

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121225\
 Data File : VW032642.D
 Acq On : 12 Dec 2025 09:32
 Operator : SY/MD
 Sample : VW1212SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1212SBL01

Quant Time: Dec 13 00:05:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	316162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	611408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	546162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	241709	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	234574	47.380	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	94.760%
35) Dibromofluoromethane	7.898	113	191537	44.353	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.700%
50) Toluene-d8	10.325	98	680049	43.340	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	86.680%
62) 4-Bromofluorobenzene	12.617	95	232473	40.354	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	80.700%

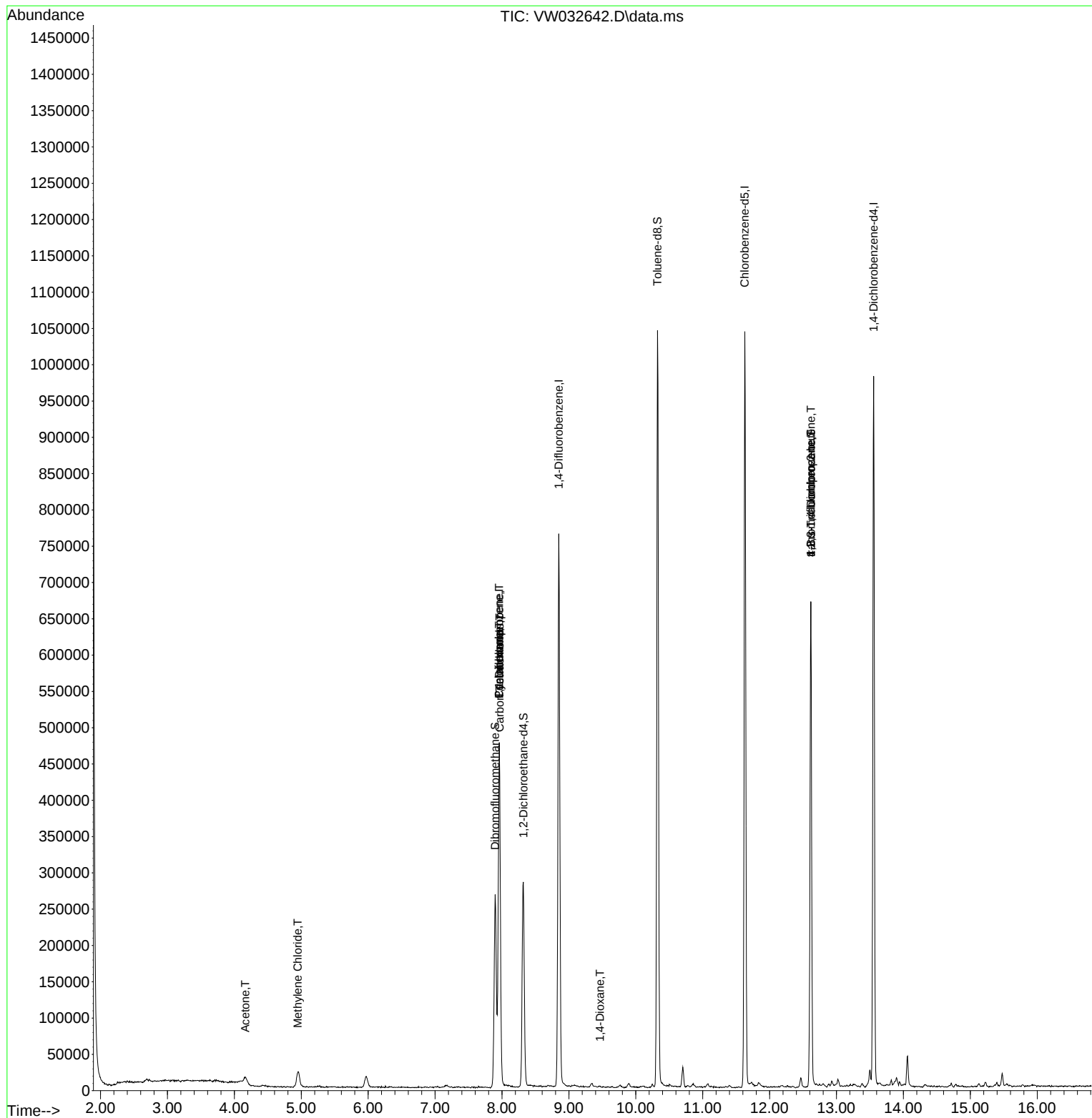
Target Compounds					Qvalue	
16) Acetone	4.161	43	12140	7.329	ug/l #	76
20) Methylene Chloride	4.948	84	17322	3.426	ug/l	95
31) Cyclohexane	7.959	56	9563	1.256	ug/l #	5
36) 1,1-Dichloropropene	7.959	75	30636	4.867	ug/l #	50
38) Carbon Tetrachloride	7.965	117	34931	5.999	ug/l #	18
49) 1,4-Dioxane	9.465	88	73	1.922	ug/l #	7
58) 2-Chloroethyl Vinyl ether	9.928	63	158	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.617	75	121321	37.405	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	121321	81.953	ug/l #	7
95) Naphthalene	15.360	128	1367	Below Cal	#	82

