

Hit Summary Sheet
SW-846

SDG No.: Q3277

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q3277-01	WC1 WC1	SOIL	Methylene Chloride	4.00	J	3.60	10.2	ug/Kg
			Total Voc :	4.00				
			Total Concentration:	4.00				



SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:	09/30/25	
Project:	Newport		Date Received:	10/02/25	
Client Sample ID:	WC1		SDG No.:	Q3277	
Lab Sample ID:	Q3277-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	97.6	
Sample Wt/Vol:	5.02	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032348.D	1	10/03/25 13:00	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.81	U	0.81	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.10	ug/Kg
67-64-1	Acetone	4.80	U	4.80	25.5	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	4.00	J	3.60	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.88	U	0.88	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.82	U	0.82	5.10	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.10	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	25.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.77	U	0.77	5.10	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	0.86	U	0.86	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.93	U	0.93	5.10	ug/Kg
71-43-2	Benzene	0.81	U	0.81	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.81	U	0.81	5.10	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.93	U	0.93	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.80	U	0.80	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	25.5	ug/Kg
108-88-3	Toluene	0.80	U	0.80	5.10	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	09/30/25	
Project:	Newport		Date Received:	10/02/25	
Client Sample ID:	WC1		SDG No.:	Q3277	
Lab Sample ID:	Q3277-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	97.6	
Sample Wt/Vol:	5.02	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032348.D	1	10/03/25 13:00	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.94	5.10	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.5	ug/Kg
124-48-1	Dibromochloromethane	0.89	U	0.89	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.2	ug/Kg
95-47-6	o-Xylene	0.84	U	0.84	5.10	ug/Kg
100-42-5	Styrene	0.72	U	0.72	5.10	ug/Kg
75-25-2	Bromoform	0.88	U	0.88	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.80	U	0.80	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.3		63 - 155	129%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5		70 - 134	111%	SPK: 50
2037-26-5	Toluene-d8	54.0		74 - 123	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		17 - 146	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	7.965			
540-36-3	1,4-Difluorobenzene	429000	8.855			
3114-55-4	Chlorobenzene-d5	435000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.556			

Report of Analysis

Client:	G Environmental		Date Collected:	09/30/25	
Project:	Newport		Date Received:	10/02/25	
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Lab Sample ID:	Q3277-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	97.6	
Sample Wt/Vol:	5.02	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032348.D	1	10/03/25 13:00	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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



QC SUMMARY

Surrogate Summary

SDG No.: Q3277

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3277-01	WC1	1,2-Dichloroethane-d4	50	64.3	129		63	155
		Dibromofluoromethane	50	55.5	111		70	134
		Toluene-d8	50	54.0	108		74	123
		4-Bromofluorobenzene	50	53.6	107		17	146
VW1003SBL01	VW1003SBL01	1,2-Dichloroethane-d4	50	62.5	125		63	155
		Dibromofluoromethane	50	53.4	107		70	134
		Toluene-d8	50	53.6	107		74	123
		4-Bromofluorobenzene	50	50.9	102		17	146
VW1003SBS01	VW1003SBS01	1,2-Dichloroethane-d4	50	50.6	101		63	155
		Dibromofluoromethane	50	49.6	99		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	50.0	100		17	146
VW1003SBSD0	VW1003SBSD01	1,2-Dichloroethane-d4	50	51.2	102		63	155
		Dibromofluoromethane	50	51.3	103		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	52.4	105		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	<u>Q3277</u>	SW-846	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :		<u>VW032341.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1003SBS01	Dichlorodifluoromethane	20	20.6	ug/Kg	103			64	136	
	Chloromethane	20	19.4	ug/Kg	97			52	151	
	Vinyl chloride	20	22.0	ug/Kg	110			56	148	
	Bromomethane	20	20.9	ug/Kg	104			58	141	
	Chloroethane	20	20.8	ug/Kg	104			69	130	
	Trichlorofluoromethane	20	20.1	ug/Kg	101			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			81	123	
	1,1-Dichloroethene	20	21.5	ug/Kg	108			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	21.4	ug/Kg	107			59	130	
	Methyl tert-butyl Ether	20	21.0	ug/Kg	105			77	129	
	Methyl Acetate	20	18.5	ug/Kg	93			69	149	
	Methylene Chloride	20	23.3	ug/Kg	117			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	20.8	ug/Kg	104			82	123	
	Cyclohexane	20	20.5	ug/Kg	103			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	20.9	ug/Kg	104			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	20.3	ug/Kg	102			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108			80	126	
	Methylcyclohexane	20	20.3	ug/Kg	102			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			81	126	
	Trichloroethene	20	20.9	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.6	ug/Kg	103			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	21.1	ug/Kg	106			83	122	
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	20.6	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	20.9	ug/Kg	104			80	125	
	Tetrachloroethene	20	20.4	ug/Kg	102			83	125	
	Chlorobenzene	20	20.6	ug/Kg	103			84	122	
	Ethyl Benzene	20	20.9	ug/Kg	104			82	124	
	m/p-Xylenes	40	42.0	ug/Kg	105			83	124	
	o-Xylene	20	20.4	ug/Kg	102			83	123	
	Styrene	20	21.1	ug/Kg	106			82	124	
	Bromoform	20	19.6	ug/Kg	98			75	127	
	Isopropylbenzene	20	20.6	ug/Kg	103			82	124	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100			77	127	
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103			83	122	
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104			84	121	
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3277</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW032341.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VW1003SBS01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95			66	134	
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102			78	127	
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3277	SW-846	Analytical Method:	SW8260D
Client:	G Environmental		Datafile :	VW032342.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1003SBSD01	Dichlorodifluoromethane	20	20.9	ug/Kg	104	1		64	136	20
	Chloromethane	20	19.8	ug/Kg	99	2		52	151	20
	Vinyl chloride	20	21.9	ug/Kg	110	0		56	148	20
	Bromomethane	20	21.6	ug/Kg	108	4		58	141	20
	Chloroethane	20	21.1	ug/Kg	106	2		69	130	20
	Trichlorofluoromethane	20	22.6	ug/Kg	113	11		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104	1		81	123	20
	1,1-Dichloroethene	20	21.1	ug/Kg	106	2		79	121	20
	Acetone	100	100	ug/Kg	100	10		40	171	20
	Carbon disulfide	20	21.5	ug/Kg	108	1		59	130	20
	Methyl tert-butyl Ether	20	21.5	ug/Kg	108	3		77	129	20
	Methyl Acetate	20	19.4	ug/Kg	97	4		69	149	20
	Methylene Chloride	20	23.5	ug/Kg	117	0		72	131	20
	trans-1,2-Dichloroethene	20	21.3	ug/Kg	106	2		80	123	20
	1,1-Dichloroethane	20	21.4	ug/Kg	107	3		82	123	20
	Cyclohexane	20	20.8	ug/Kg	104	1		76	122	20
	2-Butanone	100	100	ug/Kg	100	0		69	131	20
	Carbon Tetrachloride	20	22.2	ug/Kg	111	7		76	129	20
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106	3		82	123	20
	Bromochloromethane	20	20.4	ug/Kg	102	0		80	127	20
	Chloroform	20	21.7	ug/Kg	109	1		82	125	20
	1,1,1-Trichloroethane	20	21.9	ug/Kg	110	2		80	126	20
	Methylcyclohexane	20	21.1	ug/Kg	106	4		77	123	20
	Benzene	20	21.5	ug/Kg	108	4		84	121	20
	1,2-Dichloroethane	20	21.4	ug/Kg	107	3		81	126	20
	Trichloroethene	20	21.7	ug/Kg	109	5		83	122	20
	1,2-Dichloropropane	20	21.2	ug/Kg	106	3		83	122	20
	Bromodichloromethane	20	20.9	ug/Kg	104	1		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		70	135	20
	Toluene	20	21.4	ug/Kg	107	1		83	122	20
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103	2		78	124	20
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	1		81	122	20
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106	0		82	125	20
	2-Hexanone	100	110	ug/Kg	110	10		66	138	20
	Dibromochloromethane	20	21.2	ug/Kg	106	3		79	125	20
	1,2-Dibromoethane	20	20.8	ug/Kg	104	0		80	125	20
	Tetrachloroethene	20	20.5	ug/Kg	103	1		83	125	20
	Chlorobenzene	20	20.9	ug/Kg	104	1		84	122	20
	Ethyl Benzene	20	20.9	ug/Kg	104	0		82	124	20
	m/p-Xylenes	40	42.1	ug/Kg	105	0		83	124	20
	o-Xylene	20	20.4	ug/Kg	102	0		83	123	20
	Styrene	20	21.2	ug/Kg	106	0		82	124	20
	Bromoform	20	19.5	ug/Kg	98	0		75	127	20
	Isopropylbenzene	20	20.4	ug/Kg	102	1		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100	0		77	127	20
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	1		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	0		84	121	20
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	5		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3277</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW032342.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1003SBSD01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98	3		66	134	20
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100	2		78	127	20
	1,2,3-Trichlorobenzene	20	19.8	ug/Kg	99	5		70	137	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VW1003SBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Lab File ID: VW032340.D

Lab Sample ID: VW1003SBL01

Date Analyzed: 10/03/2025

Time Analyzed: 09:40

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1003SBS01	VW1003SBS01	VW032341.D	10/03/2025
VW1003SBSD01	VW1003SBSD01	VW032342.D	10/03/2025
WC1	Q3277-01	VW032348.D	10/03/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Lab File ID: VW032312.D

BFB Injection Date: 10/01/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:12

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

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.1
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	63.3 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 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
VSTDIC005	VSTDIC005	VW032313.D	10/01/2025	13:12
VSTDIC010	VSTDIC010	VW032314.D	10/01/2025	13:34
VSTDIC020	VSTDIC020	VW032315.D	10/01/2025	14:15
VSTDIC050	VSTDIC050	VW032316.D	10/01/2025	14:37
VSTDIC100	VSTDIC100	VW032317.D	10/01/2025	14:59
VSTDIC150	VSTDIC150	VW032318.D	10/01/2025	15:20

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VW032338.D
Instrument ID: MSVOA_W
GC Column: RXI-624 ID: 0.25 (mm)

Contract: GENV01
SDG NO.: Q3277
BFB Injection Date: 10/03/2025
BFB Injection Time: 08:39
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	51.9
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	64
175	5.0 - 9.0% of mass 174	5.2 (8.2) 1
176	95.0 - 101.0% of mass 174	60.8 (95.1) 1
177	5.0 - 9.0% of mass 176	4.2 (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	VW032339.D	10/03/2025	09:13
VW1003SBL01	VW1003SBL01	VW032340.D	10/03/2025	09:40
VW1003SBS01	VW1003SBS01	VW032341.D	10/03/2025	10:09
VW1003SBSD01	VW1003SBSD01	VW032342.D	10/03/2025	10:31
WC1	Q3277-01	VW032348.D	10/03/2025	13:00

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q3277
 Lab File ID: VW032339.D Date Analyzed: 10/03/2025
 Instrument ID: MSVOA_W Time Analyzed: 09:13
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	275706	7.96	492762	8.85	456443	11.63
UPPER LIMIT	551412	8.459	985524	9.349	912886	12.129
LOWER LIMIT	137853	7.459	246381	8.349	228222	11.129
EPA SAMPLE NO.						
WC1	196016	7.97	428903	8.86	434848	11.64
VW1003SBL01	187187	7.97	423770	8.85	435697	11.64
VW1003SBS01	278007	7.96	517265	8.85	472342	11.63
VW1003SBSD01	280986	7.96	514655	8.86	480184	11.64

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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3277</u>
Lab File ID:	<u>VW032339.D</u>	Date Analyzed:	<u>10/03/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>09:13</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	225457	13.556				
UPPER LIMIT	450914	14.056				
LOWER LIMIT	112729	13.056				
EPA SAMPLE NO.						
WC1	211297	13.56				
VW1003SBL01	203854	13.56				
VW1003SBS01	234620	13.56				
VW1003SBSD01	244340	13.56				

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.



