

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 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

LAB CHRONICLE

OrderID:	Q3584	OrderDate:	11/7/2025 3:17:00 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
Q3584-01	SW-1	Water	VOC-TCLVOA-10	8260-Low	11/06/25		11/10/25	11/07/25
Q3584-02	SW-2	Water	VOC-TCLVOA-10	8260-Low	11/07/25		11/10/25	11/07/25
Q3584-03	SW-3	Water	VOC-TCLVOA-10	8260-Low	11/07/25		11/10/25	11/07/25
Q3584-04	EB-2	Water	VOC-TCLVOA-10	8260-Low	11/06/25		11/11/25	11/07/25
Q3584-05	FB-2	Water	VOC-TCLVOA-10	8260-Low	11/07/25		11/10/25	11/07/25
Q3584-06	TB-3	Water	VOC-TCLVOA-10	8260-Low	11/07/25		11/10/25	11/07/25
Q3584-07	SEEP-1	Water	VOC-TCLVOA-10	8260-Low	11/07/25		11/11/25	11/07/25

Hit Summary Sheet
SW-846

SDG No.: Q3584

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q3584-01	SW-1 SW-1	Water	Acetone	4.00	J	1.50	5.00	ug/L
			Total Voc :	4.00				
			Total Concentration:	4.00				
Client ID: Q3584-02	SW-2 SW-2	Water	Acetone	4.50	J	1.50	5.00	ug/L
			Total Voc :	4.50				
			Total Concentration:	4.50				
Client ID: Q3584-03	SW-3 SW-3	Water	Acetone	3.90	J	1.50	5.00	ug/L
			Total Voc :	3.90				
			Total Concentration:	3.90				
Client ID: Q3584-04	EB-2 EB-2	Water	Acetone	8.20		1.50	5.00	ug/L
			Total Voc :	8.20				
			Total Concentration:	8.20				
Client ID: Q3584-07	SEEP-1 SEEP-1	Water	Acetone	49.7	J	15.1	50.0	ug/L
			Total Voc :	49.7				
Q3584-07	SEEP-1	Water	Tert butyl alcohol	* 81.1	J	55.1	250	ug/L
			Total Tics :	81.1				
			Total Concentration:	131				



QC SUMMARY

Surrogate Summary

SDG No.: **Q3584**

Client: **Remington & Vernick Engineers**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3584-01	SW-1	1,2-Dichloroethane-d4	50	53.3	107		70 (74)	130 (125)
		Dibromofluoromethane	50	47.7	95		70 (75)	130 (124)
		Toluene-d8	50	50.8	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	59.3	119		70 (77)	130 (121)
Q3584-02	SW-2	1,2-Dichloroethane-d4	50	55.5	111		70 (74)	130 (125)
		Dibromofluoromethane	50	45.1	90		70 (75)	130 (124)
		Toluene-d8	50	48.3	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.1	112		70 (77)	130 (121)
Q3584-03	SW-3	1,2-Dichloroethane-d4	50	55.4	111		70 (74)	130 (125)
		Dibromofluoromethane	50	46.1	92		70 (75)	130 (124)
		Toluene-d8	50	51.3	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	59.5	119		70 (77)	130 (121)
Q3584-04	EB-2	1,2-Dichloroethane-d4	50	56.7	113		70 (74)	130 (125)
		Dibromofluoromethane	50	46.1	92		70 (75)	130 (124)
		Toluene-d8	50	51.4	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	60.1	120		70 (77)	130 (121)
Q3584-05	FB-2	1,2-Dichloroethane-d4	50	57.5	115		70 (74)	130 (125)
		Dibromofluoromethane	50	59.4	119		70 (75)	130 (124)
		Toluene-d8	50	51.6	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.9	116		70 (77)	130 (121)
Q3584-06	TB-3	1,2-Dichloroethane-d4	50	52.5	105		70 (74)	130 (125)
		Dibromofluoromethane	50	44.2	88		70 (75)	130 (124)
		Toluene-d8	50	49.2	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	60.1	120		70 (77)	130 (121)
Q3584-07	SEEP-1	1,2-Dichloroethane-d4	50	49.2	98		70 (74)	130 (125)
		Dibromofluoromethane	50	43.5	87		70 (75)	130 (124)
		Toluene-d8	50	50.0	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.0	112		70 (77)	130 (121)
VX1110WBL01	VX1110WBL01	1,2-Dichloroethane-d4	50	50.1	100		70 (74)	130 (125)
		Dibromofluoromethane	50	44.1	88		70 (75)	130 (124)
		Toluene-d8	50	52.5	105		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.2	116		70 (77)	130 (121)
VX1110WBS01	VX1110WBS01	1,2-Dichloroethane-d4	50	57.5	115		70 (74)	130 (125)
		Dibromofluoromethane	50	46.9	94		70 (75)	130 (124)
		Toluene-d8	50	52.5	105		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.3	103		70 (77)	130 (121)
VX1110WBSD0	VX1110WBSD01	1,2-Dichloroethane-d4	50	50.4	101		70 (74)	130 (125)
		Dibromofluoromethane	50	45.5	91		70 (75)	130 (124)
		Toluene-d8	50	50.0	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98		70 (77)	130 (121)
VX1111WBL01	VX1111WBL01	1,2-Dichloroethane-d4	50	55.6	111		70 (74)	130 (125)
		Dibromofluoromethane	50	47.5	95		70 (75)	130 (124)
		Toluene-d8	50	50.3	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.0	116		70 (77)	130 (121)
VX1111WBS01	VX1111WBS01	1,2-Dichloroethane-d4	50	49.0	98		70 (74)	130 (125)
		Dibromofluoromethane	50	46.0	92		70 (75)	130 (124)
		Toluene-d8	50	51.5	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.7	99		70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q3584	Analytical Method:	SW8260-Low
Client:	Remington & Vernick Engineers	Datafile :	VX048530.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1110WBS01	Dichlorodifluoromethane	20	17.9	ug/L	90			40 (69)	160 (116)	
	Chloromethane	20	18.6	ug/L	93			40 (65)	160 (116)	
	Vinyl chloride	20	19.4	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	25.7	ug/L	129			40 (58)	160 (125)	
	Chloroethane	20	22.0	ug/L	110			40 (56)	160 (128)	
	Trichlorofluoromethane	20	21.6	ug/L	108			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			70 (80)	130 (112)	
	1,1-Dichloroethene	20	19.9	ug/L	100			70 (74)	130 (110)	
	Acetone	100	120	ug/L	120			40 (60)	160 (125)	
	Carbon disulfide	20	17.7	ug/L	89			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.7	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	19.8	ug/L	99			70 (57)	130 (150)	
	Methylene Chloride	20	18.7	ug/L	94			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.3	ug/L	97			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.7	ug/L	99			70 (78)	130 (112)	
	Cyclohexane	20	18.7	ug/L	94			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	17.8	ug/L	89			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.8	ug/L	94			70 (77)	130 (110)	
	Bromochloromethane	20	19.8	ug/L	99			70 (70)	130 (124)	
	Chloroform	20	20.2	ug/L	101			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.6	ug/L	98			70 (80)	130 (108)	
	Methylcyclohexane	20	17.0	ug/L	85			70 (72)	130 (115)	
	Benzene	20	17.8	ug/L	89			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.6	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	18.6	ug/L	93			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.9	ug/L	100			70 (83)	130 (111)	
	Bromodichloromethane	20	21.0	ug/L	105			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	20.7	ug/L	104			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	21.0	ug/L	105			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	22.1	ug/L	111			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	21.3	ug/L	106			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.6	ug/L	108			70 (81)	130 (110)	
	Tetrachloroethene	20	17.4	ug/L	87			70 (67)	130 (123)	
	Chlorobenzene	20	18.1	ug/L	91			70 (82)	130 (109)	
	Ethyl Benzene	20	18.0	ug/L	90			70 (83)	130 (109)	
	m/p-Xylenes	40	37.0	ug/L	93			70 (82)	130 (110)	
	o-Xylene	20	17.9	ug/L	90			70 (83)	130 (109)	
	Styrene	20	18.6	ug/L	93			70 (80)	130 (111)	
	Bromoform	20	18.3	ug/L	92			70 (79)	130 (109)	
	Isopropylbenzene	20	18.1	ug/L	91			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	18.7	ug/L	94			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.1	ug/L	91			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3584</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>VX048530.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX1110WBS01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/L	101			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	21.5	ug/L	108			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.6	ug/L	88			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3584</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>VX048531.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1110WBSD01	Dichlorodifluoromethane	20	14.1	ug/L	71	24	*	40 (69)	160 (116)	20 (19)
	Chloromethane	20	15.8	ug/L	79	16		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	16.8	ug/L	84	14		70 (65)	130 (117)	20 (19)
	Bromomethane	20	21.5	ug/L	108	18		40 (58)	160 (125)	20 (30)
	Chloroethane	20	18.3	ug/L	92	18		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	17.6	ug/L	88	20		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/L	92	7		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	18.1	ug/L	91	9		70 (74)	130 (110)	20 (20)
	Acetone	100	91.0	ug/L	91	27	*	40 (60)	160 (125)	20 (27)
	Carbon disulfide	20	17.3	ug/L	86	3		40 (64)	160 (112)	20 (17)
	Methyl tert-butyl Ether	20	18.9	ug/L	95	9		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	18.3	ug/L	92	7		70 (57)	130 (150)	20 (20)
	Methylene Chloride	20	18.4	ug/L	92	2		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	17.7	ug/L	89	9		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	18.4	ug/L	92	7		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.4	ug/L	92	2		70 (75)	130 (110)	20 (20)
	2-Butanone	100	98.1	ug/L	98	12		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	16.9	ug/L	85	5		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	18.1	ug/L	91	3		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	17.2	ug/L	86	14		70 (70)	130 (124)	20 (20)
	Chloroform	20	18.3	ug/L	92	9		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	17.8	ug/L	89	10		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.8	ug/L	89	5		70 (72)	130 (115)	20 (20)
	Benzene	20	17.4	ug/L	87	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.1	ug/L	91	12		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.5	ug/L	93	0		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.1	ug/L	96	4		70 (83)	130 (111)	20 (21)
	Bromodichloromethane	20	19.8	ug/L	99	6		70 (83)	130 (110)	20 (21)
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		40 (74)	160 (118)	20 (25)
	Toluene	20	20.5	ug/L	103	1		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	19.0	ug/L	95	9		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.0	ug/L	100	5		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	21.0	ug/L	105	6		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	100	ug/L	100	10		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	20.0	ug/L	100	6		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.9	ug/L	104	4		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.4	ug/L	92	6		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.4	ug/L	92	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	18.2	ug/L	91	1		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	38.0	ug/L	95	2		70 (82)	130 (110)	20 (20)
	o-Xylene	20	18.7	ug/L	94	4		70 (83)	130 (109)	20 (20)
	Styrene	20	19.1	ug/L	96	3		70 (80)	130 (111)	20 (17)
	Bromoform	20	18.3	ug/L	92	0		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	18.7	ug/L	94	3		70 (83)	130 (112)	20 (22)
	1,1,2,2-Tetrachloroethane	20	18.3	ug/L	92	2		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	18.0	ug/L	90	0		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	17.9	ug/L	90	1		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	18.1	ug/L	91	0		70 (82)	130 (109)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3584</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>VX048531.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1110WBSD01	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94	7		40 (68)	160 (112)	20 (26)
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89	19		70 (75)	130 (113)	20 (21)
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95	8		70 (76)	130 (114)	20 (22)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3584</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>VX048552.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1111WBS01	Dichlorodifluoromethane	20	21.0	ug/L	105			40 (69)	160 (116)	
	Chloromethane	20	19.0	ug/L	95			40 (65)	160 (116)	
	Vinyl chloride	20	18.8	ug/L	94			70 (65)	130 (117)	
	Bromomethane	20	21.1	ug/L	106			40 (58)	160 (125)	
	Chloroethane	20	18.3	ug/L	92			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.0	ug/L	90			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.8	ug/L	94			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.1	ug/L	91			70 (74)	130 (110)	
	Acetone	100	90.7	ug/L	91			40 (60)	160 (125)	
	Carbon disulfide	20	17.5	ug/L	88			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.2	ug/L	91			70 (78)	130 (114)	
	Methyl Acetate	20	17.3	ug/L	86			70 (57)	130 (150)	
	Methylene Chloride	20	18.4	ug/L	92			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.3	ug/L	92			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.6	ug/L	93			70 (78)	130 (112)	
	Cyclohexane	20	17.7	ug/L	89			70 (75)	130 (110)	
	2-Butanone	100	89.3	ug/L	89			40 (65)	160 (122)	
	Carbon Tetrachloride	20	15.6	ug/L	78			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	17.5	ug/L	88			70 (77)	130 (110)	
	Bromochloromethane	20	18.5	ug/L	93			70 (70)	130 (124)	
	Chloroform	20	17.8	ug/L	89			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.3	ug/L	86			70 (80)	130 (108)	
	Methylcyclohexane	20	17.4	ug/L	87			70 (72)	130 (115)	
	Benzene	20	16.3	ug/L	81			70 (82)	130 (109)	
	1,2-Dichloroethane	20	16.7	ug/L	84			70 (80)	130 (115)	
	Trichloroethene	20	17.4	ug/L	87			70 (77)	130 (113)	
	1,2-Dichloropropane	20	18.3	ug/L	92			70 (83)	130 (111)	
	Bromodichloromethane	20	19.1	ug/L	96			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	96.6	ug/L	97			40 (74)	160 (118)	
	Toluene	20	19.7	ug/L	99			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			70 (83)	130 (112)	
	2-Hexanone	100	94.8	ug/L	95			40 (73)	160 (117)	
	Dibromochloromethane	20	19.1	ug/L	96			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.8	ug/L	99			70 (81)	130 (110)	
	Tetrachloroethene	20	16.2	ug/L	81			70 (67)	130 (123)	
	Chlorobenzene	20	17.1	ug/L	86			70 (82)	130 (109)	
	Ethyl Benzene	20	16.7	ug/L	84			70 (83)	130 (109)	
	m/p-Xylenes	40	35.0	ug/L	88			70 (82)	130 (110)	
	o-Xylene	20	17.1	ug/L	86			70 (83)	130 (109)	
	Styrene	20	17.6	ug/L	88			70 (80)	130 (111)	
	Bromoform	20	16.7	ug/L	84			70 (79)	130 (109)	
	Isopropylbenzene	20	17.9	ug/L	90			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.8	ug/L	89			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.7	ug/L	89			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.5	ug/L	88			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3584 Analytical Method: SW8260-Low
Client: Remington & Vernick Engineers Datafile : VX048552.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1111WBS01	1,2-Dibromo-3-Chloropropane	20	16.9	ug/L	85			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.0	ug/L	85			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	16.8	ug/L	84			70 (76)	130 (114)	

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1110WBL01

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3584

Lab File ID: VX048528.D

Lab Sample ID: VX1110WBL01

Date Analyzed: 11/10/2025

Time Analyzed: 10:04

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1110WBS01	VX1110WBS01	VX048530.D	11/10/2025
VX1110WBSD01	VX1110WBSD01	VX048531.D	11/10/2025
FB-2	Q3584-05	VX048538.D	11/10/2025
TB-3	Q3584-06	VX048539.D	11/10/2025
SW-1	Q3584-01	VX048540.D	11/10/2025
SW-2	Q3584-02	VX048541.D	11/10/2025
SW-3	Q3584-03	VX048542.D	11/10/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1111WBL01

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3584

Lab File ID: VX048551.D

Lab Sample ID: VX1111WBL01

Date Analyzed: 11/11/2025

Time Analyzed: 10:02

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1111WBS01	VX1111WBS01	VX048552.D	11/11/2025
EB-2	Q3584-04	VX048555.D	11/11/2025
SEEP-1	Q3584-07	VX048556.D	11/11/2025

COMMENTS: _____



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VX048515.D
Instrument ID: MSVOA_X
GC Column: DB-624UI ID: 0.18 (mm)

Contract: REMI02
SDG NO.: Q3584
BFB Injection Date: 11/07/2025
BFB Injection Time: 13:06
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	5.7 (7.3) 1
176	95.0 - 101.0% of mass 174	75.5 (97.9) 1
177	5.0 - 9.0% of mass 176	4.7 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX048516.D	11/07/2025	13:35
VSTDIC005	VSTDIC005	VX048517.D	11/07/2025	13:56
VSTDIC020	VSTDIC020	VX048518.D	11/07/2025	14:16
VSTDIC100	VSTDIC100	VX048520.D	11/07/2025	14:58
VSTDIC150	VSTDIC150	VX048521.D	11/07/2025	15:18
VSTDIC050	VSTDIC050	VX048524.D	11/07/2025	16:29



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3584

Lab File ID: VX048526.D

BFB Injection Date: 11/10/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:34

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	16.6
75	30.0 - 60.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	78
175	5.0 - 9.0% of mass 174	6 (7.6) 1
176	95.0 - 101.0% of mass 174	75.4 (96.6) 1
177	5.0 - 9.0% of mass 176	5.2 (6.9) 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	VX048527.D	11/10/2025	09:36
VX1110WBL01	VX1110WBL01	VX048528.D	11/10/2025	10:04
VX1110WBS01	VX1110WBS01	VX048530.D	11/10/2025	11:49
VX1110WBSD01	VX1110WBSD01	VX048531.D	11/10/2025	12:16
FB-2	Q3584-05	VX048538.D	11/10/2025	14:45
TB-3	Q3584-06	VX048539.D	11/10/2025	15:06
SW-1	Q3584-01	VX048540.D	11/10/2025	15:27
SW-2	Q3584-02	VX048541.D	11/10/2025	15:48
SW-3	Q3584-03	VX048542.D	11/10/2025	16:08



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3584

Lab File ID: VX048548.D

BFB Injection Date: 11/11/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:09

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	17.5
75	30.0 - 60.0% of mass 95	48.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	76.9
175	5.0 - 9.0% of mass 174	5.7 (7.4) 1
176	95.0 - 101.0% of mass 174	76.1 (99) 1
177	5.0 - 9.0% of mass 176	5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048549.D	11/11/2025	09:11
VX1111WBL01	VX1111WBL01	VX048551.D	11/11/2025	10:02
VX1111WBS01	VX1111WBS01	VX048552.D	11/11/2025	10:35
EB-2	Q3584-04	VX048555.D	11/11/2025	11:43
SEEP-1	Q3584-07	VX048556.D	11/11/2025	12:04

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02
Lab Code: ACE SDG NO.: Q3584
Lab File ID: VX048527.D Date Analyzed: 11/10/2025
Instrument ID: MSVOA_X Time Analyzed: 09:36
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	178330	5.53	288528	6.74	248957	10.04
UPPER LIMIT	356660	6.032	577056	7.239	497914	10.537
LOWER LIMIT	89165	5.032	144264	6.239	124479	9.537
EPA SAMPLE NO.						
SW-1	172124	5.54	320476	6.75	339849	10.04
SW-2	180936	5.54	361159	6.75	362263	10.04
SW-3	181183	5.54	361304	6.75	386173	10.04
FB-2	164671	5.54	253875	6.75	270369	10.04
TB-3	166567	5.54	331464	6.75	343876	10.04
VX1110WBL01	157554	5.54	305452	6.74	313169	10.04
VX1110WBS01	140876	5.54	243139	6.75	219757	10.04
VX1110WBSD01	186739	5.53	314084	6.75	272722	10.04

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02
 Lab Code: ACE SDG NO.: Q3584
 Lab File ID: VX048527.D Date Analyzed: 11/10/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:36
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	127604	12.00€				
UPPER LIMIT	255208	12.50€				
LOWER LIMIT	63802	11.50€				
EPA SAMPLE NO.						
SW-1	185006	12.01				
SW-2	195935	12.01				
SW-3	204501	12.01				
FB-2	142954	12.01				
TB-3	201653	12.01				
VX1110WBL01	160725	12.01				
VX1110WBS01	112690	12.01				
VX1110WBSD01	139918	12.01				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02
Lab Code: ACE SDG NO.: Q3584
Lab File ID: VX048549.D Date Analyzed: 11/11/2025
Instrument ID: MSVOA_X Time Analyzed: 09:11
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	181006	5.53	289835	6.74	252348	10.04
UPPER LIMIT	362012	6.032	579670	7.239	504696	10.537
LOWER LIMIT	90503	5.032	144918	6.239	126174	9.537
EPA SAMPLE NO.						
EB-2	180349	5.54	362115	6.75	387054	10.04
SEEP-1	213710	5.54	420027	6.75	432332	10.04
VX1111WBL01	184346	5.54	353648	6.75	374656	10.04
VX1111WBS01	187478	5.53	320628	6.74	287293	10.04

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02
 Lab Code: ACE SDG NO.: Q3584
 Lab File ID: VX048549.D Date Analyzed: 11/11/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:11
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	129793	12.00€				
UPPER LIMIT	259586	12.50€				
LOWER LIMIT	64896.5	11.50€				
EPA SAMPLE NO.						
EB-2	202689	12.01				
SEEP-1	225901	12.01				
VX1111WBL01	195630	12.01				
VX1111WBS01	141984	12.01				

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

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: SW-1
 Lab Sample ID: Q3584-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/06/25
 Date Received: 11/07/25
 SDG No.: Q3584
 Matrix: Water
 % Solid: 0
 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	11/10/25 15:27	VX111025
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/10/25 15:27	VX111025
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/10/25 15:27	VX111025
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/10/25 15:27	VX111025
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/10/25 15:27	VX111025
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/10/25 15:27	VX111025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/10/25 15:27	VX111025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:27	VX111025
67-64-1	Acetone	4.00	J	1	1.50	5.00	ug/L	11/10/25 15:27	VX111025
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/10/25 15:27	VX111025
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:27	VX111025
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/10/25 15:27	VX111025
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/10/25 15:27	VX111025
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:27	VX111025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:27	VX111025
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/10/25 15:27	VX111025
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/10/25 15:27	VX111025
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/10/25 15:27	VX111025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/10/25 15:27	VX111025
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 15:27	VX111025
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/10/25 15:27	VX111025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:27	VX111025
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:27	VX111025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/10/25 15:27	VX111025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 15:27	VX111025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/10/25 15:27	VX111025
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:27	VX111025
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 15:27	VX111025
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/10/25 15:27	VX111025
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/10/25 15:27	VX111025
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/10/25 15:27	VX111025
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:27	VX111025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/10/25 15:27	VX111025
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/10/25 15:27	VX111025
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/10/25 15:27	VX111025
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/10/25 15:27	VX111025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:27	VX111025
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/10/25 15:27	VX111025
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/10/25 15:27	VX111025
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/10/25 15:27	VX111025
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/10/25 15:27	VX111025
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/10/25 15:27	VX111025
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/10/25 15:27	VX111025



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Report of Analysis

Client: Remington & Vernick Engineers
Project: Edison Landfill
Client Sample ID: SW-1
Lab Sample ID: Q3584-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/06/25
Date Received: 11/07/25
SDG No.: Q3584
Matrix: Water
% Solid: 0
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	11/10/25 15:27	VX111025
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/10/25 15:27	VX111025
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:27	VX111025
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/10/25 15:27	VX111025
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:27	VX111025
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/10/25 15:27	VX111025
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:27	VX111025
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:27	VX111025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.3			70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	47.7			70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	50.8			70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.3			70 (77) - 130 (121)	119%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	172000
540-36-3	1,4-Difluorobenzene	320000
3114-55-4	Chlorobenzene-d5	340000
3855-82-1	1,4-Dichlorobenzene-d4	185000

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_X\Data\VX111025\
 Data File : VX048540.D
 Acq On : 10 Nov 2025 15:27
 Operator : JC/MD
 Sample : Q3584-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-1

Quant Time: Nov 11 00:47:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

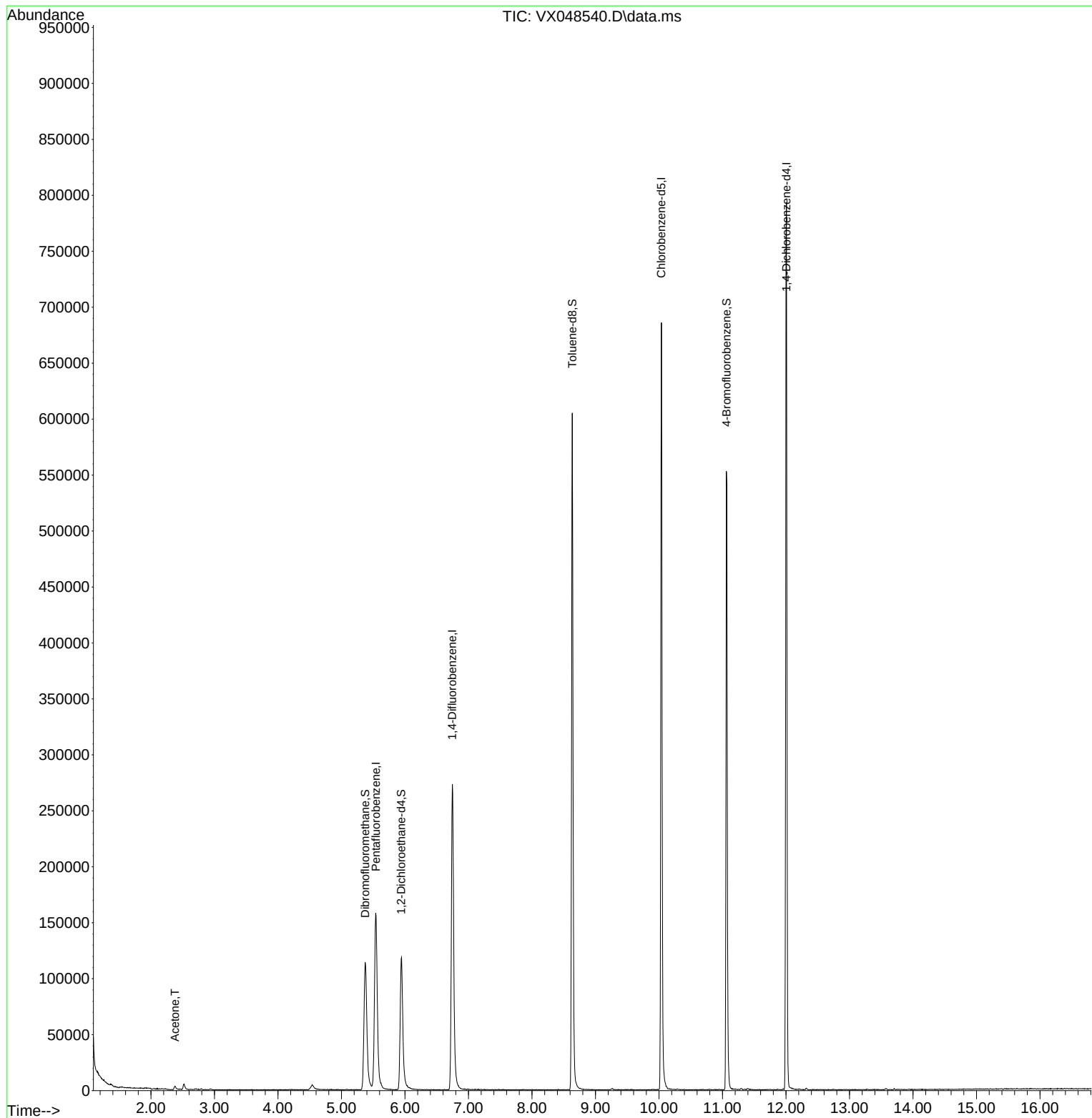
Internal Standards						
1) Pentafluorobenzene	5.544	168	172124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	320476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	339849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	185006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	127889	53.322	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.640%
35) Dibromofluoromethane	5.373	113	115768	47.728	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.460%
50) Toluene-d8	8.635	98	384460	50.821	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.640%
62) 4-Bromofluorobenzene	11.061	95	167170	59.297	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.600%
Target Compounds						
16) Acetone	2.380	43	4551	4.009	ug/l	91

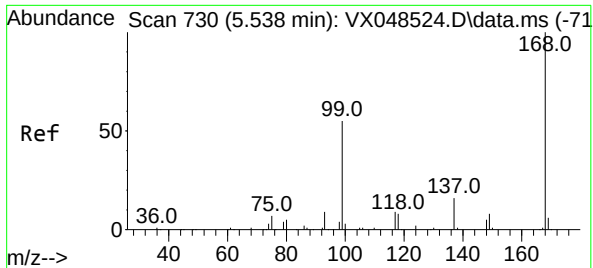
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048540.D
Acq On : 10 Nov 2025 15:27
Operator : JC/MD
Sample : Q3584-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-1

Quant Time: Nov 11 00:47:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

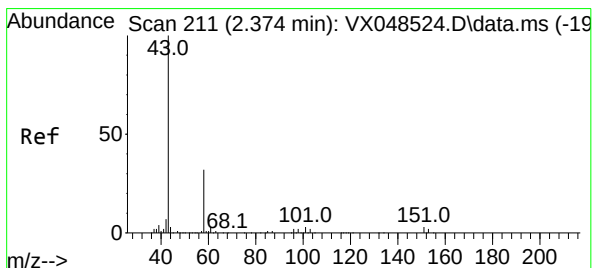
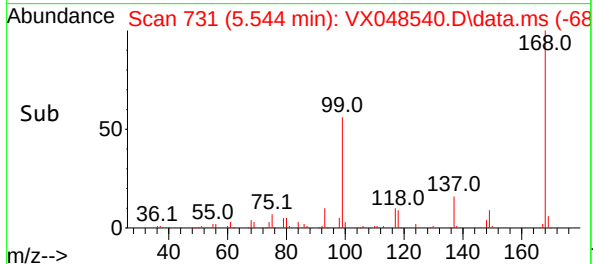
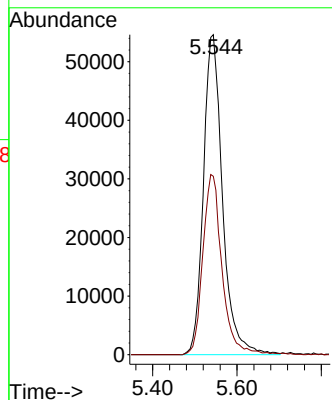
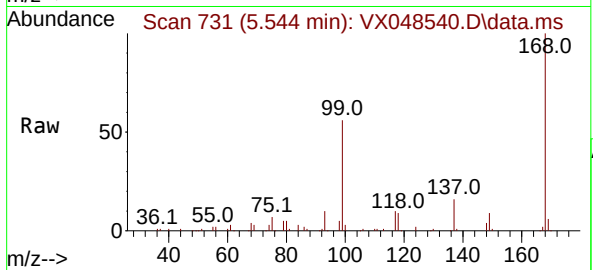




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

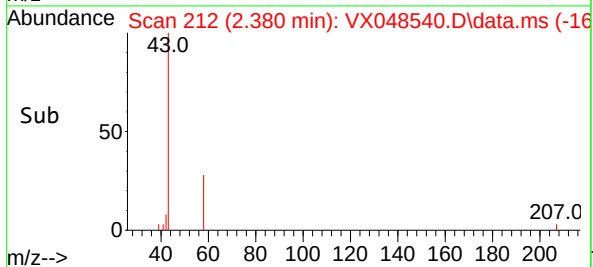
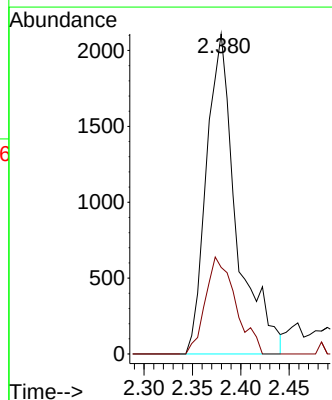
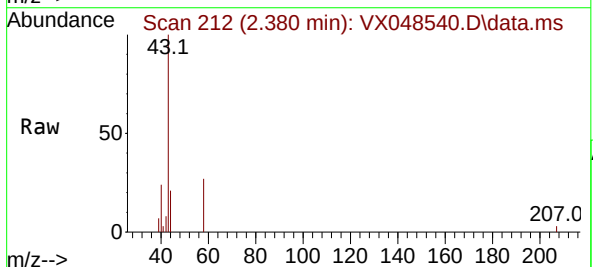
Instrument :
MSVOA_X
ClientSampleId :
SW-1

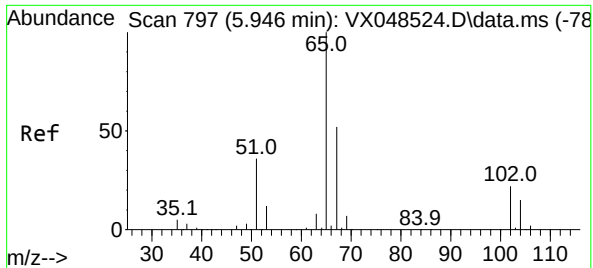
Tgt Ion:168 Resp: 172124
Ion Ratio Lower Upper
168 100
99 55.8 45.2 67.8



#16
Acetone
Concen: 4.009 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

Tgt Ion: 43 Resp: 4551
Ion Ratio Lower Upper
43 100
58 27.1 25.8 38.6





#33

1,2-Dichloroethane-d4

Concen: 53.322 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048540.D

Acq: 10 Nov 2025 15:27

Instrument :

MSVOA_X

ClientSampleId :

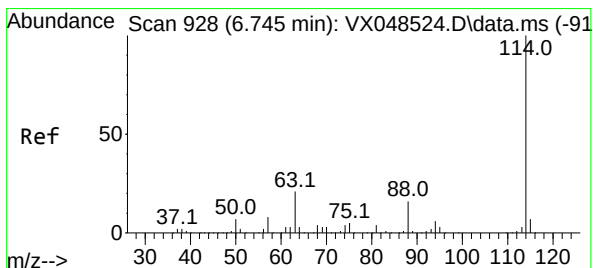
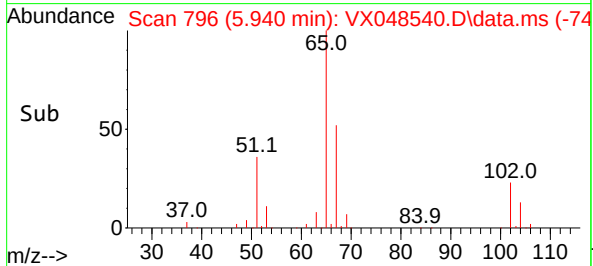
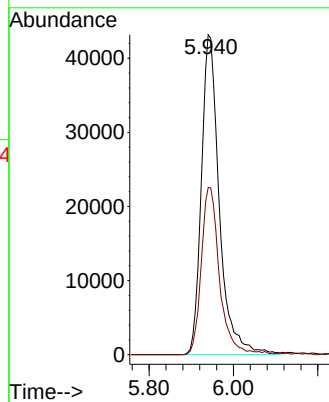
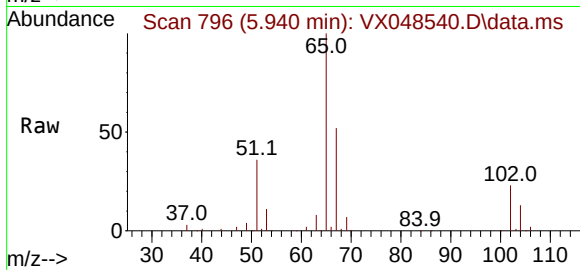
SW-1

Tgt Ion: 65 Resp: 127889

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048540.D

Acq: 10 Nov 2025 15:27

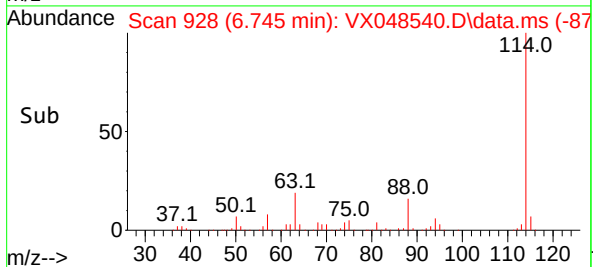
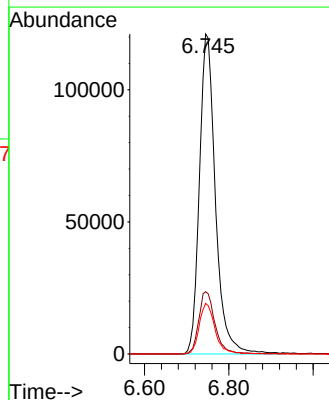
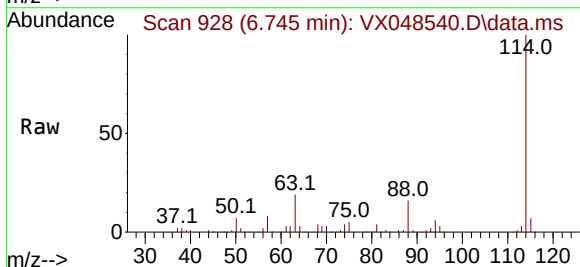
Tgt Ion: 114 Resp: 320476

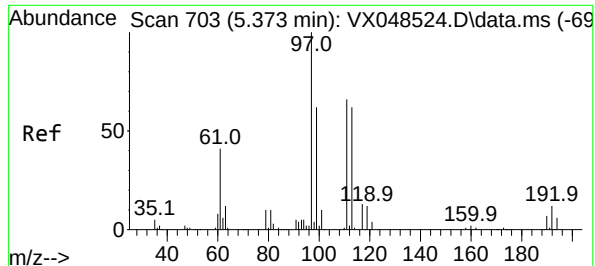
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.2

88 15.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.728 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048540.D

Acq: 10 Nov 2025 15:27

Instrument :

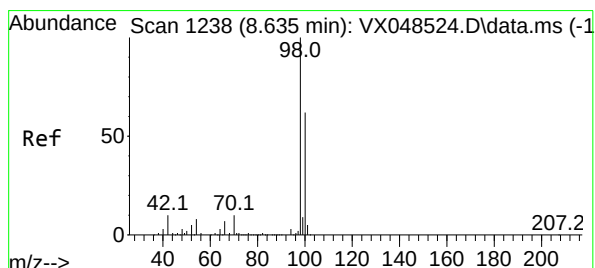
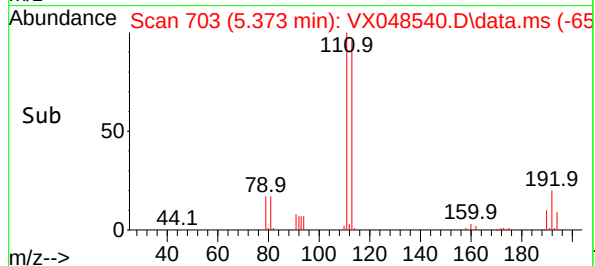
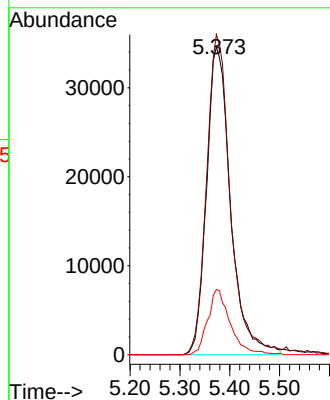
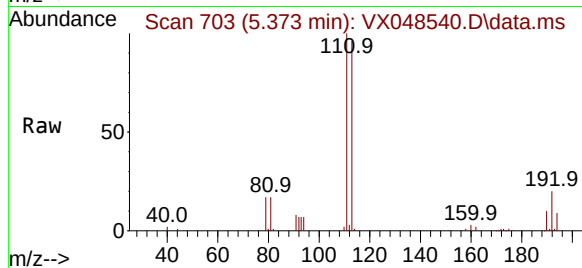
MSVOA_X

ClientSampleId :

SW-1

Tgt Ion:113 Resp: 115768

Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.9	122.9
192	19.9	15.8	23.6



#50

Toluene-d8

Concen: 50.821 ug/l

RT: 8.635 min Scan# 1238

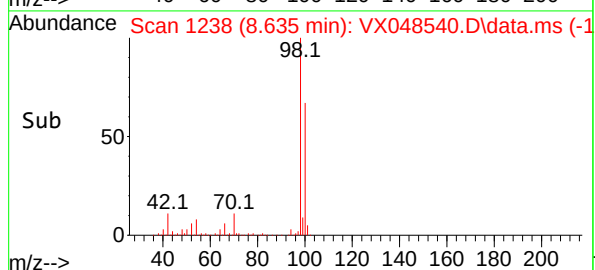
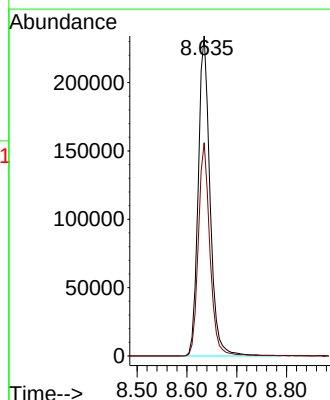
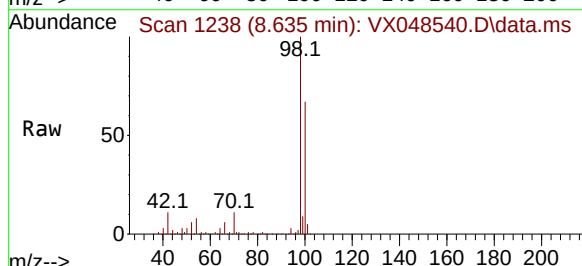
Delta R.T. -0.000 min

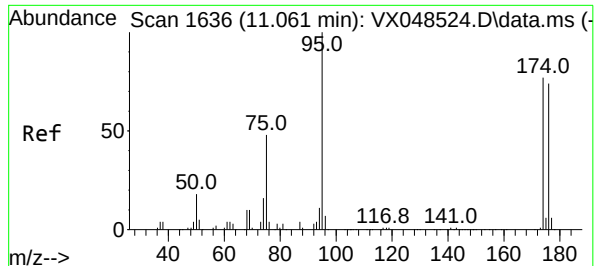
Lab File: VX048540.D

Acq: 10 Nov 2025 15:27

Tgt Ion: 98 Resp: 384460

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.6	80.4

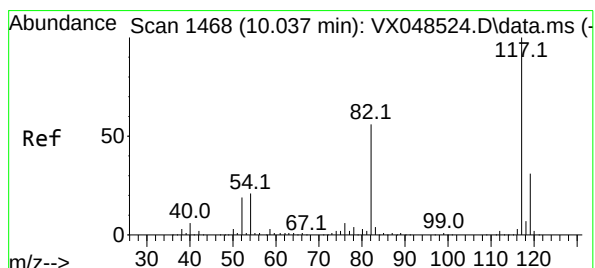
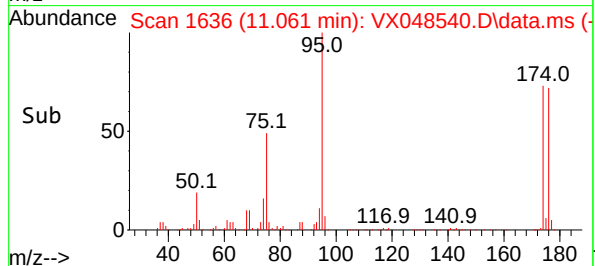
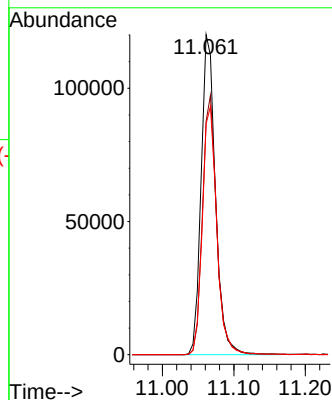
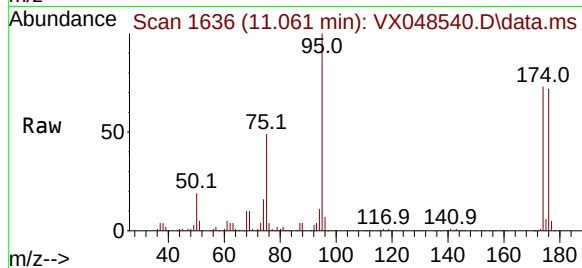




#62
4-Bromofluorobenzene
Concen: 59.297 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

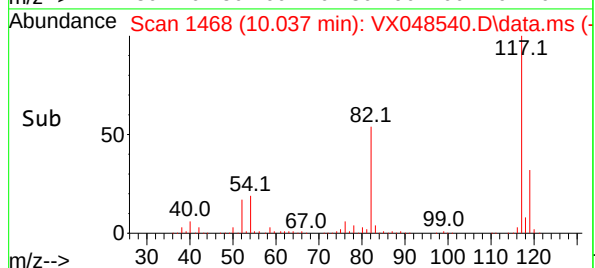
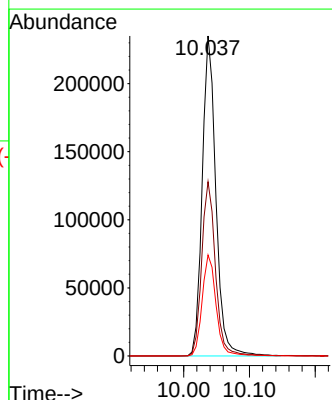
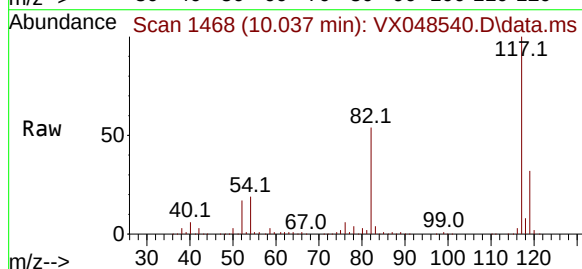
Instrument :
MSVOA_X
ClientSampleId :
SW-1

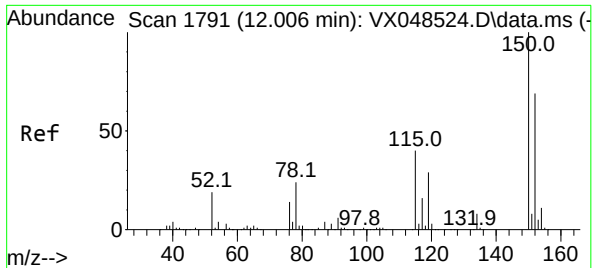
Tgt Ion: 95 Resp: 167170
Ion Ratio Lower Upper
95 100
174 80.1 0.0 161.8
176 78.4 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048540.D
Acq: 10 Nov 2025 15:27

Tgt Ion: 117 Resp: 339849
Ion Ratio Lower Upper
117 100
82 54.4 44.4 66.6
119 31.6 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048540.D

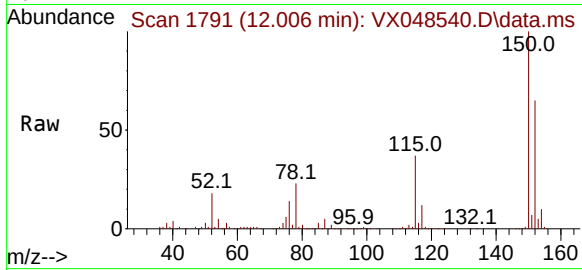
Acq: 10 Nov 2025 15:27

Instrument :

MSVOA_X

ClientSampleId :

SW-1



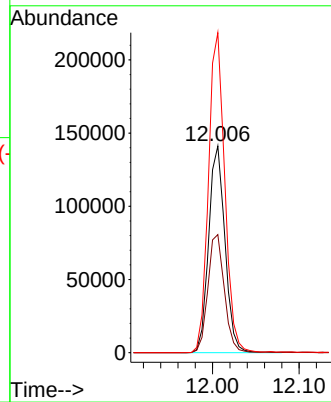
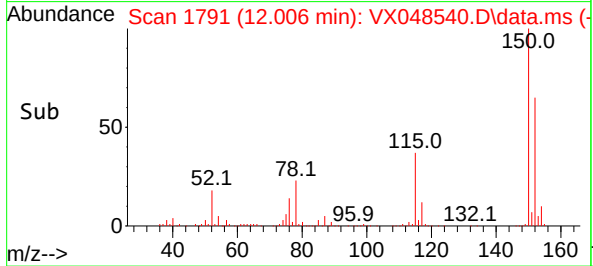
Tgt Ion:152 Resp: 185006

Ion Ratio Lower Upper

152 100

115 57.8 39.2 117.6

150 154.4 0.0 347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048540.D
Acq On : 10 Nov 2025 15:27
Operator : JC/MD
Sample : Q3584-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048540.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.538	556	566	574	rBV	4570	14700	1.38%	0.254%
2	5.373	692	703	719	rBV	113901	370547	34.75%	6.401%
3	5.538	720	730	756	rVB	157509	497248	46.63%	8.589%
4	5.946	784	797	811	rBV	118383	346942	32.53%	5.993%
5	6.745	919	928	951	rBV	273159	717139	67.25%	12.388%
6	8.635	1231	1238	1257	rBV	604679	990713	92.90%	17.113%
7	10.037	1462	1468	1484	rBV	685104	1001842	93.94%	17.306%
8	11.061	1631	1636	1650	rBV	552179	783569	73.47%	13.535%
9	12.006	1785	1791	1800	rBV	792513	1066450	100.00%	18.422%

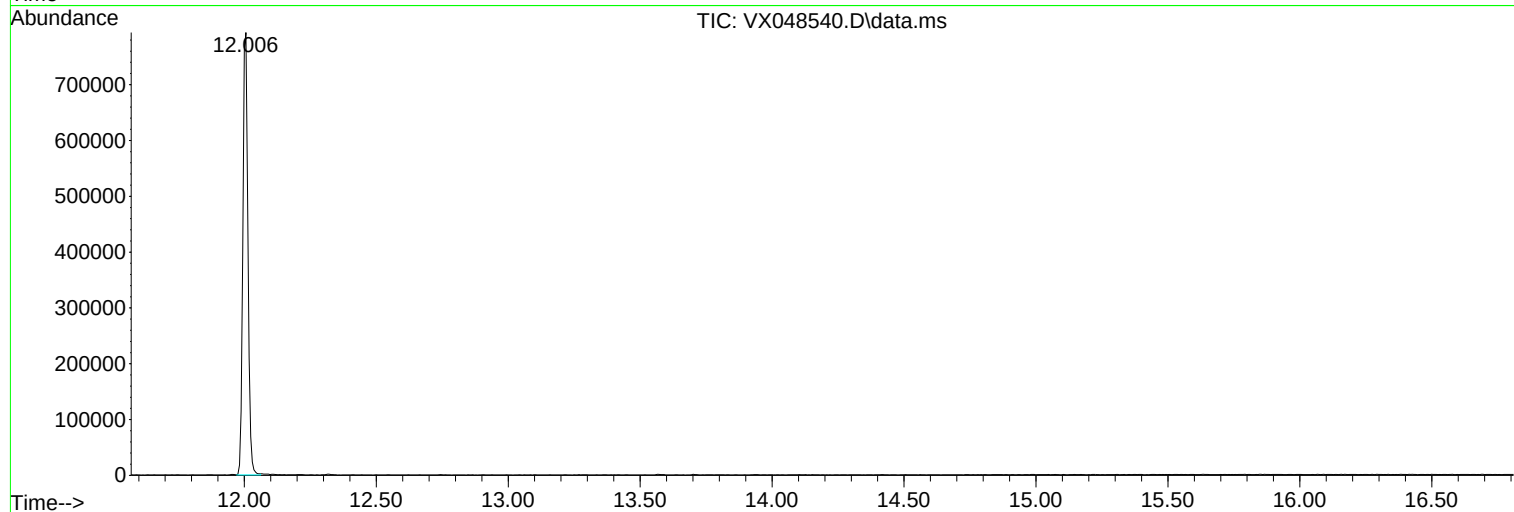
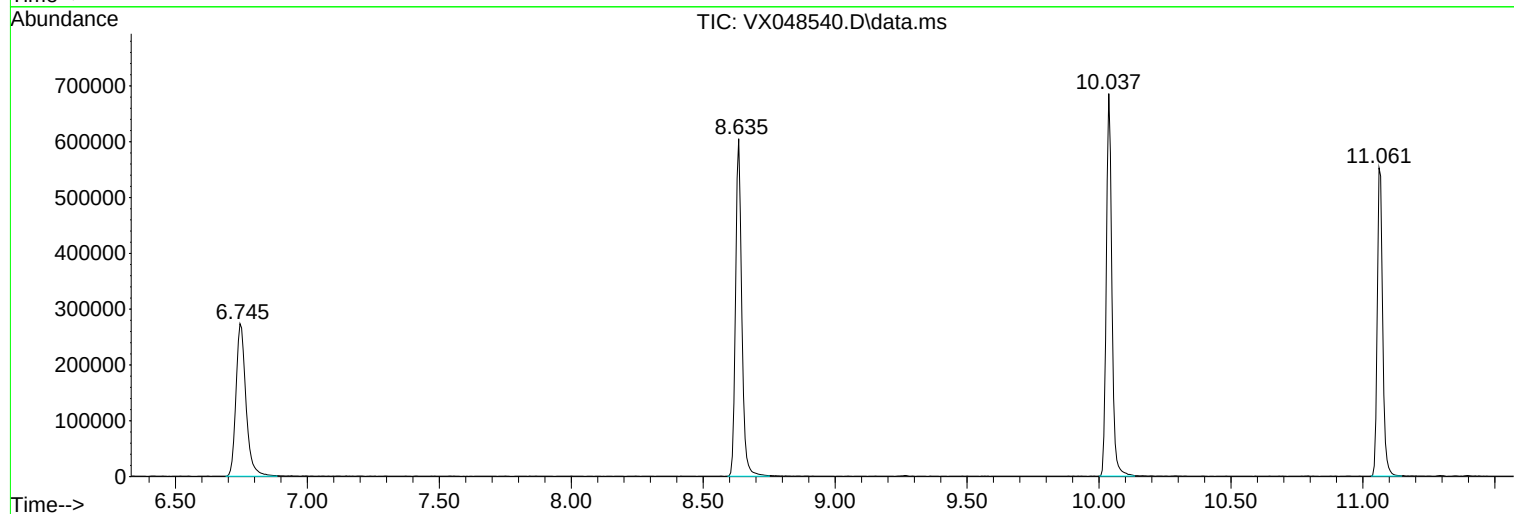
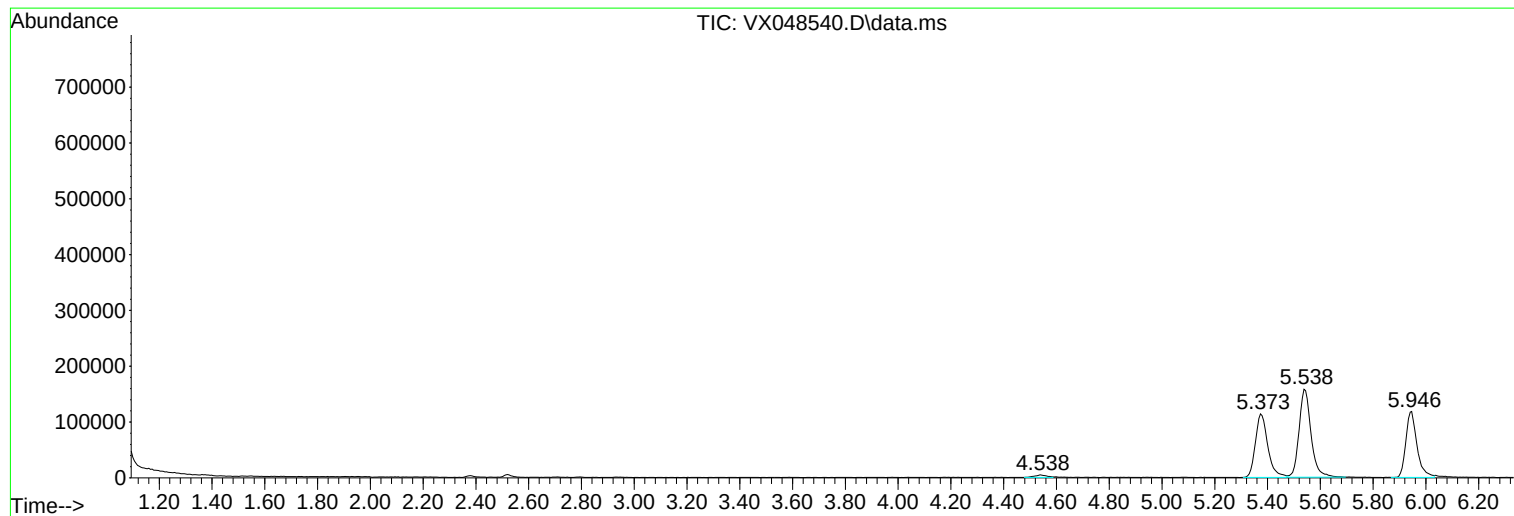
Sum of corrected areas: 5789150

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048540.D
Acq On : 10 Nov 2025 15:27
Operator : JC/MD
Sample : Q3584-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048540.D
Acq On : 10 Nov 2025 15:27
Operator : JC/MD
Sample : Q3584-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.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_X\Data\VX111025\
Data File : VX048540.D
Acq On : 10 Nov 2025 15:27
Operator : JC/MD
Sample : Q3584-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
------------------	----	---------	-------	----------	---	----	------	------

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: SW-2
 Lab Sample ID: Q3584-02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/07/25
 SDG No.: Q3584
 Matrix: Water
 % Solid: 0
 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	11/10/25 15:48	VX111025
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/10/25 15:48	VX111025
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/10/25 15:48	VX111025
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/10/25 15:48	VX111025
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/10/25 15:48	VX111025
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/10/25 15:48	VX111025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/10/25 15:48	VX111025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:48	VX111025
67-64-1	Acetone	4.50	J	1	1.50	5.00	ug/L	11/10/25 15:48	VX111025
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/10/25 15:48	VX111025
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:48	VX111025
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/10/25 15:48	VX111025
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/10/25 15:48	VX111025
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:48	VX111025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:48	VX111025
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/10/25 15:48	VX111025
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/10/25 15:48	VX111025
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/10/25 15:48	VX111025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/10/25 15:48	VX111025
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 15:48	VX111025
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/10/25 15:48	VX111025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:48	VX111025
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:48	VX111025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/10/25 15:48	VX111025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 15:48	VX111025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/10/25 15:48	VX111025
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:48	VX111025
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 15:48	VX111025
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/10/25 15:48	VX111025
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/10/25 15:48	VX111025
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/10/25 15:48	VX111025
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:48	VX111025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/10/25 15:48	VX111025
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/10/25 15:48	VX111025
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/10/25 15:48	VX111025
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/10/25 15:48	VX111025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:48	VX111025
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/10/25 15:48	VX111025
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/10/25 15:48	VX111025
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/10/25 15:48	VX111025
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/10/25 15:48	VX111025
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/10/25 15:48	VX111025
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/10/25 15:48	VX111025

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: SW-2
 Lab Sample ID: Q3584-02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/07/25
 SDG No.: Q3584
 Matrix: Water
 % Solid: 0
 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	11/10/25 15:48	VX111025
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/10/25 15:48	VX111025
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:48	VX111025
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/10/25 15:48	VX111025
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:48	VX111025
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/10/25 15:48	VX111025
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:48	VX111025
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:48	VX111025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.5			70 (74) - 130 (125)	111%	SPK: 50		
1868-53-7	Dibromofluoromethane	45.1			70 (75) - 130 (124)	90%	SPK: 50		
2037-26-5	Toluene-d8	48.3			70 (86) - 130 (113)	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.1			70 (77) - 130 (121)	112%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	181000							
540-36-3	1,4-Difluorobenzene	361000							
3114-55-4	Chlorobenzene-d5	362000							
3855-82-1	1,4-Dichlorobenzene-d4	196000							

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_X\Data\VX111025\
 Data File : VX048541.D
 Acq On : 10 Nov 2025 15:48
 Operator : JC/MD
 Sample : Q3584-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-2

Quant Time: Nov 11 00:48:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

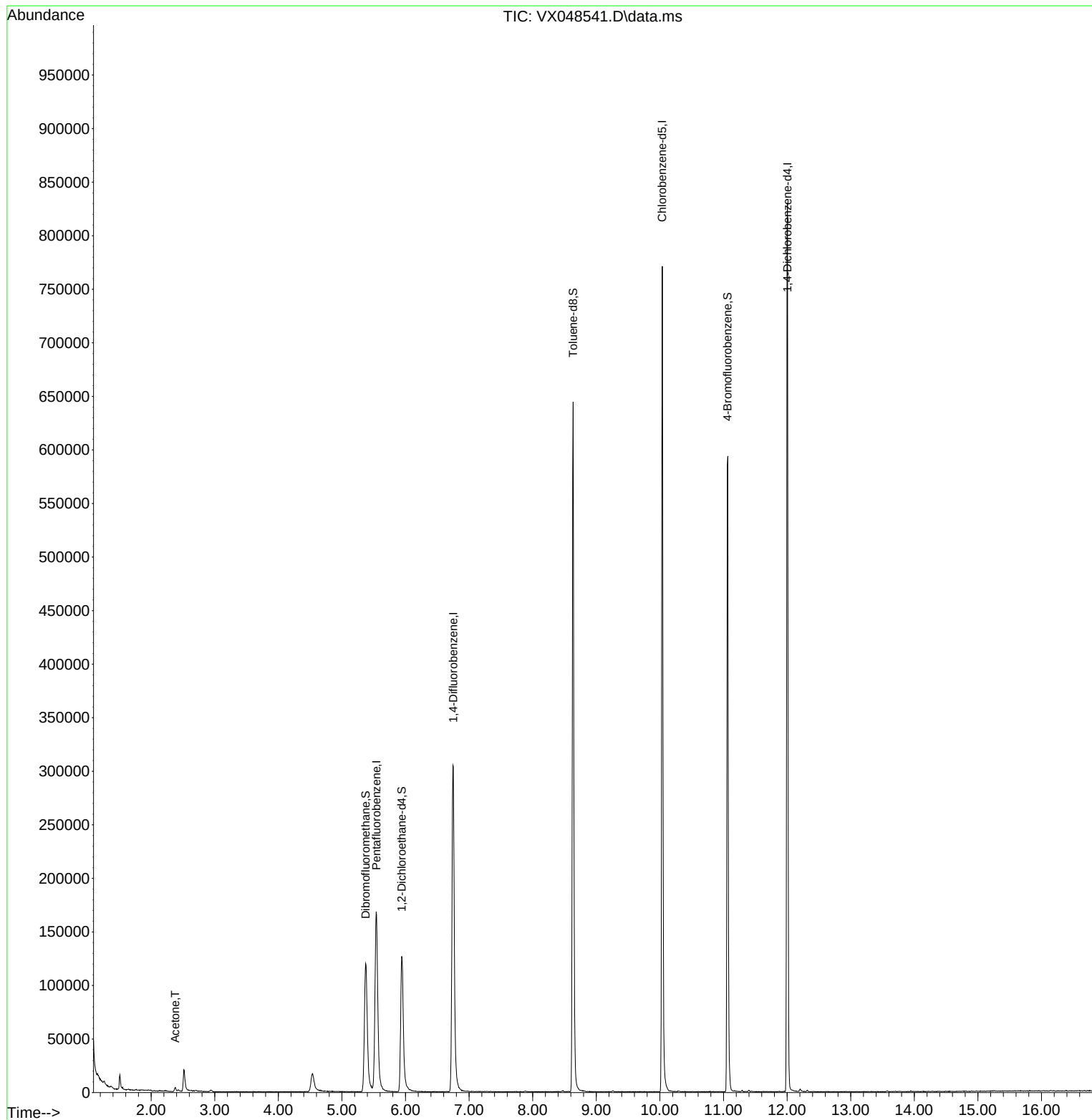
Internal Standards						
1) Pentafluorobenzene	5.544	168	180936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	361159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	362263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	195935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	139961	55.514	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.020%
35) Dibromofluoromethane	5.373	113	123372	45.134	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.260%
50) Toluene-d8	8.635	98	411539	48.273	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.540%
62) 4-Bromofluorobenzene	11.061	95	178249	56.105	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.200%
Target Compounds						
16) Acetone	2.380	43	5388	4.515	ug/l	Qvalue 93

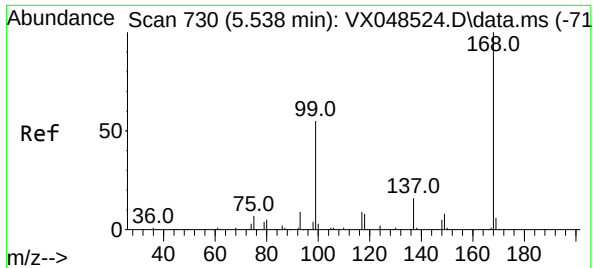
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048541.D
Acq On : 10 Nov 2025 15:48
Operator : JC/MD
Sample : Q3584-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-2

Quant Time: Nov 11 00:48:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

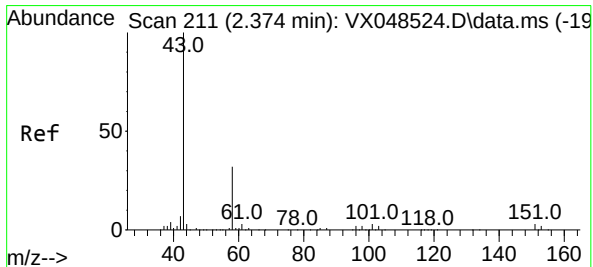
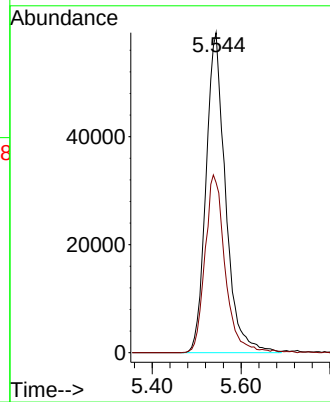
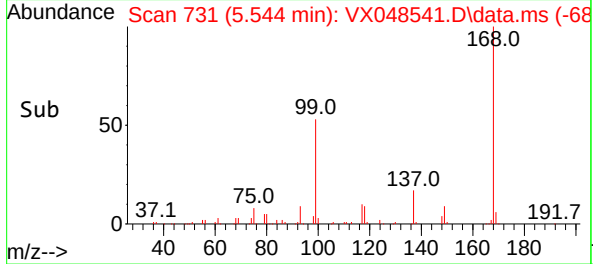
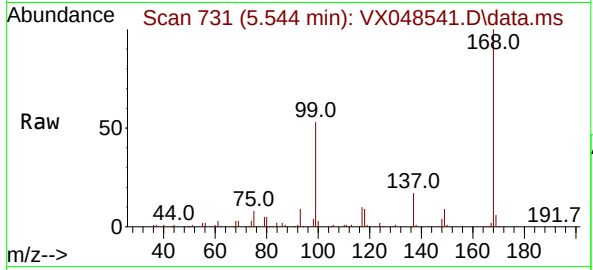




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

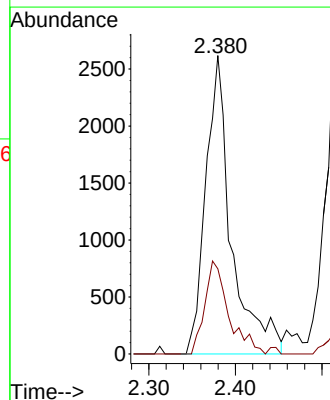
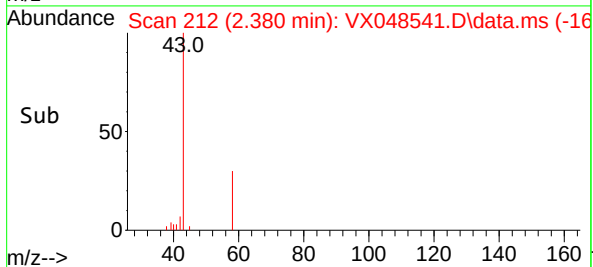
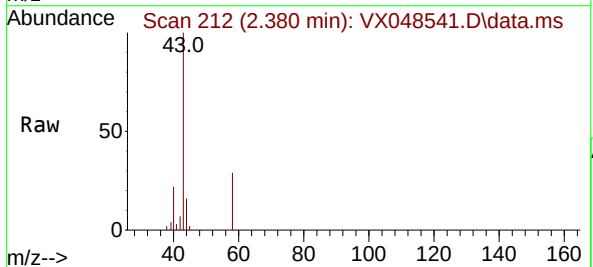
Instrument :
MSVOA_X
ClientSampleId :
SW-2

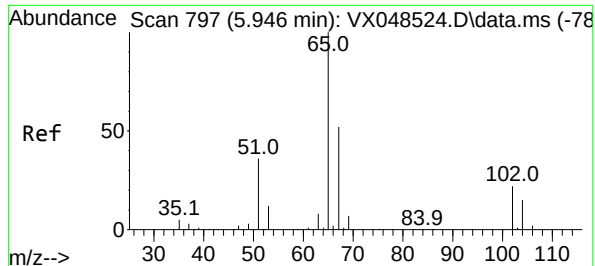
Tgt Ion:168 Resp: 180936
Ion Ratio Lower Upper
168 100
99 53.1 45.2 67.8



#16
Acetone
Concen: 4.515 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Tgt Ion: 43 Resp: 5388
Ion Ratio Lower Upper
43 100
58 28.5 25.8 38.6





#33

1,2-Dichloroethane-d4

Concen: 55.514 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048541.D

Acq: 10 Nov 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

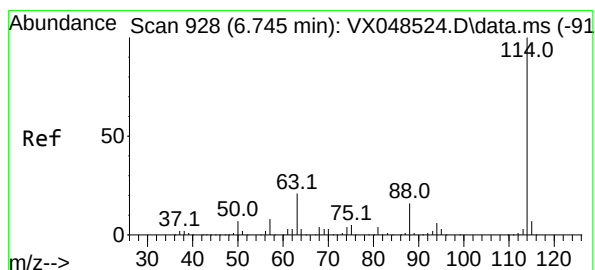
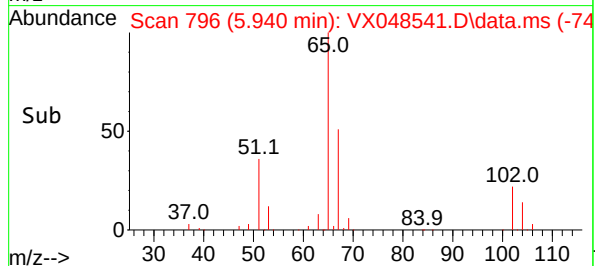
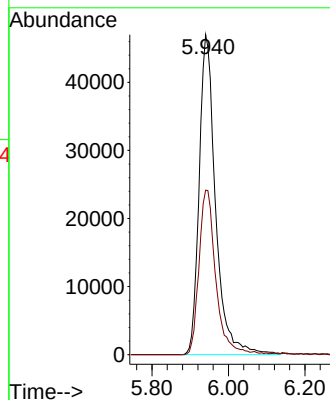
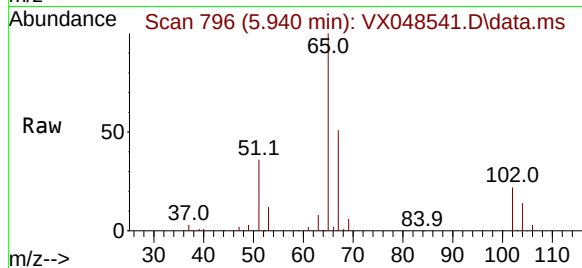
SW-2