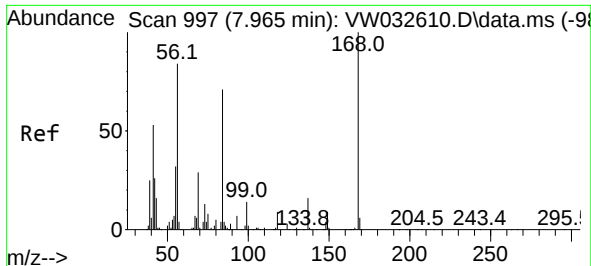
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121225\
Data File : VW032642.D
Acq On : 12 Dec 2025 09:32
Operator : SY/MD
Sample : VW1212SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1212SBL01

Quant Time: Dec 13 00:05:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 11 01:56:28 2025
Response via : Initial Calibration

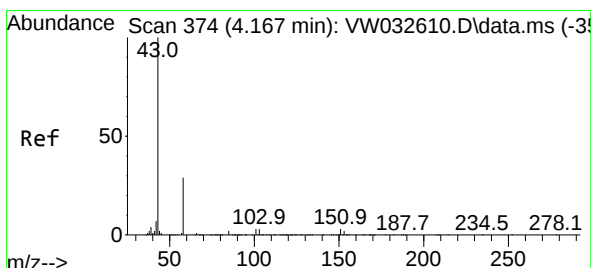
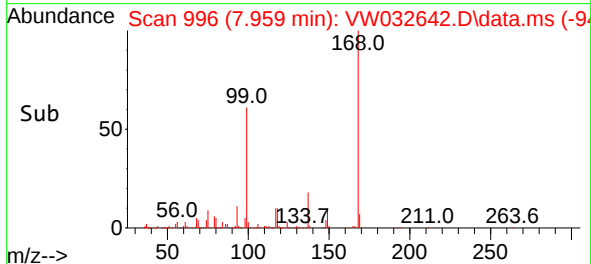
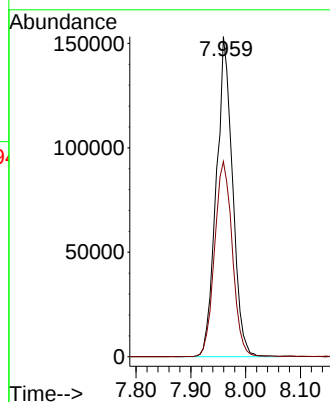
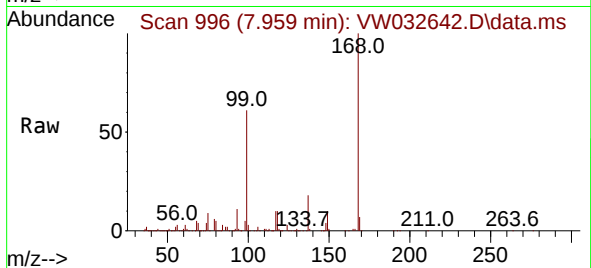




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

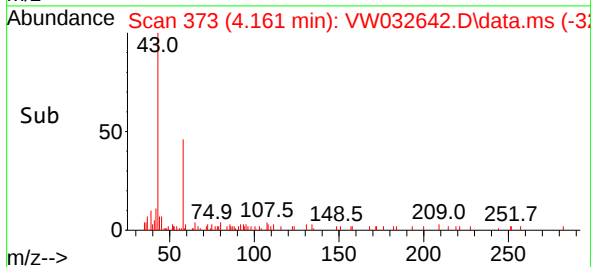
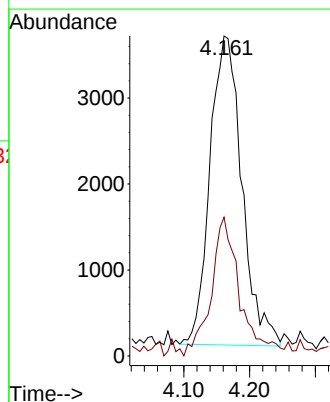
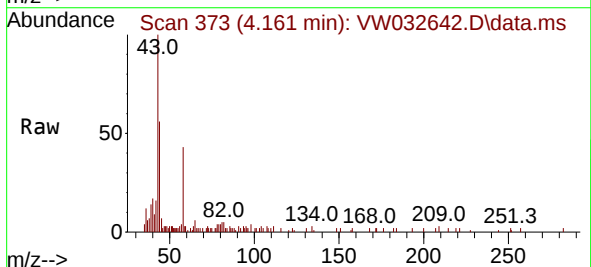
Instrument :
MSVOA_W
ClientSampleId :
VW1212SBL01