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	VW1003SBL01	SDG No.:	Q3277
Lab Sample ID:	VW1003SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032340.D	1	10/03/25 09:40	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Newport		Date Received:	
Client Sample ID:	VW1003SBL01		SDG No.:	Q3277
Lab Sample ID:	VW1003SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032340.D	1	10/03/25 09:40	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.5		63 - 155	125%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	53.6		74 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		17 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	7.965			
540-36-3	1,4-Difluorobenzene	424000	8.849			
3114-55-4	Chlorobenzene-d5	436000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	204000	13.556			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Newport		Date Received:	
Client Sample ID:	VW1003SBL01		SDG No.:	Q3277
Lab Sample ID:	VW1003SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032340.D	1	10/03/25 09:40	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Newport		Date Received:	
Client Sample ID:	VW1003SBS01		SDG No.:	Q3277
Lab Sample ID:	VW1003SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032341.D	1	10/03/25 10:09	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.5		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.5		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	21.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	VW1003SBS01	SDG No.:	Q3277
Lab Sample ID:	VW1003SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032341.D	1	10/03/25 10:09	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.6		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.82	5.00	ug/Kg
100-42-5	Styrene	21.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.6		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.6		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	51.3		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.959			
540-36-3	1,4-Difluorobenzene	517000	8.849			
3114-55-4	Chlorobenzene-d5	472000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	235000	13.556			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	VW1003SBS01	SDG No.:	Q3277
Lab Sample ID:	VW1003SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032341.D	1	10/03/25 10:09	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	VW1003SBSD01	SDG No.:	Q3277
Lab Sample ID:	VW1003SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032342.D	1	10/03/25 10:31	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.9		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.4		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.9		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.1		0.91	5.00	ug/Kg
71-43-2	Benzene	21.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	21.4		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Newport		Date Received:	
Client Sample ID:	VW1003SBSD01		SDG No.:	Q3277
Lab Sample ID:	VW1003SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032342.D	1	10/03/25 10:31	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.2		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.1		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.82	5.00	ug/Kg
100-42-5	Styrene	21.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.9		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	53.0		74 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		17 - 146	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	7.959			
540-36-3	1,4-Difluorobenzene	515000	8.855			
3114-55-4	Chlorobenzene-d5	480000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	244000	13.556			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Newport		Date Received:	
Client Sample ID:	VW1003SBSD01		SDG No.:	Q3277
Lab Sample ID:	VW1003SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032342.D	1	10/03/25 10:31	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG No.: Q3277

Instrument ID: MSVOA_W

Calibration Date(s): 10/01/2025 10/01/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 13:12 15:20

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

LAB FILE ID:		RRF005 = VW032313.D		RRF010 = VW032314.D		RRF020 = VW032315.D		RRF050 = VW032316.D		RRF100 = VW032317.D		RRF150 = VW032318.D	
COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD				
Dichlorodifluoromethane		0.347	0.343	0.345	0.264	0.284	0.299	0.314	11.5				
Chloromethane		0.532	0.527	0.516	0.418	0.450	0.463	0.484	9.7				
Vinyl Chloride		0.625	0.636	0.606	0.529	0.533	0.538	0.578	8.6				
Bromomethane		0.483	0.472	0.435	0.382	0.391	0.386	0.425	10.6				
Chloroethane		0.405	0.409	0.394	0.356	0.365	0.361	0.382	6.3				
Trichlorofluoromethane		0.426	0.453	0.430	0.418	0.422	0.447	0.433	3.3				
1,1,2-Trichlorotrifluoroethane		0.609	0.569	0.524	0.465	0.469	0.478	0.519	11.5				
1,1-Dichloroethene		0.588	0.608	0.595	0.521	0.534	0.535	0.564	6.7				
Acetone		0.235	0.230	0.209	0.183	0.174	0.181	0.202	13.1				
Carbon Disulfide		1.581	1.583	1.581	1.442	1.517	1.521	1.538	3.7				
Methyl tert-butyl Ether		1.087	1.161	1.150	1.069	1.094	1.099	1.110	3.3				
Methyl Acetate		0.478	0.597	0.612	0.624	0.567	0.592	0.578	9.1				
Methylene Chloride		1.280	1.052	0.811	0.631	0.630	0.625	0.838	32.6				
trans-1,2-Dichloroethene		0.649	0.640	0.636	0.589	0.613	0.617	0.624	3.6				
1,1-Dichloroethane		1.238	1.261	1.244	1.132	1.169	1.172	1.203	4.3				
Cyclohexane		1.228	1.108	1.042	0.911	0.931	0.939	1.027	12.1				
2-Butanone		0.271	0.293	0.286	0.262	0.262	0.277	0.275	4.6				
Carbon Tetrachloride		0.446	0.441	0.427	0.403	0.434	0.429	0.430	3.5				
cis-1,2-Dichloroethene		0.768	0.763	0.766	0.716	0.740	0.744	0.749	2.7				
Bromochloromethane		0.566	0.588	0.583	0.547	0.553	0.557	0.566	2.9				
Chloroform		1.257	1.275	1.271	1.146	1.191	1.178	1.220	4.5				
1,1,1-Trichloroethane		0.906	0.910	0.896	0.816	0.835	0.822	0.864	5.1				
Methylcyclohexane		0.585	0.542	0.529	0.521	0.568	0.561	0.551	4.5				
Benzene		1.518	1.494	1.440	1.345	1.424	1.373	1.432	4.7				
1,2-Dichloroethane		0.487	0.497	0.472	0.442	0.461	0.453	0.469	4.4				
Trichloroethene		0.354	0.348	0.330	0.312	0.339	0.329	0.335	4.5				
1,2-Dichloropropane		0.370	0.371	0.363	0.341	0.355	0.346	0.358	3.4				
Bromodichloromethane		0.507	0.517	0.500	0.480	0.513	0.500	0.503	2.6				
4-Methyl-2-Pentanone		0.289	0.325	0.318	0.312	0.314	0.317	0.313	3.9				
Toluene		0.909	0.905	0.897	0.857	0.908	0.876	0.892	2.4				

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>GENV01</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3277</u>
Instrument ID: <u>MSVOA_W</u>	Calibration Date(s): <u>10/01/2025</u> <u>10/01/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>13:12</u> <u>15:20</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID: RRF005 = VW032313.D RRF010 = VW032314.D RRF020 = VW032315.D RRF050 = VW032316.D RRF100 = VW032317.D RRF150 = VW032318.D								
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.451	0.482	0.469	0.478	0.525	0.523	0.488	6.1
cis-1,3-Dichloropropene	0.531	0.571	0.550	0.544	0.591	0.584	0.562	4.2
1,1,2-Trichloroethane	0.304	0.307	0.295	0.280	0.293	0.285	0.294	3.6
2-Hexanone	0.202	0.225	0.226	0.219	0.223	0.228	0.220	4.4
Dibromochloromethane	0.317	0.327	0.334	0.326	0.355	0.343	0.334	4
1,2-Dibromoethane	0.286	0.295	0.288	0.278	0.285	0.287	0.287	2
Tetrachloroethene	0.327	0.325	0.299	0.278	0.287	0.279	0.299	7.3
Chlorobenzene	1.159	1.140	1.109	1.028	1.094	1.070	1.100	4.3
Ethyl Benzene	1.822	1.861	1.843	1.734	1.897	1.845	1.834	3
m/p-Xylenes	0.704	0.720	0.715	0.668	0.730	0.705	0.707	3
o-Xylene	0.632	0.665	0.653	0.637	0.701	0.678	0.661	3.9
Styrene	1.090	1.143	1.199	1.124	1.186	1.186	1.155	3.7
Bromoform	0.179	0.207	0.192	0.189	0.202	0.209	0.196	6
Isopropylbenzene	3.316	3.159	3.364	3.327	3.645	3.714	3.421	6.2
1,1,2,2-Tetrachloroethane	0.867	0.867	0.851	0.808	0.833	0.869	0.849	2.9
1,3-Dichlorobenzene	1.765	1.650	1.625	1.600	1.658	1.722	1.670	3.7
1,4-Dichlorobenzene	1.839	1.673	1.700	1.548	1.661	1.597	1.670	6
1,2-Dichlorobenzene	1.541	1.549	1.557	1.402	1.467	1.540	1.509	4.1
1,2-Dibromo-3-Chloropropane	0.146	0.144	0.150	0.146	0.147	0.160	0.149	3.8
1,2,4-Trichlorobenzene	0.956	0.842	0.865	0.833	0.938	0.997	0.905	7.5
1,2,3-Trichlorobenzene	0.893	0.818	0.839	0.810	0.864	0.895	0.853	4.3
1,2-Dichloroethane-d4	0.738	0.758	0.765	0.695	0.714	0.706	0.729	4
Dibromofluoromethane	0.331	0.335	0.327	0.306	0.331	0.311	0.324	3.8
Toluene-d8	1.182	1.204	1.166	1.193	1.231	1.194	1.195	1.8
4-Bromofluorobenzene	0.472	0.449	0.436	0.448	0.459	0.446	0.452	2.8

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3277</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>10/03/2025 09:13</u>
Lab File ID:	<u>VW032339.D</u>	Init. Calib. Date(s):	<u>10/01/2025 10/01/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:12 15:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.314	0.269		-14.33	20
Chloromethane	0.484	0.432	0.1	-10.74	20
Vinyl Chloride	0.578	0.608		5.19	20
Bromomethane	0.425	0.429		0.94	20
Chloroethane	0.382	0.391		2.36	20
Trichlorofluoromethane	0.433	0.421		-2.77	20
1,1,2-Trichlorotrifluoroethane	0.519	0.538		3.66	20
1,1-Dichloroethene	0.564	0.597		5.85	20
Acetone	0.202	0.204		0.99	20
Carbon Disulfide	1.538	1.668		8.45	20
Methyl tert-butyl Ether	1.110	1.205		8.56	20
Methyl Acetate	0.578	0.511		-11.59	20
Methylene Chloride	0.838	0.766		-8.59	20
trans-1,2-Dichloroethene	0.624	0.668		7.05	20
1,1-Dichloroethane	1.203	1.257	0.1	4.49	20
Cyclohexane	1.027	1.029		0.19	20
2-Butanone	0.275	0.272		-1.09	20
Carbon Tetrachloride	0.430	0.470		9.3	20
cis-1,2-Dichloroethene	0.749	0.794		6.01	20
Bromochloromethane	0.566	0.570		0.71	20
Chloroform	1.220	1.334		9.34	20
1,1,1-Trichloroethane	0.864	0.943		9.14	20
Methylcyclohexane	0.551	0.611		10.89	20
Benzene	1.432	1.568		9.5	20
1,2-Dichloroethane	0.469	0.510		8.74	20
Trichloroethene	0.335	0.355		5.97	20
1,2-Dichloropropane	0.358	0.391		9.22	20
Bromodichloromethane	0.503	0.560		11.33	20
4-Methyl-2-Pentanone	0.313	0.340		8.63	20
Toluene	0.892	0.993		11.32	20
t-1,3-Dichloropropene	0.488	0.547		12.09	20
cis-1,3-Dichloropropene	0.562	0.617		9.79	20
1,1,2-Trichloroethane	0.294	0.320		8.84	20
2-Hexanone	0.220	0.236		7.27	20
Dibromochloromethane	0.334	0.355		6.29	20
1,2-Dibromoethane	0.287	0.307		6.97	20
Tetrachloroethene	0.299	0.302		1	20
Chlorobenzene	1.100	1.173	0.3	6.64	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3277</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>10/03/2025 09:13</u>
Lab File ID:	<u>VW032339.D</u>	Init. Calib. Date(s):	<u>10/01/2025 10/01/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:12 15:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.834	2.040		11.23	20
m/p-Xylenes	0.707	0.787		11.31	20
o-Xylene	0.661	0.744		12.56	20
Styrene	1.155	1.279		10.74	20
Bromoform	0.196	0.204	0.1	4.08	20
Isopropylbenzene	3.421	3.711		8.48	20
1,1,2,2-Tetrachloroethane	0.849	0.873	0.3	2.83	20
1,3-Dichlorobenzene	1.670	1.791		7.25	20
1,4-Dichlorobenzene	1.670	1.667		-0.18	20
1,2-Dichlorobenzene	1.509	1.625		7.69	20
1,2-Dibromo-3-Chloropropane	0.149	0.146		-2.01	20
1,2,4-Trichlorobenzene	0.905	0.946		4.53	20
1,2,3-Trichlorobenzene	0.853	0.869		1.88	20
1,2-Dichloroethane-d4	0.729	0.718		-1.51	20
Dibromofluoromethane	0.324	0.329		1.54	20
Toluene-d8	1.195	1.239		3.68	20
4-Bromofluorobenzene	0.452	0.467		3.32	20

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



SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032348.D
 Acq On : 03 Oct 2025 13:00
 Operator : SY/MD
 Sample : Q3277-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC1

Quant Time: Oct 04 05:02:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

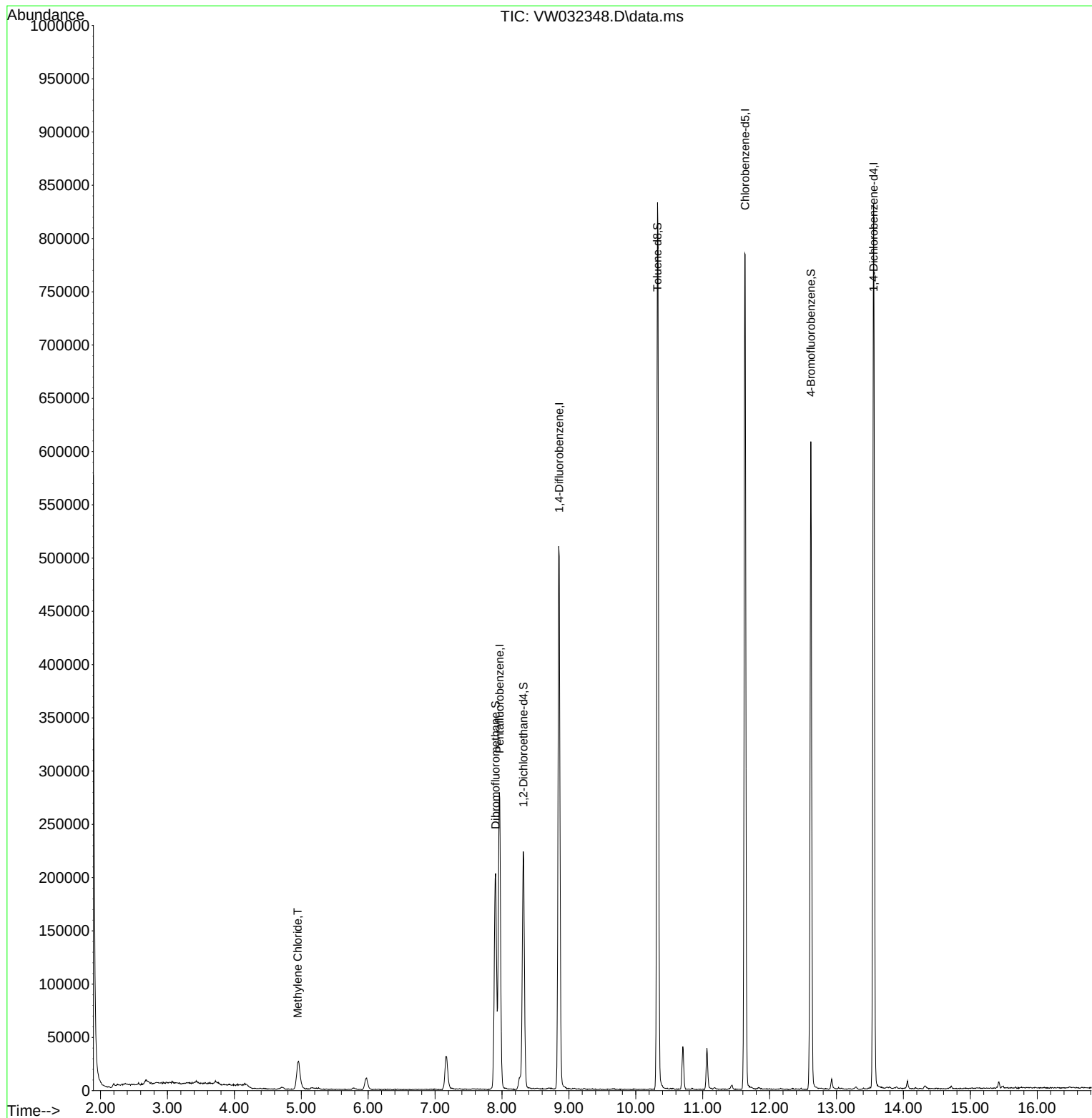
Internal Standards						
1) Pentafluorobenzene	7.965	168	196016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	428903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	434848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	211297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	183925	64.332	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	128.660%	
35) Dibromofluoromethane	7.904	113	154238	55.529	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	111.060%	
50) Toluene-d8	10.325	98	553678	54.009	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	108.020%	
62) 4-Bromofluorobenzene	12.617	95	207893	53.653	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	107.300%	
Target Compounds						
20) Methylene Chloride	4.947	84	23258	3.951	ug/l	Qvalue 95

