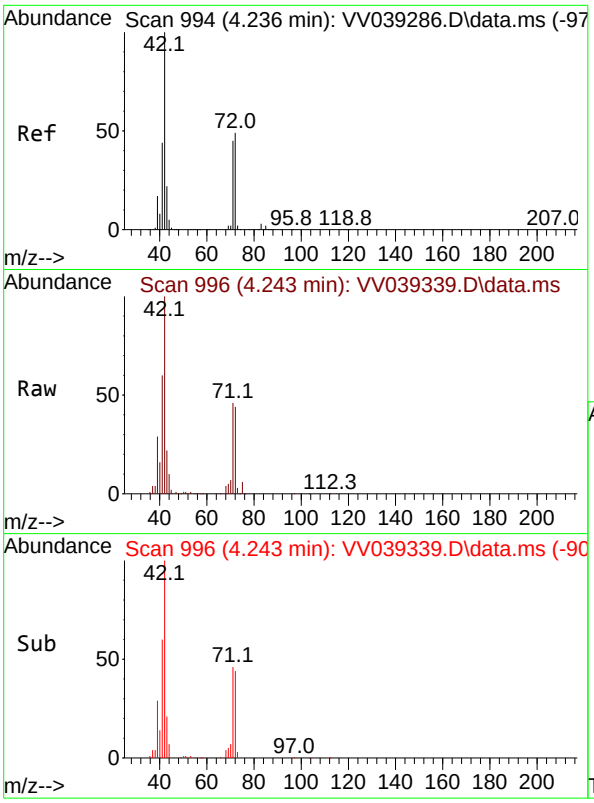


#22
Diisopropyl ether
Concen: 0.369 ug/l m
RT: 3.223 min Scan# 679
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 45 Resp: 9609

Ion	Ratio	Lower	Upper
45	100		
43	53.9	130.8	196.2#
87	24.9	23.8	35.8
59	9.2	9.8	14.8#





#29
Tetrahydrofuran
Concen: 26.190 ug/l
RT: 4.243 min Scan# 9
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 42 Resp: 9861

Ion	Ratio	Lower	Upper
42	100		
72	44.5	39.8	59.8
71	44.9	36.5	54.7

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

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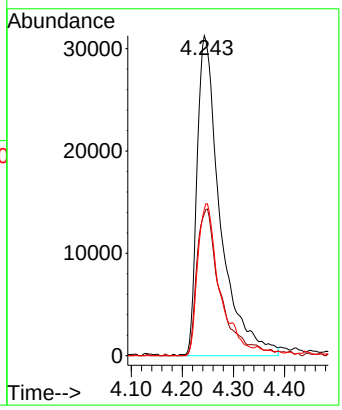
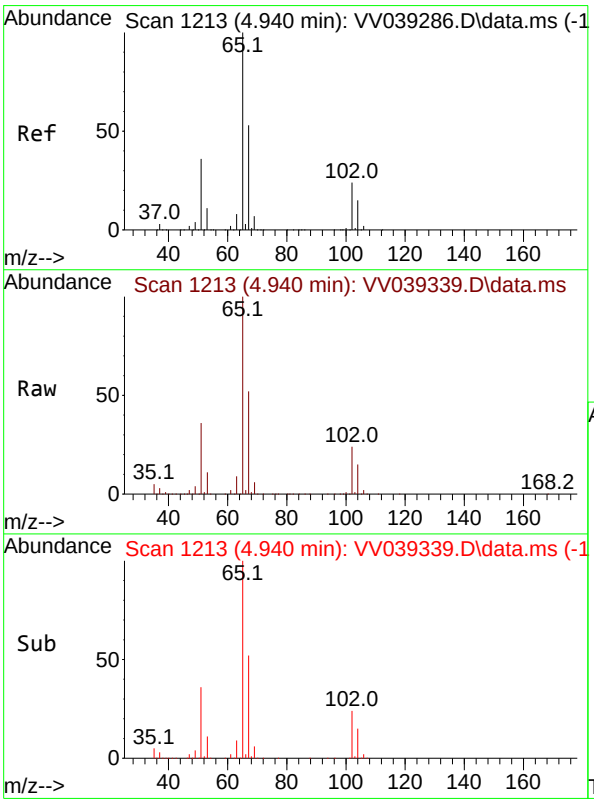
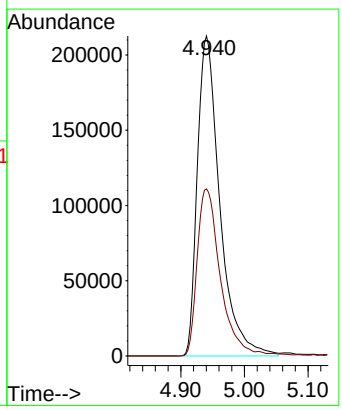


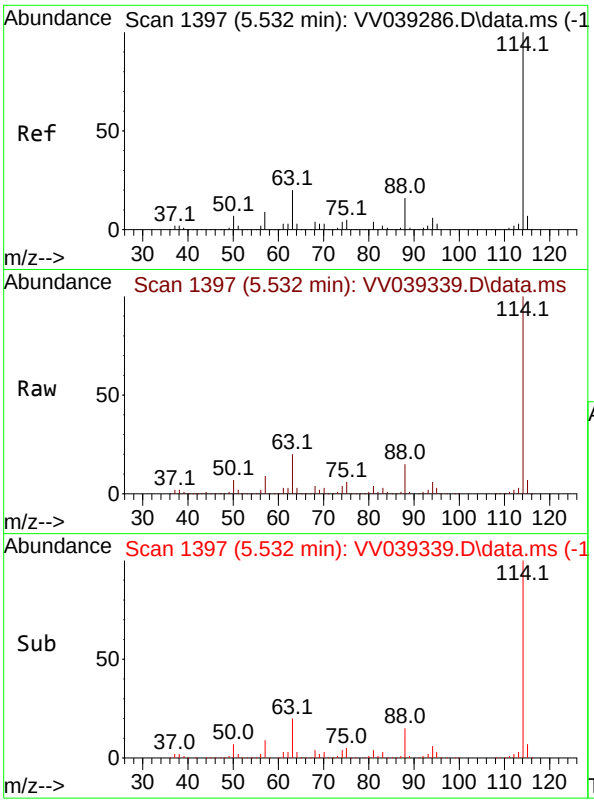


#33
1,2-Dichloroethane-d4
Concen: 54.149 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 65 Resp: 521425

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	108.4

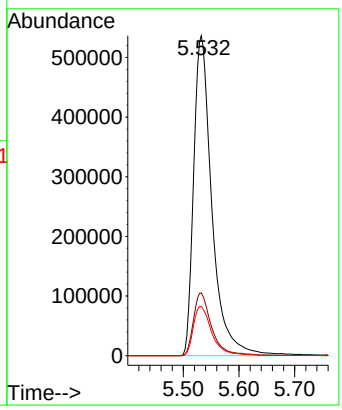




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:114 Resp: 122189

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	15.4	0.0	31.6



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

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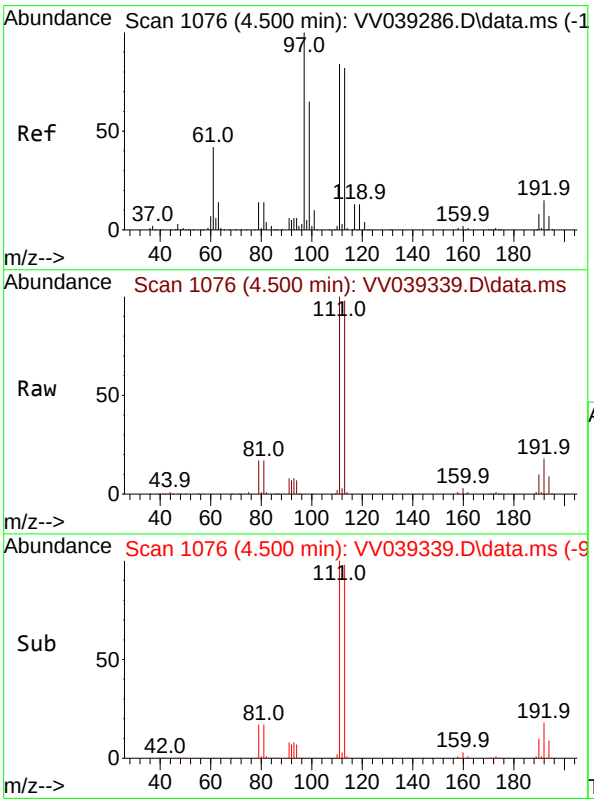
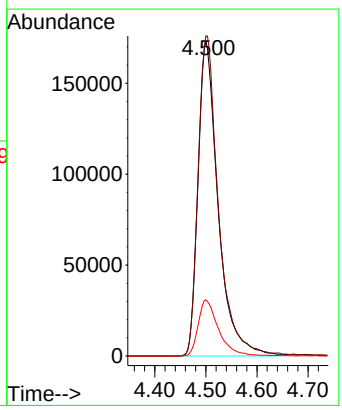
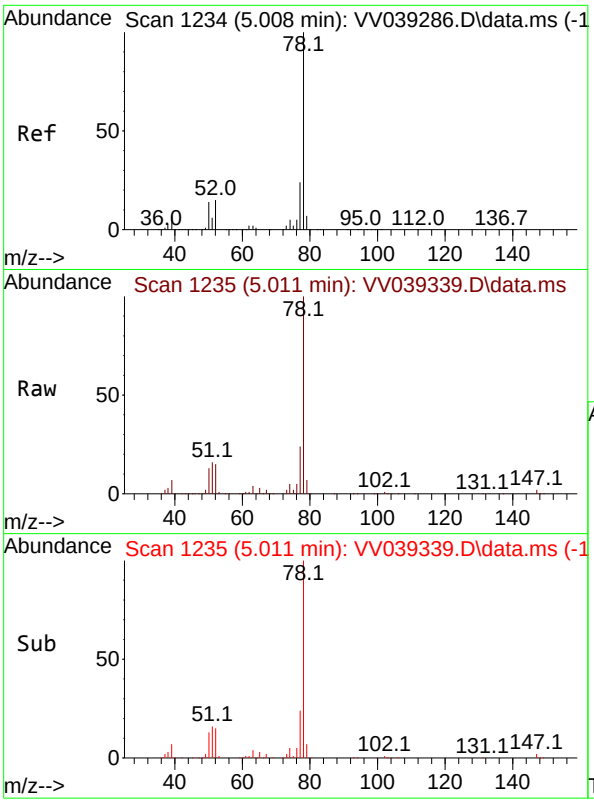


#35
Dibromofluoromethane
Concen: 49.134 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:113 Resp: 473047

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	18.0	14.3	21.5





#40
Benzene
Concen: 15.132 ug/l
RT: 5.011 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

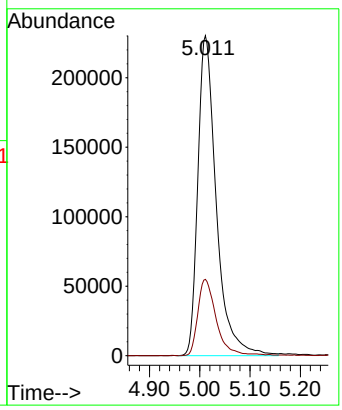
Tgt Ion: 78 Resp: 58713

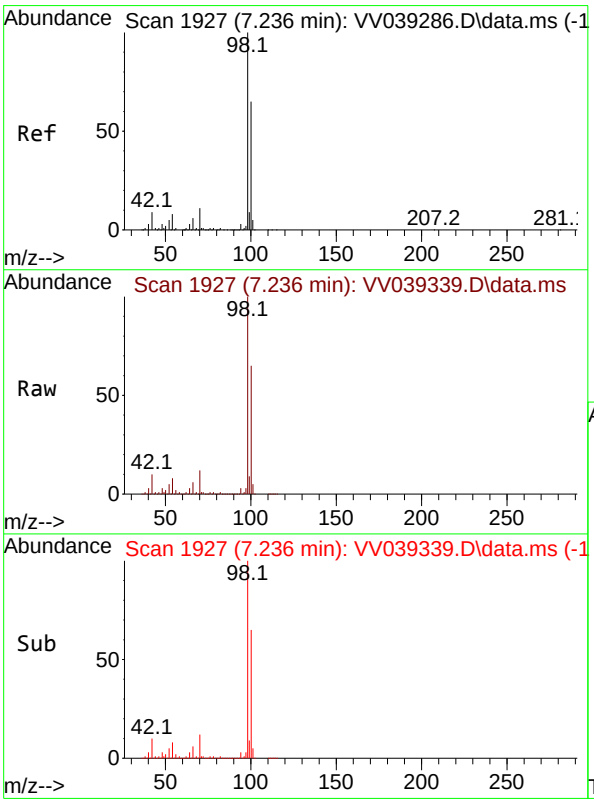
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

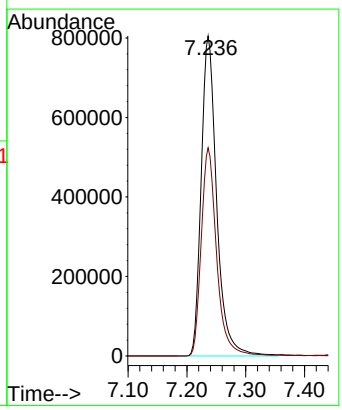


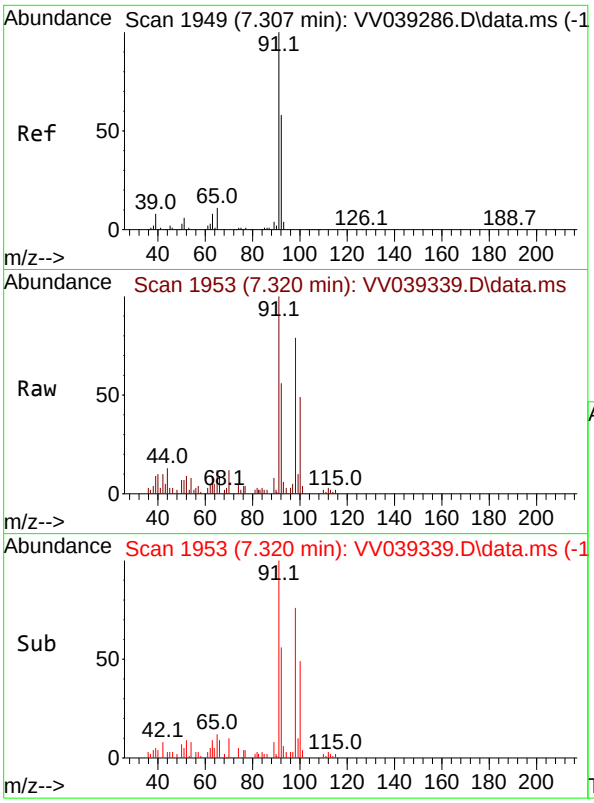


#50
Toluene-d8
Concen: 44.881 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 98 Resp: 1469972

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.8	79.2





#52
Toluene
Concen: 0.476 ug/l
RT: 7.320 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

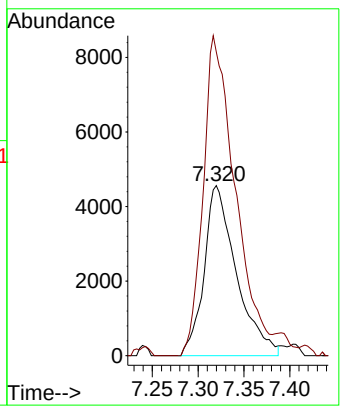
Tgt Ion: 92 Resp: 1115

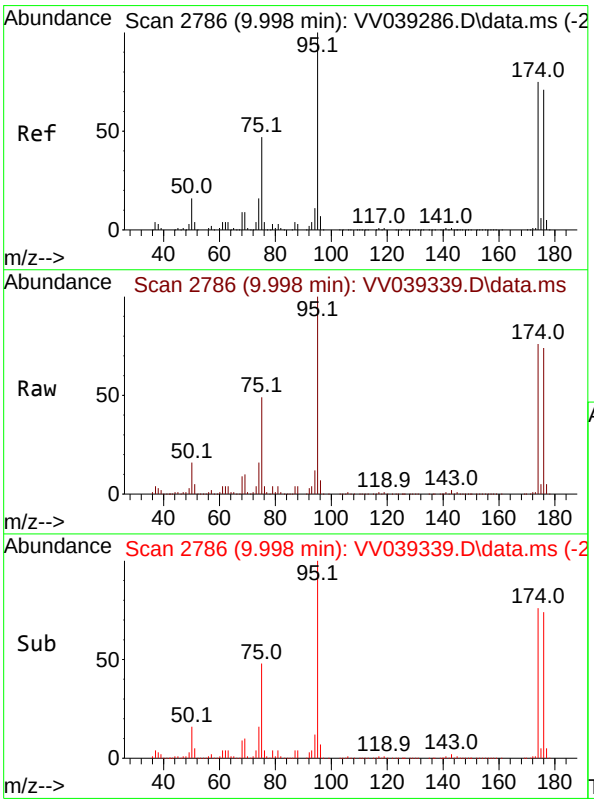
Ion	Ratio	Lower	Upper
92	100		
91	187.3	137.3	205.9

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

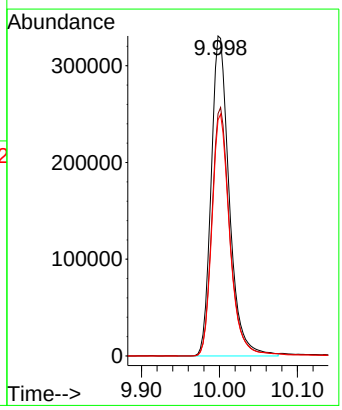


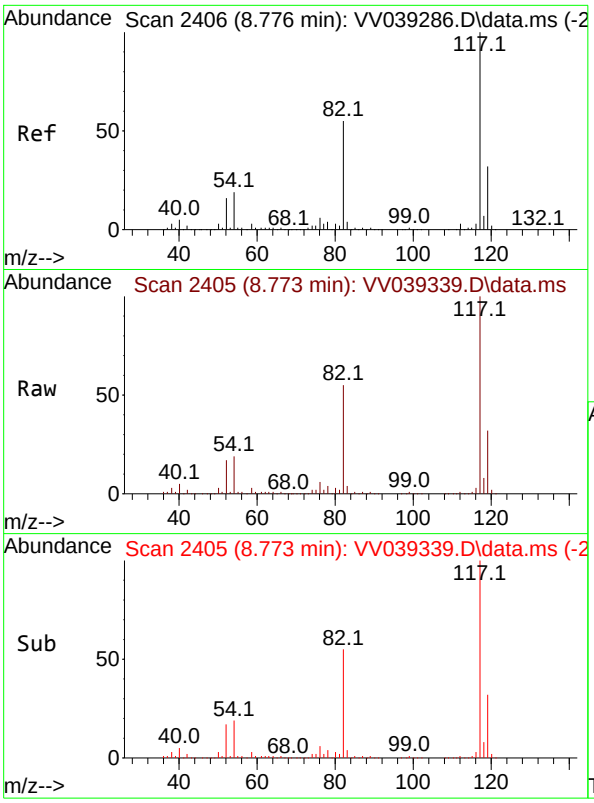


#62
4-Bromofluorobenzene
Concen: 45.738 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 95 Resp: 533515

Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	153.6
176	74.6	0.0	146.0

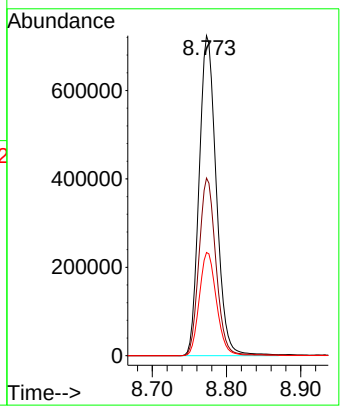




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:117 Resp: 116447

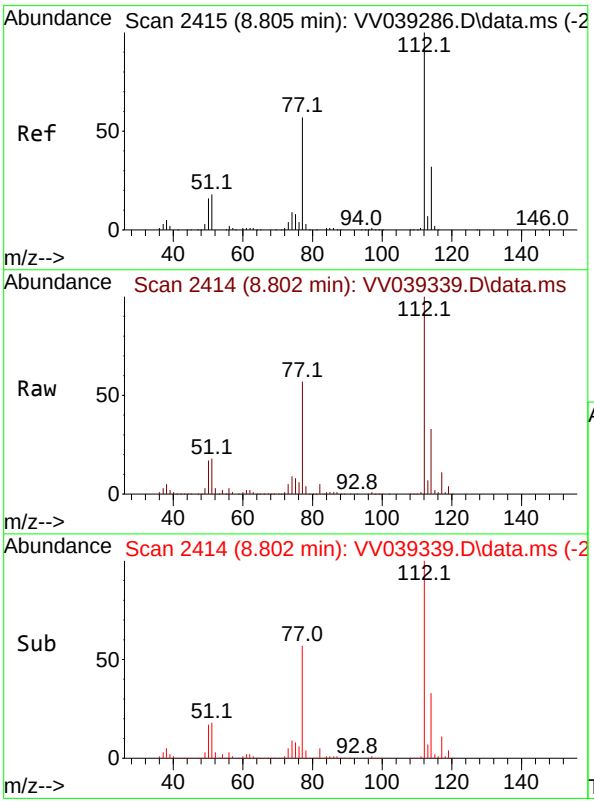
Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.8	65.8
119	32.3	25.8	38.6



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

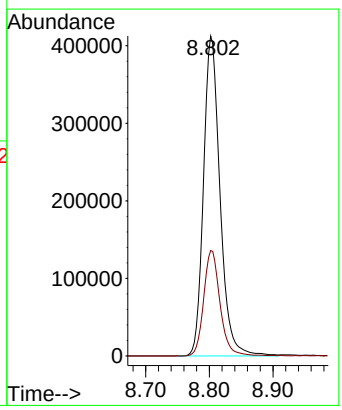
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

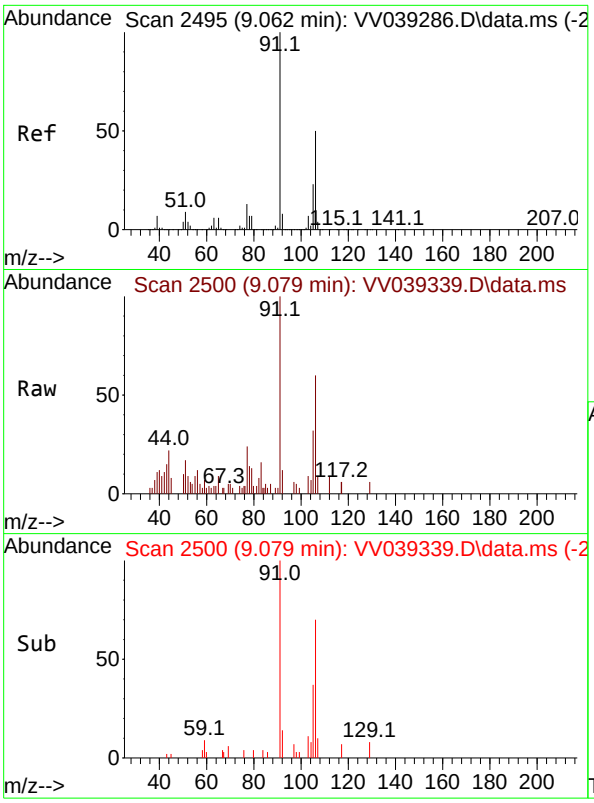


#65
Chlorobenzene
Concen: 26.993 ug/l
RT: 8.802 min Scan# 2414
Delta R.T. -0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:112 Resp: 744107

Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.7	38.5





#68
m/p-Xylenes
Concen: 0.376 ug/l
RT: 9.079 min Scan# 2
Delta R.T. 0.016 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

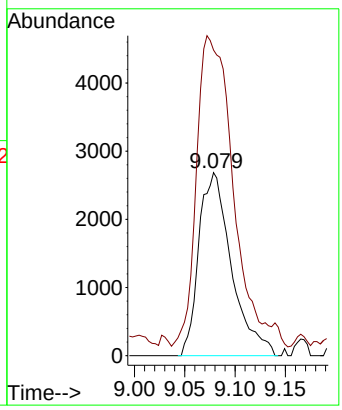
Tgt Ion:106 Resp: 605

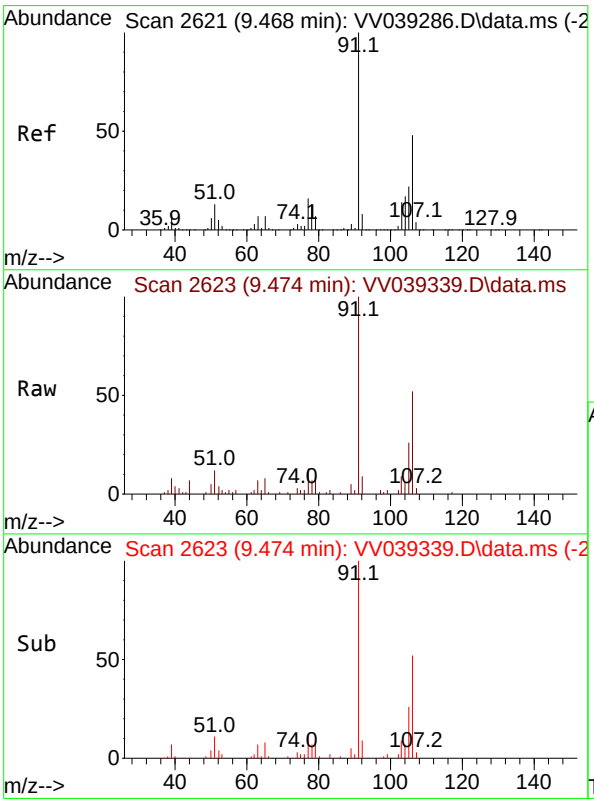
Ion	Ratio	Lower	Upper
106	100		
91	191.3	160.2	240.2

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

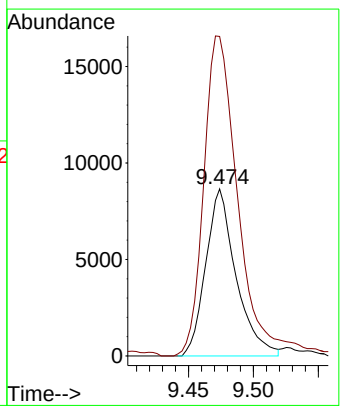


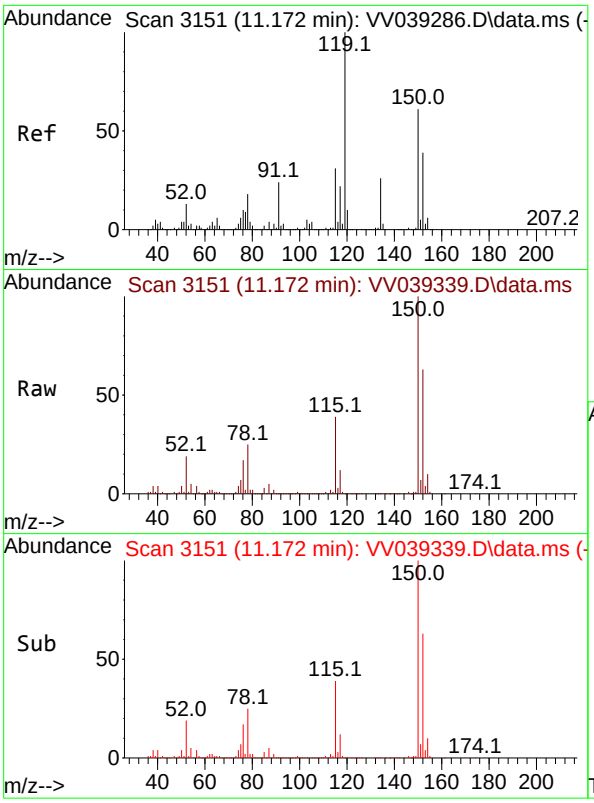


#69
o-Xylene
Concen: 0.986 ug/l
RT: 9.474 min Scan# 2623
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:106 Resp: 14029

Ion	Ratio	Lower	Upper
106	100		
91	217.7	105.8	317.3

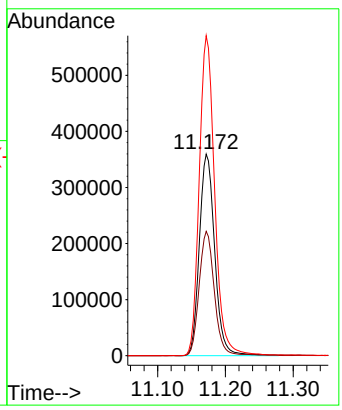




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:152 Resp: 56694

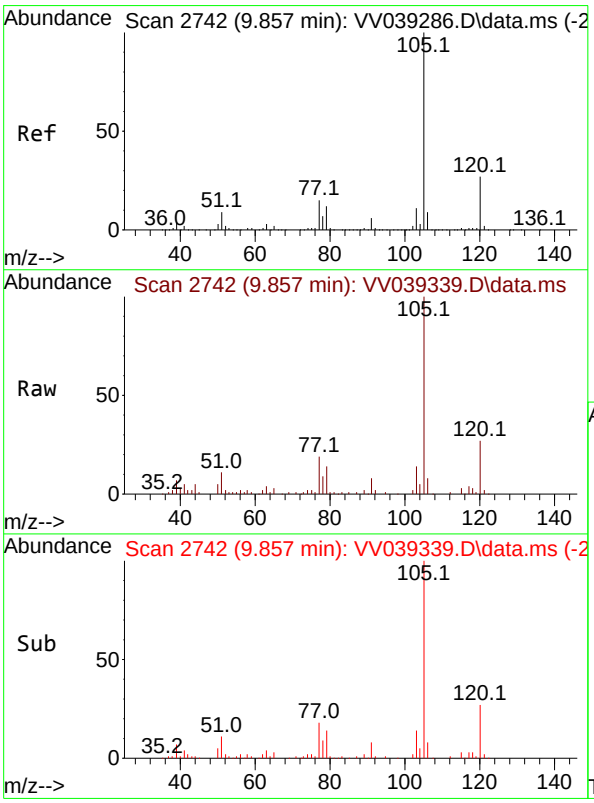
Ion	Ratio	Lower	Upper
152	100		
115	60.5	42.3	126.8
150	159.2	0.0	348.0



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

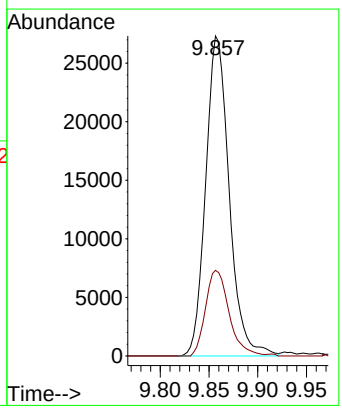
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