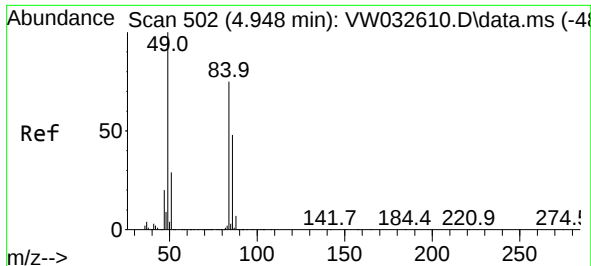
Tgt Ion:168 Resp: 316162
Ion Ratio Lower Upper
168 100
99 61.0 47.8 71.8



#16
Acetone
Concen: 7.329 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.006 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Tgt Ion: 43 Resp: 12140
Ion Ratio Lower Upper
43 100
58 42.7 23.9 35.9#

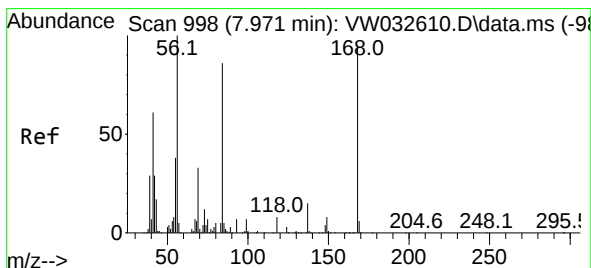
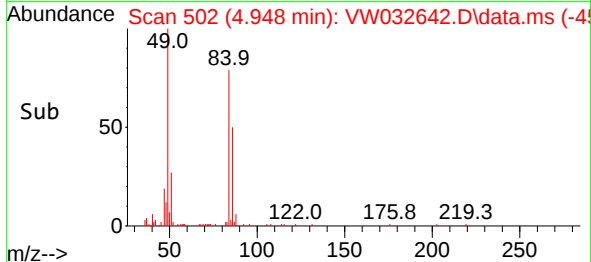
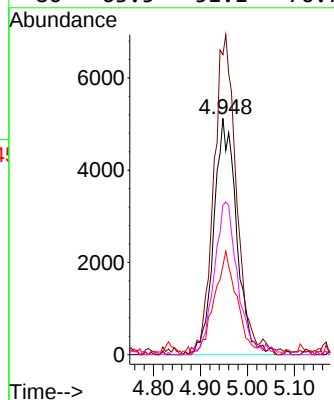
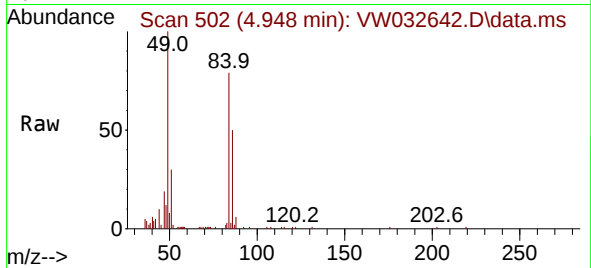




#20
Methylene Chloride
Concen: 3.426 ug/l
RT: 4.948 min Scan# 502
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