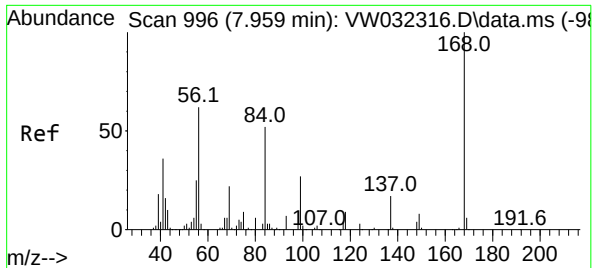
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032348.D
Acq On : 03 Oct 2025 13:00
Operator : SY/MD
Sample : Q3277-01
Misc : 5.02g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Time: Oct 04 05:02:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

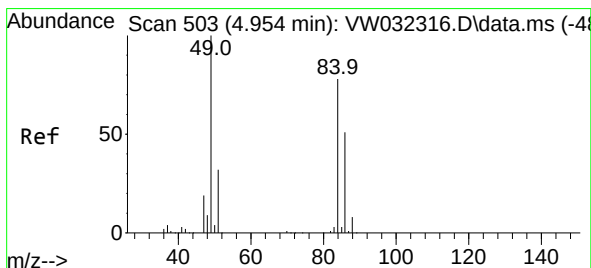
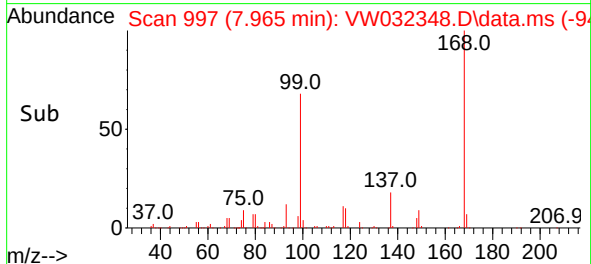
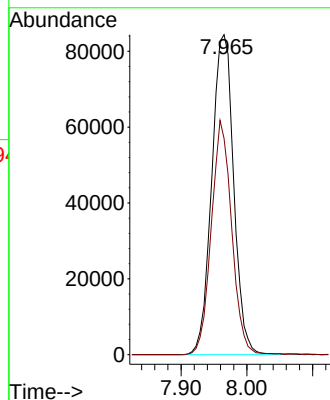
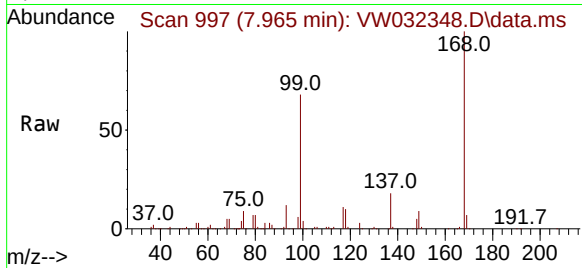




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

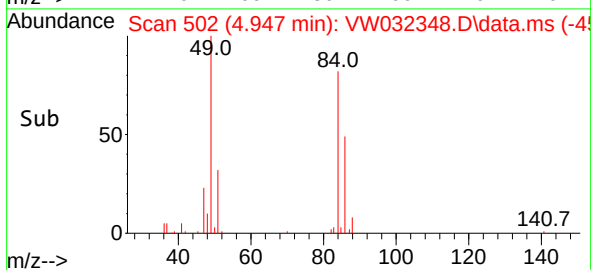
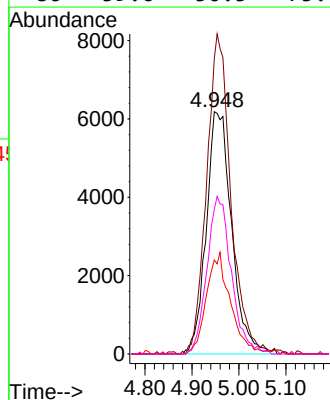
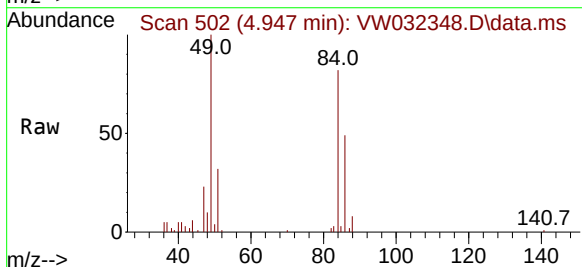
Instrument :
MSVOA_W
ClientSampleId :
WC1

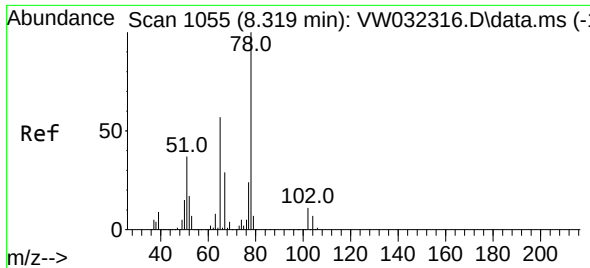
Tgt Ion:168 Resp: 196016
Ion Ratio Lower Upper
168 100
99 67.6 49.3 73.9



#20
Methylene Chloride
Concen: 3.951 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.013 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Tgt Ion: 84 Resp: 23258
Ion Ratio Lower Upper
84 100
49 121.9 92.2 138.4
51 38.8 31.0 46.6
86 59.6 50.5 75.7

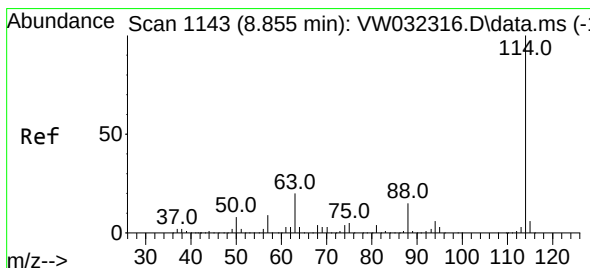
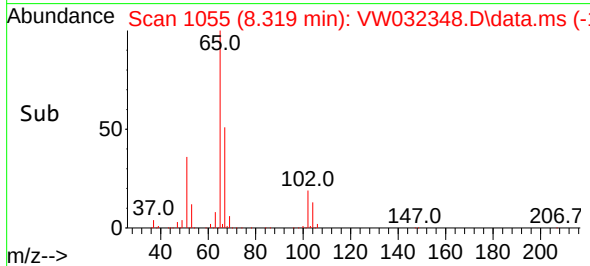
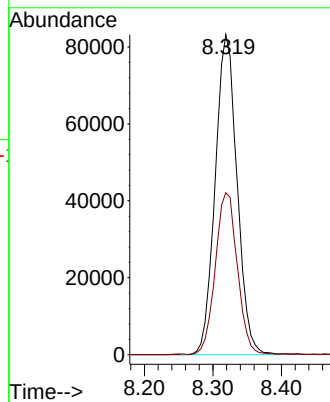
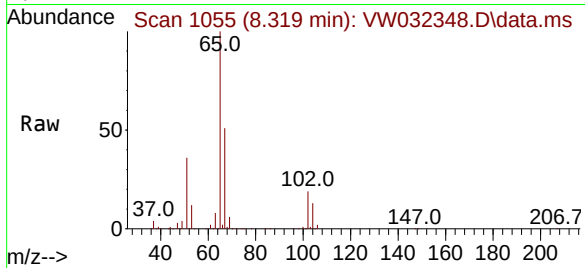




#33
1,2-Dichloroethane-d4
Concen: 64.332 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

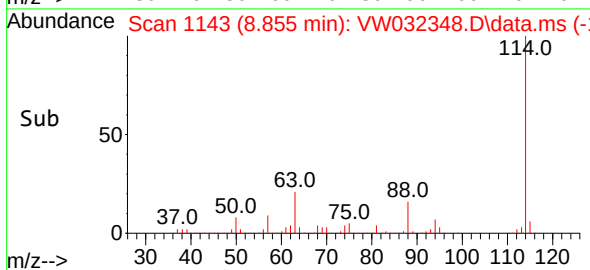
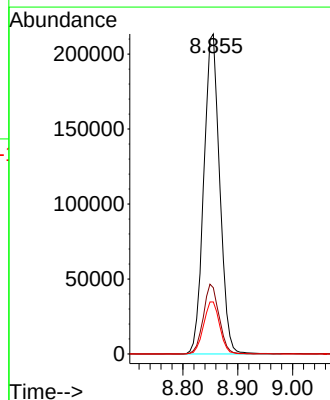
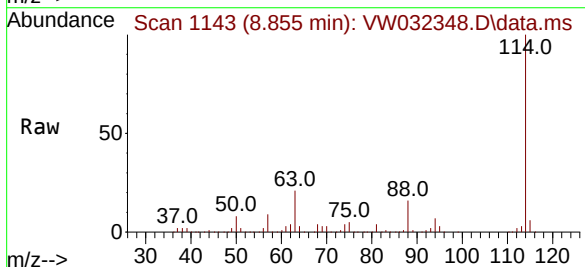
Instrument :
MSVOA_W
ClientSampleId :
WC1

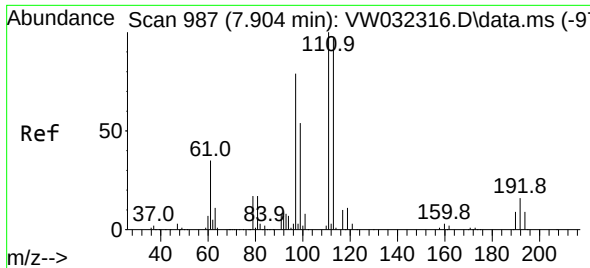
Tgt Ion: 65 Resp: 183925
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Tgt Ion: 114 Resp: 428903
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.4
88 16.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 55.529 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032348.D

Acq: 03 Oct 2025 13:00

Instrument :

MSVOA_W

ClientSampleId :

WC1

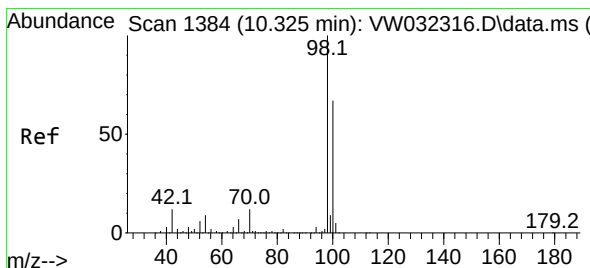
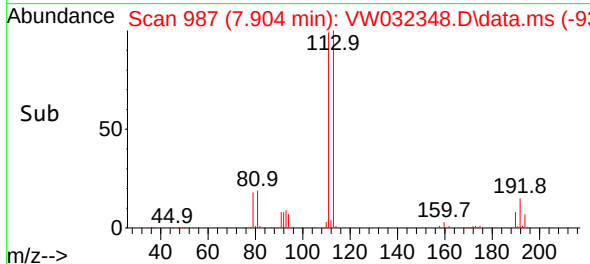
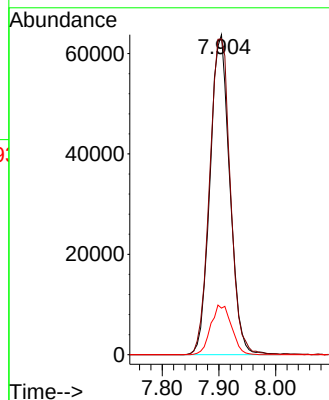
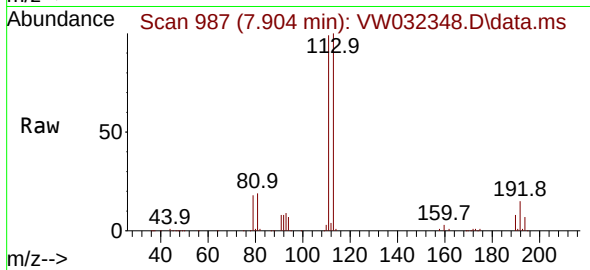
Tgt Ion:113 Resp: 154238