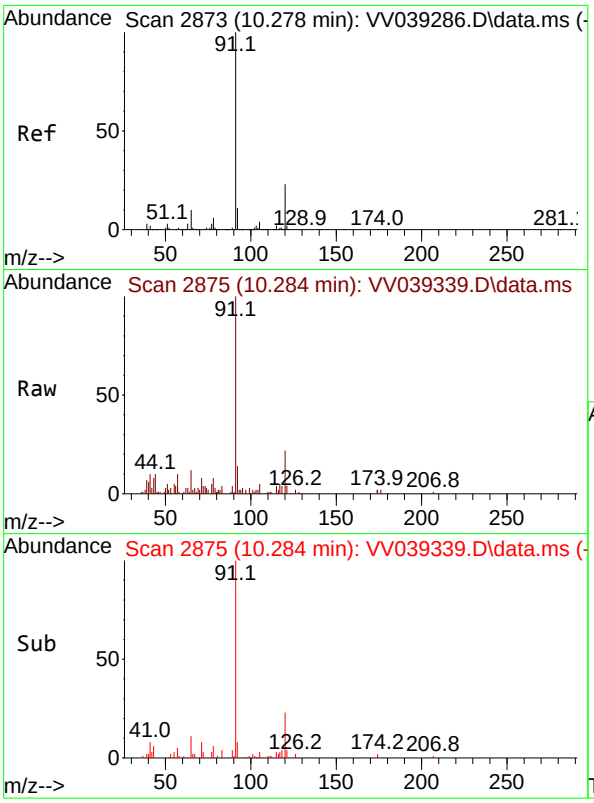


#73
Isopropylbenzene
Concen: 1.330 ug/l
RT: 9.857 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:105 Resp: 45797

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.5





#78
n-propylbenzene
Concen: 0.580 ug/l
RT: 10.284 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

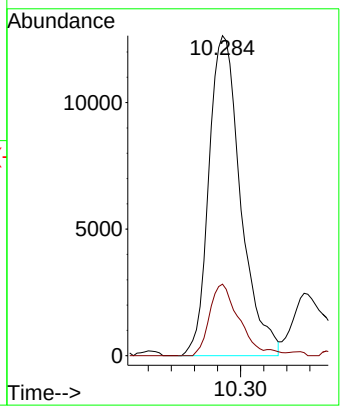
Tgt Ion: 91 Resp: 2420

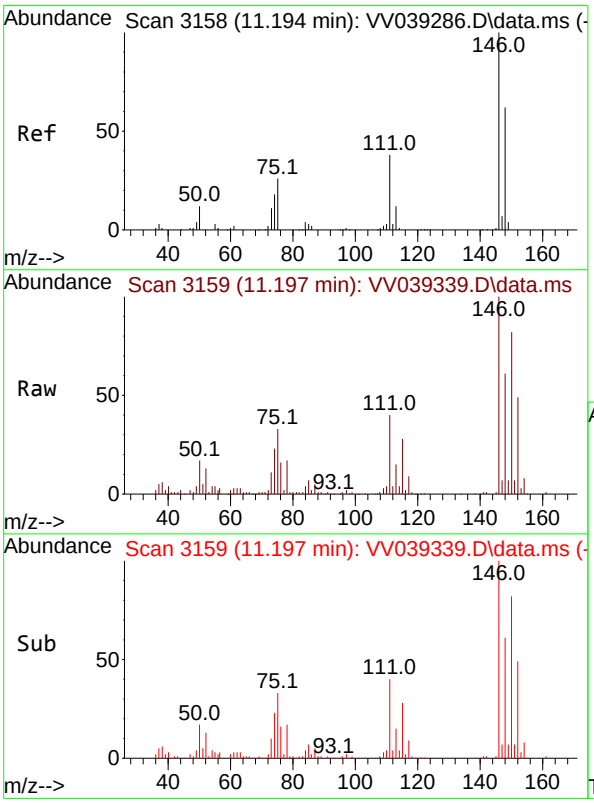
Ion	Ratio	Lower	Upper
91	100		
120	21.0	11.5	34.5

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

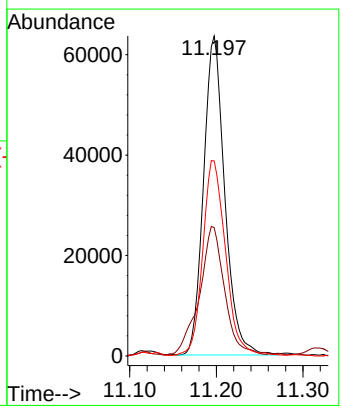




#88
1,4-Dichlorobenzene
Concen: 5.118 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:146 Resp: 108124

Ion	Ratio	Lower	Upper
146	100		
111	47.6	19.7	59.0
148	65.6	31.5	94.5



LSC Area Percent Report

Sample Results: **VV039339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-9

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: VV039339.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	23	27	38	rVB	78622	93613	2.48%	0.335%
2	1.195	39	48	68	rBV2	189168	413767	10.95%	1.482%
3	1.281	70	75	89	rVB2	55589	88700	2.35%	0.318%
4	1.921	266	274	291	rBV	69459	115181	3.05%	0.413%
5	2.564	459	474	502	rBV3	291338	715225	18.92%	2.562%
6	3.796	836	857	895	rBV	548755	1832012	48.47%	6.561%
7	4.243	985	996	1028	rBV3	111135	345399	9.14%	1.237%
8	4.500	1061	1076	1095	rBV	555189	1464092	38.74%	5.244%
9	4.600	1095	1107	1156	rVB	768573	2133889	56.46%	7.643%
10	4.940	1201	1213	1225	rBV	597905	1358729	35.95%	4.866%
11	5.011	1226	1235	1266	rVB	495844	1253246	33.16%	4.489%
12	5.532	1384	1397	1438	rBV	1232453	2821988	74.67%	10.107%
13	7.236	1915	1927	1949	rBV	2058593	3779369	100.00%	13.536%
14	7.860	2110	2121	2134	rBV	24289	49588	1.31%	0.178%
15	8.773	2393	2405	2411	rBV	2145699	3622965	95.86%	12.976%
16	9.471	2614	2622	2642	rVB2	50123	88591	2.34%	0.317%
17	9.857	2732	2742	2755	rBV	76661	127124	3.36%	0.455%
18	9.998	2776	2786	2811	rBV	1555063	2561603	67.78%	9.175%
19	10.284	2865	2875	2892	rBV	33948	76798	2.03%	0.275%
20	10.667	2984	2994	3007	rBV	52604	88795	2.35%	0.318%
21	11.011	3086	3101	3113	rBV5	80337	137943	3.65%	0.494%
22	11.172	3140	3151	3175	rBV	2158258	3765948	99.64%	13.488%
23	11.455	3229	3239	3255	rBV2	114642	239107	6.33%	0.856%
24	11.574	3269	3276	3295	rVB8	38491	91004	2.41%	0.326%
25	11.943	3384	3391	3405	rBV4	17109	37935	1.00%	0.136%
26	12.040	3413	3421	3446	rVB3	37827	100651	2.66%	0.360%
27	12.252	3472	3487	3498	rBV3	43832	92756	2.45%	0.332%
28	12.590	3581	3592	3602	rBV3	26587	54600	1.44%	0.196%
29	12.651	3603	3611	3624	rVB2	35162	61958	1.64%	0.222%
30	12.808	3646	3660	3670	rBV4	61009	112635	2.98%	0.403%
31	13.037	3723	3731	3739	rBV6	26929	43287	1.15%	0.155%
32	14.033	4025	4041	4050	rBV6	17558	38837	1.03%	0.139%
33	14.564	4196	4206	4224	rVB	25335	47579	1.26%	0.170%
34	14.744	4251	4262	4275	rBV2	36374	65910	1.74%	0.236%

Sum of corrected areas: 27920824

Instrument :
MSVOA_V
ClientSampleId :
MW-9

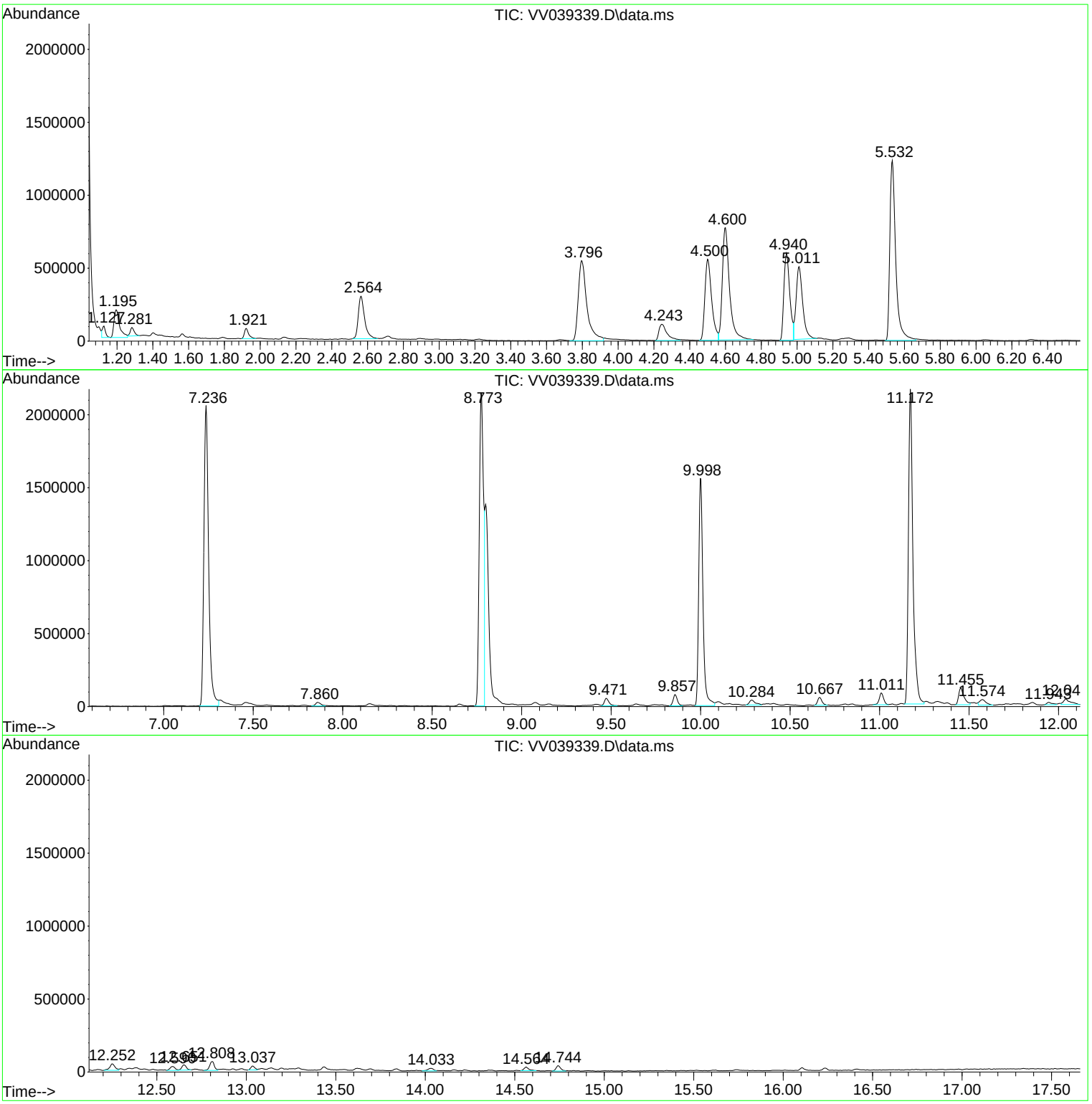
Sample Results: **VV039339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-9

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: **VV039339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-9

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 : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-9

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: **VV039340.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:	11/05/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-10	SDG No.:	Q3552
Lab Sample ID:	Q3552-04	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	11/05/25 16:58	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 16:58	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:58	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 16:58	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 16:58	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 16:58	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:58	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:58	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:58	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:58	VV110525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:58	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 16:58	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 16:58	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:58	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:58	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:58	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 16:58	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:58	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:58	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:58	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:58	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:58	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:58	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:58	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:58	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 16:58	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:58	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:58	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 16:58	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 16:58	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 16:58	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:58	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:58	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 16:58	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 16:58	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:58	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:58	VV110525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 16:58	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 16:58	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 16:58	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 16:58	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:58	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:58	VV110525

Raw Data: **VV039340.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:	11/05/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-10	SDG No.:	Q3552
Lab Sample ID:	Q3552-04	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	11/05/25 16:58	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:58	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:58	VV110525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:58	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:58	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 16:58	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:58	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:58	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.0			70 (74) - 130 (125)	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.1			70 (75) - 130 (124)	100%	SPK: 50		
2037-26-5	Toluene-d8	45.6			70 (86) - 130 (113)	91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.1			70 (77) - 130 (121)	84%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	603000							
540-36-3	1,4-Difluorobenzene	1110000							
3114-55-4	Chlorobenzene-d5	1060000							
3855-82-1	1,4-Dichlorobenzene-d4	465000							

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: **VV039340.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Quant Time: Nov 06 00:18:14 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	602545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1106968	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1064655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	465301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	487765	56.970	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 113.940%			
35) Dibromofluoromethane	4.500	113	437090	50.113	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.220%			
50) Toluene-d8	7.236	98	1353951	45.630	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 91.260%			
62) 4-Bromofluorobenzene	9.998	95	444508	42.064	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 84.120%#			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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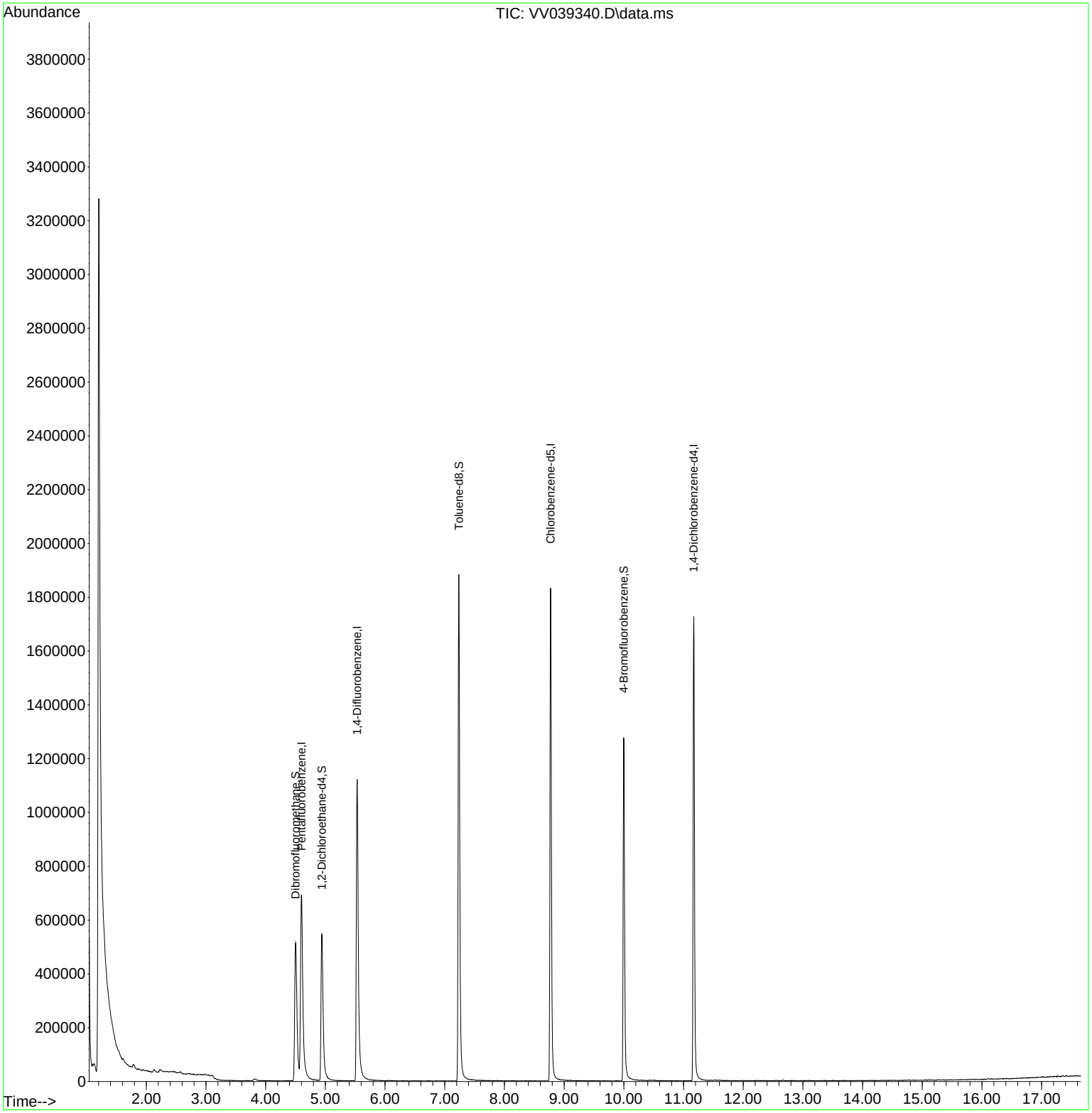
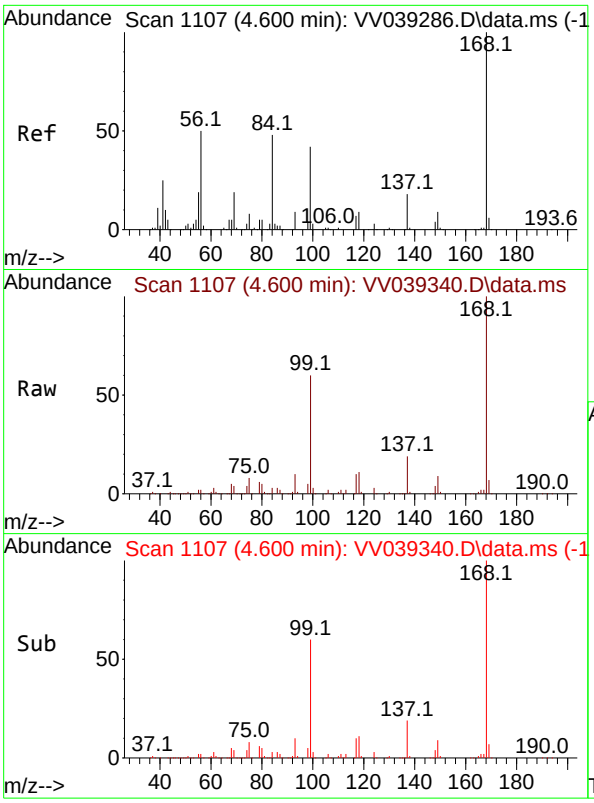
Quant Time: Nov 06 00:18:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration



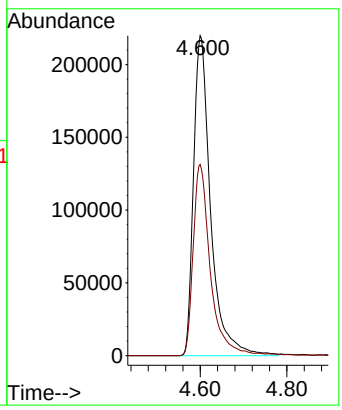


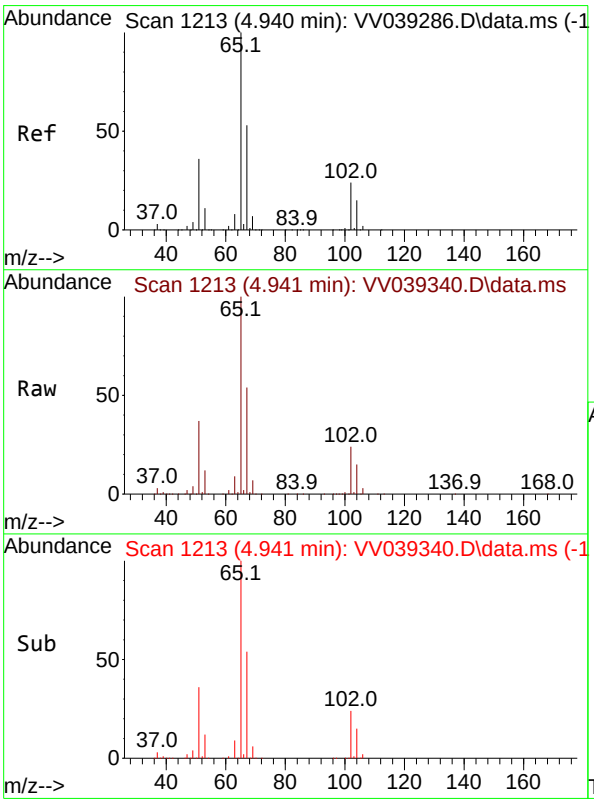
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Tgt Ion:168 Resp: 602545

Ion	Ratio	Lower	Upper
168	100		
99	59.7	46.6	70.0

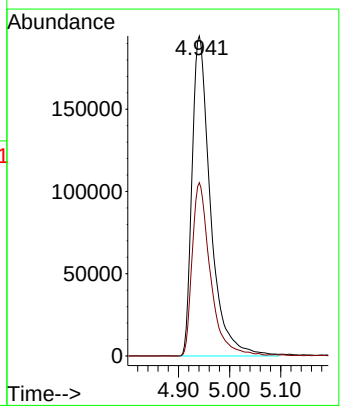


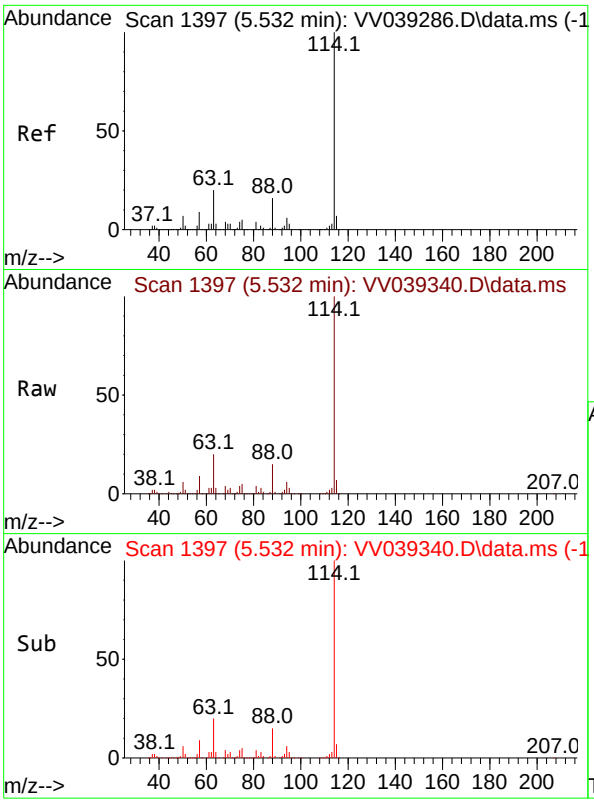


#33
1,2-Dichloroethane-d4
Concen: 56.970 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Tgt Ion: 65 Resp: 487765

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.4



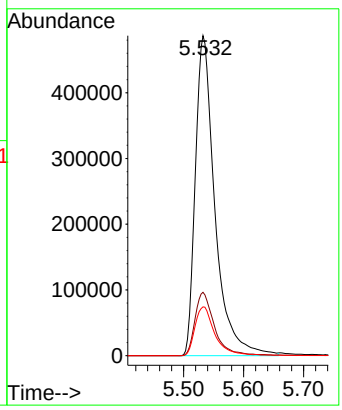


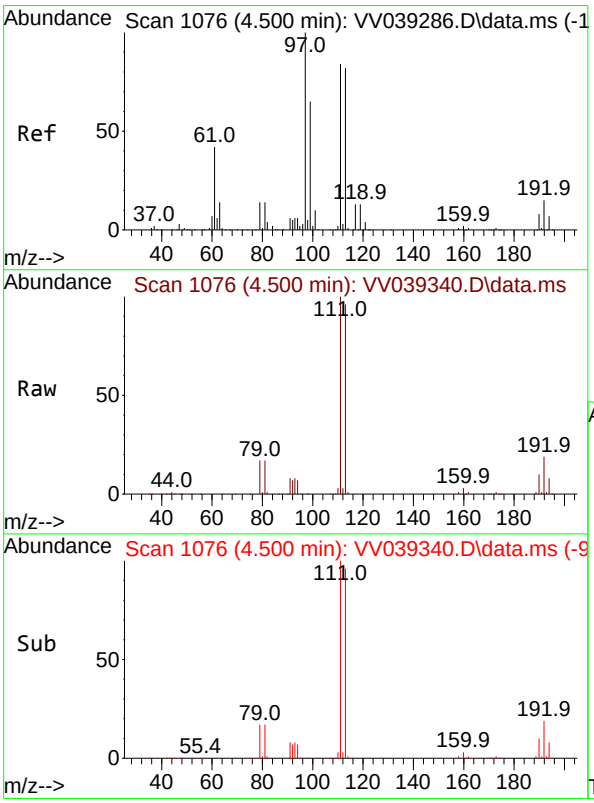
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Tgt Ion:114 Resp: 1106968

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.3	0.0	31.6

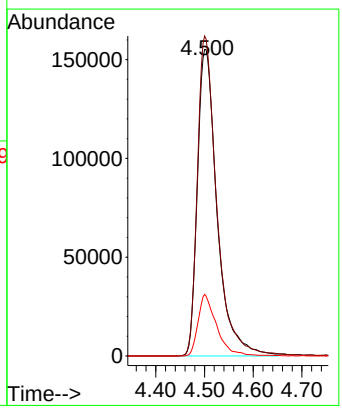


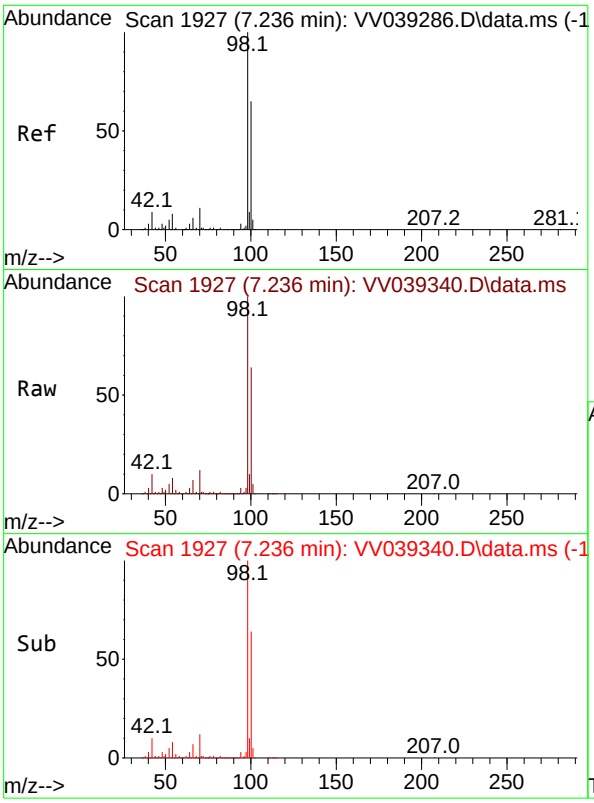


#35
Dibromofluoromethane
Concen: 50.113 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Tgt Ion:113 Resp: 437090

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	18.8	14.3	21.5



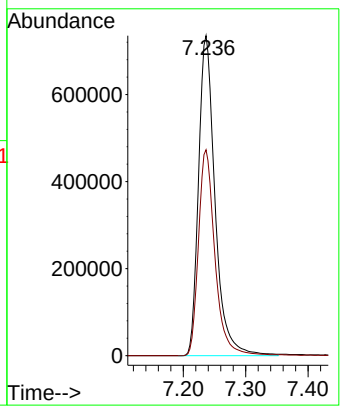


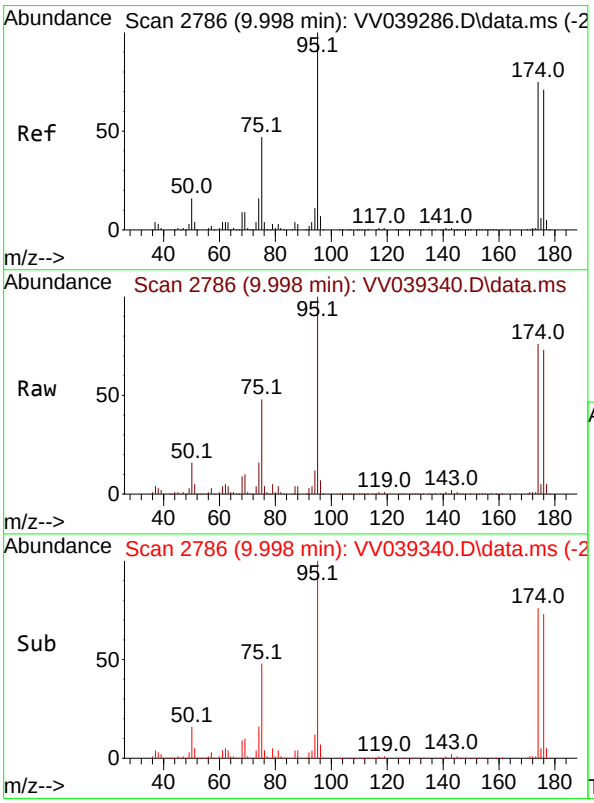
#50
Toluene-d8
Concen: 45.630 ug/l
RT: 7.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Tgt Ion: 98 Resp: 1353951

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2

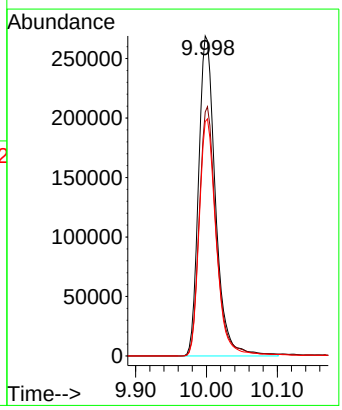


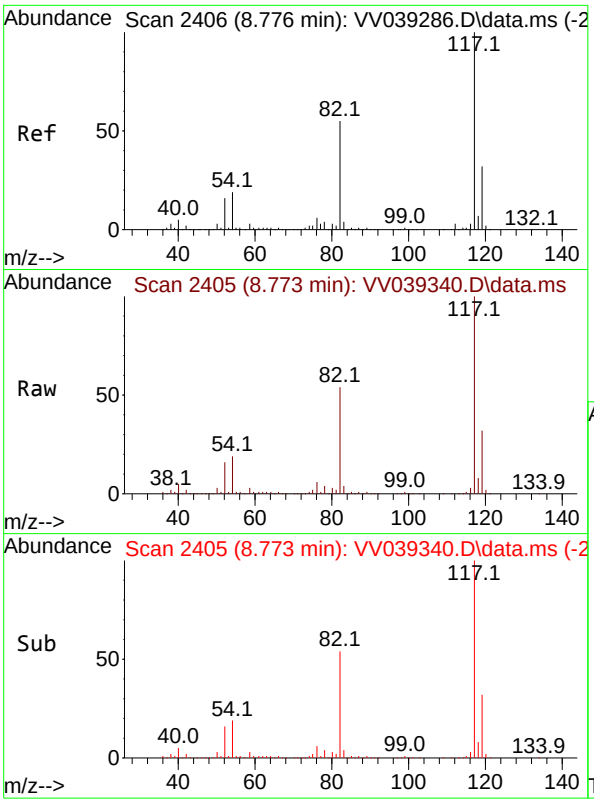


#62
4-Bromofluorobenzene
Concen: 42.064 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Tgt Ion: 95 Resp: 444508

Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	153.6
176	74.3	0.0	146.0



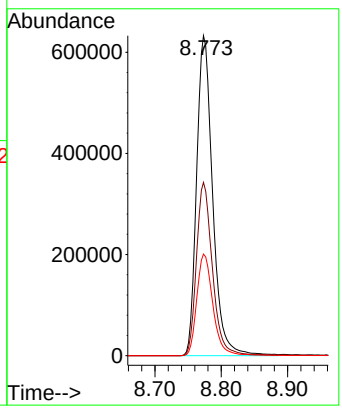


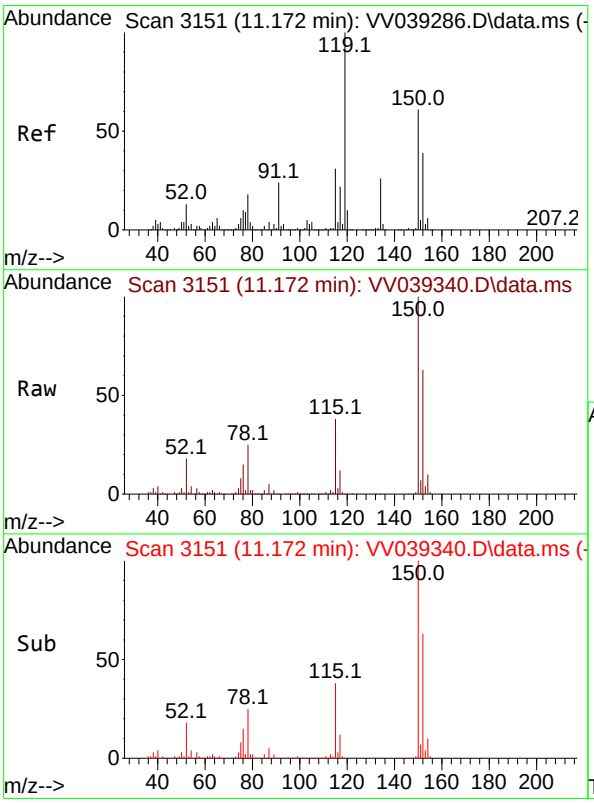
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Tgt Ion:117 Resp: 1064655

Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.8
119	31.7	25.8	38.6

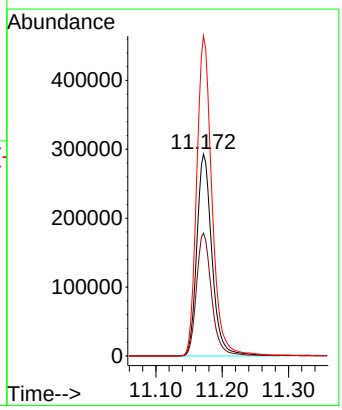




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Tgt Ion:152 Resp: 465301

Ion	Ratio	Lower	Upper
152	100		
115	60.8	42.3	126.8
150	159.2	0.0	348.0



Sample Results: **VV039340.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10

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: VV039340.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	39	51	172	rBV	3244662	12724685	100.00%	40.367%
2	4.500	1057	1076	1095	rBV	512363	1358322	10.67%	4.309%
3	4.600	1095	1107	1156	rVB	687214	1909238	15.00%	6.057%
4	4.941	1201	1213	1242	rBV	543283	1356881	10.66%	4.304%
5	5.532	1385	1397	1445	rBV	1119877	2601554	20.44%	8.253%
6	7.236	1914	1927	1977	rBV	1882419	3537890	27.80%	11.223%
7	8.773	2390	2405	2433	rBV	1832100	3107042	24.42%	9.857%
8	9.998	2776	2786	2818	rBV	1275958	2153207	16.92%	6.831%
9	11.172	3140	3151	3182	rBV	1725175	2773660	21.80%	8.799%

Sum of corrected areas: 31522479

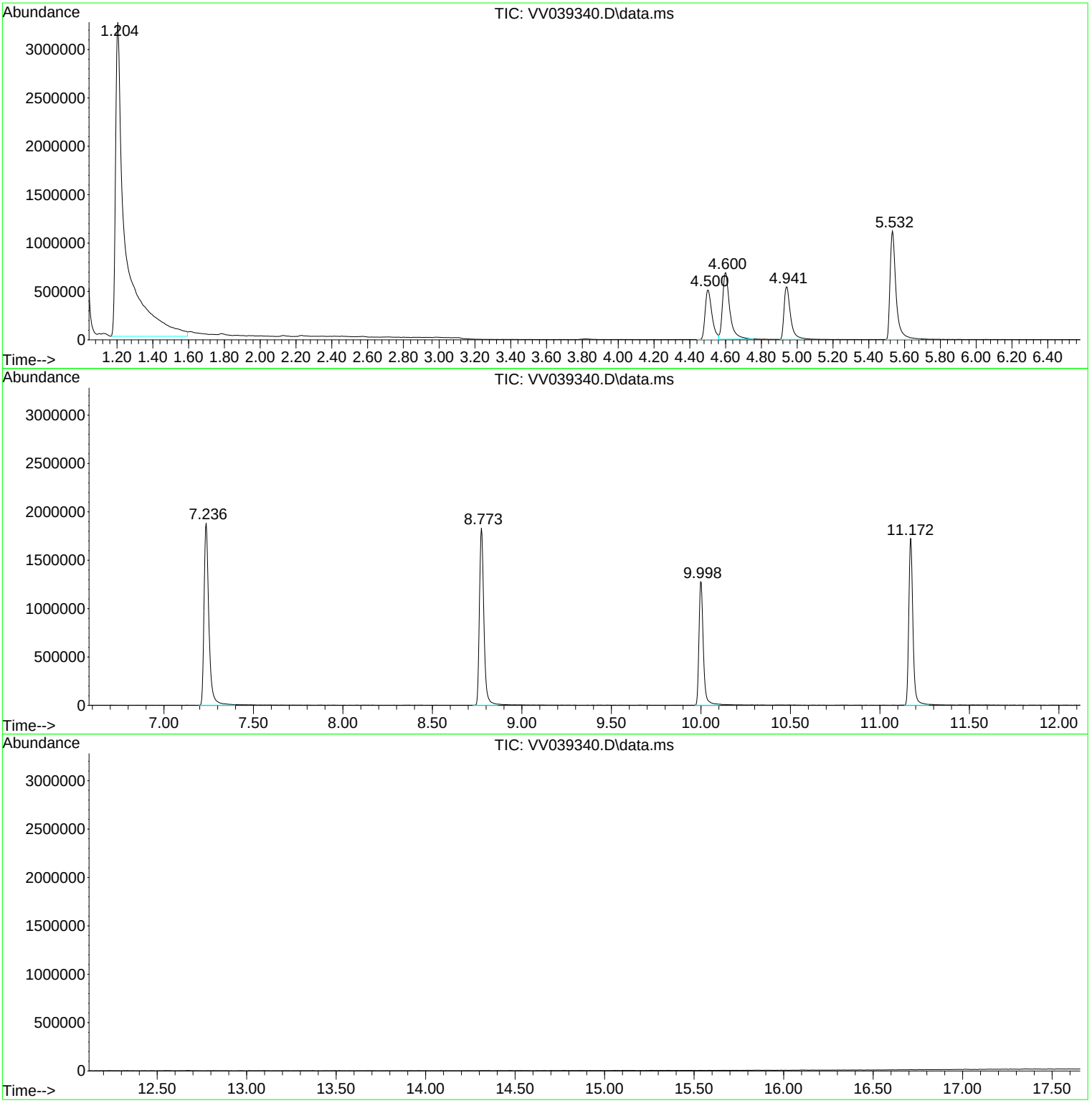
Sample Results: **VV039340.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10

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: **VV039340.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10

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 : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10

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: **VV039341.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:	11/05/25
Client Sample ID:	MW-3	SDG No.:	Q3552
Lab Sample ID:	Q3552-05	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	0.58	J	1	0.22	1.00	ug/L	11/05/25 17:20	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 17:20	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 17:20	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 17:20	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 17:20	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 17:20	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:20	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:20	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 17:20	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 17:20	VV110525
1634-04-4	Methyl tert-butyl Ether	0.30	J	1	0.16	1.00	ug/L	11/05/25 17:20	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 17:20	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 17:20	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:20	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:20	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 17:20	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 17:20	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:20	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 17:20	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:20	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:20	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:20	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:20	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 17:20	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:20	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 17:20	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:20	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:20	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 17:20	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 17:20	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 17:20	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:20	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 17:20	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 17:20	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 17:20	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 17:20	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:20	VV110525
108-90-7	Chlorobenzene	3.20		1	0.12	1.00	ug/L	11/05/25 17:20	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 17:20	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 17:20	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 17:20	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 17:20	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 17:20	VV110525

Raw Data: **VV039341.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-3	SDG No.:	Q3552
Lab Sample ID:	Q3552-05	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	4.40		1	0.12	1.00	ug/L	11/05/25 17:20	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 17:20	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:20	VV110525
106-46-7	1,4-Dichlorobenzene	1.30		1	0.19	1.00	ug/L	11/05/25 17:20	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:20	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 17:20	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:20	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:20	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.9			70 (74) - 130 (125)	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.8			70 (75) - 130 (124)	98%	SPK: 50		
2037-26-5	Toluene-d8	46.5			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.9			70 (77) - 130 (121)	98%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	930000							
540-36-3	1,4-Difluorobenzene	1730000							
3114-55-4	Chlorobenzene-d5	1620000							
3855-82-1	1,4-Dichlorobenzene-d4	754000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	1.80	J			1.92	ug/L		
75-65-0	Tert butyl alcohol	100	J			2.56	ug/L		
109-99-9	Tetrahydrofuran	14.8	J			4.24	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\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Quant Time: Nov 06 00:18:38 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

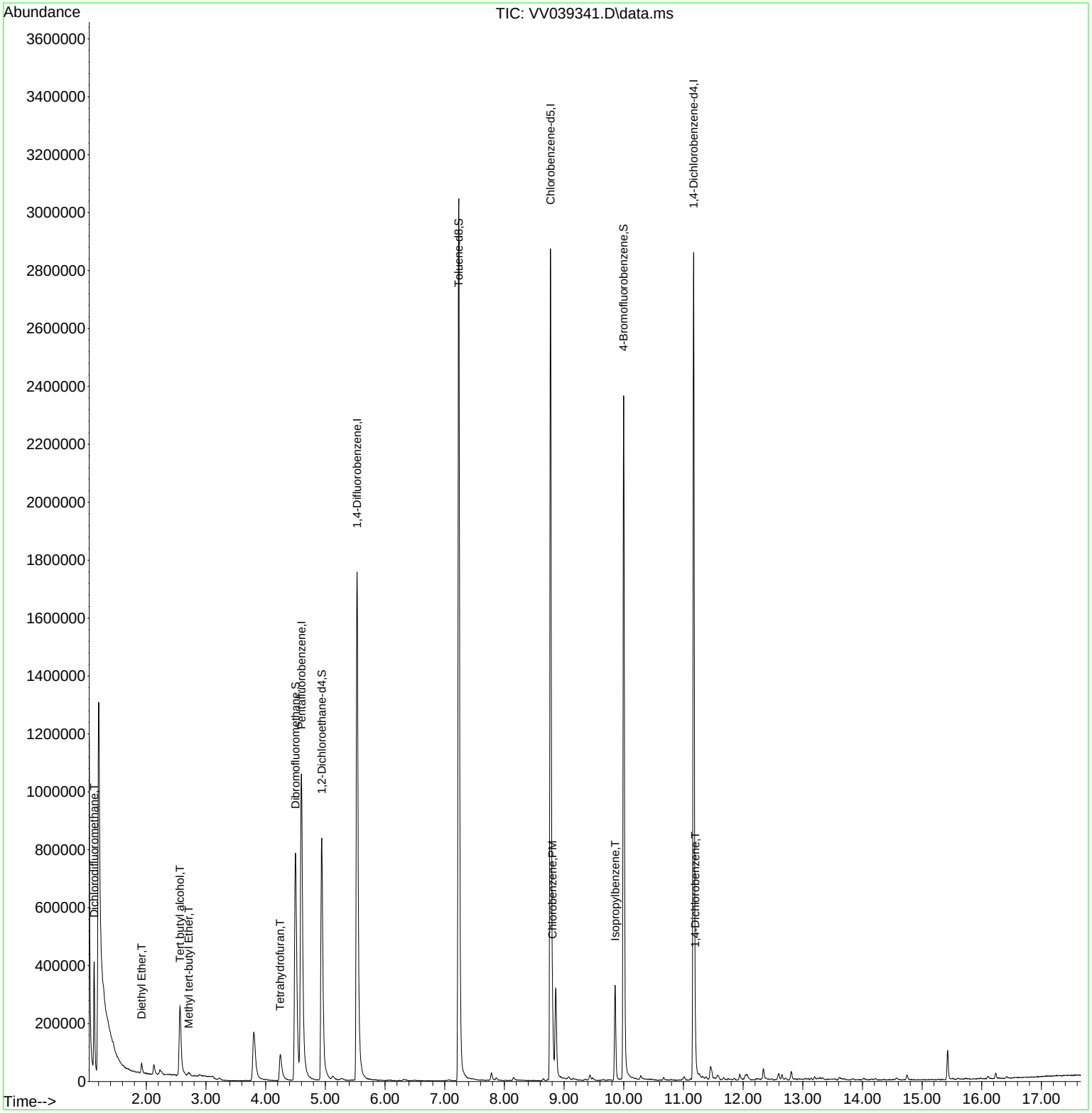
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	929578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1730000	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1622898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	753769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	738888	55.939	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 111.880%			
35) Dibromofluoromethane	4.500	113	664719	48.765	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.520%			
50) Toluene-d8	7.236	98	2155329	46.478	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.960%			
62) 4-Bromofluorobenzene	9.998	95	807720	48.908	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 97.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	6847	0.583	ug/l	100
8) Diethyl Ether	1.921	74	13970	1.813	ug/l	92
11) Tert butyl alcohol	2.564	59	264639	103.382	ug/l	96
19) Methyl tert-butyl Ether	2.712	73	11311	0.300	ug/l	96
29) Tetrahydrofuran	4.243	42	76493	14.810	ug/l	97
65) Chlorobenzene	8.805	112	124056	3.229	ug/l	100
73) Isopropylbenzene	9.857	105	202650	4.427	ug/l	99
88) 1,4-Dichlorobenzene	11.197	146	35896	1.278	ug/l #	69

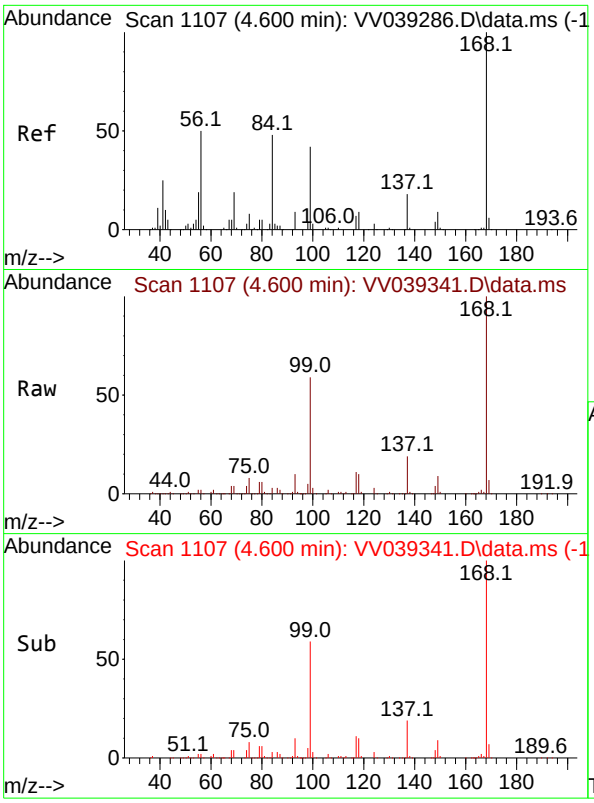
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Quant Time: Nov 06 00:18:38 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



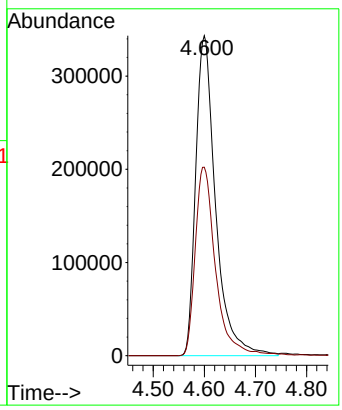


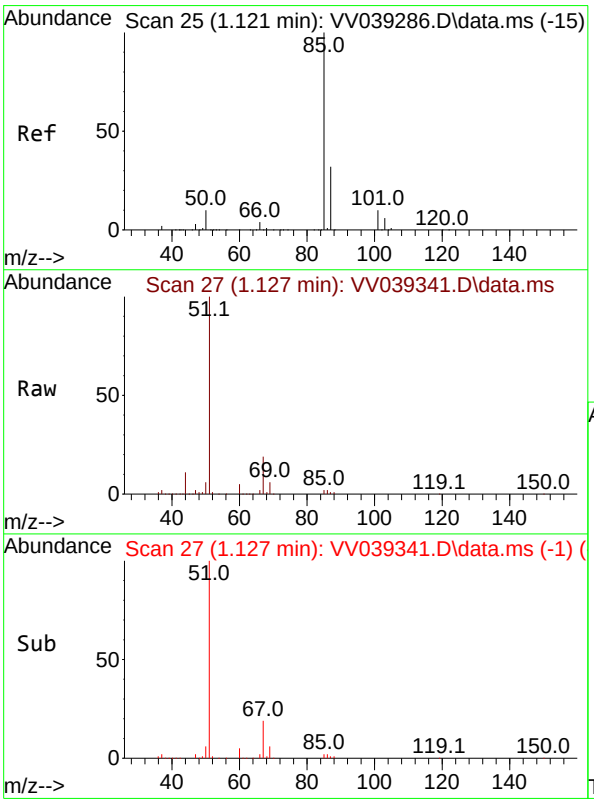
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion:168 Resp: 929578

Ion	Ratio	Lower	Upper
168	100		
99	58.9	46.6	70.0

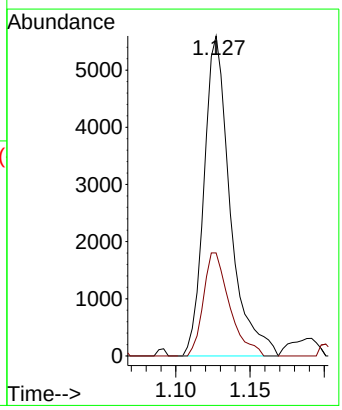


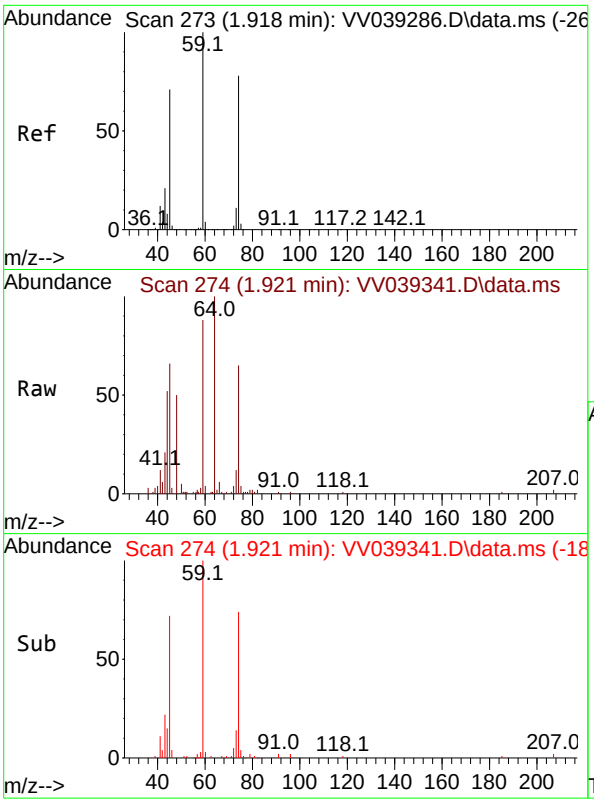


#2
Dichlorodifluoromethane
Concen: 0.583 ug/l
RT: 1.127 min Scan# 27
Delta R.T. 0.006 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 85 Resp: 6847

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.1	48.2



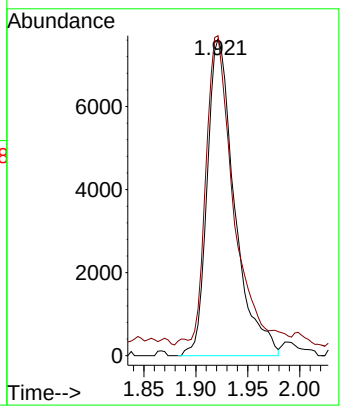


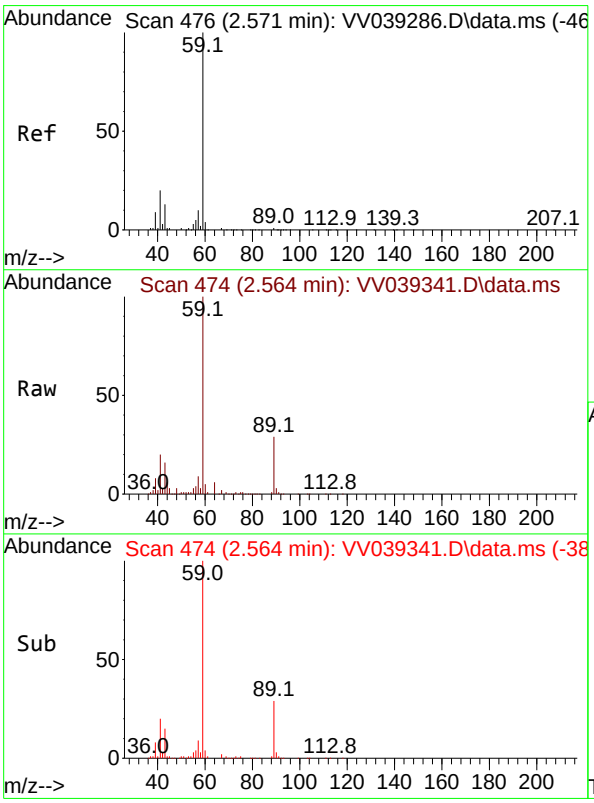
#8
Diethyl Ether
Concen: 1.813 ug/l
RT: 1.921 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion: 74 Resp: 13970

Ion	Ratio	Lower	Upper
74	100		
45	99.3	45.9	137.7

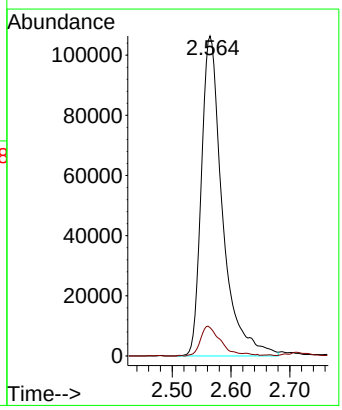


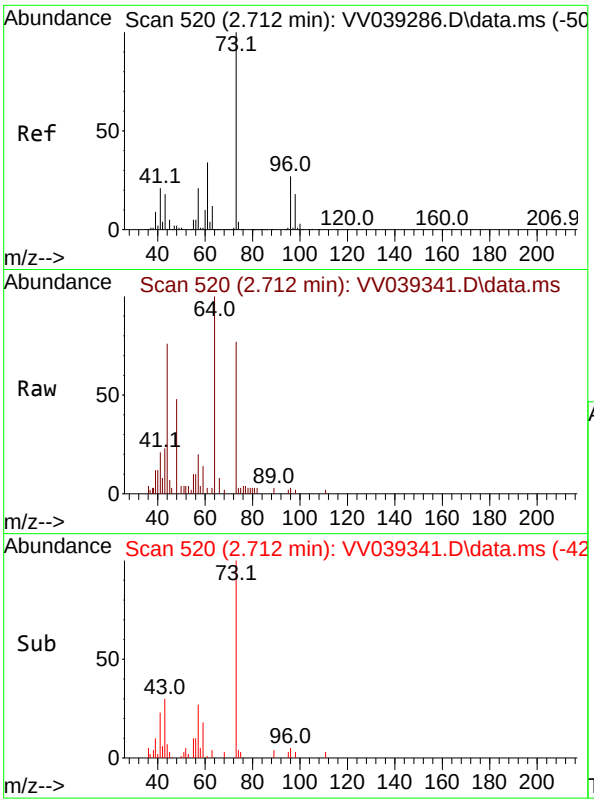


#11
Tert butyl alcohol
Concen: 103.382 ug/l
RT: 2.564 min Scan# 474
Delta R.T. -0.006 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 59 Resp: 264639

Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.1	12.1



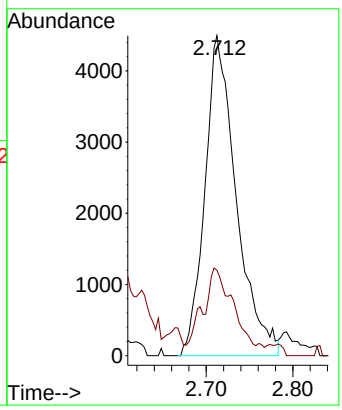


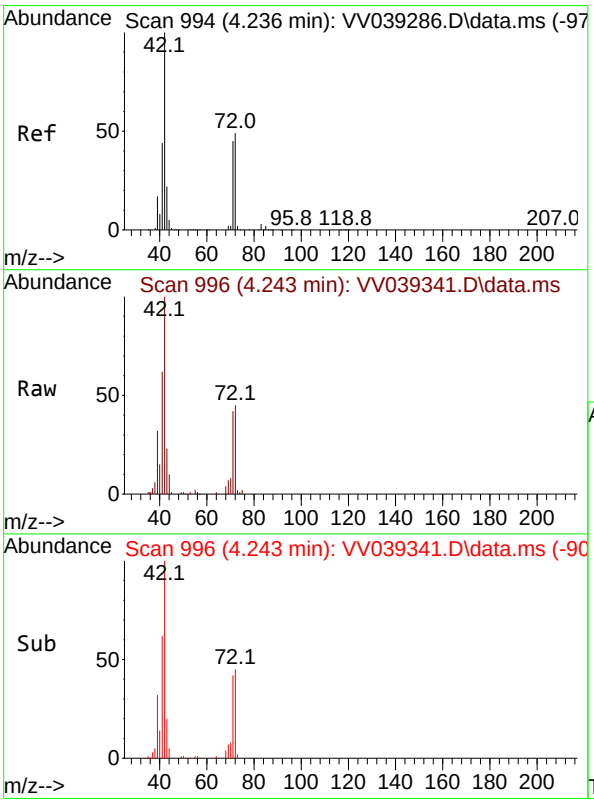
#19
Methyl tert-butyl Ether
Concen: 0.300 ug/l
RT: 2.712 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion: 73 Resp: 11311

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.0	25.6

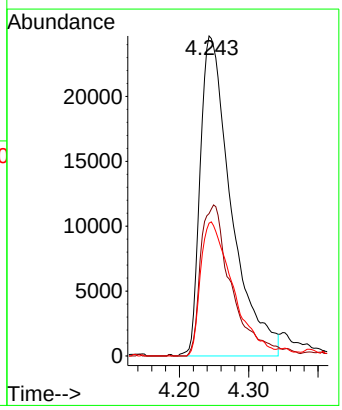


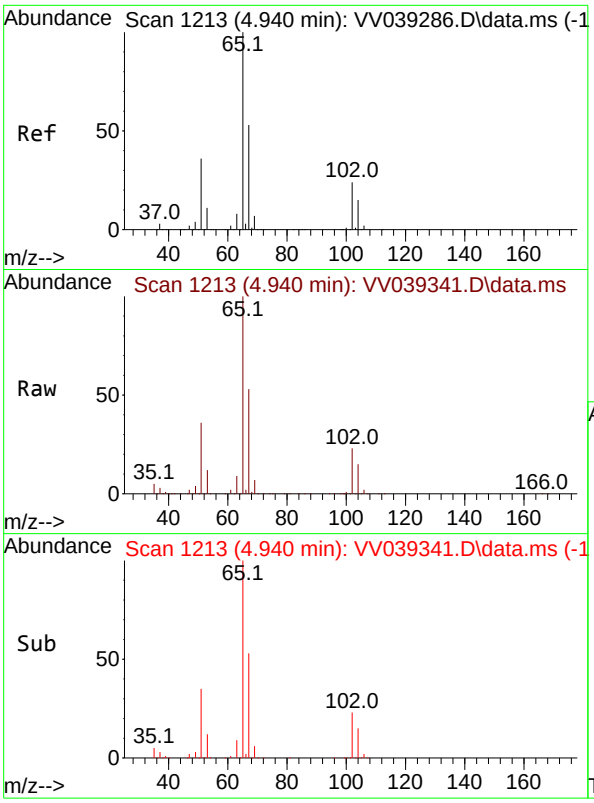


#29
Tetrahydrofuran
Concen: 14.810 ug/l
RT: 4.243 min Scan# 996
Delta R.T. 0.006 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 42 Resp: 76493

Ion	Ratio	Lower	Upper
42	100		
72	47.1	39.8	59.8
71	43.9	36.5	54.7



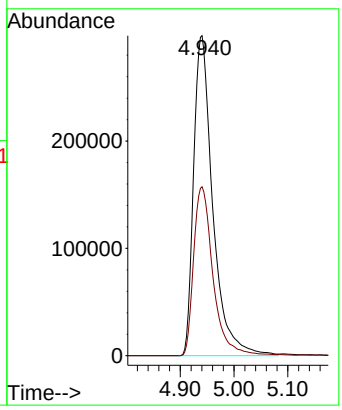


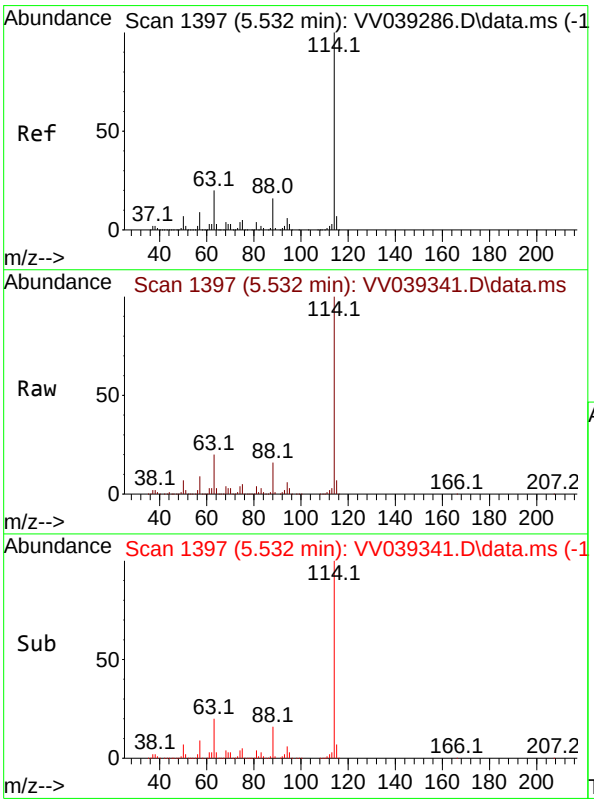
#33
1,2-Dichloroethane-d4
Concen: 55.939 ug/l
RT: 4.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion: 65 Resp: 738888