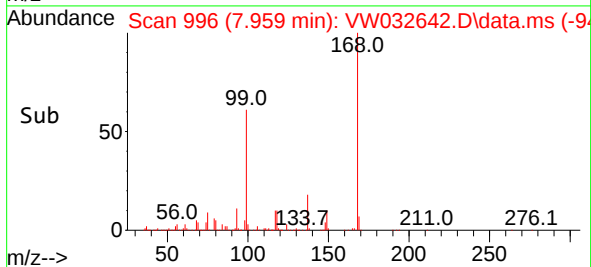
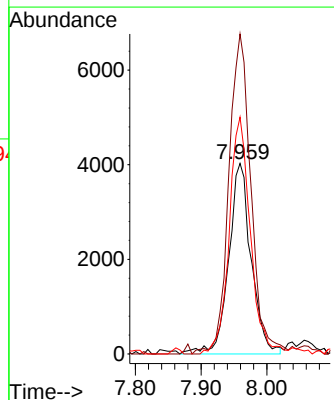
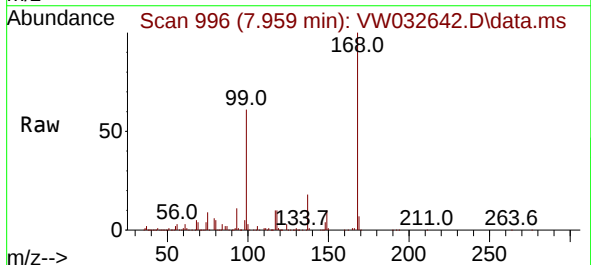
Instrument :
MSVOA_W
ClientSampleId :
VW1212SBL01

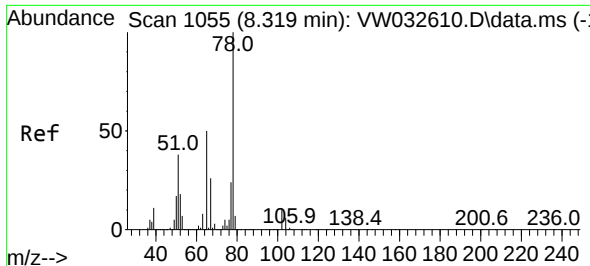
Tgt Ion:	84	Resp:	17322
Ion	Ratio	Lower	Upper
84	100		
49	125.4	106.9	160.3
51	37.6	31.4	47.2
86	63.5	51.1	76.7



#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Tgt Ion:	56	Resp:	9563
Ion	Ratio	Lower	Upper
56	100		
69	168.0	26.2	39.2#
84	122.2	68.9	103.3#

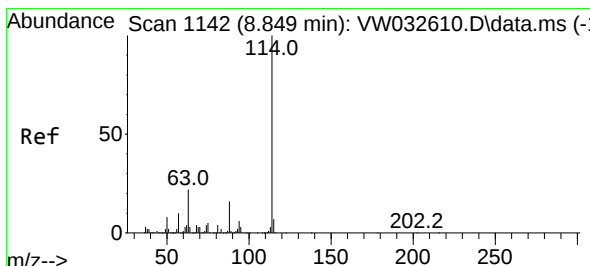
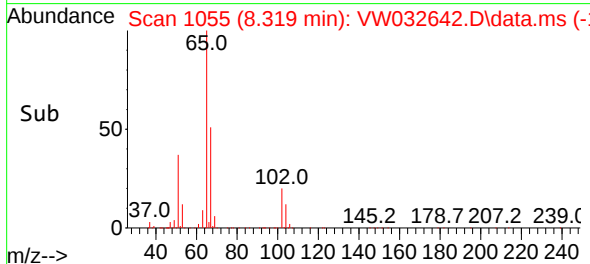
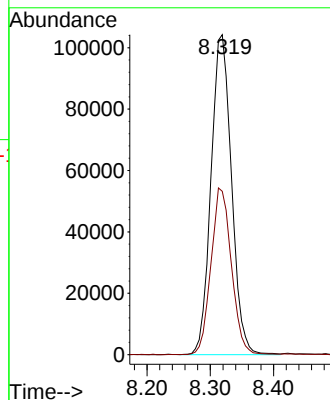
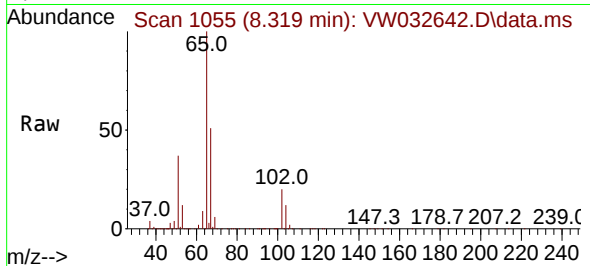




#33
 1,2-Dichloroethane-d4
 Concen: 47.380 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032642.D
 Acq: 12 Dec 2025 09:32