Ion Ratio Lower Upper

113 100

111 103.4 83.9 125.9

192 16.3 14.6 21.8



#50

Toluene-d8

Concen: 54.009 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032348.D

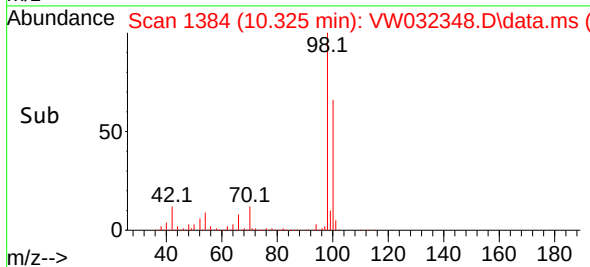
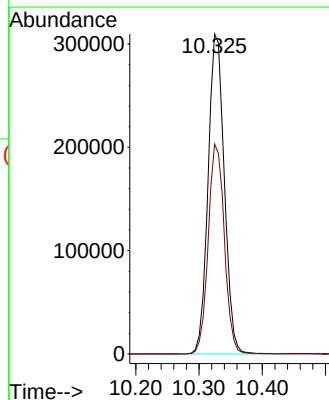
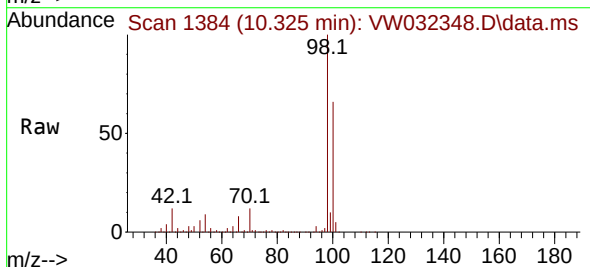
Acq: 03 Oct 2025 13:00

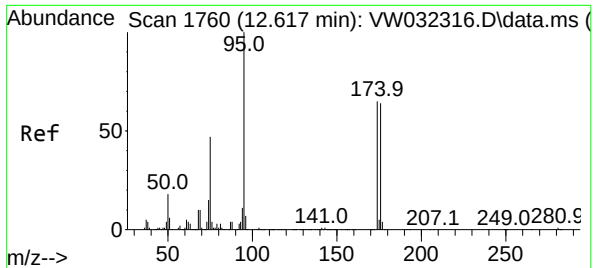
Tgt Ion: 98 Resp: 553678

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.2

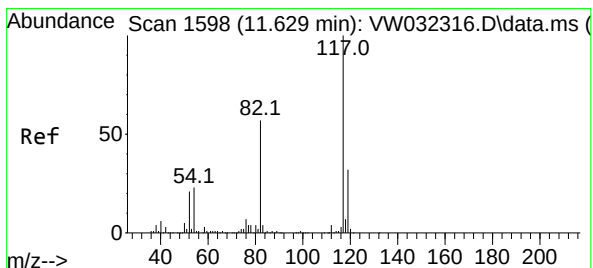
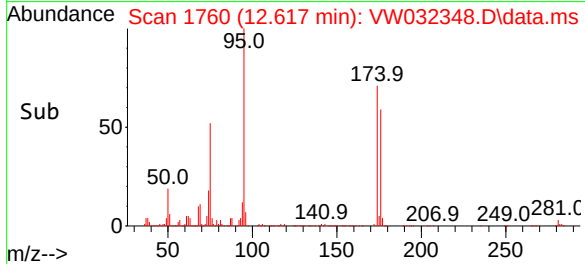
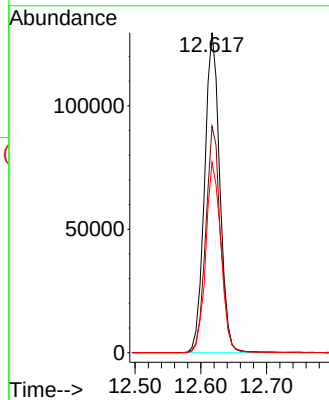
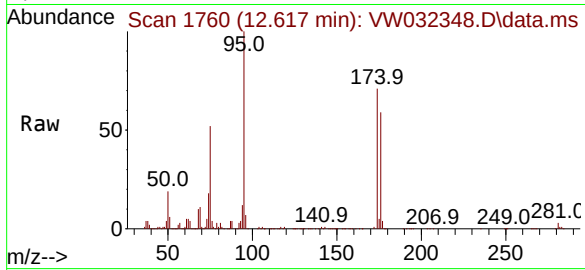




#62
4-Bromofluorobenzene
Concen: 53.653 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

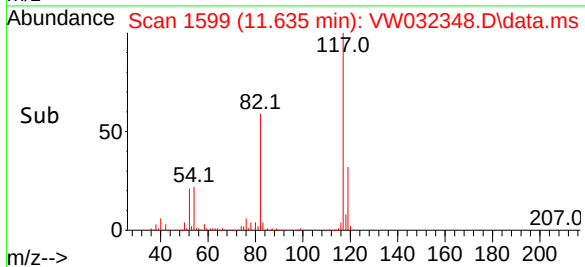
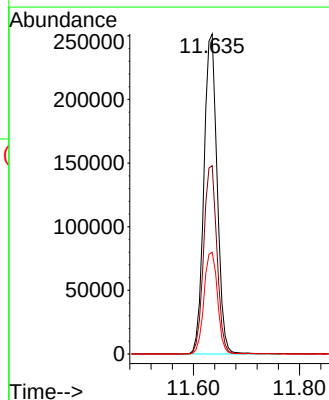
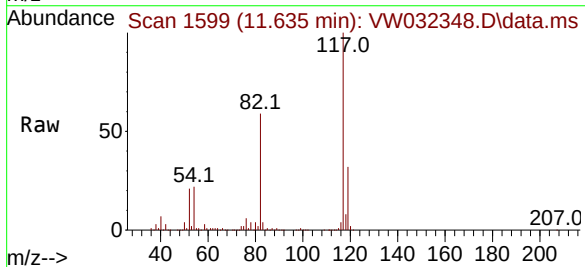
Instrument :
MSVOA_W
ClientSampleId :
WC1

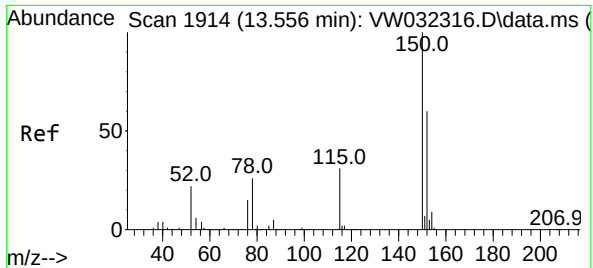
Tgt Ion: 95 Resp: 207893
Ion Ratio Lower Upper
95 100
174 69.3 0.0 145.6
176 59.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Tgt Ion: 117 Resp: 434848
Ion Ratio Lower Upper
117 100
82 58.9 42.7 64.1
119 31.7 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032348.D

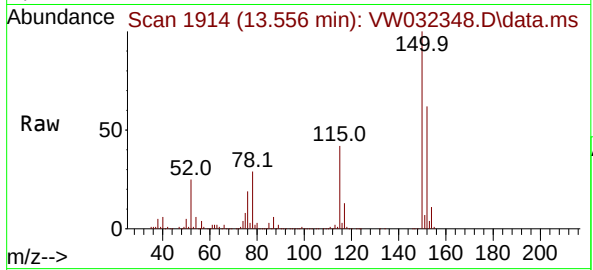
Acq: 03 Oct 2025 13:00

Instrument :

MSVOA_W

ClientSampleId :

WC1



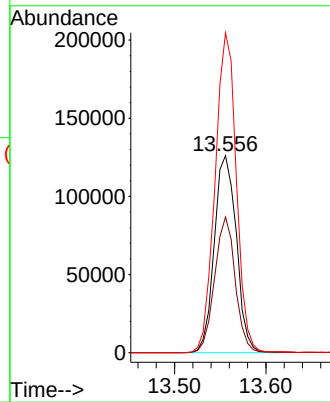
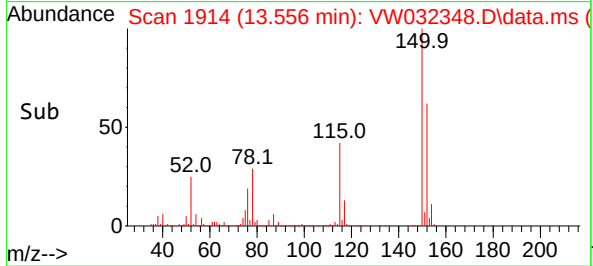
Tgt Ion:152 Resp: 211297

Ion Ratio Lower Upper

152 100

115 64.6 31.8 95.4

150 156.7 0.0 343.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032348.D
 Acq On : 03 Oct 2025 13:00
 Operator : SY/MD
 Sample : Q3277-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC1

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_W\Method\82W100125S.M

Title : SW846 8260

Signal : TIC: VW032348.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	490	504	522	rBV3	26296	99443	6.63%	1.192%
2	5.978	659	671	685	rBV3	11195	37400	2.49%	0.448%
3	7.167	856	866	878	rBV	31193	96941	6.46%	1.162%
4	7.904	973	987	991	rBV	202577	495509	33.04%	5.939%
5	7.959	991	996	1010	rVB	278108	641948	42.80%	7.694%
6	8.319	1038	1055	1067	rBV	223366	532138	35.48%	6.378%
7	8.849	1133	1142	1155	rBV	509194	1034978	69.00%	12.405%
8	10.325	1376	1384	1403	rBV	832834	1499899	100.00%	17.977%
9	10.703	1438	1446	1453	rVB	40201	72975	4.87%	0.875%
10	11.062	1498	1505	1514	rBV3	38825	67626	4.51%	0.811%
11	11.629	1589	1598	1609	rBV	784870	1384532	92.31%	16.595%
12	12.617	1752	1760	1773	rBV	608194	1009366	67.30%	12.098%
13	12.928	1806	1811	1820	rBV6	9150	15253	1.02%	0.183%
14	13.556	1907	1914	1926	rBV	829807	1355257	90.36%	16.244%

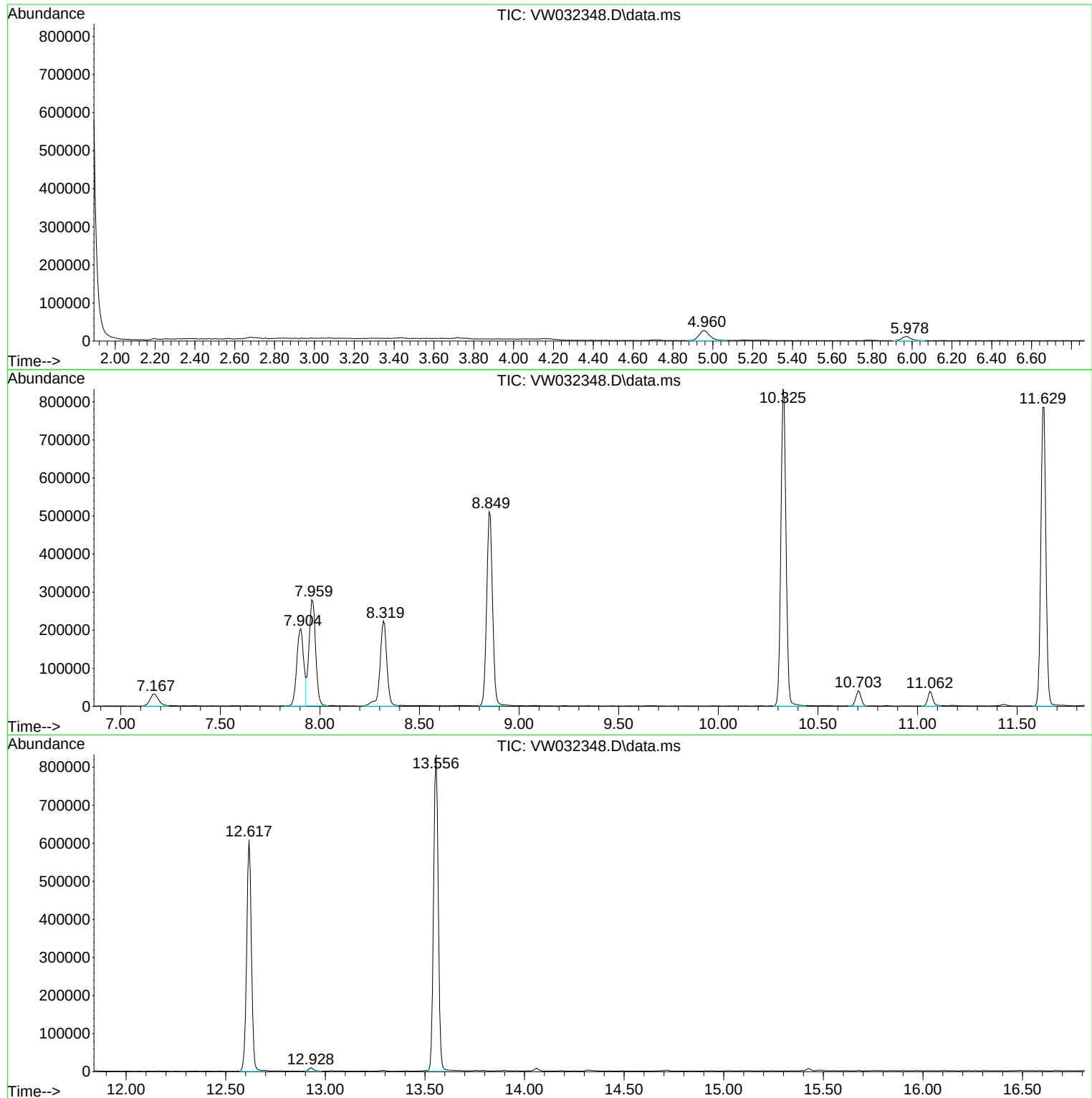
Sum of corrected areas: 8343265

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032348.D
Acq On : 03 Oct 2025 13:00
Operator : SY/MD
Sample : Q3277-01
Misc : 5.02g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032348.D
Acq On : 03 Oct 2025 13:00
Operator : SY/MD
Sample : Q3277-01
Misc : 5.02g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032348.D
Acq On : 03 Oct 2025 13:00
Operator : SY/MD
Sample : Q3277-01
Misc : 5.02g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032340.D
 Acq On : 03 Oct 2025 09:40
 Operator : SY/MD
 Sample : VW1003SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBL01