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.4

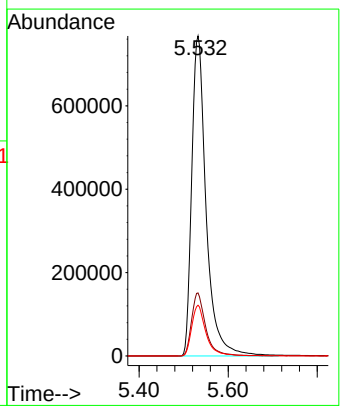


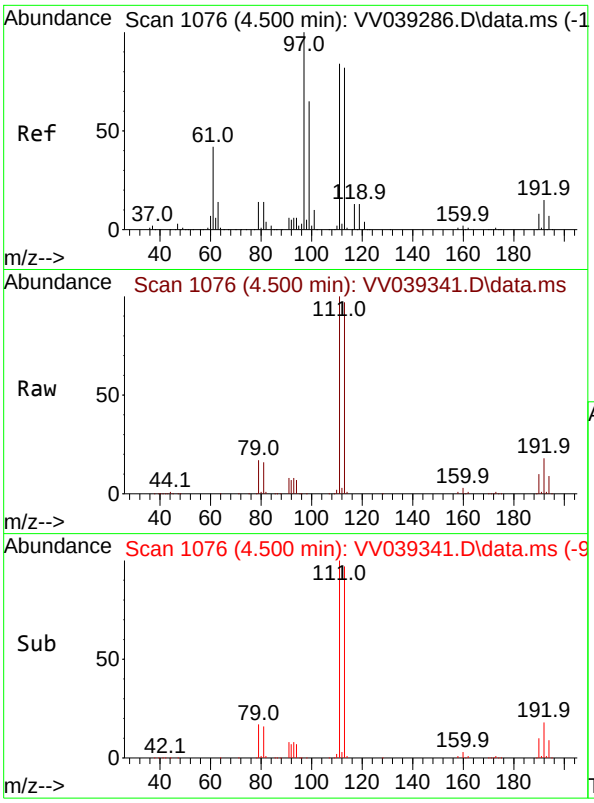


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion:114 Resp: 1730000

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.8	0.0	31.6



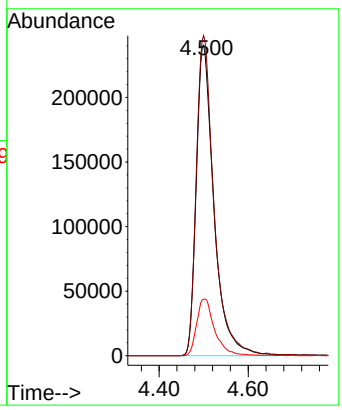


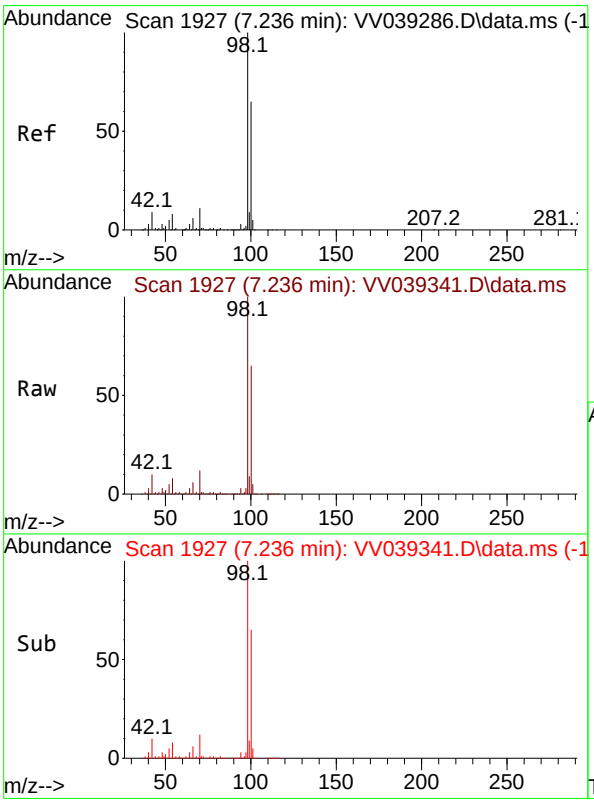
#35
Dibromofluoromethane
Concen: 48.765 ug/l
RT: 4.500 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion:113 Resp: 664719

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	18.6	14.3	21.5

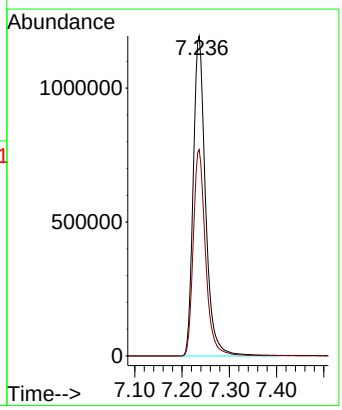


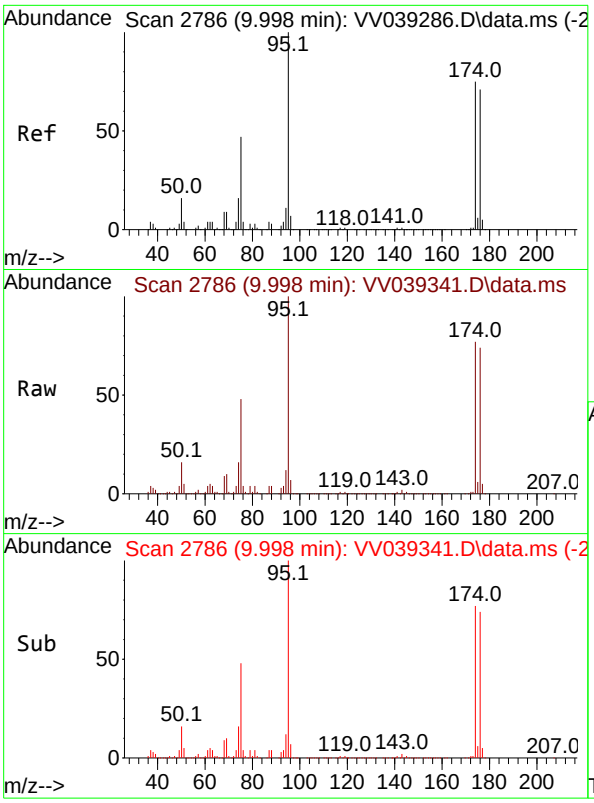


#50
Toluene-d8
Concen: 46.478 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 98 Resp: 2155329

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2



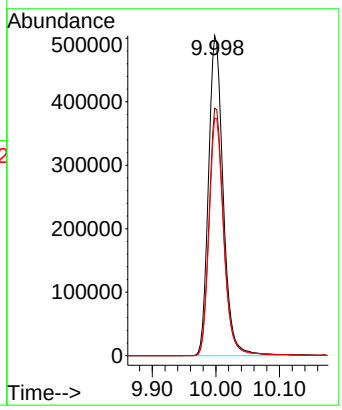


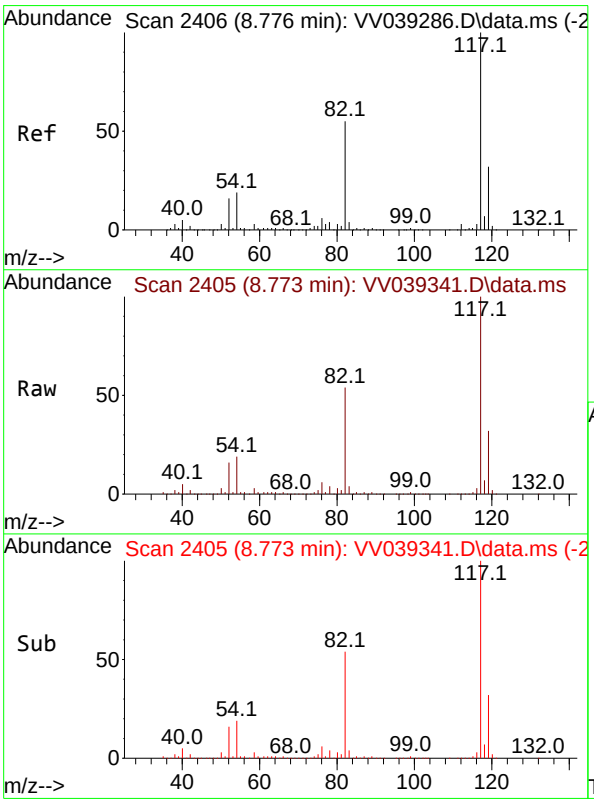
#62
4-Bromofluorobenzene
Concen: 48.908 ug/l
RT: 9.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion: 95 Resp: 807720

Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	153.6
176	74.1	0.0	146.0

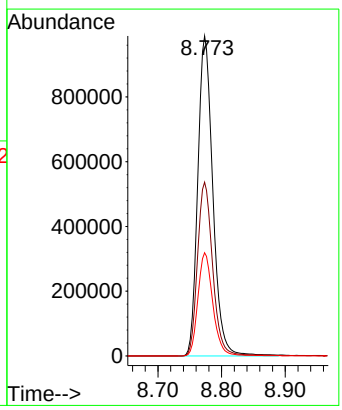


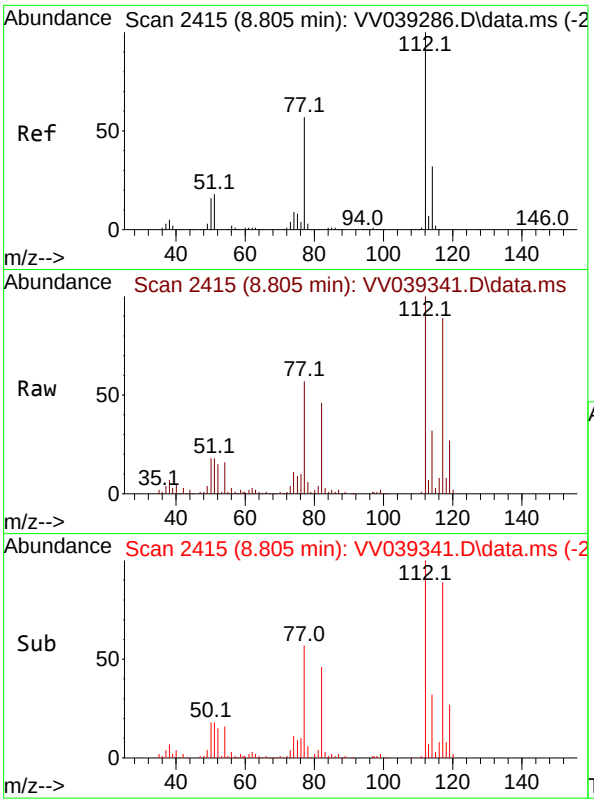


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion:117 Resp: 1622898

Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.8	65.8
119	32.3	25.8	38.6



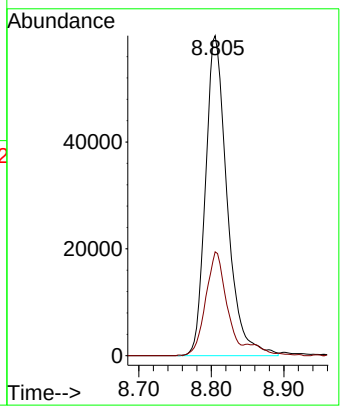


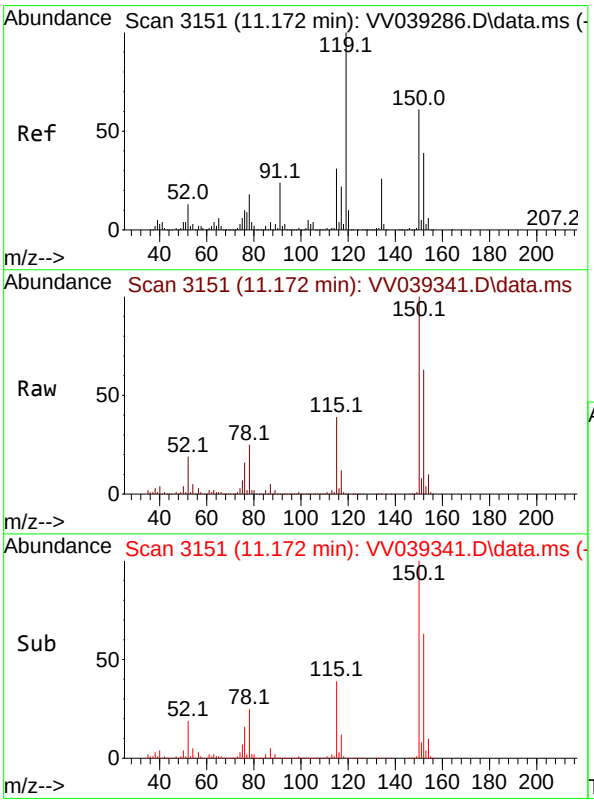
#65
Chlorobenzene
Concen: 3.229 ug/l
RT: 8.805 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion:112 Resp: 124056

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.7	38.5

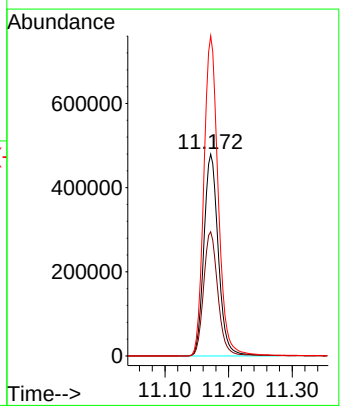


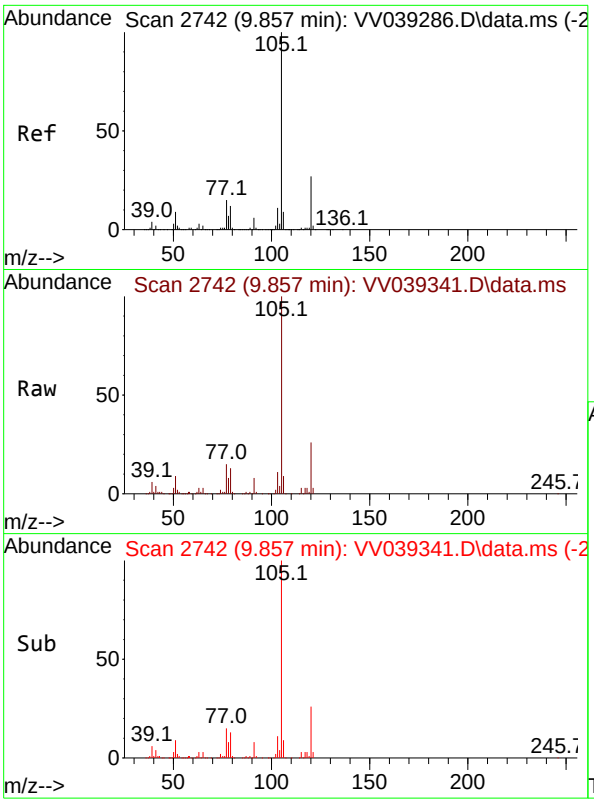


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion:152 Resp: 753769

Ion	Ratio	Lower	Upper
152	100		
115	61.3	42.3	126.8
150	158.4	0.0	348.0



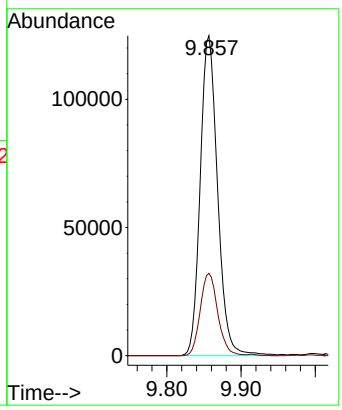


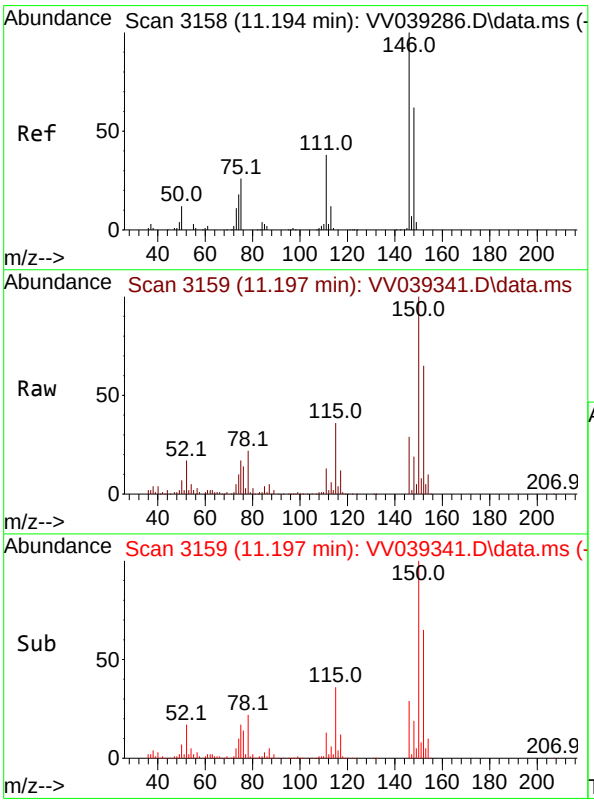
#73
Isopropylbenzene
Concen: 4.427 ug/l
RT: 9.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion:105 Resp: 202650

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

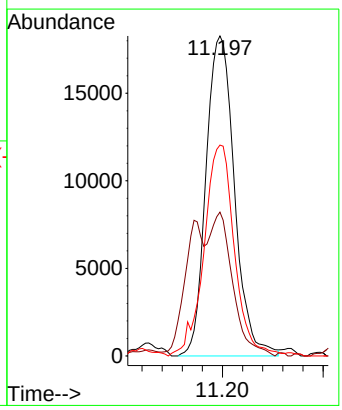




#88
1,4-Dichlorobenzene
Concen: 1.278 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion:146 Resp: 35896

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.7	59.0#
148	70.4	31.5	94.5



Sample Results: **VV039341.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-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: VV039341.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	373989	461218	8.30%	1.188%
2	1.201	38	50	122	rBV	1270277	5460897	98.27%	14.067%
3	2.564	463	474	509	rVB2	237302	585471	10.54%	1.508%
4	3.802	842	859	897	rBV	166413	575059	10.35%	1.481%
5	4.246	985	997	1026	rBV2	89429	275308	4.95%	0.709%
6	4.500	1059	1076	1094	rBV2	784173	2065012	37.16%	5.320%
7	4.600	1094	1107	1148	rVB	1050524	2880609	51.84%	7.421%
8	4.940	1200	1213	1260	rBV	833758	2082625	37.48%	5.365%
9	5.532	1385	1397	1448	rBV	1753900	3961020	71.28%	10.204%
10	7.236	1915	1927	1961	rBV	3044952	5557240	100.00%	14.316%
11	8.773	2394	2405	2424	rBV	2869806	5053561	90.94%	13.018%
12	8.860	2424	2432	2452	rVB	303707	585879	10.54%	1.509%
13	9.857	2731	2742	2765	rBV	328473	534464	9.62%	1.377%
14	9.998	2775	2786	2830	rBV	2359313	3818400	68.71%	9.836%
15	11.172	3139	3151	3176	rBV	2854517	4591225	82.62%	11.827%
16	11.455	3230	3239	3253	rBV4	43369	100152	1.80%	0.258%
17	12.339	3500	3514	3524	rBV2	37431	66083	1.19%	0.170%
18	15.429	4464	4475	4487	rBV2	100879	165286	2.97%	0.426%

Sum of corrected areas: 38819509

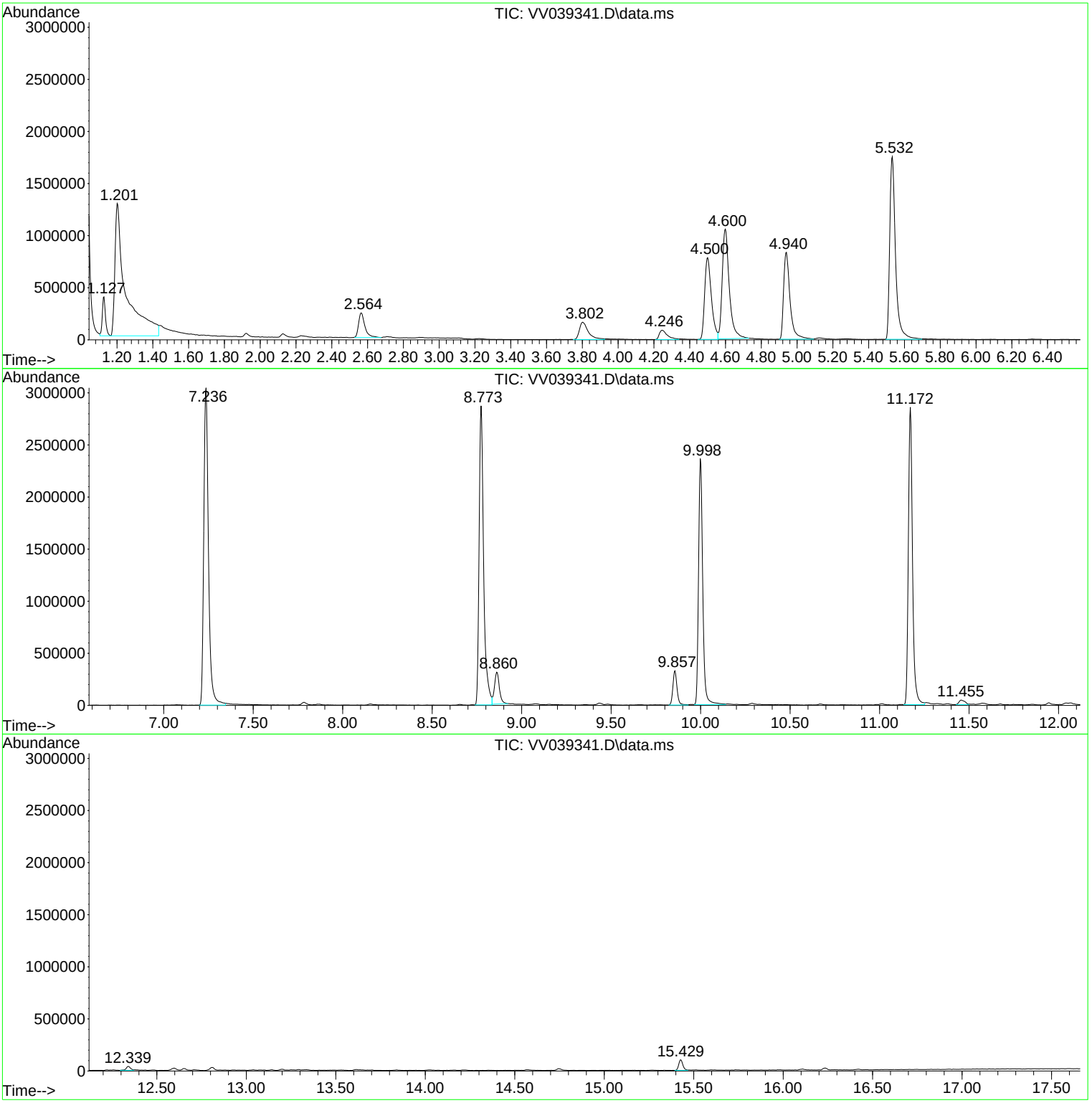
Sample Results: **VV039341.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-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

Sample Results: **VV039341.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-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
****

Sample Results: **VV039341.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-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: **VV039337.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:	11/05/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	TB	SDG No.:	Q3552
Lab Sample ID:	Q3552-06	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	11/05/25 15:50	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 15:50	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 15:50	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 15:50	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 15:50	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 15:50	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 15:50	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 15:50	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 15:50	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 15:50	VV110525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/05/25 15:50	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 15:50	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 15:50	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 15:50	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 15:50	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 15:50	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 15:50	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 15:50	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 15:50	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 15:50	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 15:50	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 15:50	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 15:50	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 15:50	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 15:50	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 15:50	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 15:50	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 15:50	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 15:50	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 15:50	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 15:50	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 15:50	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 15:50	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 15:50	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 15:50	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 15:50	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 15:50	VV110525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 15:50	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 15:50	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 15:50	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 15:50	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 15:50	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 15:50	VV110525

Raw Data: **VV039337.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:	11/05/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	TB	SDG No.:	Q3552
Lab Sample ID:	Q3552-06	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	11/05/25 15:50	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 15:50	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 15:50	VV110525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/05/25 15:50	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 15:50	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 15:50	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 15:50	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 15:50	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.8			70 (74) - 130 (125)	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.3			70 (75) - 130 (124)	97%	SPK: 50		
2037-26-5	Toluene-d8	46.9			70 (86) - 130 (113)	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.5			70 (77) - 130 (121)	87%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	857000							
540-36-3	1,4-Difluorobenzene	1640000							
3114-55-4	Chlorobenzene-d5	1500000							
3855-82-1	1,4-Dichlorobenzene-d4	662000							

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 : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Time: Nov 06 00:16:37 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	4.596	168	856878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1636404	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1498704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	661803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	703372	57.768	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 115.540%			
35) Dibromofluoromethane	4.497	113	623292	48.341	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 96.680%			
50) Toluene-d8	7.233	98	2056521	46.884	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.760%			
62) 4-Bromofluorobenzene	9.998	95	679949	43.526	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 87.060%			

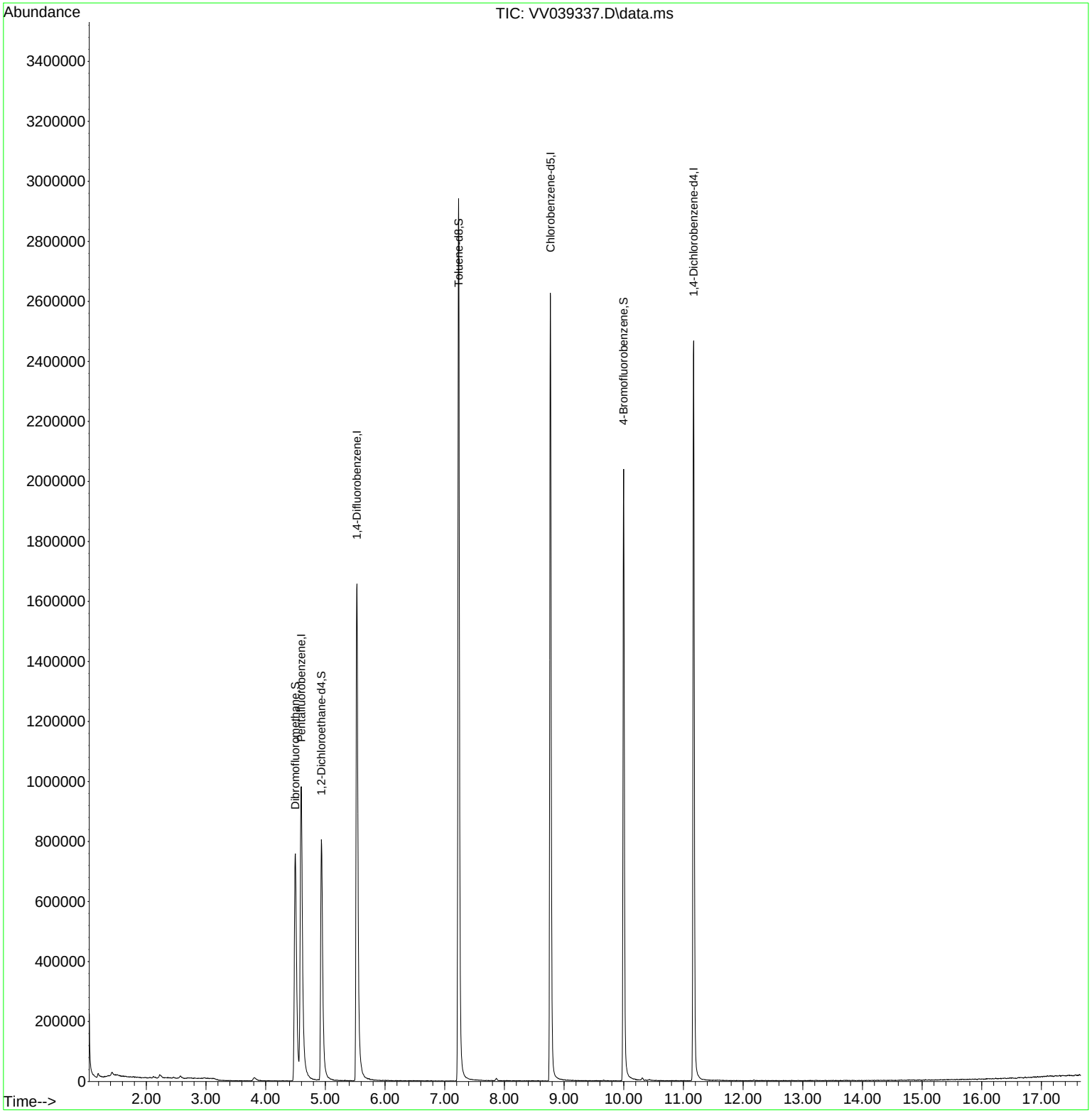
Target Compounds Qvalue

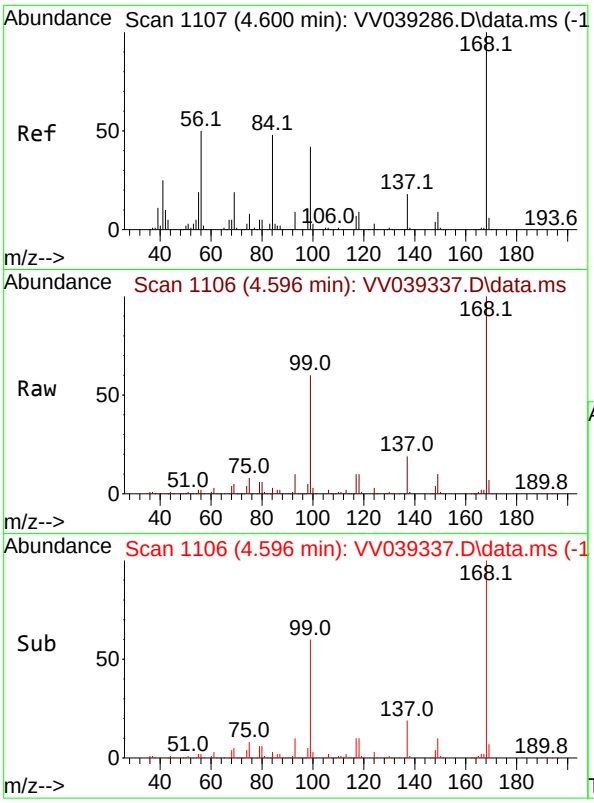
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Time: Nov 06 00:16:37 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



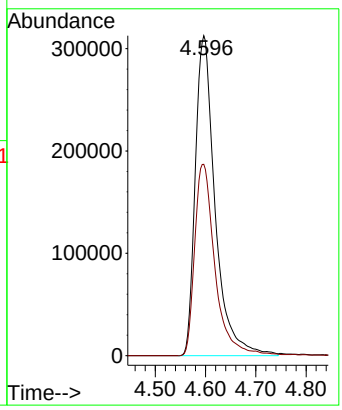


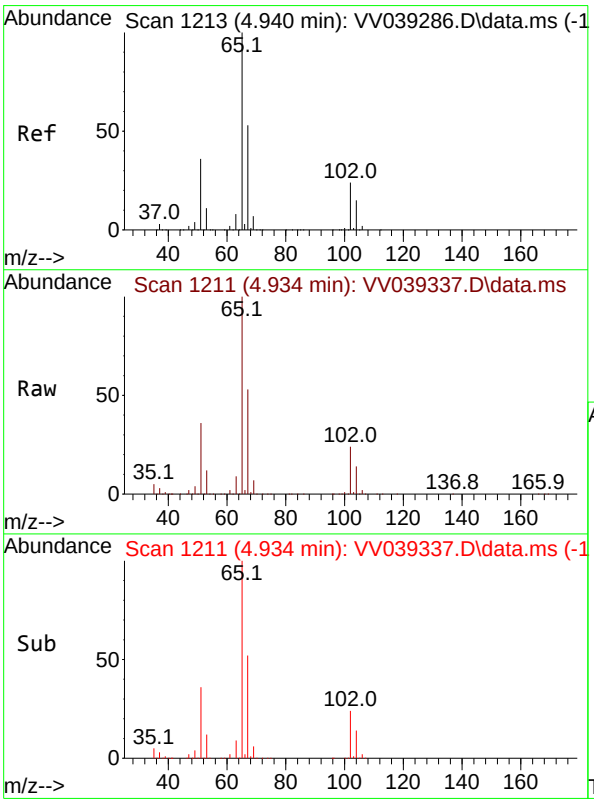
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 11
Delta R.T. -0.004 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:168 Resp: 856878