Tgt Ion: 65 Resp: 139961

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048541.D

Acq: 10 Nov 2025 15:48

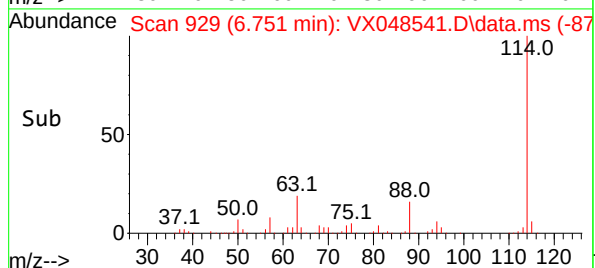
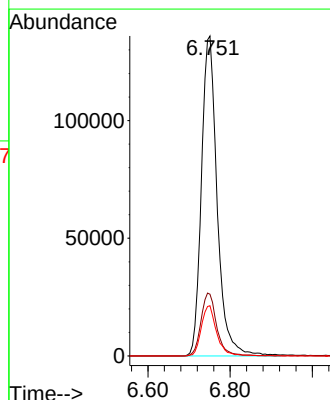
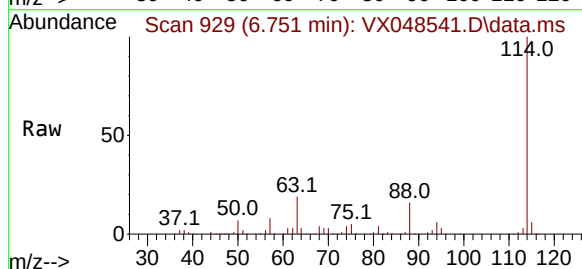
Tgt Ion: 114 Resp: 361159

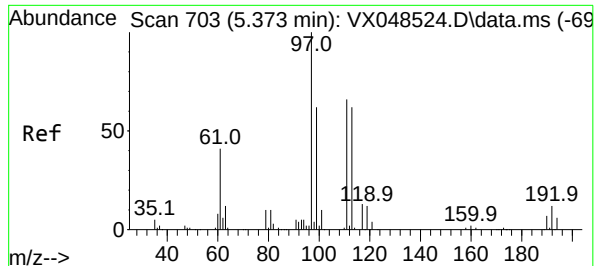
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.2

88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 45.134 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048541.D

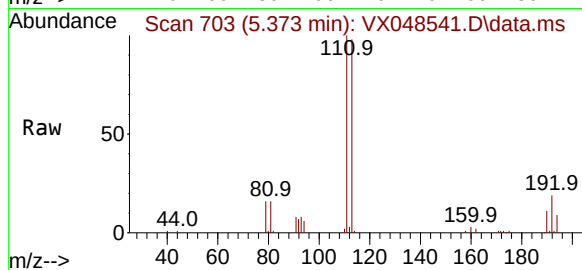
Acq: 10 Nov 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

SW-2



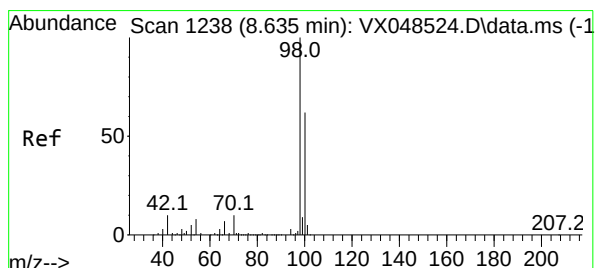
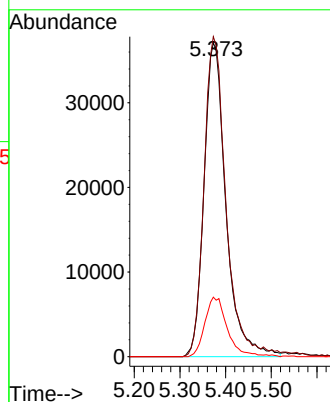
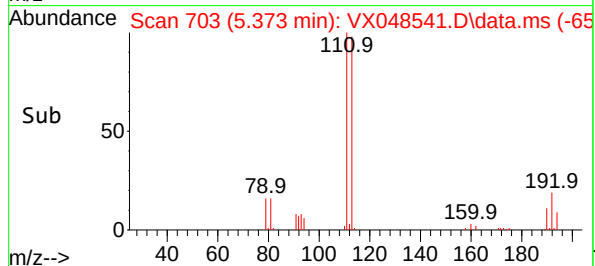
Tgt Ion:113 Resp: 123372

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 19.3 15.8 23.6



#50

Toluene-d8

Concen: 48.273 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048541.D

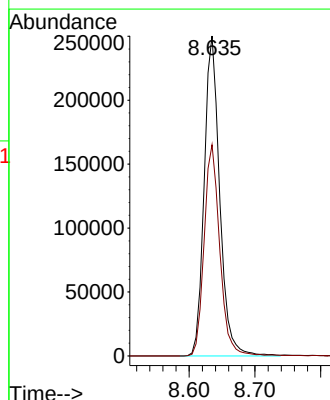
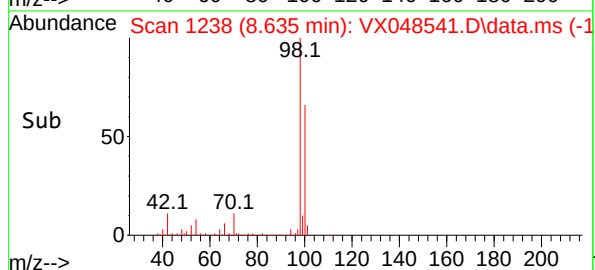
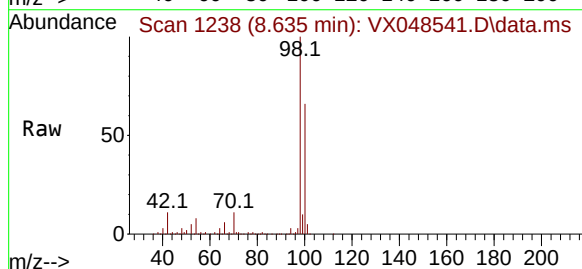
Acq: 10 Nov 2025 15:48

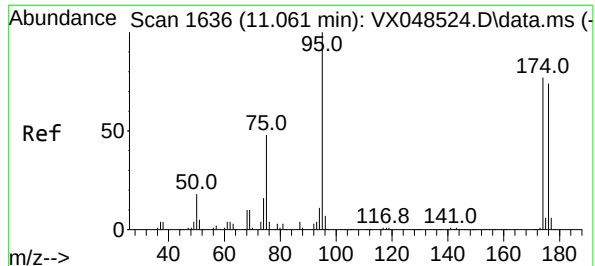
Tgt Ion: 98 Resp: 411539

Ion Ratio Lower Upper

98 100

100 66.6 53.6 80.4

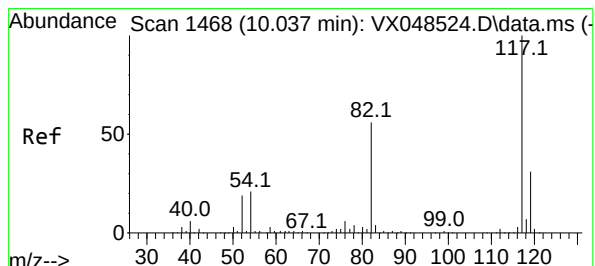
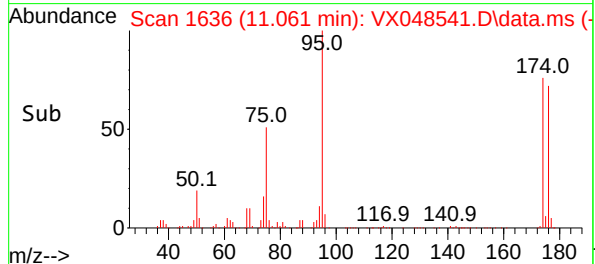
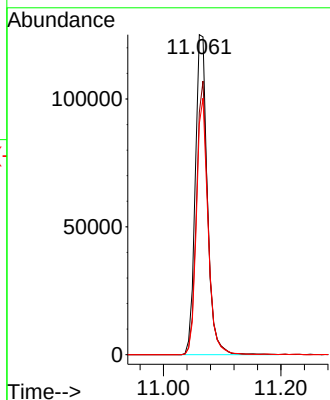
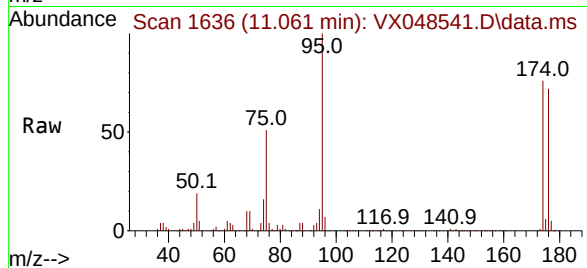




#62
4-Bromofluorobenzene
Concen: 56.105 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

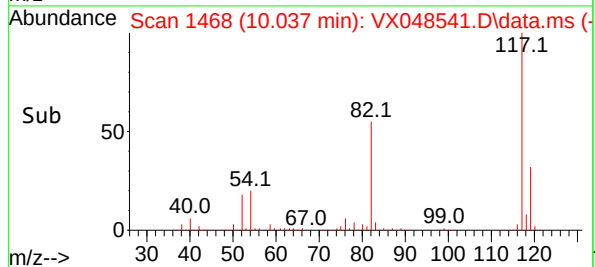
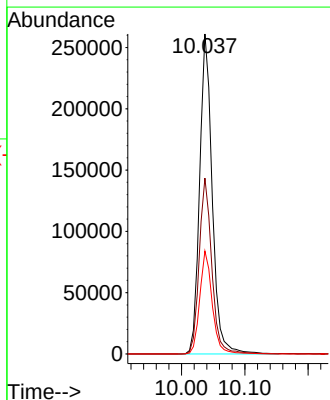
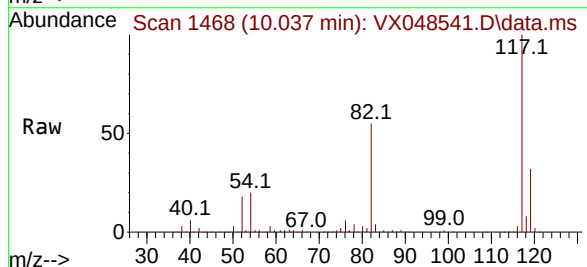
Instrument :
MSVOA_X
ClientSampleId :
SW-2

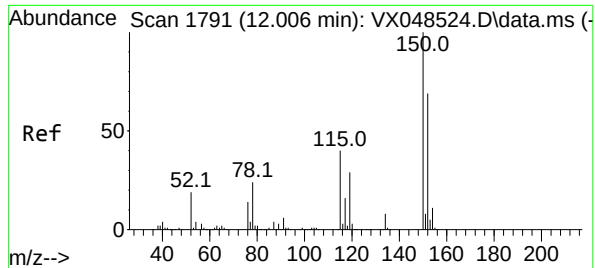
Tgt Ion: 95 Resp: 178249
Ion Ratio Lower Upper
95 100
174 81.9 0.0 161.8
176 77.1 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048541.D
Acq: 10 Nov 2025 15:48

Tgt Ion: 117 Resp: 362263
Ion Ratio Lower Upper
117 100
82 55.0 44.4 66.6
119 32.1 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048541.D

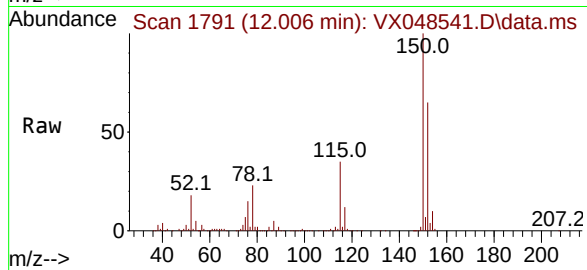
Acq: 10 Nov 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

SW-2



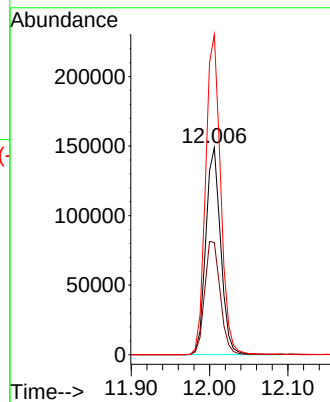
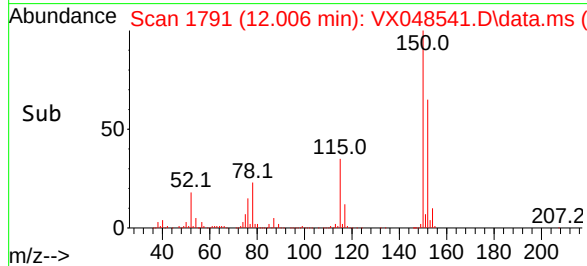
Tgt Ion:152 Resp: 195935

Ion Ratio Lower Upper

152 100

115 57.5 39.2 117.6

150 156.0 0.0 347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048541.D
Acq On : 10 Nov 2025 15:48
Operator : JC/MD
Sample : Q3584-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs : 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048541.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.508	62	69	75	rBV	13636	20074	1.77%	0.317%
2	2.514	228	234	244	rBV	20200	42253	3.72%	0.667%
3	4.538	553	566	580	rBV2	17051	65626	5.78%	1.036%
4	5.373	692	703	720	rBV2	119529	393424	34.66%	6.214%
5	5.538	720	730	744	rVV	164963	498493	43.92%	7.873%
6	5.940	787	796	816	rBV	126204	379877	33.47%	6.000%
7	6.745	917	928	952	rBV	304594	810569	71.41%	12.802%
8	8.635	1231	1238	1256	rBV	644038	1070927	94.35%	16.914%
9	10.037	1462	1468	1486	rBV	770752	1075535	94.75%	16.987%
10	11.067	1631	1637	1651	rBV	593281	839756	73.98%	13.263%
11	12.006	1785	1791	1803	rBV	829654	1135077	100.00%	17.927%

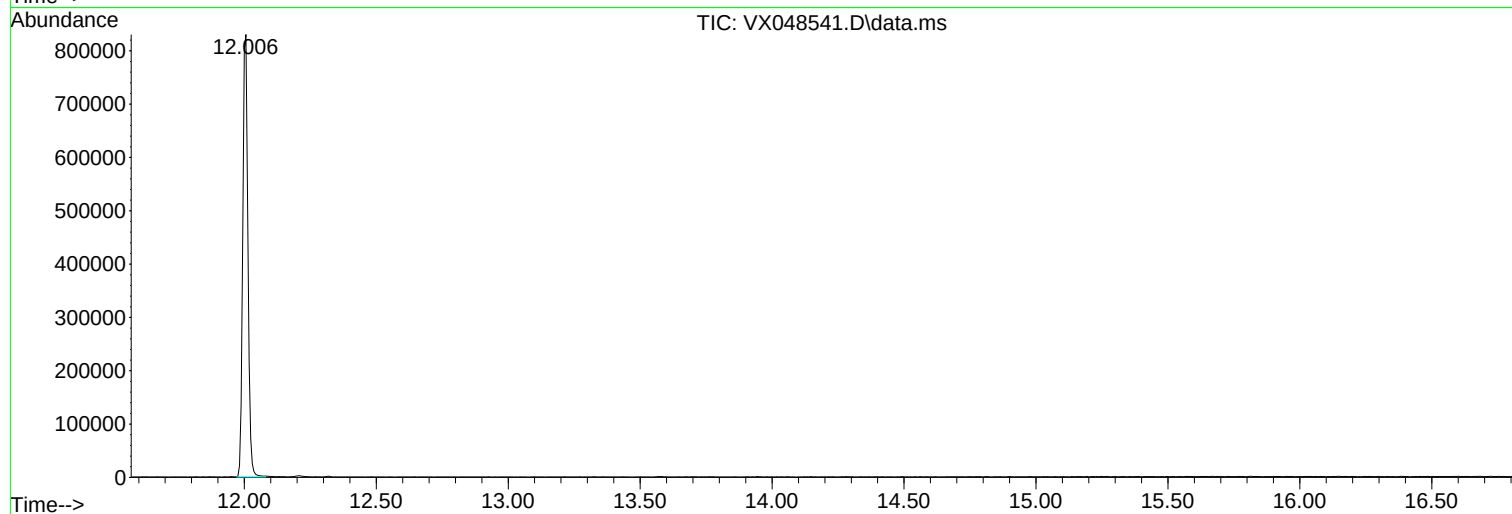
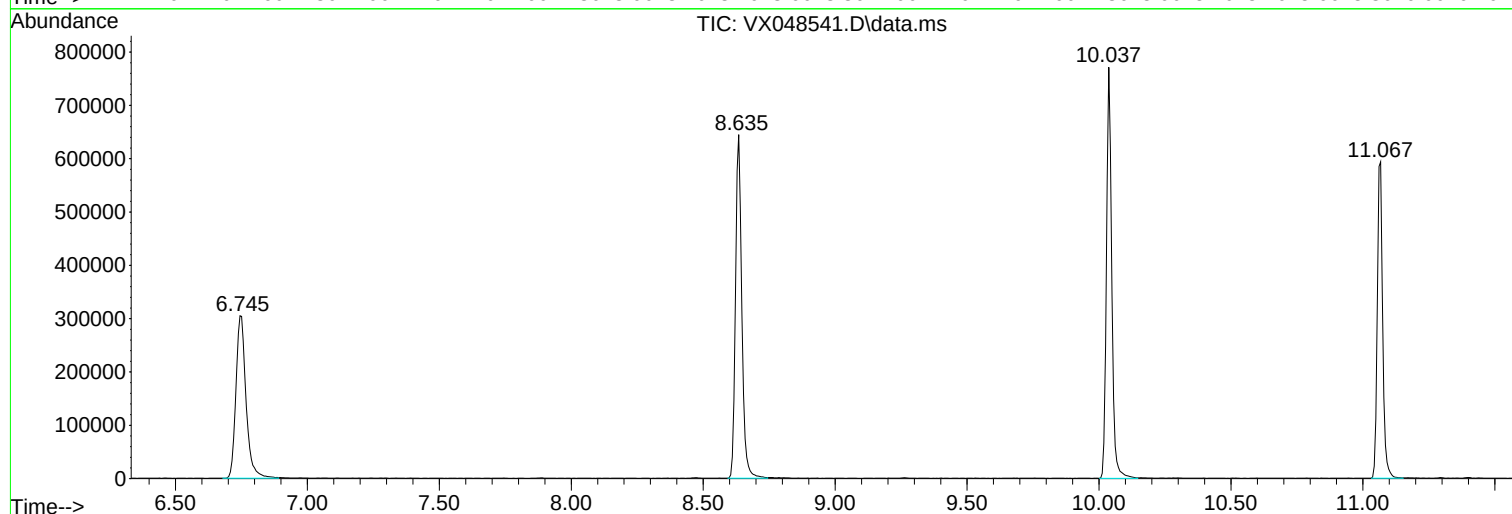
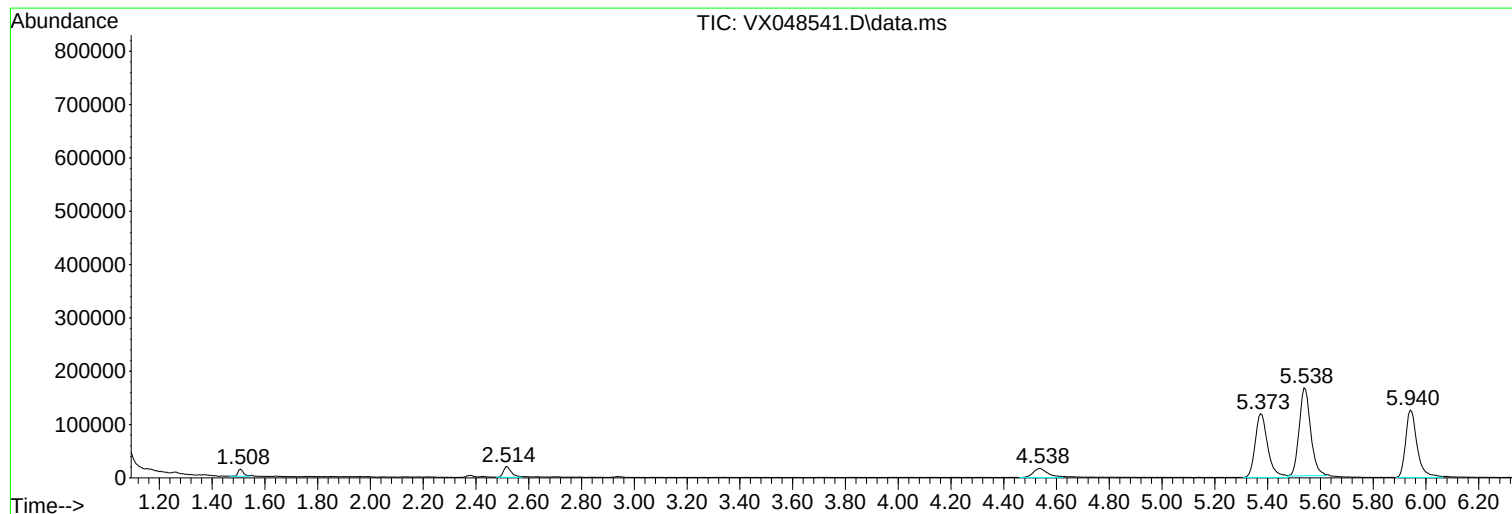
Sum of corrected areas: 6331611

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048541.D
Acq On : 10 Nov 2025 15:48
Operator : JC/MD
Sample : Q3584-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048541.D
Acq On : 10 Nov 2025 15:48
Operator : JC/MD
Sample : Q3584-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.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_X\Data\VX111025\
Data File : VX048541.D
Acq On : 10 Nov 2025 15:48
Operator : JC/MD
Sample : Q3584-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: SW-3
 Lab Sample ID: Q3584-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/07/25
 SDG No.: Q3584
 Matrix: Water
 % Solid: 0
 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	11/10/25 16:08	VX111025
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/10/25 16:08	VX111025
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/10/25 16:08	VX111025
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/10/25 16:08	VX111025
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/10/25 16:08	VX111025
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/10/25 16:08	VX111025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/10/25 16:08	VX111025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 16:08	VX111025
67-64-1	Acetone	3.90	J	1	1.50	5.00	ug/L	11/10/25 16:08	VX111025
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/10/25 16:08	VX111025
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/10/25 16:08	VX111025
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/10/25 16:08	VX111025
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/10/25 16:08	VX111025
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 16:08	VX111025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/10/25 16:08	VX111025
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/10/25 16:08	VX111025
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/10/25 16:08	VX111025
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/10/25 16:08	VX111025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/10/25 16:08	VX111025
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 16:08	VX111025
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/10/25 16:08	VX111025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/10/25 16:08	VX111025
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/10/25 16:08	VX111025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/10/25 16:08	VX111025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 16:08	VX111025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/10/25 16:08	VX111025
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/10/25 16:08	VX111025
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 16:08	VX111025
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/10/25 16:08	VX111025
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/10/25 16:08	VX111025
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/10/25 16:08	VX111025
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/10/25 16:08	VX111025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/10/25 16:08	VX111025
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/10/25 16:08	VX111025
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/10/25 16:08	VX111025
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/10/25 16:08	VX111025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 16:08	VX111025
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/10/25 16:08	VX111025
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/10/25 16:08	VX111025
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/10/25 16:08	VX111025
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/10/25 16:08	VX111025
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/10/25 16:08	VX111025
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/10/25 16:08	VX111025

Report of Analysis

Client: Remington & Vernick Engineers

Project: Edison Landfill

Client Sample ID: SW-3

Lab Sample ID: Q3584-03

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected: 11/07/25

Date Received: 11/07/25

SDG No.: Q3584

Matrix: Water

% Solid: 0

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	11/10/25 16:08	VX111025
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/10/25 16:08	VX111025
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 16:08	VX111025
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/10/25 16:08	VX111025
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 16:08	VX111025
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/10/25 16:08	VX111025
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 16:08	VX111025
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 16:08	VX111025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.4			70 (74) - 130 (125)	111%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.1			70 (75) - 130 (124)	92%	SPK: 50		
2037-26-5	Toluene-d8	51.3			70 (86) - 130 (113)	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.5			70 (77) - 130 (121)	119%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	181000							
540-36-3	1,4-Difluorobenzene	361000							
3114-55-4	Chlorobenzene-d5	386000							
3855-82-1	1,4-Dichlorobenzene-d4	205000							

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_X\Data\VX111025\
 Data File : VX048542.D
 Acq On : 10 Nov 2025 16:08
 Operator : JC/MD
 Sample : Q3584-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-3

Quant Time: Nov 11 00:48:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

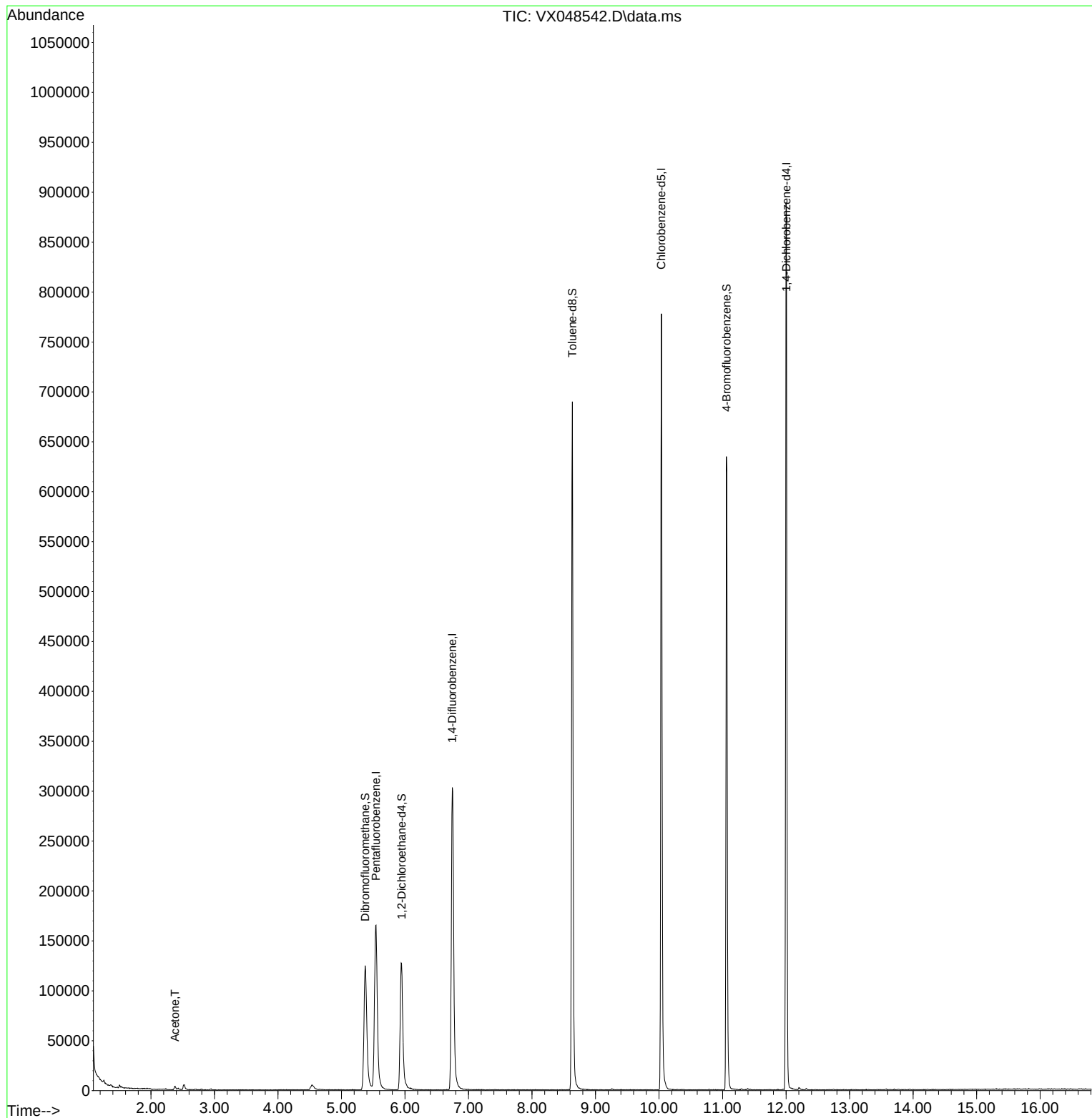
Internal Standards						
1) Pentafluorobenzene	5.544	168	181183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	361304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	386173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	204501	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	139812	55.379	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.760%
35) Dibromofluoromethane	5.373	113	126065	46.100	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.200%
50) Toluene-d8	8.635	98	437742	51.326	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.660%
62) 4-Bromofluorobenzene	11.061	95	188975	59.457	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.920%
Target Compounds						
16) Acetone	2.380	43	4639	3.882	ug/l	98

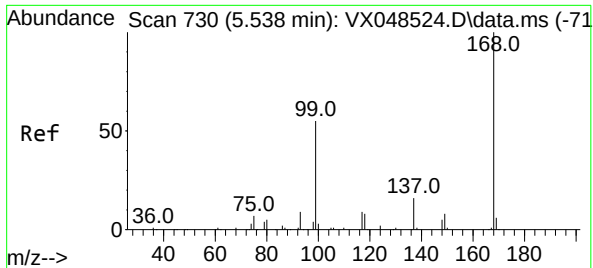
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048542.D
Acq On : 10 Nov 2025 16:08
Operator : JC/MD
Sample : Q3584-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-3

Quant Time: Nov 11 00:48:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

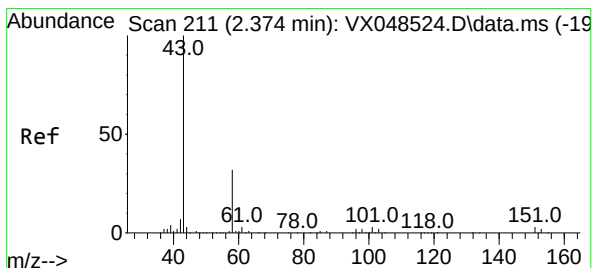
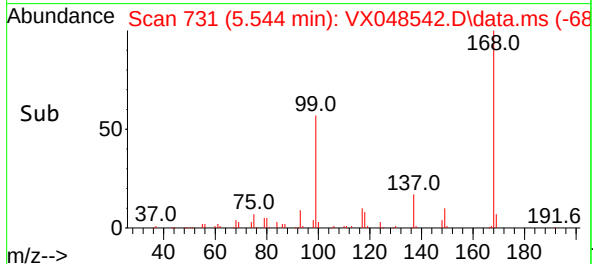
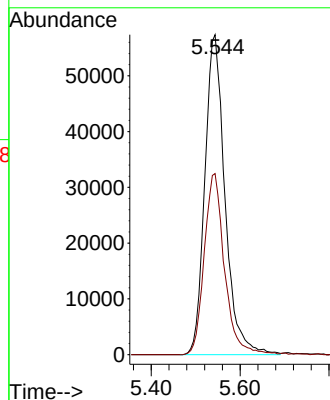
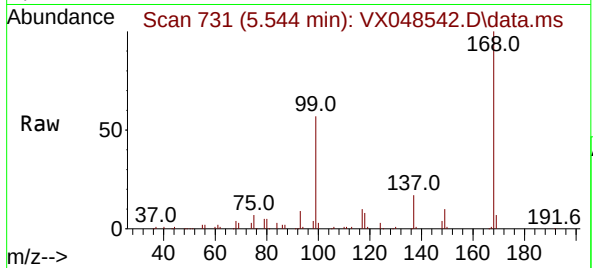




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048542.D
Acq: 10 Nov 2025 16:08

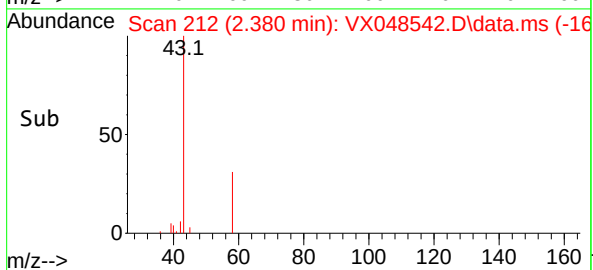
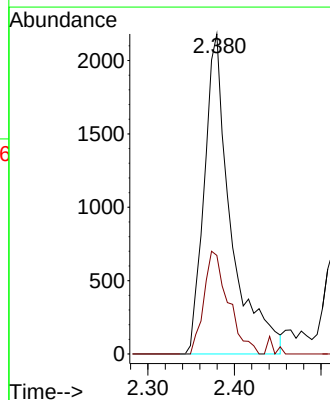
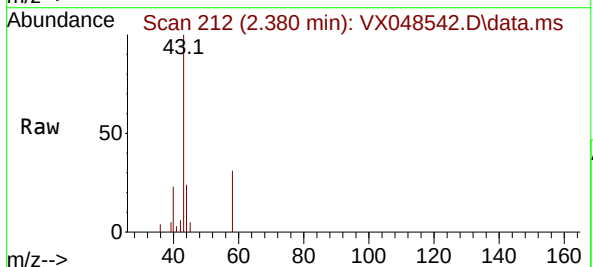
Instrument :
MSVOA_X
ClientSampleId :
SW-3

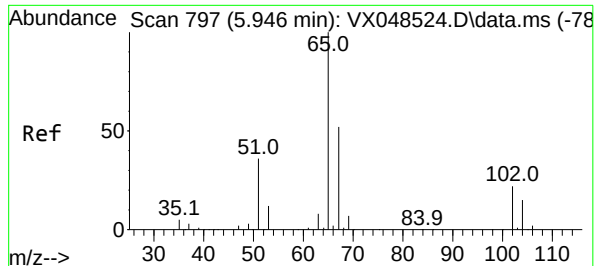
Tgt Ion:168 Resp: 181183
Ion Ratio Lower Upper
168 100
99 56.6 45.2 67.8



#16
Acetone
Concen: 3.882 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048542.D
Acq: 10 Nov 2025 16:08

Tgt Ion: 43 Resp: 4639
Ion Ratio Lower Upper
43 100
58 30.8 25.8 38.6





#33

1,2-Dichloroethane-d4

Concen: 55.379 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX048542.D

Acq: 10 Nov 2025 16:08

Instrument :

MSVOA_X

ClientSampleId :

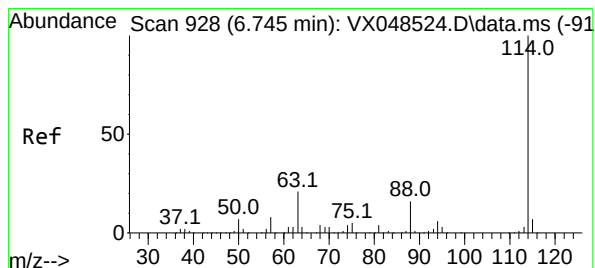
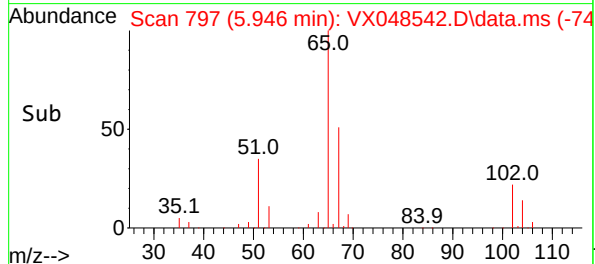
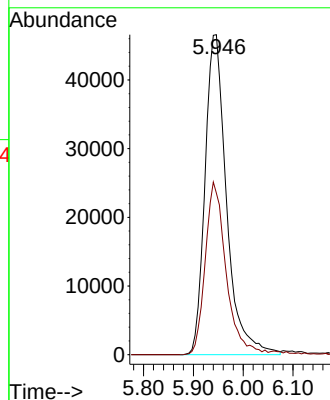
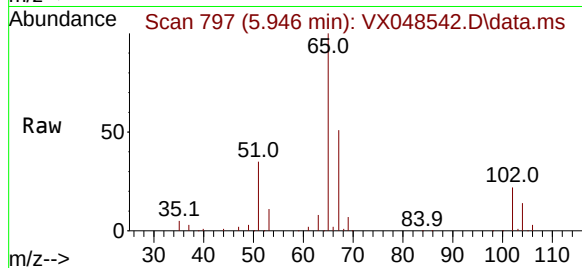
SW-3

Tgt Ion: 65 Resp: 139812

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048542.D

Acq: 10 Nov 2025 16:08

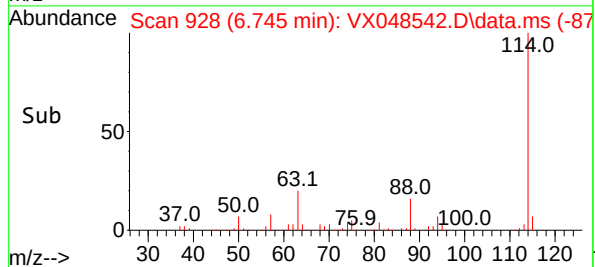
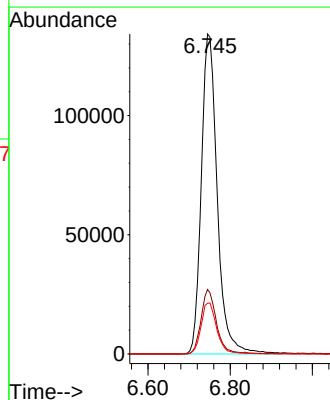
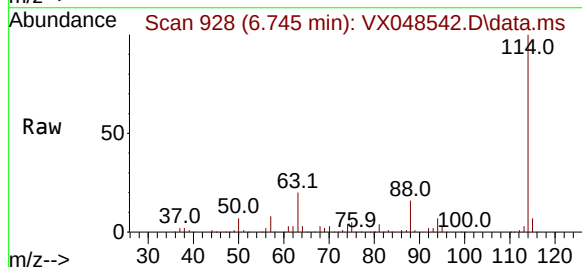
Tgt Ion: 114 Resp: 361304

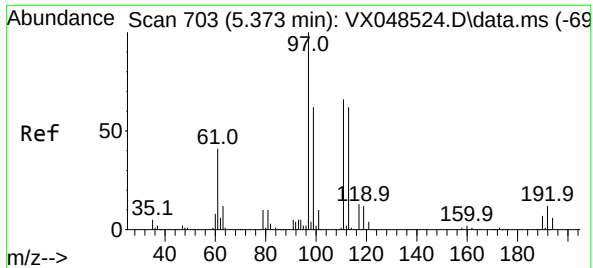
Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.2

88 15.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 46.100 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048542.D

Acq: 10 Nov 2025 16:08

Instrument :

MSVOA_X

ClientSampleId :

SW-3

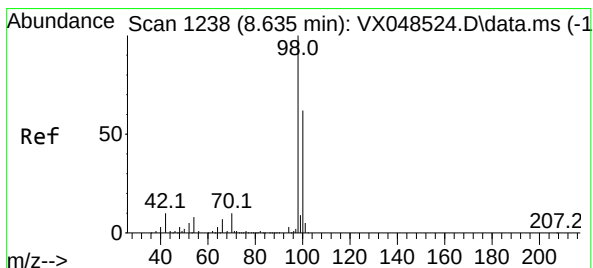
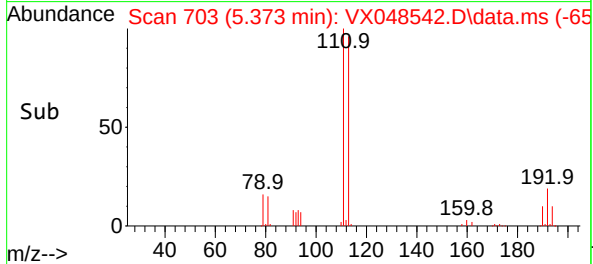
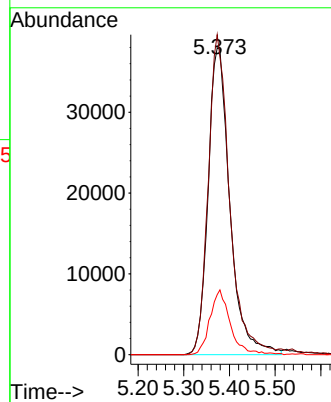
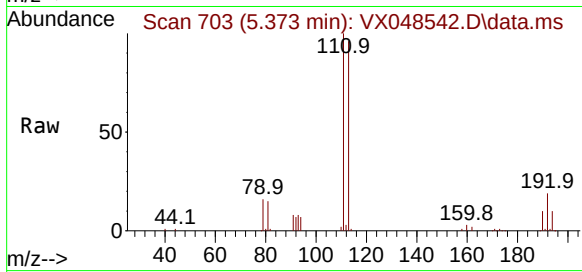
Tgt Ion:113 Resp: 126065

Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 19.8 15.8 23.6



#50

Toluene-d8

Concen: 51.326 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048542.D

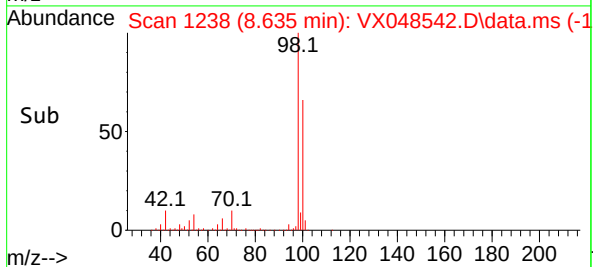
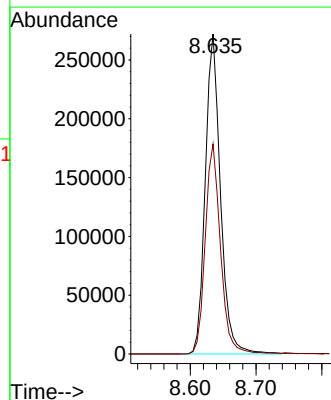
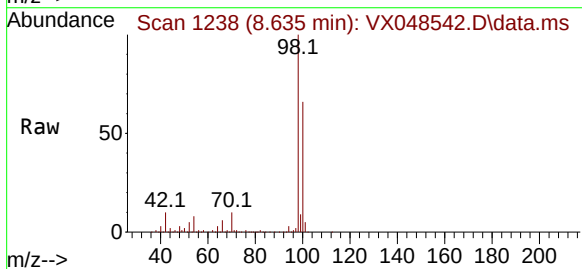
Acq: 10 Nov 2025 16:08

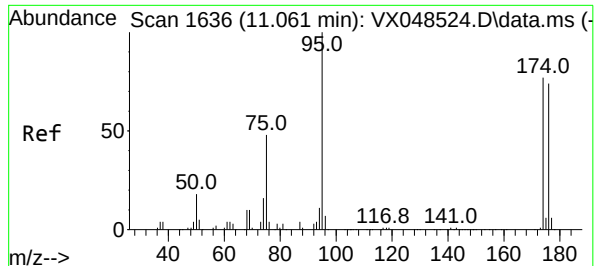
Tgt Ion: 98 Resp: 437742

Ion Ratio Lower Upper

98 100

100 66.0 53.6 80.4

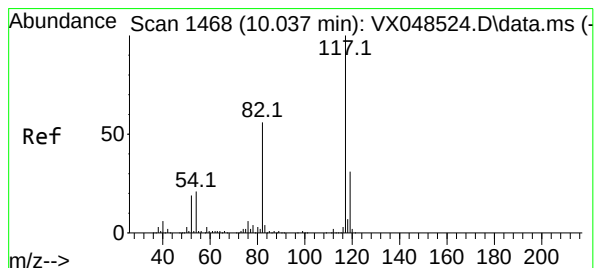
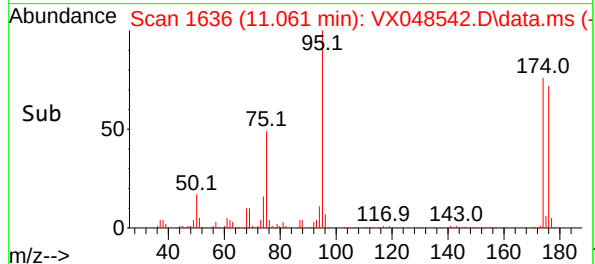
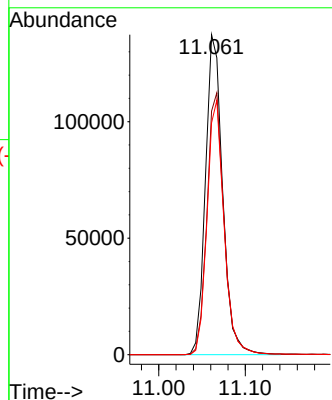
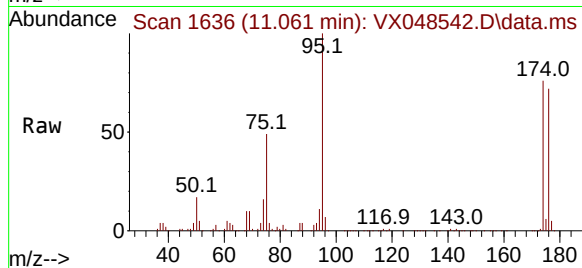




#62
4-Bromofluorobenzene
Concen: 59.457 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048542.D
Acq: 10 Nov 2025 16:08

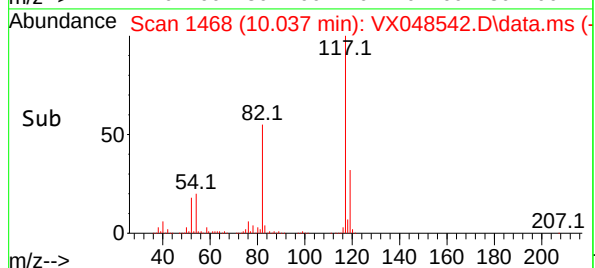
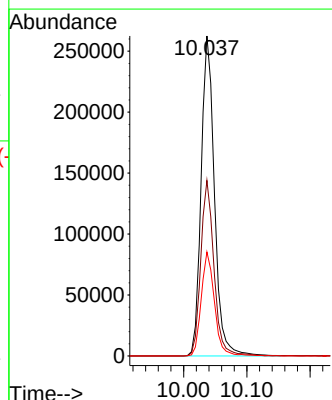
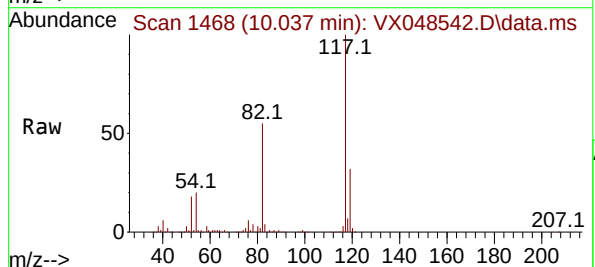
Instrument :
MSVOA_X
ClientSampleId :
SW-3

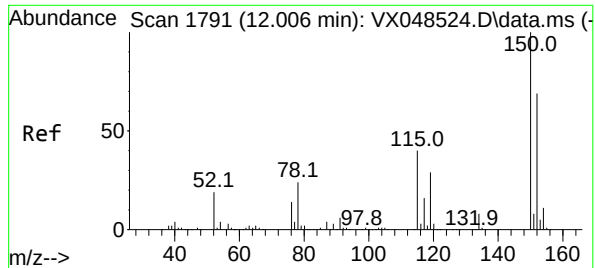
Tgt Ion: 95 Resp: 188975
Ion Ratio Lower Upper
95 100
174 81.7 0.0 161.8
176 79.1 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048542.D
Acq: 10 Nov 2025 16:08

Tgt Ion: 117 Resp: 386173
Ion Ratio Lower Upper
117 100
82 54.9 44.4 66.6
119 32.5 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048542.D

Acq: 10 Nov 2025 16:08

Instrument :

MSVOA_X

ClientSampleId :

SW-3

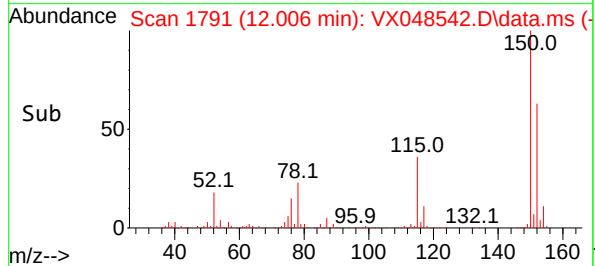
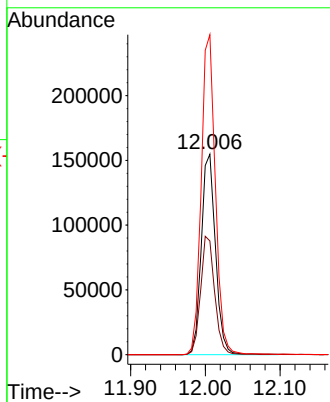
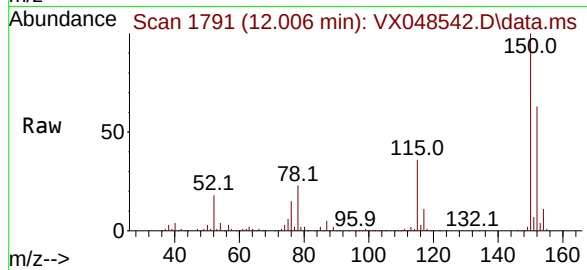
Tgt Ion:152 Resp: 204501

Ion Ratio Lower Upper

152 100

115 58.6 39.2 117.6

150 158.8 0.0 347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048542.D
Acq On : 10 Nov 2025 16:08
Operator : JC/MD
Sample : Q3584-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-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_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048542.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.538	556	566	575	rBV2	4965	17408	1.45%	0.268%
2	5.373	692	703	720	rBV2	124289	400455	33.46%	6.176%
3	5.544	720	731	747	rVB	162785	508509	42.48%	7.842%
4	5.940	785	796	819	rBV	127338	386023	32.25%	5.953%
5	6.745	919	928	951	rBV	302898	812002	67.84%	12.523%
6	8.635	1231	1238	1255	rBV	689407	1126932	94.15%	17.380%
7	10.037	1462	1468	1488	rBV	777291	1140084	95.25%	17.583%
8	11.061	1631	1636	1650	rBV	634462	895826	74.84%	13.816%
9	12.000	1785	1790	1802	rBV	888627	1196919	100.00%	18.459%

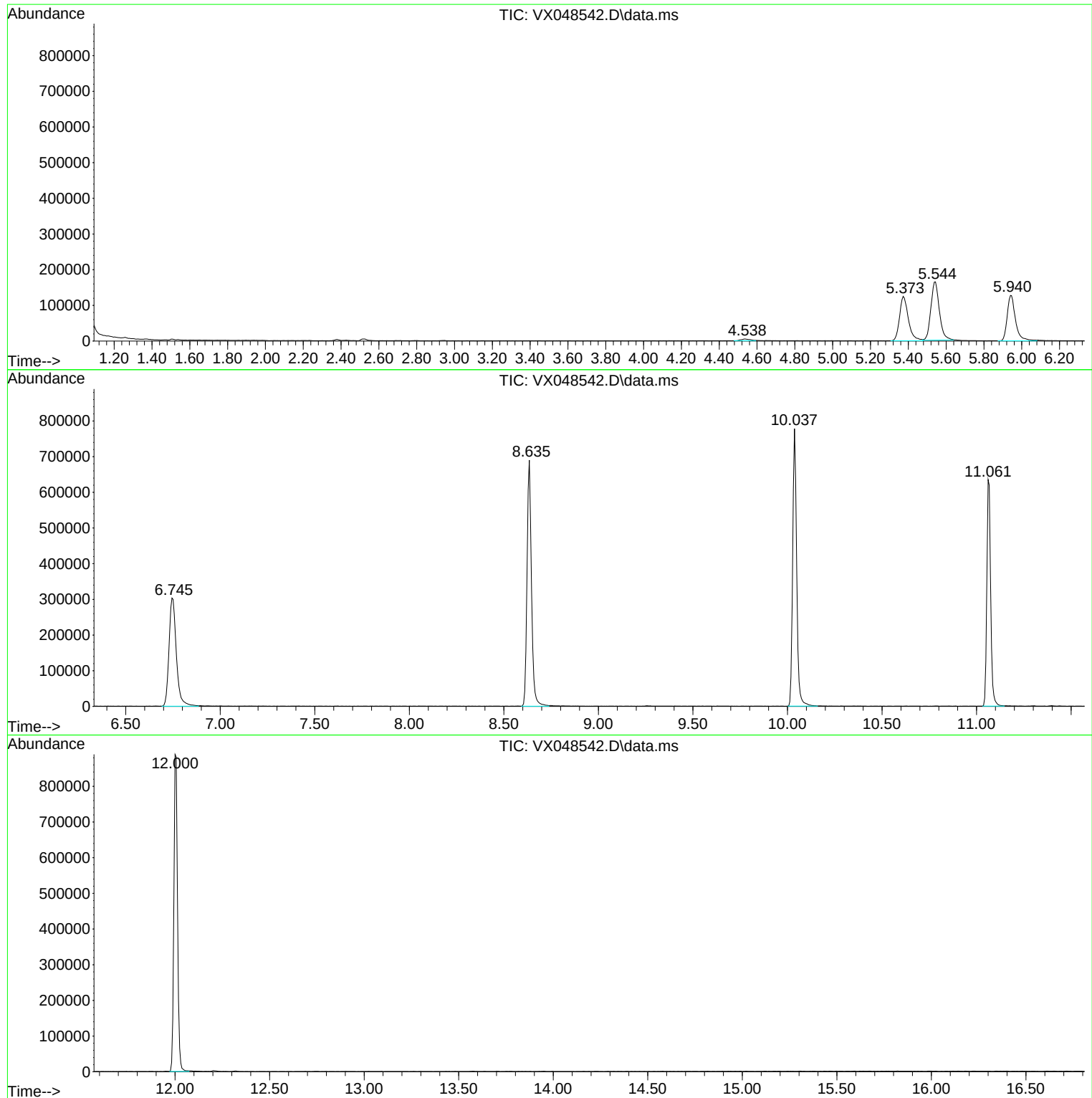
Sum of corrected areas: 6484158

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048542.D
Acq On : 10 Nov 2025 16:08
Operator : JC/MD
Sample : Q3584-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048542.D
Acq On : 10 Nov 2025 16:08
Operator : JC/MD
Sample : Q3584-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.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_X\Data\VX111025\
Data File : VX048542.D
Acq On : 10 Nov 2025 16:08
Operator : JC/MD
Sample : Q3584-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SW-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: EB-2
 Lab Sample ID: Q3584-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/06/25
 Date Received: 11/07/25
 SDG No.: Q3584
 Matrix: Water
 % Solid: 0
 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	11/11/25 11:43	VX111125
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/11/25 11:43	VX111125
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/11/25 11:43	VX111125
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/11/25 11:43	VX111125
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/11/25 11:43	VX111125
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/11/25 11:43	VX111125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/11/25 11:43	VX111125
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/11/25 11:43	VX111125
67-64-1	Acetone	8.20		1	1.50	5.00	ug/L	11/11/25 11:43	VX111125
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/11/25 11:43	VX111125
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/11/25 11:43	VX111125
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/11/25 11:43	VX111125
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/11/25 11:43	VX111125
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/11/25 11:43	VX111125
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/11/25 11:43	VX111125
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/11/25 11:43	VX111125
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/11/25 11:43	VX111125
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/11/25 11:43	VX111125
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/11/25 11:43	VX111125
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/11/25 11:43	VX111125
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/11/25 11:43	VX111125
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/11/25 11:43	VX111125
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/11/25 11:43	VX111125
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/11/25 11:43	VX111125
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/11/25 11:43	VX111125
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/11/25 11:43	VX111125
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/11/25 11:43	VX111125
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/11/25 11:43	VX111125
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/11/25 11:43	VX111125
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/11/25 11:43	VX111125
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/11/25 11:43	VX111125
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/11/25 11:43	VX111125
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/11/25 11:43	VX111125
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/11/25 11:43	VX111125
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/11/25 11:43	VX111125
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/11/25 11:43	VX111125
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/11/25 11:43	VX111125
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/11/25 11:43	VX111125
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/11/25 11:43	VX111125
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/11/25 11:43	VX111125
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/11/25 11:43	VX111125
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/11/25 11:43	VX111125
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/11/25 11:43	VX111125



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

Report of Analysis

Client: Remington & Vernick Engineers
Project: Edison Landfill
Client Sample ID: EB-2
Lab Sample ID: Q3584-04
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/06/25
Date Received: 11/07/25
SDG No.: Q3584
Matrix: Water
% Solid: 0
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	11/11/25 11:43	VX111125
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/11/25 11:43	VX111125
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/11/25 11:43	VX111125
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/11/25 11:43	VX111125
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/11/25 11:43	VX111125
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/11/25 11:43	VX111125
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/11/25 11:43	VX111125
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/11/25 11:43	VX111125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	56.7			70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1			70 (75) - 130 (124)	92%	SPK: 50
2037-26-5	Toluene-d8	51.4			70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.1			70 (77) - 130 (121)	120%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	180000
540-36-3	1,4-Difluorobenzene	362000
3114-55-4	Chlorobenzene-d5	387000
3855-82-1	1,4-Dichlorobenzene-d4	203000

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_X\Data\VX111125\
 Data File : VX048555.D
 Acq On : 11 Nov 2025 11:43
 Operator : JC/MD
 Sample : Q3584-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-2

Quant Time: Nov 12 04:44:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

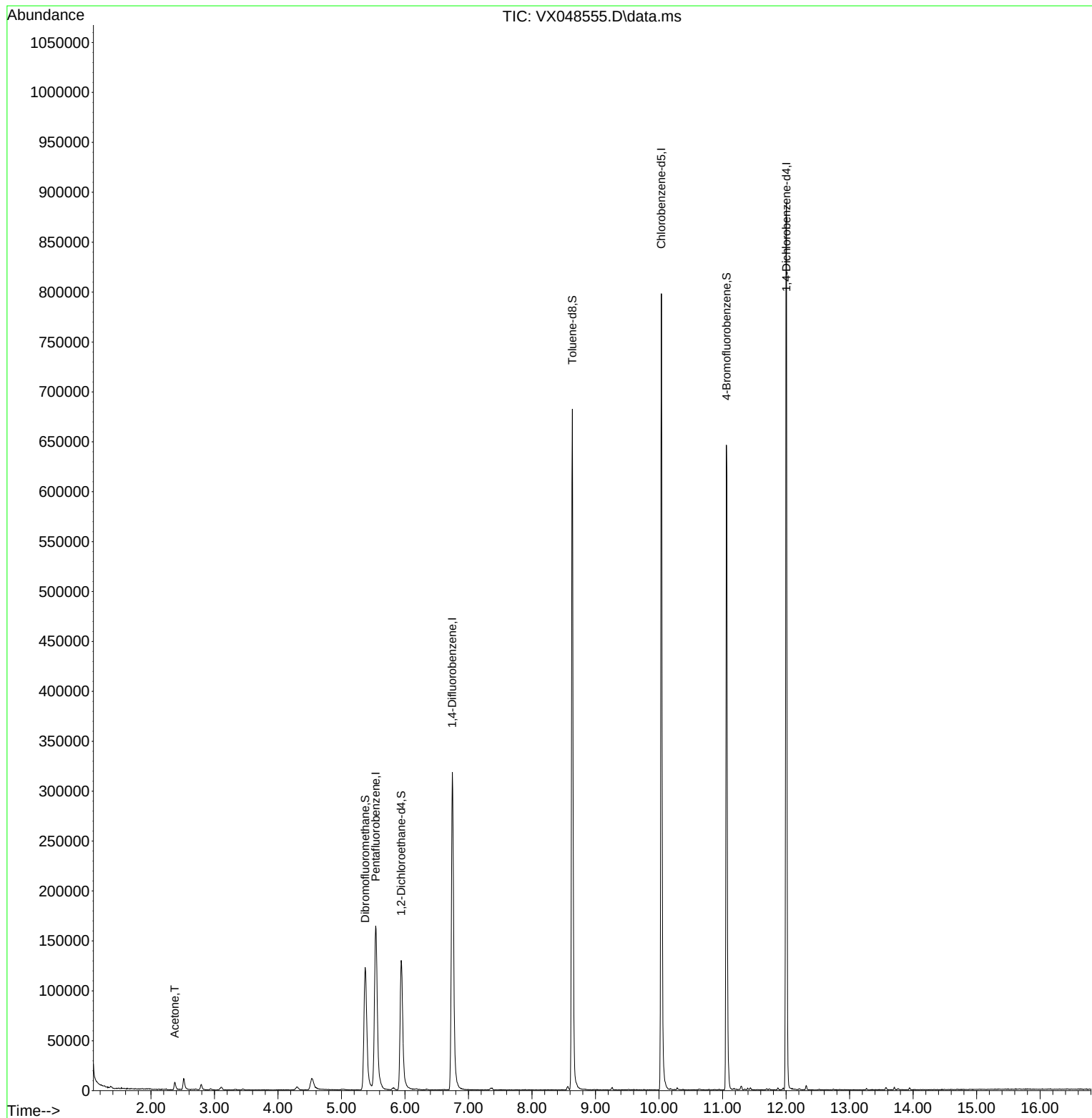
Internal Standards						
1) Pentafluorobenzene	5.538	168	180349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	362115	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	387054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	202689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	142446	56.683	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.360%
35) Dibromofluoromethane	5.373	113	126313	46.088	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.180%
50) Toluene-d8	8.635	98	439077	51.367	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.740%
62) 4-Bromofluorobenzene	11.061	95	191335	60.064	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	120.120%
Target Compounds						
16) Acetone	2.373	43	9784	8.225	ug/l	Qvalue 96

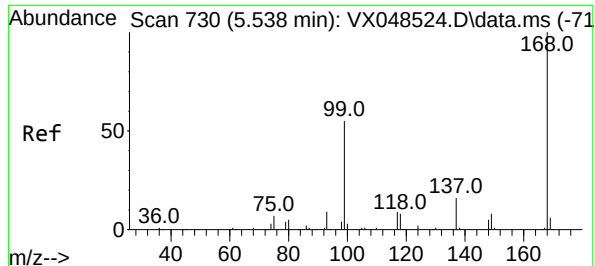
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048555.D
Acq On : 11 Nov 2025 11:43
Operator : JC/MD
Sample : Q3584-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB-2

Quant Time: Nov 12 04:44:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX048555.D

Acq: 11 Nov 2025 11:43

Instrument :

MSVOA_X

ClientSampleId :

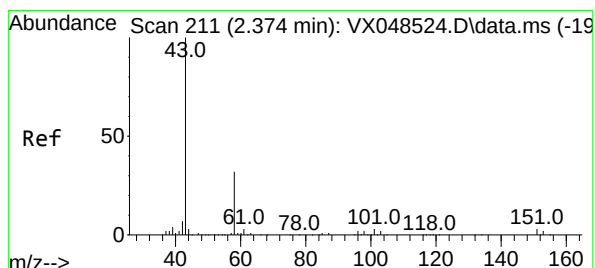
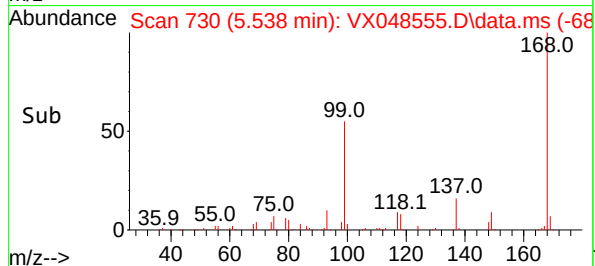
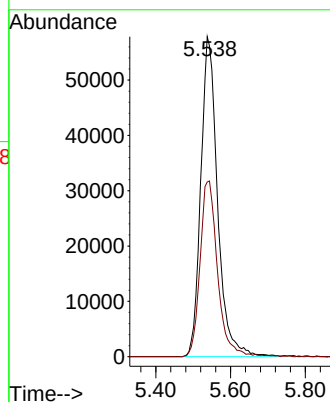
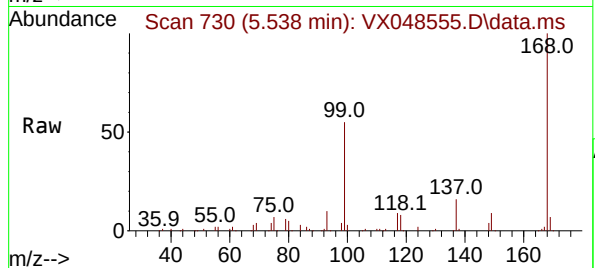
EB-2

Tgt Ion:168 Resp: 180349

Ion Ratio Lower Upper

168 100

99 54.6 45.2 67.8



#16

Acetone

Concen: 8.225 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048555.D

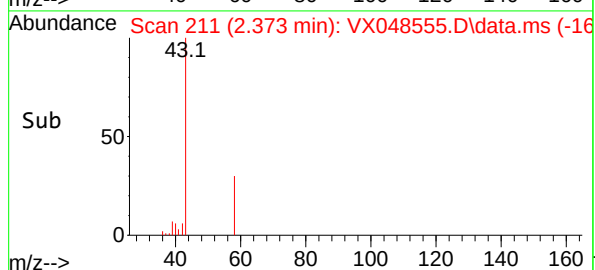
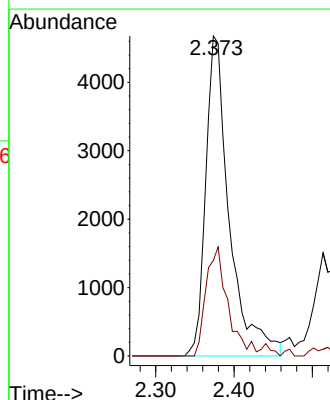
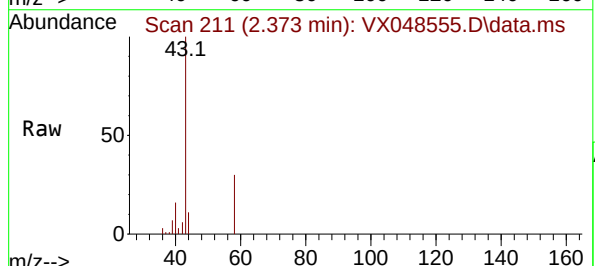
Acq: 11 Nov 2025 11:43

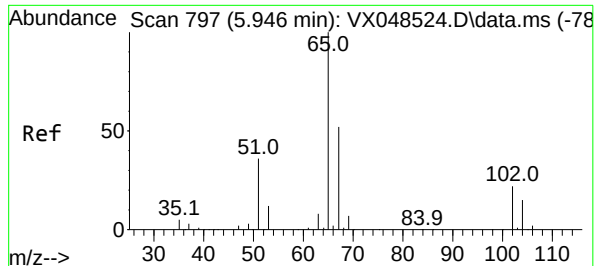
Tgt Ion: 43 Resp: 9784

Ion Ratio Lower Upper

43 100

58 29.9 25.8 38.6





#33

1,2-Dichloroethane-d4

Concen: 56.683 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048555.D

Acq: 11 Nov 2025 11:43

Instrument :

MSVOA_X

ClientSampleId :

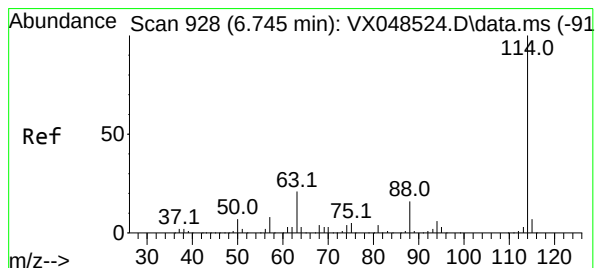
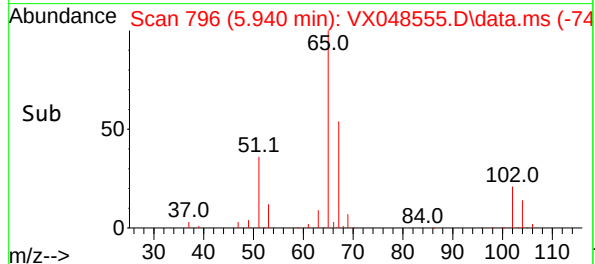
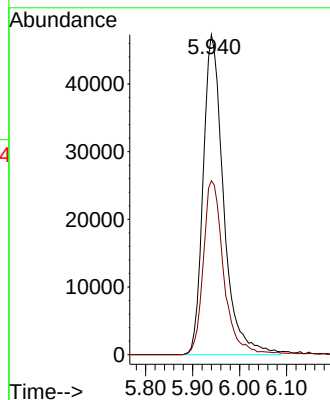
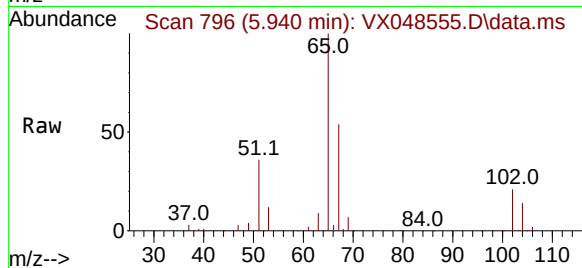
EB-2

Tgt Ion: 65 Resp: 142446

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048555.D

Acq: 11 Nov 2025 11:43

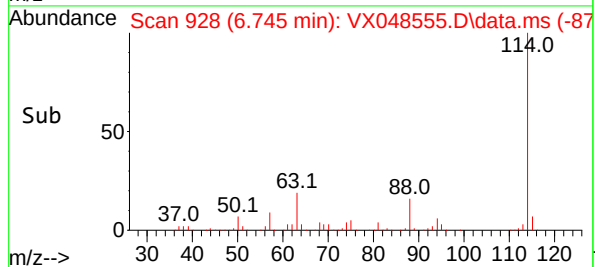
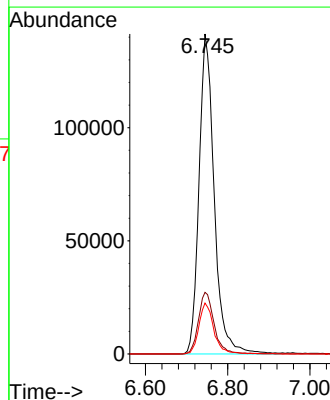
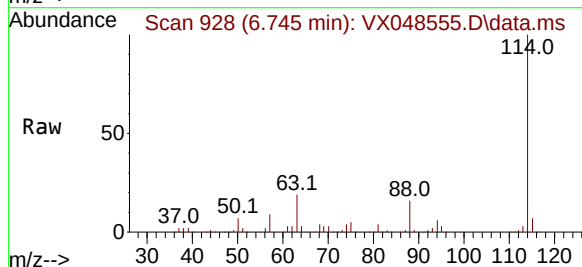
Tgt Ion: 114 Resp: 362115

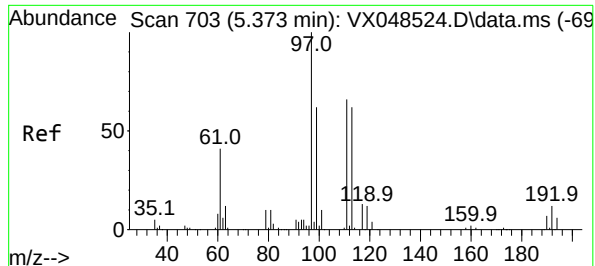
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.2

88 15.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 46.088 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048555.D

Acq: 11 Nov 2025 11:43

Instrument :

MSVOA_X

ClientSampleId :