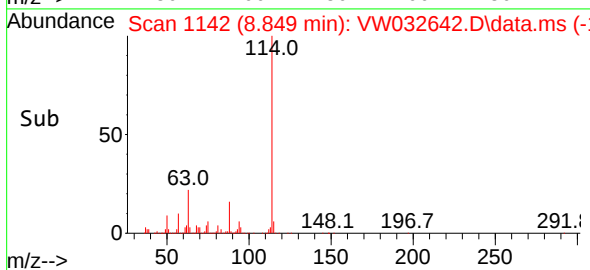
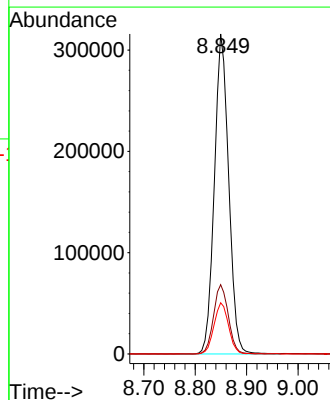
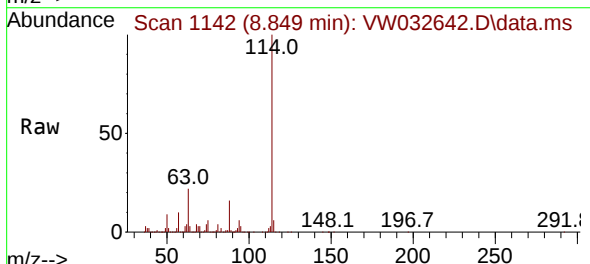
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1212SBL01

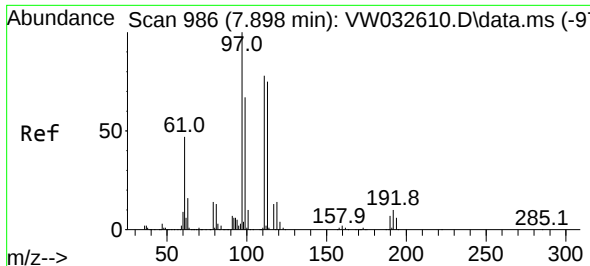
Tgt Ion: 65 Resp: 234574
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032642.D
 Acq: 12 Dec 2025 09:32

Tgt Ion: 114 Resp: 611408
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.6
 88 16.0 0.0 31.8

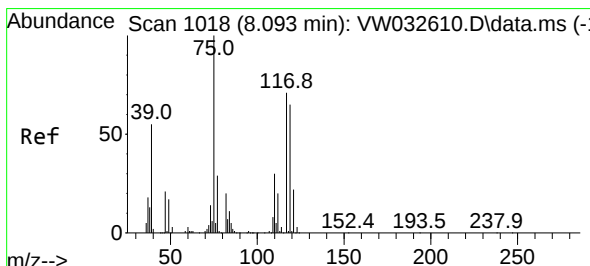
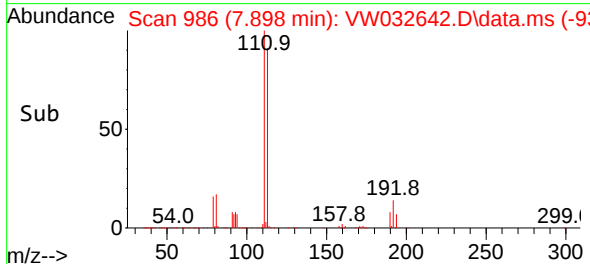
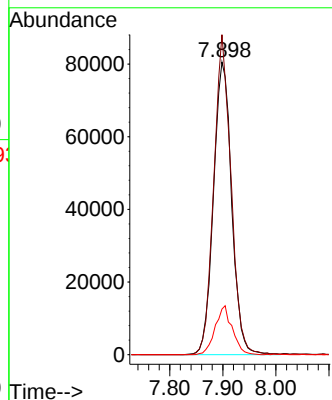
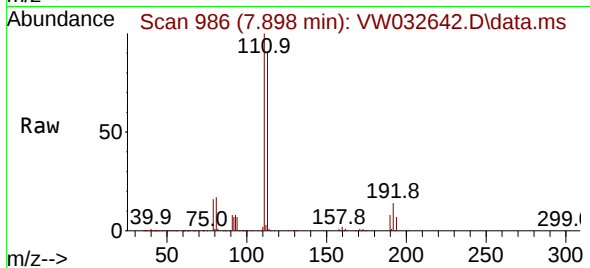




#35
 Dibromofluoromethane
 Concen: 44.353 ug/l
 RT: 7.898 min Scan# 915
 Delta R.T. 0.000 min
 Lab File: VW032642.D
 Acq: 12 Dec 2025 09:32