Ion	Ratio	Lower	Upper
168	100		
99	59.8	46.6	70.0

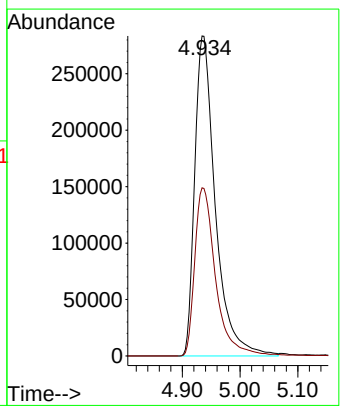


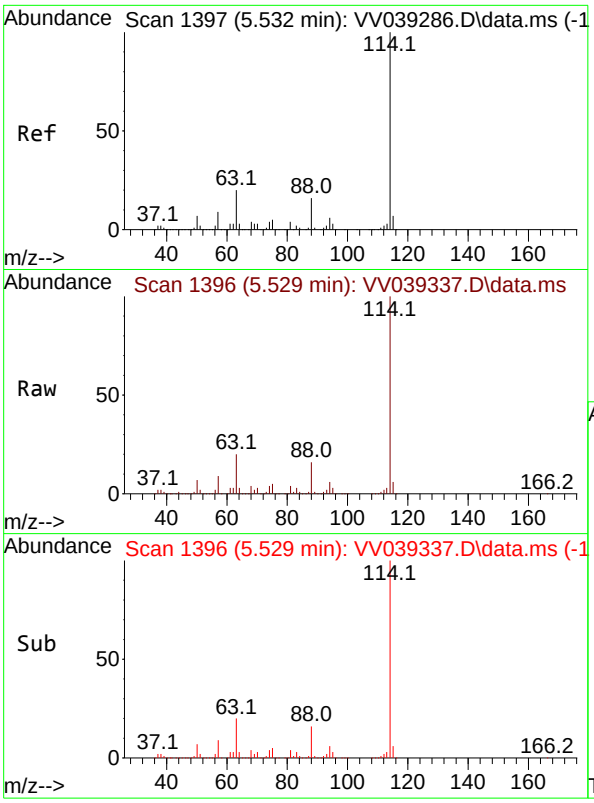


#33
1,2-Dichloroethane-d4
Concen: 57.768 ug/l
RT: 4.934 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Tgt Ion: 65 Resp: 703372

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	108.4



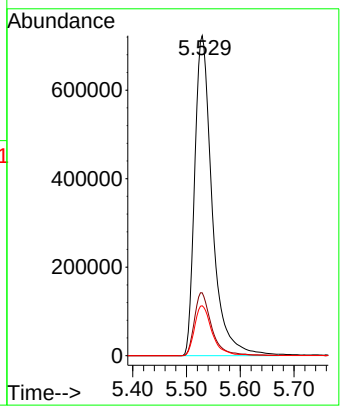


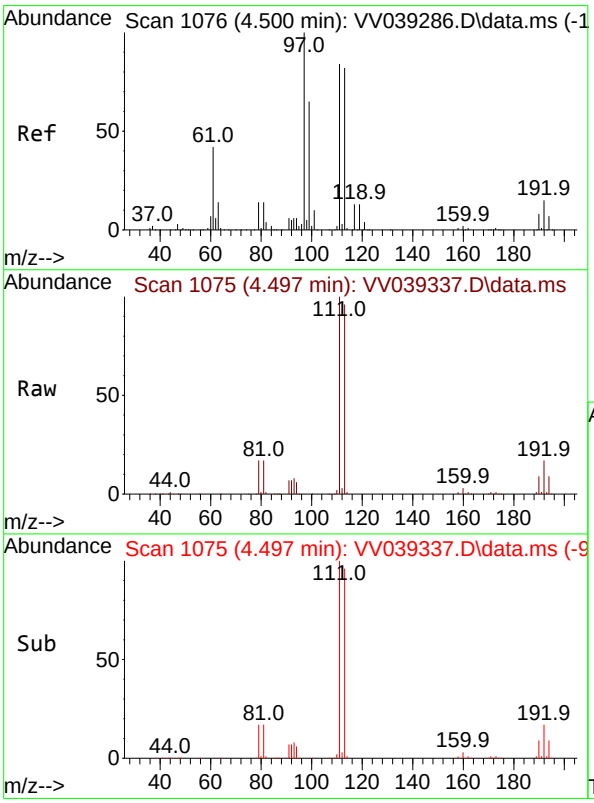
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:114 Resp: 1636404

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	15.6	0.0	31.6

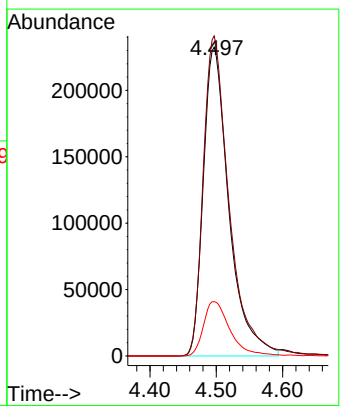


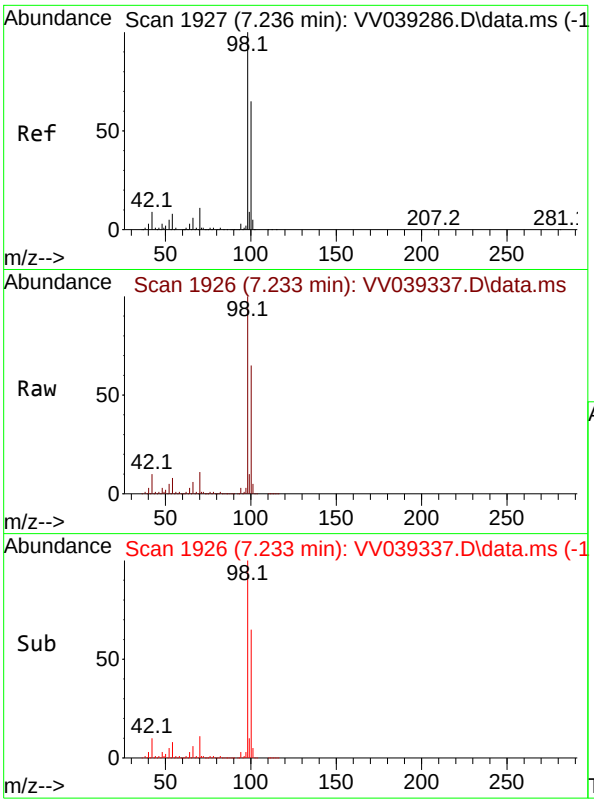


#35
Dibromofluoromethane
Concen: 48.341 ug/l
RT: 4.497 min Scan# 1075
Delta R.T. -0.003 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Tgt Ion:113 Resp: 623292

Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.0	123.0
192	18.2	14.3	21.5



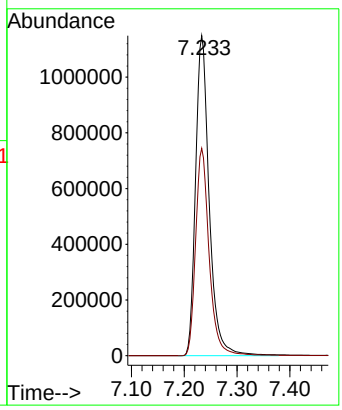


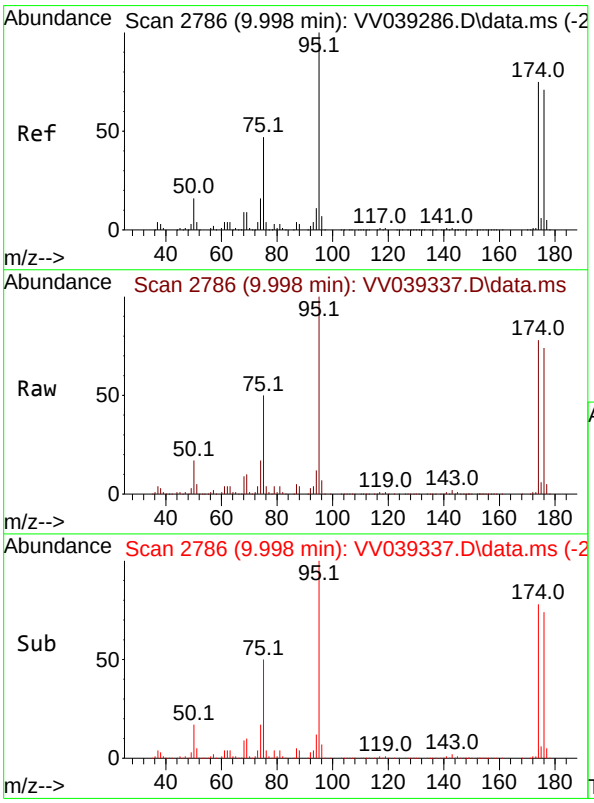
#50
Toluene-d8
Concen: 46.884 ug/l
RT: 7.233 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion: 98 Resp: 2056521

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.8	79.2

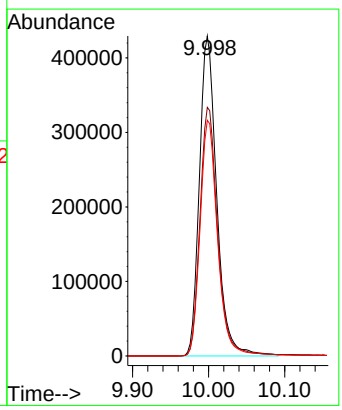


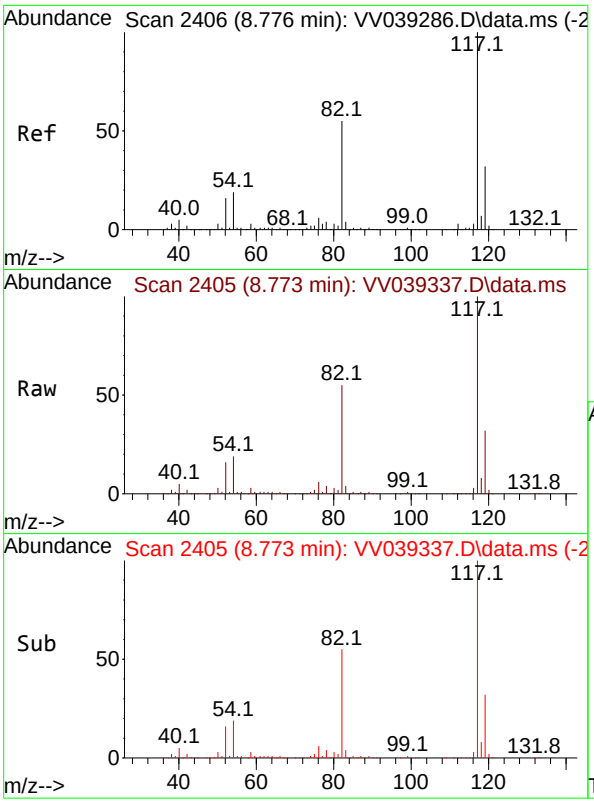


#62
4-Bromofluorobenzene
Concen: 43.526 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Tgt Ion: 95 Resp: 679949

Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	153.6
176	74.6	0.0	146.0



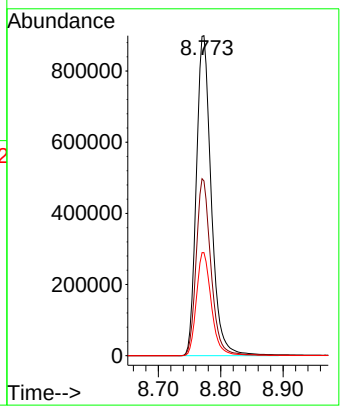


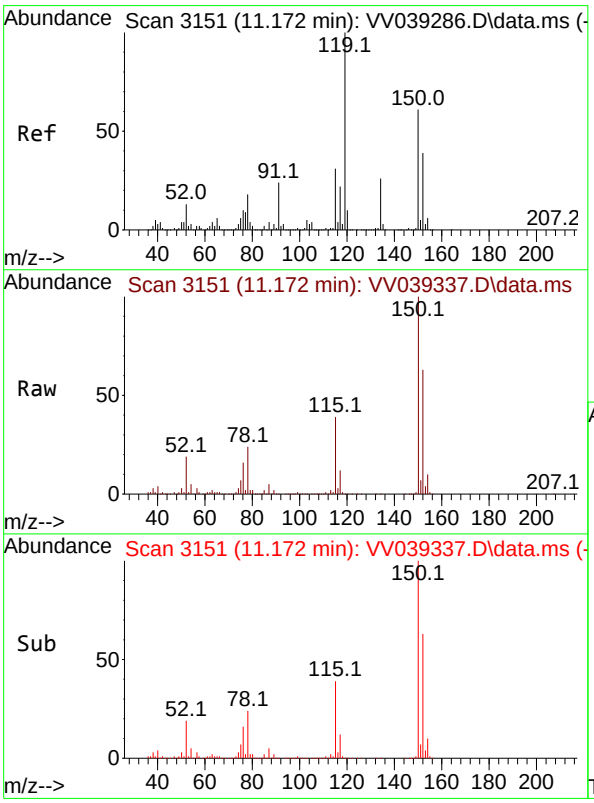
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:117 Resp: 1498704

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

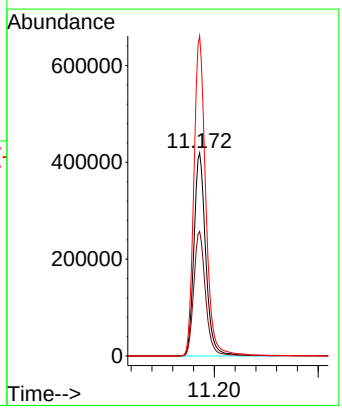




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Tgt Ion:152 Resp: 661803

Ion	Ratio	Lower	Upper
152	100		
115	61.3	42.3	126.8
150	158.6	0.0	348.0



Sample Results: **VV039337.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

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: VV039337.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	1058	1075	1093	rBV	757408	1978012	37.23%	7.225%
2	4.596	1094	1106	1154	rVB	974370	2713991	51.08%	9.914%
3	4.934	1199	1211	1248	rBV2	801265	1961930	36.93%	7.167%
4	5.529	1384	1396	1440	rBV	1654933	3774842	71.05%	13.789%
5	7.233	1913	1926	1965	rBV	2940415	5312792	100.00%	19.407%
6	8.770	2393	2404	2440	rBV	2625646	4414309	83.09%	16.125%
7	9.998	2775	2786	2814	rBV	2038535	3278371	61.71%	11.975%
8	11.172	3139	3151	3197	rBV	2464713	3941759	74.19%	14.399%

Sum of corrected areas: 27376006

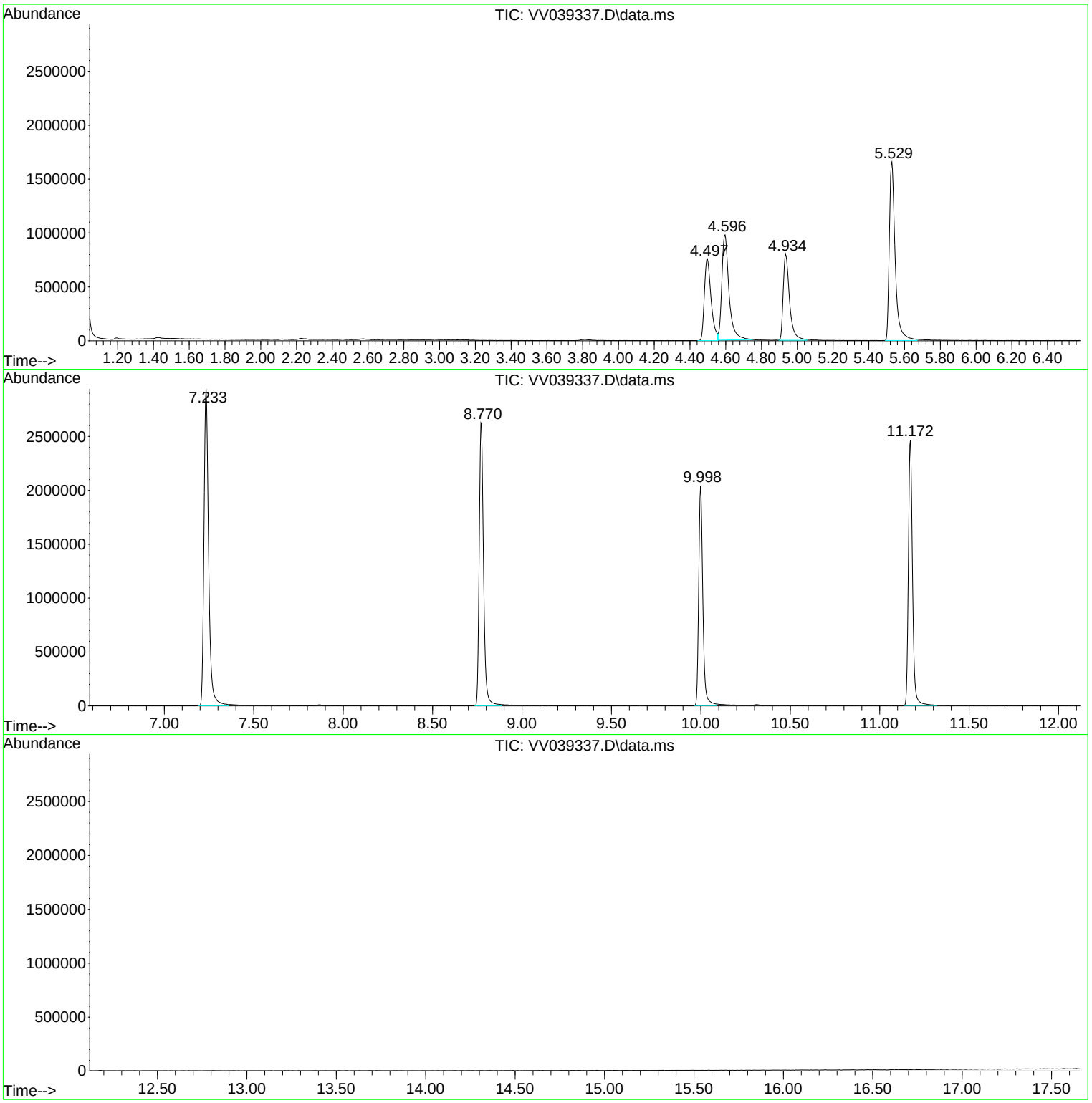
Sample Results: **VV039337.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

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\VV110525\
Data File : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

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 : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

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.: Q3552

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.: Q3552

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

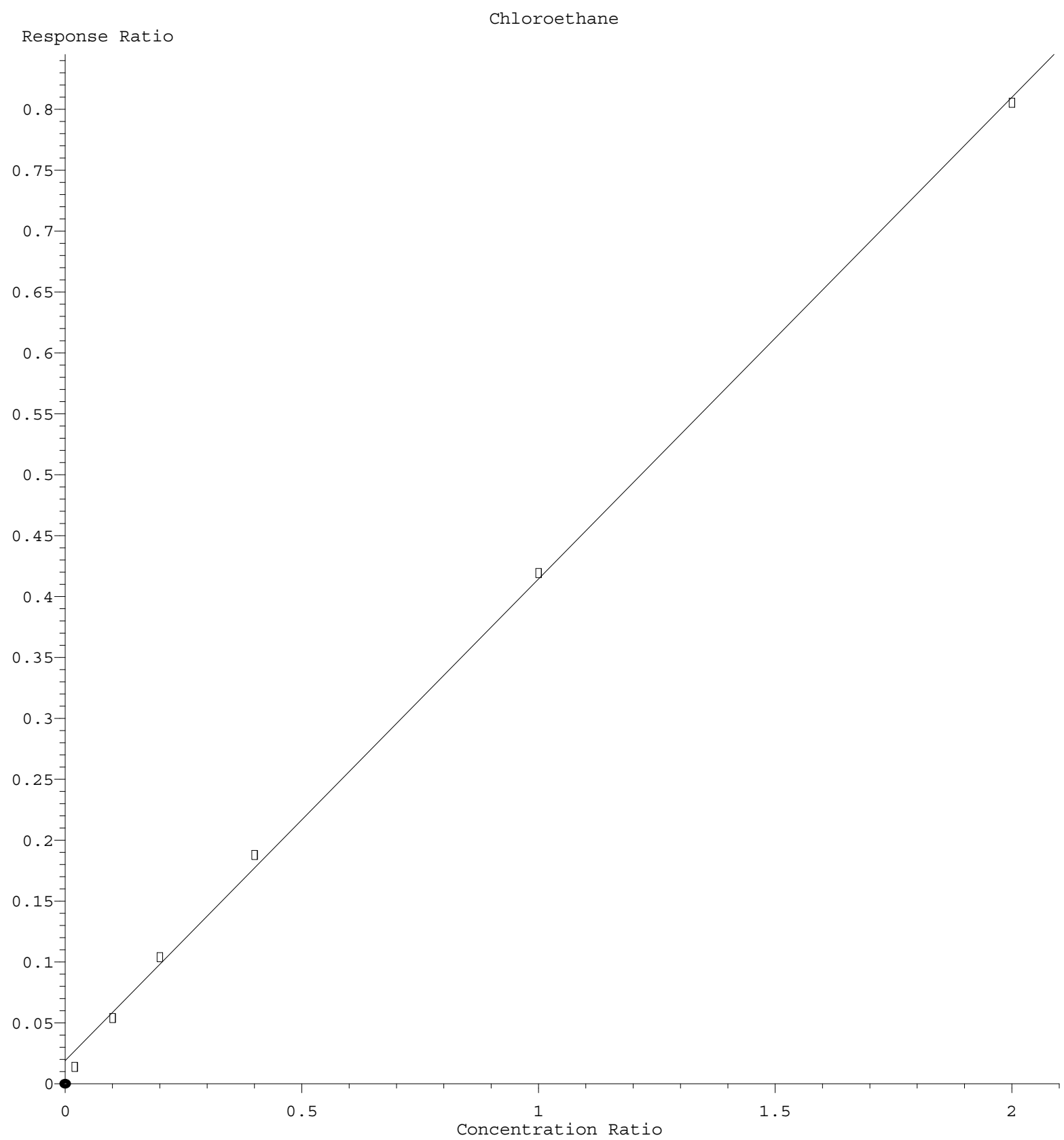
Calibration Files
1 =VV039282.D 5 =VV039283.D 10 =VV039284.D 20 =VV039285.D 50 =VV039286.D 100 =VV039287.D

		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

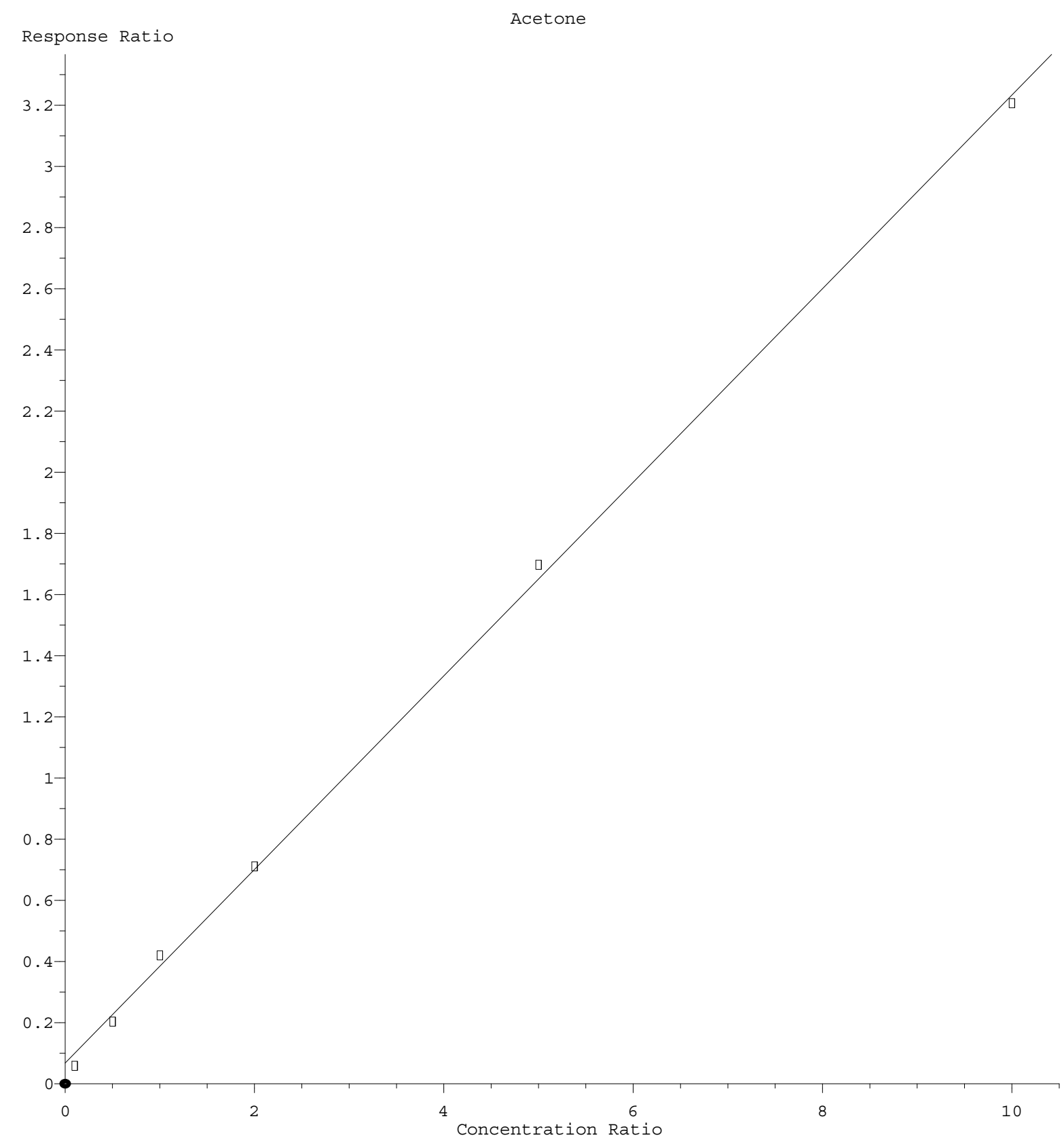
Method Path : Z:\voasrv\HPCHEM1\MSVOA_V\Method\
Method File : 82V100725W.M

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

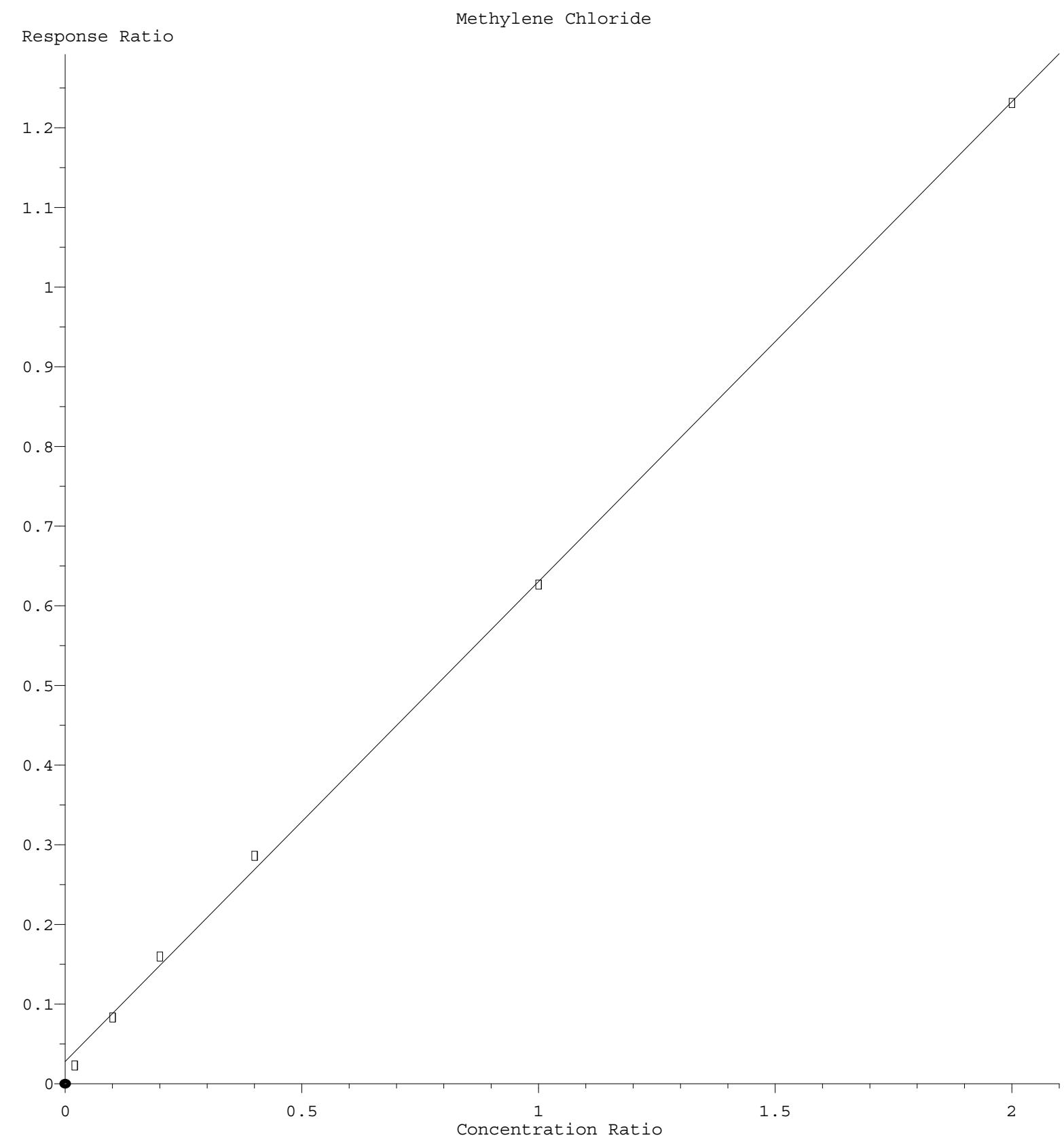
(#) = Out of Range



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

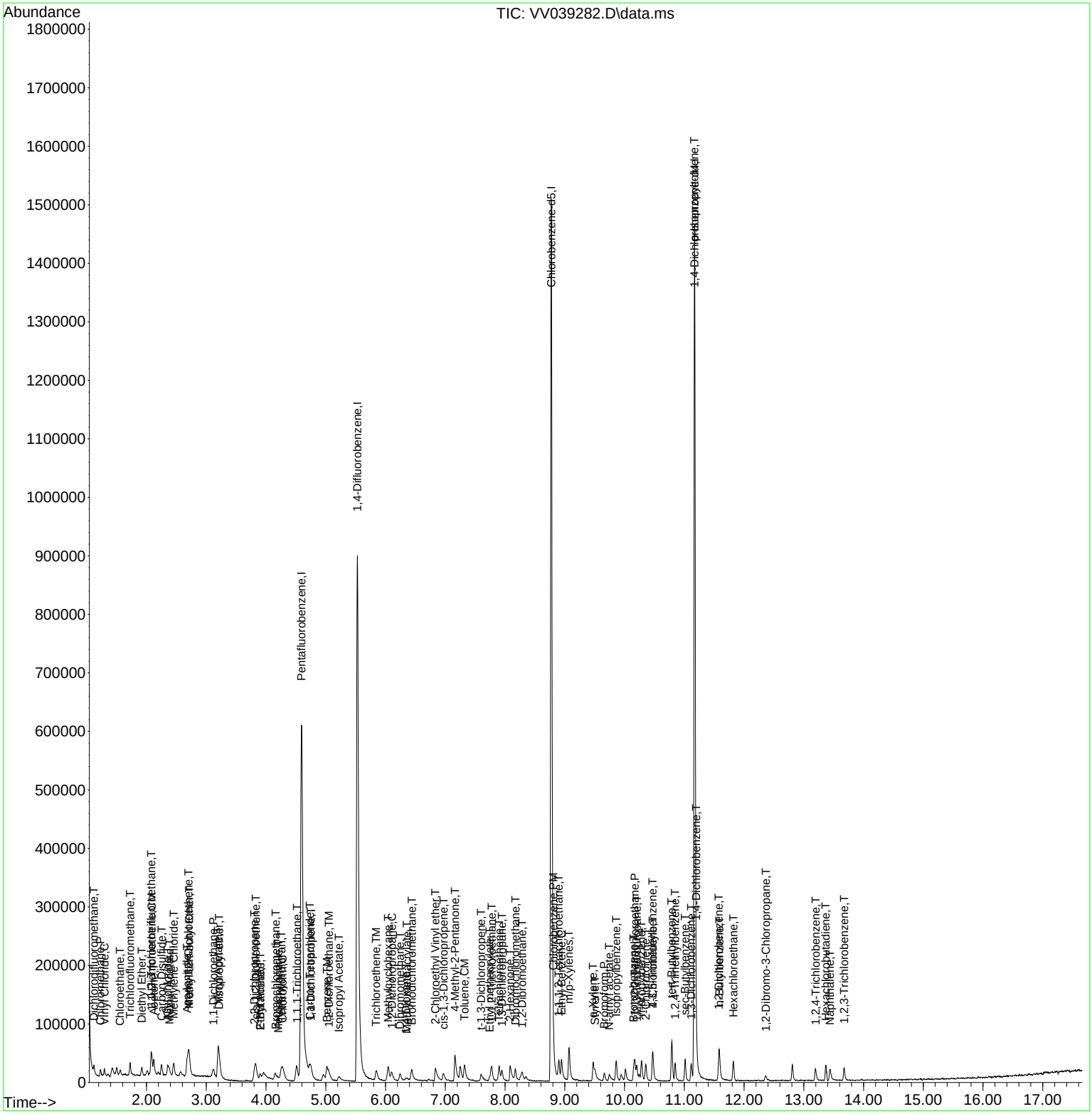
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039282.D
Acq On : 07 Oct 2025 09:40
Operator : SY/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