Quant Time: Oct 04 04:57:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	187187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	423770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	435697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	203854	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	170547	62.466	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 124.940%	
35) Dibromofluoromethane	7.898	113	146507	53.384	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 106.760%	
50) Toluene-d8	10.325	98	542522	53.562	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 107.120%	
62) 4-Bromofluorobenzene	12.617	95	194781	50.878	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 101.760%	

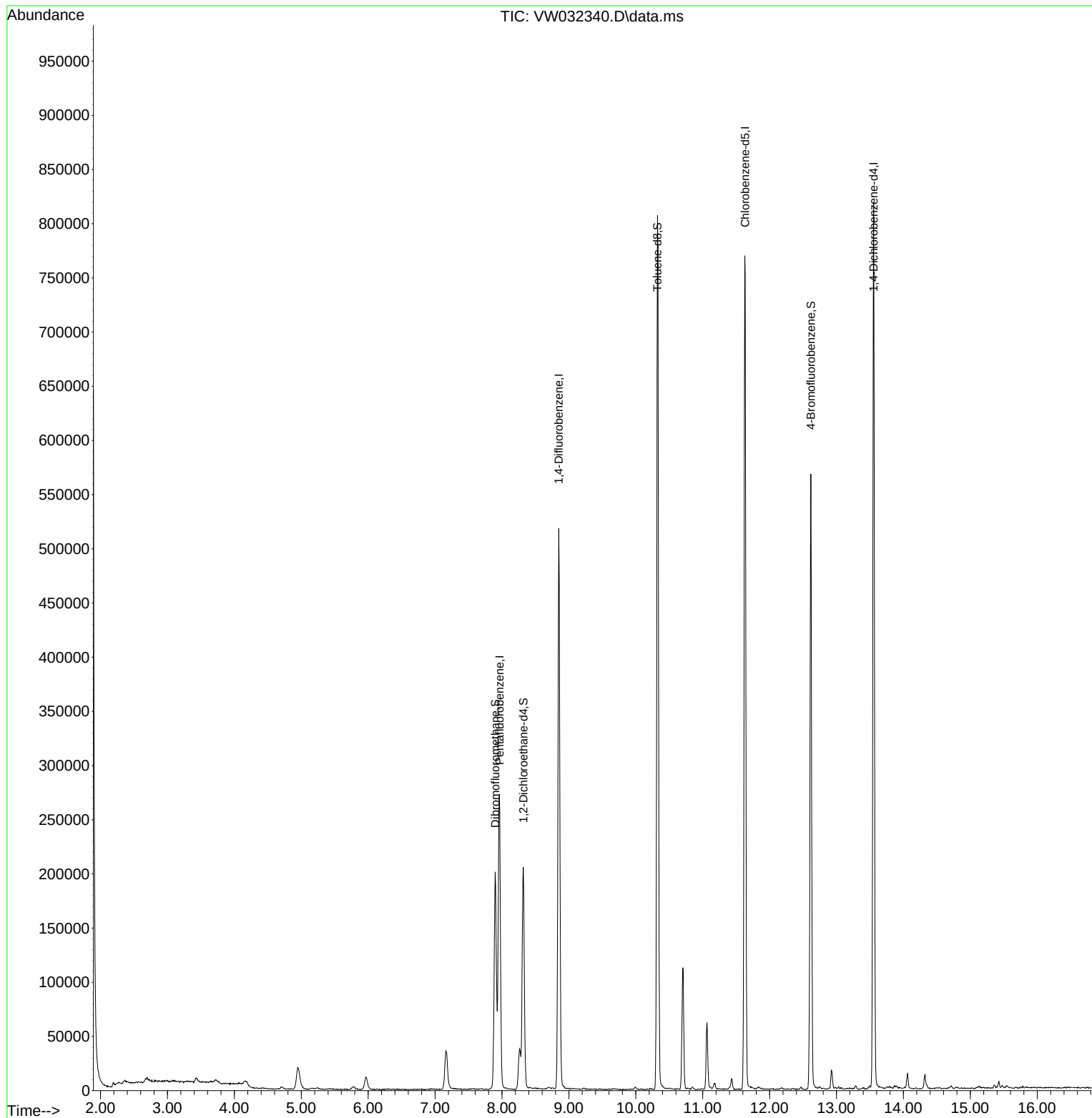
Target Compounds	Qvalue

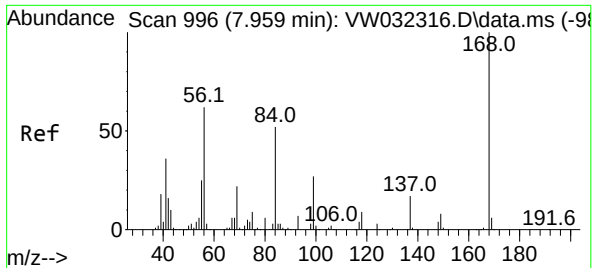
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032340.D
Acq On : 03 Oct 2025 09:40
Operator : SY/MD
Sample : VW1003SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

Quant Time: Oct 04 04:57:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

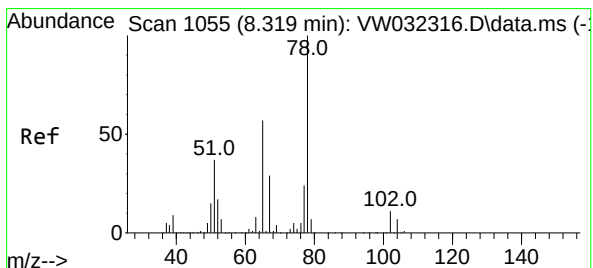
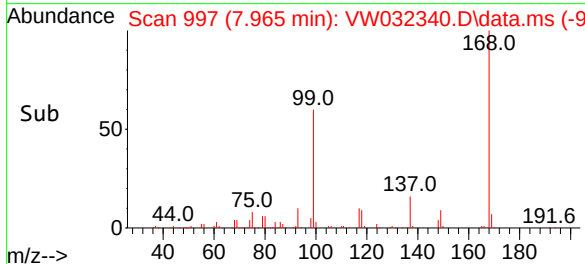
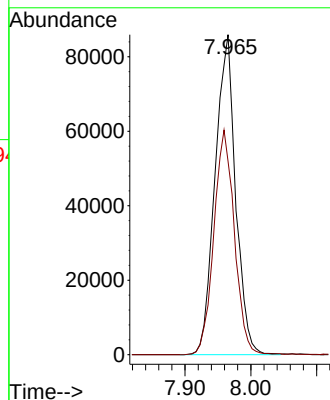
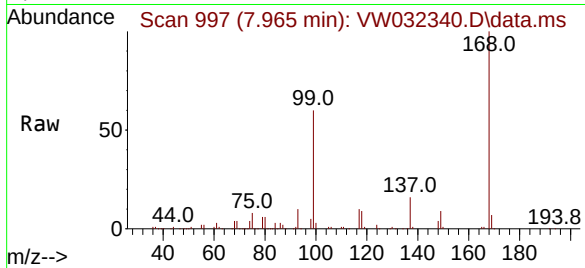




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

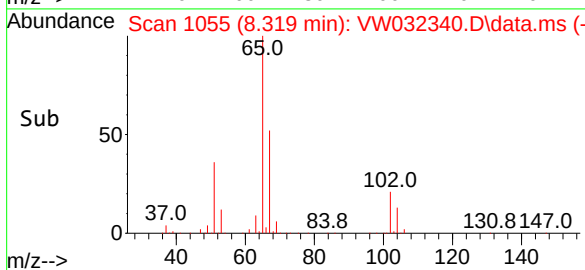
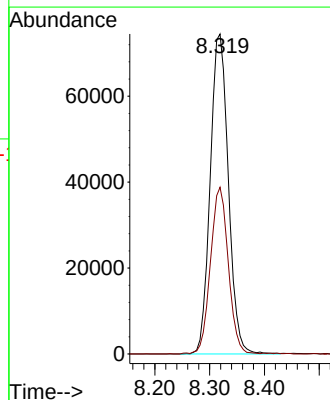
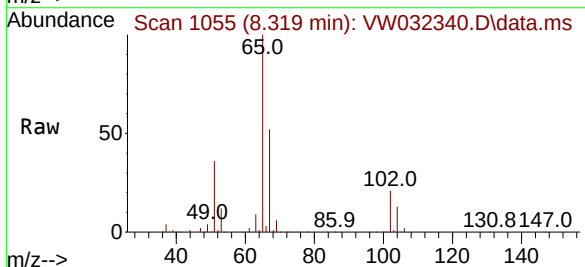
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

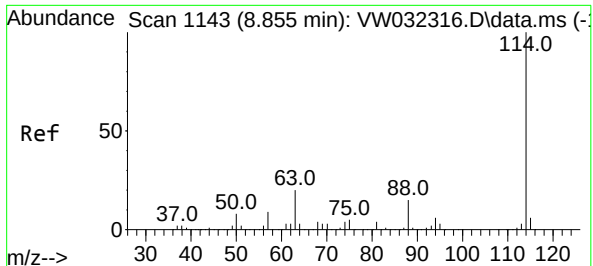
Tgt Ion:168 Resp: 187187
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 62.466 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

Tgt Ion: 65 Resp: 170547
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.6

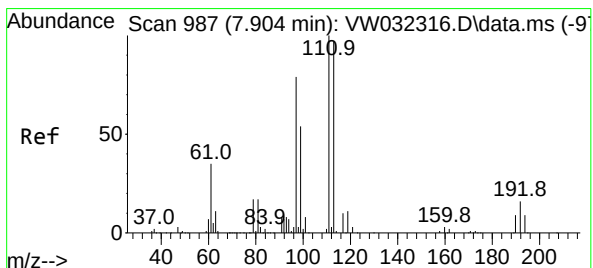
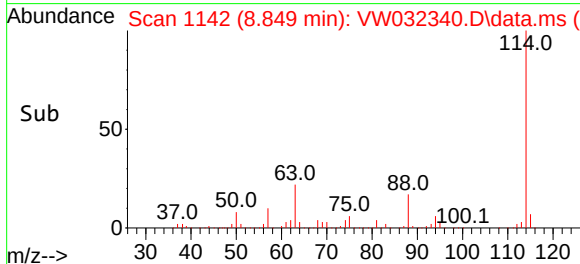
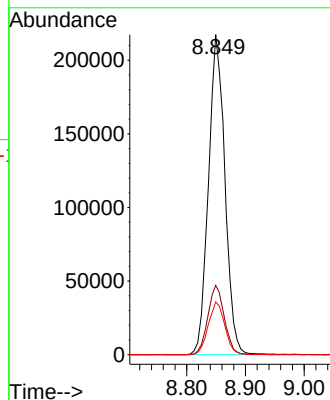
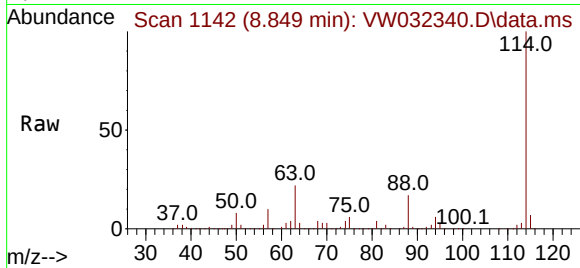




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

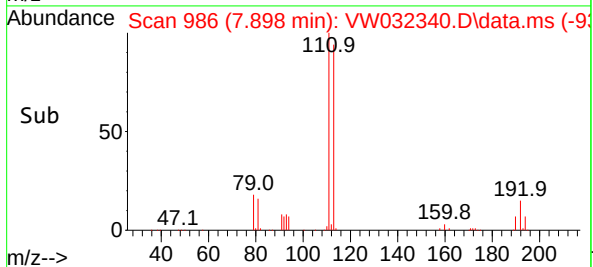
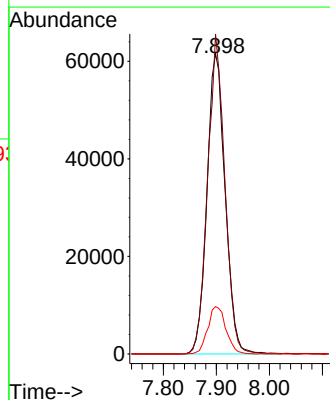
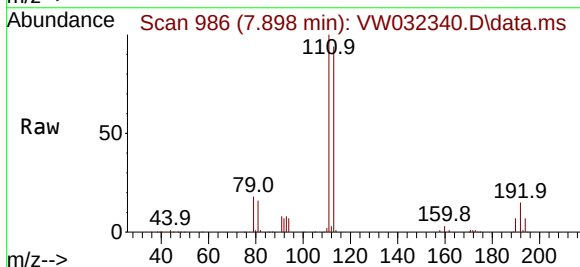
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

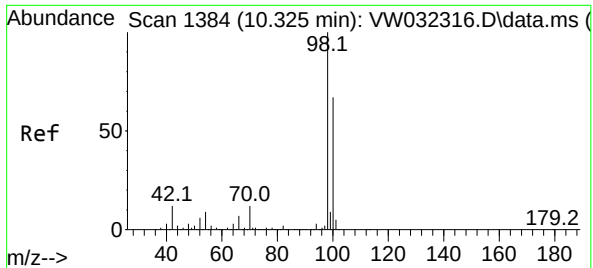
Tgt Ion:114 Resp: 423770
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.4
88 16.5 0.0 32.0



#35
Dibromofluoromethane
Concen: 53.384 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

Tgt Ion:113 Resp: 146507
Ion Ratio Lower Upper
113 100
111 100.9 83.9 125.9
192 15.8 14.6 21.8