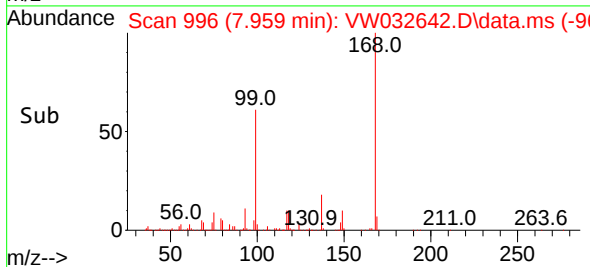
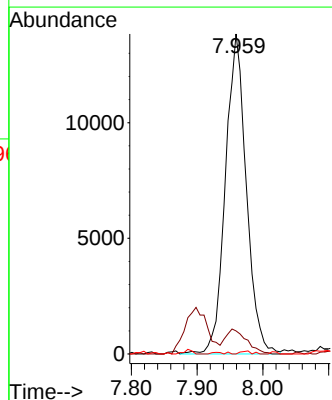
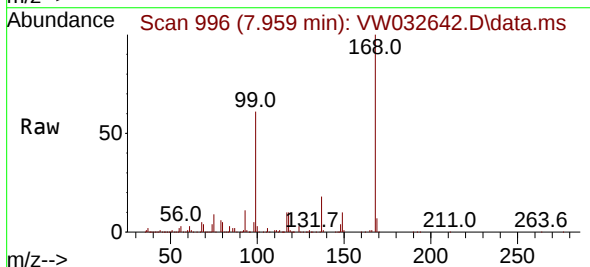
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1212SBL01

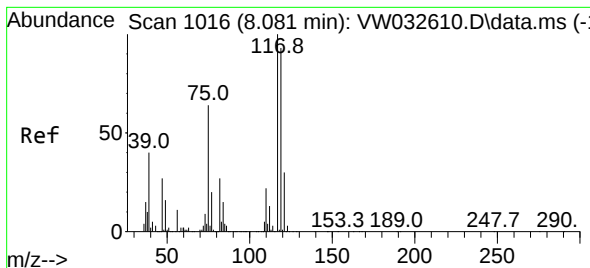
Tgt Ion:113 Resp: 191537
 Ion Ratio Lower Upper
 113 100
 111 103.7 85.2 127.8
 192 15.8 13.3 19.9



#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW032642.D
 Acq: 12 Dec 2025 09:32

Tgt Ion: 75 Resp: 30636
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.3 48.9#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.999 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032642.D

Acq: 12 Dec 2025 09:32

Instrument :

MSVOA_W

ClientSampleId :

VW1212SBL01

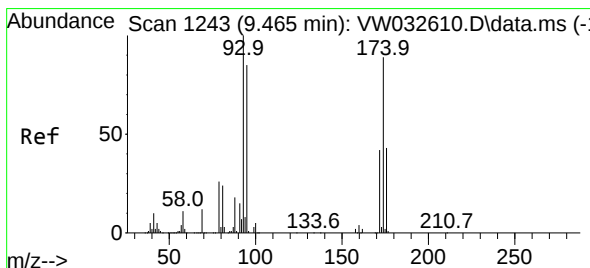
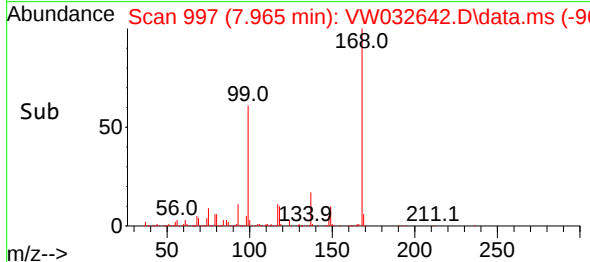
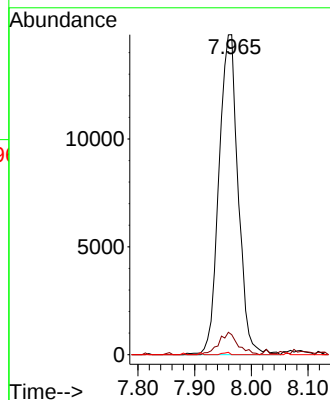
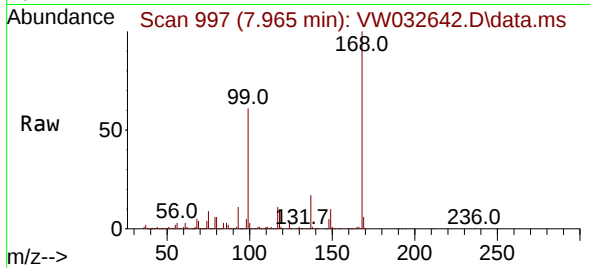
Tgt Ion:117 Resp: 34931