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

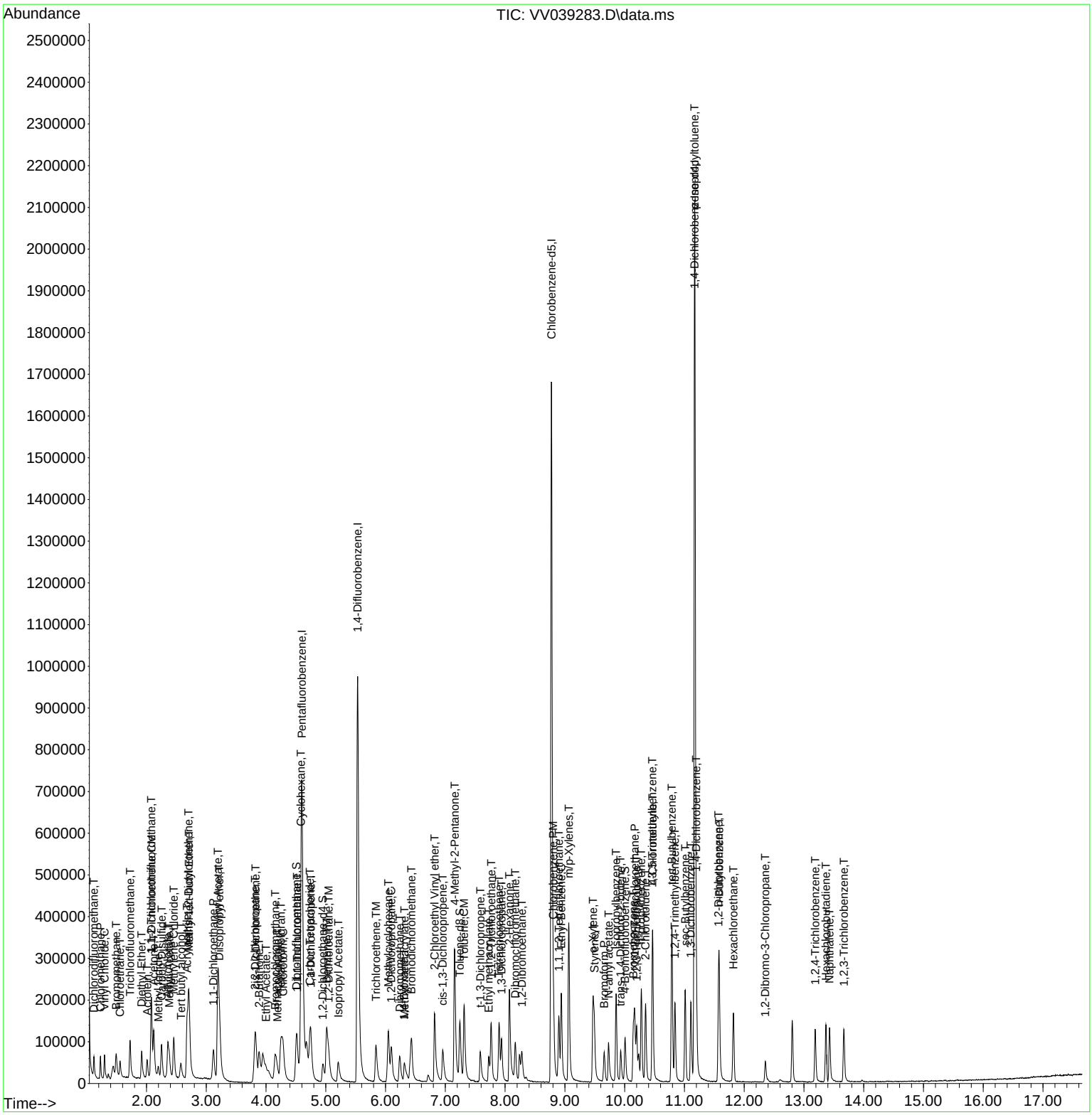
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039283.D
Acq On : 07 Oct 2025 10:03
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

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

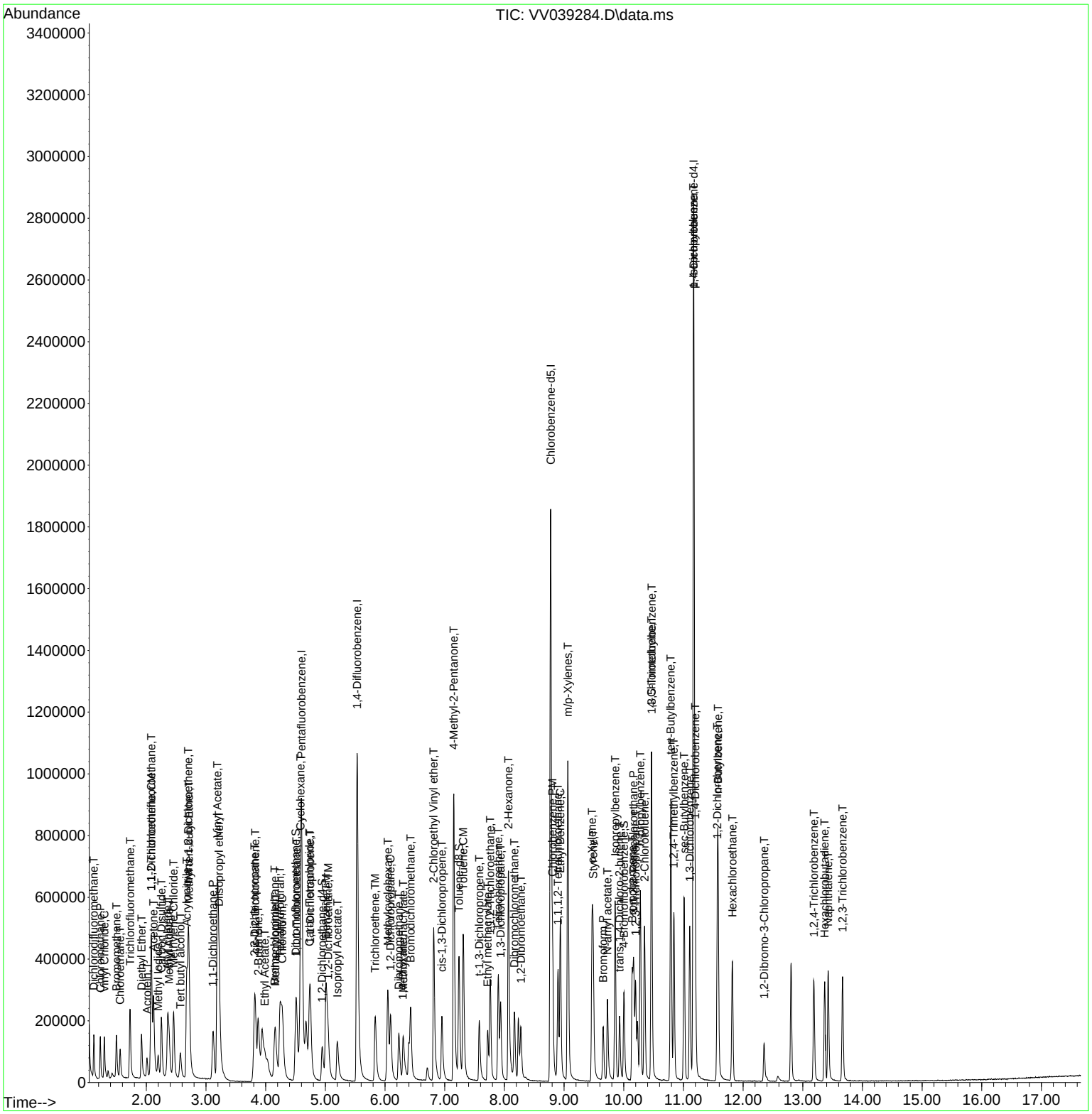
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = 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)

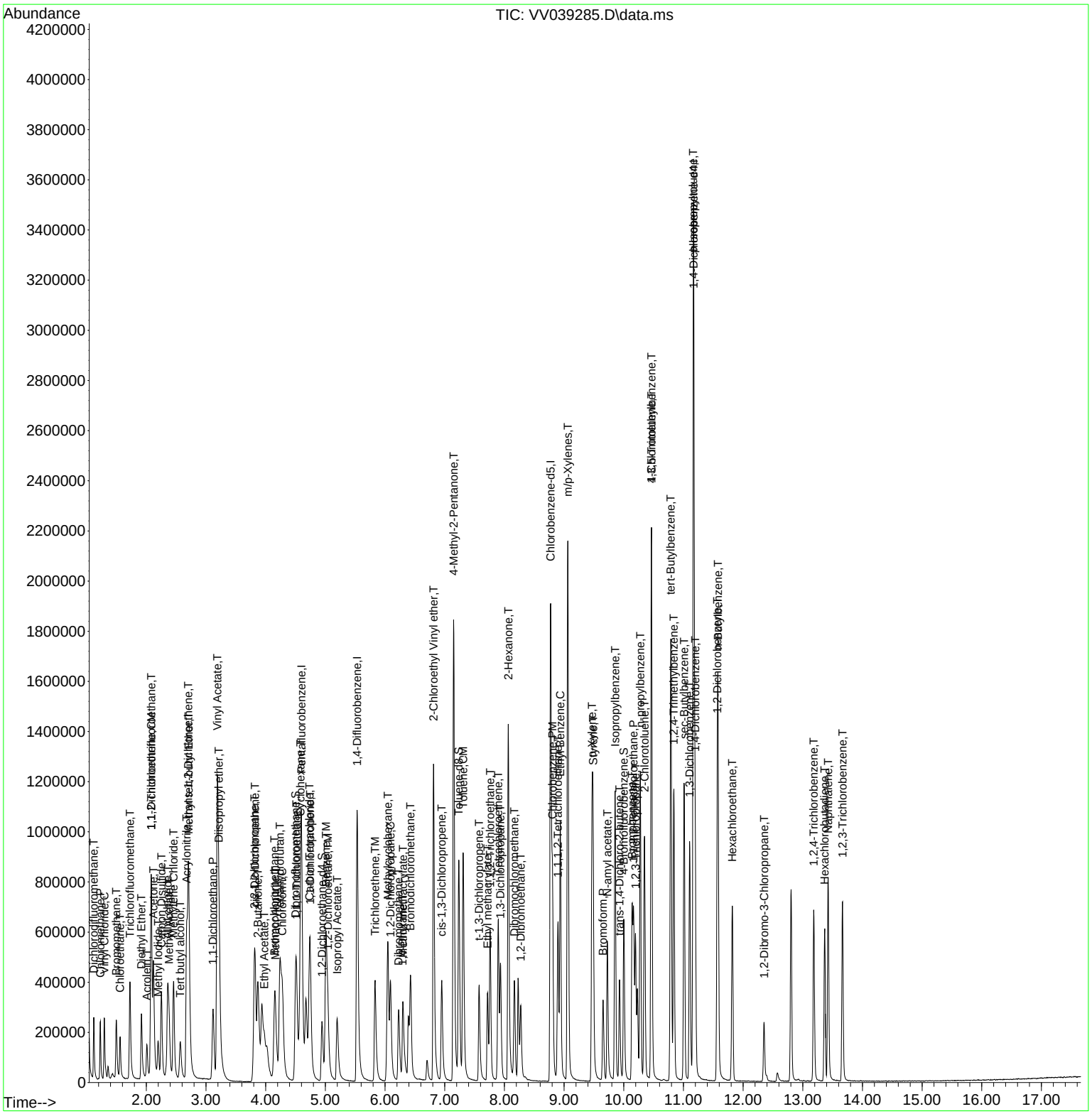
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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)

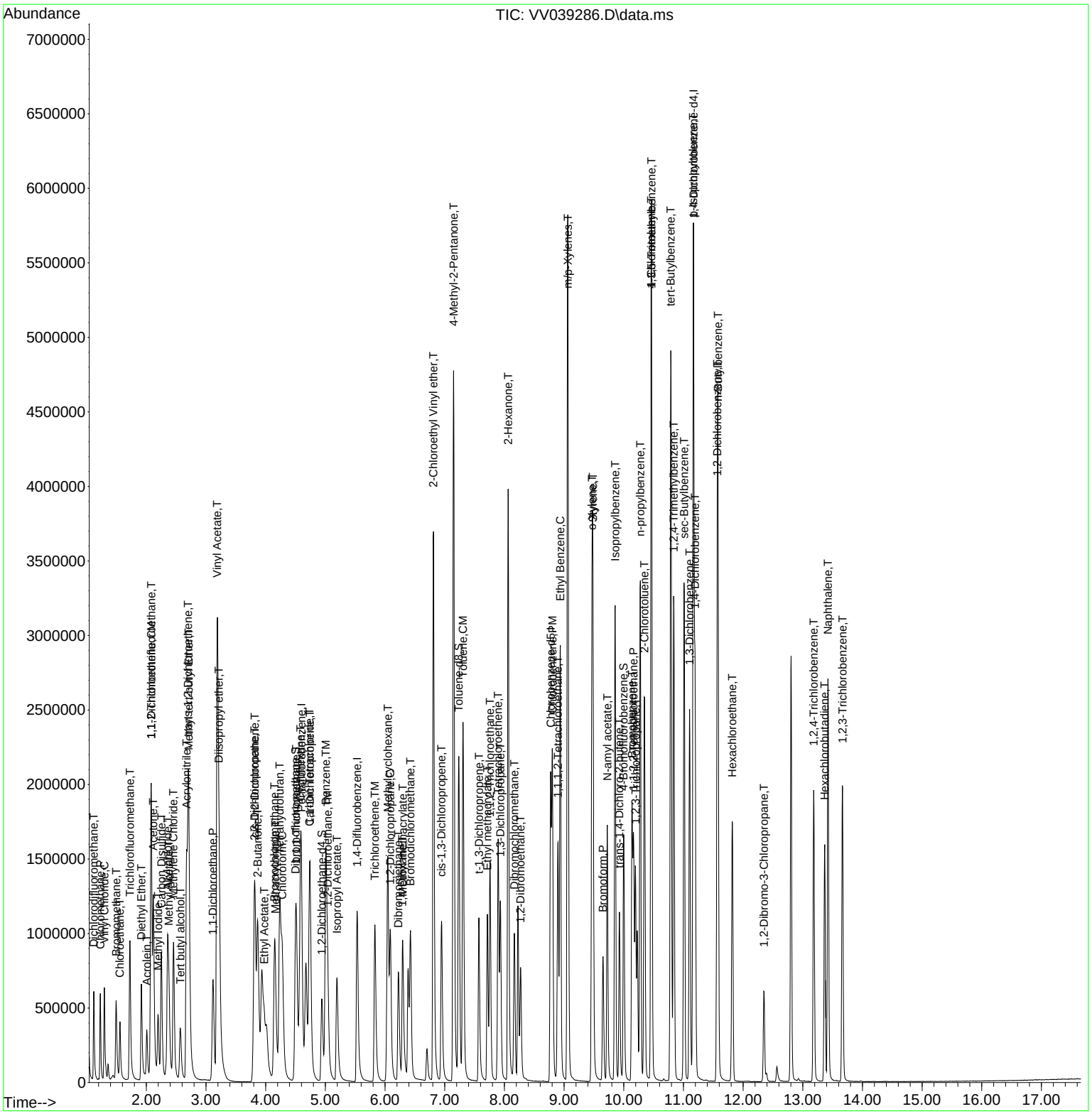
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

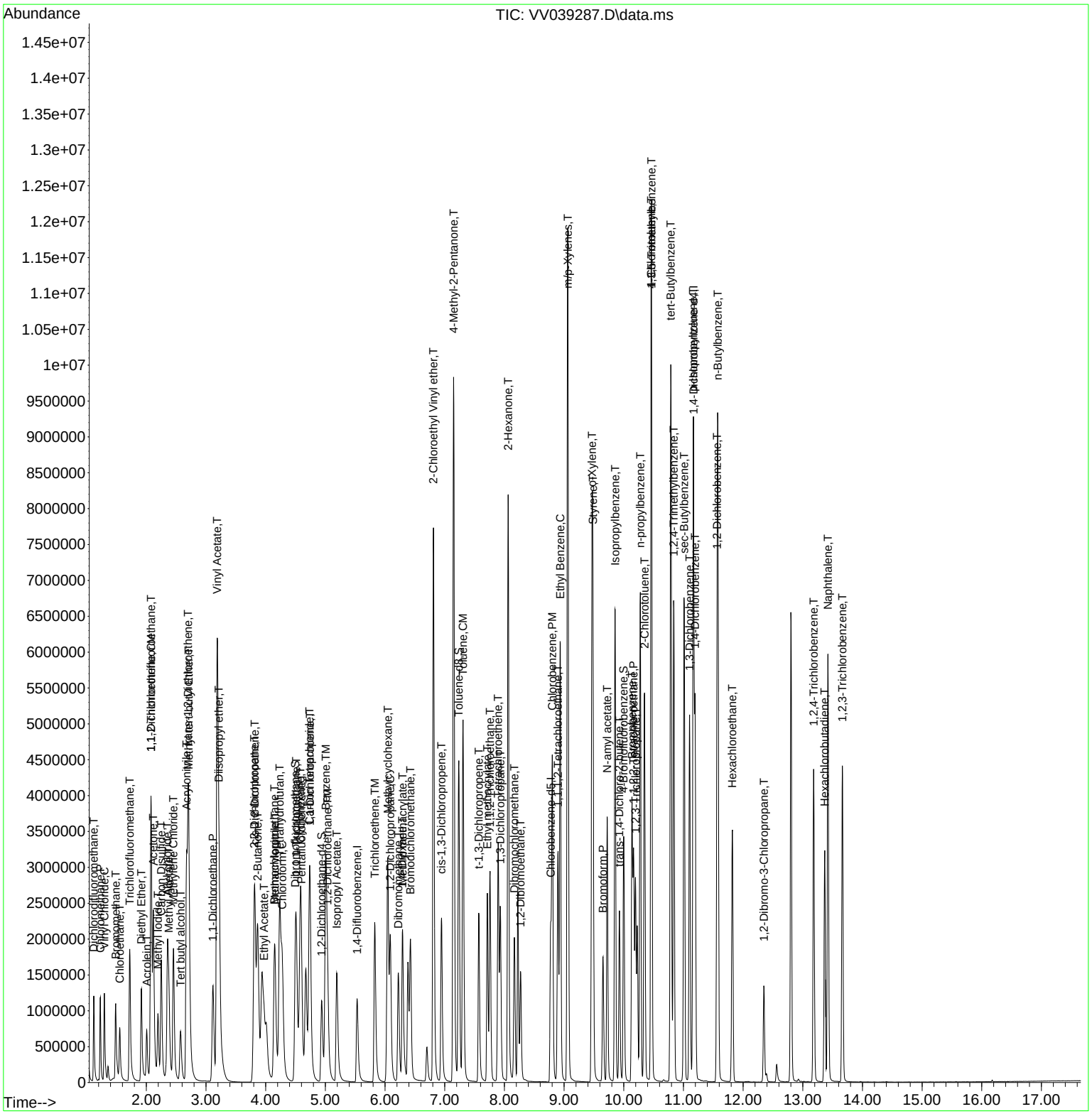
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = 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)

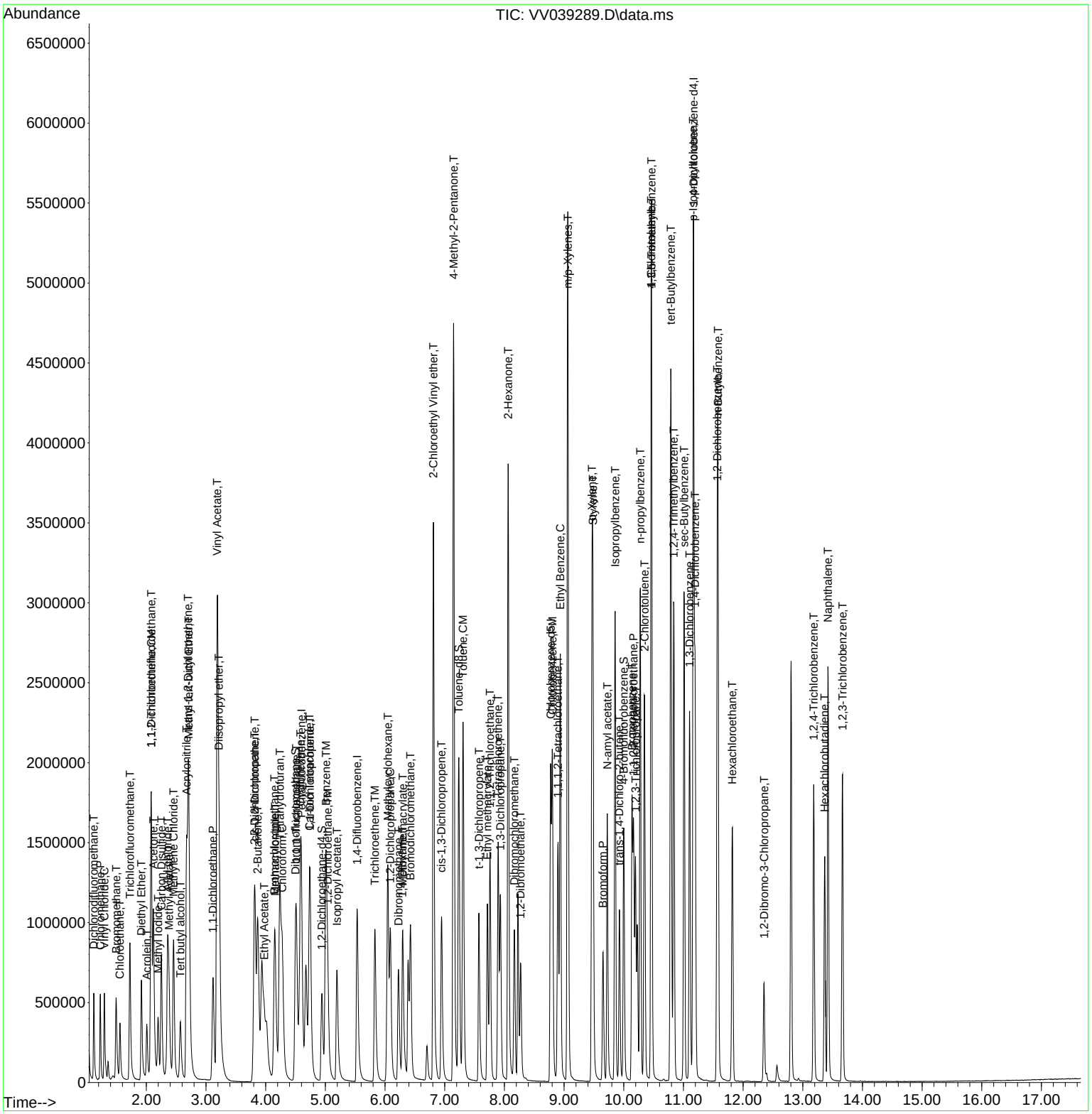
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: **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.: Q3552
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.: Q3552
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

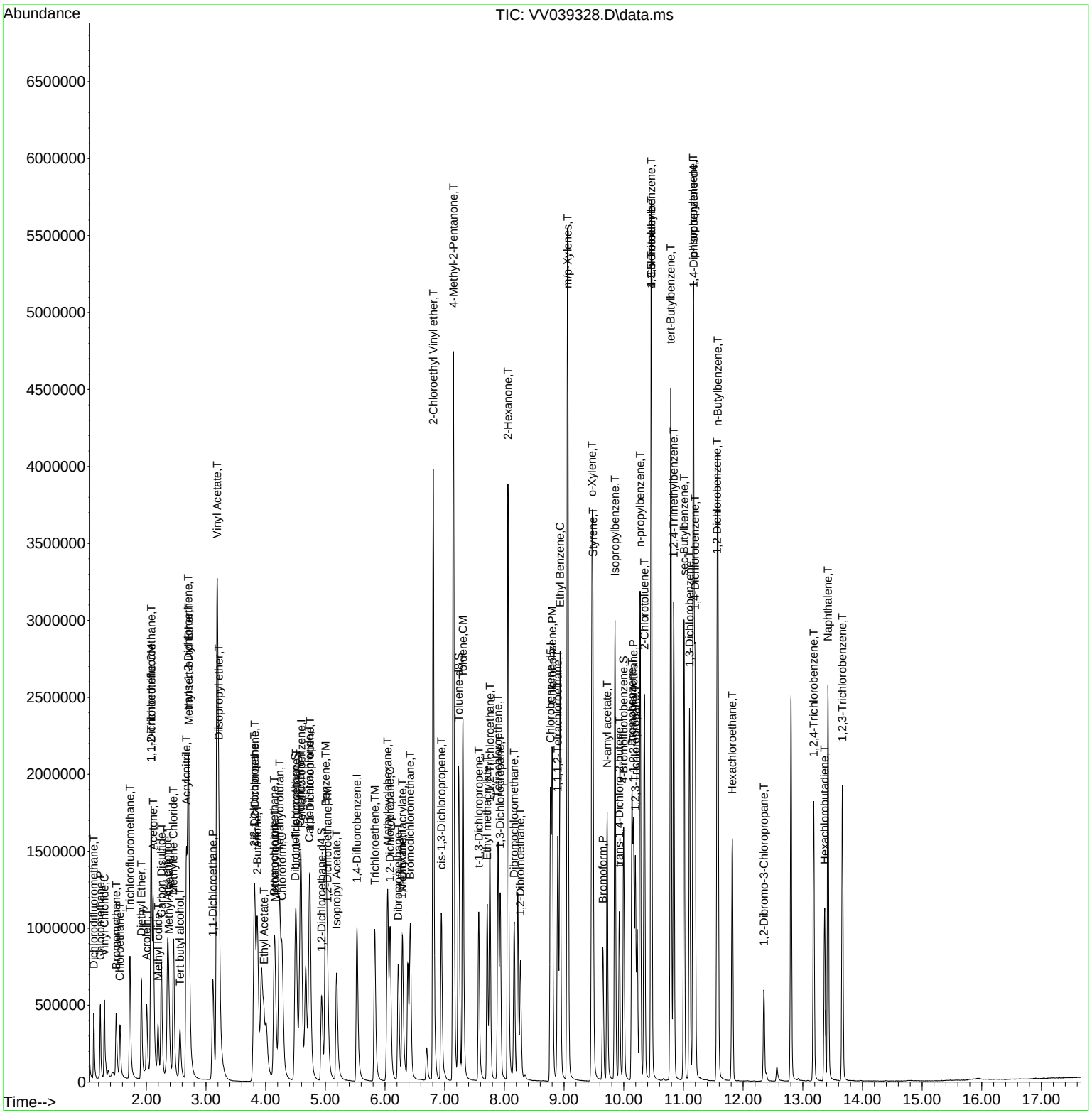
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = 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