EB-2

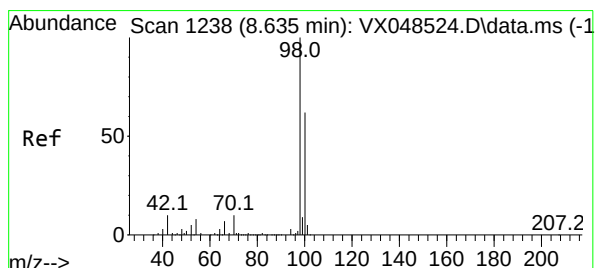
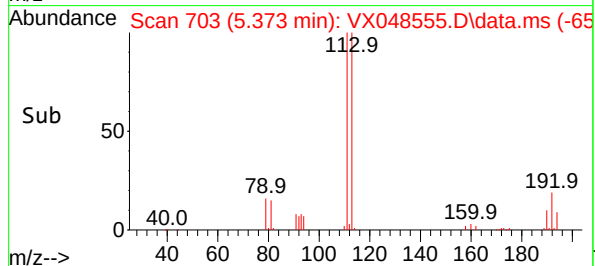
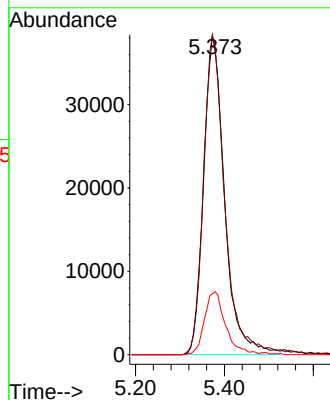
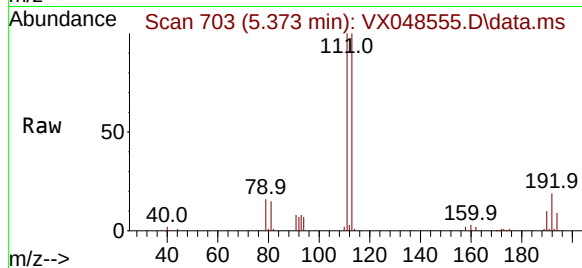
Tgt Ion:113 Resp: 126313

Ion Ratio Lower Upper

113 100

111 101.1 81.9 122.9

192 19.6 15.8 23.6



#50

Toluene-d8

Concen: 51.367 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048555.D

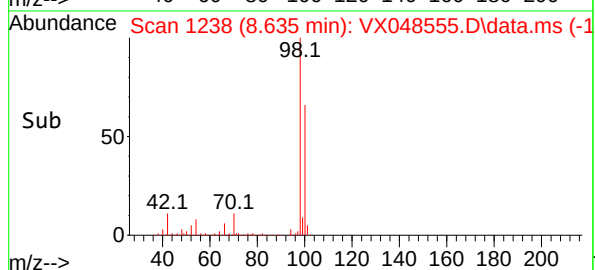
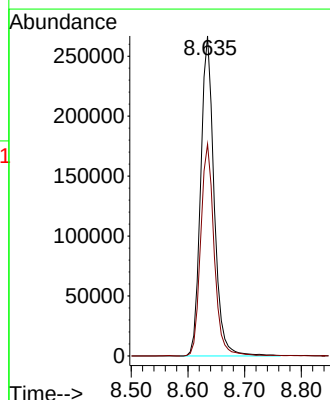
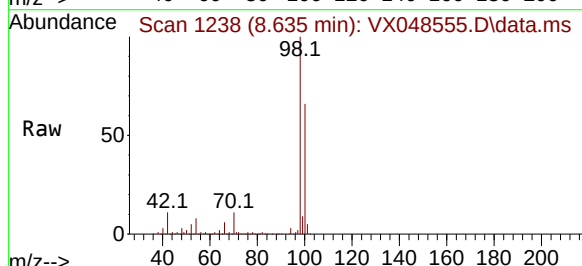
Acq: 11 Nov 2025 11:43

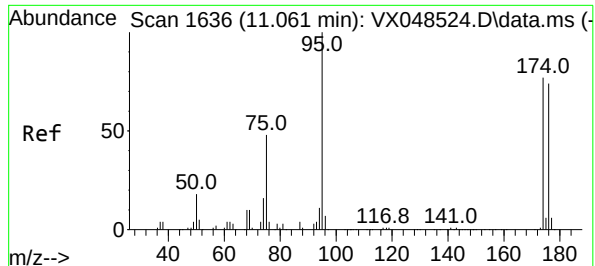
Tgt Ion: 98 Resp: 439077

Ion Ratio Lower Upper

98 100

100 66.3 53.6 80.4

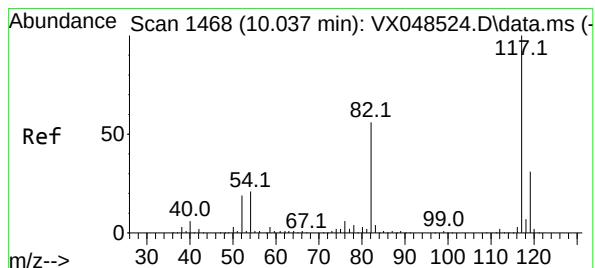
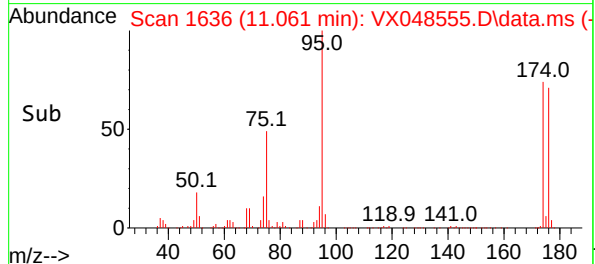
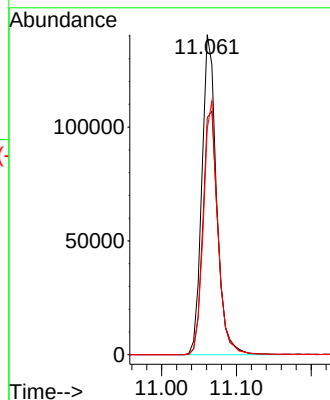
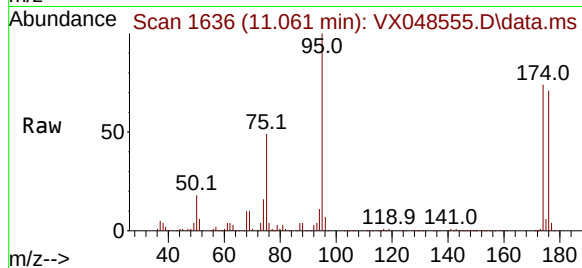




#62
4-Bromofluorobenzene
Concen: 60.064 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048555.D
Acq: 11 Nov 2025 11:43

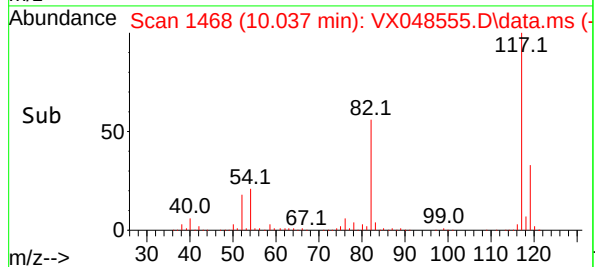
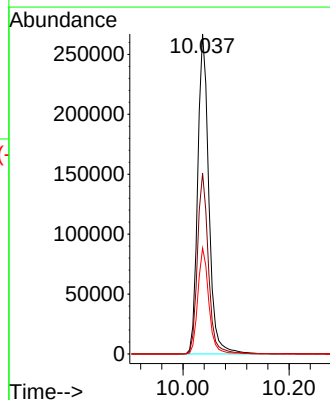
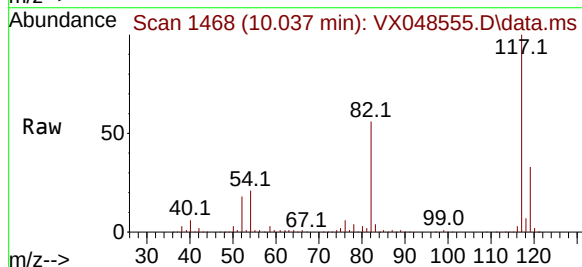
Instrument :
MSVOA_X
ClientSampleId :
EB-2

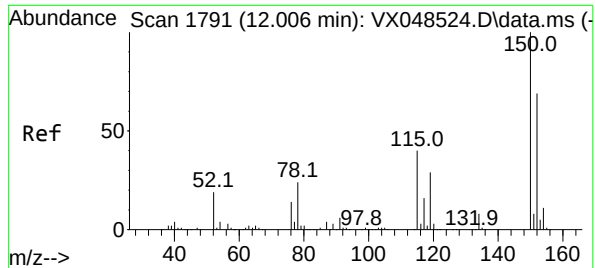
Tgt Ion: 95 Resp: 191335
Ion Ratio Lower Upper
95 100
174 79.0 0.0 161.8
176 77.7 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048555.D
Acq: 11 Nov 2025 11:43

Tgt Ion: 117 Resp: 387054
Ion Ratio Lower Upper
117 100
82 56.5 44.4 66.6
119 33.1 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048555.D

Acq: 11 Nov 2025 11:43

Instrument :

MSVOA_X

ClientSampleId :

EB-2

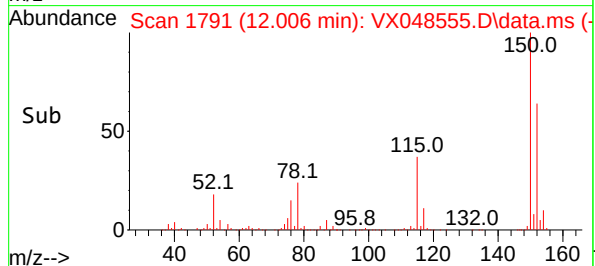
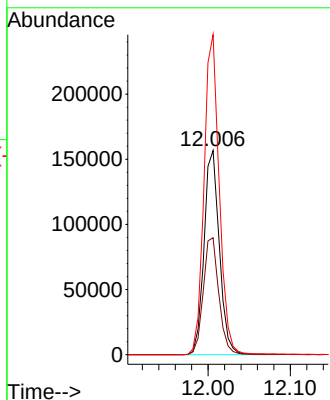
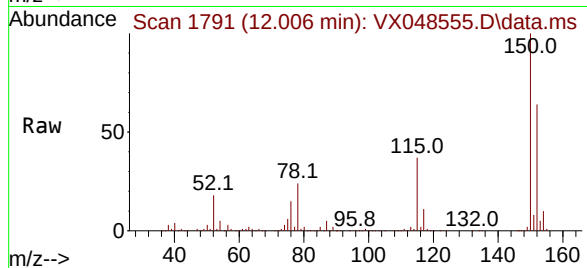
Tgt Ion:152 Resp: 202689

Ion Ratio Lower Upper

152 100

115 58.3 39.2 117.6

150 156.5 0.0 347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048555.D
Acq On : 11 Nov 2025 11:43
Operator : JC/MD
Sample : Q3584-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048555.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.373	205	211	218	rBV	7471	14267	1.20%	0.216%
2	2.514	228	234	243	rBV	10980	22475	1.90%	0.340%
3	4.532	556	565	578	rBV2	11269	42779	3.61%	0.647%
4	5.373	690	703	719	rBV2	122844	401334	33.85%	6.073%
5	5.538	720	730	755	rVB	163783	527237	44.47%	7.978%
6	5.940	786	796	822	rBV2	129941	397897	33.56%	6.021%
7	6.745	919	928	950	rBV	318155	820551	69.21%	12.417%
8	8.635	1231	1238	1258	rBV	681830	1142810	96.39%	17.293%
9	10.037	1462	1468	1486	rBV	797753	1154526	97.37%	17.471%
10	11.061	1631	1636	1650	rBV	645793	898810	75.81%	13.601%
11	12.006	1785	1791	1804	rBV	888491	1185664	100.00%	17.942%

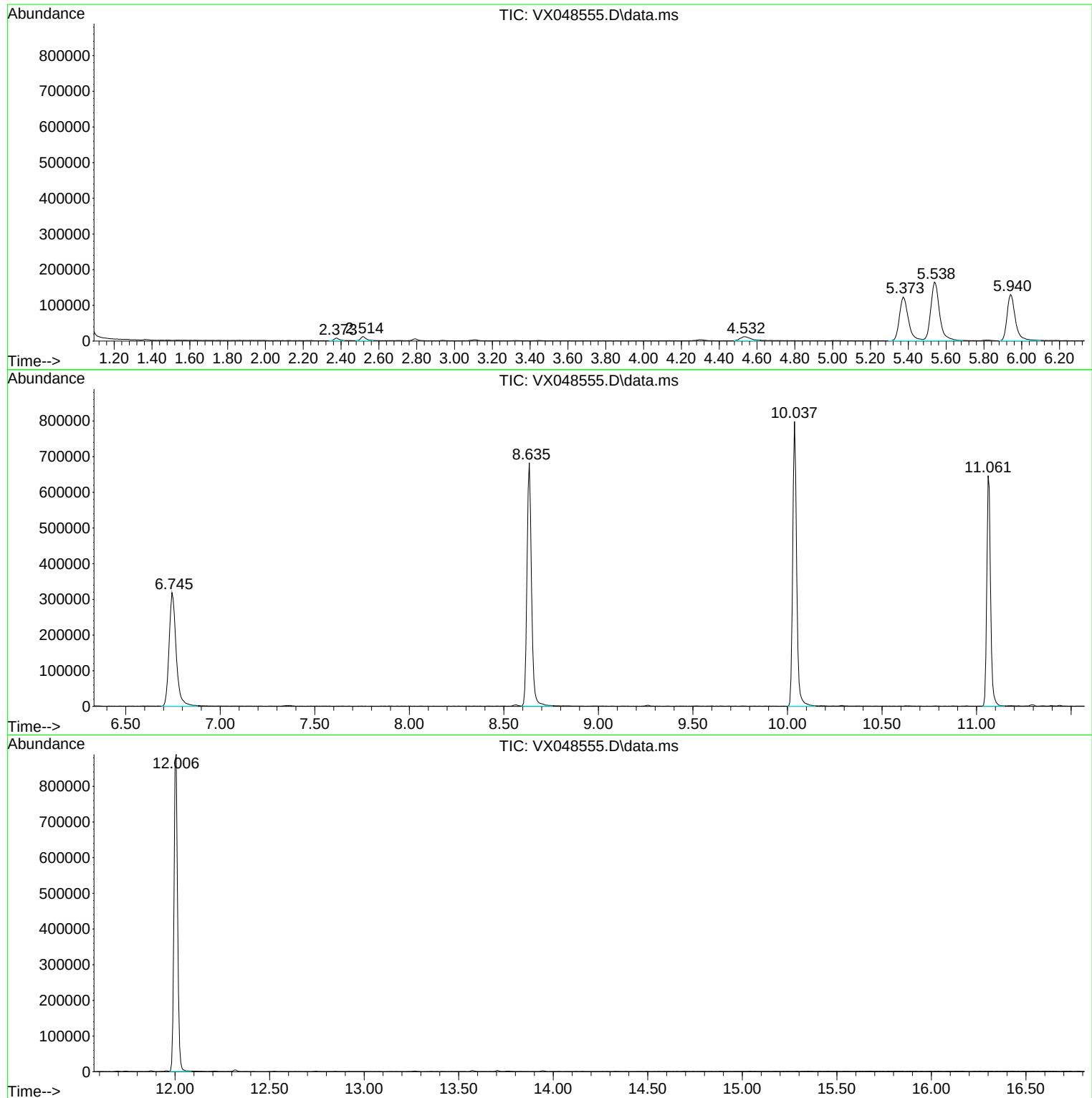
Sum of corrected areas: 6608350

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048555.D
Acq On : 11 Nov 2025 11:43
Operator : JC/MD
Sample : Q3584-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048555.D
Acq On : 11 Nov 2025 11:43
Operator : JC/MD
Sample : Q3584-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.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_X\Data\VX111125\
Data File : VX048555.D
Acq On : 11 Nov 2025 11:43
Operator : JC/MD
Sample : Q3584-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: FB-2
 Lab Sample ID: Q3584-05
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/07/25
 SDG No.: Q3584
 Matrix: Water
 % Solid: 0
 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	11/10/25 14:45	VX111025
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/10/25 14:45	VX111025
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/10/25 14:45	VX111025
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/10/25 14:45	VX111025
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/10/25 14:45	VX111025
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/10/25 14:45	VX111025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/10/25 14:45	VX111025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 14:45	VX111025
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/10/25 14:45	VX111025
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/10/25 14:45	VX111025
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/10/25 14:45	VX111025
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/10/25 14:45	VX111025
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/10/25 14:45	VX111025
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 14:45	VX111025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/10/25 14:45	VX111025
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/10/25 14:45	VX111025
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/10/25 14:45	VX111025
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/10/25 14:45	VX111025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/10/25 14:45	VX111025
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 14:45	VX111025
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/10/25 14:45	VX111025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/10/25 14:45	VX111025
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/10/25 14:45	VX111025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/10/25 14:45	VX111025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 14:45	VX111025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/10/25 14:45	VX111025
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/10/25 14:45	VX111025
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 14:45	VX111025
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/10/25 14:45	VX111025
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/10/25 14:45	VX111025
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/10/25 14:45	VX111025
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/10/25 14:45	VX111025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/10/25 14:45	VX111025
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/10/25 14:45	VX111025
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/10/25 14:45	VX111025
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/10/25 14:45	VX111025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 14:45	VX111025
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/10/25 14:45	VX111025
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/10/25 14:45	VX111025
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/10/25 14:45	VX111025
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/10/25 14:45	VX111025
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/10/25 14:45	VX111025
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/10/25 14:45	VX111025



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

Report of Analysis

Client: Remington & Vernick Engineers
Project: Edison Landfill
Client Sample ID: FB-2
Lab Sample ID: Q3584-05
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/07/25
Date Received: 11/07/25
SDG No.: Q3584
Matrix: Water
% Solid: 0
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	11/10/25 14:45	VX111025
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/10/25 14:45	VX111025
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 14:45	VX111025
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/10/25 14:45	VX111025
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 14:45	VX111025
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/10/25 14:45	VX111025
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 14:45	VX111025
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 14:45	VX111025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.5			70 (74) - 130 (125)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	59.4			70 (75) - 130 (124)	119%	SPK: 50		
2037-26-5	Toluene-d8	51.7			70 (86) - 130 (113)	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.9			70 (77) - 130 (121)	116%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	165000							
540-36-3	1,4-Difluorobenzene	254000							
3114-55-4	Chlorobenzene-d5	270000							
3855-82-1	1,4-Dichlorobenzene-d4	143000							

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_X\Data\VX111025\
 Data File : VX048538.D
 Acq On : 10 Nov 2025 14:45
 Operator : JC/MD
 Sample : Q3584-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-2

Quant Time: Nov 11 00:47:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	164671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	253875	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	142954	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	131909	57.488	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.980%
35) Dibromofluoromethane	5.373	113	114044	59.352	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	118.700%
50) Toluene-d8	8.634	98	309532	51.651	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.300%
62) 4-Bromofluorobenzene	11.061	95	129291	57.892	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.780%

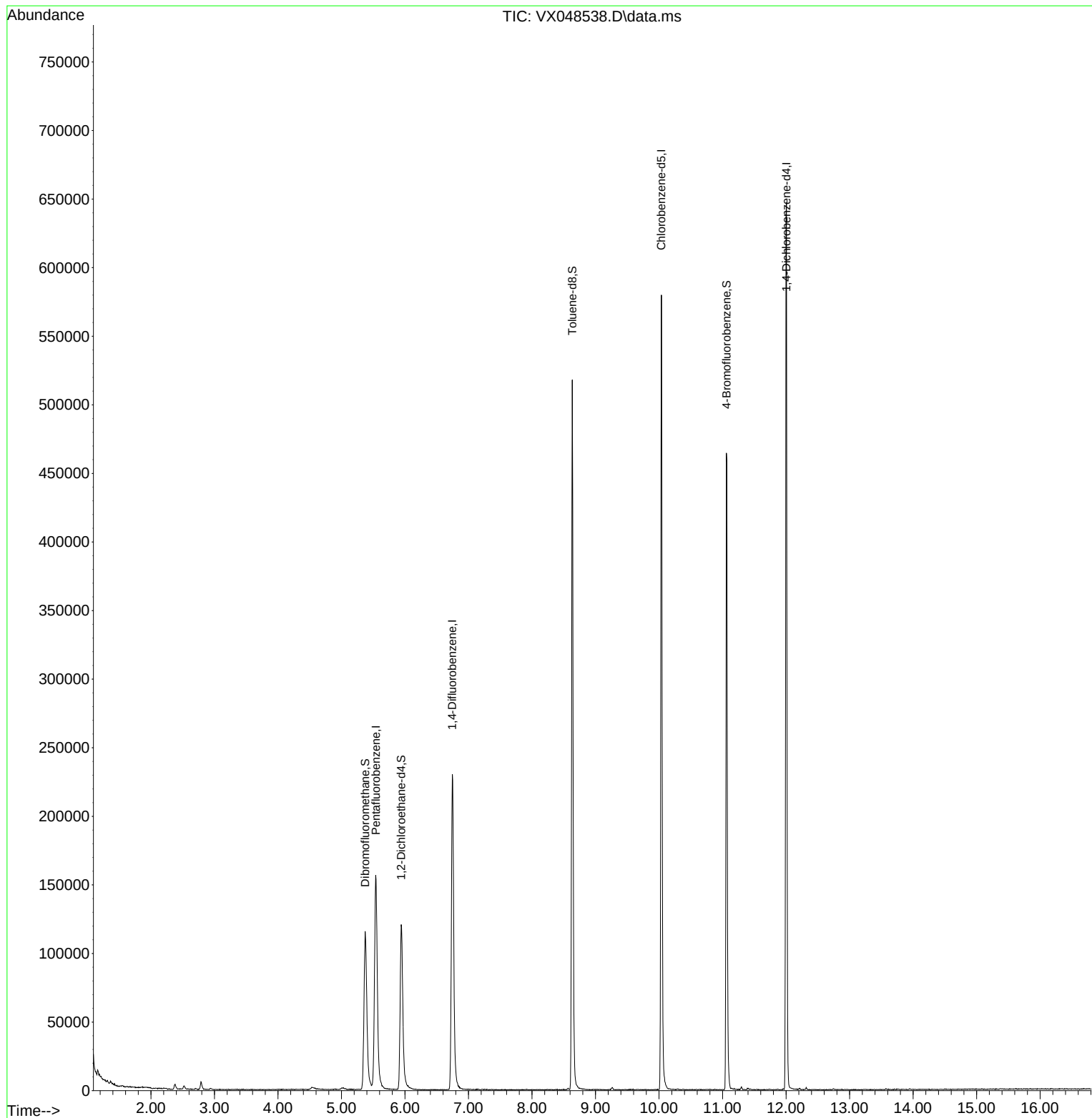
Target Compounds	Qvalue

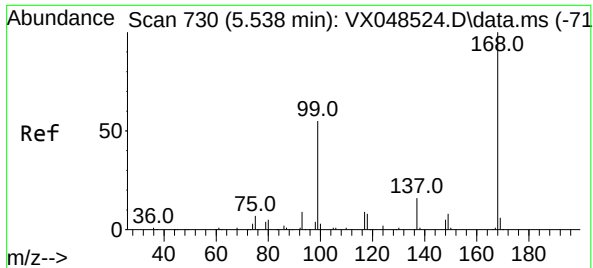
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048538.D
Acq On : 10 Nov 2025 14:45
Operator : JC/MD
Sample : Q3584-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-2

Quant Time: Nov 11 00:47:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

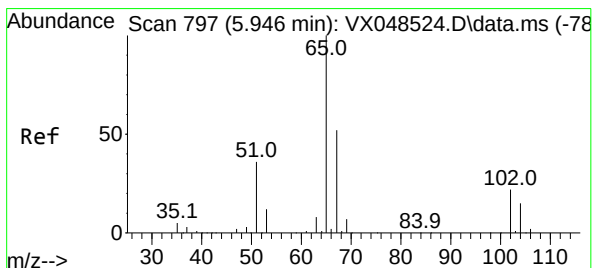
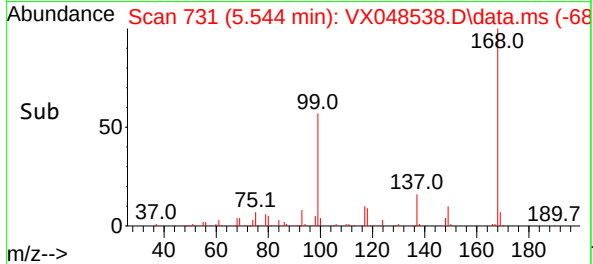
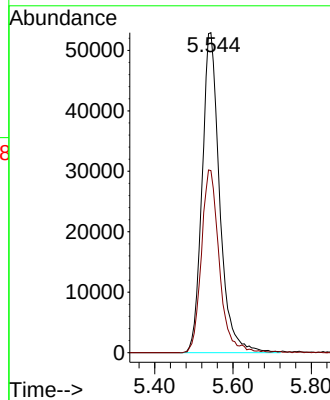
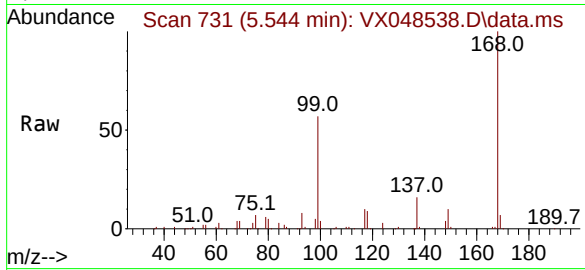




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

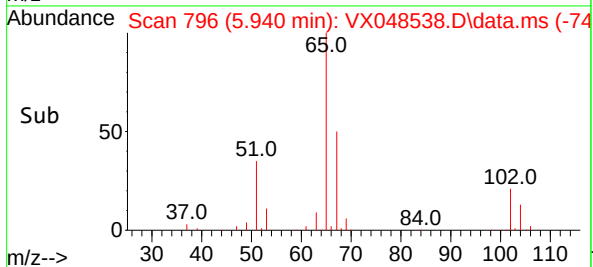
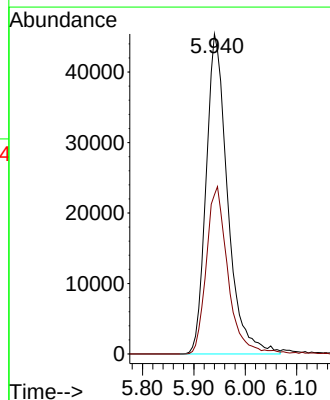
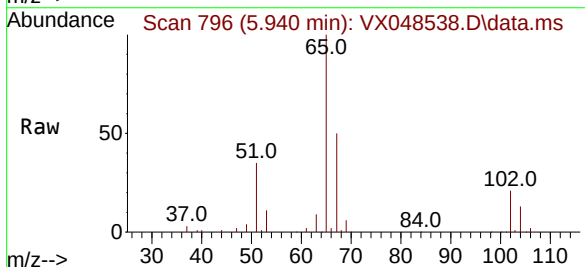
Instrument :
MSVOA_X
ClientSampleId :
FB-2

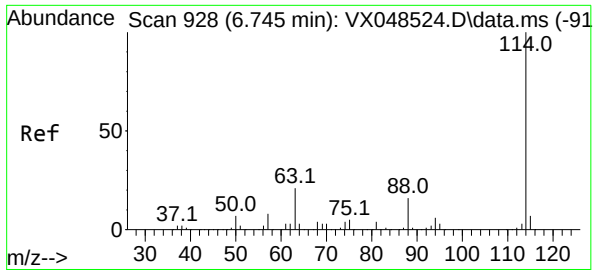
Tgt Ion:168 Resp: 164671
Ion Ratio Lower Upper
168 100
99 56.9 45.2 67.8



#33
1,2-Dichloroethane-d4
Concen: 57.488 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

Tgt Ion: 65 Resp: 131909
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048538.D

Acq: 10 Nov 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

FB-2

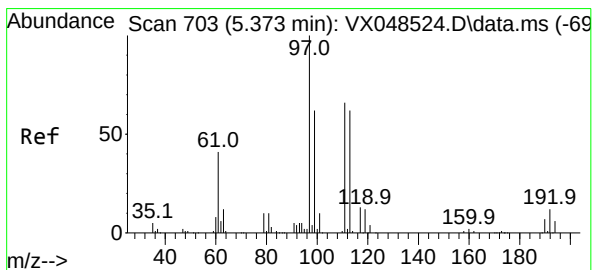
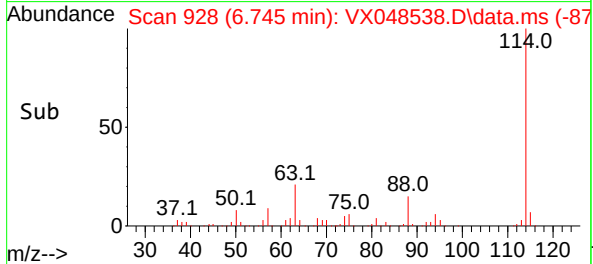
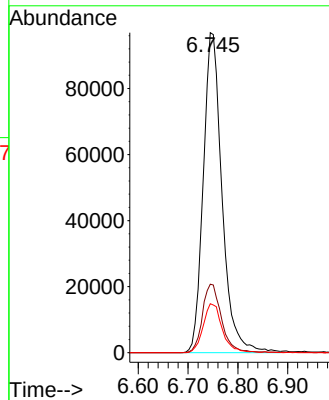
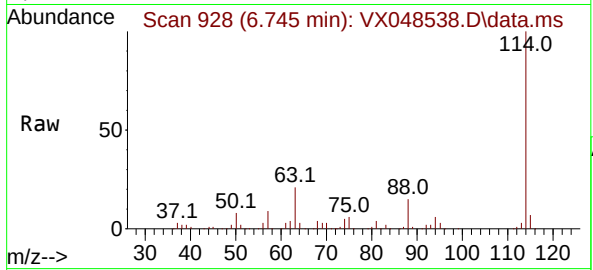
Tgt Ion:114 Resp: 253875

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.2

88 15.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 59.352 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048538.D

Acq: 10 Nov 2025 14:45

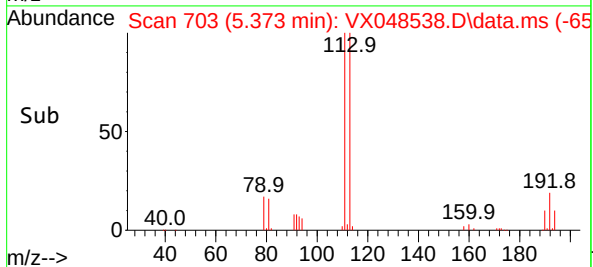
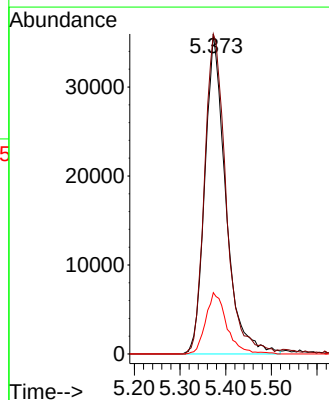
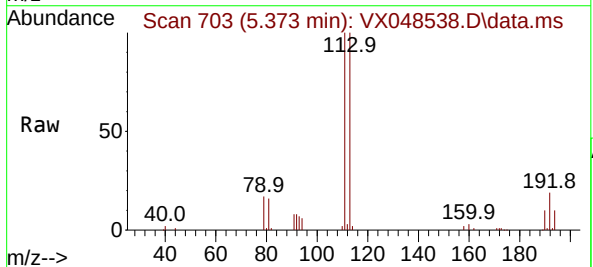
Tgt Ion:113 Resp: 114044

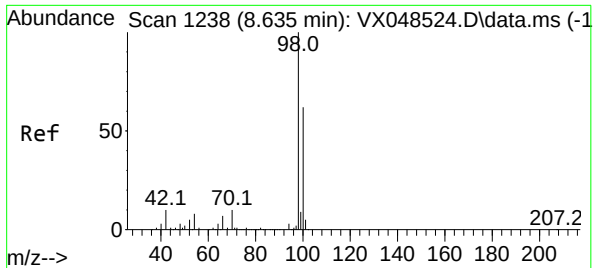
Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 19.4 15.8 23.6

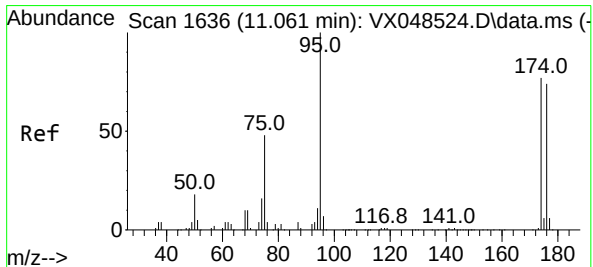
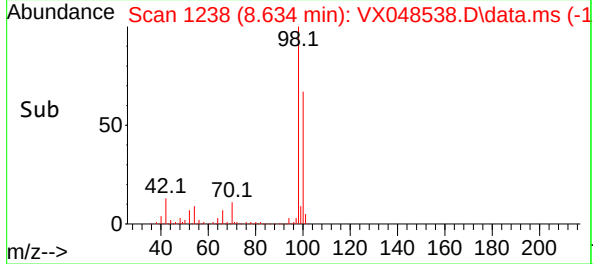
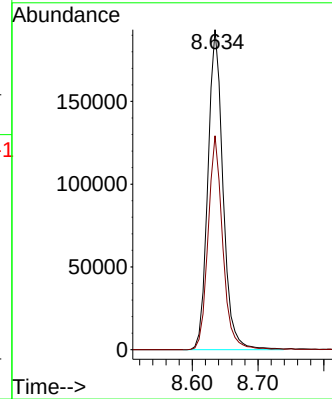
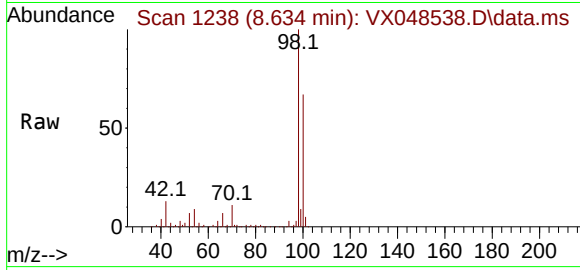




#50
Toluene-d8
Concen: 51.651 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

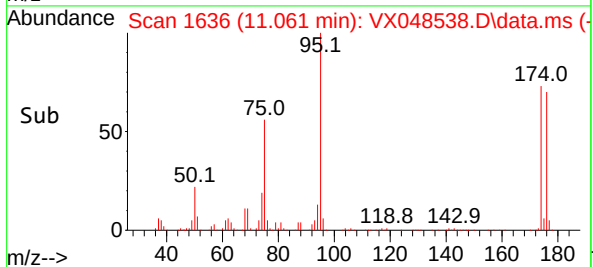
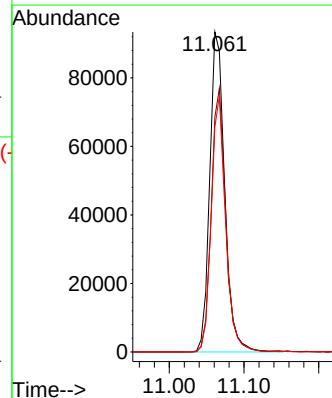
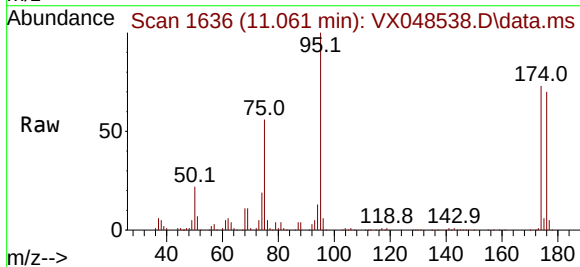
Instrument :
MSVOA_X
ClientSampleId :
FB-2

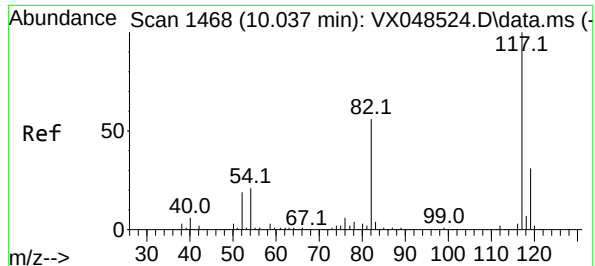
Tgt Ion: 98 Resp: 309532
Ion Ratio Lower Upper
98 100
100 65.1 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 57.892 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048538.D
Acq: 10 Nov 2025 14:45

Tgt Ion: 95 Resp: 129291
Ion Ratio Lower Upper
95 100
174 80.3 0.0 161.8
176 77.0 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048538.D

Acq: 10 Nov 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

FB-2

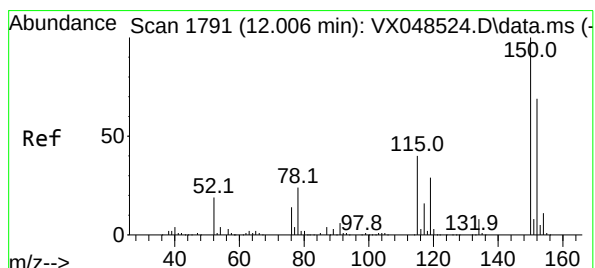
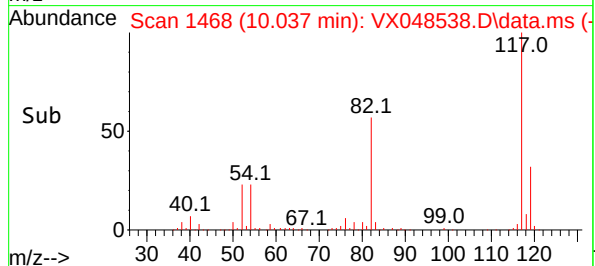
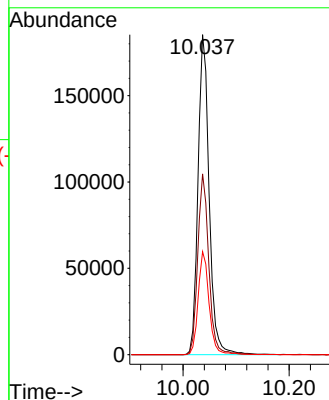
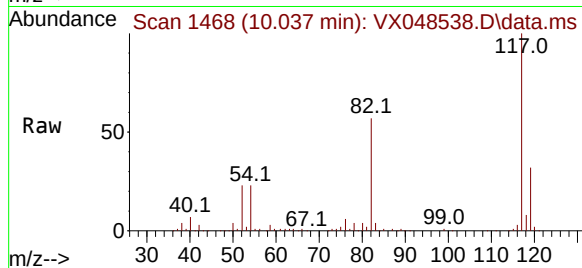
Tgt Ion:117 Resp: 270369

Ion Ratio Lower Upper

117 100

82 56.5 44.4 66.6

119 32.2 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048538.D

Acq: 10 Nov 2025 14:45

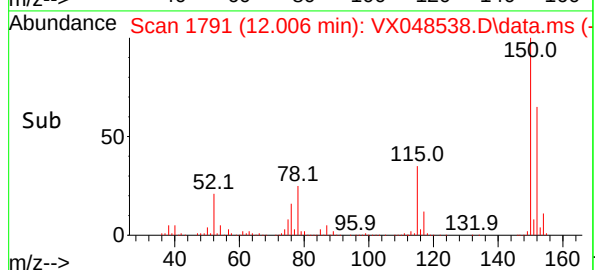
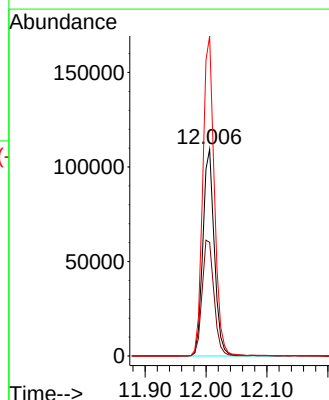
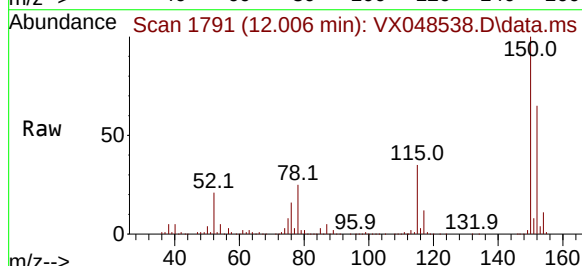
Tgt Ion:152 Resp: 142954

Ion Ratio Lower Upper

152 100

115 58.2 39.2 117.6

150 155.6 0.0 347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048538.D
Acq On : 10 Nov 2025 14:45
Operator : JC/MD
Sample : Q3584-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048538.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.788	274	279	286	rBV2	5539	9869	1.12%	0.196%
2	5.373	690	703	719	rBV	115380	367324	41.77%	7.299%
3	5.537	719	730	754	rVB	155607	487631	55.45%	9.689%
4	5.940	785	796	813	rBV	120165	355997	40.48%	7.074%
5	6.745	919	928	947	rBV	229773	600643	68.30%	11.935%
6	8.634	1231	1238	1255	rBV	517408	832036	94.62%	16.533%
7	10.037	1462	1468	1486	rBV	579393	847046	96.32%	16.831%
8	11.061	1631	1636	1647	rBV	463909	652670	74.22%	12.969%
9	12.006	1785	1791	1802	rBV	646562	879379	100.00%	17.474%

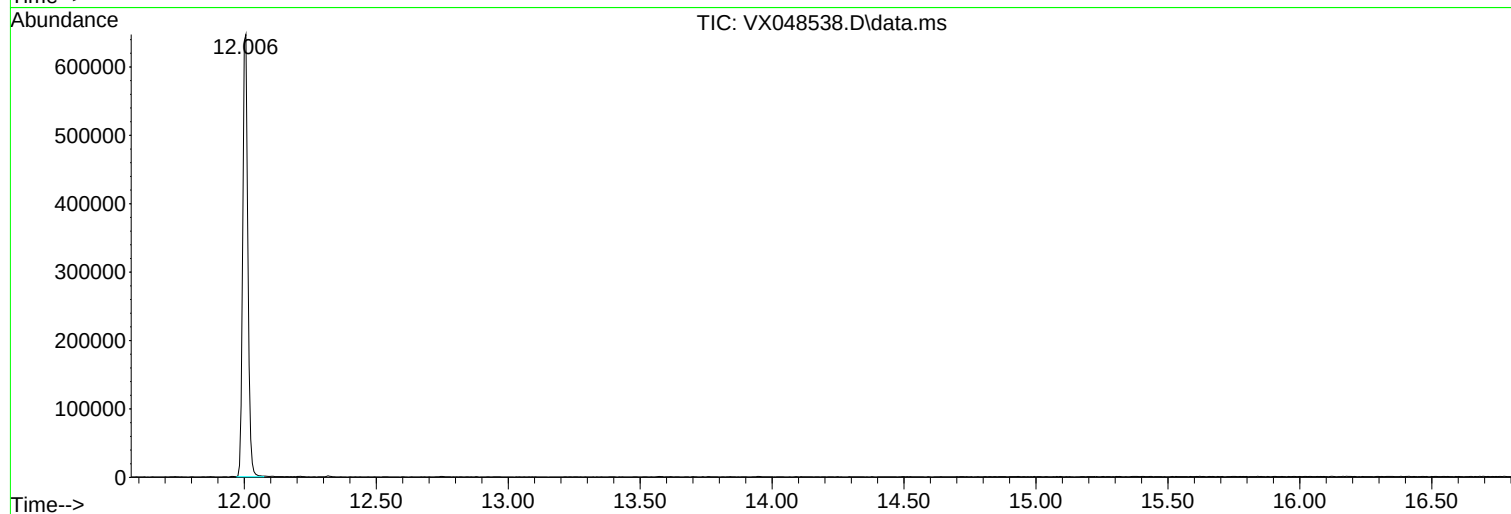
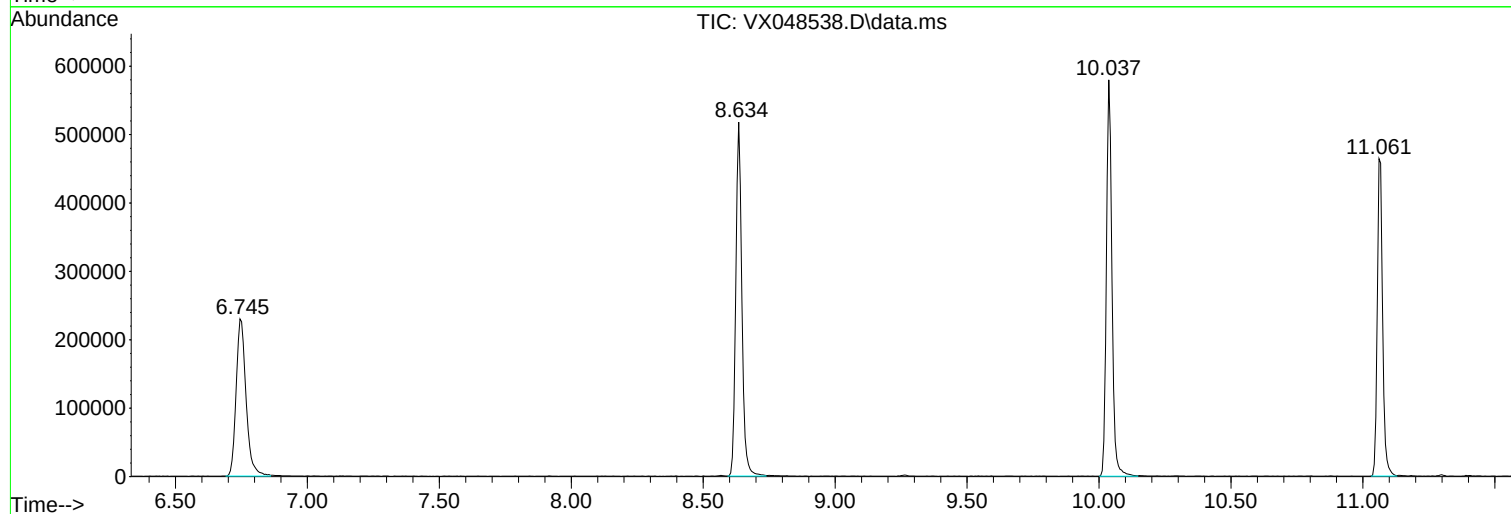
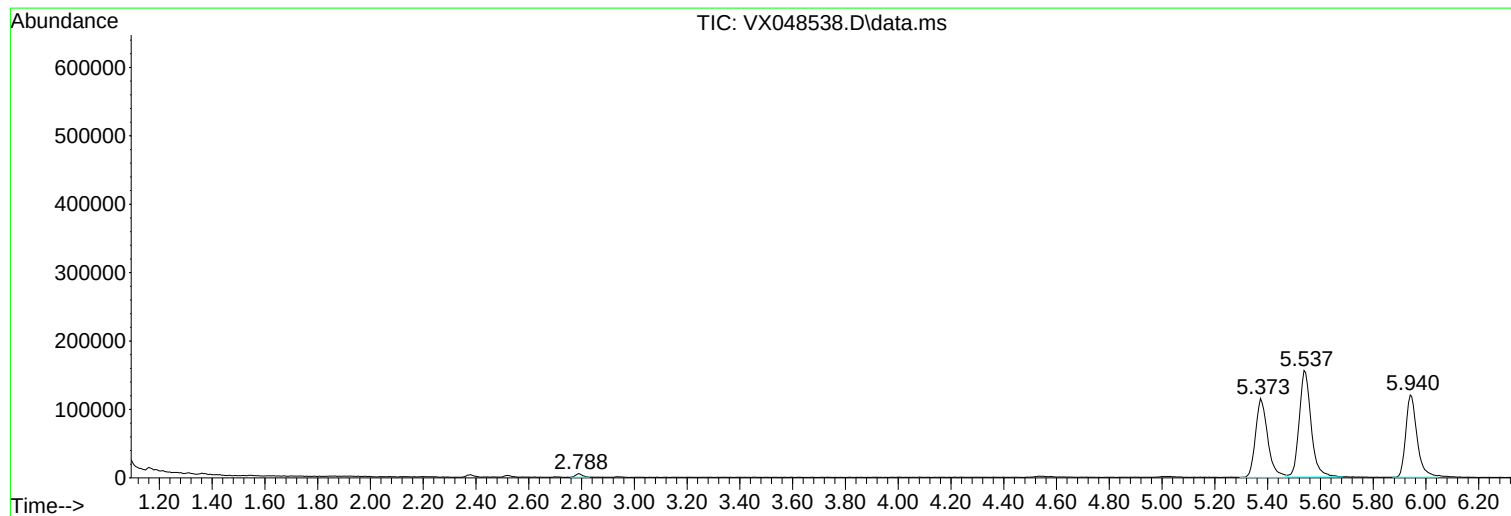
Sum of corrected areas: 5032595

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048538.D
Acq On : 10 Nov 2025 14:45
Operator : JC/MD
Sample : Q3584-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048538.D
Acq On : 10 Nov 2025 14:45
Operator : JC/MD
Sample : Q3584-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.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_X\Data\VX111025\
Data File : VX048538.D
Acq On : 10 Nov 2025 14:45
Operator : JC/MD
Sample : Q3584-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: TB-3
 Lab Sample ID: Q3584-06
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/07/25
 SDG No.: Q3584
 Matrix: Water
 % Solid: 0
 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	11/10/25 15:06	VX111025
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/10/25 15:06	VX111025
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/10/25 15:06	VX111025
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/10/25 15:06	VX111025
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/10/25 15:06	VX111025
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/10/25 15:06	VX111025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/10/25 15:06	VX111025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:06	VX111025
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/10/25 15:06	VX111025
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/10/25 15:06	VX111025
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:06	VX111025
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/10/25 15:06	VX111025
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/10/25 15:06	VX111025
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:06	VX111025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:06	VX111025
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/10/25 15:06	VX111025
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/10/25 15:06	VX111025
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/10/25 15:06	VX111025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/10/25 15:06	VX111025
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 15:06	VX111025
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/10/25 15:06	VX111025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:06	VX111025
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:06	VX111025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/10/25 15:06	VX111025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 15:06	VX111025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/10/25 15:06	VX111025
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:06	VX111025
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 15:06	VX111025
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/10/25 15:06	VX111025
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/10/25 15:06	VX111025
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/10/25 15:06	VX111025
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:06	VX111025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/10/25 15:06	VX111025
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/10/25 15:06	VX111025
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/10/25 15:06	VX111025
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/10/25 15:06	VX111025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 15:06	VX111025
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/10/25 15:06	VX111025
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/10/25 15:06	VX111025
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/10/25 15:06	VX111025
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/10/25 15:06	VX111025
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/10/25 15:06	VX111025
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/10/25 15:06	VX111025



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

Report of Analysis

Client: Remington & Vernick Engineers
Project: Edison Landfill
Client Sample ID: TB-3
Lab Sample ID: Q3584-06
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/07/25
Date Received: 11/07/25
SDG No.: Q3584
Matrix: Water
% Solid: 0
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	11/10/25 15:06	VX111025
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/10/25 15:06	VX111025
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:06	VX111025
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/10/25 15:06	VX111025
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 15:06	VX111025
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/10/25 15:06	VX111025
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:06	VX111025
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 15:06	VX111025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.5			70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	44.2			70 (75) - 130 (124)	88%	SPK: 50
2037-26-5	Toluene-d8	49.2			70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.1			70 (77) - 130 (121)	120%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	167000
540-36-3	1,4-Difluorobenzene	331000
3114-55-4	Chlorobenzene-d5	344000
3855-82-1	1,4-Dichlorobenzene-d4	202000

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_X\Data\VX111025\
 Data File : VX048539.D
 Acq On : 10 Nov 2025 15:06
 Operator : JC/MD
 Sample : Q3584-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-3

Quant Time: Nov 11 00:47:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	166567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	331464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	343876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201653	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	121885	52.514	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.020%
35) Dibromofluoromethane	5.379	113	110982	44.238	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.480%
50) Toluene-d8	8.635	98	384880	49.190	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.380%
62) 4-Bromofluorobenzene	11.061	95	175272	60.110	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	120.220%

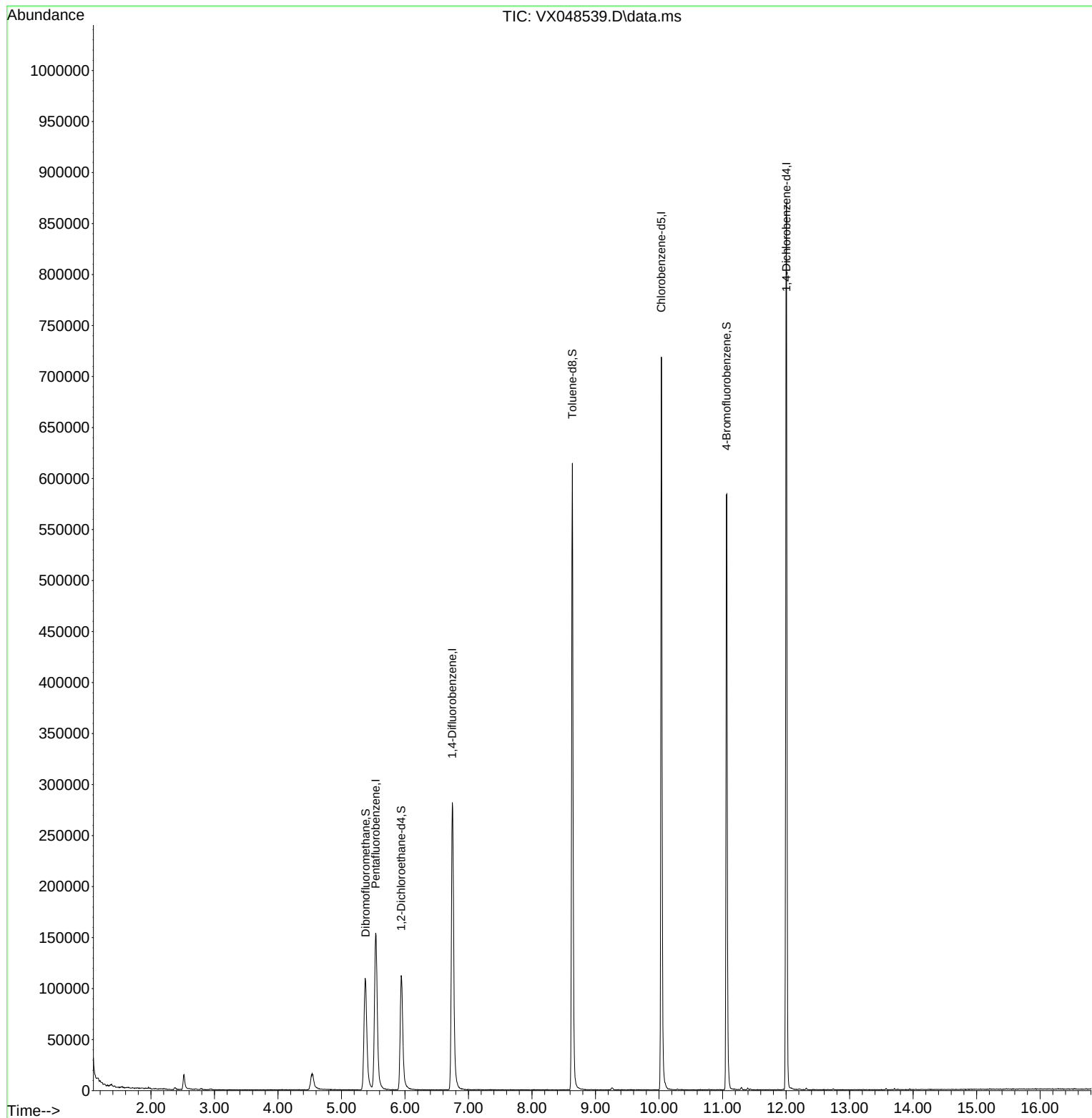
Target Compounds	Qvalue

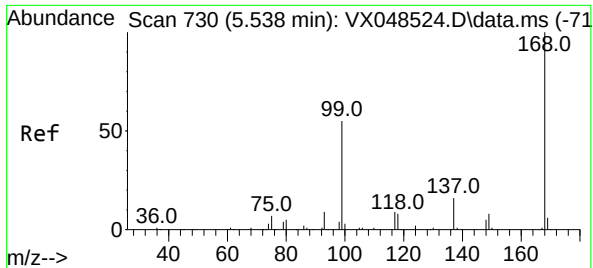
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048539.D
Acq On : 10 Nov 2025 15:06
Operator : JC/MD
Sample : Q3584-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-3

Quant Time: Nov 11 00:47:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

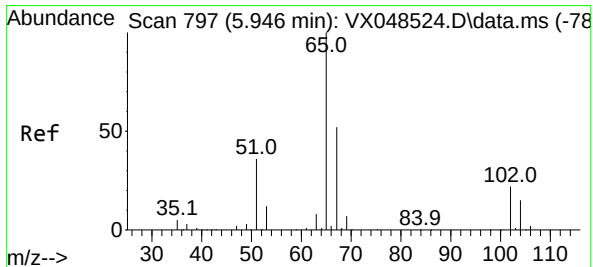
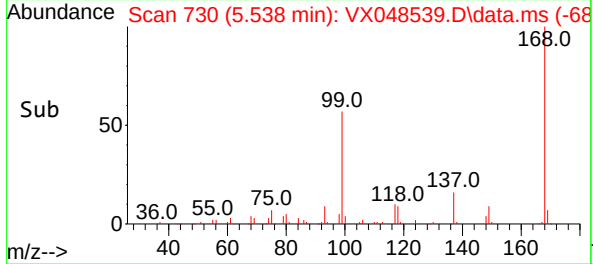
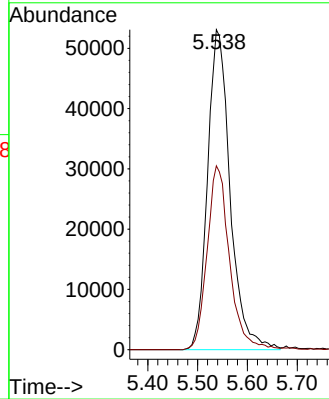
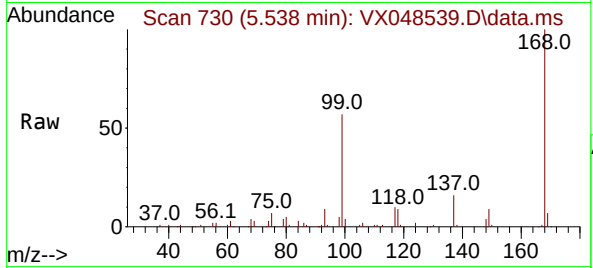




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

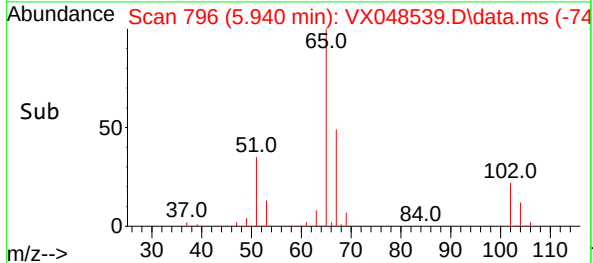
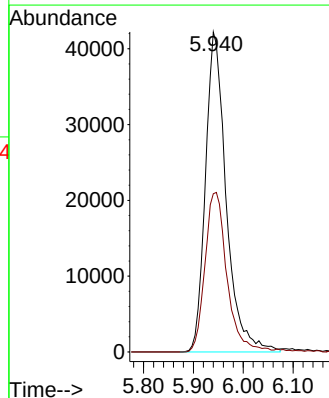
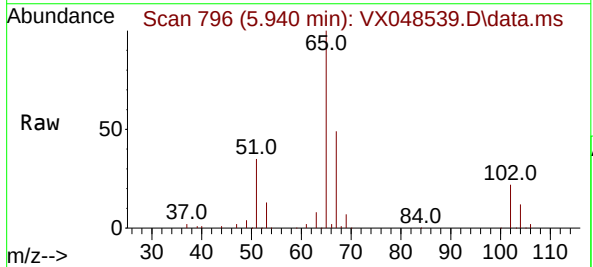
Instrument :
MSVOA_X
ClientSampleId :
TB-3

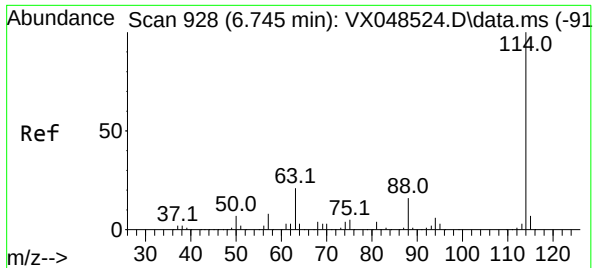
Tgt Ion:168 Resp: 166567
Ion Ratio Lower Upper
168 100
99 57.5 45.2 67.8



#33
1,2-Dichloroethane-d4
Concen: 52.514 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Tgt Ion: 65 Resp: 121885
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048539.D

Acq: 10 Nov 2025 15:06

Instrument :

MSVOA_X

ClientSampleId :

TB-3

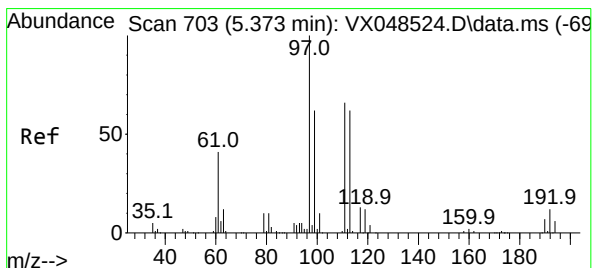
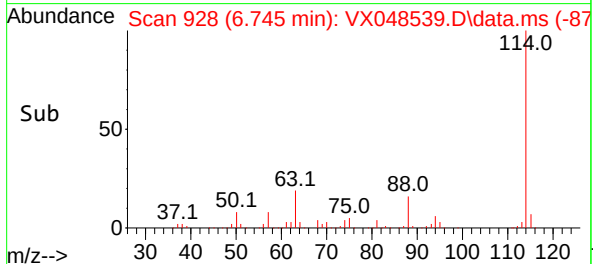
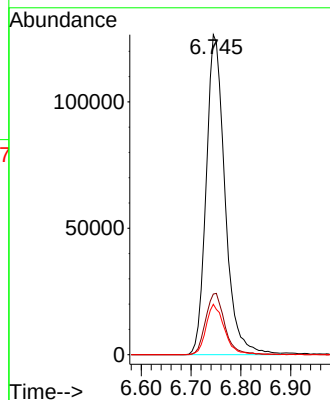
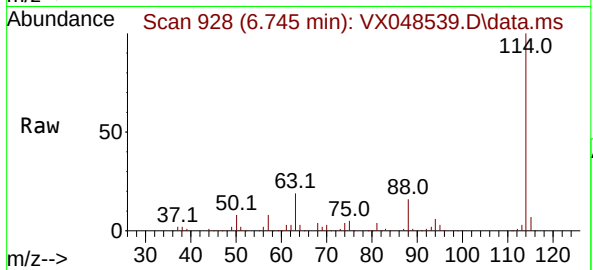
Tgt Ion:114 Resp: 331464

Ion Ratio Lower Upper

114 100

63 19.0 0.0 41.2

88 15.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 44.238 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX048539.D

Acq: 10 Nov 2025 15:06

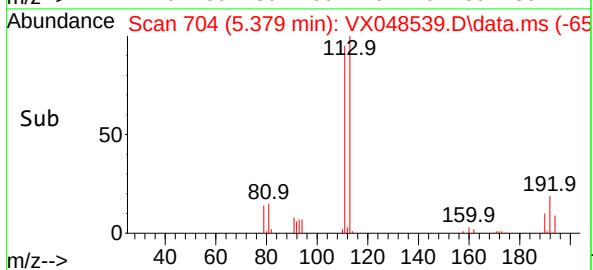
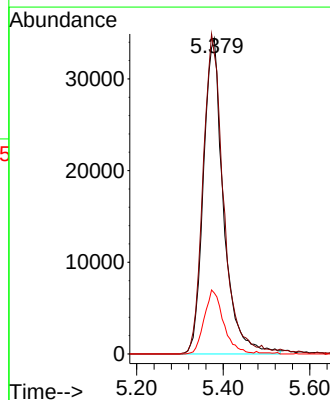
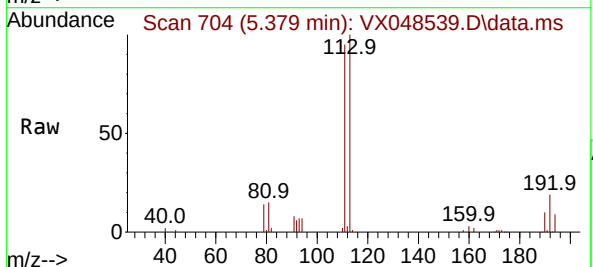
Tgt Ion:113 Resp: 110982

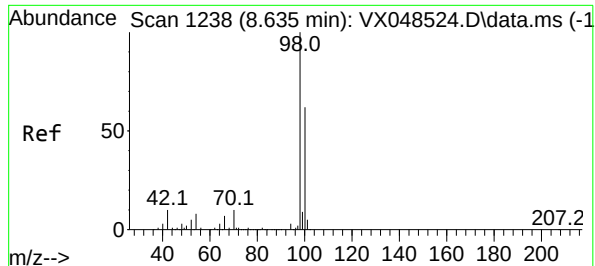
Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 19.5 15.8 23.6





#50

Toluene-d8

Concen: 49.190 ug/l

RT: 8.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048539.D

Acq: 10 Nov 2025 15:06

Instrument :

MSVOA_X

ClientSampleId :

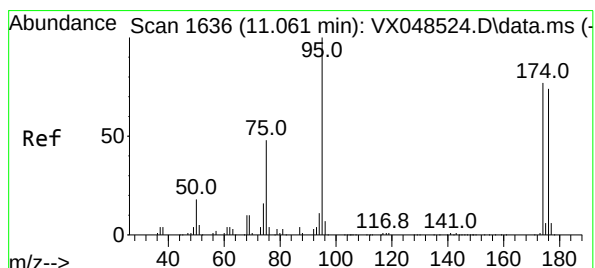
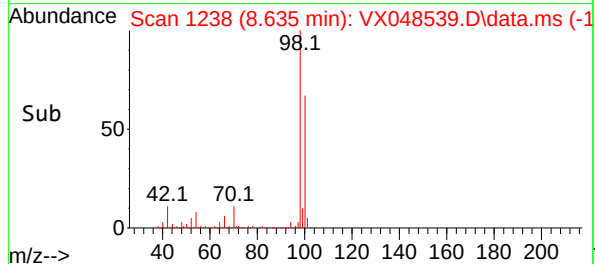
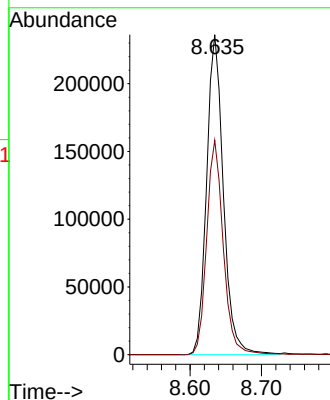
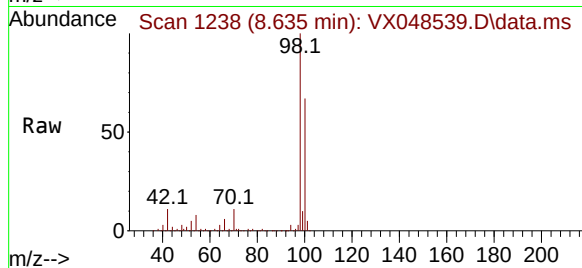
TB-3

Tgt Ion: 98 Resp: 384880

Ion Ratio Lower Upper

98 100

100 66.3 53.6 80.4



#62

4-Bromofluorobenzene

Concen: 60.110 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048539.D

Acq: 10 Nov 2025 15:06

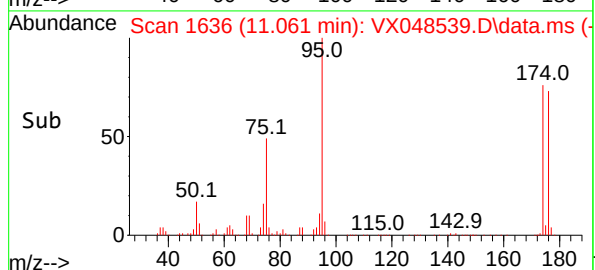
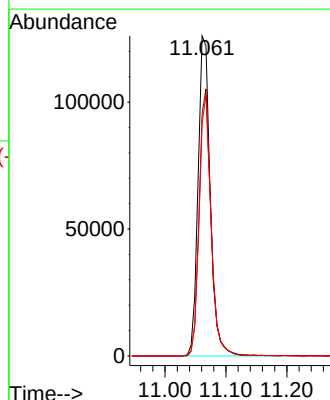
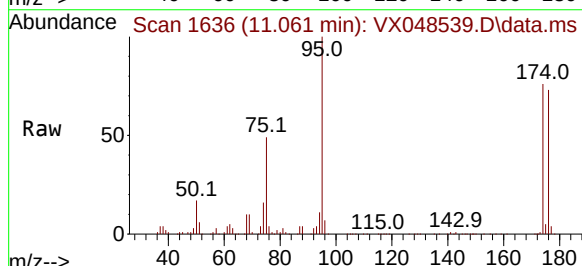
Tgt Ion: 95 Resp: 175272

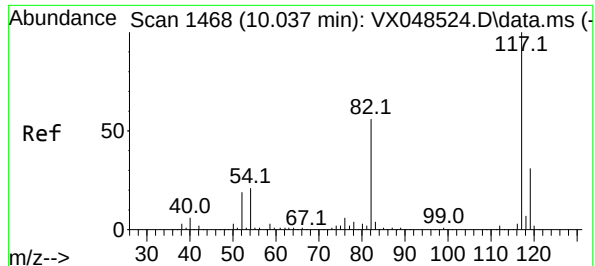
Ion Ratio Lower Upper

95 100

174 81.0 0.0 161.8

176 79.5 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048539.D

Acq: 10 Nov 2025 15:06

Instrument :

MSVOA_X

ClientSampleId :

TB-3

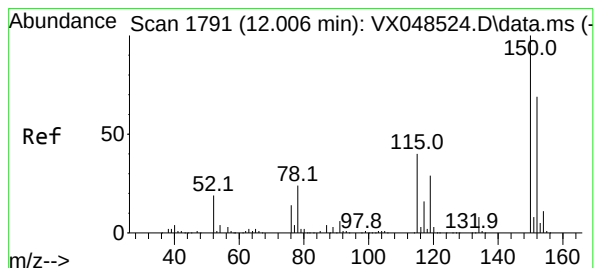
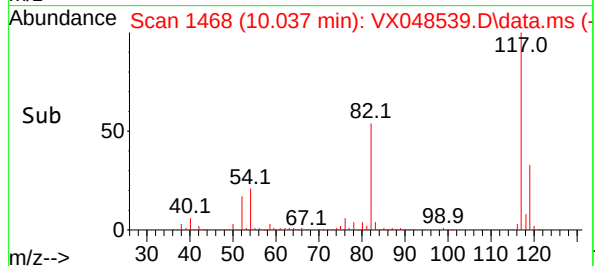
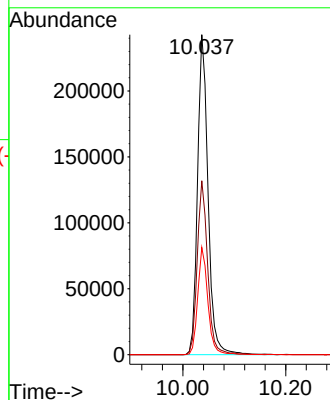
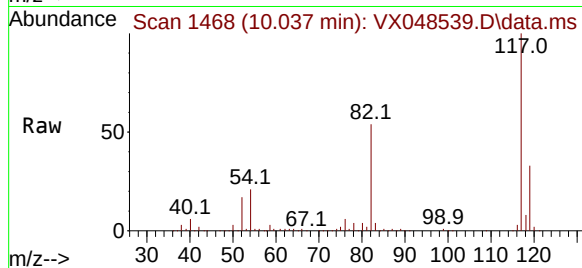
Tgt Ion:117 Resp: 343876