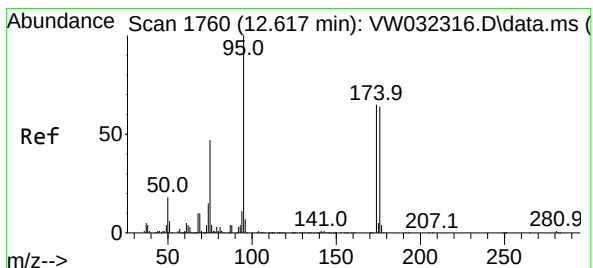
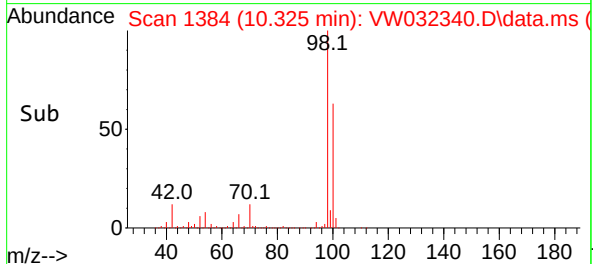
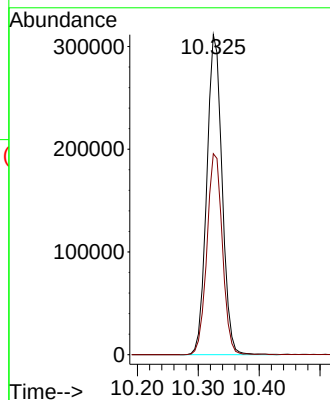
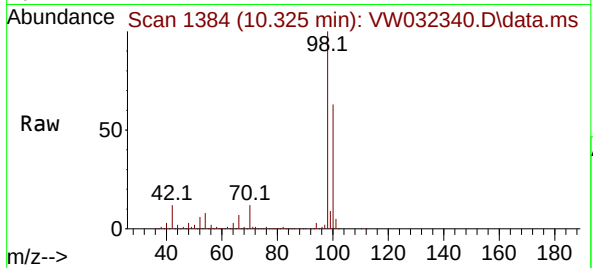




#50
Toluene-d8
Concen: 53.562 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

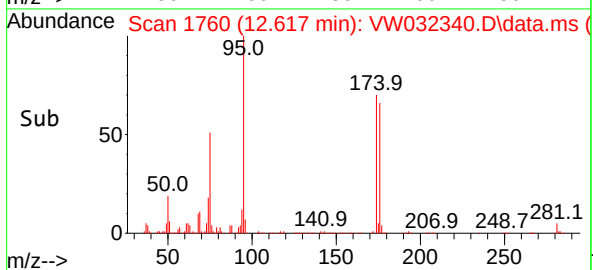
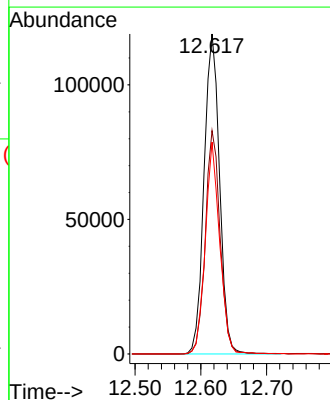
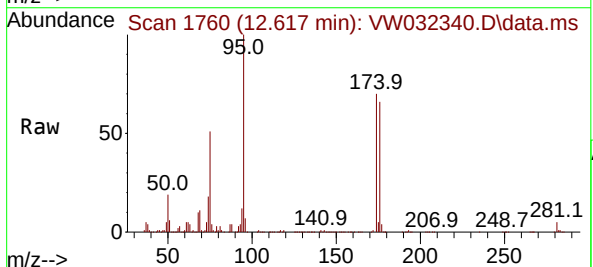
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

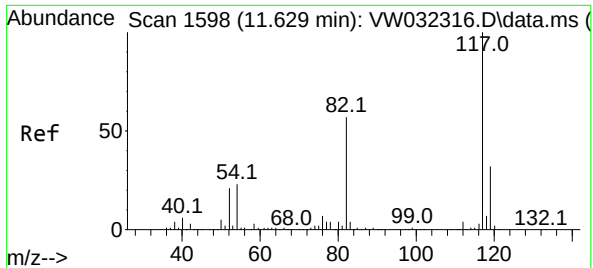
Tgt Ion: 98 Resp: 542522
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 50.878 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

Tgt Ion: 95 Resp: 194781
Ion Ratio Lower Upper
95 100
174 66.8 0.0 145.6
176 62.1 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032340.D

Acq: 03 Oct 2025 09:40

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBL01

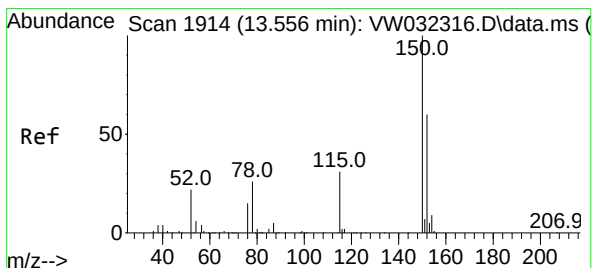
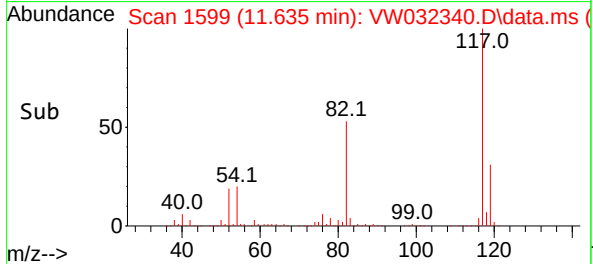
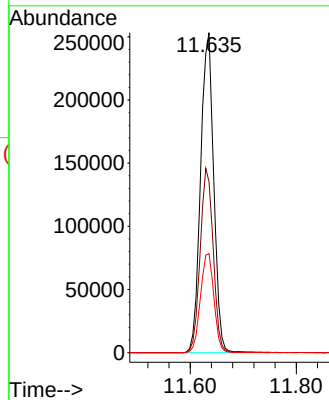
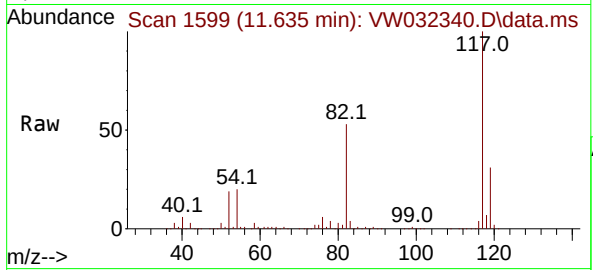
Tgt Ion:117 Resp: 435697

Ion Ratio Lower Upper

117 100

82 53.4 42.7 64.1

119 31.0 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032340.D

Acq: 03 Oct 2025 09:40

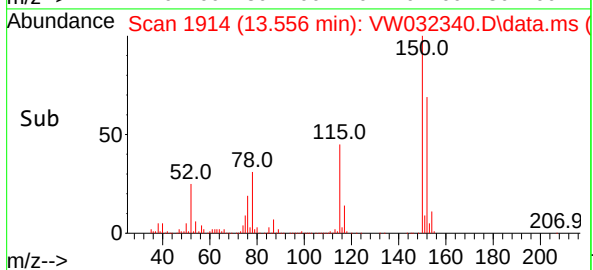
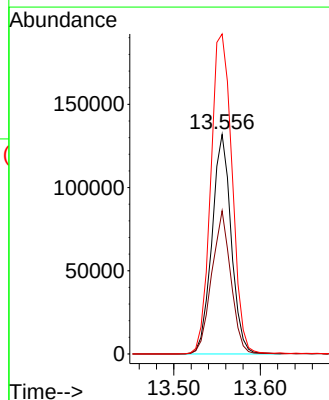
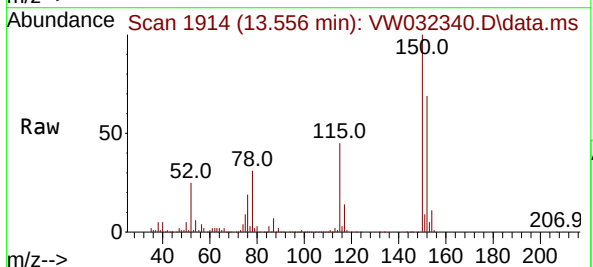
Tgt Ion:152 Resp: 203854

Ion Ratio Lower Upper

152 100

115 64.6 31.8 95.4

150 161.3 0.0 343.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032340.D
 Acq On : 03 Oct 2025 09:40
 Operator : SY/MD
 Sample : VW1003SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBL01

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_W\Method\82W100125S.M

Title : SW846 8260

Signal : TIC: VW032340.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.948	489	502	524	rBV3	20280	78519	5.47%	0.937%
2	5.966	658	669	681	rBV3	11421	36143	2.52%	0.431%
3	7.161	855	865	881	rBV	35436	108912	7.58%	1.300%
4	7.898	975	986	991	rBV2	199721	472229	32.87%	5.638%
5	7.959	991	996	1010	rVB2	271348	619083	43.09%	7.391%
6	8.264	1034	1046	1049	rBV2	37517	91593	6.38%	1.093%
7	8.319	1049	1055	1067	rVB	204070	462855	32.22%	5.526%
8	8.849	1131	1142	1154	rBV	517098	1022545	71.17%	12.207%
9	10.325	1376	1384	1396	rBV	806425	1436666	100.00%	17.151%
10	10.703	1439	1446	1455	rBV	112273	210373	14.64%	2.511%
11	11.062	1497	1505	1517	rBV2	61458	110990	7.73%	1.325%
12	11.434	1555	1566	1572	rVB3	9749	20326	1.41%	0.243%
13	11.629	1591	1598	1610	rBV	769097	1359077	94.60%	16.225%
14	12.617	1751	1760	1771	rBV	567305	951505	66.23%	11.359%
15	12.922	1806	1810	1817	rBV3	16654	28373	1.97%	0.339%
16	13.556	1907	1914	1928	rVB	816283	1318109	91.75%	15.736%
17	14.062	1991	1997	2005	rVB	13272	21913	1.53%	0.262%
18	14.324	2031	2040	2048	rBV2	13118	27330	1.90%	0.326%

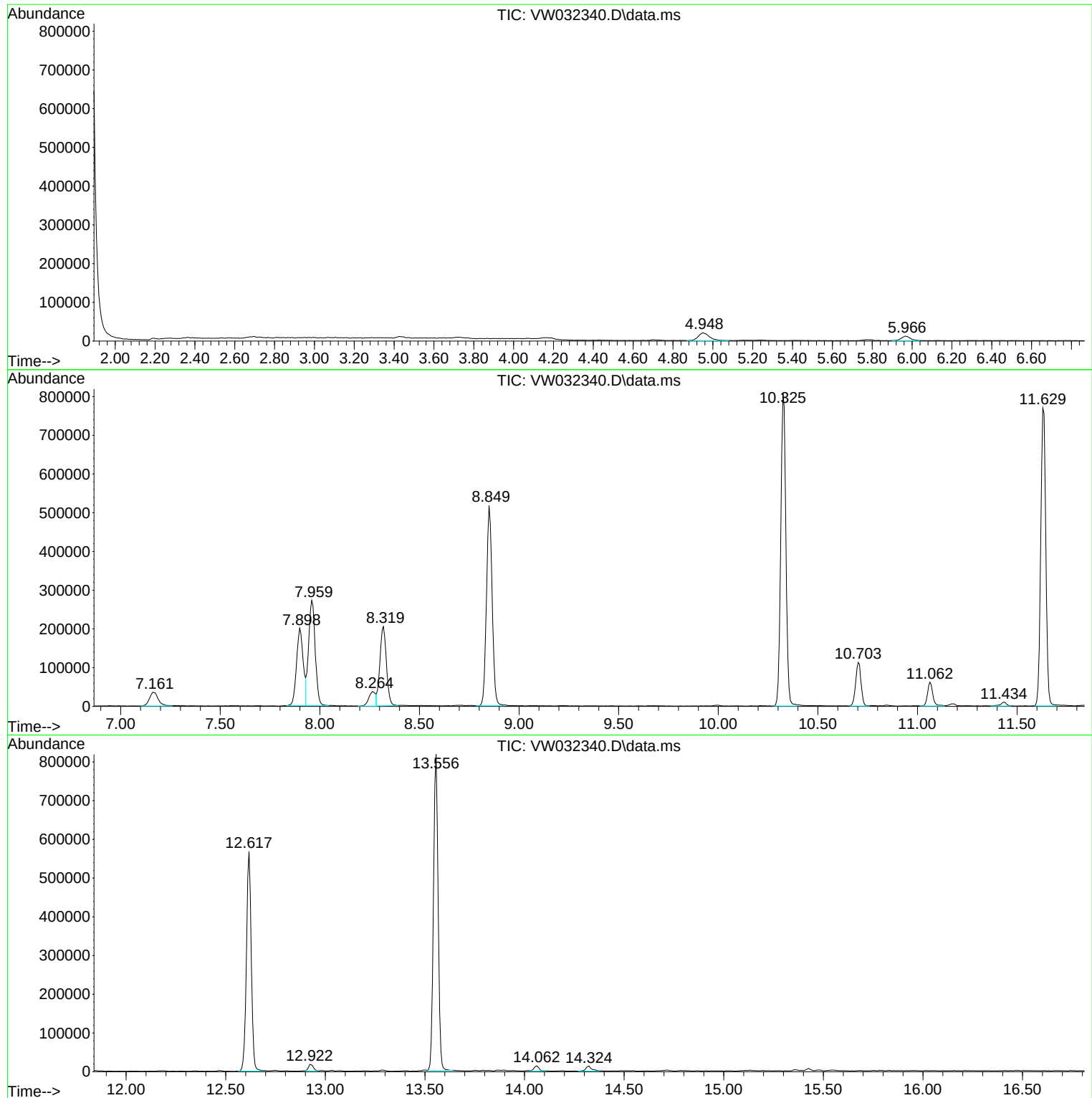
Sum of corrected areas: 8376541

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032340.D
Acq On : 03 Oct 2025 09:40
Operator : SY/MD
Sample : VW1003SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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