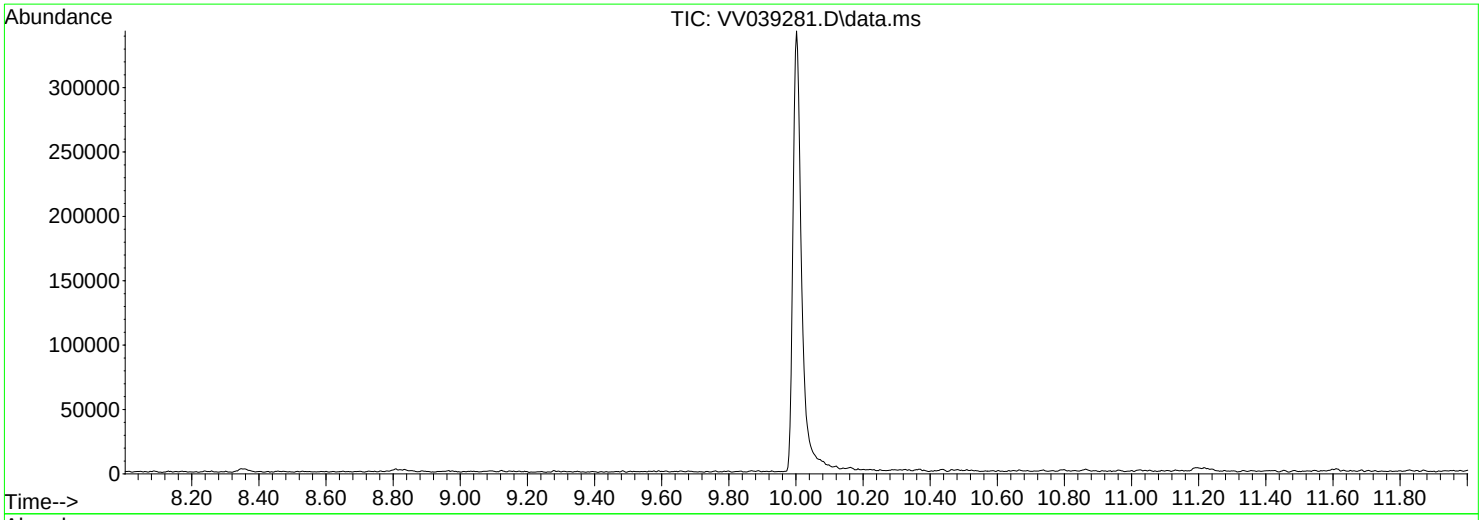
Sample Results: **VV039281.D**

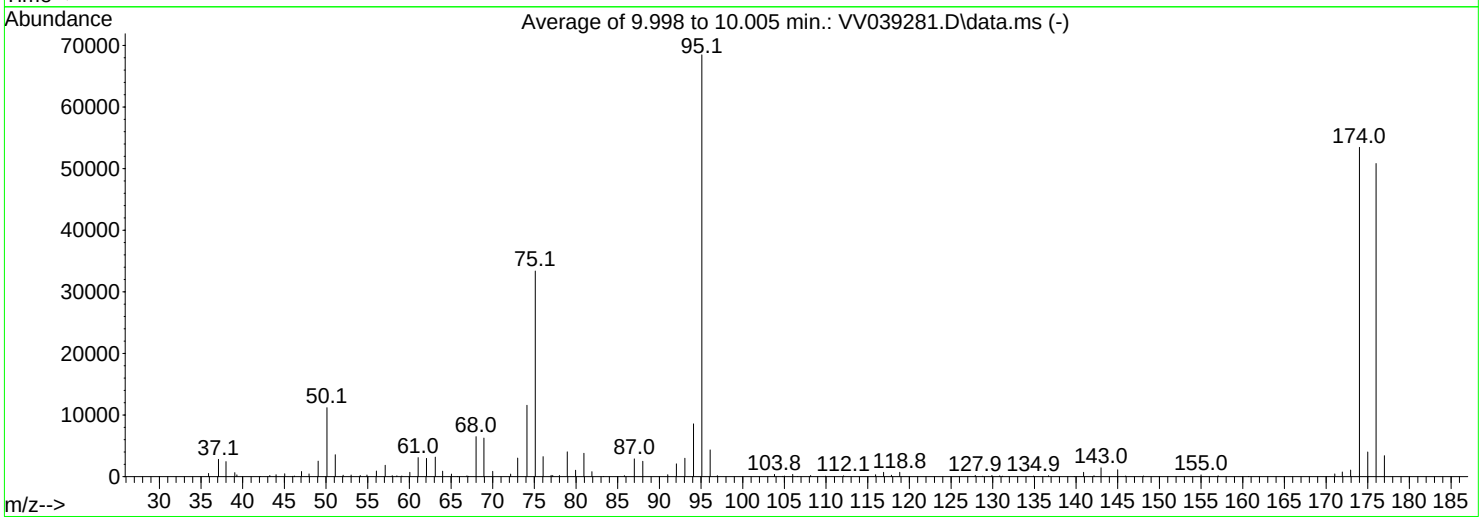
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
Data File : VV039281.D
Acq On : 07 Oct 2025 08:25
Operator : SY/MD
Sample : BFB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

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

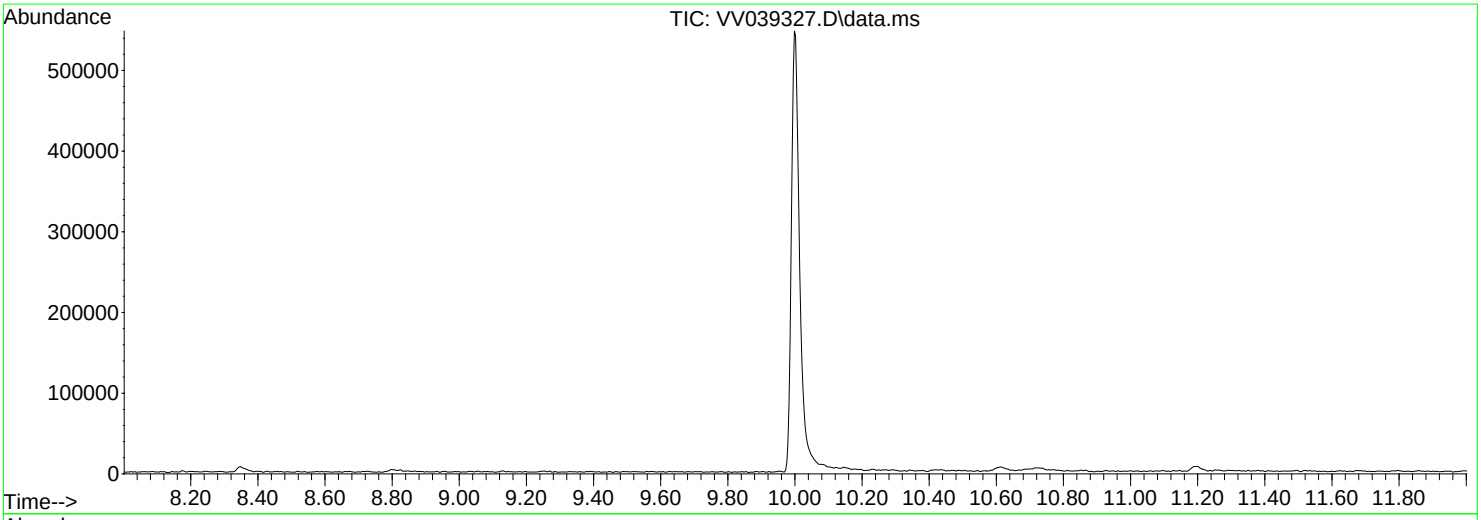
Sample Results: **VV039327.D**

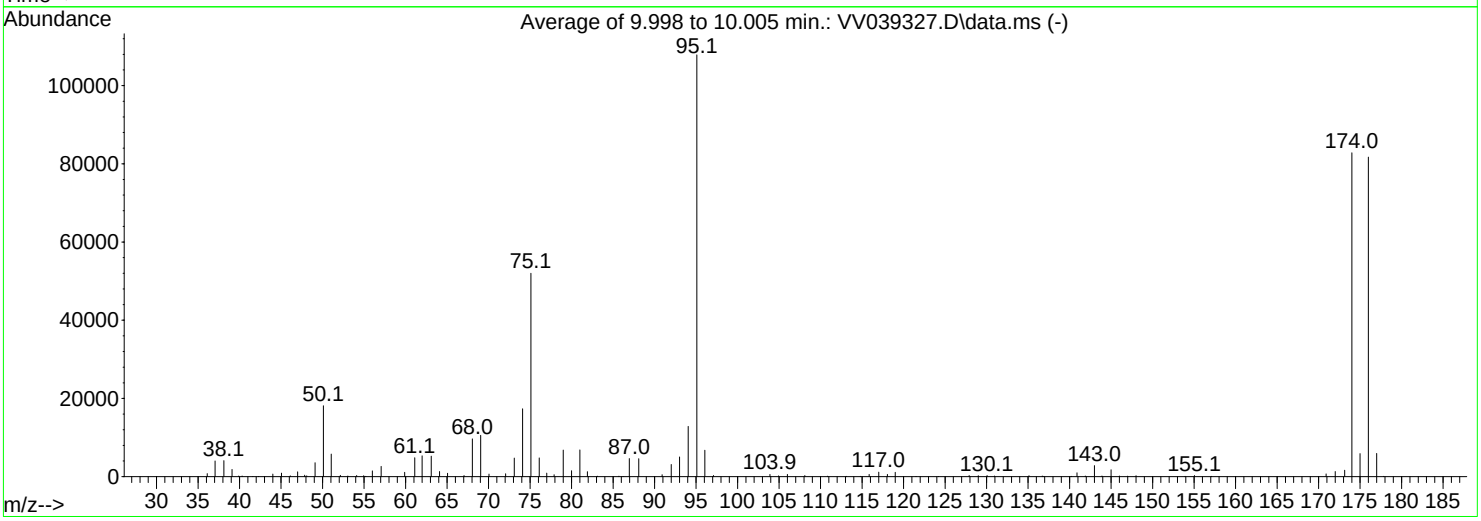
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039327.D
Acq On : 05 Nov 2025 10:37
Operator : SY/MD
Sample : BFB
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

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: **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.:	Q3552
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.:	Q3552
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

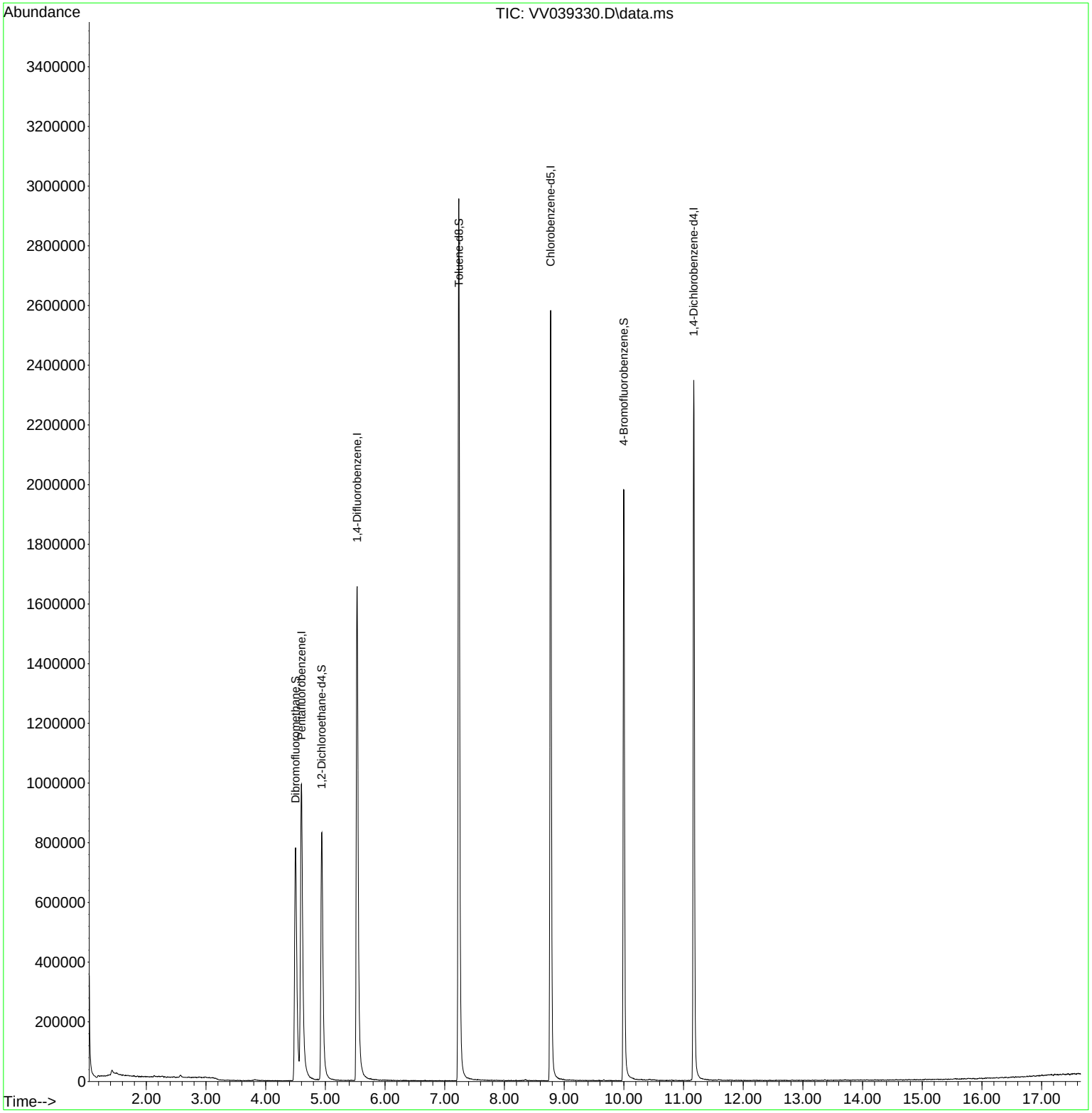
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	856812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1628447	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1466262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	623984	50.000	ug/l	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

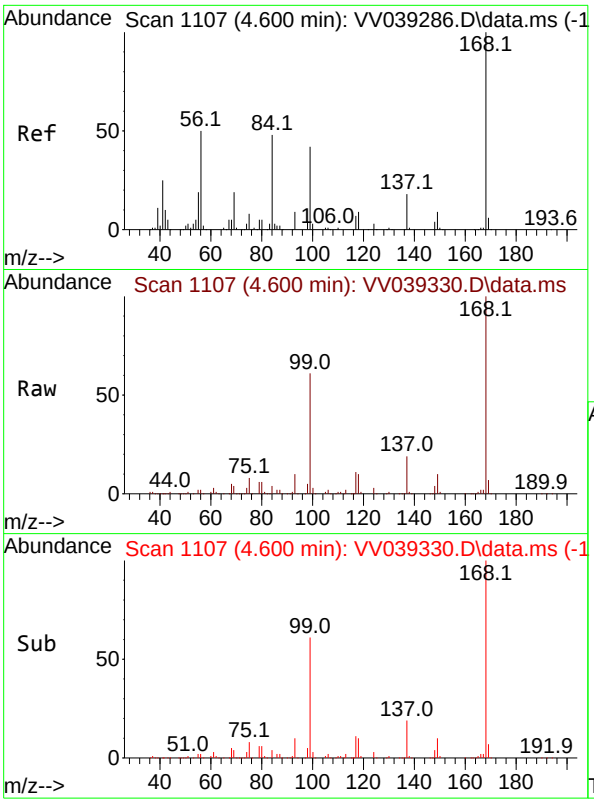
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



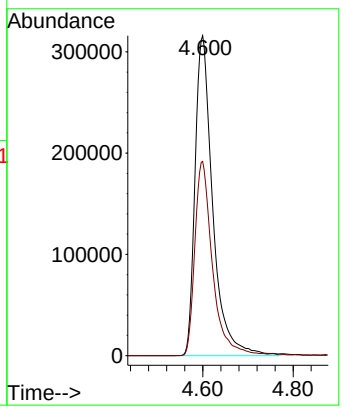


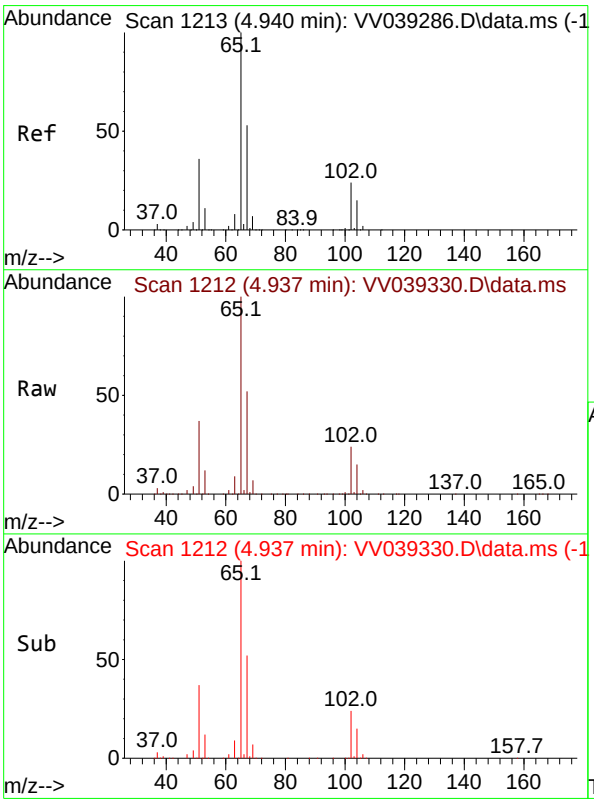
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Tgt Ion:168 Resp: 856812

Ion	Ratio	Lower	Upper
168	100		
99	60.6	46.6	70.0

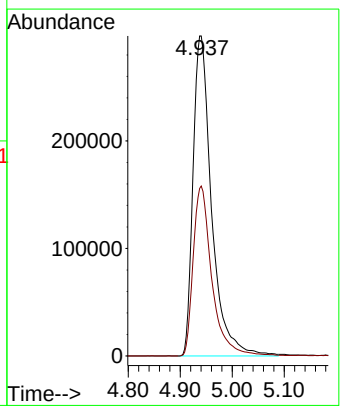


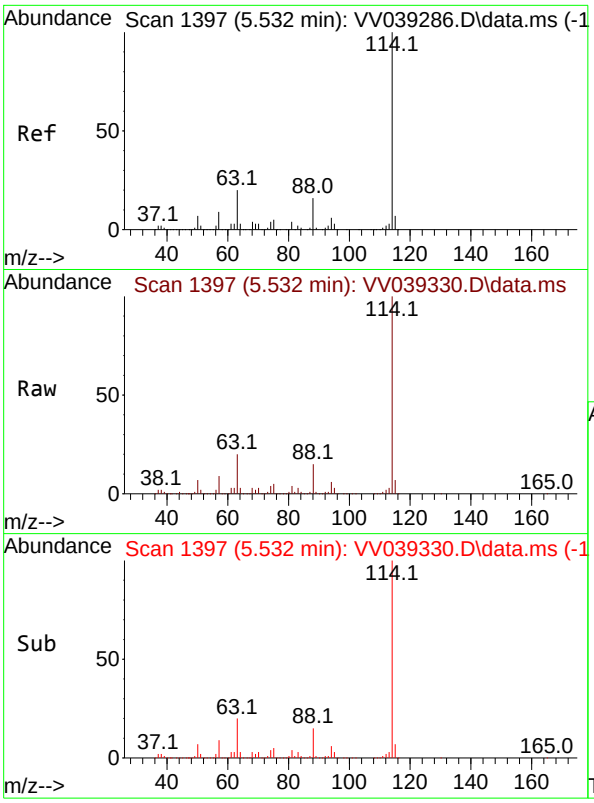


#33
1,2-Dichloroethane-d4
Concen: 60.726 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.003 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Tgt Ion: 65 Resp: 739326

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.4



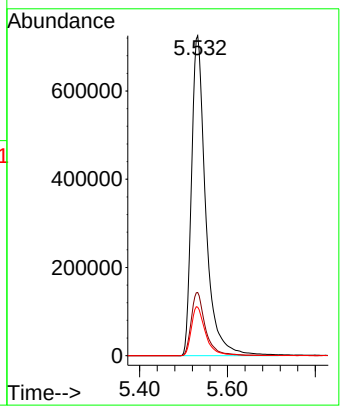


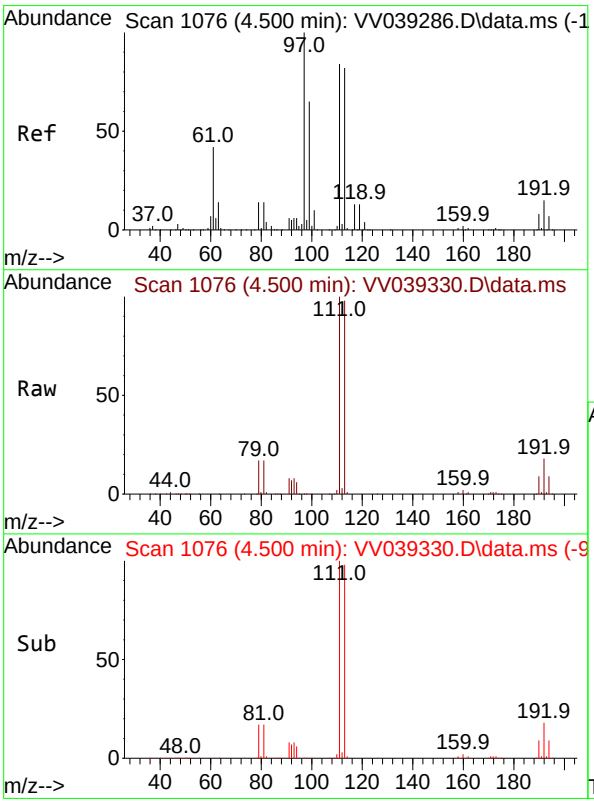
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

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

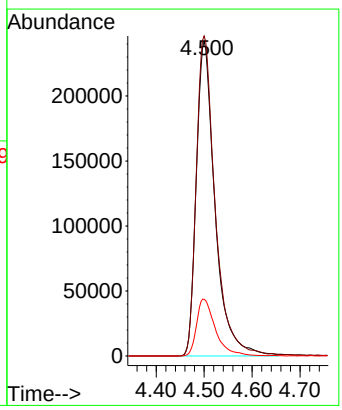


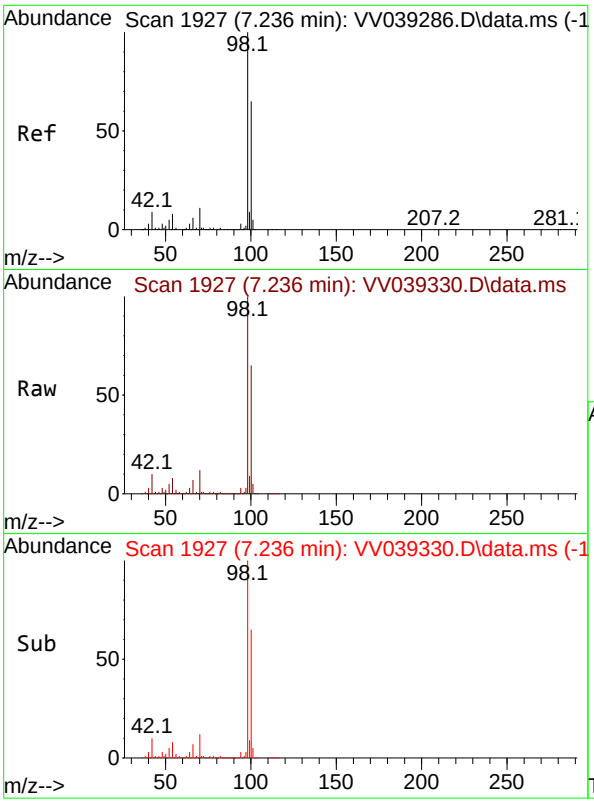


#35
Dibromofluoromethane
Concen: 51.229 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

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



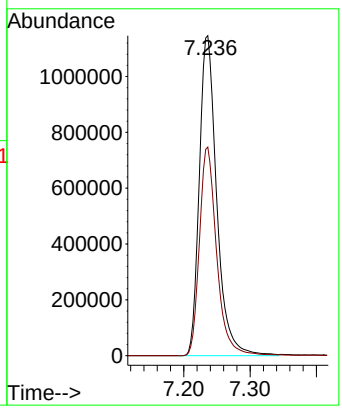


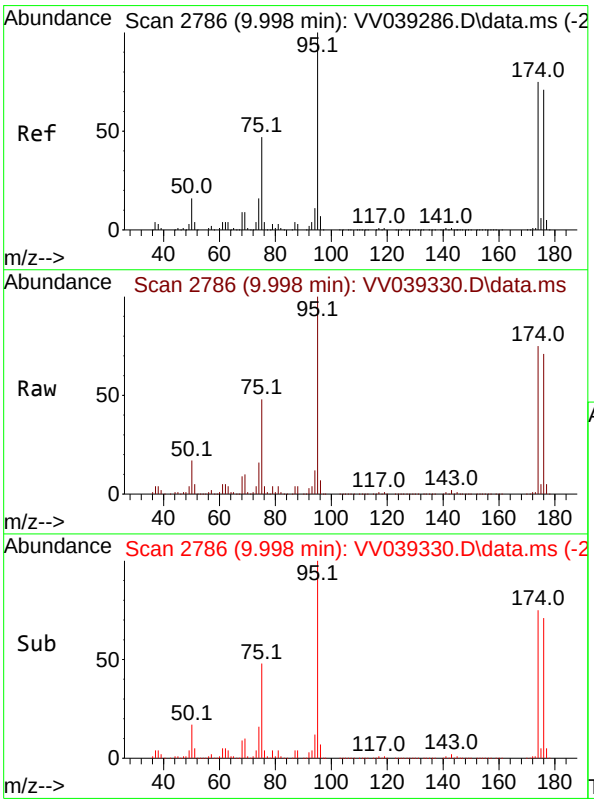
#50
Toluene-d8
Concen: 48.001 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Tgt Ion: 98 Resp: 2095273

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.8	79.2

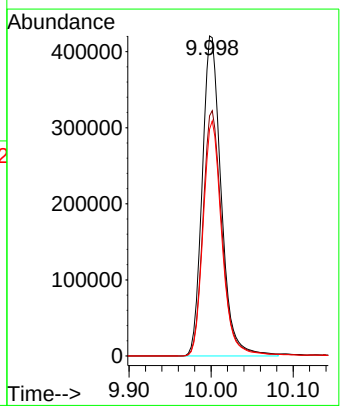


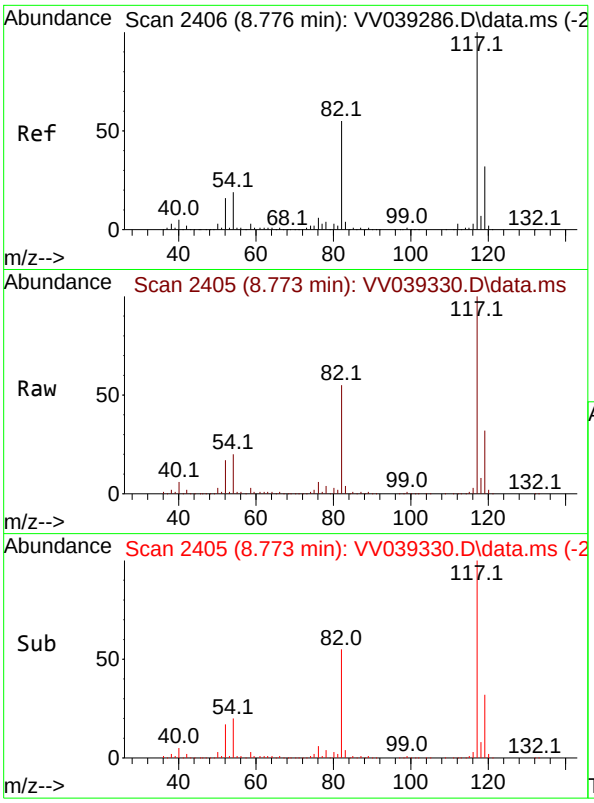


#62
4-Bromofluorobenzene
Concen: 43.374 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

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



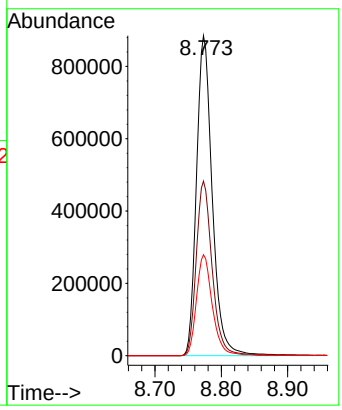


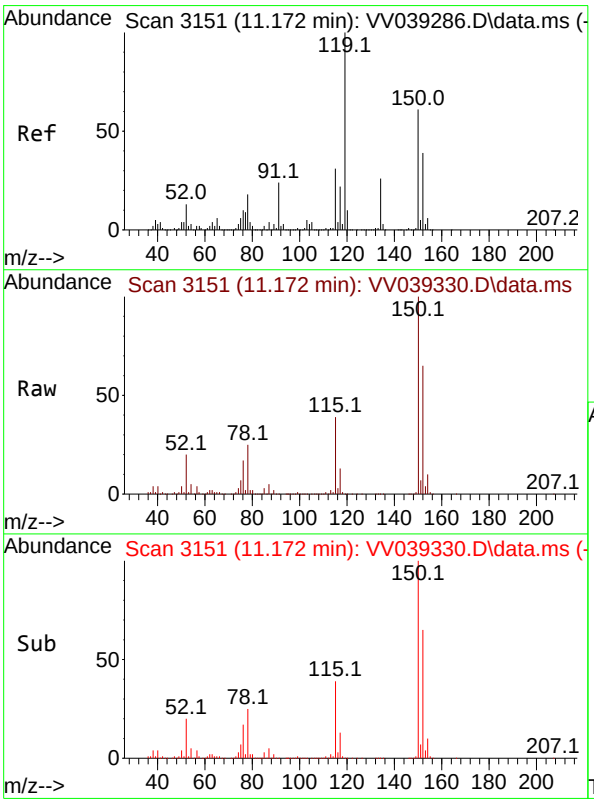
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