Ion Ratio Lower Upper

117 100

82 54.4 44.4 66.6

119 33.5 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048539.D

Acq: 10 Nov 2025 15:06

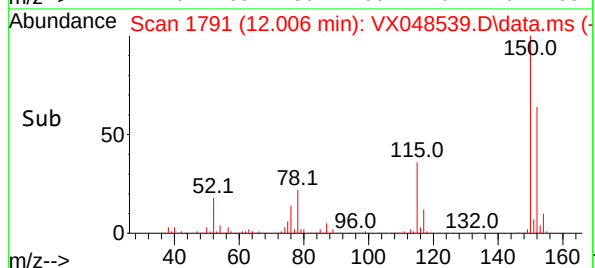
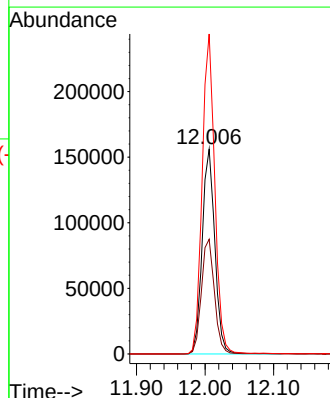
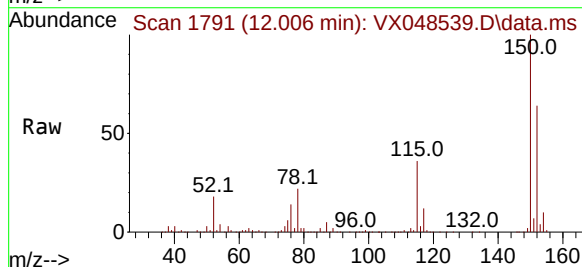
Tgt Ion:152 Resp: 201653

Ion Ratio Lower Upper

152 100

115 57.6 39.2 117.6

150 154.9 0.0 347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048539.D
Acq On : 10 Nov 2025 15:06
Operator : JC/MD
Sample : Q3584-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-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_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048539.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.520	229	235	244	rBV	14805	31476	2.73%	0.524%
2	4.538	554	566	577	rBV2	16039	58004	5.03%	0.966%
3	5.373	690	703	720	rBV2	109592	355770	30.86%	5.927%
4	5.538	720	730	752	rVB	152963	480345	41.66%	8.002%
5	5.940	786	796	820	rBV2	112167	335237	29.07%	5.585%
6	6.745	917	928	952	rBV	281561	743354	64.47%	12.384%
7	8.635	1231	1238	1253	rBV	614359	998317	86.58%	16.631%
8	10.037	1462	1468	1488	rBV	718290	1017227	88.22%	16.946%
9	11.067	1631	1637	1655	rBV	583898	829907	71.98%	13.826%
10	12.006	1785	1791	1801	rBV	869498	1153028	100.00%	19.209%

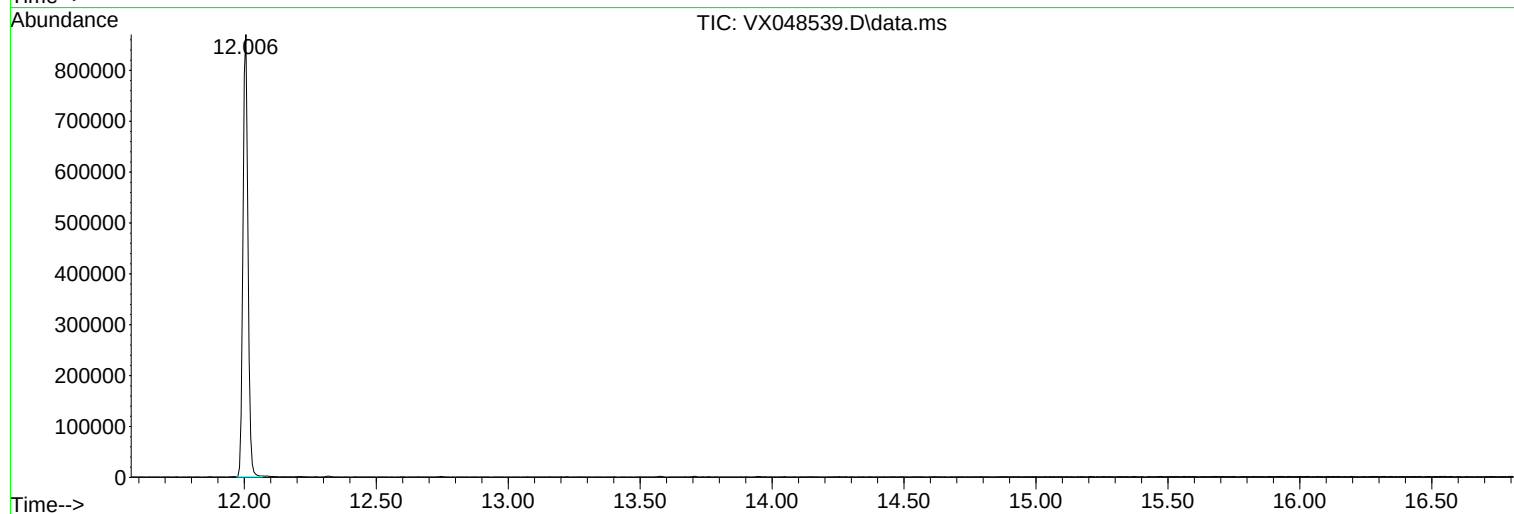
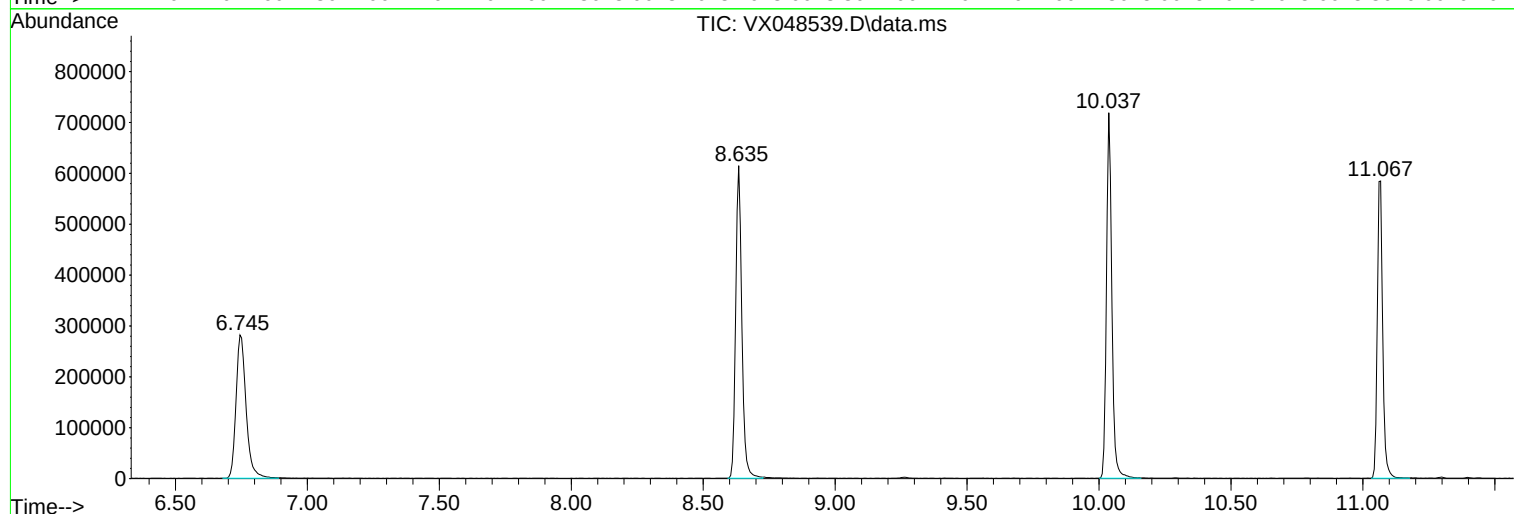
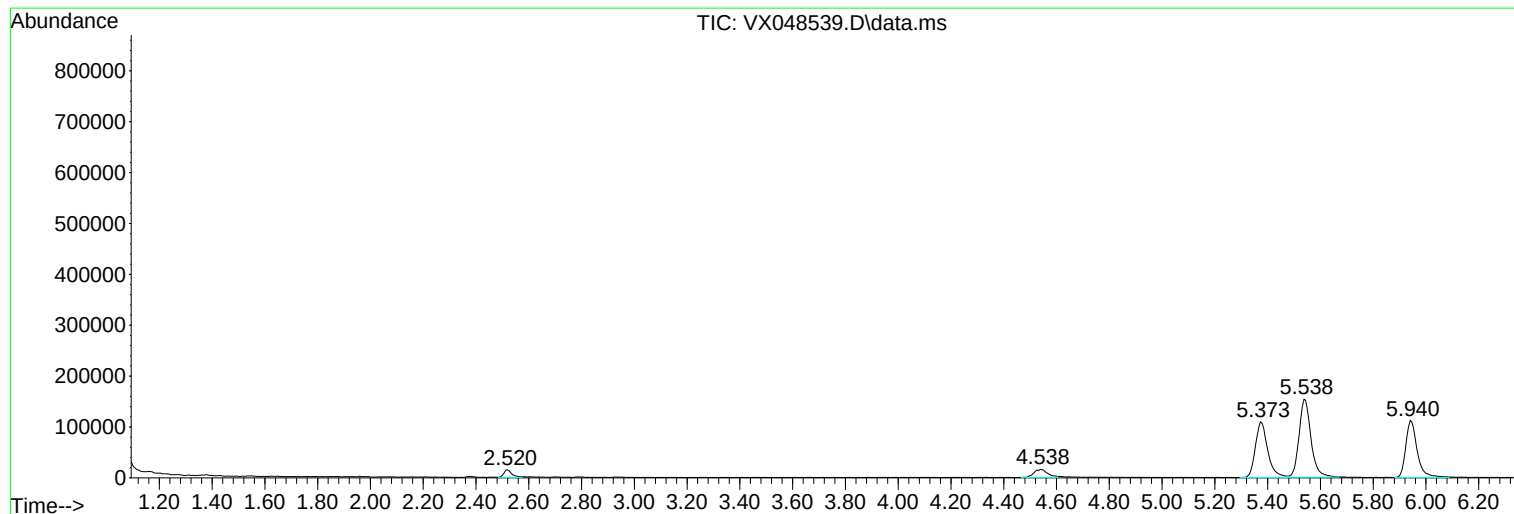
Sum of corrected areas: 6002665

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048539.D
Acq On : 10 Nov 2025 15:06
Operator : JC/MD
Sample : Q3584-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048539.D
Acq On : 10 Nov 2025 15:06
Operator : JC/MD
Sample : Q3584-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.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_X\Data\VX111025\
Data File : VX048539.D
Acq On : 10 Nov 2025 15:06
Operator : JC/MD
Sample : Q3584-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: SEEP-1
 Lab Sample ID: Q3584-07
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/07/25
 Date Received: 11/07/25
 SDG No.: Q3584
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	2.20	U	10	2.20	10.0	ug/L	11/11/25 12:04	VX111125
74-87-3	Chloromethane	3.20	U	10	3.20	10.0	ug/L	11/11/25 12:04	VX111125
75-01-4	Vinyl Chloride	2.60	U	10	2.60	10.0	ug/L	11/11/25 12:04	VX111125
74-83-9	Bromomethane	14.4	U	10	14.4	50.0	ug/L	11/11/25 12:04	VX111125
75-00-3	Chloroethane	4.70	U	10	4.70	10.0	ug/L	11/11/25 12:04	VX111125
75-69-4	Trichlorofluoromethane	3.30	U	10	3.30	10.0	ug/L	11/11/25 12:04	VX111125
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	10	2.50	10.0	ug/L	11/11/25 12:04	VX111125
75-35-4	1,1-Dichloroethene	2.30	U	10	2.30	10.0	ug/L	11/11/25 12:04	VX111125
67-64-1	Acetone	49.7	J	10	15.1	50.0	ug/L	11/11/25 12:04	VX111125
75-15-0	Carbon Disulfide	2.10	U	10	2.10	10.0	ug/L	11/11/25 12:04	VX111125
1634-04-4	Methyl tert-butyl Ether	1.60	U	10	1.60	10.0	ug/L	11/11/25 12:04	VX111125
79-20-9	Methyl Acetate	2.70	U	10	2.70	10.0	ug/L	11/11/25 12:04	VX111125
75-09-2	Methylene Chloride	2.80	U	10	2.80	10.0	ug/L	11/11/25 12:04	VX111125
156-60-5	trans-1,2-Dichloroethene	2.30	U	10	2.30	10.0	ug/L	11/11/25 12:04	VX111125
75-34-3	1,1-Dichloroethane	2.30	U	10	2.30	10.0	ug/L	11/11/25 12:04	VX111125
110-82-7	Cyclohexane	14.5	U	10	14.5	50.0	ug/L	11/11/25 12:04	VX111125
78-93-3	2-Butanone	9.80	U	10	9.80	50.0	ug/L	11/11/25 12:04	VX111125
56-23-5	Carbon Tetrachloride	2.50	U	10	2.50	10.0	ug/L	11/11/25 12:04	VX111125
156-59-2	cis-1,2-Dichloroethene	1.90	U	10	1.90	10.0	ug/L	11/11/25 12:04	VX111125
74-97-5	Bromochloromethane	2.20	U	10	2.20	10.0	ug/L	11/11/25 12:04	VX111125
67-66-3	Chloroform	2.50	U	10	2.50	10.0	ug/L	11/11/25 12:04	VX111125
71-55-6	1,1,1-Trichloroethane	2.00	U	10	2.00	10.0	ug/L	11/11/25 12:04	VX111125
108-87-2	Methylcyclohexane	1.60	U	10	1.60	10.0	ug/L	11/11/25 12:04	VX111125
71-43-2	Benzene	1.50	U	10	1.50	10.0	ug/L	11/11/25 12:04	VX111125
107-06-2	1,2-Dichloroethane	2.20	U	10	2.20	10.0	ug/L	11/11/25 12:04	VX111125
79-01-6	Trichloroethene	0.93	U	10	0.93	10.0	ug/L	11/11/25 12:04	VX111125
78-87-5	1,2-Dichloropropane	2.00	U	10	2.00	10.0	ug/L	11/11/25 12:04	VX111125
75-27-4	Bromodichloromethane	2.20	U	10	2.20	10.0	ug/L	11/11/25 12:04	VX111125
108-10-1	4-Methyl-2-Pentanone	6.80	U	10	6.80	50.0	ug/L	11/11/25 12:04	VX111125
108-88-3	Toluene	1.40	U	10	1.40	10.0	ug/L	11/11/25 12:04	VX111125
10061-02-6	t-1,3-Dichloropropene	1.70	U	10	1.70	10.0	ug/L	11/11/25 12:04	VX111125
10061-01-5	cis-1,3-Dichloropropene	1.60	U	10	1.60	10.0	ug/L	11/11/25 12:04	VX111125
79-00-5	1,1,2-Trichloroethane	2.10	U	10	2.10	10.0	ug/L	11/11/25 12:04	VX111125
591-78-6	2-Hexanone	8.90	U	10	8.90	50.0	ug/L	11/11/25 12:04	VX111125
124-48-1	Dibromochloromethane	1.80	U	10	1.80	10.0	ug/L	11/11/25 12:04	VX111125
106-93-4	1,2-Dibromoethane	1.50	U	10	1.50	10.0	ug/L	11/11/25 12:04	VX111125
127-18-4	Tetrachloroethene	2.30	U	10	2.30	10.0	ug/L	11/11/25 12:04	VX111125
108-90-7	Chlorobenzene	1.20	U	10	1.20	10.0	ug/L	11/11/25 12:04	VX111125
100-41-4	Ethyl Benzene	1.30	U	10	1.30	10.0	ug/L	11/11/25 12:04	VX111125
179601-23-1	m/p-Xylenes	2.40	U	10	2.40	20.0	ug/L	11/11/25 12:04	VX111125
95-47-6	o-Xylene	1.20	U	10	1.20	10.0	ug/L	11/11/25 12:04	VX111125
100-42-5	Styrene	1.50	U	10	1.50	10.0	ug/L	11/11/25 12:04	VX111125
75-25-2	Bromoform	1.90	U	10	1.90	10.0	ug/L	11/11/25 12:04	VX111125



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

Report of Analysis

Client: Remington & Vernick Engineers
Project: Edison Landfill
Client Sample ID: SEEP-1
Lab Sample ID: Q3584-07
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/07/25
Date Received: 11/07/25
SDG No.: Q3584
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.20	U	10	1.20	10.0	ug/L	11/11/25 12:04	VX111125
79-34-5	1,1,2,2-Tetrachloroethane	2.60	U	10	2.60	10.0	ug/L	11/11/25 12:04	VX111125
541-73-1	1,3-Dichlorobenzene	1.60	U	10	1.60	10.0	ug/L	11/11/25 12:04	VX111125
106-46-7	1,4-Dichlorobenzene	1.90	U	10	1.90	10.0	ug/L	11/11/25 12:04	VX111125
95-50-1	1,2-Dichlorobenzene	1.60	U	10	1.60	10.0	ug/L	11/11/25 12:04	VX111125
96-12-8	1,2-Dibromo-3-Chloropropane	5.30	U	10	5.30	10.0	ug/L	11/11/25 12:04	VX111125
120-82-1	1,2,4-Trichlorobenzene	2.00	U	10	2.00	10.0	ug/L	11/11/25 12:04	VX111125
87-61-6	1,2,3-Trichlorobenzene	2.00	U	10	2.00	10.0	ug/L	11/11/25 12:04	VX111125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	49.2			70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	43.5			70 (75) - 130 (124)	87%	SPK: 50
2037-26-5	Toluene-d8	50.0			70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0			70 (77) - 130 (121)	112%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	214000
540-36-3	1,4-Difluorobenzene	420000
3114-55-4	Chlorobenzene-d5	432000
3855-82-1	1,4-Dichlorobenzene-d4	226000

TENTATIVE IDENTIFIED COMPOUNDS

75-65-0	Tert butyl alcohol	81.1	J			2.94	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_X\Data\VX111125\
 Data File : VX048556.D
 Acq On : 11 Nov 2025 12:04
 Operator : JC/MD
 Sample : Q3584-07 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SEEP-1

Quant Time: Nov 12 04:44:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

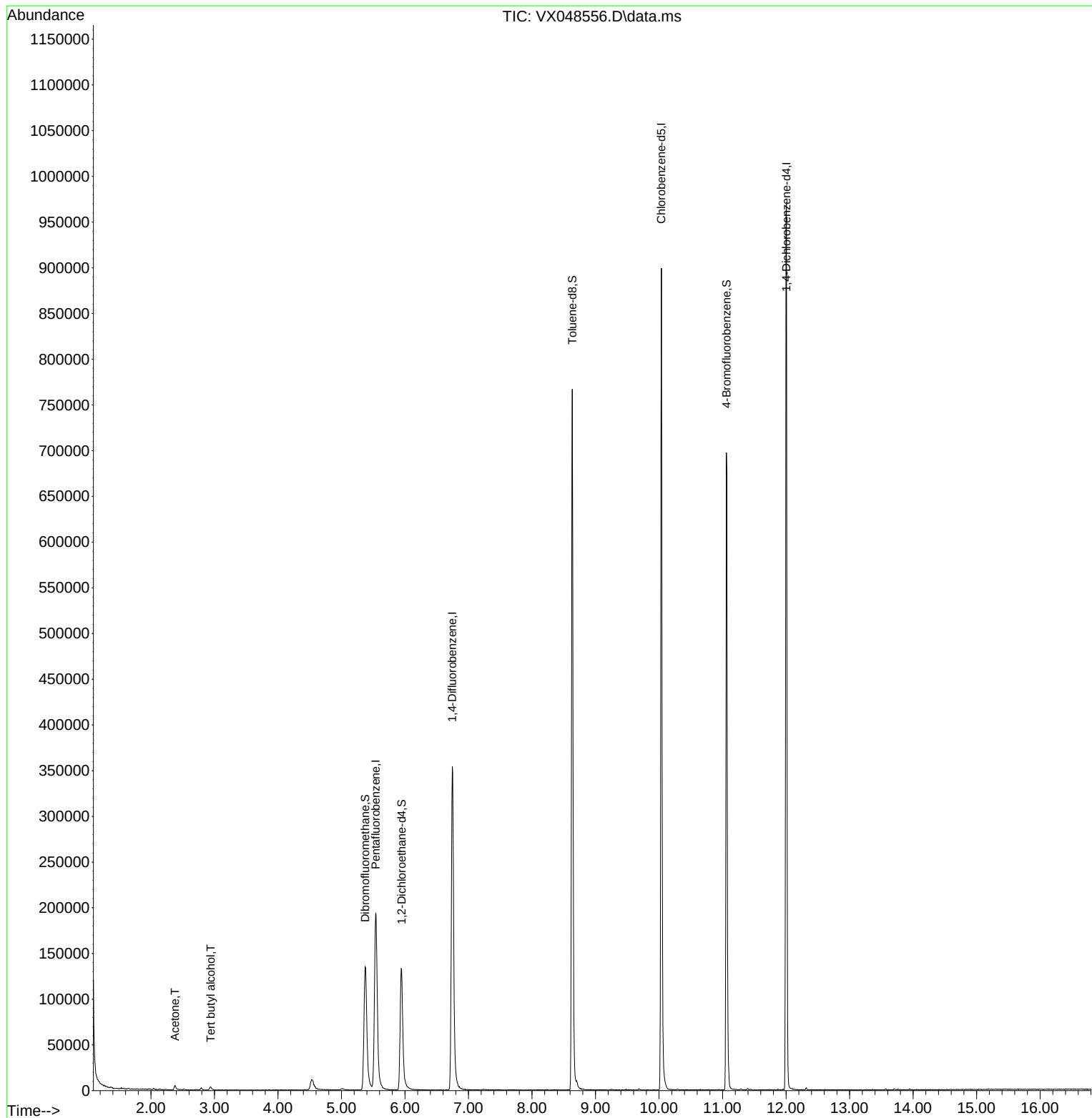
Internal Standards						
1) Pentafluorobenzene	5.538	168	213710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	420027	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	432332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	225901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	146403	49.163	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.320%
35) Dibromofluoromethane	5.373	113	138352	43.520	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.040%
50) Toluene-d8	8.635	98	495865	50.012	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.020%
62) 4-Bromofluorobenzene	11.061	95	207015	56.027	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.060%
Target Compounds						
11) Tert butyl alcohol	2.940	59	4576	8.110	ug/l #	91
16) Acetone	2.380	43	7007	4.971	ug/l	93

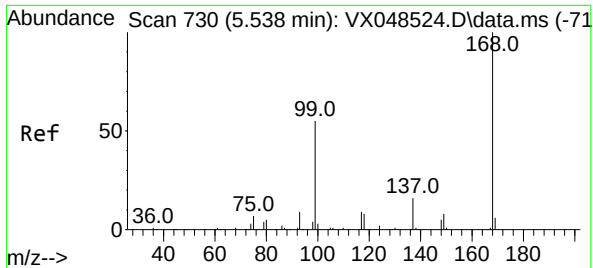
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048556.D
Acq On : 11 Nov 2025 12:04
Operator : JC/MD
Sample : Q3584-07 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SEEP-1

Quant Time: Nov 12 04:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

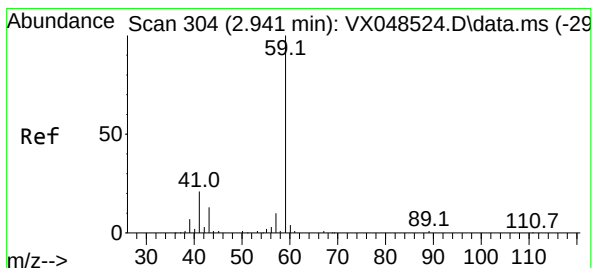
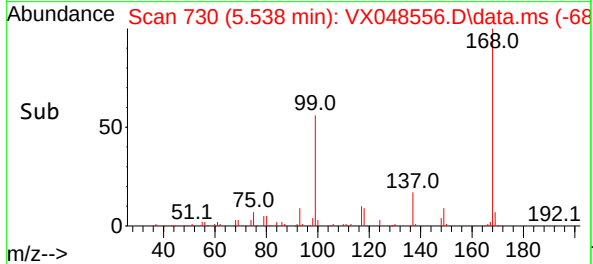
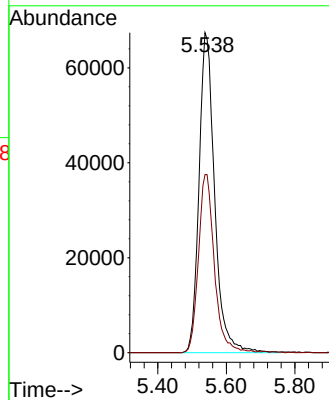
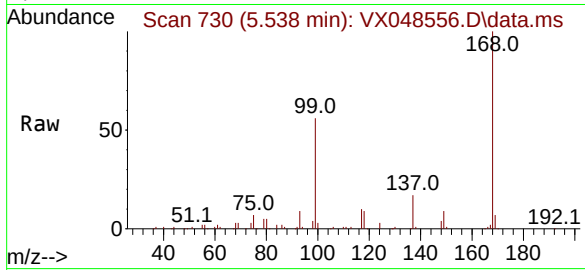




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.000 min
Lab File: VX048556.D
Acq: 11 Nov 2025 12:04

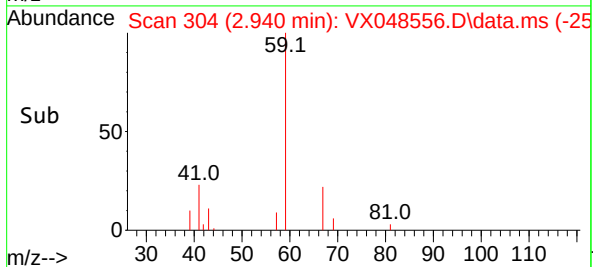
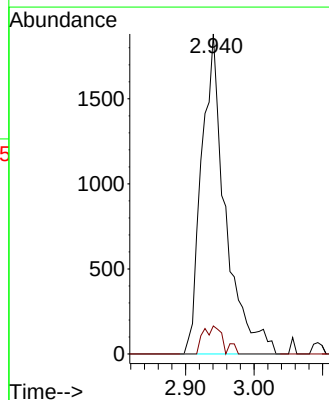
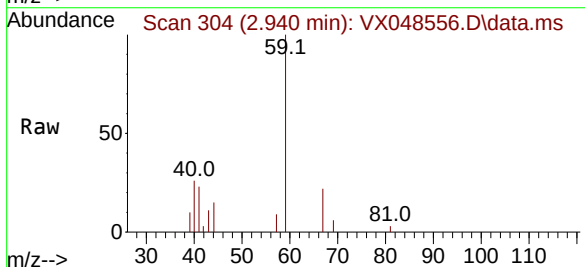
Instrument :
MSVOA_X
ClientSampleId :
SEEP-1

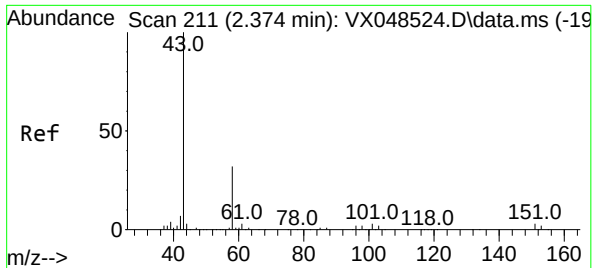
Tgt Ion:168 Resp: 213710
Ion Ratio Lower Upper
168 100
99 55.6 45.2 67.8



#11
Tert butyl alcohol
Concen: 8.110 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048556.D
Acq: 11 Nov 2025 12:04

Tgt Ion: 59 Resp: 4576
Ion Ratio Lower Upper
59 100
57 7.4 8.6 13.0#

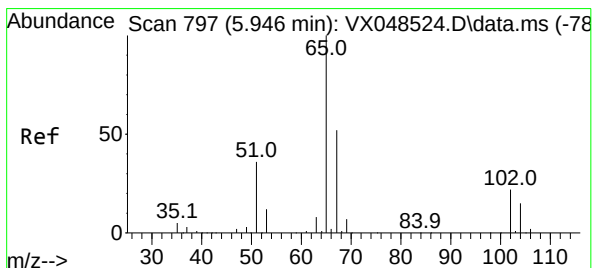
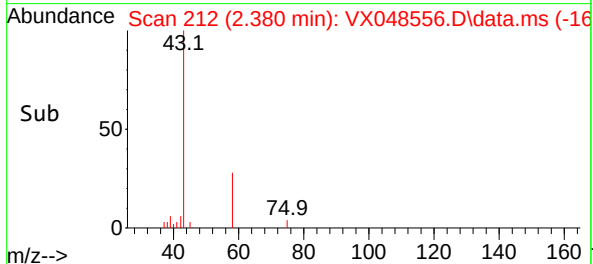
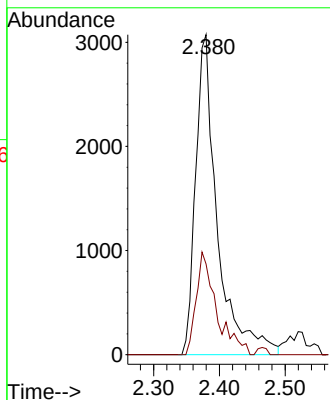
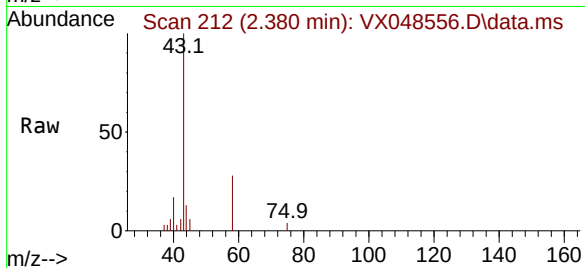




#16
Acetone
Concen: 4.971 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048556.D
Acq: 11 Nov 2025 12:04

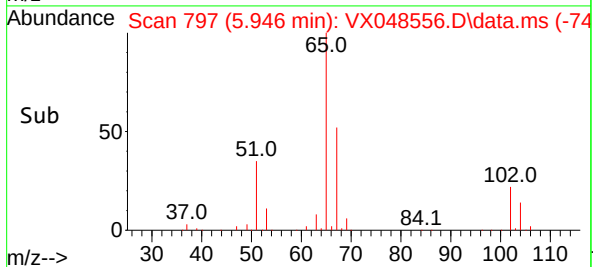
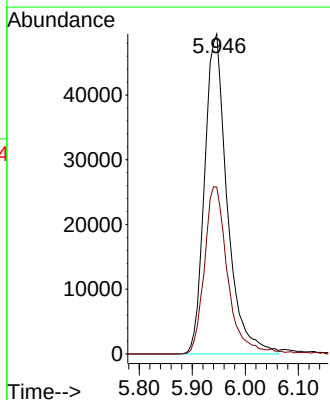
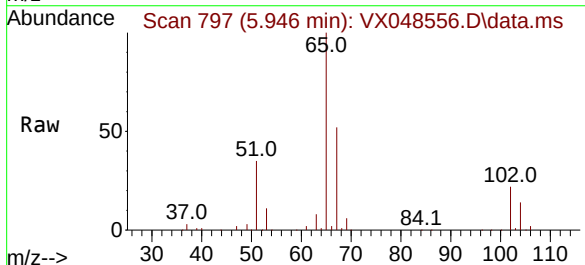
Instrument :
MSVOA_X
ClientSampleId :
SEEP-1

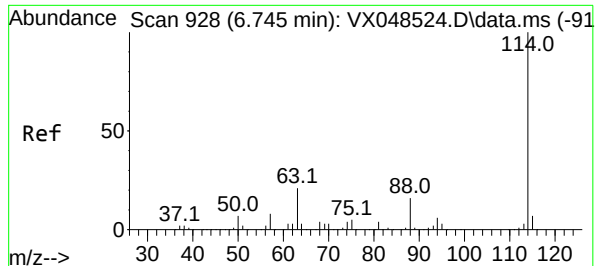
Tgt Ion: 43 Resp: 7007
Ion Ratio Lower Upper
43 100
58 28.4 25.8 38.6



#33
1,2-Dichloroethane-d4
Concen: 49.163 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX048556.D
Acq: 11 Nov 2025 12:04

Tgt Ion: 65 Resp: 146403
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048556.D

Acq: 11 Nov 2025 12:04

Instrument :

MSVOA_X

ClientSampleId :

SEEP-1

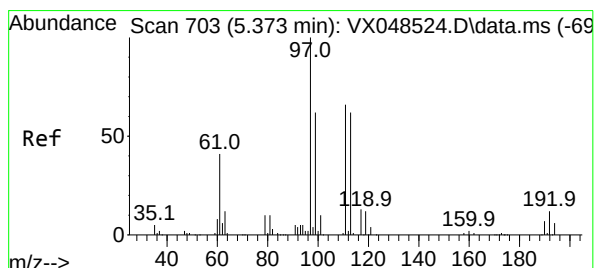
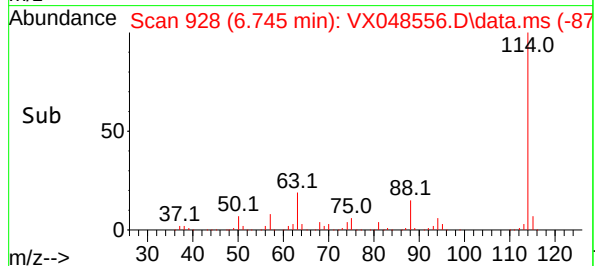
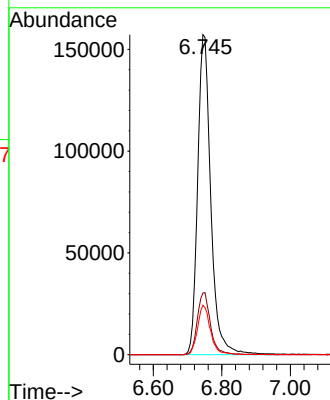
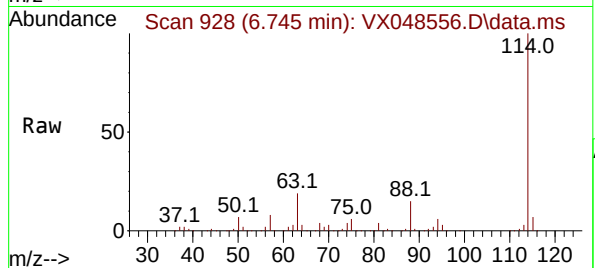
Tgt Ion:114 Resp: 420027

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.2

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 43.520 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048556.D

Acq: 11 Nov 2025 12:04

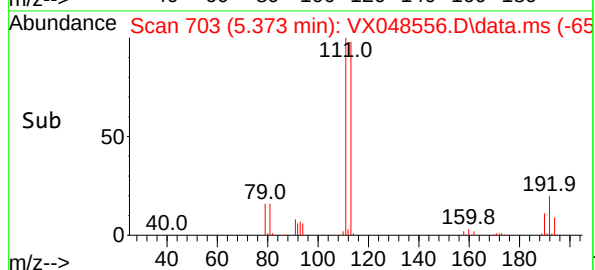
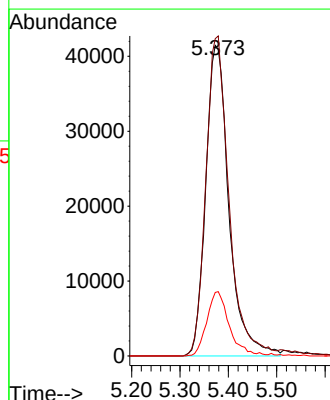
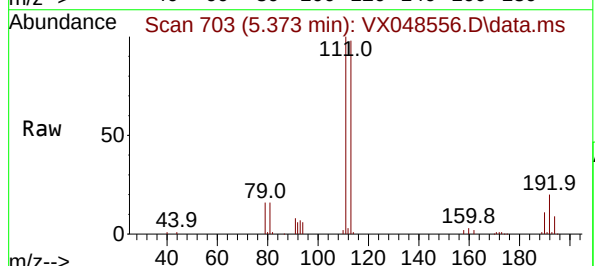
Tgt Ion:113 Resp: 138352

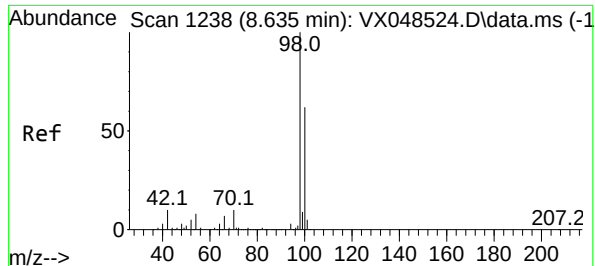
Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

192 20.0 15.8 23.6

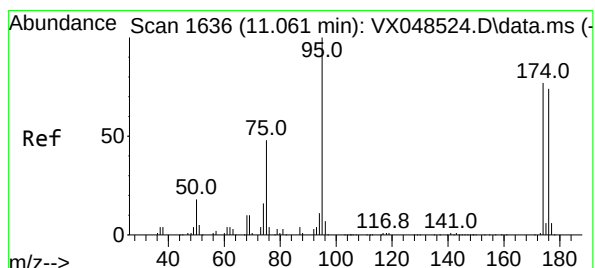
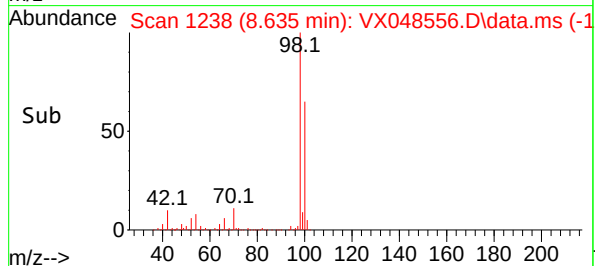
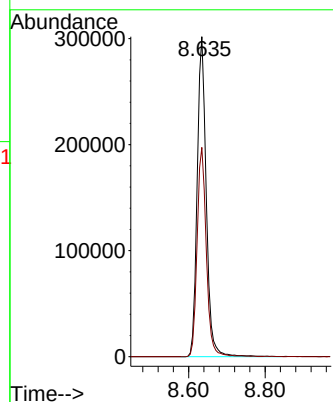
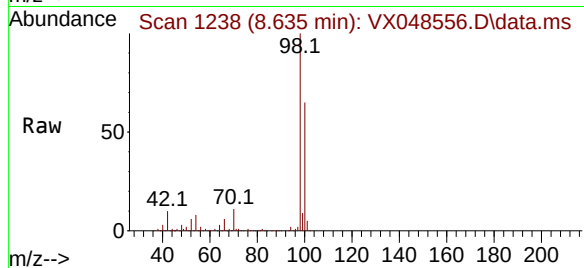




#50
Toluene-d8
Concen: 50.012 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048556.D
Acq: 11 Nov 2025 12:04

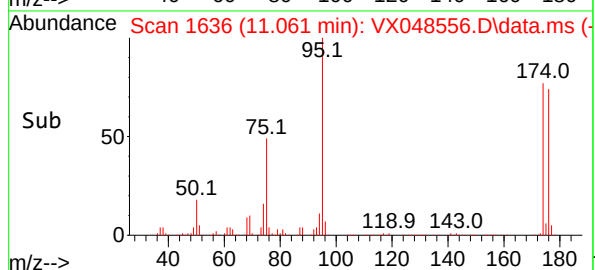
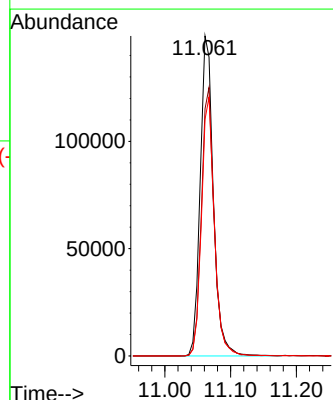
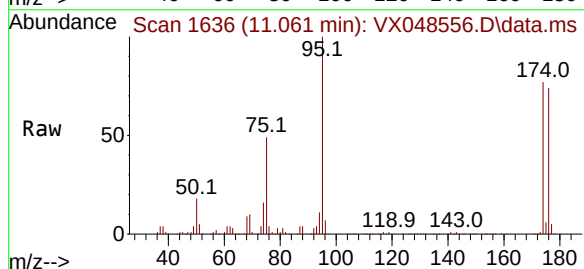
Instrument :
MSVOA_X
ClientSampleId :
SEEP-1

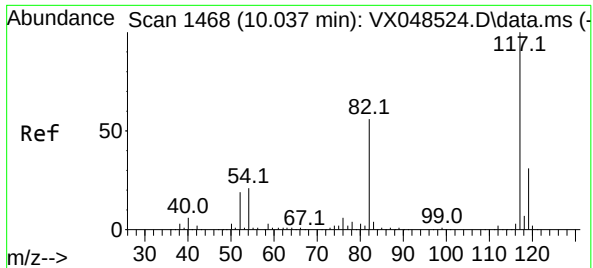
Tgt Ion: 98 Resp: 495865
Ion Ratio Lower Upper
98 100
100 66.5 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 56.027 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048556.D
Acq: 11 Nov 2025 12:04

Tgt Ion: 95 Resp: 207015
Ion Ratio Lower Upper
95 100
174 81.9 0.0 161.8
176 79.4 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048556.D

Acq: 11 Nov 2025 12:04

Instrument :

MSVOA_X

ClientSampleId :

SEEP-1

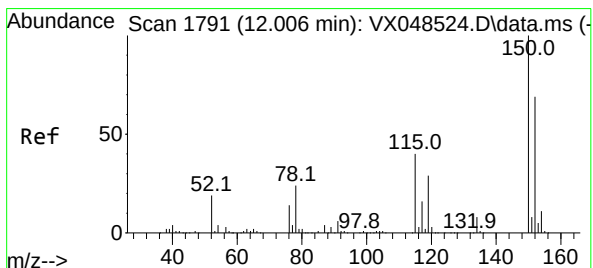
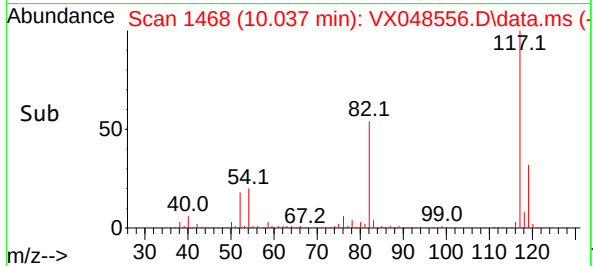
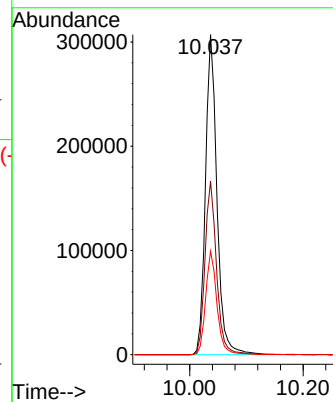
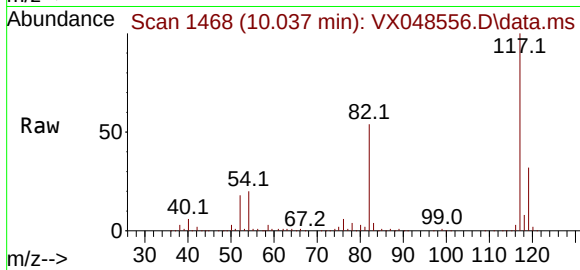
Tgt Ion:117 Resp: 432332

Ion Ratio Lower Upper

117 100

82 54.2 44.4 66.6

119 32.4 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048556.D

Acq: 11 Nov 2025 12:04

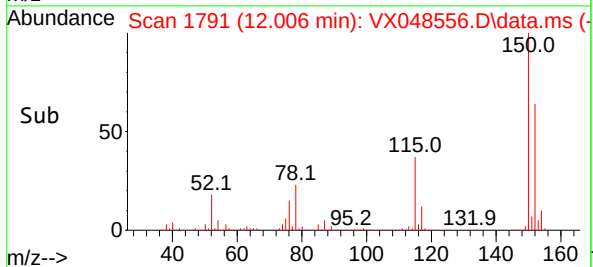
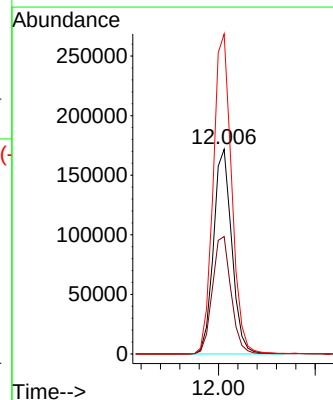
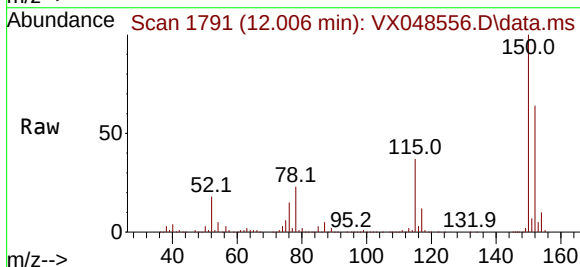
Tgt Ion:152 Resp: 225901

Ion Ratio Lower Upper

152 100

115 58.7 39.2 117.6

150 158.2 0.0 347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048556.D
Acq On : 11 Nov 2025 12:04
Operator : JC/MD
Sample : Q3584-07 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SEEP-1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048556.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.532	555	565	576	rBV2	11321	42743	3.23%	0.587%
2	5.373	691	703	720	rBV	134775	443613	33.49%	6.091%
3	5.538	720	730	758	rVB	192286	615429	46.46%	8.450%
4	5.940	786	796	824	rBV	133005	406872	30.71%	5.586%
5	6.745	918	928	945	rBV	353929	926263	69.92%	12.717%
6	8.635	1231	1238	1248	rBV	766524	1271416	95.97%	17.456%
7	10.037	1462	1468	1484	rBV	898667	1272488	96.05%	17.471%
8	11.061	1631	1636	1654	rBV	697122	980022	73.98%	13.455%
9	12.006	1785	1791	1802	rBV	970353	1324767	100.00%	18.188%

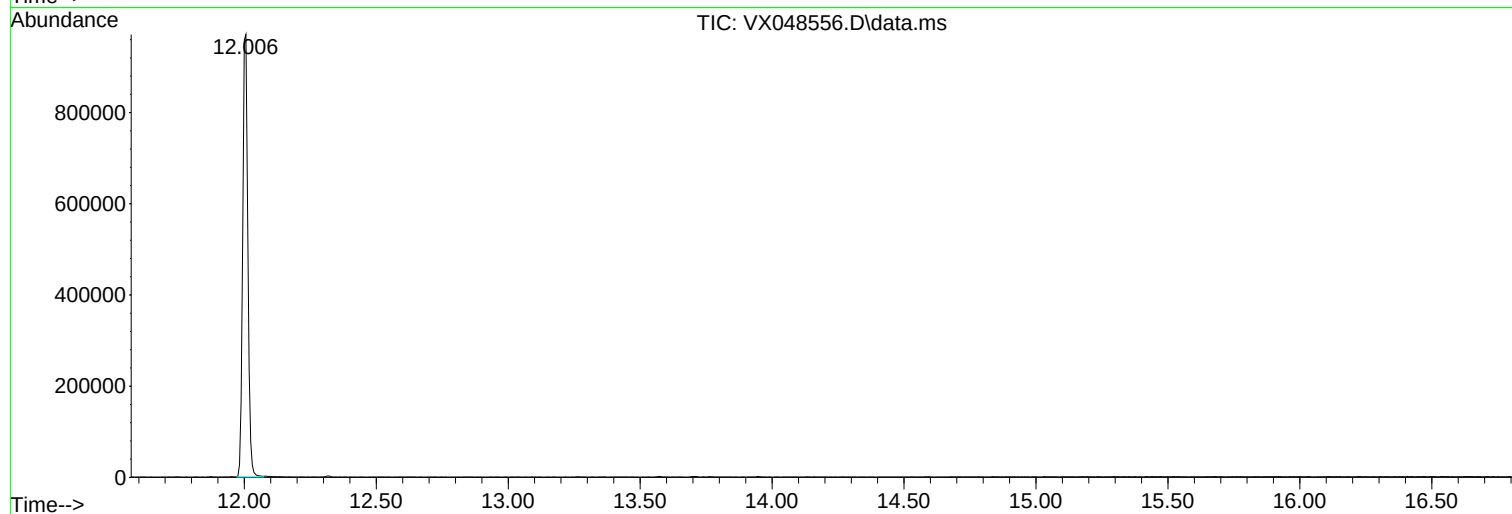
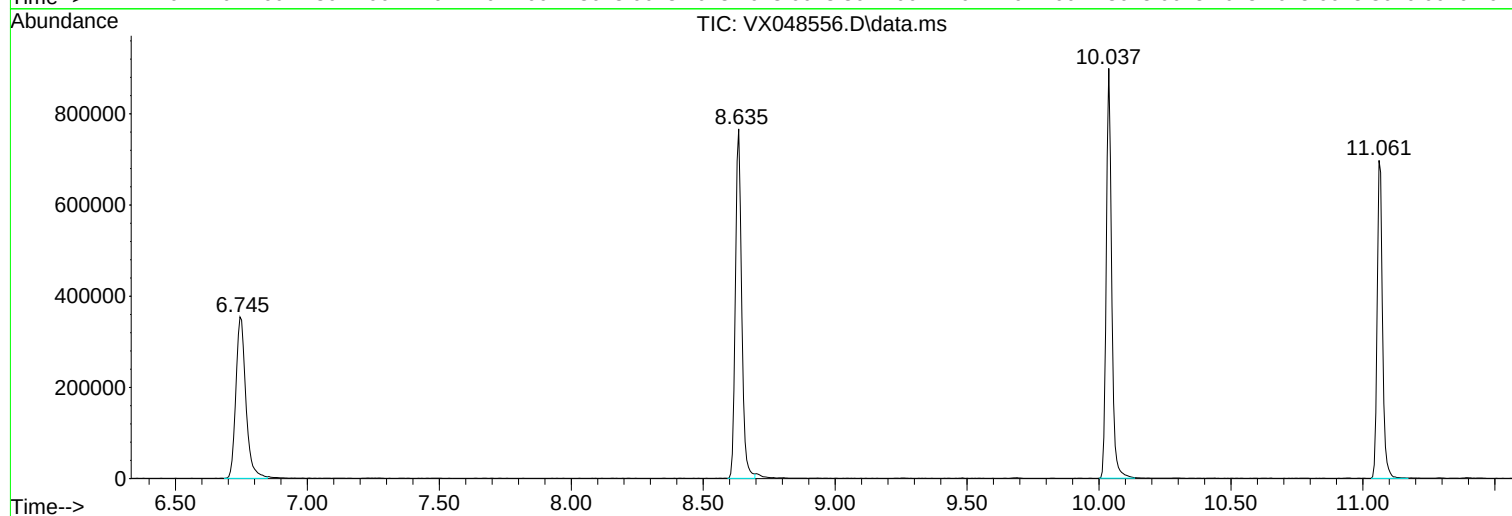
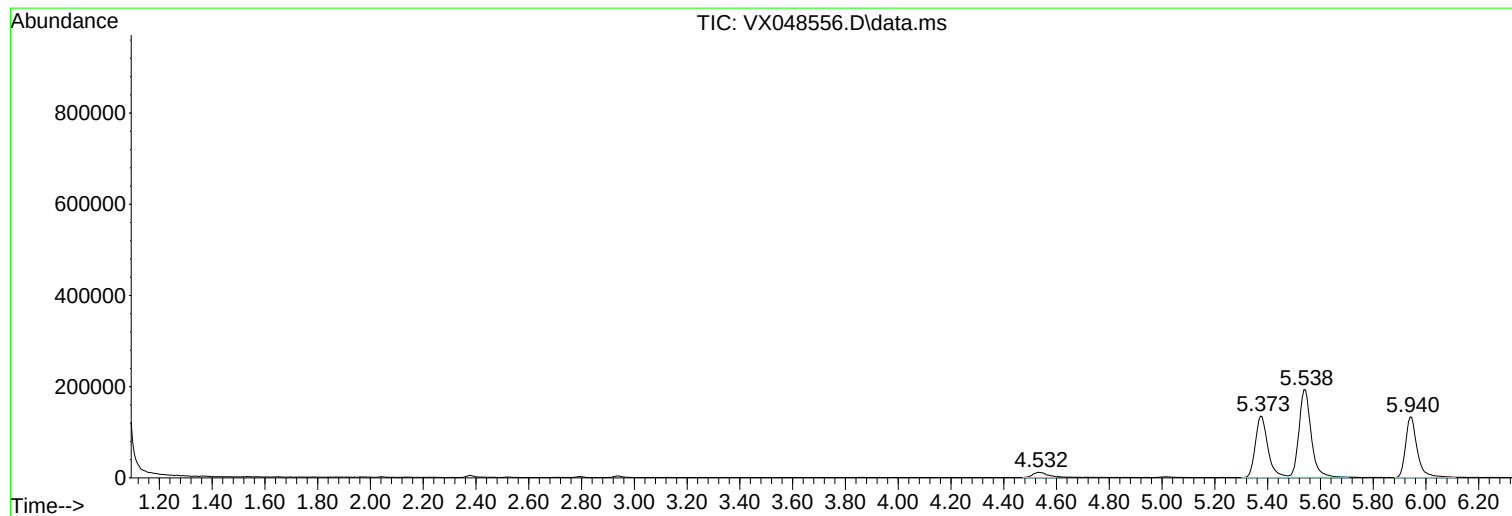
Sum of corrected areas: 7283613

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048556.D
Acq On : 11 Nov 2025 12:04
Operator : JC/MD
Sample : Q3584-07 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SEEP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048556.D
Acq On : 11 Nov 2025 12:04
Operator : JC/MD
Sample : Q3584-07 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SEEP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.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_X\Data\VX111125\
Data File : VX048556.D
Acq On : 11 Nov 2025 12:04
Operator : JC/MD
Sample : Q3584-07 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SEEP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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CALIBRATION SUMMARY



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.: Q3584
 Instrument ID: MSVOA_X Calibration Date(s): 11/07/2025 11/07/2025
 Heated Purge: (Y/N) N Calibration Time(s): 13:35 16:29
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX048516.D		RRF005 = VX048517.D		RRF020 = VX048518.D			
		RRF100 = VX048520.D		RRF150 = VX048521.D		RRF050 = VX048524.D			
COMPOUND	RRF001	RRF005	RRF020	RRF100	RRF150	RRF050	RRF	% RSD	
Dichlorodifluoromethane	0.365	0.364	0.352	0.452	0.474	0.424	0.405	12.8	
Chloromethane	0.603	0.457	0.425	0.581	0.565	0.592	0.537	14.2	
Vinyl Chloride	0.666	0.579	0.608	0.601	0.597	0.600	0.608	4.9	
Bromomethane		0.468	0.417	0.323	0.287	0.426	0.384	19.8	
Chloroethane	0.465	0.419	0.397	0.370	0.357	0.383	0.398	9.8	
Trichlorofluoromethane	0.982	1.030	1.019	0.919	0.939	0.886	0.963	6	
1,1,2-Trichlorotrifluoroethane	0.552	0.556	0.616	0.546	0.558	0.515	0.557	5.9	
1,1-Dichloroethene	0.669	0.584	0.591	0.555	0.548	0.545	0.582	8	
Acetone	0.383	0.318	0.318	0.317	0.313	0.330	0.330	8.1	
Carbon Disulfide	2.045	1.739	1.609	1.468	1.477	1.489	1.638	13.7	
Methyl tert-butyl Ether	2.163	2.158	2.049	1.984	1.861	2.117	2.055	5.7	
Methyl Acetate	1.195	0.876	0.857	0.818	0.823	0.869	0.906	15.8	
Methylene Chloride	0.845	0.689	0.663	0.624	0.595	0.653	0.678	13	
trans-1,2-Dichloroethene	0.700	0.650	0.612	0.585	0.557	0.598	0.617	8.3	
1,1-Dichloroethane	1.255	1.247	1.124	1.083	1.041	1.102	1.142	7.8	
Cyclohexane		1.001	1.004	0.896	0.910	0.867	0.936	6.7	
2-Butanone	0.474	0.502	0.511	0.470	0.465	0.506	0.488	4.2	
Carbon Tetrachloride	0.640	0.766	0.546	0.520	0.504	0.486	0.577	18.6	
cis-1,2-Dichloroethene	0.888	0.787	0.737	0.703	0.684	0.725	0.754	9.9	
Bromochloromethane	0.640	0.630	0.533	0.522	0.497	0.543	0.561	10.6	
Chloroform	1.357	1.277	1.162	1.105	1.052	1.120	1.179	9.8	
1,1,1-Trichloroethane	1.160	1.087	1.026	0.979	0.947	0.973	1.029	7.9	
Methylcyclohexane	0.585	0.607	0.558	0.561	0.592	0.510	0.569	6	
Benzene	1.745	2.038	1.468	1.396	1.369	1.408	1.571	17	
1,2-Dichloroethane	0.540	0.721	0.525	0.489	0.473	0.481	0.538	17.3	
Trichloroethene	0.423	0.390	0.356	0.366	0.363	0.355	0.375	7.1	
1,2-Dichloropropane	0.417	0.381	0.319	0.352	0.340	0.358	0.361	9.5	
Bromodichloromethane	0.517	0.598	0.446	0.539	0.510	0.543	0.526	9.5	
4-Methyl-2-Pentanone	0.505	0.667	0.514	0.573	0.546	0.620	0.571	11	
Toluene	0.709	0.955	0.710	0.868	0.843	0.877	0.827	11.9	

* 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.



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.: Q3584
 Instrument ID: MSVOA_X Calibration Date(s): 11/07/2025 11/07/2025
 Heated Purge: (Y/N) N Calibration Time(s): 13:35 16:29
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX048516.D		RRF005 = VX048517.D		RRF020 = VX048518.D			
		RRF100 = VX048520.D		RRF150 = VX048521.D		RRF050 = VX048524.D			
COMPOUND	RRF001	RRF005	RRF020	RRF100	RRF150	RRF050	RRF	% RSD	
t-1,3-Dichloropropene	0.513	0.609	0.452	0.561	0.542	0.572	0.541	10	
cis-1,3-Dichloropropene	0.472	0.633	0.481	0.595	0.578	0.606	0.561	12.1	
1,1,2-Trichloroethane	0.289	0.373	0.286	0.345	0.329	0.361	0.330	11.1	
2-Hexanone	0.360	0.487	0.390	0.429	0.416	0.464	0.425	11	
Dibromochloromethane	0.347	0.468	0.351	0.428	0.404	0.436	0.406	12	
1,2-Dibromoethane	0.309	0.417	0.308	0.374	0.358	0.381	0.358	11.9	
Tetrachloroethene	0.444	0.364	0.352	0.344	0.348	0.327	0.363	11.4	
Chlorobenzene	1.406	1.245	1.153	1.112	1.105	1.101	1.187	10.1	
Ethyl Benzene	2.253	2.045	1.976	1.899	1.898	1.887	1.993	7.1	
m/p-Xylenes	0.764	0.793	0.758	0.736	0.733	0.720	0.751	3.5	
o-Xylene	0.795	0.746	0.721	0.714	0.726	0.703	0.734	4.5	
Styrene	1.228	1.256	1.227	1.226	1.244	1.210	1.232	1.3	
Bromoform	0.427	0.350	0.345	0.359	0.373	0.348	0.367	8.4	
Isopropylbenzene	3.857	3.727	3.683	3.551	3.492	3.466	3.629	4.2	
1,1,2,2-Tetrachloroethane	1.544	1.284	1.230	1.207	1.185	1.229	1.280	10.4	
1,3-Dichlorobenzene	2.076	1.785	1.686	1.680	1.668	1.644	1.756	9.3	
1,4-Dichlorobenzene	2.329	1.860	1.676	1.671	1.672	1.678	1.814	14.5	
1,2-Dichlorobenzene	1.944	1.695	1.611	1.627	1.616	1.624	1.686	7.7	
1,2-Dibromo-3-Chloropropane	0.304	0.308	0.294	0.298	0.285	0.297	0.297	2.7	
1,2,4-Trichlorobenzene	1.353	1.032	1.057	1.097	1.117	1.066	1.120	10.5	
1,2,3-Trichlorobenzene	1.170	0.973	0.994	1.049	1.051	1.016	1.042	6.7	
1,2-Dichloroethane-d4		0.775	0.723	0.677	0.623	0.685	0.697	8.1	
Dibromofluoromethane		0.484	0.374	0.356	0.327	0.351	0.378	16.2	
Toluene-d8		1.341	1.021	1.210	1.128	1.202	1.180	10	
4-Bromofluorobenzene		0.523	0.365	0.445	0.423	0.443	0.440	12.9	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X110725W.M
 Title : SW846 8260
 Last Update : Sat Nov 08 05:08:11 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX048516.D 5 =VX048517.D 20 =VX048518.D 50 =VX048524.D 100 =VX048520.D 150 =VX048521.D

Compound		1	5	20	50	100	150	Avg	%RSD

1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.365	0.364	0.352	0.424	0.452	0.474	0.405	12.78
3) P	Chloromethane	0.603	0.457	0.425	0.592	0.581	0.565	0.537	14.19
4) C	Vinyl Chloride	0.666	0.579	0.608	0.600	0.601	0.597	0.608	4.86#
5) T	Bromomethane		0.468	0.417	0.426	0.323	0.287	0.384	19.75
6) T	Chloroethane	0.465	0.419	0.397	0.383	0.370	0.357	0.398	9.77
7) T	Trichlorofluor...	0.982	1.030	1.019	0.886	0.919	0.939	0.963	5.98
8) T	Diethyl Ether	0.397	0.420	0.379	0.393	0.376	0.353	0.386	5.87
9) T	1,1,2-Trichlor...	0.552	0.556	0.616	0.515	0.546	0.558	0.557	5.91
10) T	Methyl Iodide		0.833	0.822	0.824	0.836	0.808	0.825	1.34
11) T	Tert butyl alc...		0.129	0.133	0.138	0.132	0.127	0.132	3.25
12) CM	1,1-Dichloroet...	0.669	0.584	0.591	0.545	0.555	0.548	0.582	8.02#
13) T	Acrolein		0.023	0.015	0.020	0.017	0.020	0.019	16.42
14) T	Allyl chloride	1.243	1.129	1.065	1.048	1.010	1.008	1.084	8.27
15) T	Acrylonitrile	0.405	0.383	0.395	0.403	0.370	0.356	0.385	5.05
16) T	Acetone	0.383	0.318	0.318	0.330	0.317	0.313	0.330	8.07
17) T	Carbon Disulfide	2.045	1.739	1.609	1.489	1.468	1.477	1.638	13.75
18) T	Methyl Acetate	1.195	0.876	0.857	0.869	0.818	0.823	0.906	15.80
19) T	Methyl tert-bu...	2.163	2.158	2.049	2.117	1.984	1.861	2.055	5.70
20) T	Methylene Chlo...	0.845	0.689	0.663	0.653	0.624	0.595	0.678	13.00
21) T	trans-1,2-Dich...	0.700	0.650	0.612	0.598	0.585	0.557	0.617	8.29
22) T	Diisopropyl ether	2.220	2.180	2.105	2.064	1.977	1.939	2.081	5.30
23) T	Vinyl Acetate	1.912	1.901	1.838	1.827	1.747	1.710	1.822	4.43
24) P	1,1-Dichloroet...	1.255	1.247	1.124	1.102	1.083	1.041	1.142	7.77
25) T	2-Butanone	0.474	0.502	0.511	0.506	0.470	0.465	0.488	4.20
26) T	2,2-Dichloropr...	1.079	1.044	0.975	0.883	0.934	0.925	0.973	7.71
27) T	cis-1,2-Dichlo...	0.888	0.787	0.737	0.725	0.703	0.684	0.754	9.90
28) T	Bromochloromet...	0.640	0.630	0.533	0.543	0.522	0.497	0.561	10.61
29) T	Tetrahydrofuran	0.406	0.357	0.350	0.349	0.321	0.306	0.348	9.91
30) C	Chloroform	1.357	1.277	1.162	1.120	1.105	1.052	1.179	9.79#
31) T	Cyclohexane		1.001	1.004	0.867	0.896	0.910	0.936	6.73
32) T	1,1,1-Trichlor...	1.160	1.087	1.026	0.973	0.979	0.947	1.029	7.90
33) S	1,2-Dichloroet...		0.775	0.723	0.685	0.677	0.623	0.697	8.08
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.484	0.374	0.351	0.356	0.327	0.378	16.22
36) T	1,1-Dichloropr...	0.548	0.664	0.499	0.427	0.453	0.449	0.507	17.46
37) T	Ethyl Acetate	0.748	0.901	0.676	0.667	0.648	0.639	0.713	13.96
38) T	Carbon Tetrach...	0.640	0.766	0.546	0.486	0.520	0.504	0.577	18.63
39) T	Methylcyclohexane	0.585	0.607	0.558	0.510	0.561	0.592	0.569	6.00
40) TM	Benzene	1.745	2.038	1.468	1.408	1.396	1.369	1.571	16.99
41) T	Methacrylonitrile	0.315	0.406	0.310	0.295	0.276	0.280	0.314	15.30
42) TM	1,2-Dichloroet...	0.540	0.721	0.525	0.481	0.489	0.473	0.538	17.33
43) T	Isopropyl Acetate	1.009	1.298	0.958	0.929	0.908	0.914	1.003	14.92
44) TM	Trichloroethene	0.423	0.390	0.356	0.355	0.366	0.363	0.375	7.10
45) C	1,2-Dichloropr...	0.417	0.381	0.319	0.358	0.352	0.340	0.361	9.45#
46) T	Dibromomethane	0.278	0.303	0.217	0.268	0.264	0.251	0.263	10.84
47) T	Bromodichlorom...	0.517	0.598	0.446	0.543	0.539	0.510	0.526	9.49
48) T	Methyl methacr...	0.467	0.476	0.385	0.462	0.448	0.435	0.446	7.40
49) T	1,4-Dioxane	0.006	0.007	0.006	0.007	0.008	0.007	0.007	12.02
50) S	Toluene-d8		1.341	1.021	1.202	1.210	1.128	1.180	9.96
51) T	4-Methyl-2-Pen...	0.505	0.667	0.514	0.620	0.573	0.546	0.571	11.02
52) CM	Toluene	0.709	0.955	0.710	0.877	0.868	0.843	0.827	11.87#
53) T	t-1,3-Dichloro...	0.513	0.609	0.452	0.572	0.561	0.542	0.541	10.02
54) T	cis-1,3-Dichlo...	0.472	0.633	0.481	0.606	0.595	0.578	0.561	12.05
55) T	1,1,2-Trichlor...	0.289	0.373	0.286	0.361	0.345	0.329	0.330	11.11
56) T	Ethyl methacry...	0.446	0.594	0.474	0.618	0.594	0.573	0.550	13.05

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X110725W.M

57)	T	1,3-Dichloropr...	0.529	0.674	0.498	0.618	0.581	0.551	0.575	11.11
58)	T	2-Chloroethyl ...	0.229	0.301	0.251	0.354	0.327	0.311	0.296	15.90
59)	T	2-Hexanone	0.360	0.487	0.390	0.464	0.429	0.416	0.425	10.96
60)	T	Dibromochlorom...	0.347	0.468	0.351	0.436	0.428	0.404	0.406	11.97
61)	T	1,2-Dibromoethane	0.309	0.417	0.308	0.381	0.374	0.358	0.358	11.93
62)	S	4-Bromofluorob...	0.523	0.365	0.443	0.445	0.423	0.440		12.88
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.444	0.364	0.352	0.327	0.344	0.348	0.363	11.38
65)	PM	Chlorobenzene	1.406	1.245	1.153	1.101	1.112	1.105	1.187	10.12
66)	T	1,1,1,2-Tetrac...	0.396	0.420	0.389	0.392	0.398	0.391	0.398	2.88
67)	C	Ethyl Benzene	2.253	2.045	1.976	1.887	1.899	1.898	1.993	7.08#
68)	T	m/p-Xylenes	0.764	0.793	0.758	0.720	0.736	0.733	0.751	3.49
69)	T	o-Xylene	0.795	0.746	0.721	0.703	0.714	0.726	0.734	4.50
70)	T	Styrene	1.228	1.256	1.227	1.210	1.226	1.244	1.232	1.30
71)	P	Bromoform	0.427	0.350	0.345	0.348	0.359	0.373	0.367	8.43
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.857	3.727	3.683	3.466	3.551	3.492	3.629	4.20
74)	T	N-amyl acetate	1.998	1.826	1.851	1.793	1.739	1.727	1.822	5.41
75)	P	1,1,2,2-Tetrac...	1.544	1.284	1.230	1.229	1.207	1.185	1.280	10.45
76)	T	1,2,3-Trichlor...	1.270	1.113	1.134	1.470	1.128	1.112	1.205	11.88
77)	T	Bromobenzene	1.054	0.961	0.913	0.909	0.909	0.877	0.937	6.74
78)	T	n-propylbenzene	4.682	4.356	4.371	4.027	4.097	4.073	4.268	5.89
79)	T	2-Chlorotoluene	2.995	2.601	2.565	2.437	2.493	2.382	2.579	8.50
80)	T	1,3,5-Trimethy...	3.172	2.990	3.003	2.819	2.913	2.855	2.959	4.30
81)	T	trans-1,4-Dich...	0.376	0.398	0.433	0.444	0.454	0.421		7.75
82)	T	4-Chlorotoluene	3.437	3.105	2.985	2.866	2.916	2.842	3.025	7.37
83)	T	tert-Butylbenzene	3.231	3.058	3.080	2.945	3.036	3.010	3.060	3.13
84)	T	1,2,4-Trimethy...	3.224	2.963	2.991	2.897	2.951	2.886	2.985	4.14
85)	T	sec-Butylbenzene	4.137	3.883	3.841	3.496	3.643	3.693	3.782	5.90
86)	T	p-Isopropyltol...	3.445	3.138	3.226	2.988	3.123	3.159	3.180	4.76
87)	T	1,3-Dichlorobe...	2.076	1.785	1.686	1.644	1.680	1.668	1.756	9.34
88)	T	1,4-Dichlorobe...	2.329	1.860	1.676	1.678	1.671	1.672	1.814	14.49
89)	T	n-Butylbenzene	3.281	3.038	3.007	2.718	2.883	2.972	2.983	6.23
90)	T	Hexachloroethane	0.679	0.611	0.600	0.551	0.597	0.596	0.606	6.82
91)	T	1,2-Dichlorobe...	1.944	1.695	1.611	1.624	1.627	1.616	1.686	7.71
92)	T	1,2-Dibromo-3-...	0.304	0.308	0.294	0.297	0.298	0.285	0.297	2.66
93)	T	1,2,4-Trichlor...	1.353	1.032	1.057	1.066	1.097	1.117	1.120	10.53
94)	T	Hexachlorobuta...	0.611	0.467	0.450	0.406	0.421	0.455	0.468	15.66
95)	T	Naphthalene	3.675	3.299	3.529	3.700	3.732	3.682	3.603	4.56
96)	T	1,2,3-Trichlor...	1.170	0.973	0.994	1.016	1.049	1.051	1.042	6.70