Ion Ratio Lower Upper

117 100

119 6.2 74.3 111.5#

121 0.0 23.6 35.4#



#49

1,4-Dioxane

Concen: 1.922 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VW032642.D

Acq: 12 Dec 2025 09:32

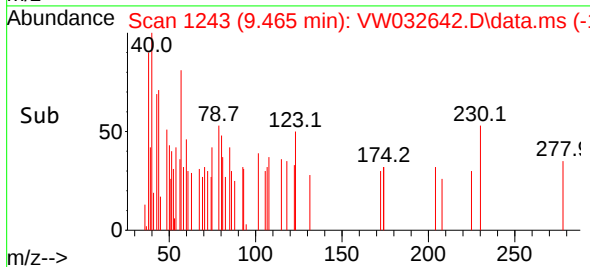
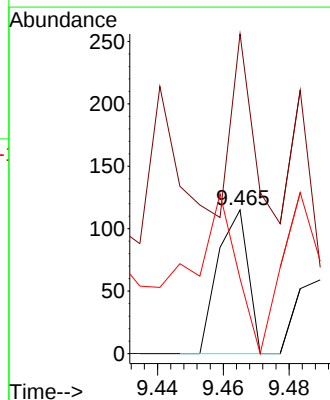
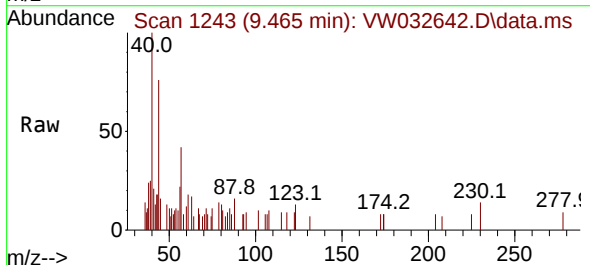
Tgt Ion: 88 Resp: 73

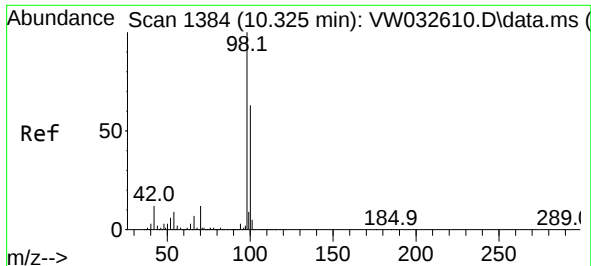
Ion Ratio Lower Upper

88 100

43 94.5 0.0 0.0#

58 161.6 63.8 95.8#

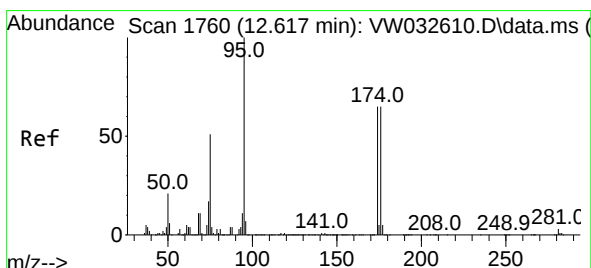
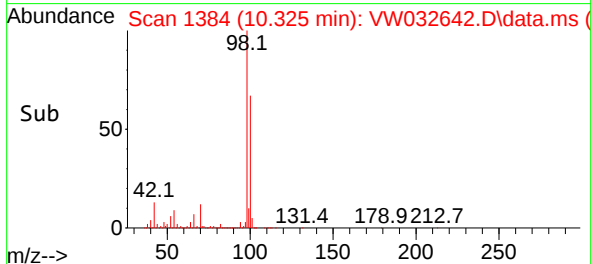
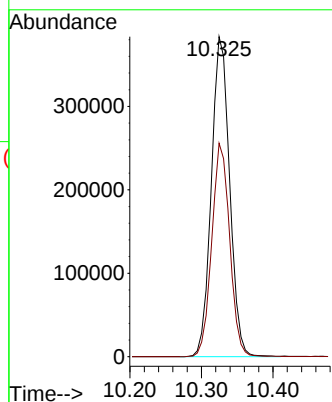
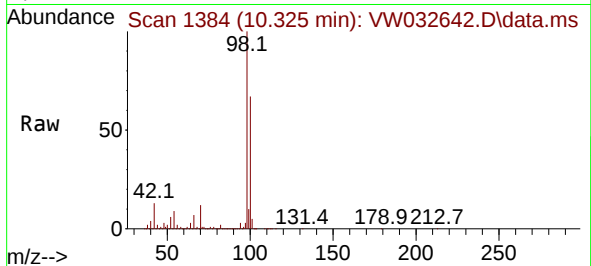