A
B
C
D
E
F
G
H
I
J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032340.D
Acq On : 03 Oct 2025 09:40
Operator : SY/MD
Sample : VW1003SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032340.D
Acq On : 03 Oct 2025 09:40
Operator : SY/MD
Sample : VW1003SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032341.D
 Acq On : 03 Oct 2025 10:09
 Operator : SY/MD
 Sample : VW1003SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:58:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	278007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	517265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	472342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234620	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	205163	50.596	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 101.200%	
35) Dibromofluoromethane	7.898	113	166286	49.640	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 99.280%	
50) Toluene-d8	10.325	98	634254	51.300	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 102.600%	
62) 4-Bromofluorobenzene	12.617	95	233622	49.994	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 99.980%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	35922	20.591	ug/l	98
3) Chloromethane	2.253	50	52234	19.405	ug/l	96
4) Vinyl Chloride	2.405	62	70667	21.989	ug/l	98
5) Bromomethane	2.820	94	49316	20.882	ug/l	96
6) Chloroethane	2.960	64	44151	20.809	ug/l	100
7) Trichlorofluoromethane	3.301	101	48248	20.052	ug/l	90
8) Diethyl Ether	3.716	74	46088	22.104	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.106	101	59577	20.643	ug/l	94
10) Methyl Iodide	4.307	142	91242	22.157	ug/l	97
11) Tert butyl alcohol	5.210	59	35075	114.277	ug/l #	93
12) 1,1-Dichloroethene	4.076	96	67361	21.499	ug/l	97
13) Acrolein	3.923	56	58061	116.558	ug/l	98
14) Allyl chloride	4.698	41	112481	21.255	ug/l	90
15) Acrylonitrile	5.405	53	109612	101.052	ug/l	100
16) Acetone	4.155	43	121446	108.166	ug/l	96
17) Carbon Disulfide	4.417	76	182974	21.403	ug/l	97
18) Methyl Acetate	4.704	43	59609	18.533	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	129887	21.048	ug/l	97
20) Methylene Chloride	4.947	84	97249	23.311	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	72569	20.920	ug/l	97
22) Diisopropyl ether	6.338	45	233975	21.259	ug/l	97
23) Vinyl Acetate	6.283	43	771189	104.905	ug/l	99
24) 1,1-Dichloroethane	6.240	63	138771	20.754	ug/l	98
25) 2-Butanone	7.191	43	157617	103.074	ug/l	97
26) 2,2-Dichloropropane	7.185	77	76859	22.472	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	85248	20.456	ug/l	92
28) Bromochloromethane	7.526	49	63803	20.281	ug/l	86
29) Tetrahydrofuran	7.551	42	96869	100.733	ug/l	94
30) Chloroform	7.691	83	145892	21.514	ug/l	99
31) Cyclohexane	7.965	56	116831	20.467	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	103931	21.628	ug/l	98
36) 1,1-Dichloropropene	8.093	75	99053	20.952	ug/l	97
37) Ethyl Acetate	7.270	43	64082	20.364	ug/l	99
38) Carbon Tetrachloride	8.081	117	92784	20.856	ug/l	96
39) Methylcyclohexane	9.343	83	115670	20.284	ug/l	95
40) Benzene	8.337	78	306473	20.682	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032341.D
 Acq On : 03 Oct 2025 10:09
 Operator : SY/MD
 Sample : VW1003SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:58:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	35690	21.045	ug/l	90
42) 1,2-Dichloroethane	8.410	62	101080	20.847	ug/l	100
43) Isopropyl Acetate	8.435	43	113745	20.376	ug/l	98
44) Trichloroethene	9.099	130	72667	20.943	ug/l	94
45) 1,2-Dichloropropane	9.374	63	75772	20.486	ug/l	100
46) Dibromomethane	9.465	93	47749	20.994	ug/l	95
47) Bromodichloromethane	9.648	83	107339	20.633	ug/l	95
48) Methyl methacrylate	9.441	41	53707	19.788	ug/l #	92
49) 1,4-Dioxane	9.465	88	12562	404.086	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	331203	102.436	ug/l	99
52) Toluene	10.392	92	194697	21.098	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	101504	20.112	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	118144	20.322	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	64370	21.175	ug/l	94
56) Ethyl methacrylate	10.648	69	86806	20.402	ug/l	95
57) 1,3-Dichloropropane	10.934	76	111293	20.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	217670	96.127	ug/l	95
59) 2-Hexanone	10.971	43	236063	103.519	ug/l	98
60) Dibromochloromethane	11.129	129	71272	20.649	ug/l	98
61) 1,2-Dibromoethane	11.239	107	61866	20.872	ug/l	99
64) Tetrachloroethene	10.867	164	57582	20.373	ug/l	89
65) Chlorobenzene	11.660	112	214074	20.598	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	64483	19.921	ug/l	98
67) Ethyl Benzene	11.733	91	361410	20.863	ug/l	96
68) m/p-Xylenes	11.836	106	280266	41.956	ug/l	99
69) o-Xylene	12.166	106	127250	20.370	ug/l	96
70) Styrene	12.178	104	230366	21.121	ug/l	97
71) Bromoform	12.349	173	36374	19.604	ug/l #	98
73) Isopropylbenzene	12.464	105	331358	20.643	ug/l	100
74) N-amyl acetate	12.269	43	102583	20.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	79252	19.885	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	61589m	19.948	ug/l	
77) Bromobenzene	12.745	156	79932	20.658	ug/l	92
78) n-propylbenzene	12.800	91	413445	20.620	ug/l	98
79) 2-Chlorotoluene	12.891	91	253102	20.645	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	284439	20.493	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.513	75	24636	20.214	ug/l	96
82) 4-Chlorotoluene	12.989	91	265232	20.349	ug/l	100
83) tert-Butylbenzene	13.202	119	236976	20.809	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	288657	20.453	ug/l	99
85) sec-Butylbenzene	13.379	105	355980	20.455	ug/l	98
86) p-Isopropyltoluene	13.495	119	301518	20.880	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	160629	20.501	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	164120	20.949	ug/l	95
89) n-Butylbenzene	13.818	91	286635	20.330	ug/l	98
90) Hexachloroethane	14.092	117	51546	19.915	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	147501	20.826	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	13224	18.951	ug/l	90
93) 1,2,4-Trichlorobenzene	15.123	180	86078	20.268	ug/l	98
94) Hexachlorobutadiene	15.226	225	38516	19.836	ug/l	95
95) Naphthalene	15.360	128	197775	19.391	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	83600	20.884	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032341.D
Acq On : 03 Oct 2025 10:09
Operator : SY/MD
Sample : VW1003SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:58:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

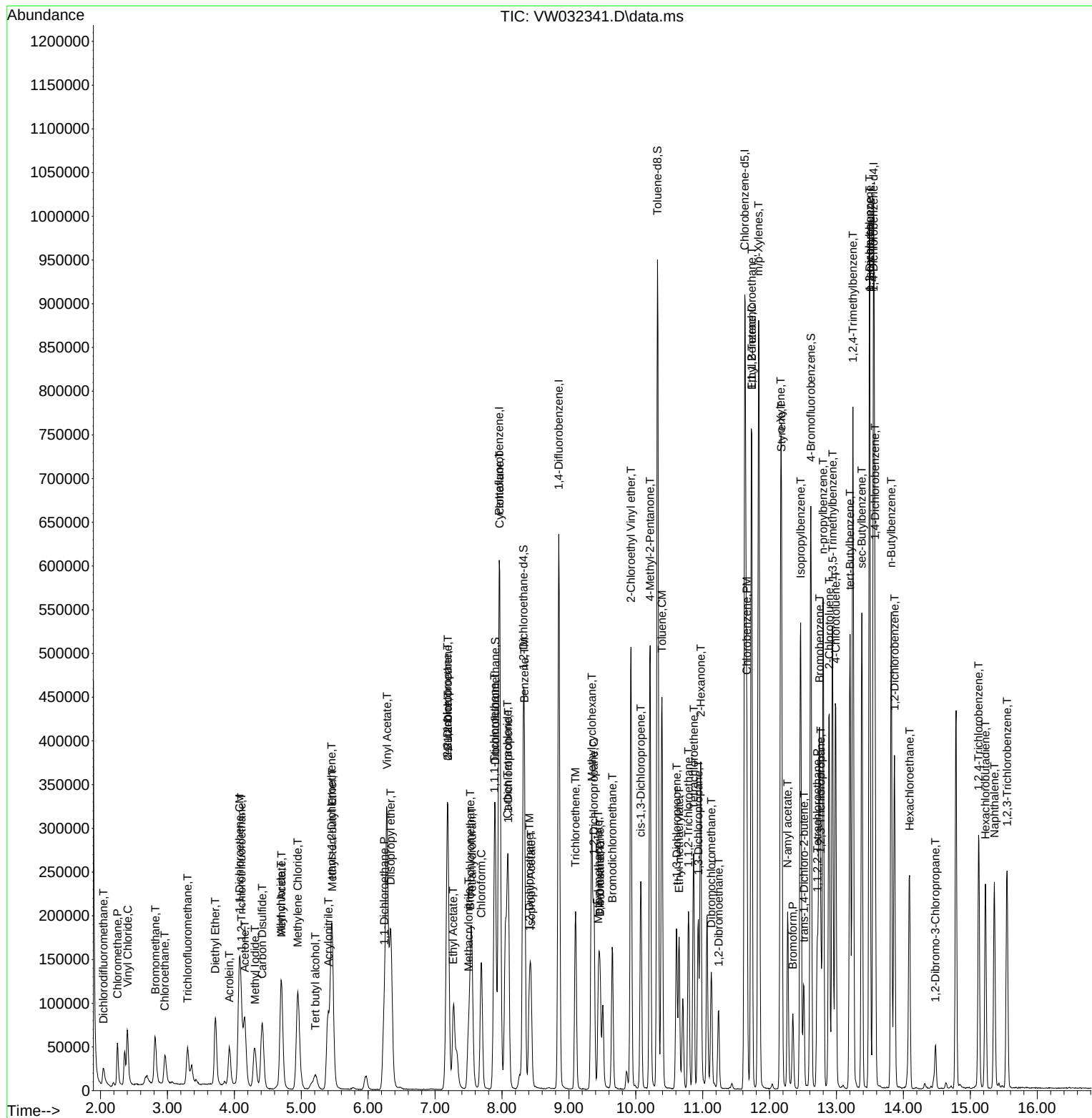
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Manual Integrations

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032342.D
 Acq On : 03 Oct 2025 10:31
 Operator : SY/MD
 Sample : VW1003SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:59:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	280986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	514655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	480184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	244340	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	209797	51.191	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 102.380%	
35) Dibromofluoromethane	7.898	113	170894	51.274	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 102.540%	
50) Toluene-d8	10.331	98	652301	53.027	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 106.060%	
62) 4-Bromofluorobenzene	12.617	95	243553	52.383	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 104.760%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	36824	20.884	ug/l	99
3) Chloromethane	2.253	50	53856	19.795	ug/l	95
4) Vinyl Chloride	2.405	62	71273	21.943	ug/l	98
5) Bromomethane	2.820	94	51510	21.580	ug/l	95
6) Chloroethane	2.966	64	45203	21.079	ug/l	96
7) Trichlorofluoromethane	3.308	101	54972	22.604	ug/l	94
8) Diethyl Ether	3.722	74	45452	21.568	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.106	101	61069	20.936	ug/l	94
10) Methyl Iodide	4.313	142	91157	21.902	ug/l	98
11) Tert butyl alcohol	5.216	59	34176	110.168	ug/l #	82
12) 1,1-Dichloroethene	4.076	96	66870	21.116	ug/l	83
13) Acrolein	3.929	56	56064	111.356	ug/l	98
14) Allyl chloride	4.704	41	115345	21.565	ug/l	89
15) Acrylonitrile	5.399	53	114281	104.239	ug/l	98
16) Acetone	4.161	43	117029	103.127	ug/l	98
17) Carbon Disulfide	4.423	76	186164	21.545	ug/l	100
18) Methyl Acetate	4.710	43	62903	19.350	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	133841	21.458	ug/l	97
20) Methylene Chloride	4.954	84	99072	23.544	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	74671	21.298	ug/l	95
22) Diisopropyl ether	6.344	45	239475	21.528	ug/l	95
23) Vinyl Acetate	6.283	43	792465	106.657	ug/l	99
24) 1,1-Dichloroethane	6.246	63	144844	21.432	ug/l	97
25) 2-Butanone	7.191	43	158120	102.307	ug/l	99
26) 2,2-Dichloropropane	7.185	77	78833	22.804	ug/l	97
27) cis-1,2-Dichloroethene	7.197	96	89243	21.188	ug/l	93
28) Bromochloromethane	7.532	49	64926	20.419	ug/l	87
29) Tetrahydrofuran	7.551	42	99667	102.544	ug/l	94
30) Chloroform	7.691	83	148565	21.676	ug/l	99
31) Cyclohexane	7.971	56	120184	20.831	ug/l	93
32) 1,1,1-Trichloroethane	7.886	97	106459	21.919	ug/l	99
36) 1,1-Dichloropropene	8.093	75	101791	21.640	ug/l	98
37) Ethyl Acetate	7.276	43	68609	21.914	ug/l	98
38) Carbon Tetrachloride	8.087	117	98049	22.151	ug/l #	93
39) Methylcyclohexane	9.343	83	119548	21.070	ug/l	94
40) Benzene	8.337	78	317296	21.521	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032342.D
 Acq On : 03 Oct 2025 10:31
 Operator : SY/MD
 Sample : VW1003SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:59:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	35498	21.038	ug/l	95
42) 1,2-Dichloroethane	8.416	62	103118	21.375	ug/l	99
43) Isopropyl Acetate	8.435	43	117538	21.162	ug/l	99
44) Trichloroethene	9.099	130	74758	21.655	ug/l	90
45) 1,2-Dichloropropane	9.380	63	78010	21.198	ug/l	97
46) Dibromomethane	9.465	93	48612	21.482	ug/l	94
47) Bromodichloromethane	9.654	83	108411	20.945	ug/l	94
48) Methyl methacrylate	9.441	41	56601	20.960	ug/l #	91
49) 1,4-Dioxane	9.459	88	12333	398.732	ug/l #	87
51) 4-Methyl-2-Pentanone	10.215	43	339081	105.404	ug/l	99
52) Toluene	10.392	92	196886	21.443	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	103065	20.525	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	118600	20.504	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	63746	21.077	ug/l	95
56) Ethyl methacrylate	10.648	69	86298	20.385	ug/l	96
57) 1,3-Dichloropropane	10.934	76	117496	21.995	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	220821	98.013	ug/l	96
59) 2-Hexanone	10.971	43	239195	105.424	ug/l	98
60) Dibromochloromethane	11.129	129	72848	21.212	ug/l	96
61) 1,2-Dibromoethane	11.239	107	61426	20.829	ug/l	98
64) Tetrachloroethene	10.867	164	58955	20.518	ug/l	92
65) Chlorobenzene	11.660	112	220669	20.886	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	68946	20.952	ug/l	99
67) Ethyl Benzene	11.727	91	368376	20.917	ug/l	98
68) m/p-Xylenes	11.836	106	285983	42.112	ug/l	99
69) o-Xylene	12.166	106	129748	20.430	ug/l	98
70) Styrene	12.178	104	235147	21.207	ug/l	98
71) Bromoform	12.349	173	36757	19.487	ug/l #	98
73) Isopropylbenzene	12.464	105	341118	20.406	ug/l	99
74) N-amyl acetate	12.269	43	107047	20.073	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	82780	19.944	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	72682m	22.604	ug/l	
77) Bromobenzene	12.745	156	79961	19.843	ug/l	87
78) n-propylbenzene	12.800	91	429522	20.570	ug/l	97
79) 2-Chlorotoluene	12.891	91	257321	20.154	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	283160	19.589	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	24902	19.619	ug/l	94
82) 4-Chlorotoluene	12.989	91	271331	19.989	ug/l	99
83) tert-Butylbenzene	13.202	119	247707	20.886	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	301850	20.537	ug/l	100
85) sec-Butylbenzene	13.379	105	359423	19.831	ug/l	99
86) p-Isopropyltoluene	13.495	119	305005	20.281	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	165579	20.292	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	168683	20.675	ug/l	97
89) n-Butylbenzene	13.818	91	298633	20.338	ug/l	99
90) Hexachloroethane	14.086	117	52244	19.381	ug/l	87
91) 1,2-Dichlorobenzene	13.867	146	146324	19.838	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	14141	19.459	ug/l	88
93) 1,2,4-Trichlorobenzene	15.122	180	87929	19.880	ug/l	99
94) Hexachlorobutadiene	15.226	225	39478	19.522	ug/l	93
95) Naphthalene	15.360	128	212463	20.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	82685	19.834	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032342.D
Acq On : 03 Oct 2025 10:31
Operator : SY/MD
Sample : VW1003SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:59:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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