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048516.D
 Acq On : 07 Nov 2025 13:35
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	195603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	335919	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	223304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110981	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	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.172	85	1427	0.900	ug/l	95
3) Chloromethane	1.300	50	2360	1.123	ug/l #	87
4) Vinyl Chloride	1.380	62	2604	1.094	ug/l	99
6) Chloroethane	1.697	64	1819	1.167	ug/l #	77
7) Trichlorofluoromethane	1.892	101	3842	1.020	ug/l	98
8) Diethyl Ether	2.130	74	1554	1.028	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	2160	0.991	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	2617	1.149	ug/l #	86
14) Allyl chloride	2.666	41	4862	1.147	ug/l	95
15) Acrylonitrile	3.056	53	7915	5.250	ug/l	97
16) Acetone	2.373	43	7490	5.805	ug/l	98
17) Carbon Disulfide	2.514	76	8000	1.249	ug/l #	93
18) Methyl Acetate	2.703	43	4673	1.318	ug/l	93
19) Methyl tert-butyl Ether	3.105	73	8461	1.052	ug/l #	89
20) Methylene Chloride	2.788	84	3307	1.247	ug/l #	87
21) trans-1,2-Dichloroethene	3.087	96	2739	1.135	ug/l	97
22) Diisopropyl ether	3.757	45	8684	1.067	ug/l	86
23) Vinyl Acetate	3.721	43	37398	5.246	ug/l	97
24) 1,1-Dichloroethane	3.605	63	4909	1.099	ug/l	95
25) 2-Butanone	4.544	43	9269	4.857	ug/l	95
26) 2,2-Dichloropropane	4.464	77	4220	1.108	ug/l	92
27) cis-1,2-Dichloroethene	4.477	96	3475	1.178	ug/l	96
28) Bromochloromethane	4.885	49	2504	1.141	ug/l #	99
29) Tetrahydrofuran	4.995	42	7932	5.835	ug/l	92
30) Chloroform	5.080	83	5308	1.151	ug/l	84
32) 1,1,1-Trichloroethane	5.367	97	4539	1.128	ug/l #	49
36) 1,1-Dichloropropene	5.678	75	3685	1.082	ug/l	99
37) Ethyl Acetate	4.714	43	5027	1.049	ug/l #	88
38) Carbon Tetrachloride	5.659	117	4298	1.109	ug/l	89
39) Methylcyclohexane	7.360	83	3932	1.029	ug/l #	88
40) Benzene	6.025	78	11724	1.111	ug/l	98
41) Methacrylonitrile	4.910	41	2117	1.005	ug/l #	74
42) 1,2-Dichloroethane	6.068	62	3627	1.003	ug/l	94
43) Isopropyl Acetate	6.330	43	6781	1.007	ug/l	94
44) Trichloroethene	7.110	130	2845	1.128	ug/l	76
45) 1,2-Dichloropropane	7.409	63	2802	1.155	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048516.D
 Acq On : 07 Nov 2025 13:35
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

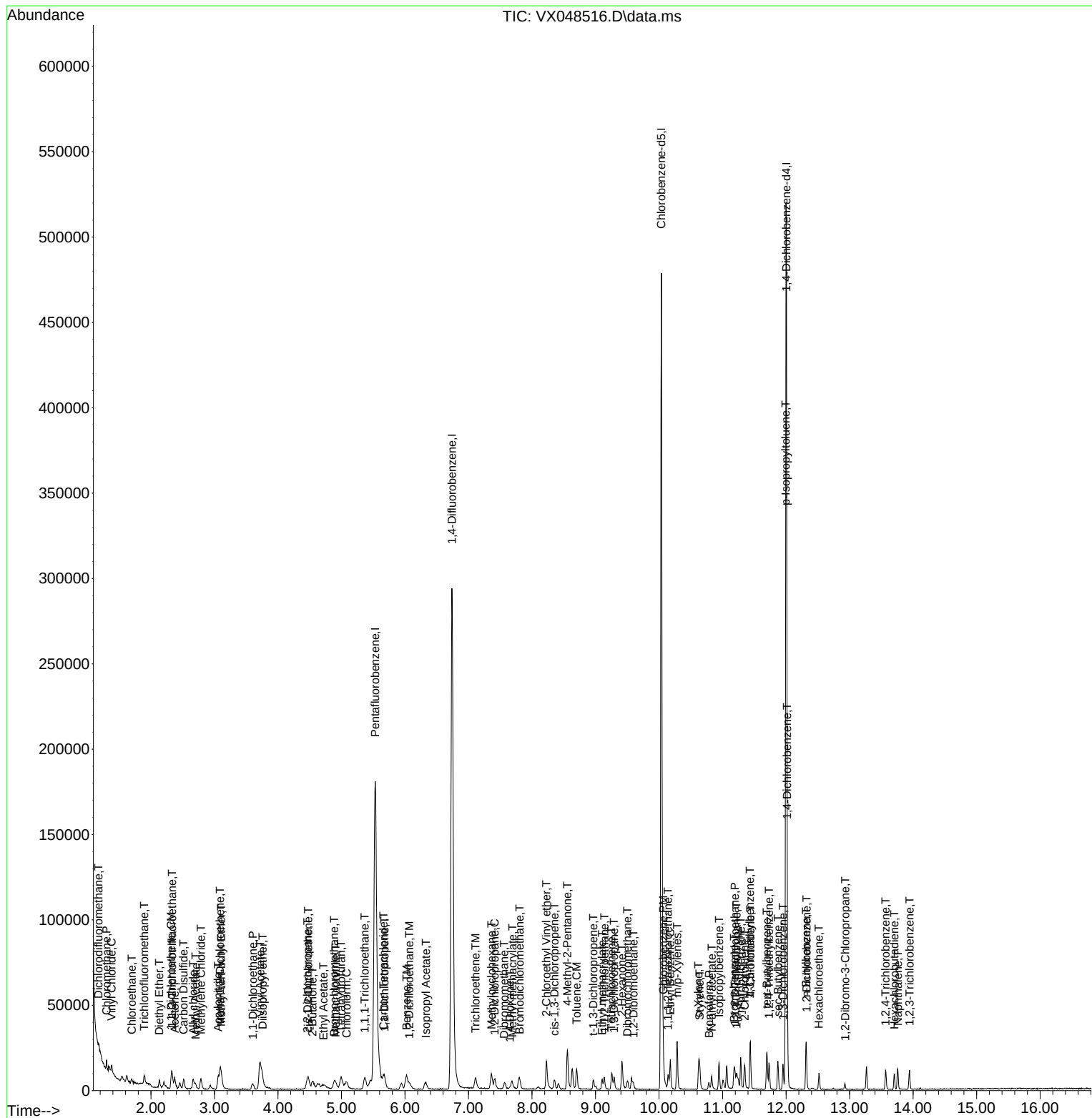
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.561	93	1870	1.057	ug/l	97
47) Bromodichloromethane	7.805	83	3471	0.983	ug/l #	73
48) Methyl methacrylate	7.690	41	3138	1.048	ug/l	90
49) 1,4-Dioxane	7.653	88	811	17.773	ug/l #	86
51) 4-Methyl-2-Pentanone	8.555	43	16970	4.426	ug/l	90
52) Toluene	8.702	92	4764	0.857	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	3445	0.947	ug/l #	86
54) cis-1,3-Dichloropropene	8.354	75	3173	0.842	ug/l #	78
55) 1,1,2-Trichloroethane	9.140	97	1939	0.874	ug/l #	87
56) Ethyl methacrylate	9.104	69	2995	0.811	ug/l #	89
57) 1,3-Dichloropropane	9.293	76	3551	0.919	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	7704m	3.915	ug/l	
59) 2-Hexanone	9.415	43	12104	4.243	ug/l	91
60) Dibromochloromethane	9.500	129	2328	0.854	ug/l	92
61) 1,2-Dibromoethane	9.598	107	2078	0.864	ug/l	87
64) Tetrachloroethene	9.250	164	1983	1.223	ug/l #	83
65) Chlorobenzene	10.067	112	6278	1.184	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.140	131	1769	0.996	ug/l #	55
67) Ethyl Benzene	10.177	91	10060	1.130	ug/l	96
68) m/p-Xylenes	10.287	106	6820	2.035	ug/l	96
69) o-Xylene	10.622	106	3552	1.083	ug/l	98
70) Styrene	10.640	104	5483	0.997	ug/l	94
71) Bromoform	10.787	173	1905	1.163	ug/l #	89
73) Isopropylbenzene	10.945	105	8562	1.063	ug/l	99
74) N-amyl acetate	10.829	43	4435	1.096	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.195	83	3428	1.207	ug/l	97
76) 1,2,3-Trichloropropane	11.219	75	2820m	1.192	ug/l	
77) Bromobenzene	11.183	156	2339	1.124	ug/l	98
78) n-propylbenzene	11.286	91	10393	1.097	ug/l	99
79) 2-Chlorotoluene	11.347	91	6648	1.161	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	7041	1.072	ug/l	94
82) 4-Chlorotoluene	11.439	91	7628	1.136	ug/l	97
83) tert-Butylbenzene	11.695	119	7172	1.056	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	7156	1.080	ug/l	97
85) sec-Butylbenzene	11.872	105	9183	1.094	ug/l	96
86) p-Isopropyltoluene	11.994	119	7646	1.083	ug/l	92
87) 1,3-Dichlorobenzene	11.951	146	4609	1.182	ug/l	96
88) 1,4-Dichlorobenzene	12.018	146	5170m	1.314	ug/l	
89) n-Butylbenzene	12.317	91	7282	1.100	ug/l	94
90) Hexachloroethane	12.518	117	1507	1.121	ug/l	95
91) 1,2-Dichlorobenzene	12.323	146	4315	1.153	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.932	75	674	1.021	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	3004	1.208	ug/l	96
94) Hexachlorobutadiene	13.707	225	1356	1.304	ug/l	97
95) Naphthalene	13.762	128	8156	1.020	ug/l	98
96) 1,2,3-Trichlorobenzene	13.944	180	2598	1.123	ug/l	89

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048517.D
 Acq On : 07 Nov 2025 13:56
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	193270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	250338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	225597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	14969	5.558	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.120%#		
35) Dibromofluoromethane	5.373	113	12118	6.396	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	12.800%#		
50) Toluene-d8	8.635	98	33563	5.680	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	11.360%#		
62) 4-Bromofluorobenzene	11.061	95	13095	5.946	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.900%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	7029	4.488	ug/l	98
3) Chloromethane	1.301	50	8841	4.256	ug/l	89
4) Vinyl Chloride	1.380	62	11197	4.761	ug/l	89
5) Bromomethane	1.611	94	9050	6.088	ug/l	100
6) Chloroethane	1.691	64	8089	5.252	ug/l	90
7) Trichlorofluoromethane	1.892	101	19916	5.353	ug/l	97
8) Diethyl Ether	2.136	74	8115	5.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	10746	4.989	ug/l	98
10) Methyl Iodide	2.453	142	16103	5.052	ug/l	94
11) Tert butyl alcohol	2.947	59	12490	24.476	ug/l	99
12) 1,1-Dichloroethene	2.325	96	11295	5.020	ug/l	90
13) Acrolein	2.246	56	2253	30.799	ug/l	94
14) Allyl chloride	2.666	41	21817	5.208	ug/l	95
15) Acrylonitrile	3.056	53	37042	24.865	ug/l	94
16) Acetone	2.374	43	30713	24.093	ug/l	98
17) Carbon Disulfide	2.514	76	33603	5.308	ug/l	99
18) Methyl Acetate	2.697	43	16930	4.833	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	41711	5.250	ug/l	98
20) Methylene Chloride	2.788	84	13313	5.080	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	12560	5.267	ug/l	87
22) Diisopropyl ether	3.751	45	42130	5.238	ug/l	92
23) Vinyl Acetate	3.715	43	183665	26.073	ug/l	95
24) 1,1-Dichloroethane	3.605	63	24095	5.459	ug/l	98
25) 2-Butanone	4.544	43	48544	25.742	ug/l	90
26) 2,2-Dichloropropane	4.471	77	20186	5.365	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	15219	5.221	ug/l	95
28) Bromochloromethane	4.885	49	12176	5.616	ug/l	96
29) Tetrahydrofuran	5.001	42	34508	25.691	ug/l	98
30) Chloroform	5.080	83	24671	5.415	ug/l	98
31) Cyclohexane	5.464	56	19337	5.347	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	21014	5.285	ug/l	98
36) 1,1-Dichloropropene	5.678	75	16623	6.552	ug/l	97
37) Ethyl Acetate	4.702	43	22548	6.314	ug/l	98
38) Carbon Tetrachloride	5.666	117	19186	6.643	ug/l #	97
39) Methylcyclohexane	7.367	83	15183	5.330	ug/l	95
40) Benzene	6.025	78	51007	6.486	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048517.D
 Acq On : 07 Nov 2025 13:56
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	10171	6.476	ug/l	99
42) 1,2-Dichloroethane	6.080	62	18051	6.699	ug/l	98
43) Isopropyl Acetate	6.324	43	32505	6.475	ug/l	96
44) Trichloroethene	7.117	130	9754	5.189	ug/l	97
45) 1,2-Dichloropropane	7.415	63	9530	5.270	ug/l	97
46) Dibromomethane	7.568	93	7573	5.742	ug/l	96
47) Bromodichloromethane	7.812	83	14970	5.690	ug/l #	97
48) Methyl methacrylate	7.684	41	11928	5.345	ug/l	93
49) 1,4-Dioxane	7.647	88	3476	102.220	ug/l #	93
51) 4-Methyl-2-Pentanone	8.555	43	83493	29.217	ug/l	95
52) Toluene	8.708	92	23897	5.772	ug/l	95
53) t-1,3-Dichloropropene	8.964	75	15253	5.626	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	15836	5.641	ug/l	92
55) 1,1,2-Trichloroethane	9.135	97	9348	5.651	ug/l	96
56) Ethyl methacrylate	9.104	69	14858	5.398	ug/l	89
57) 1,3-Dichloropropane	9.293	76	16872	5.860	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	37670m	25.686	ug/l	
59) 2-Hexanone	9.415	43	60936	28.666	ug/l	94
60) Dibromochloromethane	9.506	129	11712	5.766	ug/l	98
61) 1,2-Dibromoethane	9.598	107	10441	5.827	ug/l	100
64) Tetrachloroethene	9.256	164	8201	5.005	ug/l	98
65) Chlorobenzene	10.061	112	28081	5.244	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.147	131	9473	5.280	ug/l	94
67) Ethyl Benzene	10.177	91	46125	5.130	ug/l	98
68) m/p-Xylenes	10.287	106	35759	10.559	ug/l	100
69) o-Xylene	10.628	106	16824	5.078	ug/l	99
70) Styrene	10.640	104	28334	5.098	ug/l	97
71) Bromoform	10.787	173	7895	4.770	ug/l #	99
73) Isopropylbenzene	10.945	105	44193	5.134	ug/l	99
74) N-amyl acetate	10.829	43	21656	5.011	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	15227	5.017	ug/l	100
76) 1,2,3-Trichloropropane	11.226	75	13198m	5.220	ug/l	
77) Bromobenzene	11.183	156	11396	5.127	ug/l	99
78) n-propylbenzene	11.287	91	51649	5.103	ug/l	100
79) 2-Chlorotoluene	11.348	91	30839	5.043	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	35455	5.053	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	4463	4.469	ug/l #	80
82) 4-Chlorotoluene	11.439	91	36813	5.132	ug/l	99
83) tert-Butylbenzene	11.695	119	36264	4.997	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	35130	4.962	ug/l	100
85) sec-Butylbenzene	11.872	105	46046	5.133	ug/l	100
86) p-Isopropyltoluene	11.994	119	37206	4.934	ug/l	97
87) 1,3-Dichlorobenzene	11.951	146	21165	5.081	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	22051	5.247	ug/l	95
89) n-Butylbenzene	12.317	91	36025	5.092	ug/l	98
90) Hexachloroethane	12.518	117	7251	5.047	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	20105	5.028	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	3647	5.170	ug/l	90
93) 1,2,4-Trichlorobenzene	13.573	180	12241	4.606	ug/l	99
94) Hexachlorobutadiene	13.707	225	5537	4.984	ug/l	99
95) Naphthalene	13.756	128	39122	4.579	ug/l	98
96) 1,2,3-Trichlorobenzene	13.945	180	11538	4.668	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048517.D
Acq On : 07 Nov 2025 13:56
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048518.D
 Acq On : 07 Nov 2025 14:16
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 08 04:39:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	203076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	331319	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	58757	20.764	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	41.520%#		
35) Dibromofluoromethane	5.373	113	49531	19.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.500%#		
50) Toluene-d8	8.635	98	135275	17.297	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	34.600%#		
62) 4-Bromofluorobenzene	11.061	95	48386	16.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	33.200%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	28628	17.397	ug/l	98
3) Chloromethane	1.301	50	34522	15.817	ug/l	99
4) Vinyl Chloride	1.380	62	49358	19.974	ug/l	97
5) Bromomethane	1.618	94	33868	21.683	ug/l	98
6) Chloroethane	1.697	64	32257	19.932	ug/l	98
7) Trichlorofluoromethane	1.898	101	82782	21.175	ug/l	95
8) Diethyl Ether	2.136	74	30818	19.639	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.337	101	50073	22.124	ug/l	97
10) Methyl Iodide	2.459	142	66788	19.940	ug/l	100
11) Tert butyl alcohol	2.941	59	53988	100.687	ug/l	98
12) 1,1-Dichloroethene	2.325	96	48003	20.306	ug/l	95
13) Acrolein	2.239	56	6094m	79.282	ug/l	
14) Allyl chloride	2.666	41	86510	19.655	ug/l	97
15) Acrylonitrile	3.056	53	160471	102.519	ug/l	99
16) Acetone	2.374	43	129334	96.557	ug/l	97
17) Carbon Disulfide	2.514	76	130735	19.652	ug/l	99
18) Methyl Acetate	2.697	43	69637	18.918	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	166418	19.935	ug/l	100
20) Methylene Chloride	2.788	84	53829	19.547	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	49731	19.848	ug/l	98
22) Diisopropyl ether	3.751	45	170973	20.230	ug/l	98
23) Vinyl Acetate	3.715	43	746382	100.838	ug/l	98
24) 1,1-Dichloroethane	3.605	63	91293	19.686	ug/l	98
25) 2-Butanone	4.538	43	207425	104.681	ug/l	98
26) 2,2-Dichloropropane	4.471	77	79199	20.032	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	59896	19.557	ug/l	98
28) Bromochloromethane	4.885	49	43296	19.005	ug/l	99
29) Tetrahydrofuran	4.989	42	142200	100.757	ug/l	98
30) Chloroform	5.087	83	94424	19.723	ug/l	98
31) Cyclohexane	5.464	56	81570	21.467	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	83345	19.948	ug/l	98
36) 1,1-Dichloropropene	5.684	75	66129	19.694	ug/l	97
37) Ethyl Acetate	4.696	43	89614	18.959	ug/l	100
38) Carbon Tetrachloride	5.666	117	72325	18.922	ug/l	98
39) Methylcyclohexane	7.367	83	73943	19.612	ug/l	99
40) Benzene	6.025	78	194589	18.695	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048518.D
 Acq On : 07 Nov 2025 14:16
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:39:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	41068	19.757	ug/l	97
42) 1,2-Dichloroethane	6.074	62	69540	19.499	ug/l	99
43) Isopropyl Acetate	6.324	43	126911	19.101	ug/l	99
44) Trichloroethene	7.117	130	47204	18.973	ug/l	99
45) 1,2-Dichloropropane	7.415	63	42265	17.660	ug/l	98
46) Dibromomethane	7.568	93	28753	16.472	ug/l	96
47) Bromodichloromethane	7.806	83	59084	16.967	ug/l	99
48) Methyl methacrylate	7.678	41	51074	17.292	ug/l	91
49) 1,4-Dioxane	7.641	88	14684	326.274	ug/l #	94
51) 4-Methyl-2-Pentanone	8.555	43	340555	90.045	ug/l	97
52) Toluene	8.702	92	94154	17.182	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	59921	16.700	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	63747	17.157	ug/l	93
55) 1,1,2-Trichloroethane	9.135	97	37862	17.293	ug/l	96
56) Ethyl methacrylate	9.098	69	62768	17.232	ug/l #	90
57) 1,3-Dichloropropane	9.293	76	65949	17.306	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	166309m	85.683	ug/l	
59) 2-Hexanone	9.415	43	258663	91.942	ug/l	96
60) Dibromochloromethane	9.506	129	46524	17.307	ug/l	97
61) 1,2-Dibromoethane	9.592	107	40837	17.221	ug/l	99
64) Tetrachloroethene	9.256	164	32666	19.383	ug/l	98
65) Chlorobenzene	10.061	112	106968	19.423	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	36079	19.552	ug/l	98
67) Ethyl Benzene	10.177	91	183401	19.832	ug/l	97
68) m/p-Xylenes	10.287	106	140701	40.397	ug/l	96
69) o-Xylene	10.628	106	66957	19.649	ug/l	98
70) Styrene	10.640	104	113854	19.917	ug/l	98
71) Bromoform	10.781	173	32046	18.824	ug/l #	98
73) Isopropylbenzene	10.945	105	177238	20.294	ug/l	98
74) N-amyl acetate	10.823	43	89078	20.313	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	59190	19.218	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	54573m	21.273	ug/l	
77) Bromobenzene	11.183	156	43931	19.480	ug/l	98
78) n-propylbenzene	11.287	91	210347	20.483	ug/l	98
79) 2-Chlorotoluene	11.348	91	123455	19.895	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	144509	20.297	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	19161	18.908	ug/l	90
82) 4-Chlorotoluene	11.439	91	143646	19.735	ug/l	99
83) tert-Butylbenzene	11.695	119	148245	20.131	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	143930	20.036	ug/l	100
85) sec-Butylbenzene	11.872	105	184842	20.309	ug/l	99
86) p-Isopropyltoluene	11.994	119	155276	20.293	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	81125	19.193	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	80643	18.910	ug/l	97
89) n-Butylbenzene	12.311	91	144697	20.158	ug/l	98
90) Hexachloroethane	12.518	117	28866	19.800	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	77511	19.103	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	14148	19.767	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	50883	18.871	ug/l	99
94) Hexachlorobutadiene	13.707	225	21648	19.206	ug/l	100
95) Naphthalene	13.756	128	169835	19.591	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	47818	19.066	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048518.D
Acq On : 07 Nov 2025 14:16
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:39:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

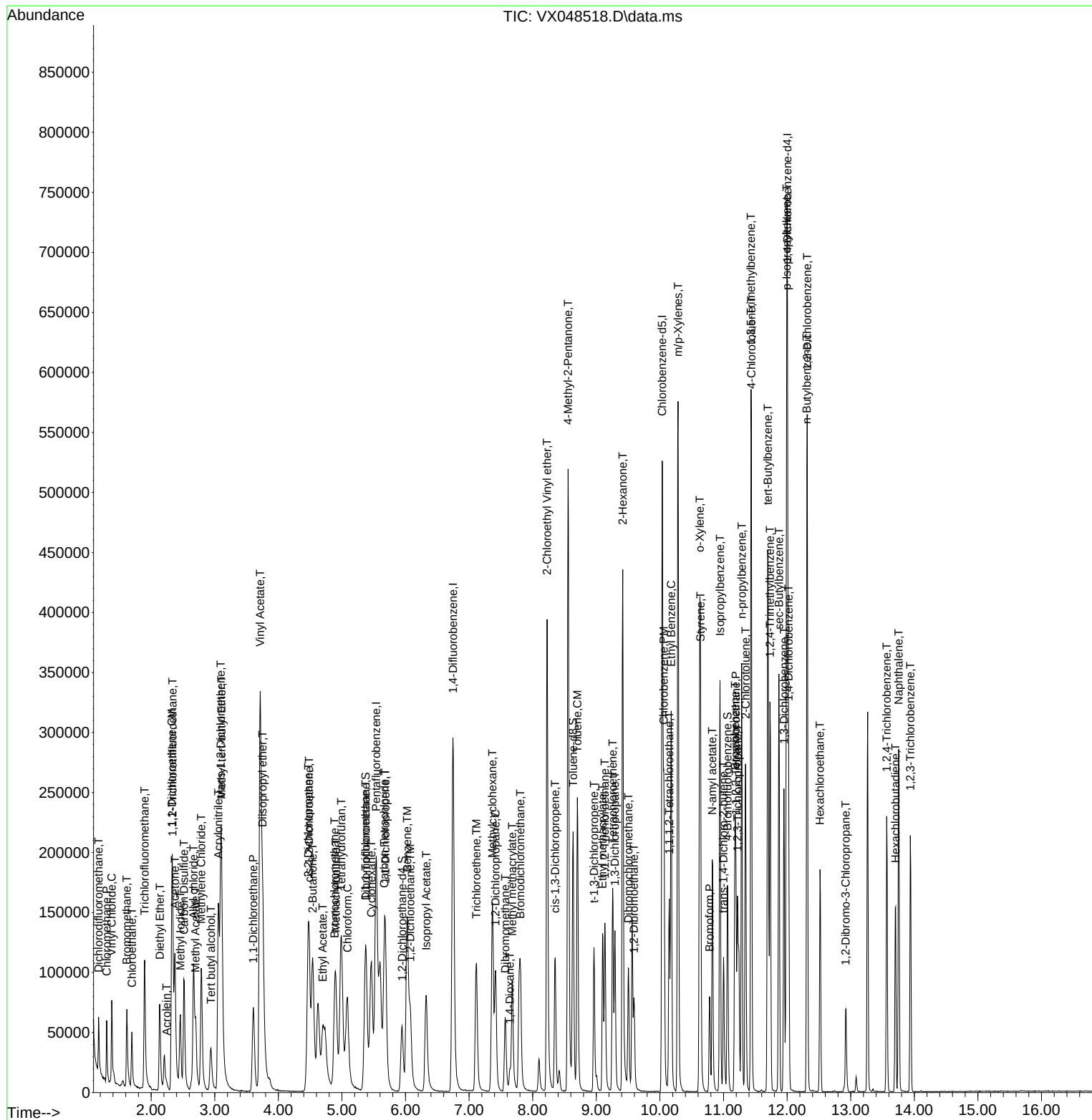
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048518.D
 Acq On : 07 Nov 2025 14:16
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Nov 08 04:39:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048520.D
 Acq On : 07 Nov 2025 14:58
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	179485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	297765	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	132080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	243155	97.224	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 194.440%#			
35) Dibromofluoromethane	5.373	113	212256	94.182	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 188.360%#			
50) Toluene-d8	8.635	98	720420	102.495	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 204.980%#			
62) 4-Bromofluorobenzene	11.061	95	264846	101.109	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 202.220%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	162366	111.639	ug/l	99
3) Chloromethane	1.301	50	208707	108.195	ug/l	99
4) Vinyl Chloride	1.380	62	215712	98.767	ug/l	99
5) Bromomethane	1.605	94	115797m	83.881	ug/l	
6) Chloroethane	1.685	64	132914	92.926	ug/l	100
7) Trichlorofluoromethane	1.892	101	329740	95.432	ug/l	99
8) Diethyl Ether	2.136	74	134965	97.310	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	196084	98.026	ug/l	99
10) Methyl Iodide	2.453	142	300124	101.382	ug/l	99
11) Tert butyl alcohol	2.959	59	237309	500.751	ug/l	98
12) 1,1-Dichloroethene	2.325	96	199260	95.367	ug/l	96
13) Acrolein	2.239	56	31030	456.759	ug/l	97
14) Allyl chloride	2.666	41	362419	93.164	ug/l	99
15) Acrylonitrile	3.056	53	663857	479.859	ug/l	99
16) Acetone	2.374	43	568356	480.092	ug/l	99
17) Carbon Disulfide	2.514	76	527024	89.637	ug/l	100
18) Methyl Acetate	2.697	43	293788	90.303	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	712323	96.543	ug/l	99
20) Methylene Chloride	2.788	84	223836	91.966	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	209909	94.789	ug/l	98
22) Diisopropyl ether	3.751	45	709722	95.012	ug/l	97
23) Vinyl Acetate	3.715	43	3136295	479.414	ug/l	100
24) 1,1-Dichloroethane	3.605	63	388811	94.862	ug/l	99
25) 2-Butanone	4.538	43	843690	481.750	ug/l	99
26) 2,2-Dichloropropane	4.465	77	335236	95.939	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	252407	93.248	ug/l	98
28) Bromochloromethane	4.885	49	187288	93.016	ug/l	99
29) Tetrahydrofuran	4.989	42	575336	461.240	ug/l	99
30) Chloroform	5.086	83	396642	93.738	ug/l	99
31) Cyclohexane	5.458	56	321505	95.734	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	351320	95.136	ug/l	99
36) 1,1-Dichloropropene	5.678	75	269881	89.431	ug/l	99
37) Ethyl Acetate	4.696	43	386137	90.900	ug/l	99
38) Carbon Tetrachloride	5.666	117	309414	90.070	ug/l	99
39) Methylcyclohexane	7.367	83	334291	98.656	ug/l	96
40) Benzene	6.025	78	831305	88.867	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048520.D
 Acq On : 07 Nov 2025 14:58
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	164274	87.935	ug/l	95
42) 1,2-Dichloroethane	6.068	62	291402	90.918	ug/l	99
43) Isopropyl Acetate	6.324	43	540612	90.535	ug/l	100
44) Trichloroethene	7.110	130	218005	97.499	ug/l	98
45) 1,2-Dichloropropane	7.415	63	209425	97.368	ug/l	100
46) Dibromomethane	7.568	93	156924	100.030	ug/l	98
47) Bromodichloromethane	7.805	83	321173	102.623	ug/l	97
48) Methyl methacrylate	7.677	41	266560	100.420	ug/l	100
49) 1,4-Dioxane	7.647	88	89615	2215.601	ug/l	97
51) 4-Methyl-2-Pentanone	8.561	43	1705402	501.730	ug/l	99
52) Toluene	8.702	92	517017	104.979	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	334066	103.593	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	354217	106.080	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	205483	104.430	ug/l	98
56) Ethyl methacrylate	9.104	69	353946	108.118	ug/l	98
57) 1,3-Dichloropropane	9.293	76	345885	100.991	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	972237	557.345	ug/l	100
59) 2-Hexanone	9.415	43	1278151	505.516	ug/l	100
60) Dibromochloromethane	9.506	129	255107	105.596	ug/l	98
61) 1,2-Dibromoethane	9.592	107	222500	104.402	ug/l	100
64) Tetrachloroethene	9.256	164	177093	94.858	ug/l	96
65) Chlorobenzene	10.061	112	571492	93.674	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	204743	100.159	ug/l	99
67) Ethyl Benzene	10.177	91	976399	95.307	ug/l	98
68) m/p-Xylenes	10.287	106	756955	196.183	ug/l	99
69) o-Xylene	10.628	106	367131	97.252	ug/l	100
70) Styrene	10.640	104	630372	99.544	ug/l	100
71) Bromoform	10.781	173	184392	97.773	ug/l	99
73) Isopropylbenzene	10.945	105	937990	97.838	ug/l	99
74) N-amyl acetate	10.829	43	459285	95.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	318823	94.300	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	298071m	105.844	ug/l	
77) Bromobenzene	11.183	156	240181	97.018	ug/l	99
78) n-propylbenzene	11.287	91	1082239	96.002	ug/l	99
79) 2-Chlorotoluene	11.348	91	658434	96.659	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	769561	98.464	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	117309	105.450	ug/l	98
82) 4-Chlorotoluene	11.439	91	770164	96.385	ug/l	100
83) tert-Butylbenzene	11.695	119	801942	99.204	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	779410	98.837	ug/l	99
85) sec-Butylbenzene	11.872	105	962376	96.323	ug/l	100
86) p-Isopropyltoluene	11.994	119	825080	98.227	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	443784	95.645	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	441447	94.299	ug/l	99
89) n-Butylbenzene	12.317	91	761466	96.635	ug/l	99
90) Hexachloroethane	12.518	117	157787	98.594	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	429792	96.491	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	78635	100.084	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	289894	97.941	ug/l	99
94) Hexachlorobutadiene	13.707	225	111275	89.932	ug/l	98
95) Naphthalene	13.756	128	985717	103.580	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	277082	100.642	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048520.D
Acq On : 07 Nov 2025 14:58
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

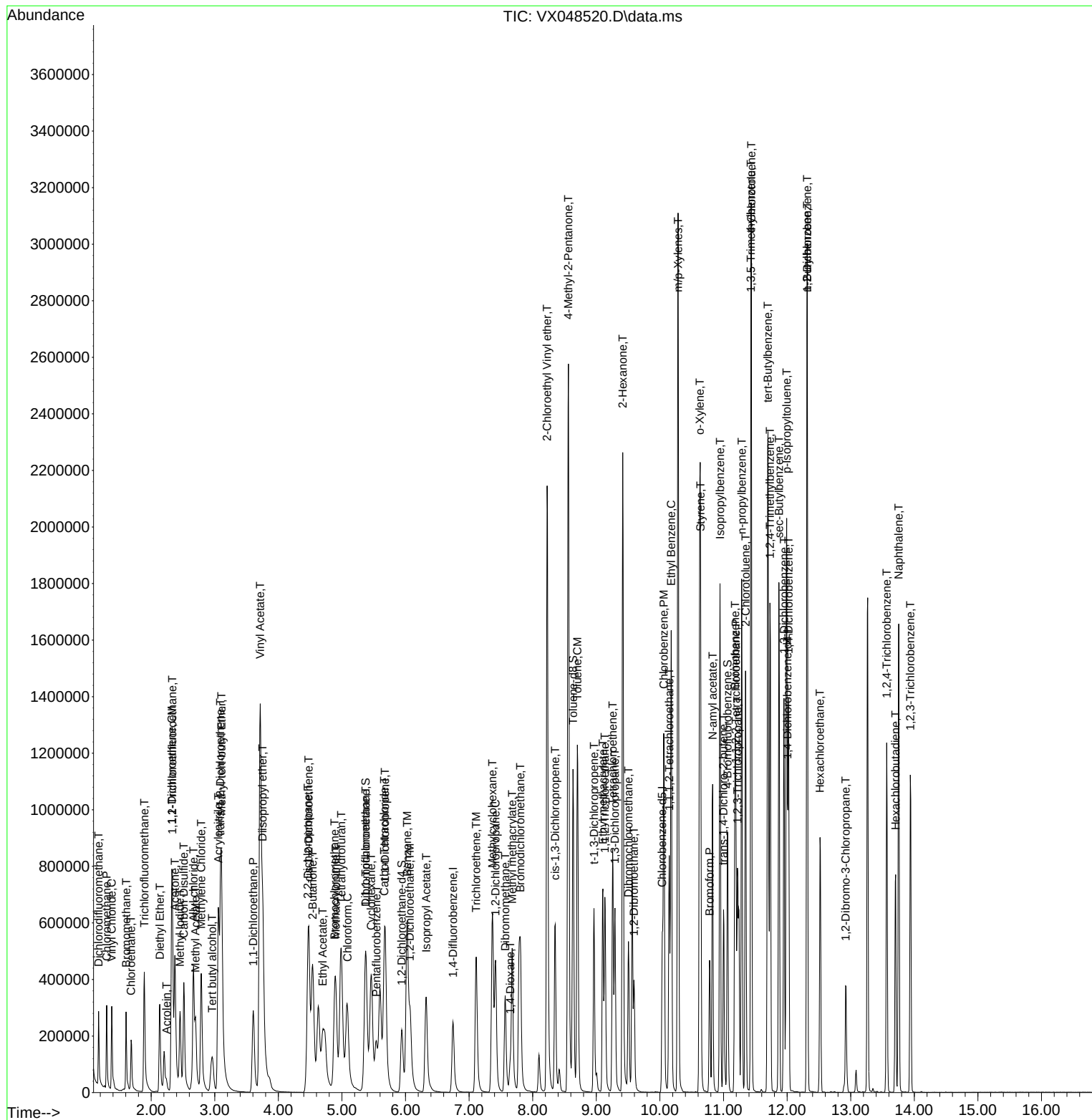
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048520.D
 Acq On : 07 Nov 2025 14:58
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:41:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048521.D
 Acq On : 07 Nov 2025 15:18
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 08 04:42:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	178567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	292795	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	246117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131303	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	333785	134.148	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 268.300%#			
35) Dibromofluoromethane	5.373	113	287214	129.606	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 259.220%#			
50) Toluene-d8	8.635	98	990842	143.361	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 286.720%#			
62) 4-Bromofluorobenzene	11.067	95	371661	144.295	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 288.600%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	253735	175.359	ug/l	99
3) Chloromethane	1.301	50	302480	157.614	ug/l	99
4) Vinyl Chloride	1.380	62	320003	147.272	ug/l	99
5) Bromomethane	1.605	94	153950	112.091	ug/l	96
6) Chloroethane	1.685	64	191395	134.501	ug/l	99
7) Trichlorofluoromethane	1.892	101	503070	146.345	ug/l	100
8) Diethyl Ether	2.136	74	188944	136.929	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	298670	150.078	ug/l	98
10) Methyl Iodide	2.453	142	432790	146.948	ug/l	99
11) Tert butyl alcohol	2.977	59	340733	722.684	ug/l	98
12) 1,1-Dichloroethene	2.319	96	293656	141.269	ug/l	97
13) Acrolein	2.239	56	52843	781.843	ug/l	96
14) Allyl chloride	2.666	41	540073	139.545	ug/l	100
15) Acrylonitrile	3.056	53	953673	692.892	ug/l	99
16) Acetone	2.373	43	838719	712.110	ug/l	100
17) Carbon Disulfide	2.514	76	791417	135.297	ug/l	99
18) Methyl Acetate	2.697	43	440781	136.181	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	997177	135.845	ug/l	99
20) Methylene Chloride	2.788	84	318695	131.614	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	298171	135.338	ug/l	98
22) Diisopropyl ether	3.751	45	1038977	139.806	ug/l	97
23) Vinyl Acetate	3.715	43	4581534	703.934	ug/l	99
24) 1,1-Dichloroethane	3.605	63	557501	136.718	ug/l	99
25) 2-Butanone	4.544	43	1244508	714.272	ug/l	97
26) 2,2-Dichloropropane	4.471	77	495685	142.586	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	366206	135.984	ug/l	99
28) Bromochloromethane	4.891	49	266434	133.003	ug/l	100
29) Tetrahydrofuran	4.989	42	818751	659.757	ug/l	98
30) Chloroform	5.080	83	563304	133.810	ug/l	98
31) Cyclohexane	5.458	56	487596	145.937	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	507525	138.143	ug/l	99
36) 1,1-Dichloropropene	5.678	75	394330	132.888	ug/l	100
37) Ethyl Acetate	4.696	43	561632	134.458	ug/l	99
38) Carbon Tetrachloride	5.666	117	442446	130.982	ug/l	97
39) Methylcyclohexane	7.367	83	520380	156.182	ug/l	96
40) Benzene	6.025	78	1202907	130.774	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048521.D
 Acq On : 07 Nov 2025 15:18
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:42:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	245609	133.706	ug/l	98
42) 1,2-Dichloroethane	6.074	62	415612	131.873	ug/l	99
43) Isopropyl Acetate	6.324	43	802693	136.707	ug/l	100
44) Trichloroethene	7.110	130	318538	144.879	ug/l	97
45) 1,2-Dichloropropane	7.415	63	298821	141.289	ug/l	98
46) Dibromomethane	7.568	93	220703	143.074	ug/l	99
47) Bromodichloromethane	7.805	83	447995	145.576	ug/l	100
48) Methyl methacrylate	7.677	41	382424	146.515	ug/l	99
49) 1,4-Dioxane	7.653	88	128773	3237.768	ug/l	98
51) 4-Methyl-2-Pentanone	8.561	43	2398543	717.630	ug/l	100
52) Toluene	8.702	92	740196	152.846	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	475896	150.079	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	507432	154.544	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	288895	149.313	ug/l	97
56) Ethyl methacrylate	9.104	69	503008	156.260	ug/l	99
57) 1,3-Dichloropropane	9.293	76	484188	143.772	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.232	63	1366958	796.924	ug/l	100
59) 2-Hexanone	9.415	43	1828924	735.629	ug/l	100
60) Dibromochloromethane	9.506	129	354928	149.408	ug/l	99
61) 1,2-Dibromoethane	9.598	107	314737	150.188	ug/l	100
64) Tetrachloroethene	9.256	164	256641	143.566	ug/l	99
65) Chlorobenzene	10.061	112	815516	139.603	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	288555	147.422	ug/l	100
67) Ethyl Benzene	10.177	91	1401386	142.860	ug/l	98
68) m/p-Xylenes	10.287	106	1082548	293.018	ug/l	99
69) o-Xylene	10.628	106	536318	148.373	ug/l	100
70) Styrene	10.640	104	918795	151.528	ug/l	100
71) Bromoform	10.781	173	275305	152.457	ug/l	99
73) Isopropylbenzene	10.945	105	1375604	144.333	ug/l	99
74) N-amyl acetate	10.829	43	680374	142.173	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	466659	138.843	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	437992m	156.450	ug/l	
77) Bromobenzene	11.183	156	345419	140.354	ug/l	98
78) n-propylbenzene	11.287	91	1604351	143.159	ug/l	100
79) 2-Chlorotoluene	11.348	91	938129	138.534	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	1124584	144.740	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	178669	161.557	ug/l	99
82) 4-Chlorotoluene	11.439	91	1119611	140.947	ug/l	99
83) tert-Butylbenzene	11.695	119	1185835	147.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	1136998	145.036	ug/l	98
85) sec-Butylbenzene	11.872	105	1454720	146.463	ug/l	100
86) p-Isopropyltoluene	11.994	119	1244220	149.002	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	657153	142.468	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	658598	141.517	ug/l	100
89) n-Butylbenzene	12.317	91	1170811	149.462	ug/l	99
90) Hexachloroethane	12.518	117	234767	147.563	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	636660	143.779	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	112194	143.641	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	439995	149.532	ug/l	99
94) Hexachlorobutadiene	13.707	225	179249	145.725	ug/l	98
95) Naphthalene	13.756	128	1450179	153.288	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	414012	151.267	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048521.D
Acq On : 07 Nov 2025 15:18
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

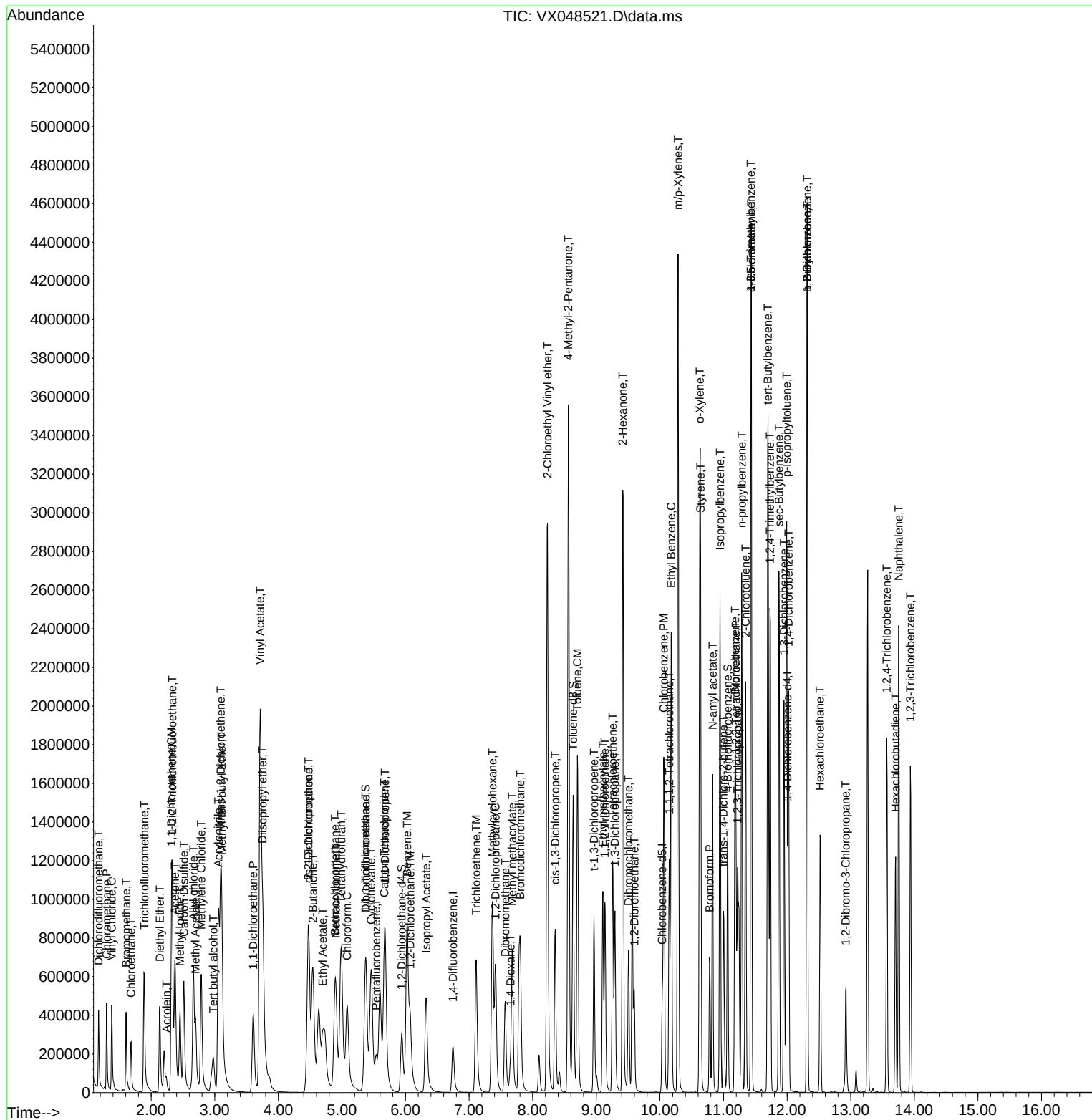
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\  
Data File : VX048521.D  
Acq On    : 07 Nov 2025 15:18  
Operator  : JC/MD  
Sample    : VSTDICC150  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 7 Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:42:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048524.D
 Acq On : 07 Nov 2025 16:29
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:43:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	180041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307413	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	271611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	123374	49.178	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.360%		
35) Dibromofluoromethane	5.373	113	107888	46.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.740%		
50) Toluene-d8	8.635	98	369557	50.927	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.860%		
62) 4-Bromofluorobenzene	11.061	95	136244	50.381	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	76351	52.335	ug/l	100
3) Chloromethane	1.301	50	106667	55.126	ug/l	100
4) Vinyl Chloride	1.380	62	107960	49.279	ug/l	100
5) Bromomethane	1.612	94	76656	55.356	ug/l	100
6) Chloroethane	1.691	64	68875	48.005	ug/l	100
7) Trichlorofluoromethane	1.892	101	159505	46.021	ug/l	100
8) Diethyl Ether	2.136	74	70765	50.864	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	92738	46.218	ug/l	100
10) Methyl Iodide	2.453	142	148356	49.960	ug/l	100
11) Tert butyl alcohol	2.941	59	124670	262.256	ug/l	100
12) 1,1-Dichloroethene	2.325	96	98074	46.794	ug/l	100
13) Acrolein	2.240	56	18158	266.459	ug/l	100
14) Allyl chloride	2.666	41	188637	48.341	ug/l	100
15) Acrylonitrile	3.056	53	363119	261.664	ug/l	100
16) Acetone	2.374	43	296864	249.987	ug/l	100
17) Carbon Disulfide	2.514	76	268053	45.450	ug/l	100
18) Methyl Acetate	2.697	43	156429	47.934	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	381141	51.497	ug/l	100
20) Methylene Chloride	2.788	84	117536	48.142	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	107632	48.453	ug/l	100
22) Diisopropyl ether	3.751	45	371667	49.602	ug/l	100
23) Vinyl Acetate	3.715	43	1644477	250.599	ug/l	100
24) 1,1-Dichloroethane	3.605	63	198326	48.238	ug/l	100
25) 2-Butanone	4.538	43	455146	259.087	ug/l	100
26) 2,2-Dichloropropane	4.465	77	159000	45.363	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	130445	48.042	ug/l	100
28) Bromochloromethane	4.885	49	97819	48.431	ug/l	100
29) Tetrahydrofuran	4.989	42	313988	250.943	ug/l	100
30) Chloroform	5.087	83	201702	47.521	ug/l	100
31) Cyclohexane	5.458	56	156130	46.347	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	175119	47.275	ug/l	100
36) 1,1-Dichloropropene	5.678	75	131207	42.114	ug/l	100
37) Ethyl Acetate	4.696	43	205009	46.746	ug/l	100
38) Carbon Tetrachloride	5.666	117	149370	42.117	ug/l	100
39) Methylcyclohexane	7.367	83	156904	44.852	ug/l	100
40) Benzene	6.025	78	432976	44.833	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048524.D
 Acq On : 07 Nov 2025 16:29
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Nov 08 04:43:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 04:36:23 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	90811	47.085	ug/l	100
42) 1,2-Dichloroethane	6.074	62	147877	44.690	ug/l	100
43) Isopropyl Acetate	6.324	43	285622	46.331	ug/l	100
44) Trichloroethene	7.111	130	109058	47.244	ug/l	100
45) 1,2-Dichloropropane	7.415	63	110204	49.629	ug/l	100
46) Dibromomethane	7.568	93	82377	50.863	ug/l	100
47) Bromodichloromethane	7.806	83	167028	51.695	ug/l	100
48) Methyl methacrylate	7.678	41	142167	51.877	ug/l	100
49) 1,4-Dioxane	7.647	88	45365	1086.384	ug/l	100
51) 4-Methyl-2-Pentanone	8.555	43	952270	271.365	ug/l	100
52) Toluene	8.702	92	269581	53.020	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	175854	52.820	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	186249	54.027	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	110910	54.597	ug/l	100
56) Ethyl methacrylate	9.098	69	190086	56.242	ug/l	100
57) 1,3-Dichloropropane	9.293	76	190119	53.768	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	544454	302.318	ug/l	100
59) 2-Hexanone	9.415	43	713506	273.339	ug/l	100
60) Dibromochloromethane	9.507	129	134082	53.758	ug/l	100
61) 1,2-Dibromoethane	9.592	107	117046	53.197	ug/l	100
64) Tetrachloroethene	9.257	164	88926	45.076	ug/l	100
65) Chlorobenzene	10.061	112	299156	46.404	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	106481	49.295	ug/l	100
67) Ethyl Benzene	10.177	91	512428	47.335	ug/l	100
68) m/p-Xylenes	10.287	106	391085	95.921	ug/l	100
69) o-Xylene	10.622	106	190935	47.864	ug/l	100
70) Styrene	10.634	104	328665	49.116	ug/l	100
71) Bromoform	10.781	173	94463	47.401	ug/l	100
73) Isopropylbenzene	10.945	105	475097	47.748	ug/l	100
74) N-amyl acetate	10.823	43	245758	49.190	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	168512	48.023	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	138398m	47.352	ug/l	
77) Bromobenzene	11.177	156	124641	48.510	ug/l	100
78) n-propylbenzene	11.287	91	551985	47.178	ug/l	100
79) 2-Chlorotoluene	11.348	91	334083	47.255	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	386446	47.641	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	59424	51.468	ug/l	100
82) 4-Chlorotoluene	11.433	91	392809	47.366	ug/l	100
83) tert-Butylbenzene	11.695	119	403731	48.121	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	397157	48.526	ug/l	100
85) sec-Butylbenzene	11.872	105	479253	46.218	ug/l	100
86) p-Isopropyltoluene	11.988	119	409592	46.983	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	225309	46.787	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	230056	47.350	ug/l	100
89) n-Butylbenzene	12.311	91	372536	45.552	ug/l	100
90) Hexachloroethane	12.518	117	75599	45.515	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	222592	48.150	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	40699	49.910	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	146070	47.549	ug/l	100
94) Hexachlorobutadiene	13.707	225	55716	43.386	ug/l	100
95) Naphthalene	13.756	128	507140	51.347	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	139324	48.759	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048524.D
Acq On : 07 Nov 2025 16:29
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 04:43:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 04:36:23 2025
Response via : Initial Calibration

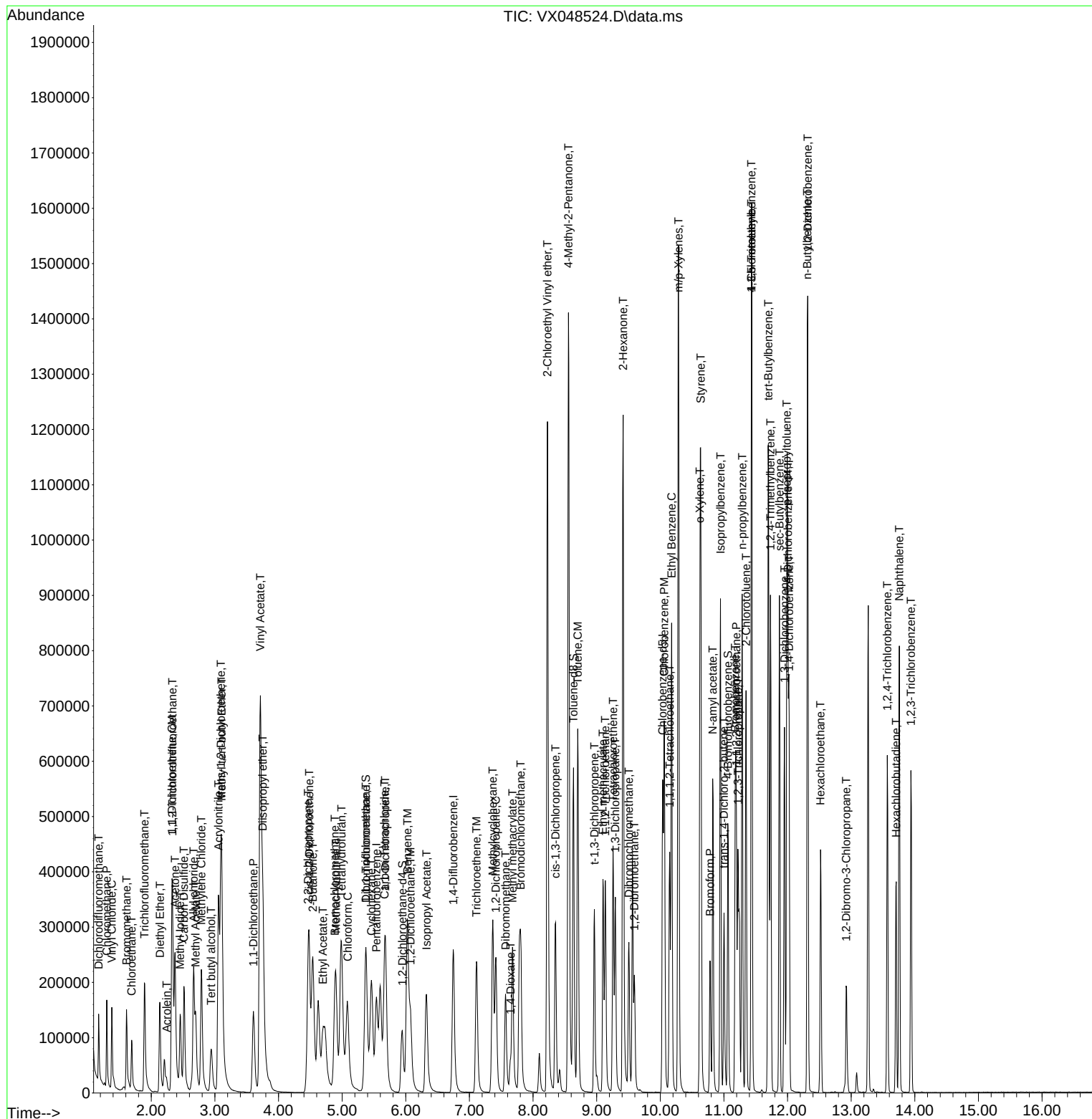
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	175429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	300694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125725	51.433	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.860%			
35) Dibromofluoromethane	5.373	113	104074	45.730	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.460%			
50) Toluene-d8	8.635	98	360437	50.780	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.061	95	134490	50.843	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	79523	55.942	ug/l	99
3) Chloromethane	1.301	50	100103	53.094	ug/l	100
4) Vinyl Chloride	1.380	62	105708	49.519	ug/l	96
5) Bromomethane	1.611	94	74133	54.997	ug/l	97
6) Chloroethane	1.691	64	66991	47.919	ug/l	100
7) Trichlorofluoromethane	1.892	101	163901	48.532	ug/l	98
8) Diethyl Ether	2.136	74	68302	50.384	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	97010	49.618	ug/l	99
10) Methyl Iodide	2.453	142	148327	51.263	ug/l	99
11) Tert butyl alcohol	2.941	59	119049	257.016	ug/l	98
12) 1,1-Dichloroethene	2.325	96	96593	47.299	ug/l	95
13) Acrolein	2.239	56	17055	254.482	ug/l	98
14) Allyl chloride	2.666	41	180497	47.471	ug/l	99
15) Acrylonitrile	3.056	53	339497	251.074	ug/l	99
16) Acetone	2.374	43	289425	250.130	ug/l	98
17) Carbon Disulfide	2.514	76	263284	45.815	ug/l	100
18) Methyl Acetate	2.697	43	151597	47.674	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	366166	50.775	ug/l	100
20) Methylene Chloride	2.788	84	112574	47.322	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	104272	48.175	ug/l	97
22) Diisopropyl ether	3.751	45	365126	50.011	ug/l	98
23) Vinyl Acetate	3.715	43	1623158	253.844	ug/l	99
24) 1,1-Dichloroethane	3.605	63	193671	48.344	ug/l	99
25) 2-Butanone	4.538	43	453513	264.945	ug/l	97
26) 2,2-Dichloropropane	4.465	77	162290	47.519	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	129253	48.854	ug/l	98
28) Bromochloromethane	4.885	49	97361	49.472	ug/l	98
29) Tetrahydrofuran	4.989	42	307563	251.928	ug/l	99
30) Chloroform	5.080	83	203402	49.181	ug/l	99
31) Cyclohexane	5.464	56	166346	50.678	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	177144	49.079	ug/l	100
36) 1,1-Dichloropropene	5.678	75	136129	44.670	ug/l	98
37) Ethyl Acetate	4.696	43	206366	48.107	ug/l	98
38) Carbon Tetrachloride	5.666	117	153372	44.212	ug/l	97
39) Methylcyclohexane	7.367	83	168487	49.240	ug/l	98
40) Benzene	6.025	78	428574	45.369	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110725

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	96023	50.900	ug/l	95
42) 1,2-Dichloroethane	6.074	62	149489	46.187	ug/l	99
43) Isopropyl Acetate	6.324	43	292708	48.542	ug/l	99
44) Trichloroethene	7.111	130	108399	48.007	ug/l	95
45) 1,2-Dichloropropane	7.415	63	109605	50.462	ug/l	97
46) Dibromomethane	7.568	93	81296	51.317	ug/l	97
47) Bromodichloromethane	7.806	83	164733	52.124	ug/l	99
48) Methyl methacrylate	7.677	41	141804	52.901	ug/l	99
49) 1,4-Dioxane	7.647	88	43542	1066.027	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	943143	274.770	ug/l	99
52) Toluene	8.702	92	263658	53.014	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	172732	53.042	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	183768	54.498	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	109093	54.903	ug/l	98
56) Ethyl methacrylate	9.098	69	186912	56.539	ug/l	98
57) 1,3-Dichloropropane	9.293	76	182103	52.652	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	533039	299.907	ug/l	100
59) 2-Hexanone	9.415	43	708416	277.453	ug/l	99
60) Dibromochloromethane	9.506	129	130424	53.460	ug/l	100
61) 1,2-Dibromoethane	9.592	107	115352	53.598	ug/l	99
64) Tetrachloroethene	9.256	164	91541	48.124	ug/l	96
65) Chlorobenzene	10.061	112	292507	47.057	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	103725	49.801	ug/l	99
67) Ethyl Benzene	10.177	91	505794	48.456	ug/l	97
68) m/p-Xylenes	10.287	106	391090	99.482	ug/l	98
69) o-Xylene	10.622	106	190122	49.430	ug/l	98
70) Styrene	10.640	104	318495	49.362	ug/l	99
71) Bromoform	10.781	173	92512	48.145	ug/l #	100
73) Isopropylbenzene	10.945	105	479112	49.403	ug/l	99
74) N-amyl acetate	10.823	43	244571	50.225	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	167085	48.855	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	133852m	41.585	ug/l	
77) Bromobenzene	11.183	156	120400	48.079	ug/l	98
78) n-propylbenzene	11.287	91	560609	49.162	ug/l	100
79) 2-Chlorotoluene	11.348	91	336034	48.767	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	396355	50.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	57267	50.890	ug/l	96
82) 4-Chlorotoluene	11.433	91	396344	49.035	ug/l	100
83) tert-Butylbenzene	11.695	119	406392	49.698	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	399935	50.137	ug/l	99
85) sec-Butylbenzene	11.872	105	498225	49.297	ug/l	99
86) p-Isopropyltoluene	11.988	119	419888	49.417	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	223034	47.519	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	225606	46.536	ug/l	99
89) n-Butylbenzene	12.311	91	390447	48.984	ug/l	100
90) Hexachloroethane	12.518	117	78393	48.425	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	216201	47.984	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	40188	50.566	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	148227	49.507	ug/l	99
94) Hexachlorobutadiene	13.707	225	58865	47.031	ug/l	99
95) Naphthalene	13.756	128	506116	52.576	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	140560	50.471	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/10/2025
Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

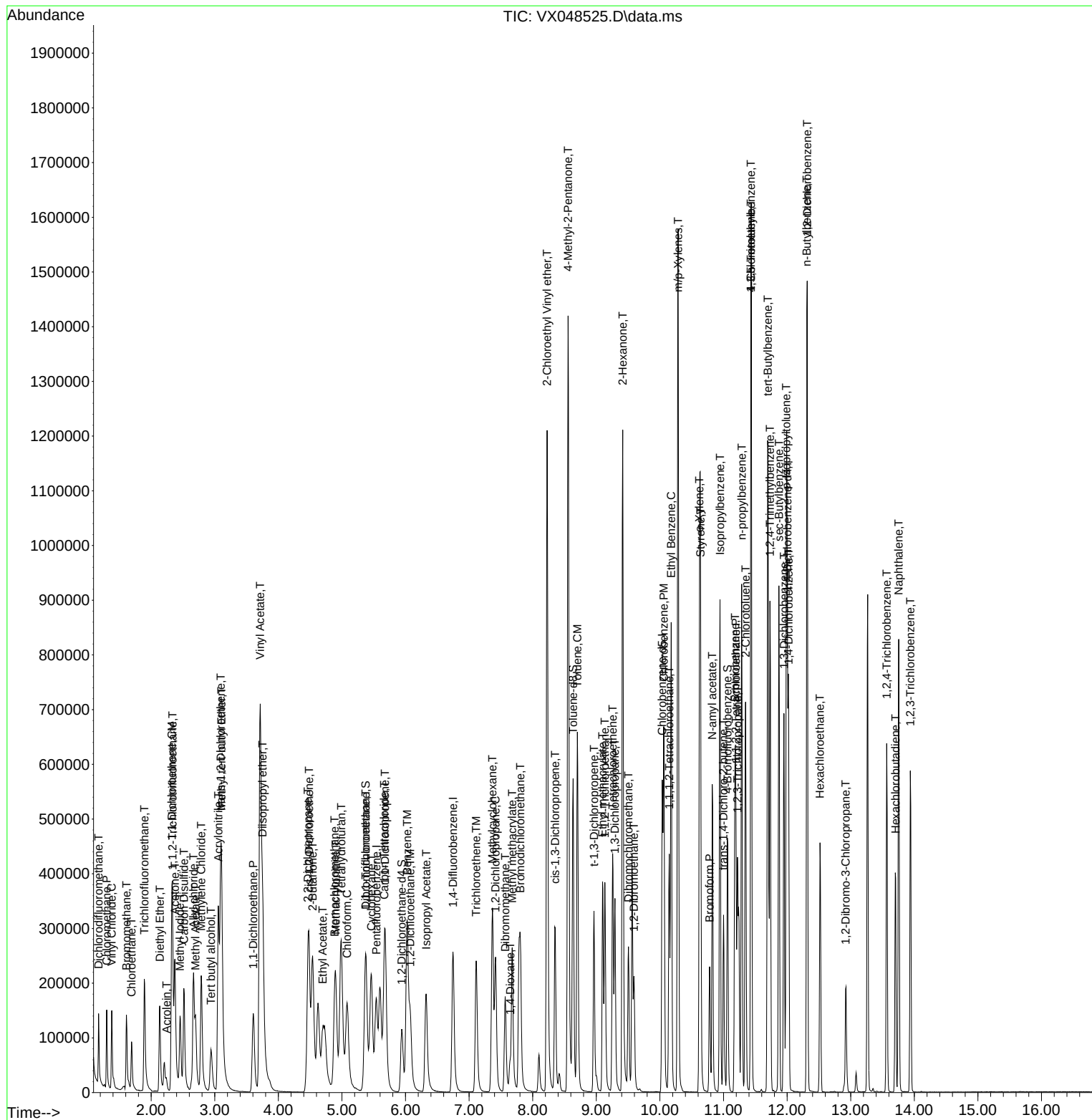
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110725

Manual Integrations APPROVED

Reviewed By :John Carlone 11/10/2025
 Supervised By :Semsettin Yesilyurt 11/10/2025