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

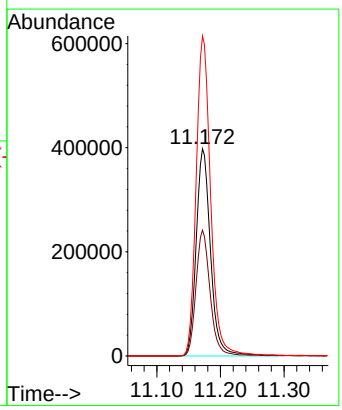




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

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

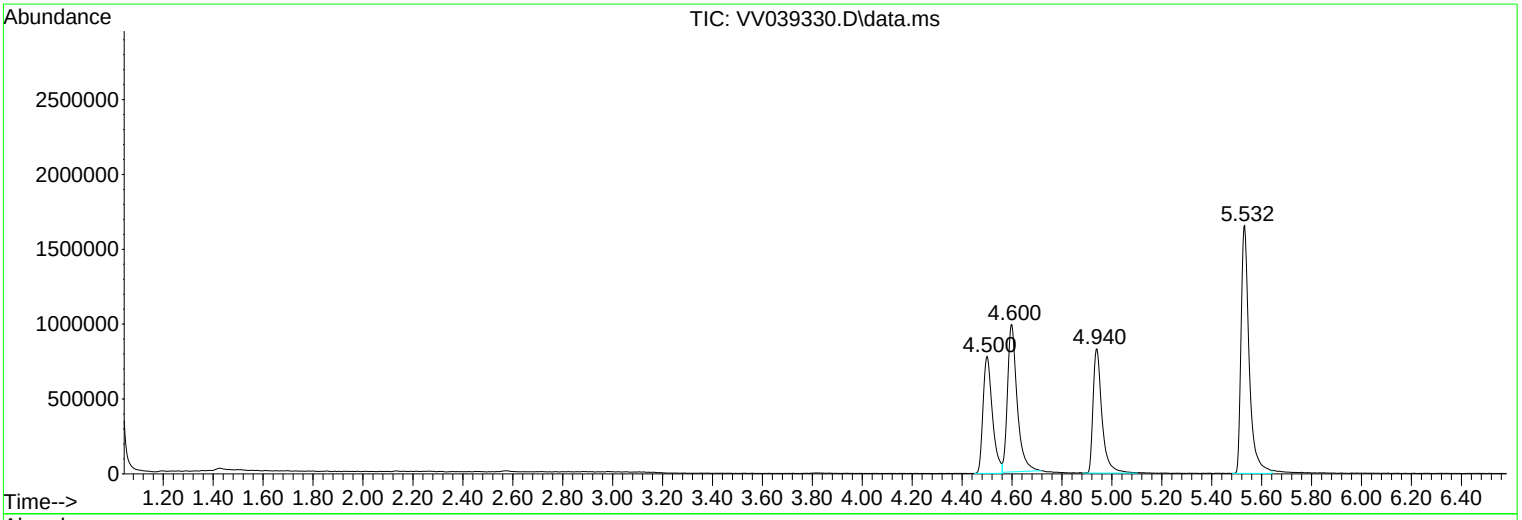
Sample Results: **VV039330.D**

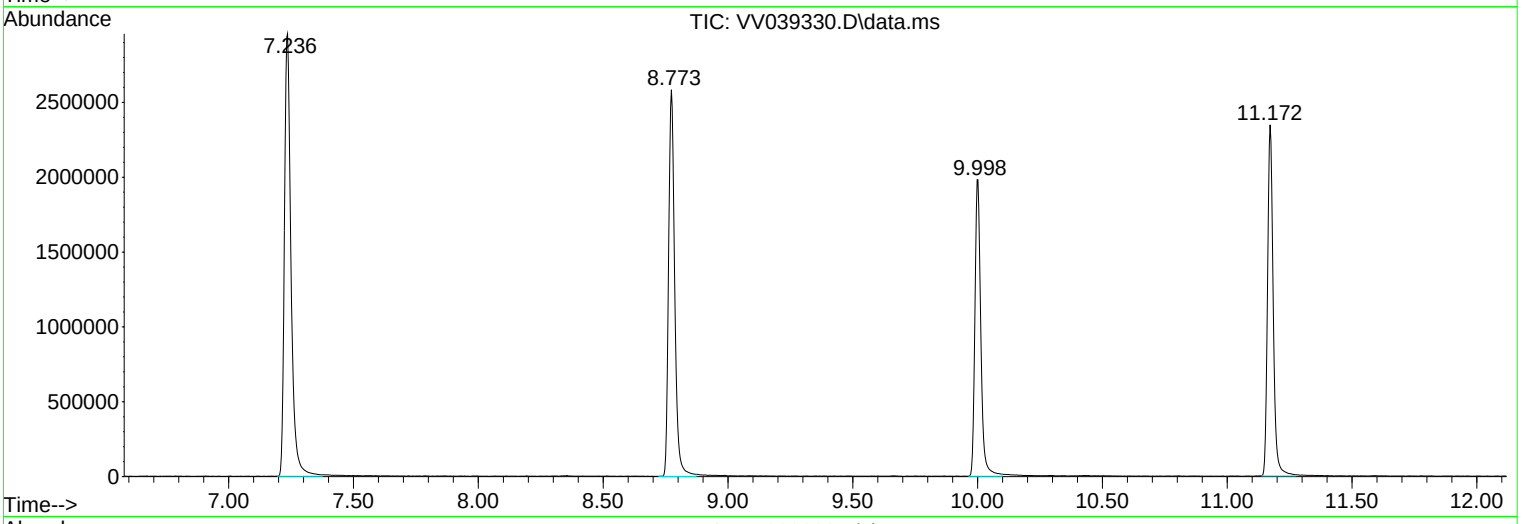
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

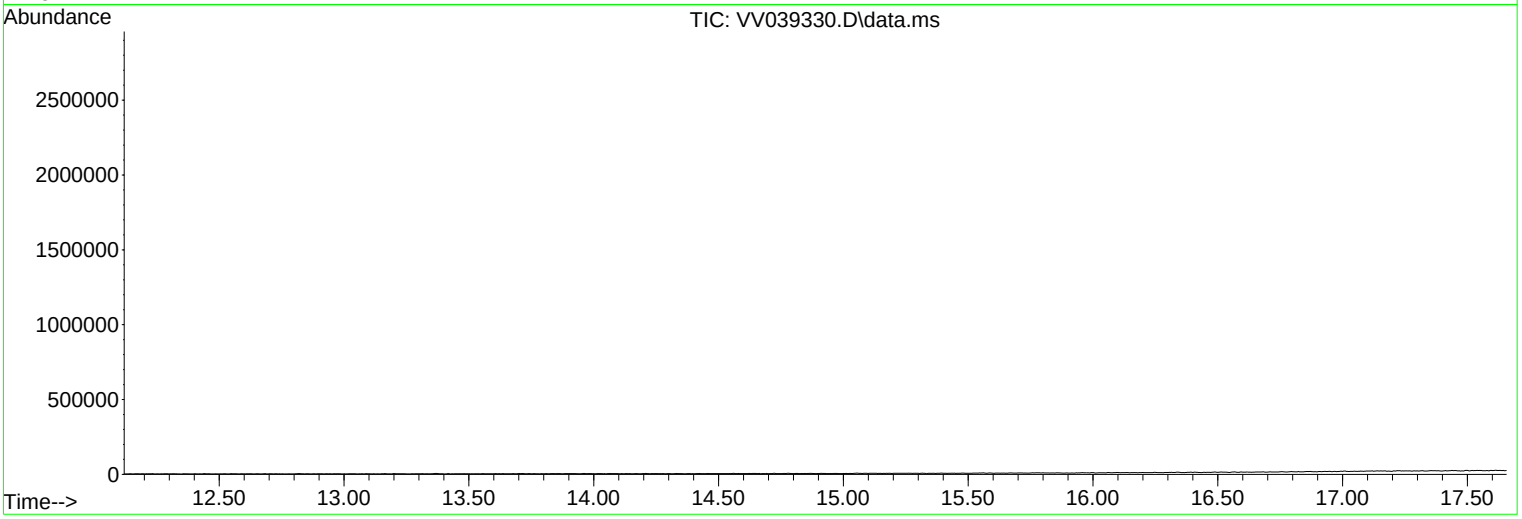
Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

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: **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.:	Q3552
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.:	Q3552
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

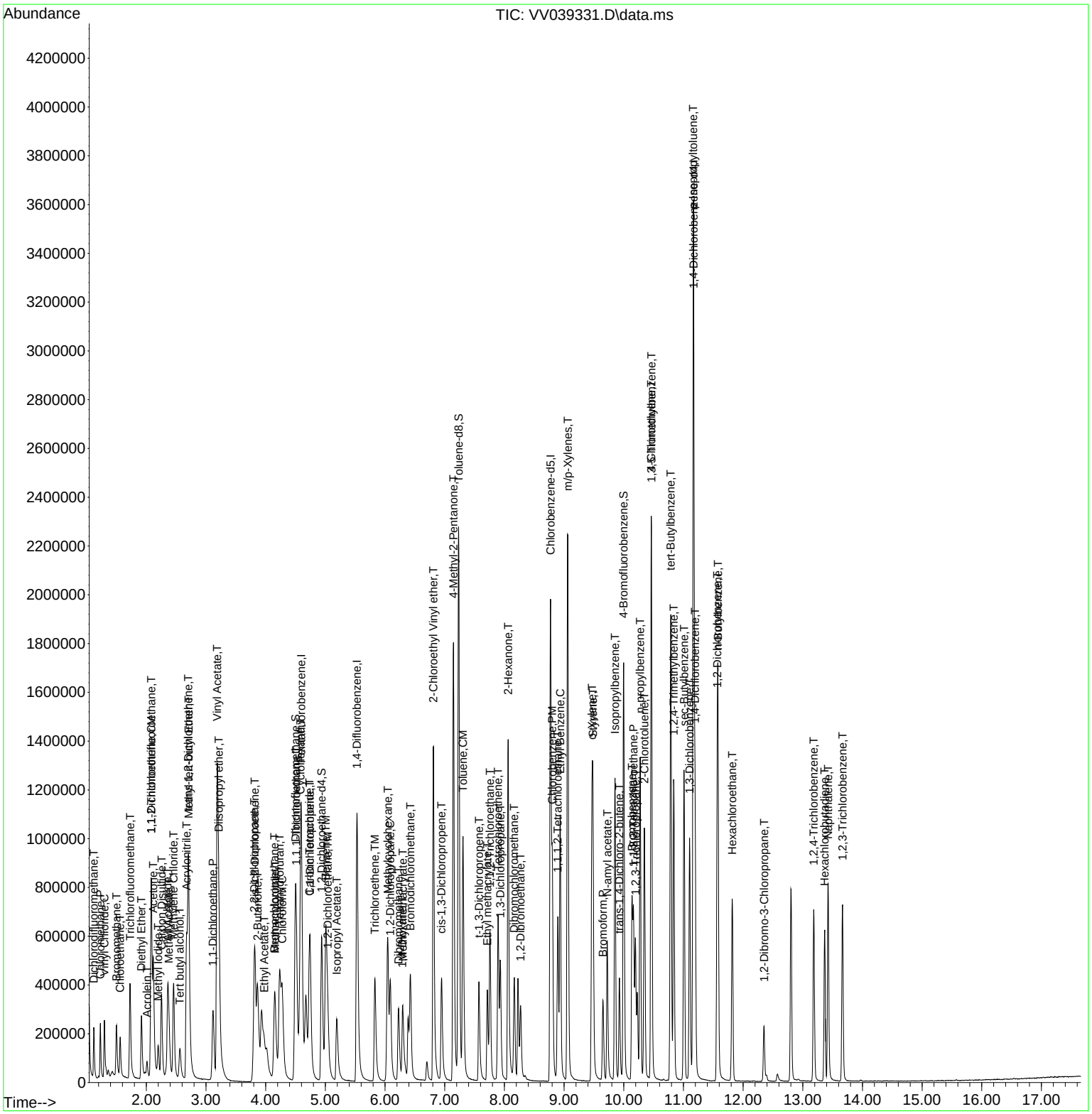
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = 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: **VV039332.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:	VV1105WBSD01	SDG No.:	Q3552
Lab Sample ID:	VV1105WBSD01	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	16.8		1	0.22	1.00	ug/L	11/05/25 13:17	VV110525
74-87-3	Chloromethane	17.6		1	0.32	1.00	ug/L	11/05/25 13:17	VV110525
75-01-4	Vinyl Chloride	17.9		1	0.26	1.00	ug/L	11/05/25 13:17	VV110525
74-83-9	Bromomethane	17.9		1	1.40	5.00	ug/L	11/05/25 13:17	VV110525
75-00-3	Chloroethane	21.4		1	0.47	1.00	ug/L	11/05/25 13:17	VV110525
75-69-4	Trichlorofluoromethane	18.4		1	0.33	1.00	ug/L	11/05/25 13:17	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		1	0.25	1.00	ug/L	11/05/25 13:17	VV110525
75-35-4	1,1-Dichloroethene	18.0		1	0.23	1.00	ug/L	11/05/25 13:17	VV110525
67-64-1	Acetone	110		1	1.50	5.00	ug/L	11/05/25 13:17	VV110525
75-15-0	Carbon Disulfide	18.2		1	0.21	1.00	ug/L	11/05/25 13:17	VV110525
1634-04-4	Methyl tert-butyl Ether	19.9		1	0.16	1.00	ug/L	11/05/25 13:17	VV110525
79-20-9	Methyl Acetate	17.0		1	0.27	1.00	ug/L	11/05/25 13:17	VV110525
75-09-2	Methylene Chloride	21.5		1	0.28	1.00	ug/L	11/05/25 13:17	VV110525
156-60-5	trans-1,2-Dichloroethene	18.6		1	0.23	1.00	ug/L	11/05/25 13:17	VV110525
75-34-3	1,1-Dichloroethane	19.1		1	0.23	1.00	ug/L	11/05/25 13:17	VV110525
110-82-7	Cyclohexane	20.2		1	1.50	5.00	ug/L	11/05/25 13:17	VV110525
78-93-3	2-Butanone	100		1	0.98	5.00	ug/L	11/05/25 13:17	VV110525
56-23-5	Carbon Tetrachloride	19.6		1	0.25	1.00	ug/L	11/05/25 13:17	VV110525
156-59-2	cis-1,2-Dichloroethene	19.9		1	0.19	1.00	ug/L	11/05/25 13:17	VV110525
74-97-5	Bromochloromethane	19.9		1	0.22	1.00	ug/L	11/05/25 13:17	VV110525
67-66-3	Chloroform	19.3		1	0.25	1.00	ug/L	11/05/25 13:17	VV110525
71-55-6	1,1,1-Trichloroethane	19.1		1	0.20	1.00	ug/L	11/05/25 13:17	VV110525
108-87-2	Methylcyclohexane	19.5		1	0.16	1.00	ug/L	11/05/25 13:17	VV110525
71-43-2	Benzene	20.0		1	0.15	1.00	ug/L	11/05/25 13:17	VV110525
107-06-2	1,2-Dichloroethane	19.3		1	0.22	1.00	ug/L	11/05/25 13:17	VV110525
79-01-6	Trichloroethene	19.5		1	0.090	1.00	ug/L	11/05/25 13:17	VV110525
78-87-5	1,2-Dichloropropane	20.8		1	0.20	1.00	ug/L	11/05/25 13:17	VV110525
75-27-4	Bromodichloromethane	19.6		1	0.22	1.00	ug/L	11/05/25 13:17	VV110525
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	5.00	ug/L	11/05/25 13:17	VV110525
108-88-3	Toluene	21.3		1	0.14	1.00	ug/L	11/05/25 13:17	VV110525
10061-02-6	t-1,3-Dichloropropene	20.7		1	0.17	1.00	ug/L	11/05/25 13:17	VV110525
10061-01-5	cis-1,3-Dichloropropene	20.9		1	0.16	1.00	ug/L	11/05/25 13:17	VV110525
79-00-5	1,1,2-Trichloroethane	20.3		1	0.21	1.00	ug/L	11/05/25 13:17	VV110525
591-78-6	2-Hexanone	110		1	0.89	5.00	ug/L	11/05/25 13:17	VV110525
124-48-1	Dibromochloromethane	20.0		1	0.18	1.00	ug/L	11/05/25 13:17	VV110525
106-93-4	1,2-Dibromoethane	20.1		1	0.15	1.00	ug/L	11/05/25 13:17	VV110525
127-18-4	Tetrachloroethene	20.1		1	0.23	1.00	ug/L	11/05/25 13:17	VV110525
108-90-7	Chlorobenzene	20.1		1	0.12	1.00	ug/L	11/05/25 13:17	VV110525
100-41-4	Ethyl Benzene	20.4		1	0.13	1.00	ug/L	11/05/25 13:17	VV110525
179601-23-1	m/p-Xylenes	43.2		1	0.24	2.00	ug/L	11/05/25 13:17	VV110525
95-47-6	o-Xylene	21.4		1	0.12	1.00	ug/L	11/05/25 13:17	VV110525
100-42-5	Styrene	22.1		1	0.15	1.00	ug/L	11/05/25 13:17	VV110525
75-25-2	Bromoform	19.7		1	0.19	1.00	ug/L	11/05/25 13:17	VV110525

Raw Data: **VV039332.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:	VV1105WBSD01			SDG No.:	Q3552
Lab Sample ID:	VV1105WBSD01			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	21.0		1	0.12	1.00	ug/L	11/05/25 13:17	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	18.1		1	0.26	1.00	ug/L	11/05/25 13:17	VV110525
541-73-1	1,3-Dichlorobenzene	20.0		1	0.16	1.00	ug/L	11/05/25 13:17	VV110525
106-46-7	1,4-Dichlorobenzene	19.2		1	0.19	1.00	ug/L	11/05/25 13:17	VV110525
95-50-1	1,2-Dichlorobenzene	19.5		1	0.16	1.00	ug/L	11/05/25 13:17	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	17.4		1	0.53	1.00	ug/L	11/05/25 13:17	VV110525
120-82-1	1,2,4-Trichlorobenzene	19.8		1	0.20	1.00	ug/L	11/05/25 13:17	VV110525
87-61-6	1,2,3-Trichlorobenzene	19.5		1	0.20	1.00	ug/L	11/05/25 13:17	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.0			70 (74) - 130 (125)	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.5			70 (75) - 130 (124)	103%	SPK: 50		
2037-26-5	Toluene-d8	53.8			70 (86) - 130 (113)	108%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.1			70 (77) - 130 (121)	108%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	690000							
540-36-3	1,4-Difluorobenzene	1110000							
3114-55-4	Chlorobenzene-d5	1060000							
3855-82-1	1,4-Dichlorobenzene-d4	610000							

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 : VV039332.D
Acq On : 05 Nov 2025 13:17
Operator : SY/MD
Sample : VV1105WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBSD01

Quant Time: Nov 06 00:13:35 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	690271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1108460	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1064992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	609759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	510203	52.017	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 104.040%			
35) Dibromofluoromethane	4.500	113	449490	51.465	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 102.940%			
50) Toluene-d8	7.233	98	1597836	53.777	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 107.560%			
62) 4-Bromofluorobenzene	9.998	95	572225	54.077	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 108.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	146220	16.760	ug/l	99
3) Chloromethane	1.230	50	159751	17.587	ug/l	99
4) Vinyl Chloride	1.298	62	185810	17.931	ug/l	100
5) Bromomethane	1.500	94	120570	17.932	ug/l	99
6) Chloroethane	1.561	64	129893	21.418	ug/l	97
7) Trichlorofluoromethane	1.725	101	291748	18.429	ug/l	99
8) Diethyl Ether	1.918	74	108799	19.018	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	181308	19.127	ug/l	98
10) Methyl Iodide	2.198	142	149055	18.251	ug/l	99
11) Tert butyl alcohol	2.565	59	166736	87.718	ug/l	100
12) 1,1-Dichloroethene	2.085	96	167515	17.998	ug/l	99
13) Acrolein	2.011	56	60142	49.139	ug/l	92
14) Allyl chloride	2.359	41	274082	18.576	ug/l	99
15) Acrylonitrile	2.674	53	527167	93.519	ug/l	99
16) Acetone	2.118	43	509330	105.816	ug/l	99
17) Carbon Disulfide	2.253	76	477677	18.170	ug/l	100
18) Methyl Acetate	2.381	43	216186	17.009	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	556630	19.869	ug/l	99
20) Methylene Chloride	2.458	84	198518	21.545	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	182287	18.601	ug/l	97
22) Diisopropyl ether	3.214	45	550110	20.767	ug/l #	74
23) Vinyl Acetate	3.188	43	2413916	103.799	ug/l	99
24) 1,1-Dichloroethane	3.121	63	338212	19.057	ug/l	100
25) 2-Butanone	3.867	43	600600	100.127	ug/l	98
26) 2,2-Dichloropropane	3.812	77	278230	19.465	ug/l	100
27) cis-1,2-Dichloroethene	3.822	96	195363	19.910	ug/l	99
28) Bromochloromethane	4.146	49	150914	19.946	ug/l	99
29) Tetrahydrofuran	4.237	42	379687	98.999	ug/l	98
30) Chloroform	4.278	83	348726	19.269	ug/l	98
31) Cyclohexane	4.584	56	261404	20.223	ug/l	95
32) 1,1,1-Trichloroethane	4.513	97	302005	19.086	ug/l	100
36) 1,1-Dichloropropene	4.748	75	215914	19.683	ug/l	98
37) Ethyl Acetate	3.979	43	244819	19.063	ug/l	96
38) Carbon Tetrachloride	4.735	117	261566	19.572	ug/l	97
39) Methylcyclohexane	6.047	83	244575	19.508	ug/l	98
40) Benzene	5.011	78	703684	19.991	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039332.D
Acq On : 05 Nov 2025 13:17
Operator : SY/MD
Sample : VV1105WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBSD01

Quant Time: Nov 06 00:13:35 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	4.166	41	98163	18.958	ug/l		95
42) 1,2-Dichloroethane	5.040	62	238922	19.340	ug/l		100
43) Isopropyl Acetate	5.195	43	341886	20.334	ug/l		100
44) Trichloroethene	5.835	130	172679	19.508	ug/l		99
45) 1,2-Dichloropropane	6.092	63	178359	20.823	ug/l		100
46) Dibromomethane	6.227	93	139548	19.492	ug/l		99
47) Bromodichloromethane	6.426	83	275844	19.554	ug/l		99
48) Methyl methacrylate	6.298	41	146512	18.810	ug/l		97
49) 1,4-Dioxane	6.291	88	52005	401.352	ug/l		93
51) 4-Methyl-2-Pentanone	7.146	43	1223731	104.909	ug/l		97
52) Toluene	7.307	92	451768	21.256	ug/l		100
53) t-1,3-Dichloropropene	7.574	75	255657	20.737	ug/l		100
54) cis-1,3-Dichloropropene	6.950	75	285977	20.864	ug/l		99
55) 1,1,2-Trichloroethane	7.760	97	194718	20.290	ug/l		99
56) Ethyl methacrylate	7.715	69	224114	20.612	ug/l		98
57) 1,3-Dichloropropane	7.934	76	297149	20.518	ug/l		98
58) 2-Chloroethyl Vinyl ether	6.812	63	654835	104.624	ug/l		99
59) 2-Hexanone	8.063	43	904520	105.624	ug/l		96
60) Dibromochloromethane	8.166	129	224625	20.018	ug/l		99
61) 1,2-Dibromoethane	8.272	107	201318	20.146	ug/l		99
64) Tetrachloroethene	7.896	164	155960	20.075	ug/l		97
65) Chlorobenzene	8.802	112	505581	20.053	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.895	131	186681	19.768	ug/l		98
67) Ethyl Benzene	8.937	91	757371	20.394	ug/l		99
68) m/p-Xylenes	9.063	106	635807	43.166	ug/l		98
69) o-Xylene	9.468	106	277840	21.360	ug/l		99
70) Styrene	9.487	104	510503	22.057	ug/l		99
71) Bromoform	9.654	173	150752	19.740	ug/l	#	99
73) Isopropylbenzene	9.854	105	778623	21.028	ug/l		100
74) N-amyl acetate	9.725	43	291290	19.092	ug/l		98
75) 1,1,2,2-Tetrachloroethane	10.166	83	307667	18.094	ug/l		99
76) 1,2,3-Trichloropropane	10.198	75	227760	18.715	ug/l		95
77) Bromobenzene	10.140	156	207064	20.342	ug/l		99
78) n-propylbenzene	10.278	91	934818	20.807	ug/l		100
79) 2-Chlorotoluene	10.346	91	590696	21.295	ug/l		99
80) 1,3,5-Trimethylbenzene	10.465	105	672243	21.647	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.928	75	92394	19.173	ug/l		99
82) 4-Chlorotoluene	10.461	91	686682	21.537	ug/l		99
83) tert-Butylbenzene	10.789	119	614811	19.938	ug/l		99
84) 1,2,4-Trimethylbenzene	10.838	105	659676	21.578	ug/l		100
85) sec-Butylbenzene	11.011	105	801575	20.560	ug/l		100
86) p-Isopropyltoluene	11.165	119	693353	20.684	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	407017	20.047	ug/l		100
88) 1,4-Dichlorobenzene	11.194	146	436065	19.191	ug/l		99
89) n-Butylbenzene	11.580	91	615426	19.714	ug/l		99
90) Hexachloroethane	11.818	117	152309	18.375	ug/l		99
91) 1,2-Dichlorobenzene	11.567	146	375694	19.453	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	60725	17.368	ug/l		98
93) 1,2,4-Trichlorobenzene	13.185	180	213606	19.831	ug/l		99
94) Hexachlorobutadiene	13.368	225	95038	17.424	ug/l		99
95) Naphthalene	13.426	128	669914	18.983	ug/l		99
96) 1,2,3-Trichlorobenzene	13.667	180	217871	19.461	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039332.D
Acq On : 05 Nov 2025 13:17
Operator : SY/MD
Sample : VV1105WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBSD01

Quant Time: Nov 06 00:13:35 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

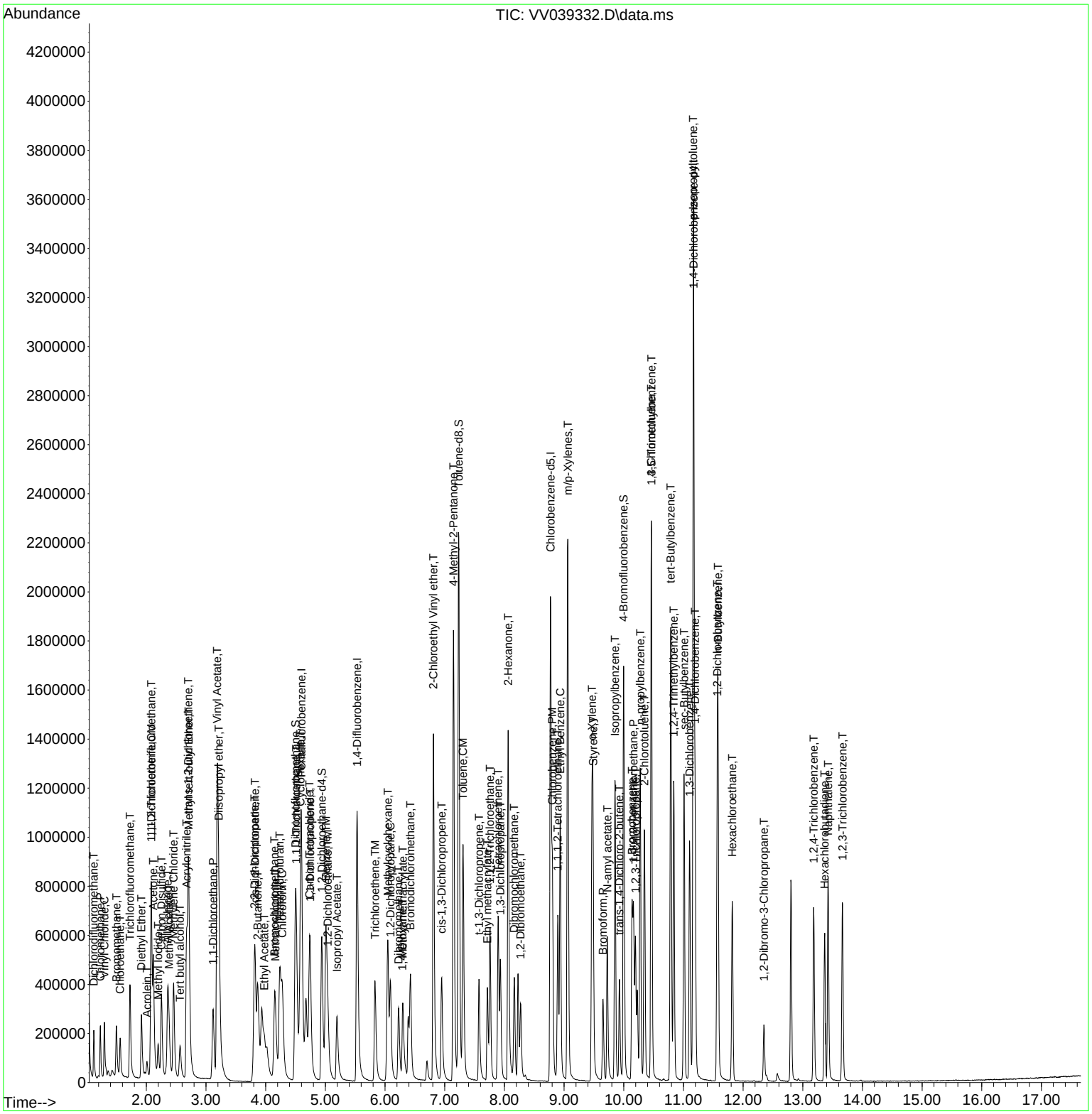
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039332.D
Acq On : 05 Nov 2025 13:17
Operator : SY/MD
Sample : VV1105WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBSD01

Quant Time: Nov 06 00:13:35 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:	VV110525	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3552-03	VV039339.D	Diisopropyl ether	Amit	11/6/2025 11:32:51 AM	MMDadoda	11/6/2025 11:33:26 AM	Peak Integrated by Software
Q3552-01	VV039342.D	2-Chlorotoluene	Amit	11/6/2025 11:32:55 AM	MMDadoda	11/6/2025 11:33:30 AM	Peak Integrated by Software
Q3552-01	VV039342.D	n-Butylbenzene	Amit	11/6/2025 11:32:55 AM	MMDadoda	11/6/2025 11:33:30 AM	Peak Integrated by Software

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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

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Fax : 908 789 8922

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

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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

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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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Fax : 908 789 8922

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. Q3552
COC Number 2046925

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@ne.com
PHONE: 609-682-3049 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Edison Landfill
PROJECT NO.: 1205T007 LOCATION: Edison, NJ
PROJECT MANAGER: Leslie Hartzell
e-mail: Leslie.Hartzell@Ne.com
PHONE: 610-663-4665 FAX:

CLIENT BILLING INFORMATION

BILL TO: APinvoices@Ne.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) X NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
X EDD FORMAT NJ Hazsite

ANALYSIS

1. TCL/TAL+30
2. VOCs
3. TAL Metals, Mercury
4. Cyanide
5. COD
6. TKN
7. Oil & grease
8. Hexchrome
9.

PRESERVATIVES

E A B D C C C F
1 2 3 4 5 6 7 8 9

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-4	GW		X	11/4/25	13:40	15	7	2	1	1	1	1	1	1		
2.	MW-8	GW		X	11/4/25	13:45	15	7	2	1	1	1	1	1	1		
3.	MW-9	GW		X	11/4/25	16:00	15	7	2	1	1	1	1	1	1		
4.	MW-10	GW		X	11/5/25	12:00	15	7	2	1	1	1	1	1	1		
5.	MW-3	GW		X	11/4/25	16:15	15	7	2	1	1	1	1	1	1		
6.	TB-1	GW		X	11/5/25	8:00	2		2	[redacted]					AM		trip blank
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Anna Maier	11/5/25 (13:30)	1. JT
2.		2.
3. JT	11.5.25 1445	3.

Conditions of bottles or coolers at receipt: X COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 + 0 = 3.8
Comments: _____

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3552 REMI02
Client Name : Remington & Vernick Engi
Client Contact : Kyle Carlson
Invoice Name : Remington & Vernick Engi
Invoice Contact : Kyle Carlson

Order Date : 11/5/2025 2:23:00 PM
Project Name : Edison Landfill
Receive DateTime : 11/5/2025 ~~12:00:00 AM~~ 2:45 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3552-01	MW-4	Water	11/04/2025	13:40					
					VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days
Q3552-02	MW-8	Water	11/04/2025	13:45					
					VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days
Q3552-03	MW-9	Water	11/04/2025	16:00					
					VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days
Q3552-04	MW-10	Water	11/05/2025	12:00					
					VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days
Q3552-05	MW-3	Water	11/04/2025	16:15					
					VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days
Q3552-06	TB	Water	11/05/2025	08:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3552 REMI02
Client Name : Remington & Vernick Engi
Client Contact : Kyle Carlson
Invoice Name : Remington & Vernick Engi
Invoice Contact : Kyle Carlson

Order Date : 11/5/2025 2:23:00 PM
Project Name : Edison Landfill
Receive DateTime : 11/5/2025 ~~12.00.00 AM~~ 2:45PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Stored in VOA FRZ # 04

Relinguished By :
Date / Time : 11/5/25 15:5

Received By :
Date / Time : 11/5/25 15:20

Storage Area : VOA Refridgerator Room