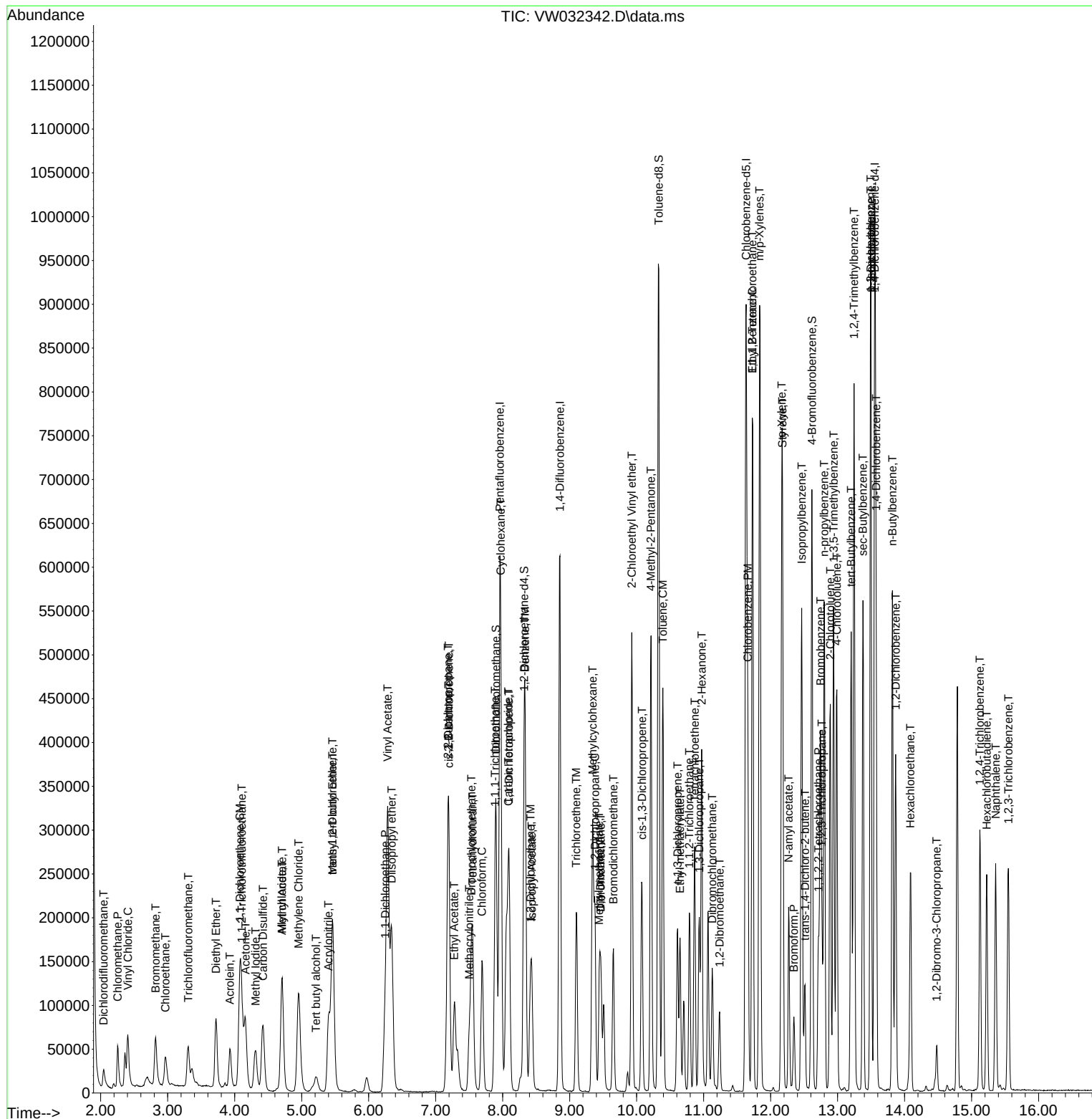
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032342.D
 Acq On : 03 Oct 2025 10:31
 Operator : SY/MD
 Sample : VW1003SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:59:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration



Manual Integration Report

Sequence:	VW100125	Instrument	MSVOA_w
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032313.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:08 AM	SAM	10/3/2025 2:31:09 AM	Peak Integrated by Software
VSTDICC010	VW032314.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:10 AM	SAM	10/3/2025 2:31:10 AM	Peak Integrated by Software
VSTDICC020	VW032315.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:11 AM	SAM	10/3/2025 2:31:12 AM	Peak Integrated by Software
VSTDICCC050	VW032316.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:13 AM	SAM	10/3/2025 2:31:13 AM	Peak Integrated by Software
VSTDICC100	VW032317.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:14 AM	SAM	10/3/2025 2:31:14 AM	Peak Integrated by Software
VSTDICC150	VW032318.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:16 AM	SAM	10/3/2025 2:31:16 AM	Peak Integrated by Software
VSTDICV050	VW032320.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:18 AM	SAM	10/3/2025 2:31:17 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VW100325

Instrument

MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032339.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:23:41 AM	SAM	10/6/2025 4:27:50 AM	Peak Integrated by Software
VW1003SBS01	VW032341.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:23:42 AM	SAM	10/6/2025 4:27:51 AM	Peak Integrated by Software
VW1003SBSD01	VW032342.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:23:43 AM	SAM	10/6/2025 4:27:53 AM	Peak Integrated by Software
VSTDCCC050	VW032350.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:23:46 AM	SAM	10/6/2025 4:27:56 AM	Peak Integrated by Software

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW100125

Review By	Mahesh Dadoda	Review On	10/3/2025 2:27:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/3/2025 2:31:29 AM		
SubDirectory	VW100125	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP135712			
Initial Calibration Stds		VP135713,VP135714,VP135715,VP135716,VP135717,VP135718			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032312.D	01 Oct 2025 08:12	SY/MD	Ok
2	VSTDICC005	VW032313.D	01 Oct 2025 13:12	SY/MD	Ok,M
3	VSTDICC010	VW032314.D	01 Oct 2025 13:34	SY/MD	Ok,M
4	VSTDICC020	VW032315.D	01 Oct 2025 14:15	SY/MD	Ok,M
5	VSTDICCC050	VW032316.D	01 Oct 2025 14:37	SY/MD	Ok,M
6	VSTDICC100	VW032317.D	01 Oct 2025 14:59	SY/MD	Ok,M
7	VSTDICC150	VW032318.D	01 Oct 2025 15:20	SY/MD	Ok,M
8	VIBLK	VW032319.D	01 Oct 2025 15:42	SY/MD	Ok
9	VSTDICV050	VW032320.D	01 Oct 2025 16:04	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:23:57 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:28:12 AM		
SubDirectory	VW100325	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135731			
CCC		VP135732,VP135733			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032338.D	03 Oct 2025 08:39	SY/MD	Ok
2	VSTDCCC050	VW032339.D	03 Oct 2025 09:13	SY/MD	Ok,M
3	VW1003SBL01	VW032340.D	03 Oct 2025 09:40	SY/MD	Ok
4	VW1003SBS01	VW032341.D	03 Oct 2025 10:09	SY/MD	Ok,M
5	VW1003SBSD01	VW032342.D	03 Oct 2025 10:31	SY/MD	Ok,M
6	Q3262-04RE	VW032343.D	03 Oct 2025 11:10	SY/MD	Confirms
7	Q3269-01	VW032344.D	03 Oct 2025 11:32	SY/MD	Ok
8	Q3271-01	VW032345.D	03 Oct 2025 11:54	SY/MD	Ok
9	Q3270-01	VW032346.D	03 Oct 2025 12:16	SY/MD	ReRun
10	Q3272-01	VW032347.D	03 Oct 2025 12:37	SY/MD	Ok
11	Q3277-01	VW032348.D	03 Oct 2025 13:00	SY/MD	Ok
12	VIBLK	VW032349.D	03 Oct 2025 13:22	SY/MD	Ok
13	VSTDCCC050	VW032350.D	03 Oct 2025 13:44	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW100125

Review By	Maresh Dadoda	Review On	10/3/2025 2:27:29 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/3/2025 2:31:29 AM
SubDirectory	VW100125	HP Acquire Method	MSVOA_W
		HP Processing Method	82w100125s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135712
Initial Calibration Stds	VP135713,VP135714,VP135715,VP135716,VP135717,VP135718
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032312.D	01 Oct 2025 08:12		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW032313.D	01 Oct 2025 13:12	Pass for DOD	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW032314.D	01 Oct 2025 13:34	LR-20	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW032315.D	01 Oct 2025 14:15		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW032316.D	01 Oct 2025 14:37		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW032317.D	01 Oct 2025 14:59		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW032318.D	01 Oct 2025 15:20		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032319.D	01 Oct 2025 15:42		SY/MD	Ok
9	VSTDICV050	ICVVW100125	VW032320.D	01 Oct 2025 16:04		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:23:57 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:28:12 AM		
SubDirectory	VW100325	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135731			
CCC		VP135732,VP135733			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032338.D	03 Oct 2025 08:39		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032339.D	03 Oct 2025 09:13		SY/MD	Ok,M
3	VW1003SBL01	VW1003SBL01	VW032340.D	03 Oct 2025 09:40		SY/MD	Ok
4	VW1003SBS01	VW1003SBS01	VW032341.D	03 Oct 2025 10:09		SY/MD	Ok,M
5	VW1003SBSD01	VW1003SBSD01	VW032342.D	03 Oct 2025 10:31		SY/MD	Ok,M
6	Q3262-04RE	MOO-25-0282RE	VW032343.D	03 Oct 2025 11:10	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q3269-01	EG1-TP1	VW032344.D	03 Oct 2025 11:32	vial-B	SY/MD	Ok
8	Q3271-01	72-11929	VW032345.D	03 Oct 2025 11:54	vial-A	SY/MD	Ok
9	Q3270-01	SG-1-TEST-PIT	VW032346.D	03 Oct 2025 12:16	vial-A Internal Standard Fail	SY/MD	ReRun
10	Q3272-01	VNJ-235	VW032347.D	03 Oct 2025 12:37	vial-A	SY/MD	Ok
11	Q3277-01	WC1	VW032348.D	03 Oct 2025 13:00	vial-A	SY/MD	Ok
12	VIBLK	VIBLK	VW032349.D	03 Oct 2025 13:22		SY/MD	Ok
13	VSTDCCC050	VSTDCCC050EC	VW032350.D	03 Oct 2025 13:44		SY/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3277	OrderDate:	10/2/2025 3:50:00 PM
Client:	G Environmental	Project:	Newport
Contact:	Gary Landis	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3277-01	WC1	SOIL	VOC-TCLVOA-10	8260D	09/30/25		10/03/25	10/02/25