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	0.405	0.453	-11.9	104	0.00
3 P	Chloromethane	0.537	0.571	-6.3	94	0.00
4 C	Vinyl Chloride	0.608	0.603	0.8#	98	0.00
5 T	Bromomethane	0.384	0.423	-10.2	97	0.00
6 T	Chloroethane	0.398	0.382	4.0	97	0.00
7 T	Trichlorofluoromethane	0.963	0.934	3.0	103	0.00
8 T	Diethyl Ether	0.386	0.389	-0.8	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.553	0.7	105	0.00
10 T	Methyl Iodide	0.825	0.846	-2.5	100	0.00
11 T	Tert butyl alcohol	0.132	0.136	-3.0	95	0.00
12 CM	1,1-Dichloroethene	0.582	0.551	5.3#	98	0.00
13 T	Acrolein	0.019	0.019	0.0	94	0.00
14 T	Allyl chloride	1.084	1.029	5.1	96	0.00
15 T	Acrylonitrile	0.385	0.387	-0.5	93	0.00
16 T	Acetone	0.330	0.330	0.0	97	0.00
17 T	Carbon Disulfide	1.638	1.501	8.4	98	0.00
18 T	Methyl Acetate	0.906	0.864	4.6	97	0.00
19 T	Methyl tert-butyl Ether	2.055	2.087	-1.6	96	0.00
20 T	Methylene Chloride	0.678	0.642	5.3	96	0.00
21 T	trans-1,2-Dichloroethene	0.617	0.594	3.7	97	0.00
22 T	Diisopropyl ether	2.081	2.081	0.0	98	0.00
23 T	Vinyl Acetate	1.822	1.851	-1.6	99	0.00
24 P	1,1-Dichloroethane	1.142	1.104	3.3	98	0.00
25 T	2-Butanone	0.488	0.517	-5.9	100	0.00
26 T	2,2-Dichloropropane	0.973	0.925	4.9	102	0.00
27 T	cis-1,2-Dichloroethene	0.754	0.737	2.3	99	0.00
28 T	Bromochloromethane	0.561	0.555	1.1	100	0.00
29 T	Tetrahydrofuran	0.348	0.351	-0.9	98	0.00
30 C	Chloroform	1.179	1.159	1.7#	101	0.00
31 T	Cyclohexane	0.936	0.948	-1.3	107	0.00
32 T	1,1,1-Trichloroethane	1.029	1.010	1.8	101	0.00
33 S	1,2-Dichloroethane-d4	0.697	0.717	-2.9	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35 S	Dibromofluoromethane	0.378	0.346	8.5	96	0.00
36 T	1,1-Dichloropropene	0.507	0.453	10.7	104	0.00
37 T	Ethyl Acetate	0.713	0.686	3.8	101	0.00
38 T	Carbon Tetrachloride	0.577	0.510	11.6	103	0.00
39 T	Methylcyclohexane	0.569	0.560	1.6	107	0.00
40 TM	Benzene	1.571	1.425	9.3	99	0.00
41 T	Methacrylonitrile	0.314	0.319	-1.6	106	0.00
42 TM	1,2-Dichloroethane	0.538	0.497	7.6	101	0.00
43 T	Isopropyl Acetate	1.003	0.973	3.0	102	0.00
44 TM	Trichloroethene	0.375	0.360	4.0	99	0.00
45 C	1,2-Dichloropropane	0.361	0.365	-1.1#	99	0.00
46 T	Dibromomethane	0.263	0.270	-2.7	99	0.00
47 T	Bromodichloromethane	0.526	0.548	-4.2	99	0.00
48 T	Methyl methacrylate	0.446	0.472	-5.8	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.007	0.0	96	0.00
50 S	Toluene-d8	1.180	1.199	-1.6	98	0.00
51 T	4-Methyl-2-Pentanone	0.571	0.627	-9.8	99	0.00
52 CM	Toluene	0.827	0.877	-6.0#	98	0.00
53 T	t-1,3-Dichloropropene	0.541	0.574	-6.1	98	0.00
54 T	cis-1,3-Dichloropropene	0.561	0.611	-8.9	99	0.00
55 T	1,1,2-Trichloroethane	0.330	0.363	-10.0	98	0.00
56 T	Ethyl methacrylate	0.550	0.622	-13.1	98	0.00
57 T	1,3-Dichloropropane	0.575	0.606	-5.4	96	0.00
58 T	2-Chloroethyl Vinyl ether	0.296	0.355	-19.9	98	0.00
59 T	2-Hexanone	0.425	0.471	-10.8	99	0.00
60 T	Dibromochloromethane	0.406	0.434	-6.9	97	0.00
61 T	1,2-Dibromoethane	0.358	0.384	-7.3	99	0.00
62 S	4-Bromofluorobenzene	0.440	0.447	-1.6	99	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64 T	Tetrachloroethene	0.363	0.350	3.6	103	0.00
65 PM	Chlorobenzene	1.187	1.117	5.9	98	0.00
66 T	1,1,1,2-Tetrachloroethane	0.398	0.396	0.5	97	0.00
67 C	Ethyl Benzene	1.993	1.931	3.1#	99	0.00
68 T	m/p-Xylenes	0.751	0.747	0.5	100	0.00
69 T	o-Xylene	0.734	0.726	1.1	100	0.00
70 T	Styrene	1.232	1.216	1.3	97	0.00
71 P	Bromoform	0.367	0.353	3.8	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.629	3.586	1.2	101	0.00
74 T	N-amyl acetate	1.822	1.831	-0.5	100	0.00
75 P	1,1,2,2-Tetrachloroethane	1.280	1.251	2.3	99	0.00
76 T	1,2,3-Trichloropropane	1.205	1.002	16.8	66	0.00
77 T	Bromobenzene	0.937	0.901	3.8	97	0.00
78 T	n-propylbenzene	4.268	4.196	1.7	102	0.00
79 T	2-Chlorotoluene	2.579	2.515	2.5	101	0.00
80 T	1,3,5-Trimethylbenzene	2.959	2.967	-0.3	103	0.00
81 T	trans-1,4-Dichloro-2-butene	0.421	0.429	-1.9	96	0.00
82 T	4-Chlorotoluene	3.025	2.967	1.9	101	0.00
83 T	tert-Butylbenzene	3.060	3.042	0.6	101	0.00
84 T	1,2,4-Trimethylbenzene	2.985	2.993	-0.3	101	0.00
85 T	sec-Butylbenzene	3.782	3.729	1.4	104	0.00
86 T	p-Isopropyltoluene	3.180	3.143	1.2	103	0.00
87 T	1,3-Dichlorobenzene	1.756	1.669	5.0	99	0.00
88 T	1,4-Dichlorobenzene	1.814	1.689	6.9	98	0.00
89 T	n-Butylbenzene	2.983	2.922	2.0	105	0.00
90 T	Hexachloroethane	0.606	0.587	3.1	104	0.00
91 T	1,2-Dichlorobenzene	1.686	1.618	4.0	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.297	0.301	-1.3	99	0.00
93 T	1,2,4-Trichlorobenzene	1.120	1.109	1.0	101	0.00
94 T	Hexachlorobutadiene	0.468	0.441	5.8	106	0.00
95 T	Naphthalene	3.603	3.788	-5.1	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.042	1.052	-1.0	101	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2 T	Dichlorodifluoromethane	50.000	55.942	-11.9	104	0.00
3 P	Chloromethane	50.000	53.094	-6.2	94	0.00
4 C	Vinyl Chloride	50.000	49.519	1.0#	98	0.00
5 T	Bromomethane	50.000	54.997	-10.0	97	0.00
6 T	Chloroethane	50.000	47.919	4.2	97	0.00
7 T	Trichlorofluoromethane	50.000	48.532	2.9	103	0.00
8 T	Diethyl Ether	50.000	50.384	-0.8	97	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.618	0.8	105	0.00
10 T	Methyl Iodide	50.000	51.263	-2.5	100	0.00
11 T	Tert butyl alcohol	250.000	257.016	-2.8	95	0.00
12 CM	1,1-Dichloroethene	50.000	47.299	5.4#	98	0.00
13 T	Acrolein	250.000	254.482	-1.8	94	0.00
14 T	Allyl chloride	50.000	47.471	5.1	96	0.00
15 T	Acrylonitrile	250.000	251.074	-0.4	93	0.00
16 T	Acetone	250.000	250.130	-0.1	97	0.00
17 T	Carbon Disulfide	50.000	45.815	8.4	98	0.00
18 T	Methyl Acetate	50.000	47.674	4.7	97	0.00
19 T	Methyl tert-butyl Ether	50.000	50.775	-1.5	96	0.00
20 T	Methylene Chloride	50.000	47.322	5.4	96	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.175	3.7	97	0.00
22 T	Diisopropyl ether	50.000	50.011	-0.0	98	0.00
23 T	Vinyl Acetate	250.000	253.844	-1.5	99	0.00
24 P	1,1-Dichloroethane	50.000	48.344	3.3	98	0.00
25 T	2-Butanone	250.000	264.945	-6.0	100	0.00
26 T	2,2-Dichloropropane	50.000	47.519	5.0	102	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.854	2.3	99	0.00
28 T	Bromochloromethane	50.000	49.472	1.1	100	0.00
29 T	Tetrahydrofuran	250.000	251.928	-0.8	98	0.00
30 C	Chloroform	50.000	49.181	1.6#	101	0.00
31 T	Cyclohexane	50.000	50.678	-1.4	107	0.00
32 T	1,1,1-Trichloroethane	50.000	49.079	1.8	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	51.433	-2.9	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35 S	Dibromofluoromethane	50.000	45.730	8.5	96	0.00
36 T	1,1-Dichloropropene	50.000	44.670	10.7	104	0.00
37 T	Ethyl Acetate	50.000	48.107	3.8	101	0.00
38 T	Carbon Tetrachloride	50.000	44.212	11.6	103	0.00
39 T	Methylcyclohexane	50.000	49.240	1.5	107	0.00
40 TM	Benzene	50.000	45.369	9.3	99	0.00
41 T	Methacrylonitrile	50.000	50.900	-1.8	106	0.00
42 TM	1,2-Dichloroethane	50.000	46.187	7.6	101	0.00
43 T	Isopropyl Acetate	50.000	48.542	2.9	102	0.00
44 TM	Trichloroethene	50.000	48.007	4.0	99	0.00
45 C	1,2-Dichloropropane	50.000	50.462	-0.9#	99	0.00
46 T	Dibromomethane	50.000	51.317	-2.6	99	0.00
47 T	Bromodichloromethane	50.000	52.124	-4.2	99	0.00
48 T	Methyl methacrylate	50.000	52.901	-5.8	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1066.027	-6.6	96	0.00
50 S	Toluene-d8	50.000	50.780	-1.6	98	0.00
51 T	4-Methyl-2-Pentanone	250.000	274.770	-9.9	99	0.00
52 CM	Toluene	50.000	53.014	-6.0#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	53.042	-6.1	98	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.498	-9.0	99	0.00
55 T	1,1,2-Trichloroethane	50.000	54.903	-9.8	98	0.00
56 T	Ethyl methacrylate	50.000	56.539	-13.1	98	0.00
57 T	1,3-Dichloropropane	50.000	52.652	-5.3	96	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	299.907	-20.0	98	0.00
59 T	2-Hexanone	250.000	277.453	-11.0	99	0.00
60 T	Dibromochloromethane	50.000	53.460	-6.9	97	0.00
61 T	1,2-Dibromoethane	50.000	53.598	-7.2	99	0.00
62 S	4-Bromofluorobenzene	50.000	50.843	-1.7	99	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64 T	Tetrachloroethene	50.000	48.124	3.8	103	0.00
65 PM	Chlorobenzene	50.000	47.057	5.9	98	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.801	0.4	97	0.00
67 C	Ethyl Benzene	50.000	48.456	3.1#	99	0.00
68 T	m/p-Xylenes	100.000	99.482	0.5	100	0.00
69 T	o-Xylene	50.000	49.430	1.1	100	0.00
70 T	Styrene	50.000	49.362	1.3	97	0.00
71 P	Bromoform	50.000	48.145	3.7	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	49.403	1.2	101	0.00
74 T	N-ethyl acetate	50.000	50.225	-0.5	100	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.855	2.3	99	0.00
76 T	1,2,3-Trichloropropane	50.000	41.585	16.8	66	0.00
77 T	Bromobenzene	50.000	48.079	3.8	97	0.00
78 T	n-propylbenzene	50.000	49.162	1.7	102	0.00
79 T	2-Chlorotoluene	50.000	48.767	2.5	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.134	-0.3	103	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.890	-1.8	96	0.00
82 T	4-Chlorotoluene	50.000	49.035	1.9	101	0.00
83 T	tert-Butylbenzene	50.000	49.698	0.6	101	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.137	-0.3	101	0.00
85 T	sec-Butylbenzene	50.000	49.297	1.4	104	0.00
86 T	p-Isopropyltoluene	50.000	49.417	1.2	103	0.00
87 T	1,3-Dichlorobenzene	50.000	47.519	5.0	99	0.00
88 T	1,4-Dichlorobenzene	50.000	46.536	6.9	98	0.00
89 T	n-Butylbenzene	50.000	48.984	2.0	105	0.00
90 T	Hexachloroethane	50.000	48.425	3.2	104	0.00
91 T	1,2-Dichlorobenzene	50.000	47.984	4.0	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.566	-1.1	99	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.507	1.0	101	0.00
94 T	Hexachlorobutadiene	50.000	47.031	5.9	106	0.00
95 T	Naphthalene	50.000	52.576	-5.2	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048525.D
Acq On : 07 Nov 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX110725

Quant Time: Nov 08 05:04:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:01:56 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.471	-0.9	101	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3584</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>11/10/2025 09:36</u>
Lab File ID:	<u>VX048527.D</u>	Init. Calib. Date(s):	<u>11/07/2025 11/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:35 16:29</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.405	0.480		18.52	20
Chloromethane	0.537	0.565	0.1	5.21	20
Vinyl Chloride	0.608	0.621		2.14	20
Bromomethane	0.384	0.424		10.42	20
Chloroethane	0.398	0.393		-1.26	20
Trichlorofluoromethane	0.963	0.965		0.21	20
1,1,2-Trichlorotrifluoroethane	0.557	0.576		3.41	20
1,1-Dichloroethene	0.582	0.562		-3.44	20
Acetone	0.330	0.343		3.94	20
Carbon Disulfide	1.638	1.516		-7.45	20
Methyl tert-butyl Ether	2.055	2.069		0.68	20
Methyl Acetate	0.906	0.850		-6.18	20
Methylene Chloride	0.678	0.639		-5.75	20
trans-1,2-Dichloroethene	0.617	0.596		-3.4	20
1,1-Dichloroethane	1.142	1.122	0.1	-1.75	20
Cyclohexane	0.936	0.927		-0.96	20
2-Butanone	0.488	0.511		4.71	20
Carbon Tetrachloride	0.577	0.527		-8.67	20
cis-1,2-Dichloroethene	0.754	0.725		-3.85	20
Bromochloromethane	0.561	0.484		-13.73	20
Chloroform	1.179	1.127		-4.41	20
1,1,1-Trichloroethane	1.029	0.979		-4.86	20
Methylcyclohexane	0.569	0.601		5.62	20
Benzene	1.571	1.482		-5.66	20
1,2-Dichloroethane	0.538	0.510		-5.2	20
Trichloroethene	0.375	0.381		1.6	20
1,2-Dichloropropane	0.361	0.377		4.43	20
Bromodichloromethane	0.526	0.561		6.65	20
4-Methyl-2-Pentanone	0.571	0.642		12.43	20
Toluene	0.827	0.921		11.37	20
t-1,3-Dichloropropene	0.541	0.584		7.95	20
cis-1,3-Dichloropropene	0.561	0.625		11.41	20
1,1,2-Trichloroethane	0.330	0.369		11.82	20
2-Hexanone	0.425	0.474		11.53	20
Dibromochloromethane	0.406	0.451		11.08	20
1,2-Dibromoethane	0.358	0.397		10.89	20
Tetrachloroethene	0.363	0.364		0.28	20
Chlorobenzene	1.187	1.191	0.3	0.34	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3584</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>11/10/2025 09:36</u>
Lab File ID:	<u>VX048527.D</u>	Init. Calib. Date(s):	<u>11/07/2025 11/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:35 16:29</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.993	2.013		1	20
m/p-Xylenes	0.751	0.779		3.73	20
o-Xylene	0.734	0.763		3.95	20
Styrene	1.232	1.286		4.38	20
Bromoform	0.367	0.373	0.1	1.63	20
Isopropylbenzene	3.629	3.726		2.67	20
1,1,2,2-Tetrachloroethane	1.280	1.279	0.3	-0.08	20
1,3-Dichlorobenzene	1.756	1.740		-0.91	20
1,4-Dichlorobenzene	1.814	1.782		-1.76	20
1,2-Dichlorobenzene	1.686	1.710		1.42	20
1,2-Dibromo-3-Chloropropane	0.297	0.312		5.05	20
1,2,4-Trichlorobenzene	1.120	1.177		5.09	20
1,2,3-Trichlorobenzene	1.042	1.088		4.41	20
1,2-Dichloroethane-d4	0.697	0.616		-11.62	20
Dibromofluoromethane	0.378	0.321		-15.08	20
Toluene-d8	1.180	1.100		-6.78	20
4-Bromofluorobenzene	0.440	0.405		-7.95	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_X\Data\VX111025\
 Data File : VX048527.D
 Acq On : 10 Nov 2025 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:41:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	178330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	288528	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	248957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127604	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	109906	44.230	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.460%
35) Dibromofluoromethane	5.367	113	92497	42.357	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.720%
50) Toluene-d8	8.629	98	317350	46.595	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.200%
62) 4-Bromofluorobenzene	11.061	95	116887	46.052	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	85611	59.245	ug/l	99
3) Chloromethane	1.301	50	100818	52.603	ug/l	100
4) Vinyl Chloride	1.380	62	110747	51.036	ug/l	100
5) Bromomethane	1.611	94	75670	55.224	ug/l	95
6) Chloroethane	1.691	64	69997	49.255	ug/l	97
7) Trichlorofluoromethane	1.892	101	172021	50.108	ug/l	99
8) Diethyl Ether	2.130	74	69847	50.686	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	102673	51.661	ug/l	98
10) Methyl Iodide	2.453	142	151908	51.647	ug/l	100
11) Tert butyl alcohol	2.941	59	128050	271.951	ug/l	98
12) 1,1-Dichloroethene	2.319	96	100155	48.245	ug/l	98
13) Acrolein	2.233	56	17101	251.017	ug/l	95
14) Allyl chloride	2.660	41	185405	47.969	ug/l	98
15) Acrylonitrile	3.050	53	351828	255.961	ug/l	98
16) Acetone	2.367	43	305842	260.019	ug/l	99
17) Carbon Disulfide	2.514	76	270402	46.288	ug/l	99
18) Methyl Acetate	2.697	43	151570	46.890	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	368935	50.327	ug/l	100
20) Methylene Chloride	2.782	84	114010	47.146	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	106333	48.328	ug/l	96
22) Diisopropyl ether	3.745	45	379216	51.095	ug/l	99
23) Vinyl Acetate	3.709	43	1666376	256.363	ug/l	98
24) 1,1-Dichloroethane	3.599	63	200109	49.139	ug/l	99
25) 2-Butanone	4.532	43	455643	261.859	ug/l	98
26) 2,2-Dichloropropane	4.459	77	163644	47.136	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	129205	48.042	ug/l	99
28) Bromochloromethane	4.879	49	86262	43.119	ug/l	99
29) Tetrahydrofuran	4.977	42	315207	253.989	ug/l	99
30) Chloroform	5.074	83	200941	47.796	ug/l	96
31) Cyclohexane	5.458	56	165350	49.555	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	174574	47.580	ug/l	99
36) 1,1-Dichloropropene	5.672	75	135962	46.496	ug/l	99
37) Ethyl Acetate	4.690	43	211595	51.406	ug/l	97
38) Carbon Tetrachloride	5.660	117	152062	45.682	ug/l	94
39) Methylcyclohexane	7.360	83	173445	52.826	ug/l	96
40) Benzene	6.019	78	427699	47.185	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048527.D
 Acq On : 10 Nov 2025 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:41:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	86579	47.829	ug/l	95
42) 1,2-Dichloroethane	6.062	62	147198	47.396	ug/l	100
43) Isopropyl Acetate	6.312	43	283994	49.082	ug/l	99
44) Trichloroethene	7.104	130	109920	50.734	ug/l	96
45) 1,2-Dichloropropane	7.409	63	108666	52.139	ug/l	100
46) Dibromomethane	7.562	93	80004	52.631	ug/l	100
47) Bromodichloromethane	7.799	83	161825	53.363	ug/l	100
48) Methyl methacrylate	7.671	41	139103	54.081	ug/l	99
49) 1,4-Dioxane	7.635	88	50438	1286.929	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	925846	281.104	ug/l	100
52) Toluene	8.702	92	265616	55.659	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	168411	53.896	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	180282	55.719	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	106392	55.801	ug/l	98
56) Ethyl methacrylate	9.098	69	182551	57.548	ug/l	100
57) 1,3-Dichloropropane	9.293	76	180254	54.315	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	507630	297.654	ug/l	100
59) 2-Hexanone	9.415	43	683093	278.816	ug/l	100
60) Dibromochloromethane	9.500	129	130019	55.541	ug/l	99
61) 1,2-Dibromoethane	9.592	107	114609	55.498	ug/l	100
64) Tetrachloroethene	9.256	164	90497	50.047	ug/l	98
65) Chlorobenzene	10.061	112	296520	50.180	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	103698	52.375	ug/l	99
67) Ethyl Benzene	10.177	91	501264	50.517	ug/l	97
68) m/p-Xylenes	10.281	106	387746	103.755	ug/l	100
69) o-Xylene	10.622	106	189852	51.924	ug/l	97
70) Styrene	10.634	104	320200	52.205	ug/l	100
71) Bromoform	10.781	173	92793	50.800	ug/l #	99
73) Isopropylbenzene	10.945	105	475450	51.332	ug/l	100
74) N-amyl acetate	10.823	43	232443	49.980	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	163245	49.978	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	136517m	44.408	ug/l	
77) Bromobenzene	11.183	156	122796	51.342	ug/l	97
78) n-propylbenzene	11.287	91	551408	50.629	ug/l	99
79) 2-Chlorotoluene	11.348	91	330359	50.198	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	387727	51.349	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	57097	53.125	ug/l	96
82) 4-Chlorotoluene	11.433	91	384404	49.795	ug/l	99
83) tert-Butylbenzene	11.695	119	399107	51.103	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	391284	51.359	ug/l	99
85) sec-Butylbenzene	11.872	105	492824	51.056	ug/l	99
86) p-Isopropyltoluene	11.988	119	418758	51.602	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	222074	49.540	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	227433	49.119	ug/l	99
89) n-Butylbenzene	12.311	91	384073	50.451	ug/l	98
90) Hexachloroethane	12.518	117	79022	51.109	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	218152	50.694	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	39864	52.517	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	150147	52.507	ug/l	98
94) Hexachlorobutadiene	13.707	225	60697	50.776	ug/l	98
95) Naphthalene	13.756	128	499922	54.375	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	138859	52.205	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048527.D
Acq On : 10 Nov 2025 09:36
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:41:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048527.D
 Acq On : 10 Nov 2025 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 11 00:41:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	99	0.00
2 T	Dichlorodifluoromethane	0.405	0.480	-18.5	112	0.00
3 P	Chloromethane	0.537	0.565	-5.2	95	0.00
4 C	Vinyl Chloride	0.608	0.621	-2.1#	103	0.00
5 T	Bromomethane	0.384	0.424	-10.4	99	0.00
6 T	Chloroethane	0.398	0.393	1.3	102	0.00
7 T	Trichlorofluoromethane	0.963	0.965	-0.2	108	0.00
8 T	Diethyl Ether	0.386	0.392	-1.6	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.576	-3.4	111	0.00
10 T	Methyl Iodide	0.825	0.852	-3.3	102	0.00
11 T	Tert butyl alcohol	0.132	0.144	-9.1	103	0.00
12 CM	1,1-Dichloroethene	0.582	0.562	3.4#	102	0.00
13 T	Acrolein	0.019	0.019	0.0	94	0.00
14 T	Allyl chloride	1.084	1.040	4.1	98	0.00
15 T	Acrylonitrile	0.385	0.395	-2.6	97	0.00
16 T	Acetone	0.330	0.343	-3.9	103	0.00
17 T	Carbon Disulfide	1.638	1.516	7.4	101	0.00
18 T	Methyl Acetate	0.906	0.850	6.2	97	0.00
19 T	Methyl tert-butyl Ether	2.055	2.069	-0.7	97	0.00
20 T	Methylene Chloride	0.678	0.639	5.8	97	0.00
21 T	trans-1,2-Dichloroethene	0.617	0.596	3.4	99	0.00
22 T	Diisopropyl ether	2.081	2.126	-2.2	102	0.00
23 T	Vinyl Acetate	1.822	1.869	-2.6	101	0.00
24 P	1,1-Dichloroethane	1.142	1.122	1.8	101	0.00
25 T	2-Butanone	0.488	0.511	-4.7	100	0.00
26 T	2,2-Dichloropropane	0.973	0.918	5.7	103	0.00
27 T	cis-1,2-Dichloroethene	0.754	0.725	3.8	99	-0.01
28 T	Bromochloromethane	0.561	0.484	13.7	88	0.00
29 T	Tetrahydrofuran	0.348	0.354	-1.7	100	-0.01
30 C	Chloroform	1.179	1.127	4.4#	100	-0.01
31 T	Cyclohexane	0.936	0.927	1.0	106	0.00
32 T	1,1,1-Trichloroethane	1.029	0.979	4.9	100	0.00
33 S	1,2-Dichloroethane-d4	0.697	0.616	11.6	89	-0.01
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35 S	Dibromofluoromethane	0.378	0.321	15.1	86	0.00
36 T	1,1-Dichloropropene	0.507	0.471	7.1	104	0.00
37 T	Ethyl Acetate	0.713	0.733	-2.8	103	0.00
38 T	Carbon Tetrachloride	0.577	0.527	8.7	102	0.00
39 T	Methylcyclohexane	0.569	0.601	-5.6	111	0.00
40 TM	Benzene	1.571	1.482	5.7	99	0.00
41 T	Methacrylonitrile	0.314	0.300	4.5	95	-0.01
42 TM	1,2-Dichloroethane	0.538	0.510	5.2	100	-0.01
43 T	Isopropyl Acetate	1.003	0.984	1.9	99	-0.01
44 TM	Trichloroethene	0.375	0.381	-1.6	101	0.00
45 C	1,2-Dichloropropane	0.361	0.377	-4.4#	99	0.00
46 T	Dibromomethane	0.263	0.277	-5.3	97	0.00
47 T	Bromodichloromethane	0.526	0.561	-6.7	97	0.00
48 T	Methyl methacrylate	0.446	0.482	-8.1	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048527.D
 Acq On : 10 Nov 2025 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 11 00:41:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.009	-28.6#	111	-0.01
50 S	Toluene-d8	1.180	1.100	6.8	86	0.00
51 T	4-Methyl-2-Pentanone	0.571	0.642	-12.4	97	0.00
52 CM	Toluene	0.827	0.921	-11.4#	99	0.00
53 T	t-1,3-Dichloropropene	0.541	0.584	-7.9	96	0.00
54 T	cis-1,3-Dichloropropene	0.561	0.625	-11.4	97	0.00
55 T	1,1,2-Trichloroethane	0.330	0.369	-11.8	96	0.00
56 T	Ethyl methacrylate	0.550	0.633	-15.1	96	0.00
57 T	1,3-Dichloropropane	0.575	0.625	-8.7	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.296	0.352	-18.9	93	0.00
59 T	2-Hexanone	0.425	0.474	-11.5	96	0.00
60 T	Dibromochloromethane	0.406	0.451	-11.1	97	0.00
61 T	1,2-Dibromoethane	0.358	0.397	-10.9	98	0.00
62 S	4-Bromofluorobenzene	0.440	0.405	8.0	86	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64 T	Tetrachloroethene	0.363	0.364	-0.3	102	0.00
65 PM	Chlorobenzene	1.187	1.191	-0.3	99	0.00
66 T	1,1,1,2-Tetrachloroethane	0.398	0.417	-4.8	97	0.00
67 C	Ethyl Benzene	1.993	2.013	-1.0#	98	0.00
68 T	m/p-Xylenes	0.751	0.779	-3.7	99	0.00
69 T	o-Xylene	0.734	0.763	-4.0	99	0.00
70 T	Styrene	1.232	1.286	-4.4	97	0.00
71 P	Bromoform	0.367	0.373	-1.6	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73 T	Isopropylbenzene	3.629	3.726	-2.7	100	0.00
74 T	N-amyl acetate	1.822	1.822	0.0	95	0.00
75 P	1,1,2,2-Tetrachloroethane	1.280	1.279	0.1	97	0.00
76 T	1,2,3-Trichloropropane	1.205	1.070	11.2	68	0.00
77 T	Bromobenzene	0.937	0.962	-2.7	99	0.00
78 T	n-propylbenzene	4.268	4.321	-1.2	100	0.00
79 T	2-Chlorotoluene	2.579	2.589	-0.4	99	0.00
80 T	1,3,5-Trimethylbenzene	2.959	3.039	-2.7	100	0.00
81 T	trans-1,4-Dichloro-2-butene	0.421	0.447	-6.2	96	0.00
82 T	4-Chlorotoluene	3.025	3.012	0.4	98	0.00
83 T	tert-Butylbenzene	3.060	3.128	-2.2	99	0.00
84 T	1,2,4-Trimethylbenzene	2.985	3.066	-2.7	99	0.00
85 T	sec-Butylbenzene	3.782	3.862	-2.1	103	0.00
86 T	p-Isopropyltoluene	3.180	3.282	-3.2	102	0.00
87 T	1,3-Dichlorobenzene	1.756	1.740	0.9	99	0.00
88 T	1,4-Dichlorobenzene	1.814	1.782	1.8	99	0.00
89 T	n-Butylbenzene	2.983	3.010	-0.9	103	0.00
90 T	Hexachloroethane	0.606	0.619	-2.1	105	0.00
91 T	1,2-Dichlorobenzene	1.686	1.710	-1.4	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.297	0.312	-5.1	98	0.00
93 T	1,2,4-Trichlorobenzene	1.120	1.177	-5.1	103	0.00
94 T	Hexachlorobutadiene	0.468	0.476	-1.7	109	0.00
95 T	Naphthalene	3.603	3.918	-8.7	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048527.D
Acq On : 10 Nov 2025 09:36
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 00:41:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.042	1.088	-4.4	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048527.D
 Acq On : 10 Nov 2025 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 11 00:41:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	99	0.00
2 T	Dichlorodifluoromethane	50.000	59.245	-18.5	112	0.00
3 P	Chloromethane	50.000	52.603	-5.2	95	0.00
4 C	Vinyl Chloride	50.000	51.036	-2.1#	103	0.00
5 T	Bromomethane	50.000	55.224	-10.4	99	0.00
6 T	Chloroethane	50.000	49.255	1.5	102	0.00
7 T	Trichlorofluoromethane	50.000	50.108	-0.2	108	0.00
8 T	Diethyl Ether	50.000	50.686	-1.4	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.661	-3.3	111	0.00
10 T	Methyl Iodide	50.000	51.647	-3.3	102	0.00
11 T	Tert butyl alcohol	250.000	271.951	-8.8	103	0.00
12 CM	1,1-Dichloroethene	50.000	48.245	3.5#	102	0.00
13 T	Acrolein	250.000	251.017	-0.4	94	0.00
14 T	Allyl chloride	50.000	47.969	4.1	98	0.00
15 T	Acrylonitrile	250.000	255.961	-2.4	97	0.00
16 T	Acetone	250.000	260.019	-4.0	103	0.00
17 T	Carbon Disulfide	50.000	46.288	7.4	101	0.00
18 T	Methyl Acetate	50.000	46.890	6.2	97	0.00
19 T	Methyl tert-butyl Ether	50.000	50.327	-0.7	97	0.00
20 T	Methylene Chloride	50.000	47.146	5.7	97	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.328	3.3	99	0.00
22 T	Diisopropyl ether	50.000	51.095	-2.2	102	0.00
23 T	Vinyl Acetate	250.000	256.363	-2.5	101	0.00
24 P	1,1-Dichloroethane	50.000	49.139	1.7	101	0.00
25 T	2-Butanone	250.000	261.859	-4.7	100	0.00
26 T	2,2-Dichloropropane	50.000	47.136	5.7	103	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.042	3.9	99	-0.01
28 T	Bromochloromethane	50.000	43.119	13.8	88	0.00
29 T	Tetrahydrofuran	250.000	253.989	-1.6	100	-0.01
30 C	Chloroform	50.000	47.796	4.4#	100	-0.01
31 T	Cyclohexane	50.000	49.555	0.9	106	0.00
32 T	1,1,1-Trichloroethane	50.000	47.580	4.8	100	0.00
33 S	1,2-Dichloroethane-d4	50.000	44.230	11.5	89	-0.01
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35 S	Dibromofluoromethane	50.000	42.357	15.3	86	0.00
36 T	1,1-Dichloropropene	50.000	46.496	7.0	104	0.00
37 T	Ethyl Acetate	50.000	51.406	-2.8	103	0.00
38 T	Carbon Tetrachloride	50.000	45.682	8.6	102	0.00
39 T	Methylcyclohexane	50.000	52.826	-5.7	111	0.00
40 TM	Benzene	50.000	47.185	5.6	99	0.00
41 T	Methacrylonitrile	50.000	47.829	4.3	95	-0.01
42 TM	1,2-Dichloroethane	50.000	47.396	5.2	100	-0.01
43 T	Isopropyl Acetate	50.000	49.082	1.8	99	-0.01
44 TM	Trichloroethene	50.000	50.734	-1.5	101	0.00
45 C	1,2-Dichloropropane	50.000	52.139	-4.3#	99	0.00
46 T	Dibromomethane	50.000	52.631	-5.3	97	0.00
47 T	Bromodichloromethane	50.000	53.363	-6.7	97	0.00
48 T	Methyl methacrylate	50.000	54.081	-8.2	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048527.D
 Acq On : 10 Nov 2025 09:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 11 00:41:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1286.929	-28.7#	111	-0.01
50 S	Toluene-d8	50.000	46.595	6.8	86	0.00
51 T	4-Methyl-2-Pentanone	250.000	281.104	-12.4	97	0.00
52 CM	Toluene	50.000	55.659	-11.3#	99	0.00
53 T	t-1,3-Dichloropropene	50.000	53.896	-7.8	96	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.719	-11.4	97	0.00
55 T	1,1,2-Trichloroethane	50.000	55.801	-11.6	96	0.00
56 T	Ethyl methacrylate	50.000	57.548	-15.1	96	0.00
57 T	1,3-Dichloropropane	50.000	54.315	-8.6	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	297.654	-19.1	93	0.00
59 T	2-Hexanone	250.000	278.816	-11.5	96	0.00
60 T	Dibromochloromethane	50.000	55.541	-11.1	97	0.00
61 T	1,2-Dibromoethane	50.000	55.498	-11.0	98	0.00
62 S	4-Bromofluorobenzene	50.000	46.052	7.9	86	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64 T	Tetrachloroethene	50.000	50.047	-0.1	102	0.00
65 PM	Chlorobenzene	50.000	50.180	-0.4	99	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.375	-4.8	97	0.00
67 C	Ethyl Benzene	50.000	50.517	-1.0#	98	0.00
68 T	m/p-Xylenes	100.000	103.755	-3.8	99	0.00
69 T	o-Xylene	50.000	51.924	-3.8	99	0.00
70 T	Styrene	50.000	52.205	-4.4	97	0.00
71 P	Bromoform	50.000	50.800	-1.6	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73 T	Isopropylbenzene	50.000	51.332	-2.7	100	0.00
74 T	N-amyl acetate	50.000	49.980	0.0	95	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.978	0.0	97	0.00
76 T	1,2,3-Trichloropropane	50.000	44.408	11.2	68	0.00
77 T	Bromobenzene	50.000	51.342	-2.7	99	0.00
78 T	n-propylbenzene	50.000	50.629	-1.3	100	0.00
79 T	2-Chlorotoluene	50.000	50.198	-0.4	99	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.349	-2.7	100	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	53.125	-6.3	96	0.00
82 T	4-Chlorotoluene	50.000	49.795	0.4	98	0.00
83 T	tert-Butylbenzene	50.000	51.103	-2.2	99	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.359	-2.7	99	0.00
85 T	sec-Butylbenzene	50.000	51.056	-2.1	103	0.00
86 T	p-Isopropyltoluene	50.000	51.602	-3.2	102	0.00
87 T	1,3-Dichlorobenzene	50.000	49.540	0.9	99	0.00
88 T	1,4-Dichlorobenzene	50.000	49.119	1.8	99	0.00
89 T	n-Butylbenzene	50.000	50.451	-0.9	103	0.00
90 T	Hexachloroethane	50.000	51.109	-2.2	105	0.00
91 T	1,2-Dichlorobenzene	50.000	50.694	-1.4	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.517	-5.0	98	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.507	-5.0	103	0.00
94 T	Hexachlorobutadiene	50.000	50.776	-1.6	109	0.00
95 T	Naphthalene	50.000	54.375	-8.8	99	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048527.D
Acq On : 10 Nov 2025 09:36
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 11 00:41:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.205	-4.4	100	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3584</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>11/11/2025 09:11</u>
Lab File ID:	<u>VX048549.D</u>	Init. Calib. Date(s):	<u>11/07/2025 11/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:35 16:29</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.405	0.466		15.06	20
Chloromethane	0.537	0.528	0.1	-1.68	20
Vinyl Chloride	0.608	0.597		-1.81	20
Bromomethane	0.384	0.402		4.69	20
Chloroethane	0.398	0.362		-9.05	20
Trichlorofluoromethane	0.963	0.932		-3.22	20
1,1,2-Trichlorotrifluoroethane	0.557	0.572		2.69	20
1,1-Dichloroethene	0.582	0.565		-2.92	20
Acetone	0.330	0.355		7.58	20
Carbon Disulfide	1.638	1.499		-8.49	20
Methyl tert-butyl Ether	2.055	2.037		-0.88	20
Methyl Acetate	0.906	0.818		-9.71	20
Methylene Chloride	0.678	0.631		-6.93	20
trans-1,2-Dichloroethene	0.617	0.595		-3.57	20
1,1-Dichloroethane	1.142	1.079	0.1	-5.52	20
Cyclohexane	0.936	0.909		-2.88	20
2-Butanone	0.488	0.483		-1.02	20
Carbon Tetrachloride	0.577	0.547		-5.2	20
cis-1,2-Dichloroethene	0.754	0.722		-4.24	20
Bromochloromethane	0.561	0.501		-10.69	20
Chloroform	1.179	1.110		-5.85	20
1,1,1-Trichloroethane	1.029	0.988		-3.98	20
Methylcyclohexane	0.569	0.596		4.74	20
Benzene	1.571	1.454		-7.45	20
1,2-Dichloroethane	0.538	0.509		-5.39	20
Trichloroethene	0.375	0.381		1.6	20
1,2-Dichloropropane	0.361	0.368		1.94	20
Bromodichloromethane	0.526	0.558		6.08	20
4-Methyl-2-Pentanone	0.571	0.616		7.88	20
Toluene	0.827	0.915		10.64	20
t-1,3-Dichloropropene	0.541	0.577		6.65	20
cis-1,3-Dichloropropene	0.561	0.615		9.63	20
1,1,2-Trichloroethane	0.330	0.375		13.64	20
2-Hexanone	0.425	0.458		7.76	20
Dibromochloromethane	0.406	0.462		13.79	20
1,2-Dibromoethane	0.358	0.408		13.97	20
Tetrachloroethene	0.363	0.375		3.31	20
Chlorobenzene	1.187	1.189	0.3	0.17	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3584</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>11/11/2025 09:11</u>
Lab File ID:	<u>VX048549.D</u>	Init. Calib. Date(s):	<u>11/07/2025 11/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:35 16:29</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.993	1.994		0.05	20
m/p-Xylenes	0.751	0.769		2.4	20
o-Xylene	0.734	0.745		1.5	20
Styrene	1.232	1.280		3.9	20
Bromoform	0.367	0.379	0.1	3.27	20
Isopropylbenzene	3.629	3.739		3.03	20
1,1,2,2-Tetrachloroethane	1.280	1.273	0.3	-0.55	20
1,3-Dichlorobenzene	1.756	1.772		0.91	20
1,4-Dichlorobenzene	1.814	1.786		-1.54	20
1,2-Dichlorobenzene	1.686	1.672		-0.83	20
1,2-Dibromo-3-Chloropropane	0.297	0.296		-0.34	20
1,2,4-Trichlorobenzene	1.120	1.127		0.63	20
1,2,3-Trichlorobenzene	1.042	1.050		0.77	20
1,2-Dichloroethane-d4	0.697	0.650		-6.74	20
Dibromofluoromethane	0.378	0.350		-7.41	20
Toluene-d8	1.180	1.199		1.61	20
4-Bromofluorobenzene	0.440	0.440		0	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_X\Data\VX111125\
 Data File : VX048549.D
 Acq On : 11 Nov 2025 09:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:39:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	181006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	289835	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	252348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129793	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	117674	46.656	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.320%
35) Dibromofluoromethane	5.361	113	101428	46.237	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.480%
50) Toluene-d8	8.629	98	347402	50.778	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.560%
62) 4-Bromofluorobenzene	11.061	95	127579	50.038	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.080%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	84413	57.553	ug/l	100
3) Chloromethane	1.301	50	95483	49.083	ug/l	100
4) Vinyl Chloride	1.380	62	108011	49.039	ug/l	98
5) Bromomethane	1.611	94	72795	52.341	ug/l	95
6) Chloroethane	1.691	64	65499	45.408	ug/l	97
7) Trichlorofluoromethane	1.892	101	168738	48.425	ug/l	99
8) Diethyl Ether	2.130	74	68279	48.816	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	103600	51.356	ug/l	99
10) Methyl Iodide	2.453	142	145352	48.687	ug/l	99
11) Tert butyl alcohol	2.934	59	110639	231.500	ug/l	98
12) 1,1-Dichloroethene	2.325	96	102193	48.499	ug/l	95
13) Acrolein	2.233	56	44548	644.231	ug/l	97
14) Allyl chloride	2.660	41	180380	45.979	ug/l	99
15) Acrylonitrile	3.050	53	352100	252.371	ug/l	100
16) Acetone	2.367	43	321308	269.129	ug/l	99
17) Carbon Disulfide	2.514	76	271299	45.755	ug/l	99
18) Methyl Acetate	2.691	43	148062	45.128	ug/l	98
19) Methyl tert-butyl Ether	3.099	73	368657	49.545	ug/l	100
20) Methylene Chloride	2.782	84	114295	46.565	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	107635	48.196	ug/l	97
22) Diisopropyl ether	3.745	45	362407	48.109	ug/l	95
23) Vinyl Acetate	3.703	43	1615711	244.894	ug/l	100
24) 1,1-Dichloroethane	3.599	63	195251	47.237	ug/l	99
25) 2-Butanone	4.526	43	437429	247.675	ug/l	100
26) 2,2-Dichloropropane	4.459	77	166386	47.217	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	130727	47.889	ug/l	98
28) Bromochloromethane	4.873	49	90715	44.675	ug/l	97
29) Tetrahydrofuran	4.977	42	296740	235.574	ug/l	99
30) Chloroform	5.074	83	200870	47.073	ug/l	98
31) Cyclohexane	5.446	56	164598	48.600	ug/l	97
32) 1,1,1-Trichloroethane	5.361	97	178780	48.006	ug/l	99
36) 1,1-Dichloropropene	5.672	75	136017	46.305	ug/l	99
37) Ethyl Acetate	4.684	43	200610	48.518	ug/l	99
38) Carbon Tetrachloride	5.660	117	158683	47.456	ug/l	98
39) Methylcyclohexane	7.360	83	172712	52.366	ug/l	97
40) Benzene	6.019	78	421485	46.290	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048549.D
 Acq On : 11 Nov 2025 09:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:39:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	90489	49.764	ug/l	98
42) 1,2-Dichloroethane	6.062	62	147507	47.282	ug/l	100
43) Isopropyl Acetate	6.312	43	271243	46.667	ug/l	99
44) Trichloroethene	7.104	130	110527	50.784	ug/l	97
45) 1,2-Dichloropropane	7.409	63	106703	50.967	ug/l	99
46) Dibromomethane	7.562	93	80349	52.619	ug/l	99
47) Bromodichloromethane	7.799	83	161608	53.051	ug/l	98
48) Methyl methacrylate	7.671	41	134101	51.902	ug/l	99
49) 1,4-Dioxane	7.635	88	42128	1070.051	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	892331	269.707	ug/l	99
52) Toluene	8.696	92	265187	55.319	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	167305	53.300	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	178351	54.873	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	108792	56.803	ug/l	97
56) Ethyl methacrylate	9.098	69	181616	56.995	ug/l	98
57) 1,3-Dichloropropane	9.287	76	181544	54.457	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	519188	303.058	ug/l	98
59) 2-Hexanone	9.409	43	663367	269.544	ug/l	99
60) Dibromochloromethane	9.500	129	134047	57.004	ug/l	99
61) 1,2-Dibromoethane	9.592	107	118197	56.978	ug/l	99
64) Tetrachloroethene	9.256	164	94591	51.608	ug/l	95
65) Chlorobenzene	10.061	112	300089	50.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.140	131	104554	52.098	ug/l	99
67) Ethyl Benzene	10.177	91	503070	50.018	ug/l	95
68) m/p-Xylenes	10.281	106	388150	102.468	ug/l	99
69) o-Xylene	10.622	106	188033	50.735	ug/l	99
70) Styrene	10.634	104	323065	51.964	ug/l	99
71) Bromoform	10.781	173	95564	51.614	ug/l	100
73) Isopropylbenzene	10.945	105	485332	51.515	ug/l	100
74) N-amyl acetate	10.823	43	228279	48.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	165163	49.712	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	158487m	50.685	ug/l	
77) Bromobenzene	11.177	156	123289	50.679	ug/l	99
78) n-propylbenzene	11.287	91	561861	50.719	ug/l	99
79) 2-Chlorotoluene	11.348	91	334184	49.923	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	392309	51.080	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	57541	52.635	ug/l	94
82) 4-Chlorotoluene	11.433	91	394909	50.293	ug/l	100
83) tert-Butylbenzene	11.695	119	415526	52.308	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	398772	51.459	ug/l	99
85) sec-Butylbenzene	11.872	105	504559	51.391	ug/l	100
86) p-Isopropyltoluene	11.988	119	427948	51.845	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	230048	50.454	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	231812	49.220	ug/l	100
89) n-Butylbenzene	12.311	91	393463	50.813	ug/l	99
90) Hexachloroethane	12.518	117	80049	50.900	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	217036	49.584	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	38380	49.709	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	146240	50.278	ug/l	99
94) Hexachlorobutadiene	13.707	225	60977	50.150	ug/l	98
95) Naphthalene	13.756	128	490084	52.406	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	136264	50.366	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048549.D
Acq On : 11 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

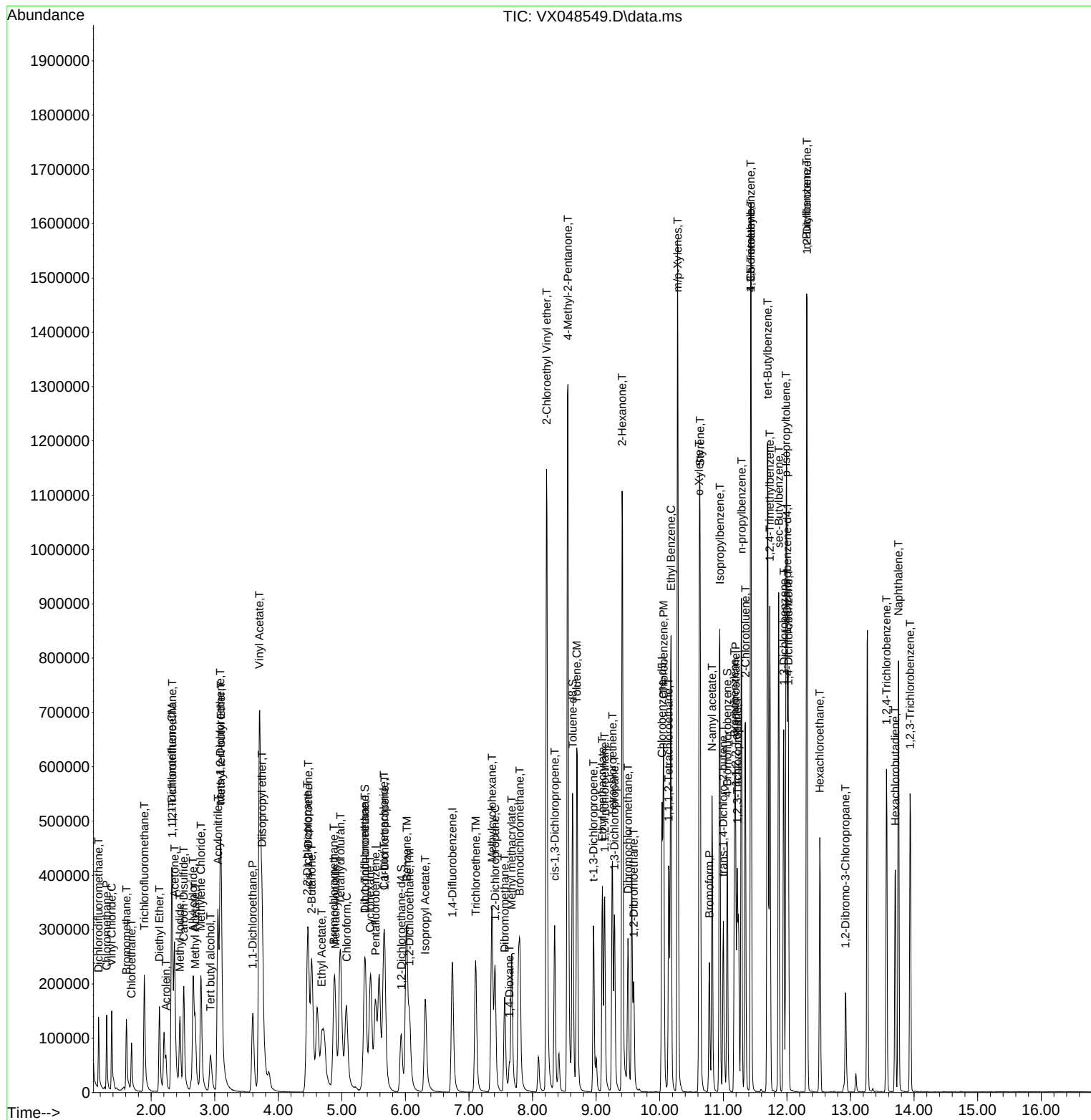
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048549.D
Acq On    : 11 Nov 2025  09:11
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048549.D
 Acq On : 11 Nov 2025 09:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 12 04:39:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	0.405	0.466	-15.1	111	0.00
3 P	Chloromethane	0.537	0.528	1.7	90	0.00
4 C	Vinyl Chloride	0.608	0.597	1.8#	100	0.00
5 T	Bromomethane	0.384	0.402	-4.7	95	0.00
6 T	Chloroethane	0.398	0.362	9.0	95	0.00
7 T	Trichlorofluoromethane	0.963	0.932	3.2	106	0.00
8 T	Diethyl Ether	0.386	0.377	2.3	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.557	0.572	-2.7	112	0.00
10 T	Methyl Iodide	0.825	0.803	2.7	98	0.00
11 T	Tert butyl alcohol	0.132	0.122	7.6	89	0.00
12 CM	1,1-Dichloroethene	0.582	0.565	2.9#	104	0.00
13 T	Acrolein	0.019	0.049	-157.9#	245#	0.00
14 T	Allyl chloride	1.084	0.997	8.0	96	0.00
15 T	Acrylonitrile	0.385	0.389	-1.0	97	0.00
16 T	Acetone	0.330	0.355	-7.6	108	0.00
17 T	Carbon Disulfide	1.638	1.499	8.5	101	0.00
18 T	Methyl Acetate	0.906	0.818	9.7	95	0.00
19 T	Methyl tert-butyl Ether	2.055	2.037	0.9	97	0.00
20 T	Methylene Chloride	0.678	0.631	6.9	97	0.00
21 T	trans-1,2-Dichloroethene	0.617	0.595	3.6	100	0.00
22 T	Diisopropyl ether	2.081	2.002	3.8	98	0.00
23 T	Vinyl Acetate	1.822	1.785	2.0	98	-0.01
24 P	1,1-Dichloroethane	1.142	1.079	5.5	98	0.00
25 T	2-Butanone	0.488	0.483	1.0	96	-0.01
26 T	2,2-Dichloropropane	0.973	0.919	5.5	105	0.00
27 T	cis-1,2-Dichloroethene	0.754	0.722	4.2	100	-0.01
28 T	Bromochloromethane	0.561	0.501	10.7	93	-0.01
29 T	Tetrahydrofuran	0.348	0.328	5.7	95	-0.01
30 C	Chloroform	1.179	1.110	5.9#	100	-0.01
31 T	Cyclohexane	0.936	0.909	2.9	105	-0.01
32 T	1,1,1-Trichloroethane	1.029	0.988	4.0	102	-0.01
33 S	1,2-Dichloroethane-d4	0.697	0.650	6.7	95	-0.01
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35 S	Dibromofluoromethane	0.378	0.350	7.4	94	-0.01
36 T	1,1-Dichloropropene	0.507	0.469	7.5	104	0.00
37 T	Ethyl Acetate	0.713	0.692	2.9	98	-0.01
38 T	Carbon Tetrachloride	0.577	0.547	5.2	106	0.00
39 T	Methylcyclohexane	0.569	0.596	-4.7	110	0.00
40 TM	Benzene	1.571	1.454	7.4	97	0.00
41 T	Methacrylonitrile	0.314	0.312	0.6	100	0.00
42 TM	1,2-Dichloroethane	0.538	0.509	5.4	100	-0.01
43 T	Isopropyl Acetate	1.003	0.936	6.7	95	-0.01
44 TM	Trichloroethene	0.375	0.381	-1.6	101	0.00
45 C	1,2-Dichloropropane	0.361	0.368	-1.9#	97	0.00
46 T	Dibromomethane	0.263	0.277	-5.3	98	0.00
47 T	Bromodichloromethane	0.526	0.558	-6.1	97	0.00
48 T	Methyl methacrylate	0.446	0.463	-3.8	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048549.D
 Acq On : 11 Nov 2025 09:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 12 04:39:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.007	0.0	93	-0.01
50 S	Toluene-d8	1.180	1.199	-1.6	94	0.00
51 T	4-Methyl-2-Pentanone	0.571	0.616	-7.9	94	0.00
52 CM	Toluene	0.827	0.915	-10.6#	98	0.00
53 T	t-1,3-Dichloropropene	0.541	0.577	-6.7	95	0.00
54 T	cis-1,3-Dichloropropene	0.561	0.615	-9.6	96	0.00
55 T	1,1,2-Trichloroethane	0.330	0.375	-13.6	98	0.00
56 T	Ethyl methacrylate	0.550	0.627	-14.0	96	0.00
57 T	1,3-Dichloropropane	0.575	0.626	-8.9	95	0.00
58 T	2-Chloroethyl Vinyl ether	0.296	0.358	-20.9	95	0.00
59 T	2-Hexanone	0.425	0.458	-7.8	93	0.00
60 T	Dibromochloromethane	0.406	0.462	-13.8	100	0.00
61 T	1,2-Dibromoethane	0.358	0.408	-14.0	101	0.00
62 S	4-Bromofluorobenzene	0.440	0.440	0.0	94	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64 T	Tetrachloroethene	0.363	0.375	-3.3	106	0.00
65 PM	Chlorobenzene	1.187	1.189	-0.2	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.398	0.414	-4.0	98	0.00
67 C	Ethyl Benzene	1.993	1.994	-0.1#	98	0.00
68 T	m/p-Xylenes	0.751	0.769	-2.4	99	0.00
69 T	o-Xylene	0.734	0.745	-1.5	98	0.00
70 T	Styrene	1.232	1.280	-3.9	98	0.00
71 P	Bromoform	0.367	0.379	-3.3	101	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73 T	Isopropylbenzene	3.629	3.739	-3.0	102	0.00
74 T	N-amyl acetate	1.822	1.759	3.5	93	0.00
75 P	1,1,2,2-Tetrachloroethane	1.280	1.273	0.5	98	0.00
76 T	1,2,3-Trichloropropane	1.205	1.221	-1.3	79	0.00
77 T	Bromobenzene	0.937	0.950	-1.4	99	0.00
78 T	n-propylbenzene	4.268	4.329	-1.4	102	0.00
79 T	2-Chlorotoluene	2.579	2.575	0.2	100	0.00
80 T	1,3,5-Trimethylbenzene	2.959	3.023	-2.2	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.421	0.443	-5.2	97	0.00
82 T	4-Chlorotoluene	3.025	3.043	-0.6	101	0.00
83 T	tert-Butylbenzene	3.060	3.201	-4.6	103	0.00
84 T	1,2,4-Trimethylbenzene	2.985	3.072	-2.9	100	0.00
85 T	sec-Butylbenzene	3.782	3.887	-2.8	105	0.00
86 T	p-Isopropyltoluene	3.180	3.297	-3.7	104	0.00
87 T	1,3-Dichlorobenzene	1.756	1.772	-0.9	102	0.00
88 T	1,4-Dichlorobenzene	1.814	1.786	1.5	101	0.00
89 T	n-Butylbenzene	2.983	3.031	-1.6	106	0.00
90 T	Hexachloroethane	0.606	0.617	-1.8	106	0.00
91 T	1,2-Dichlorobenzene	1.686	1.672	0.8	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.297	0.296	0.3	94	0.00
93 T	1,2,4-Trichlorobenzene	1.120	1.127	-0.6	100	0.00
94 T	Hexachlorobutadiene	0.468	0.470	-0.4	109	0.00
95 T	Naphthalene	3.603	3.776	-4.8	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048549.D
Acq On : 11 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 12 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.042	1.050	-0.8	98	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048549.D
 Acq On : 11 Nov 2025 09:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 12 04:39:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	50.000	57.553	-15.1	111	0.00
3 P	Chloromethane	50.000	49.083	1.8	90	0.00
4 C	Vinyl Chloride	50.000	49.039	1.9#	100	0.00
5 T	Bromomethane	50.000	52.341	-4.7	95	0.00
6 T	Chloroethane	50.000	45.408	9.2	95	0.00
7 T	Trichlorofluoromethane	50.000	48.425	3.2	106	0.00
8 T	Diethyl Ether	50.000	48.816	2.4	96	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.356	-2.7	112	0.00
10 T	Methyl Iodide	50.000	48.687	2.6	98	0.00
11 T	Tert butyl alcohol	250.000	231.500	7.4	89	0.00
12 CM	1,1-Dichloroethene	50.000	48.499	3.0#	104	0.00
13 T	Acrolein	250.000	644.231	-157.7#	245	0.00
14 T	Allyl chloride	50.000	45.979	8.0	96	0.00
15 T	Acrylonitrile	250.000	252.371	-0.9	97	0.00
16 T	Acetone	250.000	269.129	-7.7	108	0.00
17 T	Carbon Disulfide	50.000	45.755	8.5	101	0.00
18 T	Methyl Acetate	50.000	45.128	9.7	95	0.00
19 T	Methyl tert-butyl Ether	50.000	49.545	0.9	97	0.00
20 T	Methylene Chloride	50.000	46.565	6.9	97	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.196	3.6	100	0.00
22 T	Diisopropyl ether	50.000	48.109	3.8	98	0.00
23 T	Vinyl Acetate	250.000	244.894	2.0	98	-0.01
24 P	1,1-Dichloroethane	50.000	47.237	5.5	98	0.00
25 T	2-Butanone	250.000	247.675	0.9	96	-0.01
26 T	2,2-Dichloropropane	50.000	47.217	5.6	105	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.889	4.2	100	-0.01
28 T	Bromochloromethane	50.000	44.675	10.7	93	-0.01
29 T	Tetrahydrofuran	250.000	235.574	5.8	95	-0.01
30 C	Chloroform	50.000	47.073	5.9#	100	-0.01
31 T	Cyclohexane	50.000	48.600	2.8	105	-0.01
32 T	1,1,1-Trichloroethane	50.000	48.006	4.0	102	-0.01
33 S	1,2-Dichloroethane-d4	50.000	46.656	6.7	95	-0.01
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35 S	Dibromofluoromethane	50.000	46.237	7.5	94	-0.01
36 T	1,1-Dichloropropene	50.000	46.305	7.4	104	0.00
37 T	Ethyl Acetate	50.000	48.518	3.0	98	-0.01
38 T	Carbon Tetrachloride	50.000	47.456	5.1	106	0.00
39 T	Methylcyclohexane	50.000	52.366	-4.7	110	0.00
40 TM	Benzene	50.000	46.290	7.4	97	0.00
41 T	Methacrylonitrile	50.000	49.764	0.5	100	0.00
42 TM	1,2-Dichloroethane	50.000	47.282	5.4	100	-0.01
43 T	Isopropyl Acetate	50.000	46.667	6.7	95	-0.01
44 TM	Trichloroethene	50.000	50.784	-1.6	101	0.00
45 C	1,2-Dichloropropane	50.000	50.967	-1.9#	97	0.00
46 T	Dibromomethane	50.000	52.619	-5.2	98	0.00
47 T	Bromodichloromethane	50.000	53.051	-6.1	97	0.00
48 T	Methyl methacrylate	50.000	51.902	-3.8	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048549.D
 Acq On : 11 Nov 2025 09:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Nov 12 04:39:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1070.051	-7.0	93	-0.01
50 S	Toluene-d8	50.000	50.778	-1.6	94	0.00
51 T	4-Methyl-2-Pentanone	250.000	269.707	-7.9	94	0.00
52 CM	Toluene	50.000	55.319	-10.6#	98	0.00
53 T	t-1,3-Dichloropropene	50.000	53.300	-6.6	95	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.873	-9.7	96	0.00
55 T	1,1,2-Trichloroethane	50.000	56.803	-13.6	98	0.00
56 T	Ethyl methacrylate	50.000	56.995	-14.0	96	0.00
57 T	1,3-Dichloropropane	50.000	54.457	-8.9	95	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	303.058	-21.2	95	0.00
59 T	2-Hexanone	250.000	269.544	-7.8	93	0.00
60 T	Dibromochloromethane	50.000	57.004	-14.0	100	0.00
61 T	1,2-Dibromoethane	50.000	56.978	-14.0	101	0.00
62 S	4-Bromofluorobenzene	50.000	50.038	-0.1	94	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64 T	Tetrachloroethene	50.000	51.608	-3.2	106	0.00
65 PM	Chlorobenzene	50.000	50.102	-0.2	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.098	-4.2	98	0.00
67 C	Ethyl Benzene	50.000	50.018	-0.0#	98	0.00
68 T	m/p-Xylenes	100.000	102.468	-2.5	99	0.00
69 T	o-Xylene	50.000	50.735	-1.5	98	0.00
70 T	Styrene	50.000	51.964	-3.9	98	0.00
71 P	Bromoform	50.000	51.614	-3.2	101	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73 T	Isopropylbenzene	50.000	51.515	-3.0	102	0.00
74 T	N-ethyl acetate	50.000	48.257	3.5	93	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.712	0.6	98	0.00
76 T	1,2,3-Trichloropropane	50.000	50.685	-1.4	79	0.00
77 T	Bromobenzene	50.000	50.679	-1.4	99	0.00
78 T	n-propylbenzene	50.000	50.719	-1.4	102	0.00
79 T	2-Chlorotoluene	50.000	49.923	0.2	100	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.080	-2.2	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.635	-5.3	97	0.00
82 T	4-Chlorotoluene	50.000	50.293	-0.6	101	0.00
83 T	tert-Butylbenzene	50.000	52.308	-4.6	103	0.00
84 T	1,2,4-Trimethylbenzene	50.000	51.459	-2.9	100	0.00
85 T	sec-Butylbenzene	50.000	51.391	-2.8	105	0.00
86 T	p-Isopropyltoluene	50.000	51.845	-3.7	104	0.00
87 T	1,3-Dichlorobenzene	50.000	50.454	-0.9	102	0.00
88 T	1,4-Dichlorobenzene	50.000	49.220	1.6	101	0.00
89 T	n-Butylbenzene	50.000	50.813	-1.6	106	0.00
90 T	Hexachloroethane	50.000	50.900	-1.8	106	0.00
91 T	1,2-Dichlorobenzene	50.000	49.584	0.8	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.709	0.6	94	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.278	-0.6	100	0.00
94 T	Hexachlorobutadiene	50.000	50.150	-0.3	109	0.00
95 T	Naphthalene	50.000	52.406	-4.8	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048549.D
Acq On : 11 Nov 2025 09:11
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Nov 12 04:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.366	-0.7	98	0.00

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



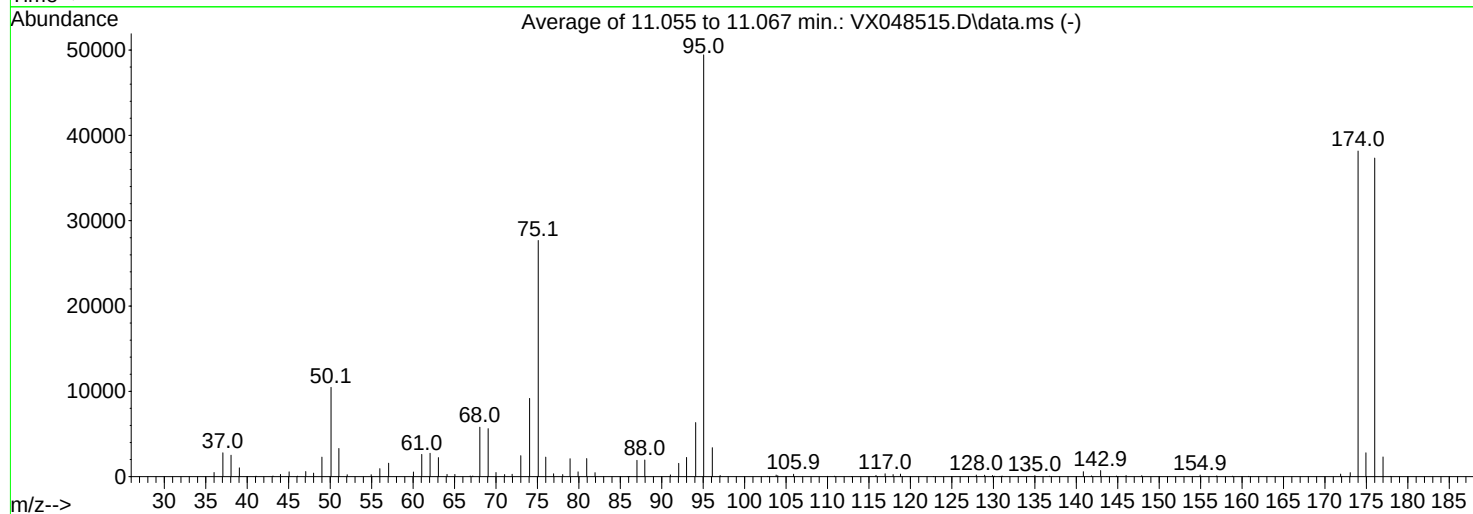
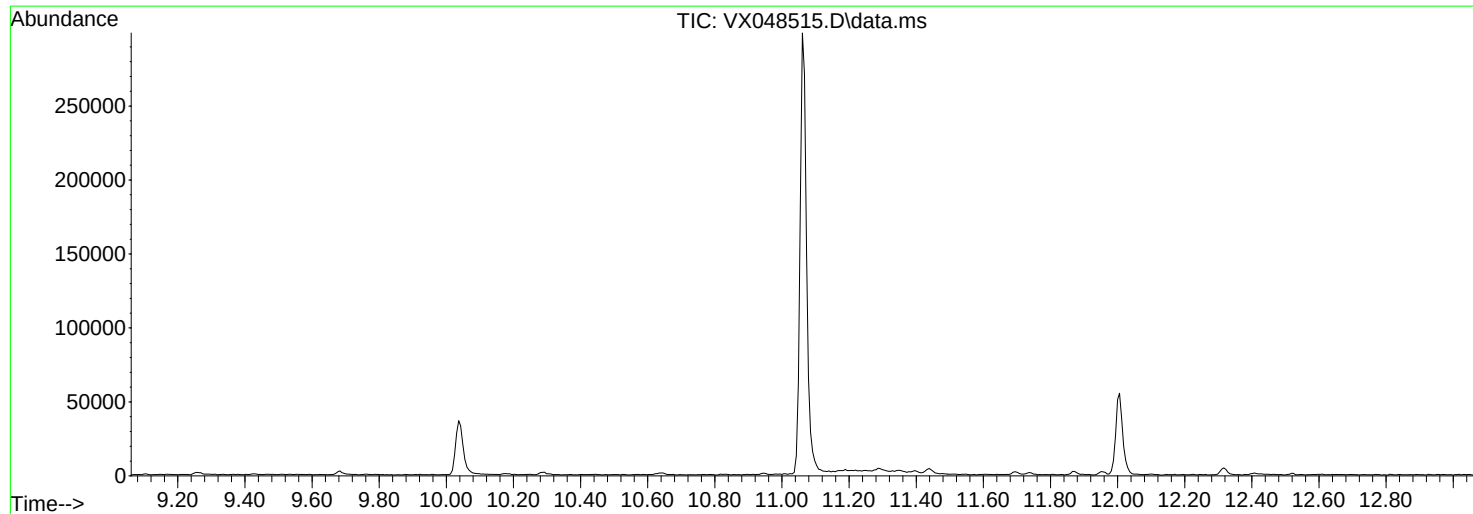
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
Data File : VX048515.D
Acq On : 07 Nov 2025 13:06
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Title : SW846 8260
Last Update : Sat Nov 08 05:08:11 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

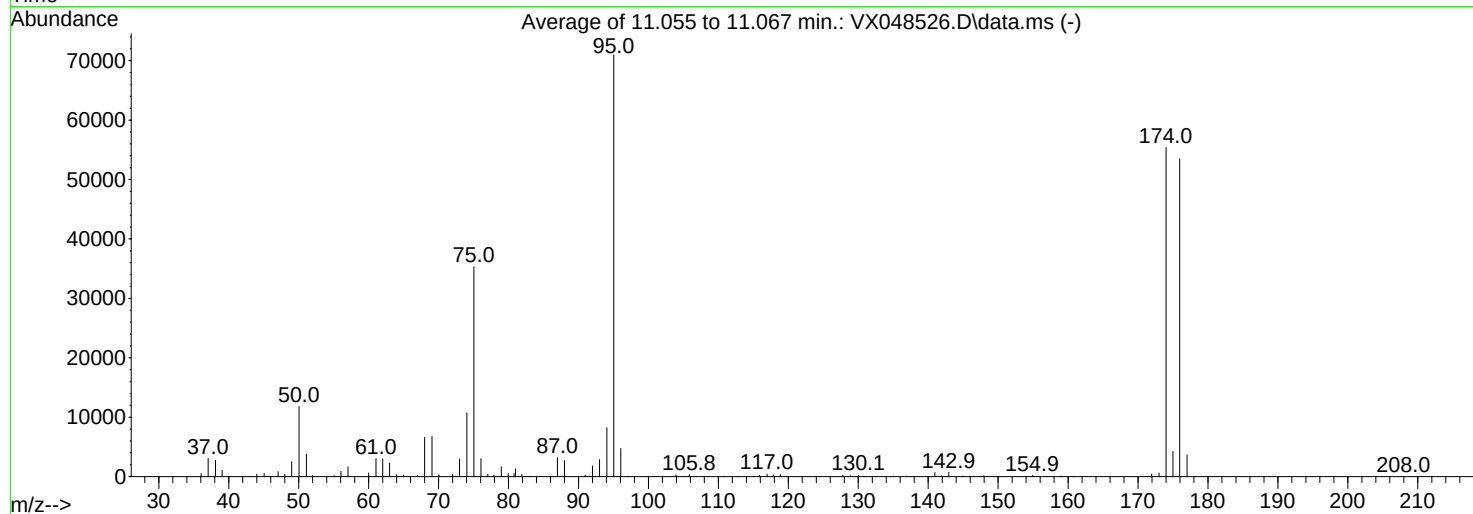
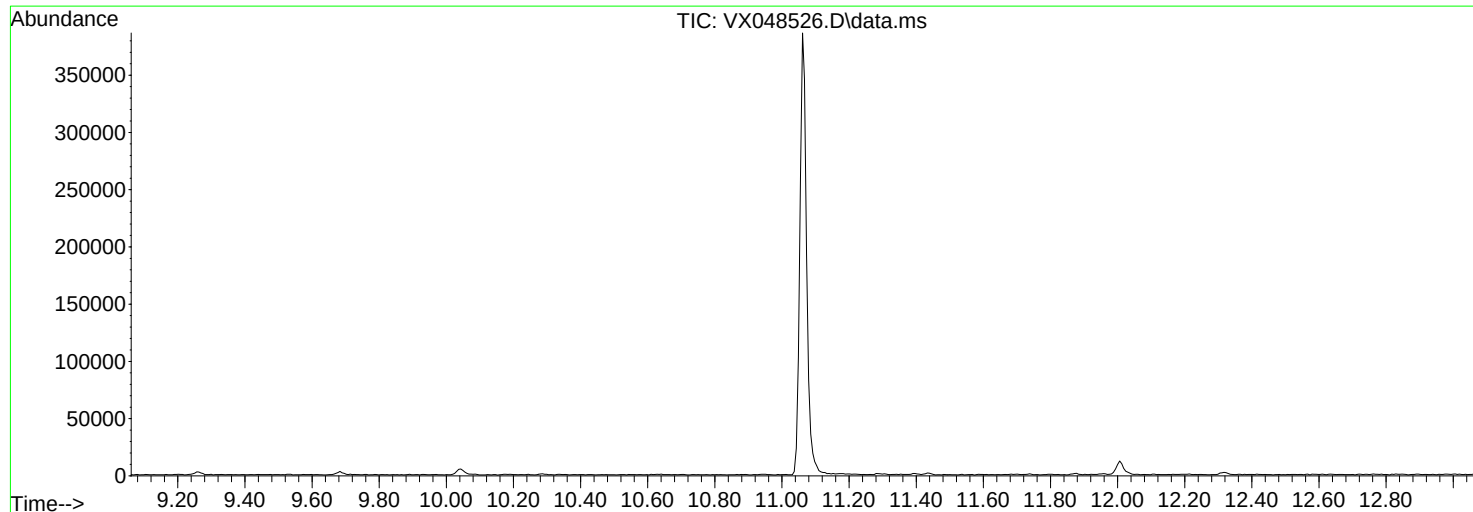
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	10458	PASS
75	95	30	60	56.0	27675	PASS
95	95	100	100	100.0	49437	PASS
96	95	5	9	6.8	3386	PASS
173	174	0.00	2	1.2	472	PASS
174	95	50	100	77.2	38160	PASS
175	174	5	9	7.3	2798	PASS
176	174	95	101	97.9	37347	PASS
177	176	5	9	6.2	2308	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048526.D
Acq On : 10 Nov 2025 08:34
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Title : SW846 8260
Last Update : Sat Nov 08 05:08:11 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

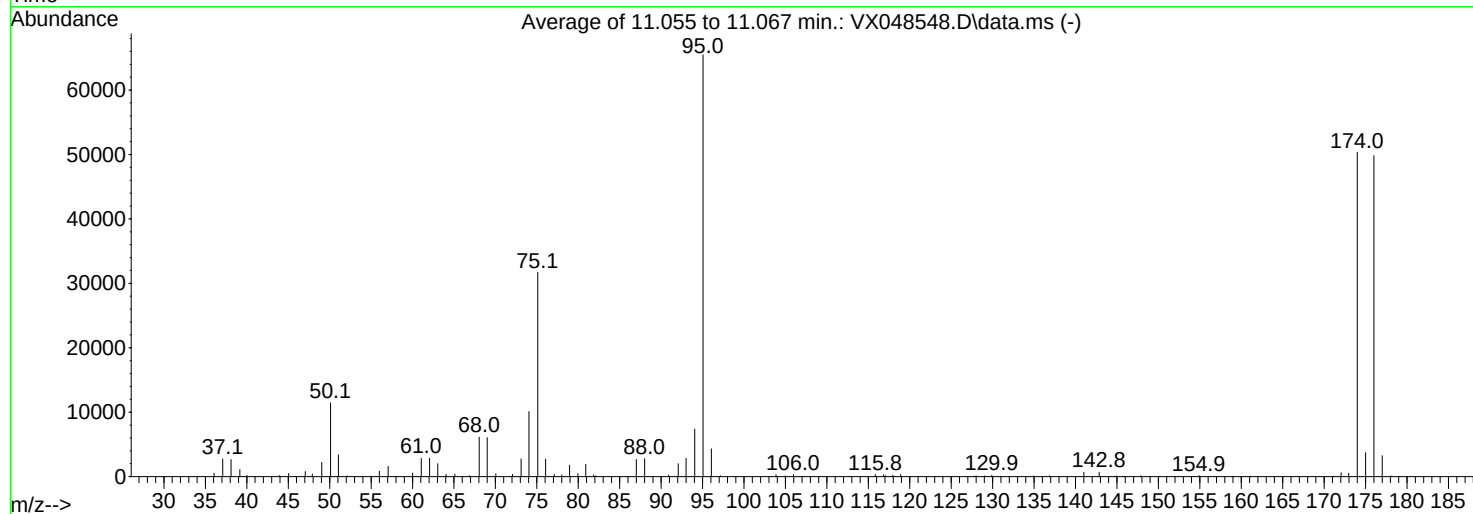
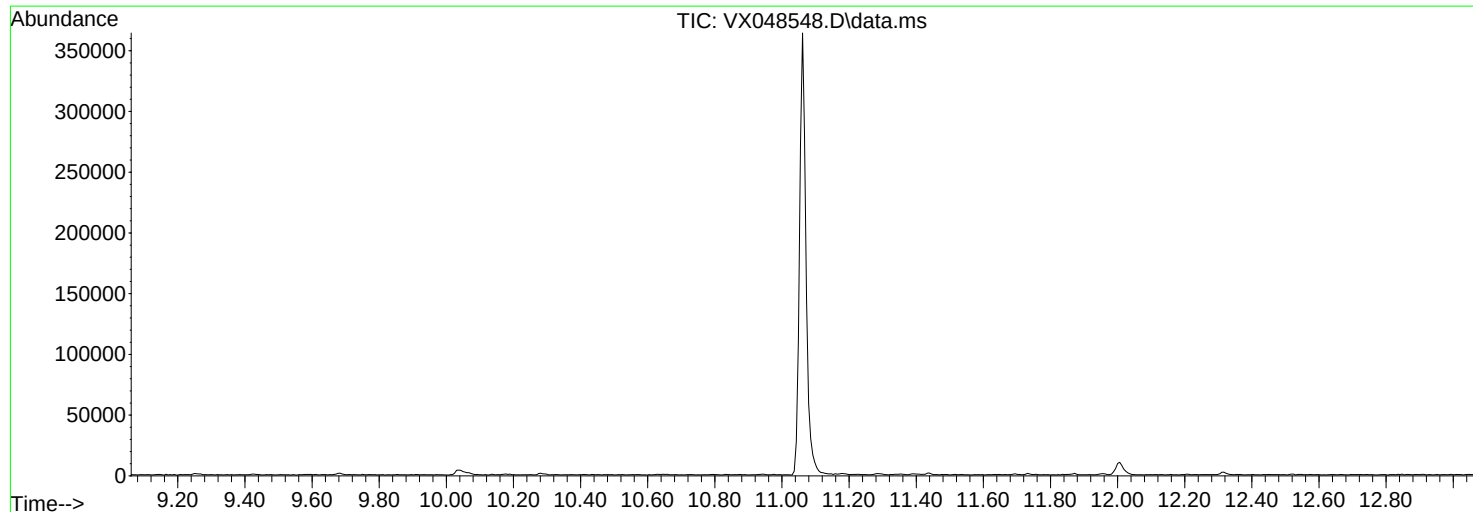
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	11784	PASS
75	95	30	60	49.8	35317	PASS
95	95	100	100	100.0	70979	PASS
96	95	5	9	6.7	4756	PASS
173	174	0.00	2	1.1	614	PASS
174	95	50	100	78.0	55384	PASS
175	174	5	9	7.6	4233	PASS
176	174	95	101	96.6	53493	PASS
177	176	5	9	6.9	3673	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048548.D
Acq On : 11 Nov 2025 08:09
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Title : SW846 8260
Last Update : Sat Nov 08 05:08:11 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	17.5	11450	PASS
75	95	30	60	48.4	31709	PASS
95	95	100	100	100.0	65464	PASS
96	95	5	9	6.6	4312	PASS
173	174	0.00	2	1.0	519	PASS
174	95	50	100	76.9	50333	PASS
175	174	5	9	7.4	3739	PASS
176	174	95	101	99.0	49821	PASS
177	176	5	9	6.5	3263	PASS

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VX1110WBL01
 Lab Sample ID: VX1110WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3584
 Matrix: Water
 % Solid: 0
 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	11/10/25 10:04	VX111025
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/10/25 10:04	VX111025
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/10/25 10:04	VX111025
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/10/25 10:04	VX111025
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/10/25 10:04	VX111025
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/10/25 10:04	VX111025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/10/25 10:04	VX111025
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 10:04	VX111025
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/10/25 10:04	VX111025
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/10/25 10:04	VX111025
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/10/25 10:04	VX111025
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/10/25 10:04	VX111025
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/10/25 10:04	VX111025
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 10:04	VX111025
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/10/25 10:04	VX111025
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/10/25 10:04	VX111025
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/10/25 10:04	VX111025
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/10/25 10:04	VX111025
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/10/25 10:04	VX111025
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 10:04	VX111025
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/10/25 10:04	VX111025
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/10/25 10:04	VX111025
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/10/25 10:04	VX111025
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/10/25 10:04	VX111025
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 10:04	VX111025
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/10/25 10:04	VX111025
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/10/25 10:04	VX111025
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/10/25 10:04	VX111025
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/10/25 10:04	VX111025
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/10/25 10:04	VX111025
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/10/25 10:04	VX111025
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/10/25 10:04	VX111025
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/10/25 10:04	VX111025
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/10/25 10:04	VX111025
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/10/25 10:04	VX111025
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/10/25 10:04	VX111025
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/10/25 10:04	VX111025
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/10/25 10:04	VX111025
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/10/25 10:04	VX111025
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/10/25 10:04	VX111025
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/10/25 10:04	VX111025
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/10/25 10:04	VX111025
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/10/25 10:04	VX111025



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

Report of Analysis

Client: Remington & Vernick Engineers

Project: Edison Landfill

Client Sample ID: VX1110WBL01

Lab Sample ID: VX1110WBL01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3584

Matrix: Water

% Solid: 0

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	11/10/25 10:04	VX111025
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/10/25 10:04	VX111025
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 10:04	VX111025
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/10/25 10:04	VX111025
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/10/25 10:04	VX111025
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/10/25 10:04	VX111025
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 10:04	VX111025
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/10/25 10:04	VX111025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	50.2			70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	44.1			70 (75) - 130 (124)	88%	SPK: 50
2037-26-5	Toluene-d8	52.5			70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.2			70 (77) - 130 (121)	116%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	158000
540-36-3	1,4-Difluorobenzene	305000
3114-55-4	Chlorobenzene-d5	313000
3855-82-1	1,4-Dichlorobenzene-d4	161000

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_X\Data\VX111025\
 Data File : VX048528.D
 Acq On : 10 Nov 2025 10:04
 Operator : JC/MD
 Sample : VX1110WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1110WBL01

Quant Time: Nov 11 00:42:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	157554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	305452	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	313169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	160725	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	110098	50.150	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.300%
35) Dibromofluoromethane	5.367	113	102040	44.138	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.280%
50) Toluene-d8	8.628	98	378237	52.458	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.920%
62) 4-Bromofluorobenzene	11.061	95	156298	58.167	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.340%

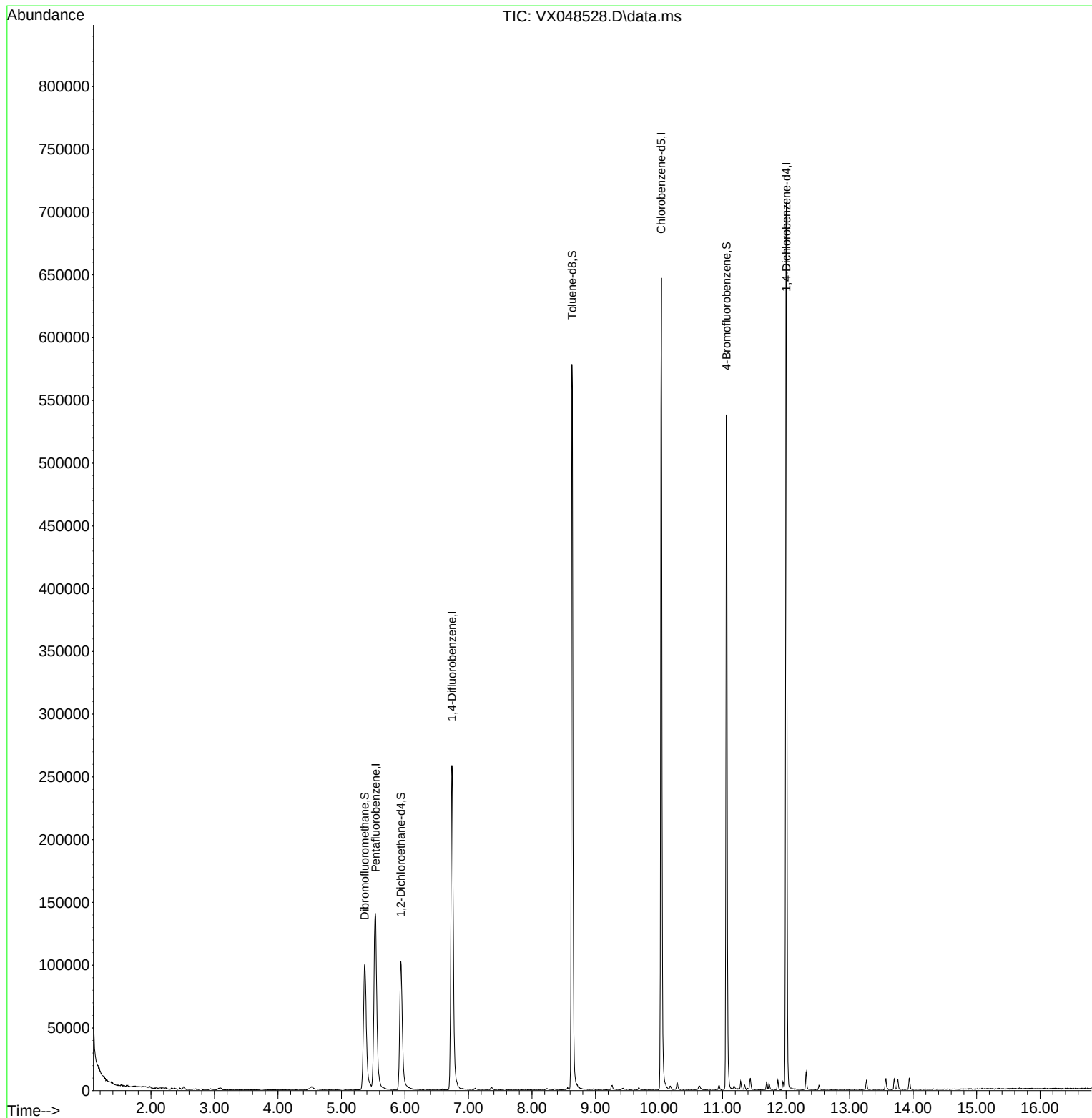
Target Compounds	Qvalue

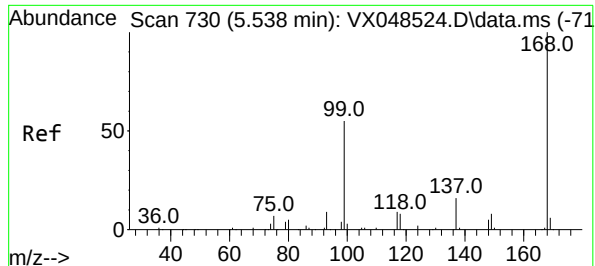
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048528.D
Acq On : 10 Nov 2025 10:04
Operator : JC/MD
Sample : VX1110WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1110WBL01

Quant Time: Nov 11 00:42:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX048528.D

Acq: 10 Nov 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

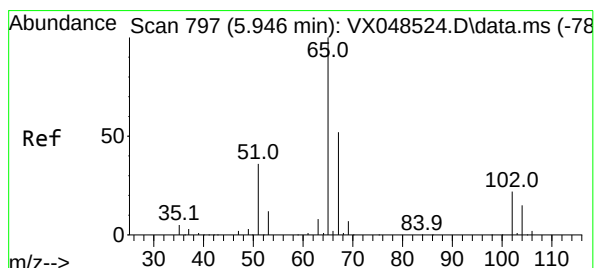
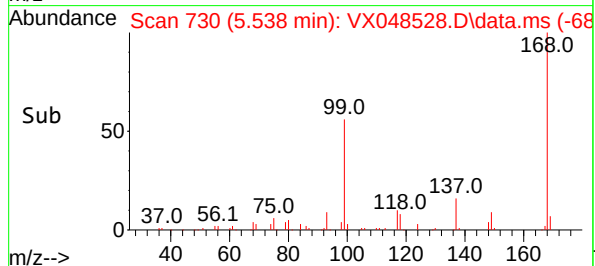
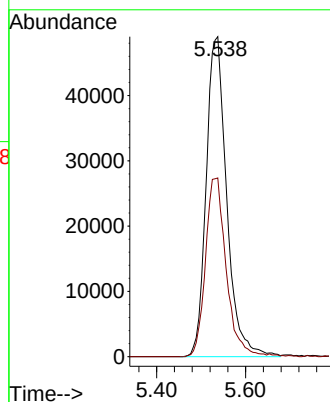
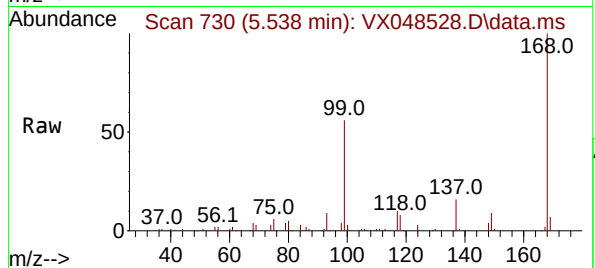
VX1110WBL01

Tgt Ion:168 Resp: 157554

Ion Ratio Lower Upper

168 100

99 55.9 45.2 67.8



#33

1,2-Dichloroethane-d4

Concen: 50.150 ug/l

RT: 5.934 min Scan# 795

Delta R.T. -0.012 min

Lab File: VX048528.D

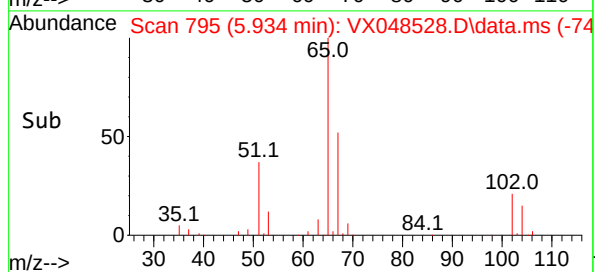
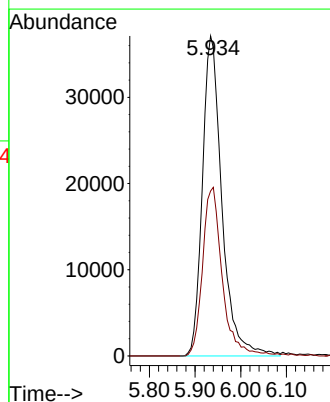
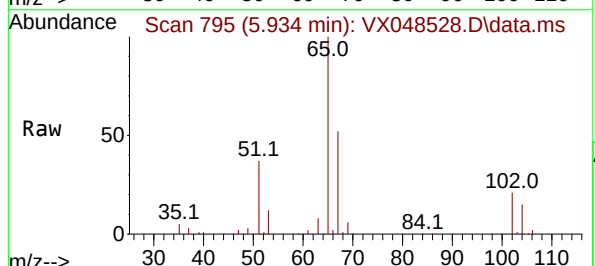
Acq: 10 Nov 2025 10:04

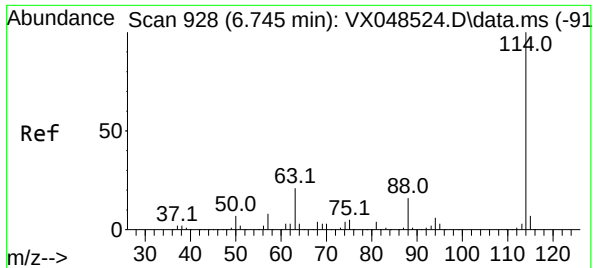
Tgt Ion: 65 Resp: 110098

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.2

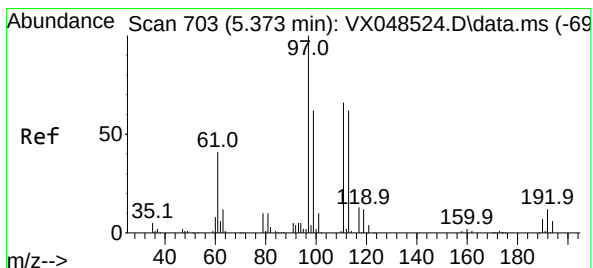
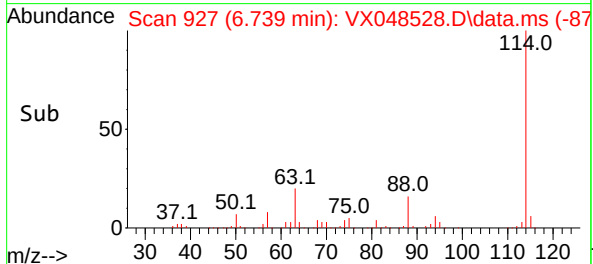
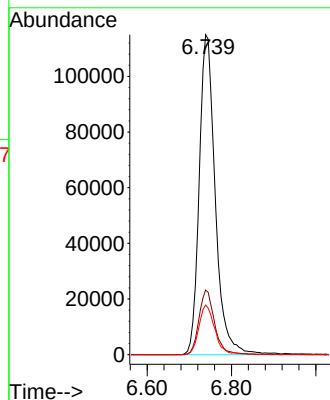
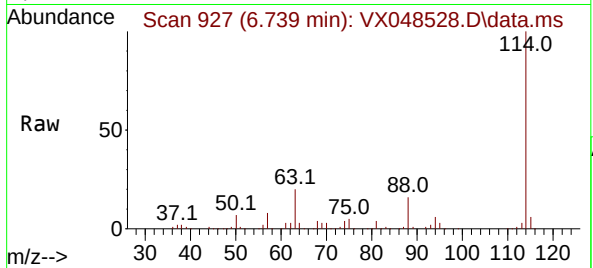




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX048528.D
Acq: 10 Nov 2025 10:04

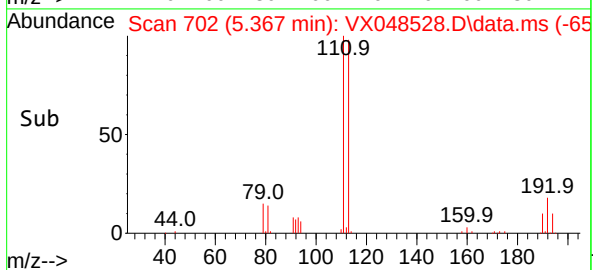
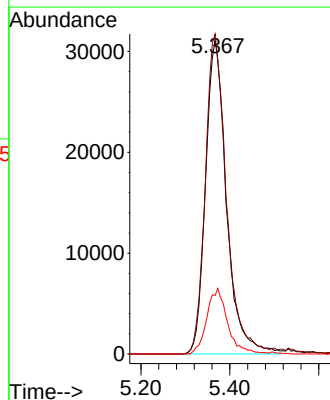
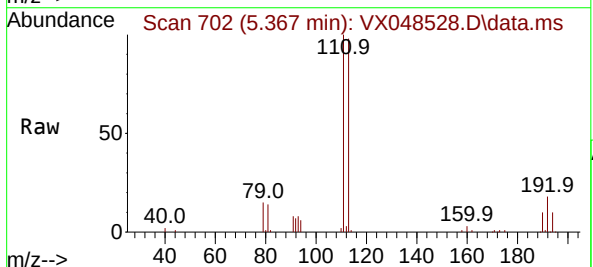
Instrument :
MSVOA_X
ClientSampleId :
VX1110WBL01

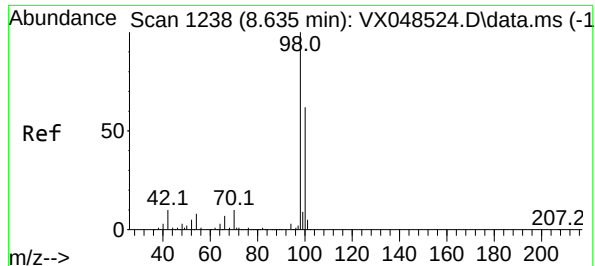
Tgt Ion:114 Resp: 305452
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.2
88 15.5 0.0 32.2



#35
Dibromofluoromethane
Concen: 44.138 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048528.D
Acq: 10 Nov 2025 10:04

Tgt Ion:113 Resp: 102040
Ion Ratio Lower Upper
113 100
111 102.4 81.9 122.9
192 20.6 15.8 23.6





#50

Toluene-d8

Concen: 52.458 ug/l

RT: 8.628 min Scan# 1237

Delta R.T. -0.006 min

Lab File: VX048528.D

Acq: 10 Nov 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

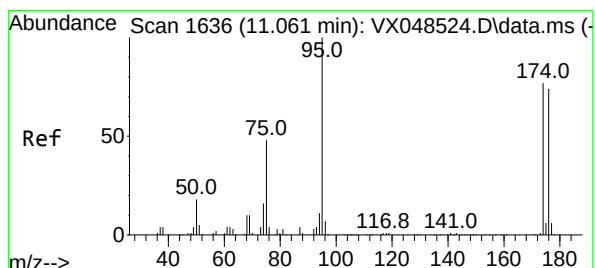
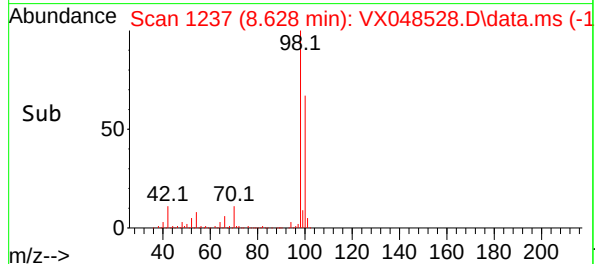
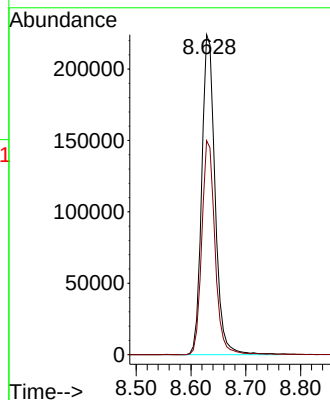
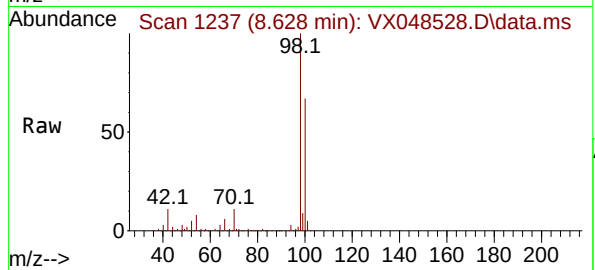
VX1110WBL01

Tgt Ion: 98 Resp: 378237

Ion Ratio Lower Upper

98 100

100 66.3 53.6 80.4



#62

4-Bromofluorobenzene

Concen: 58.167 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048528.D

Acq: 10 Nov 2025 10:04

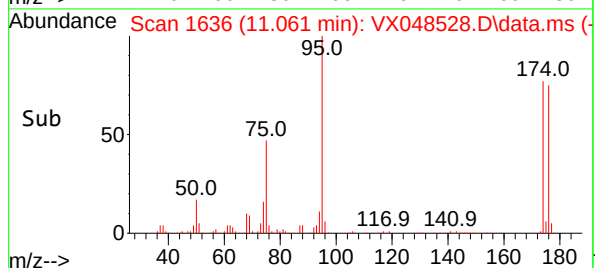
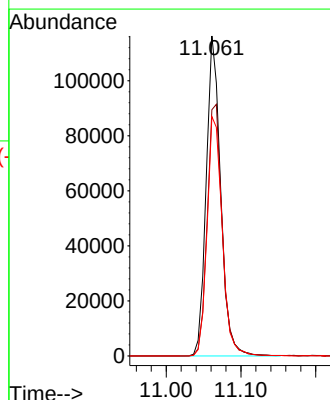
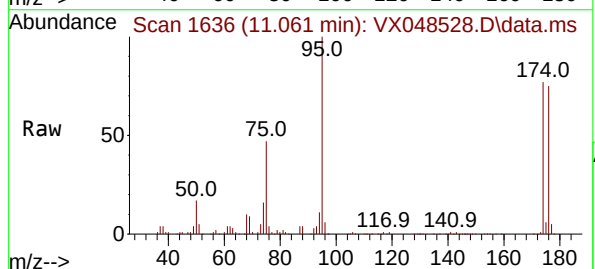
Tgt Ion: 95 Resp: 156298

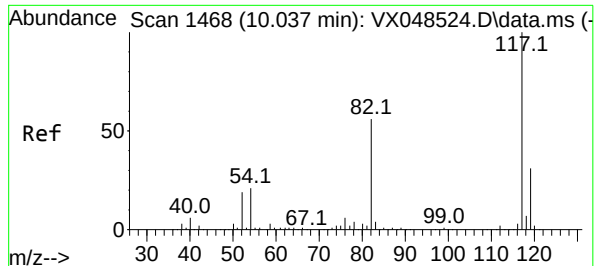
Ion Ratio Lower Upper

95 100

174 81.6 0.0 161.8

176 78.4 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048528.D

Acq: 10 Nov 2025 10:04

Instrument :

MSVOA_X

ClientSampleId :

VX1110WBL01

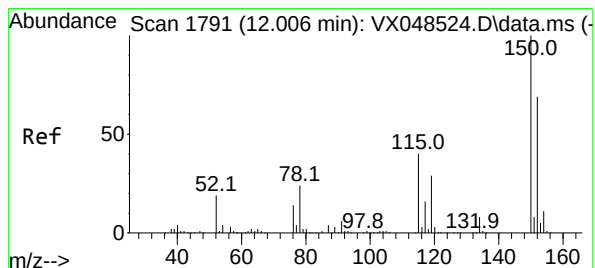
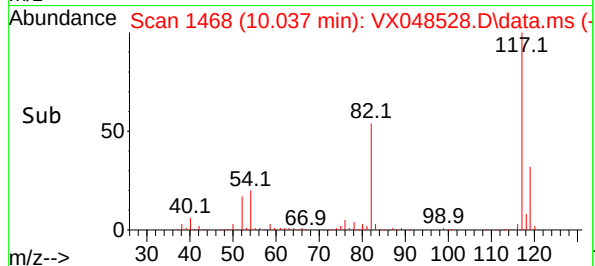
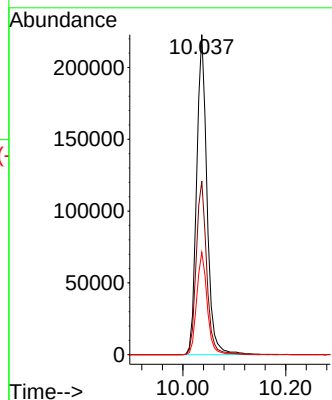
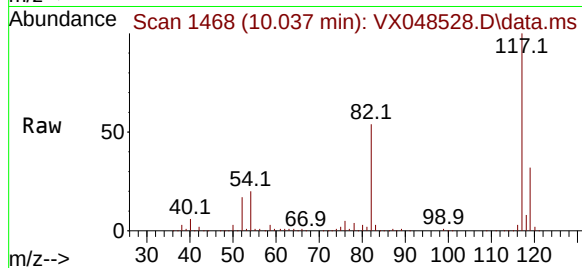
Tgt Ion:117 Resp: 313169

Ion Ratio Lower Upper

117 100

82 54.3 44.4 66.6

119 32.0 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048528.D

Acq: 10 Nov 2025 10:04

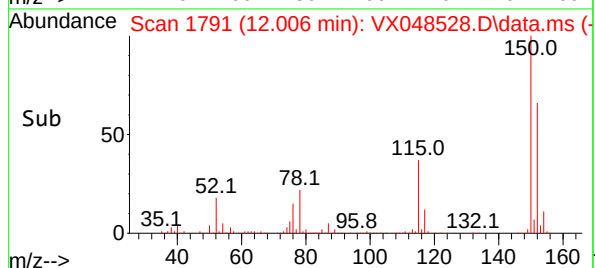
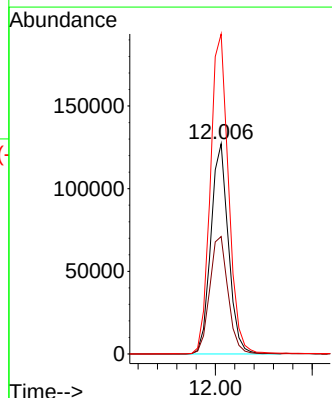
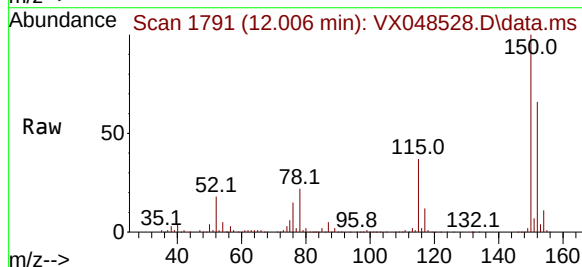
Tgt Ion:152 Resp: 160725

Ion Ratio Lower Upper

152 100

115 58.4 39.2 117.6

150 157.5 0.0 347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048528.D
Acq On : 10 Nov 2025 10:04
Operator : JC/MD
Sample : VX1110WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1110WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048528.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.367	691	702	719	rBV2	99628	327452	33.45%	6.038%
2	5.531	719	729	751	rVB	139482	441596	45.12%	8.143%
3	5.934	785	795	815	rBV	102095	303644	31.02%	5.599%
4	6.739	918	927	949	rBV	258324	680018	69.47%	12.539%
5	8.628	1230	1237	1255	rBV	577818	978816	100.00%	18.049%
6	10.037	1462	1468	1487	rBV	646598	927426	94.75%	17.101%
7	11.061	1631	1636	1651	rBV	537510	732496	74.83%	13.507%
8	11.439	1694	1698	1704	rVB2	8757	12662	1.29%	0.233%
9	12.006	1785	1791	1801	rVB	705798	955693	97.64%	17.622%
10	12.317	1837	1842	1850	rVB2	13590	17420	1.78%	0.321%
11	13.573	2042	2048	2052	rBV	8818	12662	1.29%	0.233%
12	13.707	2065	2070	2074	rBV2	8694	10866	1.11%	0.200%
13	13.756	2074	2078	2083	rVV	7952	10271	1.05%	0.189%
14	13.945	2104	2109	2114	rBV3	9173	12145	1.24%	0.224%

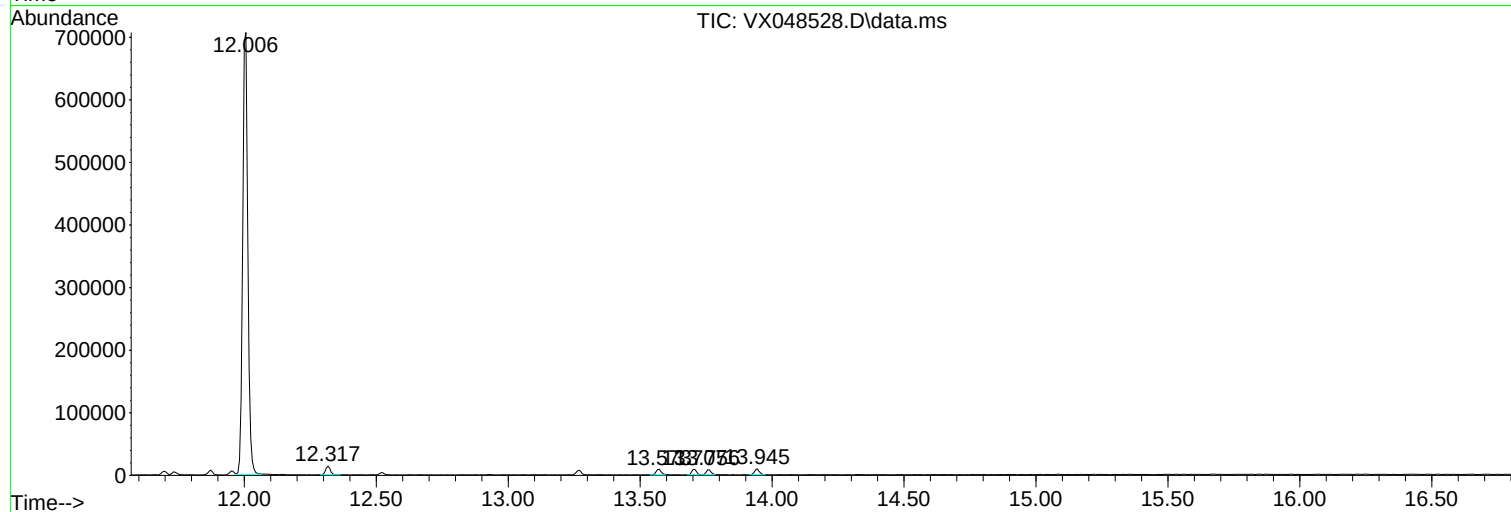
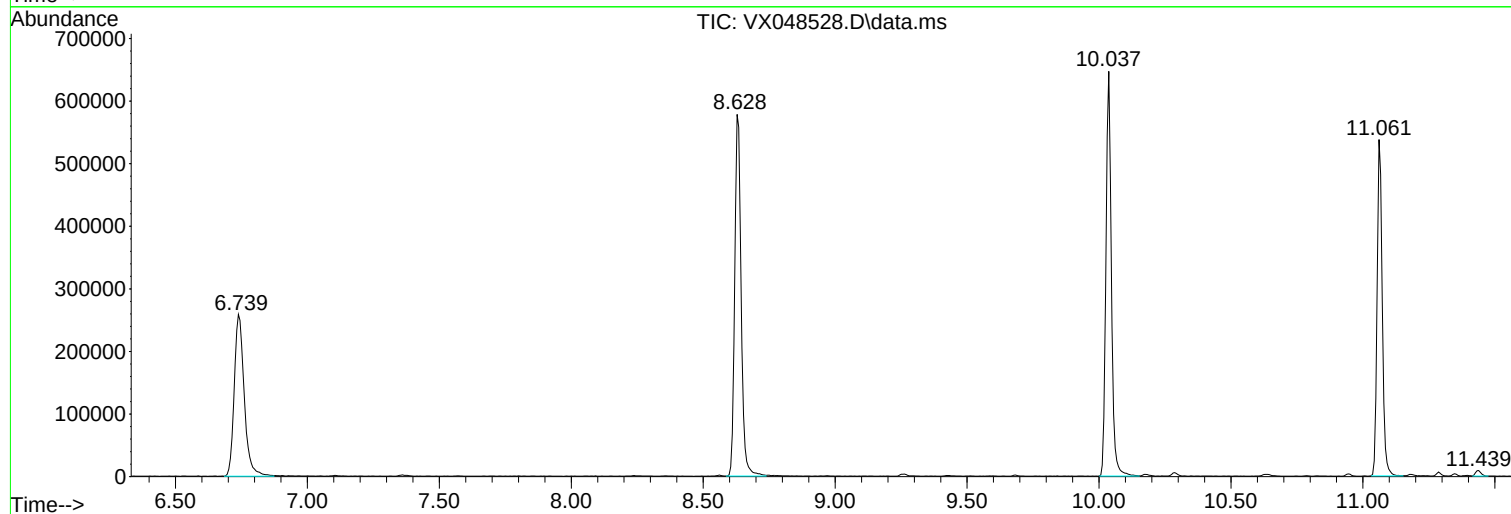
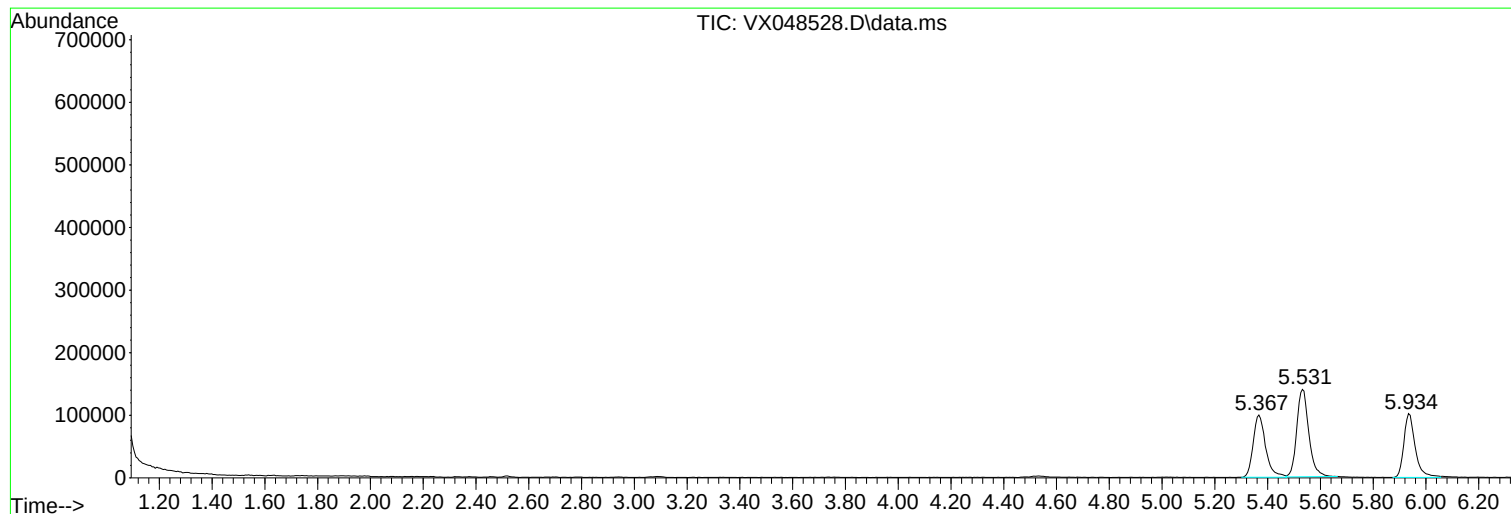
Sum of corrected areas: 5423167

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048528.D
Acq On : 10 Nov 2025 10:04
Operator : JC/MD
Sample : VX1110WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1110WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048528.D
Acq On : 10 Nov 2025 10:04
Operator : JC/MD
Sample : VX1110WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1110WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.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_X\Data\VX111025\
Data File : VX048528.D
Acq On : 10 Nov 2025 10:04
Operator : JC/MD
Sample : VX1110WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1110WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client: Remington & Vernick Engineers

Project: Edison Landfill

Client Sample ID: VX1111WBL01

Lab Sample ID: VX1111WBL01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3584

Matrix: Water

% Solid: 0

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	11/11/25 10:02	VX111125
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/11/25 10:02	VX111125
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/11/25 10:02	VX111125
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/11/25 10:02	VX111125
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/11/25 10:02	VX111125
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/11/25 10:02	VX111125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/11/25 10:02	VX111125
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/11/25 10:02	VX111125
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/11/25 10:02	VX111125
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/11/25 10:02	VX111125
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/11/25 10:02	VX111125
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/11/25 10:02	VX111125
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/11/25 10:02	VX111125
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/11/25 10:02	VX111125
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/11/25 10:02	VX111125
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/11/25 10:02	VX111125
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/11/25 10:02	VX111125
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/11/25 10:02	VX111125
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/11/25 10:02	VX111125
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/11/25 10:02	VX111125
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/11/25 10:02	VX111125
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/11/25 10:02	VX111125
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/11/25 10:02	VX111125
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/11/25 10:02	VX111125
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/11/25 10:02	VX111125
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/11/25 10:02	VX111125
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/11/25 10:02	VX111125
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/11/25 10:02	VX111125
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/11/25 10:02	VX111125
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/11/25 10:02	VX111125
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/11/25 10:02	VX111125
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/11/25 10:02	VX111125
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/11/25 10:02	VX111125
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/11/25 10:02	VX111125
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/11/25 10:02	VX111125
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/11/25 10:02	VX111125
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/11/25 10:02	VX111125
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/11/25 10:02	VX111125
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/11/25 10:02	VX111125
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/11/25 10:02	VX111125
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/11/25 10:02	VX111125
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/11/25 10:02	VX111125
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/11/25 10:02	VX111125



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

Report of Analysis

Client: Remington & Vernick Engineers
Project: Edison Landfill
Client Sample ID: VX1111WBL01
Lab Sample ID: VX1111WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3584
Matrix: Water
% Solid: 0
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	11/11/25 10:02	VX111125
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/11/25 10:02	VX111125
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/11/25 10:02	VX111125
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/11/25 10:02	VX111125
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/11/25 10:02	VX111125
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/11/25 10:02	VX111125
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/11/25 10:02	VX111125
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/11/25 10:02	VX111125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.6			70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5			70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	50.3			70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.0			70 (77) - 130 (121)	116%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	184000
540-36-3	1,4-Difluorobenzene	354000
3114-55-4	Chlorobenzene-d5	375000
3855-82-1	1,4-Dichlorobenzene-d4	196000

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_X\Data\VX111125\
 Data File : VX048551.D
 Acq On : 11 Nov 2025 10:02
 Operator : JC/MD
 Sample : VX1111WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1111WBL01

Quant Time: Nov 12 04:41:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	184346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	353648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	374656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	195630	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	142879	55.623	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.240%
35) Dibromofluoromethane	5.373	113	127167	47.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.020%
50) Toluene-d8	8.635	98	419546	50.257	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.520%
62) 4-Bromofluorobenzene	11.061	95	180428	57.997	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	116.000%

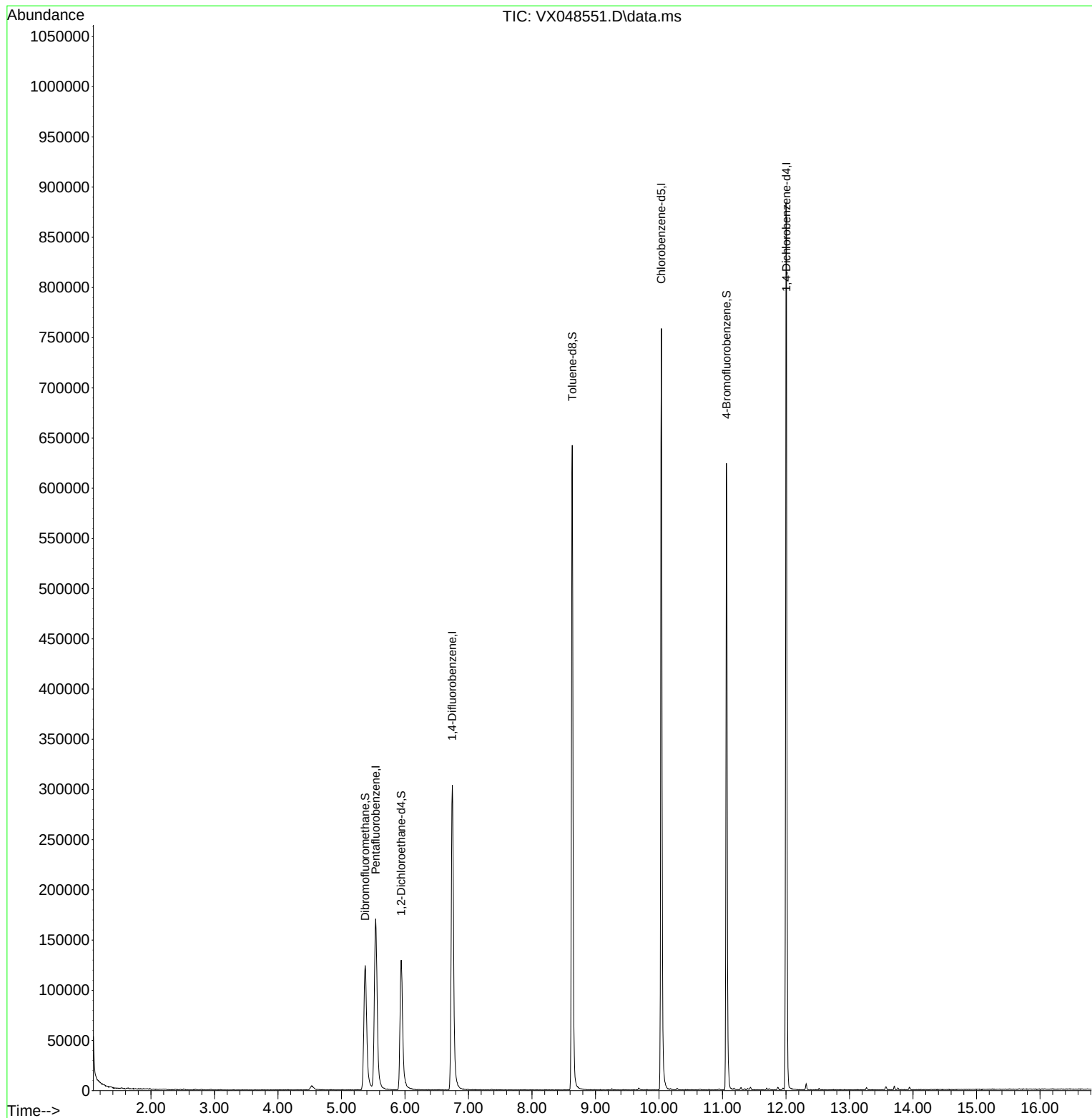
Target Compounds	Qvalue

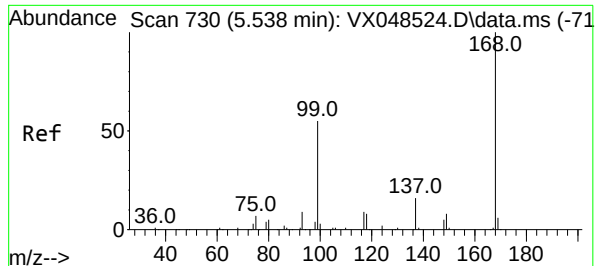
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048551.D
Acq On : 11 Nov 2025 10:02
Operator : JC/MD
Sample : VX1111WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

Quant Time: Nov 12 04:41:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

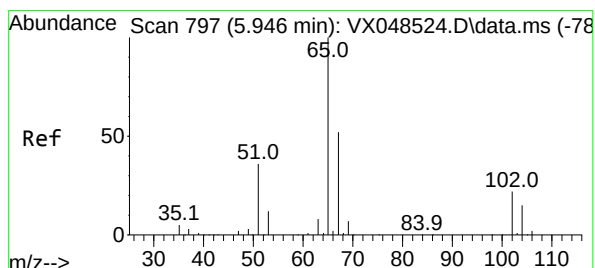
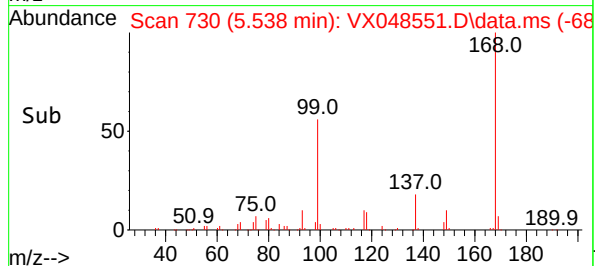
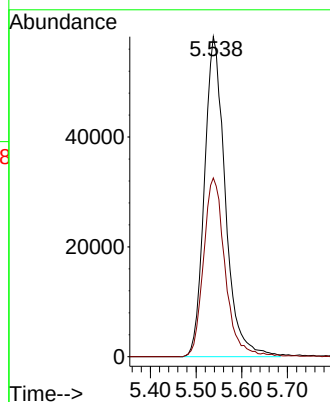
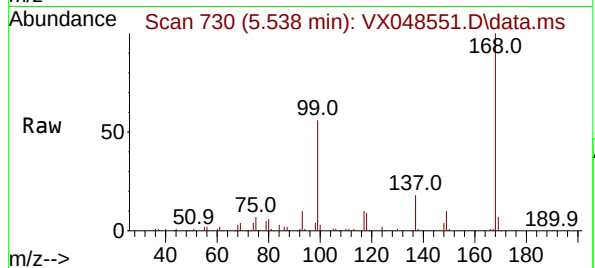




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

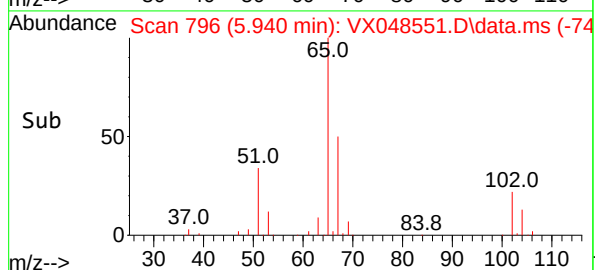
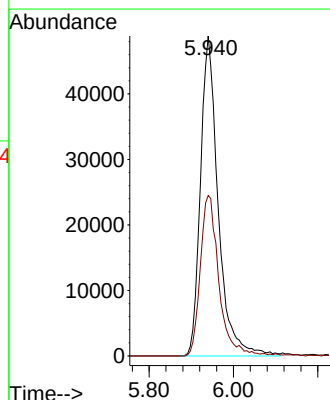
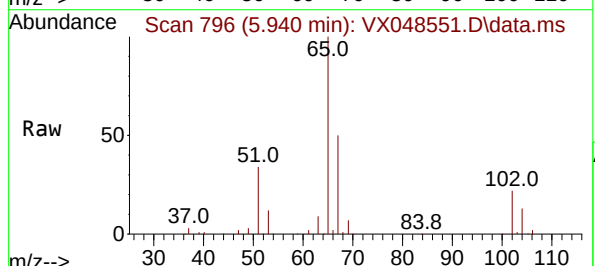
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

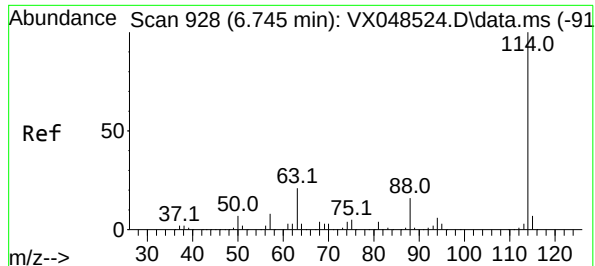
Tgt Ion:168 Resp: 184346
Ion Ratio Lower Upper
168 100
99 55.8 45.2 67.8



#33
1,2-Dichloroethane-d4
Concen: 55.623 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Tgt Ion: 65 Resp: 142879
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048551.D

Acq: 11 Nov 2025 10:02

Instrument :

MSVOA_X

ClientSampleId :

VX1111WBL01

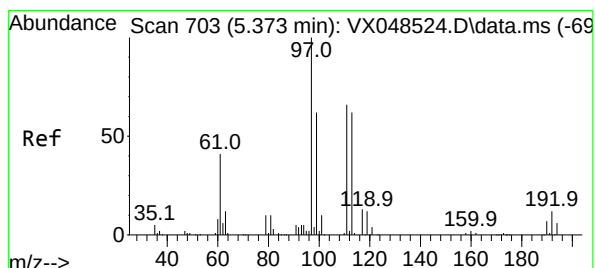
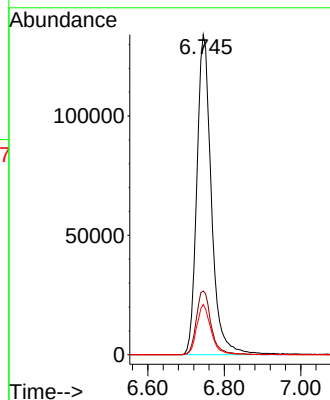
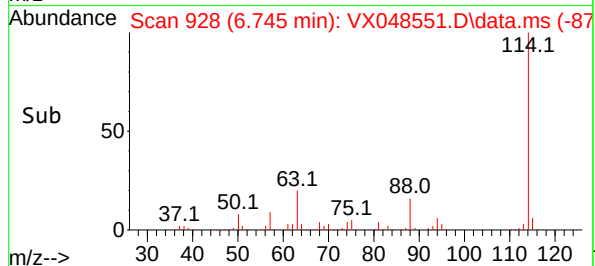
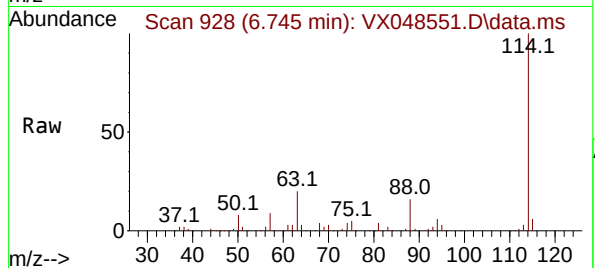
Tgt Ion:114 Resp: 353648

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.2

88 15.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 47.510 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048551.D

Acq: 11 Nov 2025 10:02

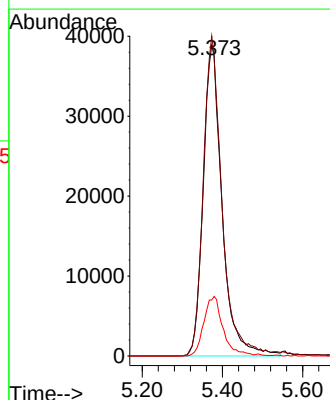
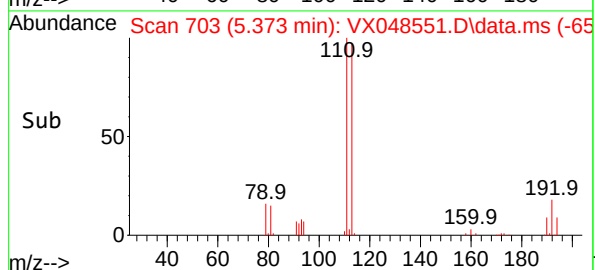
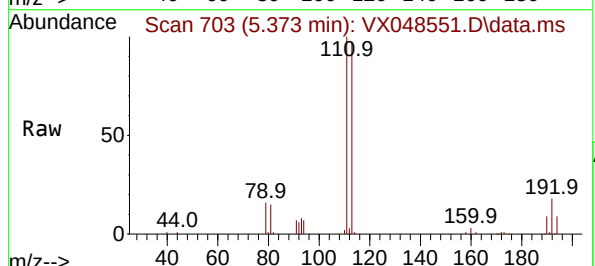
Tgt Ion:113 Resp: 127167

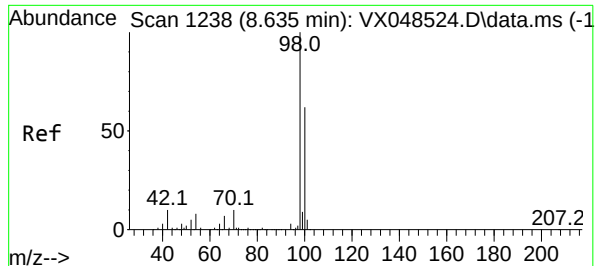
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 19.3 15.8 23.6

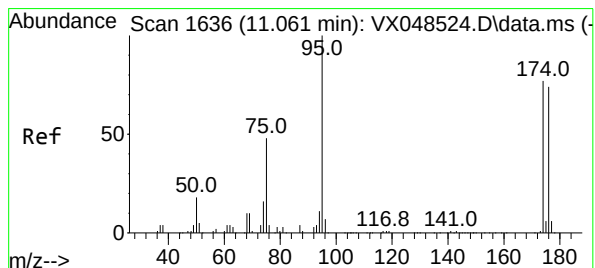
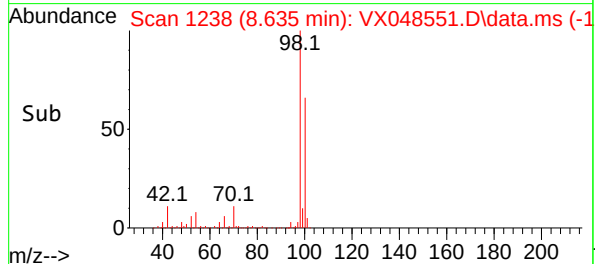
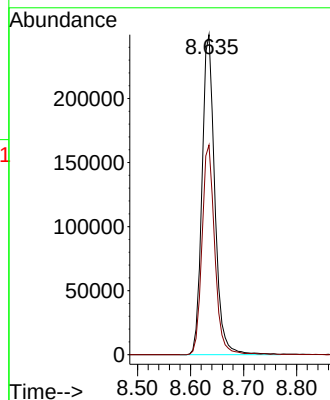
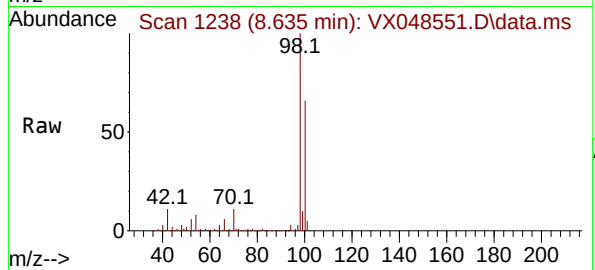




#50
Toluene-d8
Concen: 50.257 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

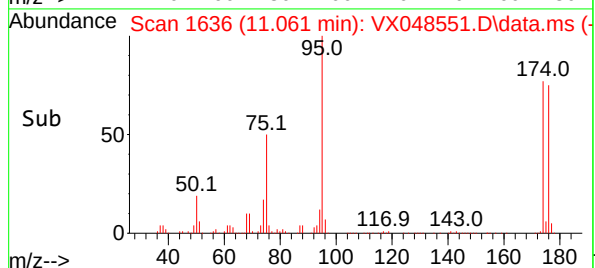
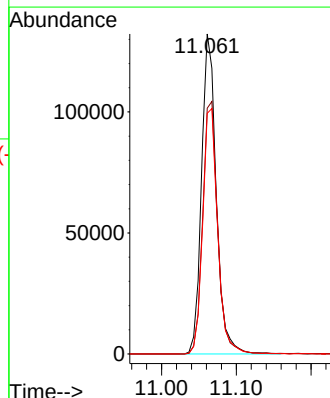
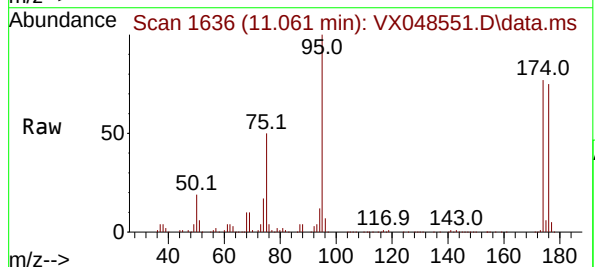
Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

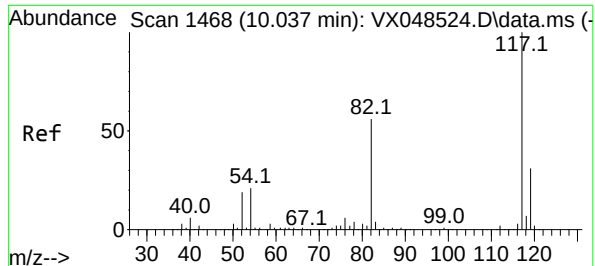
Tgt Ion: 98 Resp: 419546
Ion Ratio Lower Upper
98 100
100 65.5 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 57.997 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048551.D
Acq: 11 Nov 2025 10:02

Tgt Ion: 95 Resp: 180428
Ion Ratio Lower Upper
95 100
174 81.0 0.0 161.8
176 78.3 0.0 153.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048551.D

Acq: 11 Nov 2025 10:02

Instrument :

MSVOA_X

ClientSampleId :

VX1111WBL01

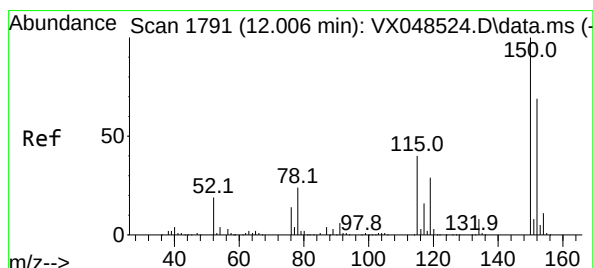
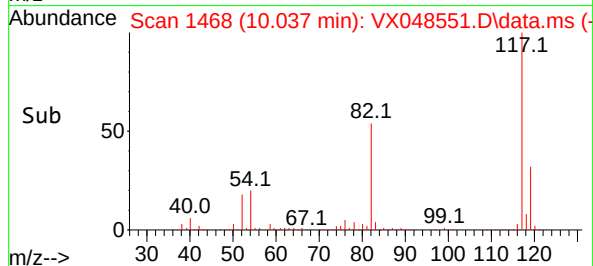
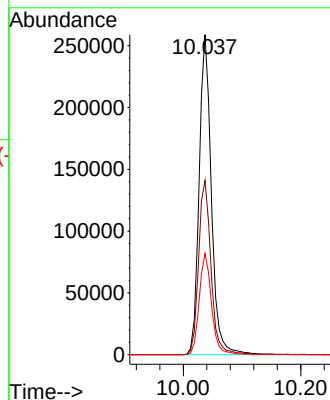
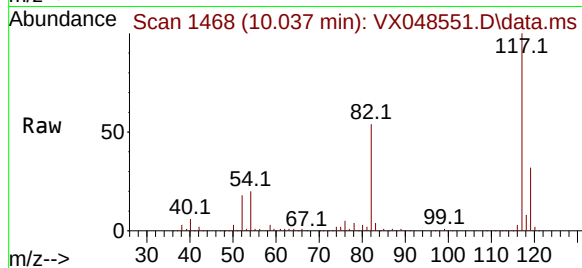
Tgt Ion:117 Resp: 374656

Ion Ratio Lower Upper

117 100

82 54.5 44.4 66.6

119 31.7 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048551.D

Acq: 11 Nov 2025 10:02

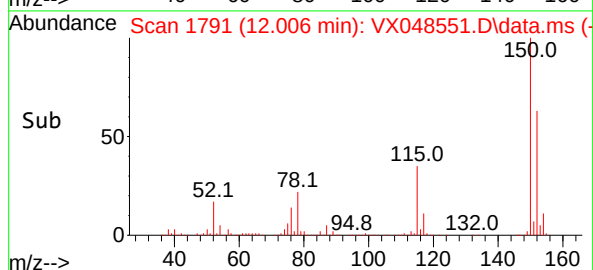
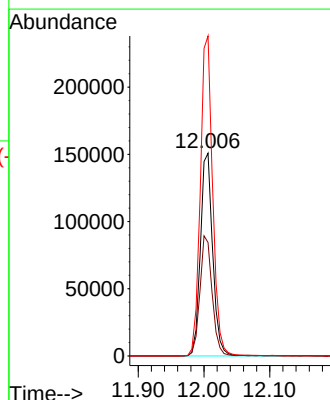
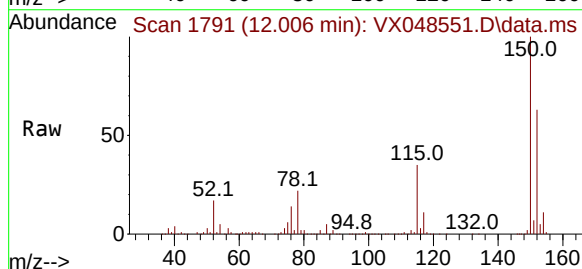
Tgt Ion:152 Resp: 195630

Ion Ratio Lower Upper

152 100

115 59.1 39.2 117.6

150 158.6 0.0 347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048551.D
Acq On : 11 Nov 2025 10:02
Operator : JC/MD
Sample : VX1111WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048551.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.532	554	565	577	rBV2	4299	15812	1.37%	0.248%
2	5.373	689	703	720	rBV2	124038	405584	35.01%	6.371%
3	5.538	720	730	754	rVB	169510	537606	46.41%	8.445%
4	5.940	786	796	821	rBV	129311	391095	33.76%	6.144%
5	6.745	918	928	951	rBV	303403	798942	68.97%	12.550%
6	8.635	1231	1238	1259	rBV	641931	1087164	93.85%	17.078%
7	10.037	1462	1468	1484	rBV	758407	1114493	96.21%	17.507%
8	11.061	1631	1636	1652	rBV	624062	856943	73.98%	13.461%
9	12.000	1785	1790	1803	rBV	883227	1158353	100.00%	18.196%

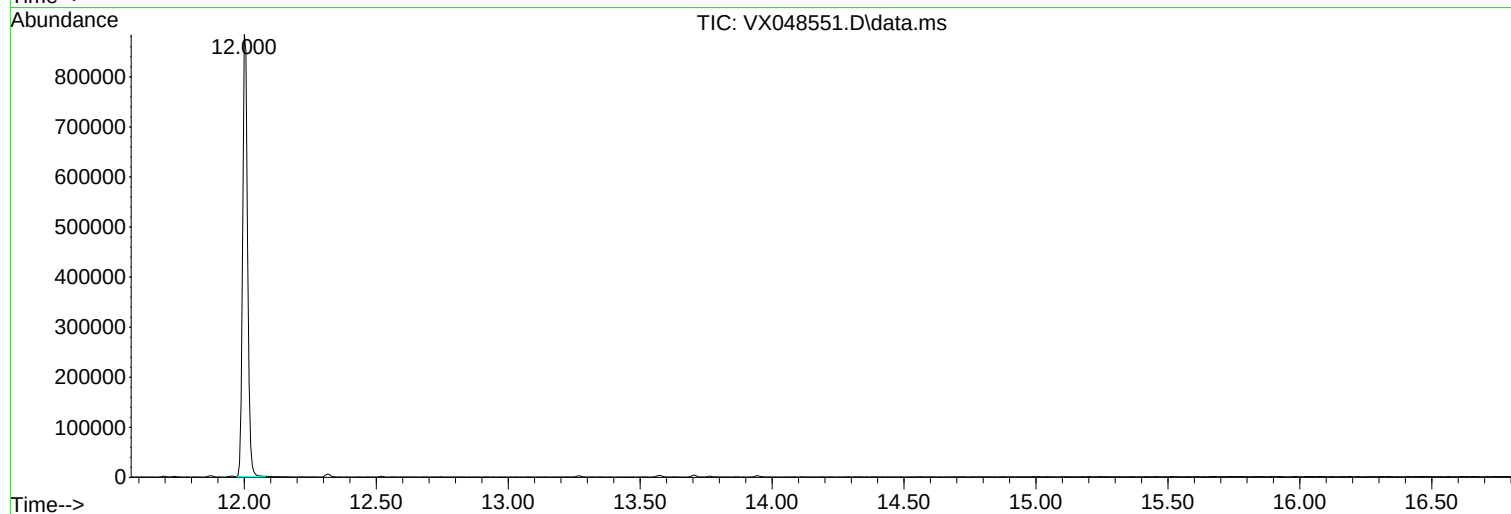
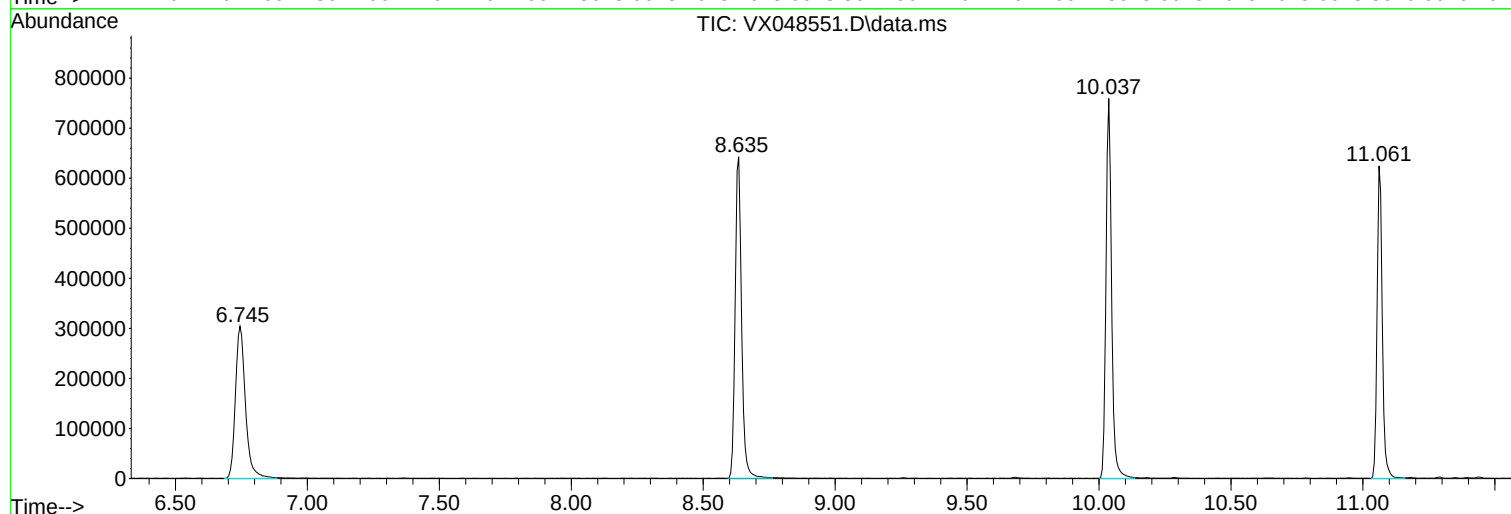
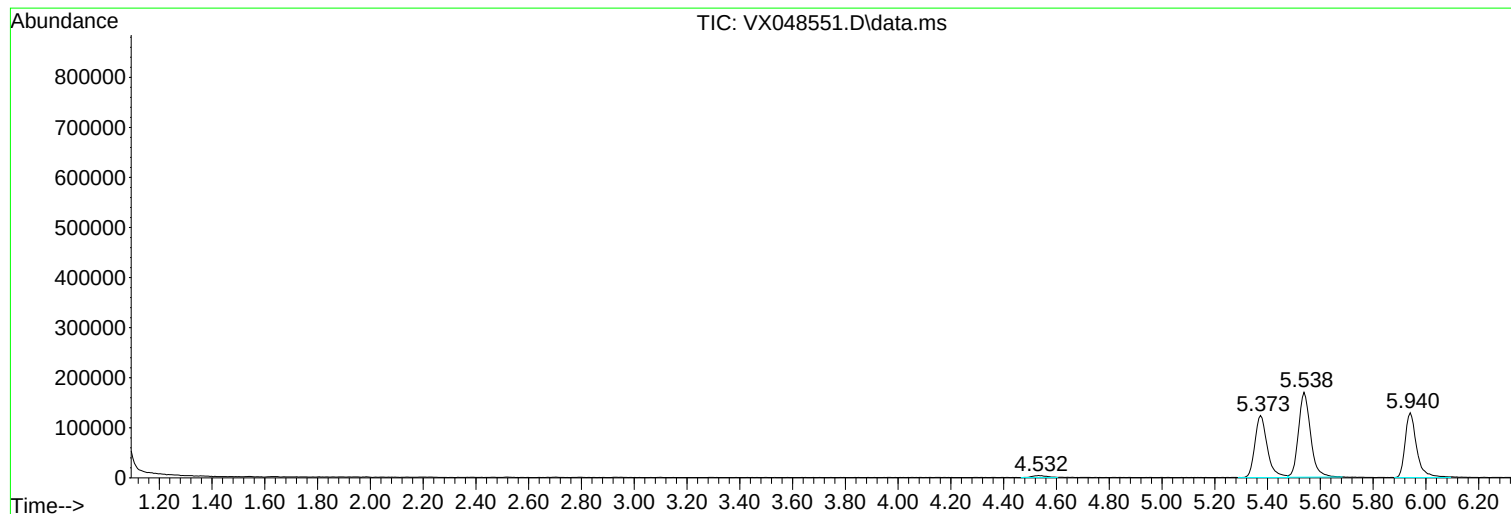
Sum of corrected areas: 6365992

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048551.D
Acq On : 11 Nov 2025 10:02
Operator : JC/MD
Sample : VX1111WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048551.D
Acq On : 11 Nov 2025 10:02
Operator : JC/MD
Sample : VX1111WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.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_X\Data\VX111125\
Data File : VX048551.D
Acq On : 11 Nov 2025 10:02
Operator : JC/MD
Sample : VX1111WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1111WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client: Remington & Vernick Engineers

Project: Edison Landfill

Client Sample ID: VX1110WBS01

Lab Sample ID: VX1110WBS01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3584

Matrix: Water

% Solid: 0

Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	17.9		1	0.22	1.00	ug/L	11/10/25 11:49	VX111025
74-87-3	Chloromethane	18.6		1	0.32	1.00	ug/L	11/10/25 11:49	VX111025
75-01-4	Vinyl Chloride	19.4		1	0.26	1.00	ug/L	11/10/25 11:49	VX111025
74-83-9	Bromomethane	25.7		1	1.40	5.00	ug/L	11/10/25 11:49	VX111025
75-00-3	Chloroethane	22.0		1	0.47	1.00	ug/L	11/10/25 11:49	VX111025
75-69-4	Trichlorofluoromethane	21.6		1	0.33	1.00	ug/L	11/10/25 11:49	VX111025
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		1	0.25	1.00	ug/L	11/10/25 11:49	VX111025
75-35-4	1,1-Dichloroethene	19.9		1	0.23	1.00	ug/L	11/10/25 11:49	VX111025
67-64-1	Acetone	120		1	1.50	5.00	ug/L	11/10/25 11:49	VX111025
75-15-0	Carbon Disulfide	17.7		1	0.21	1.00	ug/L	11/10/25 11:49	VX111025
1634-04-4	Methyl tert-butyl Ether	20.7		1	0.16	1.00	ug/L	11/10/25 11:49	VX111025
79-20-9	Methyl Acetate	19.8		1	0.27	1.00	ug/L	11/10/25 11:49	VX111025
75-09-2	Methylene Chloride	18.7		1	0.28	1.00	ug/L	11/10/25 11:49	VX111025
156-60-5	trans-1,2-Dichloroethene	19.3		1	0.23	1.00	ug/L	11/10/25 11:49	VX111025
75-34-3	1,1-Dichloroethane	19.7		1	0.23	1.00	ug/L	11/10/25 11:49	VX111025
110-82-7	Cyclohexane	18.7		1	1.50	5.00	ug/L	11/10/25 11:49	VX111025
78-93-3	2-Butanone	110		1	0.98	5.00	ug/L	11/10/25 11:49	VX111025
56-23-5	Carbon Tetrachloride	17.8		1	0.25	1.00	ug/L	11/10/25 11:49	VX111025
156-59-2	cis-1,2-Dichloroethene	18.8		1	0.19	1.00	ug/L	11/10/25 11:49	VX111025
74-97-5	Bromochloromethane	19.8		1	0.22	1.00	ug/L	11/10/25 11:49	VX111025
67-66-3	Chloroform	20.2		1	0.25	1.00	ug/L	11/10/25 11:49	VX111025
71-55-6	1,1,1-Trichloroethane	19.6		1	0.20	1.00	ug/L	11/10/25 11:49	VX111025
108-87-2	Methylcyclohexane	17.0		1	0.16	1.00	ug/L	11/10/25 11:49	VX111025
71-43-2	Benzene	17.8		1	0.15	1.00	ug/L	11/10/25 11:49	VX111025
107-06-2	1,2-Dichloroethane	20.6		1	0.22	1.00	ug/L	11/10/25 11:49	VX111025
79-01-6	Trichloroethene	18.6		1	0.090	1.00	ug/L	11/10/25 11:49	VX111025
78-87-5	1,2-Dichloropropane	19.9		1	0.20	1.00	ug/L	11/10/25 11:49	VX111025
75-27-4	Bromodichloromethane	21.0		1	0.22	1.00	ug/L	11/10/25 11:49	VX111025
108-10-1	4-Methyl-2-Pentanone	110		1	0.68	5.00	ug/L	11/10/25 11:49	VX111025
108-88-3	Toluene	20.7		1	0.14	1.00	ug/L	11/10/25 11:49	VX111025
10061-02-6	t-1,3-Dichloropropene	20.9		1	0.17	1.00	ug/L	11/10/25 11:49	VX111025
10061-01-5	cis-1,3-Dichloropropene	21.0		1	0.16	1.00	ug/L	11/10/25 11:49	VX111025
79-00-5	1,1,2-Trichloroethane	22.1		1	0.21	1.00	ug/L	11/10/25 11:49	VX111025
591-78-6	2-Hexanone	110		1	0.89	5.00	ug/L	11/10/25 11:49	VX111025
124-48-1	Dibromochloromethane	21.3		1	0.18	1.00	ug/L	11/10/25 11:49	VX111025
106-93-4	1,2-Dibromoethane	21.6		1	0.15	1.00	ug/L	11/10/25 11:49	VX111025
127-18-4	Tetrachloroethene	17.4		1	0.23	1.00	ug/L	11/10/25 11:49	VX111025
108-90-7	Chlorobenzene	18.1		1	0.12	1.00	ug/L	11/10/25 11:49	VX111025
100-41-4	Ethyl Benzene	18.0		1	0.13	1.00	ug/L	11/10/25 11:49	VX111025
179601-23-1	m/p-Xylenes	37.0		1	0.24	2.00	ug/L	11/10/25 11:49	VX111025
95-47-6	o-Xylene	17.9		1	0.12	1.00	ug/L	11/10/25 11:49	VX111025
100-42-5	Styrene	18.6		1	0.15	1.00	ug/L	11/10/25 11:49	VX111025
75-25-2	Bromoform	18.3		1	0.19	1.00	ug/L	11/10/25 11:49	VX111025



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

Report of Analysis

Client: Remington & Vernick Engineers
Project: Edison Landfill
Client Sample ID: VX1110WBS01
Lab Sample ID: VX1110WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3584
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	18.1		1	0.12	1.00	ug/L	11/10/25 11:49	VX111025
79-34-5	1,1,2,2-Tetrachloroethane	18.7		1	0.26	1.00	ug/L	11/10/25 11:49	VX111025
541-73-1	1,3-Dichlorobenzene	18.0		1	0.16	1.00	ug/L	11/10/25 11:49	VX111025
106-46-7	1,4-Dichlorobenzene	18.1		1	0.19	1.00	ug/L	11/10/25 11:49	VX111025
95-50-1	1,2-Dichlorobenzene	18.1		1	0.16	1.00	ug/L	11/10/25 11:49	VX111025
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		1	0.53	1.00	ug/L	11/10/25 11:49	VX111025
120-82-1	1,2,4-Trichlorobenzene	21.5		1	0.20	1.00	ug/L	11/10/25 11:49	VX111025
87-61-6	1,2,3-Trichlorobenzene	17.6		1	0.20	1.00	ug/L	11/10/25 11:49	VX111025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.5			70 (74) - 130 (125)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.8			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	52.5			70 (86) - 130 (113)	105%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.3			70 (77) - 130 (121)	103%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	141000							
540-36-3	1,4-Difluorobenzene	243000							
3114-55-4	Chlorobenzene-d5	220000							
3855-82-1	1,4-Dichlorobenzene-d4	113000							

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_X\Data\VX111025\
 Data File : VX048530.D
 Acq On : 10 Nov 2025 11:49
 Operator : JC/MD
 Sample : VX1110WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1110WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:43:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	140876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	243139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	219757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	112923	57.526	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.060%			
35) Dibromofluoromethane	5.367	113	86210	46.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.700%			
50) Toluene-d8	8.634	98	301462	52.525	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.060%			
62) 4-Bromofluorobenzene	11.061	95	109737	51.306	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	20465	17.928	ug/l	95
3) Chloromethane	1.300	50	28108	18.565	ug/l	98
4) Vinyl Chloride	1.380	62	33281	19.414	ug/l	100
5) Bromomethane	1.617	94	27830	25.710	ug/l	93
6) Chloroethane	1.697	64	24708	22.009	ug/l	98
7) Trichlorofluoromethane	1.898	101	58692	21.642	ug/l	100
8) Diethyl Ether	2.136	74	24313	22.334	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.337	101	30974	19.728	ug/l	97
10) Methyl Iodide	2.453	142	48983	21.081	ug/l	98
11) Tert butyl alcohol	2.940	59	37344	100.397	ug/l	98
12) 1,1-Dichloroethene	2.325	96	32639	19.903	ug/l	98
13) Acrolein	2.233	56	5691	105.745	ug/l	94
14) Allyl chloride	2.666	41	59200	19.389	ug/l	92
15) Acrylonitrile	3.056	53	109426	100.774	ug/l	98
16) Acetone	2.373	43	108636	116.915	ug/l	95
17) Carbon Disulfide	2.520	76	81890	17.745	ug/l	99
18) Methyl Acetate	2.703	43	50530	19.788	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	119617	20.655	ug/l	98
20) Methylene Chloride	2.788	84	35802	18.741	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	33527	19.289	ug/l	96
22) Diisopropyl ether	3.751	45	121948	20.800	ug/l	96
23) Vinyl Acetate	3.715	43	540649	105.290	ug/l	98
24) 1,1-Dichloroethane	3.611	63	63280	19.670	ug/l	98
25) 2-Butanone	4.538	43	149594	108.829	ug/l	96
26) 2,2-Dichloropropane	4.464	77	52756	19.236	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	40032	18.842	ug/l	94
28) Bromochloromethane	4.885	49	31225	19.758	ug/l	94
29) Tetrahydrofuran	4.989	42	100790	102.807	ug/l	98
30) Chloroform	5.080	83	67008	20.176	ug/l	99
31) Cyclohexane	5.458	56	49378	18.733	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	56902	19.632	ug/l	97
36) 1,1-Dichloropropene	5.684	75	42403	17.208	ug/l	97
37) Ethyl Acetate	4.702	43	64757	18.669	ug/l	98
38) Carbon Tetrachloride	5.672	117	49963	17.812	ug/l	96
39) Methylcyclohexane	7.366	83	46942	16.966	ug/l	96
40) Benzene	6.025	78	136004	17.805	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048530.D
 Acq On : 10 Nov 2025 11:49
 Operator : JC/MD
 Sample : VX1110WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1110WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:43:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	30559	20.033	ug/l	97
42) 1,2-Dichloroethane	6.074	62	54010	20.637	ug/l	98
43) Isopropyl Acetate	6.324	43	95792	19.646	ug/l	95
44) Trichloroethene	7.116	130	33906	18.571	ug/l	90
45) 1,2-Dichloropropane	7.415	63	35014	19.936	ug/l	98
46) Dibromomethane	7.568	93	26435	20.637	ug/l	95
47) Bromodichloromethane	7.805	83	53791	21.049	ug/l	100
48) Methyl methacrylate	7.677	41	45697	21.083	ug/l	91
49) 1,4-Dioxane	7.641	88	13171	398.794	ug/l #	95
51) 4-Methyl-2-Pentanone	8.555	43	317570	114.420	ug/l	95
52) Toluene	8.708	92	83086	20.661	ug/l	96
53) t-1,3-Dichloropropene	8.964	75	54951	20.869	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	57267	21.003	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	35527	22.112	ug/l	99
56) Ethyl methacrylate	9.098	69	57047	21.341	ug/l #	90
57) 1,3-Dichloropropane	9.293	76	59519	21.283	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	153306	106.674	ug/l	98
59) 2-Hexanone	9.415	43	236842	114.718	ug/l	94
60) Dibromochloromethane	9.506	129	42051	21.317	ug/l	97
61) 1,2-Dibromoethane	9.592	107	37617	21.616	ug/l	99
64) Tetrachloroethene	9.256	164	27696	17.352	ug/l	97
65) Chlorobenzene	10.061	112	94188	18.058	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	33736	19.303	ug/l	100
67) Ethyl Benzene	10.177	91	157222	17.950	ug/l	100
68) m/p-Xylenes	10.287	106	122112	37.017	ug/l	96
69) o-Xylene	10.622	106	57684	17.873	ug/l	98
70) Styrene	10.640	104	100637	18.588	ug/l	98
71) Bromoform	10.780	173	29557	18.331	ug/l #	97
73) Isopropylbenzene	10.945	105	147698	18.057	ug/l	99
74) N-amyl acetate	10.829	43	79273	19.301	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	54036	18.733	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	49521m	18.241	ug/l	
77) Bromobenzene	11.183	156	37944	17.964	ug/l	94
78) n-propylbenzene	11.286	91	171824	17.865	ug/l	99
79) 2-Chlorotoluene	11.347	91	106362	18.301	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	120383	18.053	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	16605	17.495	ug/l #	87
82) 4-Chlorotoluene	11.439	91	123465	18.110	ug/l	97
83) tert-Butylbenzene	11.695	119	122800	17.805	ug/l	96
84) 1,2,4-Trimethylbenzene	11.731	105	122630	18.227	ug/l	99
85) sec-Butylbenzene	11.872	105	148702	17.444	ug/l	100
86) p-Isopropyltoluene	11.994	119	126116	17.598	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	71129	17.967	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	74145	18.133	ug/l	97
89) n-Butylbenzene	12.317	91	117045	17.410	ug/l	98
90) Hexachloroethane	12.518	117	24315	17.808	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	68691	18.075	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	13477	20.104	ug/l	91
93) 1,2,4-Trichlorobenzene	13.567	180	54218	21.469	ug/l	98
94) Hexachlorobutadiene	13.707	225	19374	18.352	ug/l	96
95) Naphthalene	13.755	128	173039	21.312	ug/l	100
96) 1,2,3-Trichlorobenzene	13.944	180	41268	17.568	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048530.D
Acq On : 10 Nov 2025 11:49
Operator : JC/MD
Sample : VX1110WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1110WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:43:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

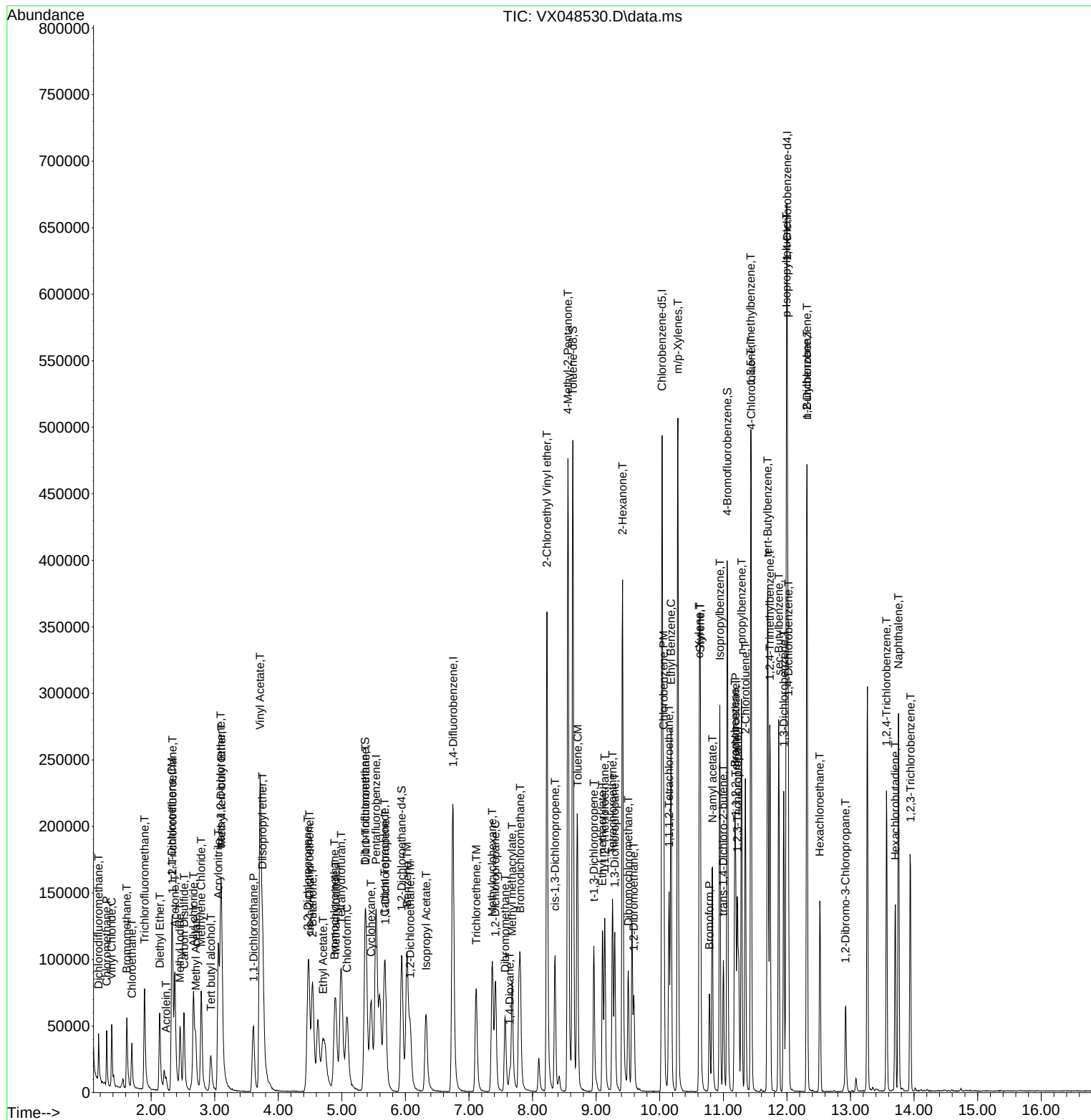
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\  
Data File : VX048530.D  
Acq On    : 10 Nov 2025  11:49  
Operator  : JC/MD  
Sample    : VX1110WBS01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VX1110WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:43:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



Report of Analysis

Client: Remington & Vernick Engineers

Project: Edison Landfill

Client Sample ID: VX1111WBS01

Lab Sample ID: VX1111WBS01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3584

Matrix: Water

% Solid: 0

Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	21.0		1	0.22	1.00	ug/L	11/11/25 10:35	VX111125
74-87-3	Chloromethane	19.0		1	0.32	1.00	ug/L	11/11/25 10:35	VX111125
75-01-4	Vinyl Chloride	18.8		1	0.26	1.00	ug/L	11/11/25 10:35	VX111125
74-83-9	Bromomethane	21.1		1	1.40	5.00	ug/L	11/11/25 10:35	VX111125
75-00-3	Chloroethane	18.3		1	0.47	1.00	ug/L	11/11/25 10:35	VX111125
75-69-4	Trichlorofluoromethane	18.0		1	0.33	1.00	ug/L	11/11/25 10:35	VX111125
76-13-1	1,1,2-Trichlorotrifluoroethane	18.8		1	0.25	1.00	ug/L	11/11/25 10:35	VX111125
75-35-4	1,1-Dichloroethene	18.1		1	0.23	1.00	ug/L	11/11/25 10:35	VX111125
67-64-1	Acetone	90.7		1	1.50	5.00	ug/L	11/11/25 10:35	VX111125
75-15-0	Carbon Disulfide	17.5		1	0.21	1.00	ug/L	11/11/25 10:35	VX111125
1634-04-4	Methyl tert-butyl Ether	18.2		1	0.16	1.00	ug/L	11/11/25 10:35	VX111125
79-20-9	Methyl Acetate	17.3		1	0.27	1.00	ug/L	11/11/25 10:35	VX111125
75-09-2	Methylene Chloride	18.4		1	0.28	1.00	ug/L	11/11/25 10:35	VX111125
156-60-5	trans-1,2-Dichloroethene	18.3		1	0.23	1.00	ug/L	11/11/25 10:35	VX111125
75-34-3	1,1-Dichloroethane	18.6		1	0.23	1.00	ug/L	11/11/25 10:35	VX111125
110-82-7	Cyclohexane	17.7		1	1.50	5.00	ug/L	11/11/25 10:35	VX111125
78-93-3	2-Butanone	89.3		1	0.98	5.00	ug/L	11/11/25 10:35	VX111125
56-23-5	Carbon Tetrachloride	15.6		1	0.25	1.00	ug/L	11/11/25 10:35	VX111125
156-59-2	cis-1,2-Dichloroethene	17.5		1	0.19	1.00	ug/L	11/11/25 10:35	VX111125
74-97-5	Bromochloromethane	18.5		1	0.22	1.00	ug/L	11/11/25 10:35	VX111125
67-66-3	Chloroform	17.8		1	0.25	1.00	ug/L	11/11/25 10:35	VX111125
71-55-6	1,1,1-Trichloroethane	17.3		1	0.20	1.00	ug/L	11/11/25 10:35	VX111125
108-87-2	Methylcyclohexane	17.4		1	0.16	1.00	ug/L	11/11/25 10:35	VX111125
71-43-2	Benzene	16.3		1	0.15	1.00	ug/L	11/11/25 10:35	VX111125
107-06-2	1,2-Dichloroethane	16.7		1	0.22	1.00	ug/L	11/11/25 10:35	VX111125
79-01-6	Trichloroethene	17.4		1	0.090	1.00	ug/L	11/11/25 10:35	VX111125
78-87-5	1,2-Dichloropropane	18.3		1	0.20	1.00	ug/L	11/11/25 10:35	VX111125
75-27-4	Bromodichloromethane	19.1		1	0.22	1.00	ug/L	11/11/25 10:35	VX111125
108-10-1	4-Methyl-2-Pentanone	96.6		1	0.68	5.00	ug/L	11/11/25 10:35	VX111125
108-88-3	Toluene	19.7		1	0.14	1.00	ug/L	11/11/25 10:35	VX111125
10061-02-6	t-1,3-Dichloropropene	18.4		1	0.17	1.00	ug/L	11/11/25 10:35	VX111125
10061-01-5	cis-1,3-Dichloropropene	19.2		1	0.16	1.00	ug/L	11/11/25 10:35	VX111125
79-00-5	1,1,2-Trichloroethane	20.1		1	0.21	1.00	ug/L	11/11/25 10:35	VX111125
591-78-6	2-Hexanone	94.8		1	0.89	5.00	ug/L	11/11/25 10:35	VX111125
124-48-1	Dibromochloromethane	19.1		1	0.18	1.00	ug/L	11/11/25 10:35	VX111125
106-93-4	1,2-Dibromoethane	19.8		1	0.15	1.00	ug/L	11/11/25 10:35	VX111125
127-18-4	Tetrachloroethene	16.2		1	0.23	1.00	ug/L	11/11/25 10:35	VX111125
108-90-7	Chlorobenzene	17.1		1	0.12	1.00	ug/L	11/11/25 10:35	VX111125
100-41-4	Ethyl Benzene	16.7		1	0.13	1.00	ug/L	11/11/25 10:35	VX111125
179601-23-1	m/p-Xylenes	35.0		1	0.24	2.00	ug/L	11/11/25 10:35	VX111125
95-47-6	o-Xylene	17.1		1	0.12	1.00	ug/L	11/11/25 10:35	VX111125
100-42-5	Styrene	17.6		1	0.15	1.00	ug/L	11/11/25 10:35	VX111125
75-25-2	Bromoform	16.7		1	0.19	1.00	ug/L	11/11/25 10:35	VX111125



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

Report of Analysis

Client: Remington & Vernick Engineers
Project: Edison Landfill
Client Sample ID: VX1111WBS01
Lab Sample ID: VX1111WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3584
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	17.9		1	0.12	1.00	ug/L	11/11/25 10:35	VX111125
79-34-5	1,1,2,2-Tetrachloroethane	17.8		1	0.26	1.00	ug/L	11/11/25 10:35	VX111125
541-73-1	1,3-Dichlorobenzene	17.7		1	0.16	1.00	ug/L	11/11/25 10:35	VX111125
106-46-7	1,4-Dichlorobenzene	17.6		1	0.19	1.00	ug/L	11/11/25 10:35	VX111125
95-50-1	1,2-Dichlorobenzene	17.5		1	0.16	1.00	ug/L	11/11/25 10:35	VX111125
96-12-8	1,2-Dibromo-3-Chloropropane	16.9		1	0.53	1.00	ug/L	11/11/25 10:35	VX111125
120-82-1	1,2,4-Trichlorobenzene	17.0		1	0.20	1.00	ug/L	11/11/25 10:35	VX111125
87-61-6	1,2,3-Trichlorobenzene	16.8		1	0.20	1.00	ug/L	11/11/25 10:35	VX111125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.0			70 (74) - 130 (125)	98%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.1			70 (75) - 130 (124)	92%	SPK: 50		
2037-26-5	Toluene-d8	51.5			70 (86) - 130 (113)	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.7			70 (77) - 130 (121)	99%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	187000							
540-36-3	1,4-Difluorobenzene	321000							
3114-55-4	Chlorobenzene-d5	287000							
3855-82-1	1,4-Dichlorobenzene-d4	142000							

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_X\Data\VX111125\
 Data File : VX048552.D
 Acq On : 11 Nov 2025 10:35
 Operator : JC/MD
 Sample : VX1111WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1111WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:41:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	187478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	320628	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	287293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	128083	49.030	ug/l	-0.02
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.060%		
35) Dibromofluoromethane	5.361	113	111758	46.053	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.100%		
50) Toluene-d8	8.628	98	389804	51.503	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.000%		
62) 4-Bromofluorobenzene	11.061	95	140209	49.710	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	31846	20.963	ug/l	99
3) Chloromethane	1.301	50	38239	18.978	ug/l	99
4) Vinyl Chloride	1.380	62	42798	18.760	ug/l	95
5) Bromomethane	1.618	94	30351	21.069	ug/l	95
6) Chloroethane	1.697	64	27306	18.277	ug/l	100
7) Trichlorofluoromethane	1.898	101	65097	18.037	ug/l	98
8) Diethyl Ether	2.130	74	26273	18.135	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	39260	18.790	ug/l	98
10) Methyl Iodide	2.453	142	55746	18.028	ug/l	100
11) Tert butyl alcohol	2.928	59	38259	77.289	ug/l	97
12) 1,1-Dichloroethene	2.325	96	39510	18.104	ug/l	97
13) Acrolein	2.233	56	11486	160.371	ug/l	93
14) Allyl chloride	2.660	41	71255	17.536	ug/l	100
15) Acrylonitrile	3.050	53	127715	88.381	ug/l	95
16) Acetone	2.367	43	112142	90.688	ug/l	99
17) Carbon Disulfide	2.514	76	107315	17.474	ug/l	99
18) Methyl Acetate	2.697	43	58958	17.349	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	140617	18.246	ug/l	99
20) Methylene Chloride	2.782	84	46771	18.397	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	42217	18.251	ug/l	96
22) Diisopropyl ether	3.739	45	144556	18.527	ug/l #	80
23) Vinyl Acetate	3.703	43	627851	91.878	ug/l	98
24) 1,1-Dichloroethane	3.599	63	79703	18.617	ug/l	99
25) 2-Butanone	4.532	43	163389	89.318	ug/l	98
26) 2,2-Dichloropropane	4.458	77	61557	16.866	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	49589	17.539	ug/l	99
28) Bromochloromethane	4.879	49	38962	18.525	ug/l	99
29) Tetrahydrofuran	4.977	42	108744	83.349	ug/l	99
30) Chloroform	5.068	83	78678	17.801	ug/l	97
31) Cyclohexane	5.452	56	61984	17.670	ug/l	92
32) 1,1,1-Trichloroethane	5.361	97	66591	17.264	ug/l	99
36) 1,1-Dichloropropene	5.672	75	51044	15.708	ug/l	98
37) Ethyl Acetate	4.684	43	76325	16.686	ug/l	98
38) Carbon Tetrachloride	5.659	117	57802	15.626	ug/l	99
39) Methylcyclohexane	7.360	83	63481	17.399	ug/l	97
40) Benzene	6.019	78	164576	16.339	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048552.D
 Acq On : 11 Nov 2025 10:35
 Operator : JC/MD
 Sample : VX1111WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1111WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:41:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	31166	15.493	ug/l	95
42) 1,2-Dichloroethane	6.068	62	57528	16.669	ug/l	100
43) Isopropyl Acetate	6.312	43	102905	16.004	ug/l	99
44) Trichloroethene	7.104	130	41997	17.443	ug/l	96
45) 1,2-Dichloropropane	7.409	63	42295	18.262	ug/l	99
46) Dibromomethane	7.562	93	31667	18.747	ug/l	98
47) Bromodichloromethane	7.799	83	64325	19.088	ug/l	98
48) Methyl methacrylate	7.671	41	51632	18.064	ug/l	99
49) 1,4-Dioxane	7.635	88	13724	315.111	ug/l #	93
51) 4-Methyl-2-Pentanone	8.549	43	353588	96.608	ug/l	98
52) Toluene	8.696	92	104353	19.678	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	63977	18.424	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	69046	19.203	ug/l	100
55) 1,1,2-Trichloroethane	9.134	97	42591	20.102	ug/l	96
56) Ethyl methacrylate	9.098	69	67501	19.149	ug/l	100
57) 1,3-Dichloropropane	9.287	76	71504	19.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	172347	90.940	ug/l	98
59) 2-Hexanone	9.409	43	258071	94.790	ug/l	99
60) Dibromochloromethane	9.500	129	49678	19.097	ug/l	96
61) 1,2-Dibromoethane	9.592	107	45390	19.779	ug/l	100
64) Tetrachloroethene	9.256	164	33751	16.174	ug/l	99
65) Chlorobenzene	10.061	112	116810	17.130	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	41108	17.992	ug/l	99
67) Ethyl Benzene	10.177	91	191522	16.726	ug/l	99
68) m/p-Xylenes	10.281	106	150992	35.012	ug/l	98
69) o-Xylene	10.622	106	72301	17.135	ug/l	100
70) Styrene	10.634	104	124383	17.573	ug/l	99
71) Bromoform	10.781	173	35217	16.707	ug/l #	97
73) Isopropylbenzene	10.945	105	184762	17.927	ug/l	98
74) N-amyl acetate	10.823	43	85415	16.506	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	64746	17.814	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	59866m	17.502	ug/l	
77) Bromobenzene	11.177	156	47542	17.864	ug/l	100
78) n-propylbenzene	11.287	91	214982	17.740	ug/l	100
79) 2-Chlorotoluene	11.341	91	129797	17.725	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	151486	18.030	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	19876	16.620	ug/l	95
82) 4-Chlorotoluene	11.433	91	150578	17.530	ug/l	98
83) tert-Butylbenzene	11.695	119	151250	17.405	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	150481	17.751	ug/l	98
85) sec-Butylbenzene	11.872	105	187607	17.468	ug/l	100
86) p-Isopropyltoluene	11.988	119	158968	17.605	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	88449	17.733	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	90728	17.610	ug/l	98
89) n-Butylbenzene	12.311	91	144896	17.106	ug/l	99
90) Hexachloroethane	12.518	117	29176	16.959	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	83852	17.512	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	14313	16.946	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	54049	16.987	ug/l	98
94) Hexachlorobutadiene	13.707	225	21638	16.268	ug/l	97
95) Naphthalene	13.756	128	174201	17.028	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	49589	16.755	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
Data File : VX048552.D
Acq On : 11 Nov 2025 10:35
Operator : JC/MD
Sample : VX1111WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1111WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

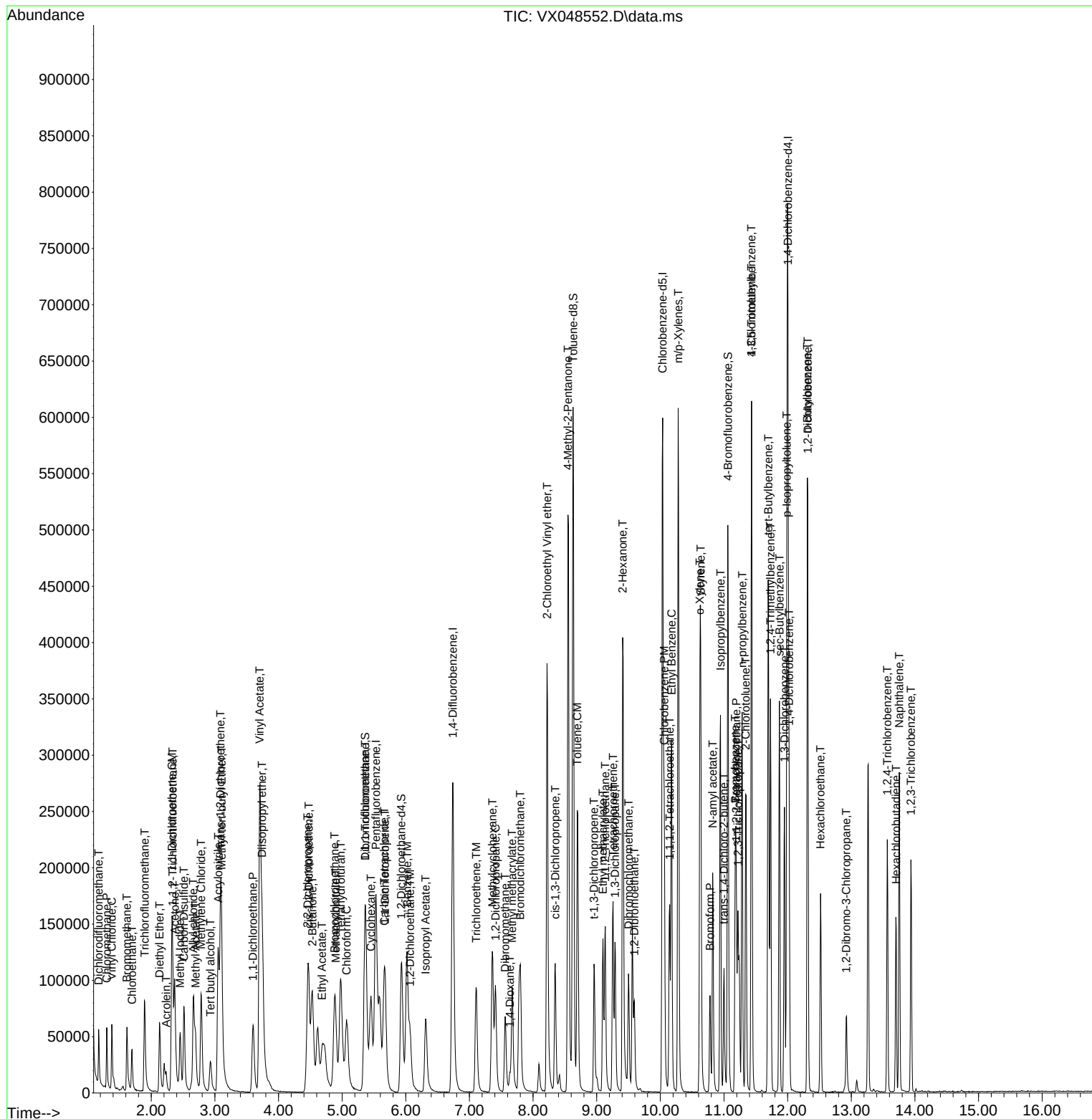
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\  
Data File : VX048552.D  
Acq On    : 11 Nov 2025  10:35  
Operator  : JC/MD  
Sample    : VX1111WBS01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VX1111WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/12/2025
Supervised By :Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:41:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



Report of Analysis

Client: Remington & Vernick Engineers

Project: Edison Landfill

Client Sample ID: VX1110WBSD01

Lab Sample ID: VX1110WBSD01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3584

Matrix: Water

% Solid: 0

Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	14.1		1	0.22	1.00	ug/L	11/10/25 12:16	VX111025
74-87-3	Chloromethane	15.8		1	0.32	1.00	ug/L	11/10/25 12:16	VX111025
75-01-4	Vinyl Chloride	16.8		1	0.26	1.00	ug/L	11/10/25 12:16	VX111025
74-83-9	Bromomethane	21.5		1	1.40	5.00	ug/L	11/10/25 12:16	VX111025
75-00-3	Chloroethane	18.3		1	0.47	1.00	ug/L	11/10/25 12:16	VX111025
75-69-4	Trichlorofluoromethane	17.6		1	0.33	1.00	ug/L	11/10/25 12:16	VX111025
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		1	0.25	1.00	ug/L	11/10/25 12:16	VX111025
75-35-4	1,1-Dichloroethene	18.1		1	0.23	1.00	ug/L	11/10/25 12:16	VX111025
67-64-1	Acetone	91.0		1	1.50	5.00	ug/L	11/10/25 12:16	VX111025
75-15-0	Carbon Disulfide	17.3		1	0.21	1.00	ug/L	11/10/25 12:16	VX111025
1634-04-4	Methyl tert-butyl Ether	18.9		1	0.16	1.00	ug/L	11/10/25 12:16	VX111025
79-20-9	Methyl Acetate	18.3		1	0.27	1.00	ug/L	11/10/25 12:16	VX111025
75-09-2	Methylene Chloride	18.4		1	0.28	1.00	ug/L	11/10/25 12:16	VX111025
156-60-5	trans-1,2-Dichloroethene	17.7		1	0.23	1.00	ug/L	11/10/25 12:16	VX111025
75-34-3	1,1-Dichloroethane	18.4		1	0.23	1.00	ug/L	11/10/25 12:16	VX111025
110-82-7	Cyclohexane	18.4		1	1.50	5.00	ug/L	11/10/25 12:16	VX111025
78-93-3	2-Butanone	98.1		1	0.98	5.00	ug/L	11/10/25 12:16	VX111025
56-23-5	Carbon Tetrachloride	16.9		1	0.25	1.00	ug/L	11/10/25 12:16	VX111025
156-59-2	cis-1,2-Dichloroethene	18.1		1	0.19	1.00	ug/L	11/10/25 12:16	VX111025
74-97-5	Bromochloromethane	17.2		1	0.22	1.00	ug/L	11/10/25 12:16	VX111025
67-66-3	Chloroform	18.3		1	0.25	1.00	ug/L	11/10/25 12:16	VX111025
71-55-6	1,1,1-Trichloroethane	17.8		1	0.20	1.00	ug/L	11/10/25 12:16	VX111025
108-87-2	Methylcyclohexane	17.8		1	0.16	1.00	ug/L	11/10/25 12:16	VX111025
71-43-2	Benzene	17.4		1	0.15	1.00	ug/L	11/10/25 12:16	VX111025
107-06-2	1,2-Dichloroethane	18.1		1	0.22	1.00	ug/L	11/10/25 12:16	VX111025
79-01-6	Trichloroethene	18.5		1	0.090	1.00	ug/L	11/10/25 12:16	VX111025
78-87-5	1,2-Dichloropropane	19.1		1	0.20	1.00	ug/L	11/10/25 12:16	VX111025
75-27-4	Bromodichloromethane	19.8		1	0.22	1.00	ug/L	11/10/25 12:16	VX111025
108-10-1	4-Methyl-2-Pentanone	110		1	0.68	5.00	ug/L	11/10/25 12:16	VX111025
108-88-3	Toluene	20.5		1	0.14	1.00	ug/L	11/10/25 12:16	VX111025
10061-02-6	t-1,3-Dichloropropene	19.0		1	0.17	1.00	ug/L	11/10/25 12:16	VX111025
10061-01-5	cis-1,3-Dichloropropene	20.0		1	0.16	1.00	ug/L	11/10/25 12:16	VX111025
79-00-5	1,1,2-Trichloroethane	21.0		1	0.21	1.00	ug/L	11/10/25 12:16	VX111025
591-78-6	2-Hexanone	100		1	0.89	5.00	ug/L	11/10/25 12:16	VX111025
124-48-1	Dibromochloromethane	20.0		1	0.18	1.00	ug/L	11/10/25 12:16	VX111025
106-93-4	1,2-Dibromoethane	20.9		1	0.15	1.00	ug/L	11/10/25 12:16	VX111025
127-18-4	Tetrachloroethene	18.4		1	0.23	1.00	ug/L	11/10/25 12:16	VX111025
108-90-7	Chlorobenzene	18.4		1	0.12	1.00	ug/L	11/10/25 12:16	VX111025
100-41-4	Ethyl Benzene	18.2		1	0.13	1.00	ug/L	11/10/25 12:16	VX111025
179601-23-1	m/p-Xylenes	38.0		1	0.24	2.00	ug/L	11/10/25 12:16	VX111025
95-47-6	o-Xylene	18.7		1	0.12	1.00	ug/L	11/10/25 12:16	VX111025
100-42-5	Styrene	19.1		1	0.15	1.00	ug/L	11/10/25 12:16	VX111025
75-25-2	Bromoform	18.3		1	0.19	1.00	ug/L	11/10/25 12:16	VX111025

Report of Analysis

Client: Remington & Vernick Engineers

Project: Edison Landfill

Client Sample ID: VX1110WBSD01

Lab Sample ID: VX1110WBSD01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3584

Matrix: Water

% Solid: 0

Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	18.7		1	0.12	1.00	ug/L	11/10/25 12:16	VX111025
79-34-5	1,1,2,2-Tetrachloroethane	18.3		1	0.26	1.00	ug/L	11/10/25 12:16	VX111025
541-73-1	1,3-Dichlorobenzene	18.0		1	0.16	1.00	ug/L	11/10/25 12:16	VX111025
106-46-7	1,4-Dichlorobenzene	17.9		1	0.19	1.00	ug/L	11/10/25 12:16	VX111025
95-50-1	1,2-Dichlorobenzene	18.1		1	0.16	1.00	ug/L	11/10/25 12:16	VX111025
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		1	0.53	1.00	ug/L	11/10/25 12:16	VX111025
120-82-1	1,2,4-Trichlorobenzene	17.8		1	0.20	1.00	ug/L	11/10/25 12:16	VX111025
87-61-6	1,2,3-Trichlorobenzene	18.9		1	0.20	1.00	ug/L	11/10/25 12:16	VX111025
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.4			70 (74) - 130 (125)	101%	SPK: 50		
1868-53-7	Dibromofluoromethane	45.5			70 (75) - 130 (124)	91%	SPK: 50		
2037-26-5	Toluene-d8	50.0			70 (86) - 130 (113)	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.9			70 (77) - 130 (121)	98%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	187000							
540-36-3	1,4-Difluorobenzene	314000							
3114-55-4	Chlorobenzene-d5	273000							
3855-82-1	1,4-Dichlorobenzene-d4	140000							

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_X\Data\VX111025\
 Data File : VX048531.D
 Acq On : 10 Nov 2025 12:16
 Operator : JC/MD
 Sample : VX1110WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1110WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:44:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	186739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	314084	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	272722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	131022	50.353	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.700%			
35) Dibromofluoromethane	5.367	113	108083	45.467	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.940%			
50) Toluene-d8	8.628	98	370461	49.967	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.940%			
62) 4-Bromofluorobenzene	11.061	95	134981	48.854	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	21270	14.057	ug/l	99
3) Chloromethane	1.301	50	31642	15.766	ug/l	100
4) Vinyl Chloride	1.380	62	38176	16.800	ug/l	99
5) Bromomethane	1.618	94	30808	21.471	ug/l	95
6) Chloroethane	1.697	64	27211	18.285	ug/l	100
7) Trichlorofluoromethane	1.892	101	63335	17.618	ug/l	98
8) Diethyl Ether	2.130	74	26370	18.274	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	38071	18.293	ug/l	100
10) Methyl Iodide	2.453	142	60312	19.582	ug/l	100
11) Tert butyl alcohol	2.934	59	47232	95.794	ug/l	97
12) 1,1-Dichloroethene	2.325	96	39354	18.103	ug/l	90
13) Acrolein	2.233	56	6222	87.217	ug/l	98
14) Allyl chloride	2.666	41	71244	17.603	ug/l	98
15) Acrylonitrile	3.050	53	136142	94.585	ug/l	98
16) Acetone	2.367	43	112083	90.999	ug/l	98
17) Carbon Disulfide	2.514	76	105680	17.276	ug/l	99
18) Methyl Acetate	2.697	43	61904	18.288	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	145402	18.941	ug/l	97
20) Methylene Chloride	2.788	84	46553	18.384	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	40819	17.717	ug/l	95
22) Diisopropyl ether	3.745	45	147454	18.973	ug/l	94
23) Vinyl Acetate	3.709	43	631468	92.773	ug/l	98
24) 1,1-Dichloroethane	3.599	63	78660	18.446	ug/l	100
25) 2-Butanone	4.532	43	178755	98.105	ug/l	100
26) 2,2-Dichloropropane	4.465	77	60785	16.720	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	51067	18.133	ug/l	100
28) Bromochloromethane	4.873	49	35994	17.182	ug/l	97
29) Tetrahydrofuran	4.983	42	121604	93.574	ug/l	98
30) Chloroform	5.074	83	80488	18.283	ug/l	99
31) Cyclohexane	5.458	56	64314	18.407	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	68308	17.779	ug/l	100
36) 1,1-Dichloropropene	5.678	75	52158	16.386	ug/l	98
37) Ethyl Acetate	4.690	43	79538	17.751	ug/l	98
38) Carbon Tetrachloride	5.659	117	61169	16.881	ug/l	100
39) Methylcyclohexane	7.367	83	63750	17.836	ug/l	96
40) Benzene	6.019	78	172089	17.441	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048531.D
 Acq On : 10 Nov 2025 12:16
 Operator : JC/MD
 Sample : VX1110WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1110WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/11/2025
 Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:44:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	37669	19.116	ug/l	95
42) 1,2-Dichloroethane	6.062	62	61312	18.136	ug/l	99
43) Isopropyl Acetate	6.318	43	114026	18.104	ug/l	99
44) Trichloroethene	7.104	130	43662	18.513	ug/l	95
45) 1,2-Dichloropropane	7.409	63	43274	19.074	ug/l	98
46) Dibromomethane	7.562	93	33518	20.256	ug/l	96
47) Bromodichloromethane	7.805	83	65250	19.766	ug/l	99
48) Methyl methacrylate	7.671	41	54587	19.496	ug/l	98
49) 1,4-Dioxane	7.641	88	17256	404.463	ug/l #	96
51) 4-Methyl-2-Pentanone	8.555	43	376752	105.082	ug/l	97
52) Toluene	8.702	92	106489	20.499	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	64740	19.033	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	70428	19.996	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	43645	21.029	ug/l	96
56) Ethyl methacrylate	9.098	69	72320	20.943	ug/l	99
57) 1,3-Dichloropropane	9.293	76	74383	20.590	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.220	63	189469	102.057	ug/l	99
59) 2-Hexanone	9.415	43	277906	104.203	ug/l	100
60) Dibromochloromethane	9.506	129	50954	19.995	ug/l	98
61) 1,2-Dibromoethane	9.592	107	46976	20.897	ug/l	99
64) Tetrachloroethene	9.256	164	36443	18.398	ug/l	98
65) Chlorobenzene	10.061	112	119032	18.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	42224	19.468	ug/l	97
67) Ethyl Benzene	10.177	91	198257	18.239	ug/l	99
68) m/p-Xylenes	10.287	106	155476	37.978	ug/l	98
69) o-Xylene	10.622	106	74716	18.654	ug/l	98
70) Styrene	10.640	104	128142	19.072	ug/l	98
71) Bromoform	10.781	173	36575	18.278	ug/l #	98
73) Isopropylbenzene	10.945	105	190283	18.736	ug/l	100
74) N-amyl acetate	10.823	43	93058	18.248	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	65696	18.343	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	61374m	18.207	ug/l	
77) Bromobenzene	11.177	156	48495	18.492	ug/l	99
78) n-propylbenzene	11.287	91	215215	18.022	ug/l	98
79) 2-Chlorotoluene	11.347	91	132256	18.328	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	151610	18.312	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	20599	17.479	ug/l	95
82) 4-Chlorotoluene	11.433	91	153524	18.137	ug/l	98
83) tert-Butylbenzene	11.695	119	157954	18.445	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	155016	18.556	ug/l	100
85) sec-Butylbenzene	11.872	105	192833	18.219	ug/l	100
86) p-Isopropyltoluene	11.988	119	163688	18.396	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	88632	18.032	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	90720	17.869	ug/l	99
89) n-Butylbenzene	12.317	91	148103	17.742	ug/l	100
90) Hexachloroethane	12.518	117	29792	17.573	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	85315	18.081	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15665	18.821	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	55768	17.786	ug/l	99
94) Hexachlorobutadiene	13.707	225	23639	18.035	ug/l	97
95) Naphthalene	13.756	128	193138	19.158	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	55097	18.891	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048531.D
Acq On : 10 Nov 2025 12:16
Operator : JC/MD
Sample : VX1110WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1110WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:44:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

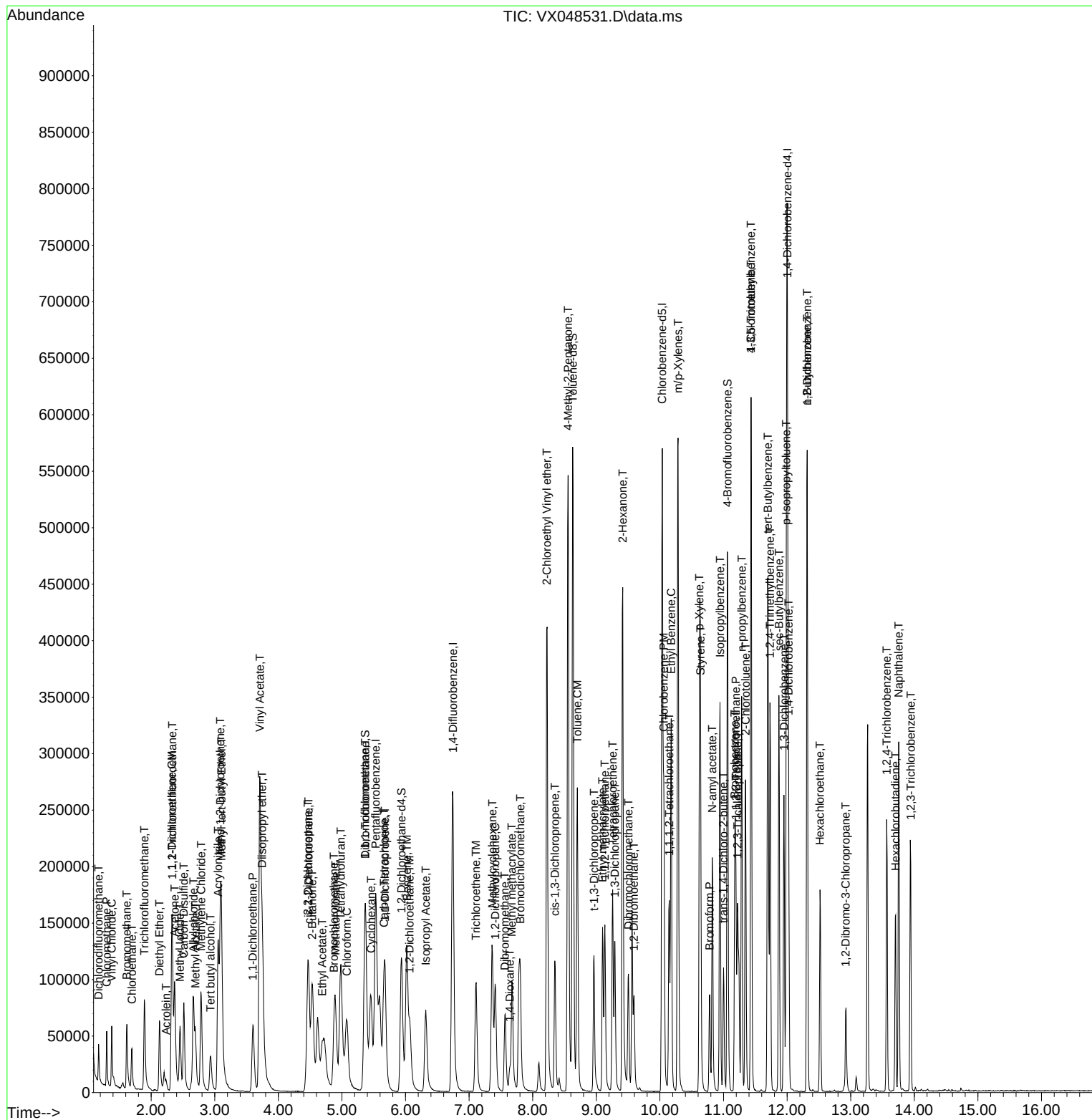
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
Data File : VX048531.D
Acq On : 10 Nov 2025 12:16
Operator : JC/MD
Sample : VX1110WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1110WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/11/2025
Supervised By :Semsettin Yesilyurt 11/11/2025

Quant Time: Nov 11 00:44:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VX110725	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC001	VX048516.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDIC001	VX048516.D	1,4-Dichlorobenzene	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDIC001	VX048516.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDIC005	VX048517.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:24 AM	sam	11/10/2025 10:11:30 AM	Peak Integrated by Software
VSTDIC005	VX048517.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:24 AM	sam	11/10/2025 10:11:30 AM	Peak Integrated by Software
VSTDIC020	VX048518.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDIC020	VX048518.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDIC020	VX048518.D	Acrolein	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDIC100	VX048520.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:38 AM	sam	11/10/2025 10:12:15 AM	Peak Integrated by Software
VSTDIC100	VX048520.D	Bromomethane	JOHN	11/10/2025 8:27:38 AM	sam	11/10/2025 10:12:15 AM	Peak Integrated by Software
VSTDIC150	VX048521.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:44 AM	sam	11/10/2025 10:11:39 AM	Peak Integrated by Software
VSTDICCC050	VX048524.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:53 AM	sam	11/10/2025 10:12:22 AM	Peak Integrated by Software
VSTDICV050	VX048525.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:58 AM	sam	11/10/2025 10:11:48 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VX110725

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	VX111025	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048527.D	1,2,3-Trichloropropane	JOHN	11/11/2025 8:01:07 AM	sam	11/11/2025 12:33:50 PM	Peak Integrated by Software
VX1110WBS01	VX048530.D	1,2,3-Trichloropropane	JOHN	11/11/2025 8:01:11 AM	sam	11/11/2025 12:33:56 PM	Peak Integrated by Software
VX1110WBSD0 1	VX048531.D	1,2,3-Trichloropropane	JOHN	11/11/2025 8:01:16 AM	sam	11/11/2025 12:34:02 PM	Peak Integrated by Software
VSTDCCC050	VX048547.D	1,2,3-Trichloropropane	JOHN	11/11/2025 8:01:20 AM	sam	11/11/2025 12:34:11 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX111125

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048549.D	1,2,3-Trichloropropane	JOHN	11/12/2025 8:04:08 AM	MMDadoda	11/12/2025 11:42:51 AM	Peak Integrated by Software
VX1111WBS01	VX048552.D	1,2,3-Trichloropropane	JOHN	11/12/2025 8:04:13 AM	MMDadoda	11/12/2025 11:42:56 AM	Peak Integrated by Software
VSTDCCC050	VX048561.D	1,2,3-Trichloropropane	JOHN	11/12/2025 8:04:29 AM	MMDadoda	11/12/2025 11:43:06 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX110725

Review By	John Carlone	Review On	11/10/2025 8:28:24 AM
Supervise By	Amit Patel	Supervise On	11/10/2025 9:54:56 AM
SubDirectory	VX110725	HP Acquire Method	HP Processing Method
STD. NAME	STD REF.#		
Tune/Reschk	VP136104		
Initial Calibration Stds	VP136097,VP136098,VP135099,VP136100,VP136101,VP135102		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP136103		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048515.D	07 Nov 2025 13:06	JC/MD	Ok
2	VSTDICC001	VX048516.D	07 Nov 2025 13:35	JC/MD	Ok,M
3	VSTDICC005	VX048517.D	07 Nov 2025 13:56	JC/MD	Ok,M
4	VSTDICC020	VX048518.D	07 Nov 2025 14:16	JC/MD	Ok,M
5	VSTDICCC050	VX048519.D	07 Nov 2025 14:37	JC/MD	Not Ok
6	VSTDICC100	VX048520.D	07 Nov 2025 14:58	JC/MD	Ok,M
7	VSTDICC150	VX048521.D	07 Nov 2025 15:18	JC/MD	Ok,M
8	VIBLK	VX048522.D	07 Nov 2025 15:39	JC/MD	Ok
9	VSTDICC005	VX048523.D	07 Nov 2025 16:08	JC/MD	Not Ok
10	VSTDICCC050	VX048524.D	07 Nov 2025 16:29	JC/MD	Ok,M
11	VSTDICV050	VX048525.D	07 Nov 2025 16:50	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX111025

Review By	John Carlone	Review On	11/11/2025 8:25:59 AM
Supervise By	Semsettin Yesilyurt	Supervise On	11/11/2025 12:40:16 PM
SubDirectory	VX111025	HP Acquire Method	HP Processing Method 82X110725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136105		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136106,VP136107		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048526.D	10 Nov 2025 08:34	JC/MD	Ok
2	VSTDCCC050	VX048527.D	10 Nov 2025 09:36	JC/MD	Ok,M
3	VX1110WBL01	VX048528.D	10 Nov 2025 10:04	JC/MD	Ok
4	VX1110MBL01	VX048529.D	10 Nov 2025 11:28	JC/MD	Ok
5	VX1110WBS01	VX048530.D	10 Nov 2025 11:49	JC/MD	Ok,M
6	VX1110WBSD01	VX048531.D	10 Nov 2025 12:16	JC/MD	Ok,M
7	Q3573-01	VX048532.D	10 Nov 2025 12:37	JC/MD	Ok
8	Q3573-02	VX048533.D	10 Nov 2025 12:58	JC/MD	Ok
9	Q3573-03	VX048534.D	10 Nov 2025 13:19	JC/MD	Ok
10	Q3573-04	VX048535.D	10 Nov 2025 13:43	JC/MD	Ok
11	Q3569-03	VX048536.D	10 Nov 2025 14:04	JC/MD	Ok
12	Q3584-04	VX048537.D	10 Nov 2025 14:25	JC/MD	ReRun
13	Q3584-05	VX048538.D	10 Nov 2025 14:45	JC/MD	Ok
14	Q3584-06	VX048539.D	10 Nov 2025 15:06	JC/MD	Ok
15	Q3584-01	VX048540.D	10 Nov 2025 15:27	JC/MD	Ok
16	Q3584-02	VX048541.D	10 Nov 2025 15:48	JC/MD	Ok
17	Q3584-03	VX048542.D	10 Nov 2025 16:08	JC/MD	Ok
18	Q3569-01	VX048543.D	10 Nov 2025 16:29	JC/MD	Ok
19	Q3569-02	VX048544.D	10 Nov 2025 16:49	JC/MD	Dilution
20	Q3584-07	VX048545.D	10 Nov 2025 17:10	JC/MD	Not Ok
21	IBLK	VX048546.D	10 Nov 2025 17:30	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX111025

Review By	John Carlone	Review On	11/11/2025 8:25:59 AM
Supervise By	Semsettin Yesilyurt	Supervise On	11/11/2025 12:40:16 PM
SubDirectory	VX111025	HP Acquire Method	HP Processing Method 82X110725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136105		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136106,VP136107		

22	VSTDCCC050	VX048547.D	10 Nov 2025 17:51	JC/MD	Ok,M
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M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX111125

Review By	John Carlone	Review On	11/12/2025 8:11:22 AM
Supervise By	Maresh Dadoda	Supervise On	11/12/2025 11:43:18 AM
SubDirectory	VX111125	HP Acquire Method	HP Processing Method 82X110725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136142		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136143,VP136144		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048548.D	11 Nov 2025 08:09	JC/MD	Ok
2	VSTDCCC050	VX048549.D	11 Nov 2025 09:11	JC/MD	Ok,M
3	VX1111MBL01	VX048550.D	11 Nov 2025 09:41	JC/MD	Ok
4	VX1111WBL01	VX048551.D	11 Nov 2025 10:02	JC/MD	Ok
5	VX1111WBS01	VX048552.D	11 Nov 2025 10:35	JC/MD	Ok,M
6	VX1111WBSD01	VX048553.D	11 Nov 2025 11:03	JC/MD	Ok,M
7	IBLK	VX048554.D	11 Nov 2025 11:23	JC/MD	Ok
8	Q3584-04	VX048555.D	11 Nov 2025 11:43	JC/MD	Ok
9	Q3584-07	VX048556.D	11 Nov 2025 12:04	JC/MD	Ok
10	Q3569-02DL	VX048557.D	11 Nov 2025 12:24	JC/MD	Ok
11	Q3574-01	VX048558.D	11 Nov 2025 12:45	JC/MD	Not Ok
12	Q3574-01	VX048559.D	11 Nov 2025 13:25	JC/MD	Not Ok
13	IBLK	VX048560.D	11 Nov 2025 13:45	JC/MD	Ok
14	VSTDCCC050	VX048561.D	11 Nov 2025 15:06	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX110725

Review By	John Carlone	Review On	11/10/2025 8:28:24 AM
Supervise By	Amit Patel	Supervise On	11/10/2025 9:54:56 AM
SubDirectory	VX110725	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP136104
Initial Calibration Stds	VP136097,VP136098,VP135099,VP136100,VP136101,VP135102
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136103
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048515.D	07 Nov 2025 13:06		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX048516.D	07 Nov 2025 13:35		JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX048517.D	07 Nov 2025 13:56		JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX048518.D	07 Nov 2025 14:16		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX048519.D	07 Nov 2025 14:37	spiked low	JC/MD	Not Ok
6	VSTDIC100	VSTDIC100	VX048520.D	07 Nov 2025 14:58		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX048521.D	07 Nov 2025 15:18		JC/MD	Ok,M
8	VIBLK	VIBLK	VX048522.D	07 Nov 2025 15:39		JC/MD	Ok
9	VSTDIC005	VSTDIC005	VX048523.D	07 Nov 2025 16:08	spike error	JC/MD	Not Ok
10	VSTDICCC050	VSTDICCC050	VX048524.D	07 Nov 2025 16:29		JC/MD	Ok,M
11	VSTDICV050	ICVVX110725	VX048525.D	07 Nov 2025 16:50		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX111025

Review By	John Carlone	Review On	11/11/2025 8:25:59 AM
Supervise By	Semsettin Yesilyurt	Supervise On	11/11/2025 12:40:16 PM
SubDirectory	VX111025	HP Acquire Method	HP Processing Method 82X110725W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136105
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136106,VP136107

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048526.D	10 Nov 2025 08:34		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048527.D	10 Nov 2025 09:36	pH#Lot#V12668	JC/MD	Ok,M
3	VX1110WBL01	VX1110WBL01	VX048528.D	10 Nov 2025 10:04		JC/MD	Ok
4	VX1110MBL01	VX1110MBL01	VX048529.D	10 Nov 2025 11:28		JC/MD	Ok
5	VX1110WBS01	VX1110WBS01	VX048530.D	10 Nov 2025 11:49		JC/MD	Ok,M
6	VX1110WBSD01	VX1110WBSD01	VX048531.D	10 Nov 2025 12:16		JC/MD	Ok,M
7	Q3573-01	STORAGE-BLANK-SO	VX048532.D	10 Nov 2025 12:37	vial A pH<2	JC/MD	Ok
8	Q3573-02	STORAGE-BLANK-WA	VX048533.D	10 Nov 2025 12:58	vial A pH<2	JC/MD	Ok
9	Q3573-03	STORAGE-BLANK-WA	VX048534.D	10 Nov 2025 13:19	vial A pH<2	JC/MD	Ok
10	Q3573-04	STORAGE-BLANK-SAI	VX048535.D	10 Nov 2025 13:43	vial A pH<2	JC/MD	Ok
11	Q3569-03	TB-2	VX048536.D	10 Nov 2025 14:04	vial A pH<2 TB	JC/MD	Ok
12	Q3584-04	EB-2	VX048537.D	10 Nov 2025 14:25	vial A pH<2 EB;Hit of Com.#16	JC/MD	ReRun
13	Q3584-05	FB-2	VX048538.D	10 Nov 2025 14:45	vial A pH<2 FB	JC/MD	Ok
14	Q3584-06	TB-3	VX048539.D	10 Nov 2025 15:06	vial A pH<2 TB	JC/MD	Ok
15	Q3584-01	SW-1	VX048540.D	10 Nov 2025 15:27	vial A pH<2	JC/MD	Ok
16	Q3584-02	SW-2	VX048541.D	10 Nov 2025 15:48	vial A pH<2	JC/MD	Ok
17	Q3584-03	SW-3	VX048542.D	10 Nov 2025 16:08	vial A pH<2	JC/MD	Ok
18	Q3569-01	MW-2	VX048543.D	10 Nov 2025 16:29	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX111025

Review By	John Carlone	Review On	11/11/2025 8:25:59 AM
Supervise By	Semsettin Yesilyurt	Supervise On	11/11/2025 12:40:16 PM
SubDirectory	VX111025	HP Acquire Method	HP Processing Method 82X110725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136105		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136106,VP136107		

19	Q3569-02	MW-12	VX048544.D	10 Nov 2025 16:49	vial A pH<2 Need 5X	JC/MD	Dilution
20	Q3584-07	SEEP-1	VX048545.D	10 Nov 2025 17:10	Need Straight Run	JC/MD	Not Ok
21	IBLK	IBLK	VX048546.D	10 Nov 2025 17:30		JC/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VX048547.D	10 Nov 2025 17:51		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX111125

Review By	John Carlone	Review On	11/12/2025 8:11:22 AM
Supervise By	Maresh Dadoda	Supervise On	11/12/2025 11:43:18 AM
SubDirectory	VX111125	HP Acquire Method	HP Processing Method 82X110725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136142		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136143,VP136144		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048548.D	11 Nov 2025 08:09		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048549.D	11 Nov 2025 09:11	pH#Lot#V12668	JC/MD	Ok,M
3	VX1111MBL01	VX1111MBL01	VX048550.D	11 Nov 2025 09:41		JC/MD	Ok
4	VX1111WBL01	VX1111WBL01	VX048551.D	11 Nov 2025 10:02		JC/MD	Ok
5	VX1111WBS01	VX1111WBS01	VX048552.D	11 Nov 2025 10:35	BS failed low for com.#40	JC/MD	Ok,M
6	VX1111WBSD01	VX1111WBSD01	VX048553.D	11 Nov 2025 11:03		JC/MD	Ok,M
7	IBLK	IBLK	VX048554.D	11 Nov 2025 11:23		JC/MD	Ok
8	Q3584-04	EB-2	VX048555.D	11 Nov 2025 11:43	vial B pH<2	JC/MD	Ok
9	Q3584-07	SEEP-1	VX048556.D	11 Nov 2025 12:04	vial A pH<2	JC/MD	Ok
10	Q3569-02DL	MW-12DL	VX048557.D	11 Nov 2025 12:24	vial B pH<2	JC/MD	Ok
11	Q3574-01	304641-01 Liquid	VX048558.D	11 Nov 2025 12:45	Surrogate fail;Run @ Lower Dilution	JC/MD	Not Ok
12	Q3574-01	304641-01 Liquid	VX048559.D	11 Nov 2025 13:25	Surrogate fail;Need straight run	JC/MD	Not Ok
13	IBLK	IBLK	VX048560.D	11 Nov 2025 13:45		JC/MD	Ok
14	VSTDCCC050	VSTDCCC050EC	VX048561.D	11 Nov 2025 15:06		JC/MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Remington & Vemick Engineers

ADDRESS: 2059 Springdale Road

CITY: Cherry Hill STATE: NJ ZIP: 08003

ATTENTION: byle.canson@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: 610-663-4145 FAX:

CLIENT BILLING INFORMATION

BILL TO: APinow@ne.com PO#: 1205T007

ADDRESS: 2059 Springdale Road

CITY: Cherry Hill STATE: NJ ZIP: 08003

ATTENTION: Leslie Hartzell PHONE: 610-663-4665

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): STAT _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)

☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP

☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

+ Raw Data) ☐ Other

☒ EDD FORMAT: NJ HOTS+P

1. TOTAL+30
2. EPH
3. VOCs
4. Hexachloro
5. TALNEALS
6. CYANIDE
7. COD
8. TKN
9. OIL & GREASE

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	A	A	F	B	D	C	C	C	← Specify Preservatives A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
								1	2	3	4	5	6	7	8	9		
1.	SW-1	SW		X	11/6/25	14:15	15	7	1	2	1	1	1	1	1			
2.	SW-2	SW		X	11/7/25	8:30	15	7	1	2	1	1	1	1	1			
3.	SW-3	SW		X	11/7/25	8:15	15	7	1	2	1	1	1	1	1			
4.	EB-2	GW		X	11/6/25	15:25	8	3		2	1	1	1				equipment blank	
5.	FB-2	GW		X	11/7/25	8:55	11	3		5	1	1	1				field blank	
6.	TB-3	GW		X	11/7/25	8:00	2			2							trip blank	
7.	SEEP-1	GW		X	11/7/25	10:40	15	7		2	1	1	1	1	1	1		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. Arina Narex	DATE/TIME: 11/7/25 (10:00)	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 + 0 = 3.5
RELINQUISHED BY SAMPLER: 2.	DATE/TIME: 11-7-25	RECEIVED BY: JT	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 11-7-25	RECEIVED BY: 3.	

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

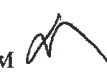
Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3584	REMI02	Order Date : 11/7/2025 3:17:00 PM	Project Mgr : Yazmeen
Client Name : Remington & Vernick Engi		Project Name : Edison Landfill	Report Type : NJ Reduced
Client Contact : Kyle Carlson		Receive DateTime : 11/7/2025 12:00:00 AM <i>dm</i>	EDD Type : Excel NJ
Invoice Name : Remington & Vernick Engi		Purchase Order : 17:20	Hard Copy Date :
Invoice Contact : Kyle Carlson			Date Signoff : 11/7/2025 4:43:47 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3584-01	SW-1	Water	11/06/2025	14:15	VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days
Q3584-02	SW-2	Water	11/07/2025	08:30	VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days
Q3584-03	SW-3	Water	11/07/2025	08:15	VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days
Q3584-04	EB-2	Water	11/06/2025	15:25	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q3584-05	FB-2	Water	11/07/2025	08:55	VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days
Q3584-06	TB-3	Water	11/07/2025	08:00	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q3584-07	SEEP-1	Water	11/07/2025	10:40	VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3584	REMI02	Order Date : 11/7/2025 3:17:00 PM	Project Mgr : Yazmeen
Client Name : Remington & Vernick Engi		Project Name : Edison Landfill	Report Type : NJ Reduced
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Invoice Contact : Kyle Carlson			Date Signoff : 11/7/2025 4:43:47 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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*Stored in VOA
Ref # 04*

Relinquished By :

Date / Time : 11/10/25 10:35

Received By :

Date / Time : 11/10/25 10:35

Storage Area : VOA Refridgerator Room