#50
Toluene-d8
Concen: 43.340 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

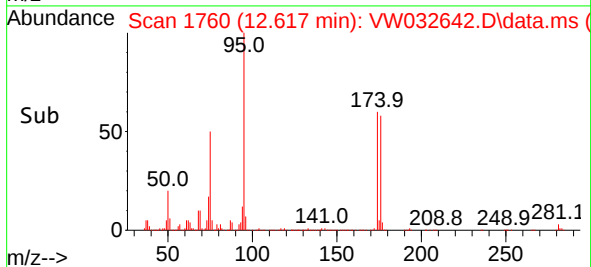
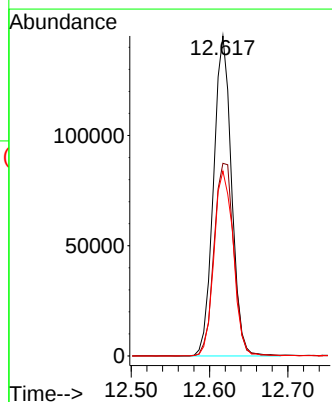
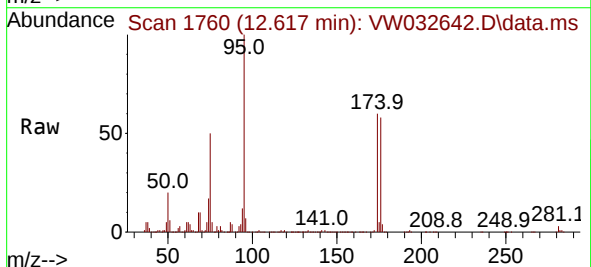
Instrument :
MSVOA_W
ClientSampleId :
VW1212SBL01

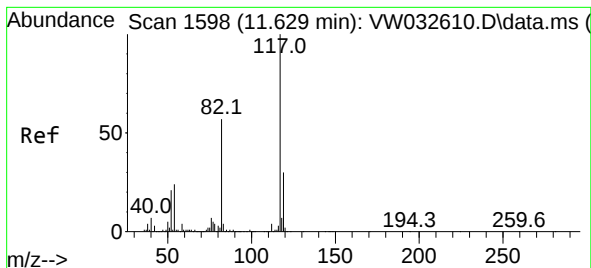
Tgt Ion: 98 Resp: 680049
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.354 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Tgt Ion: 95 Resp: 232473
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.0
176 61.9 0.0 123.4

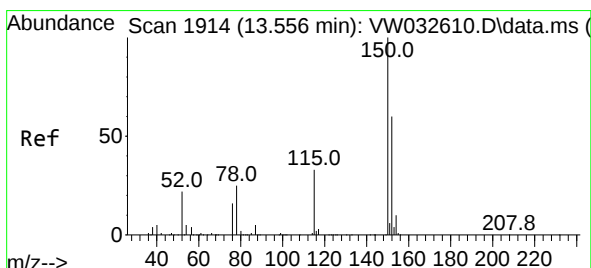
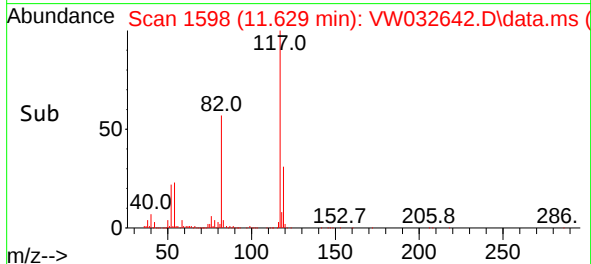
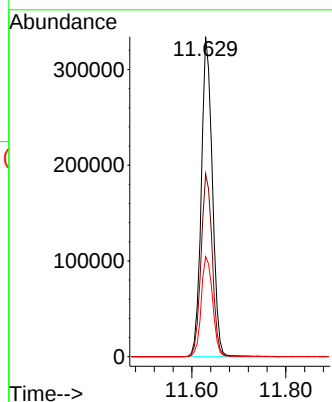
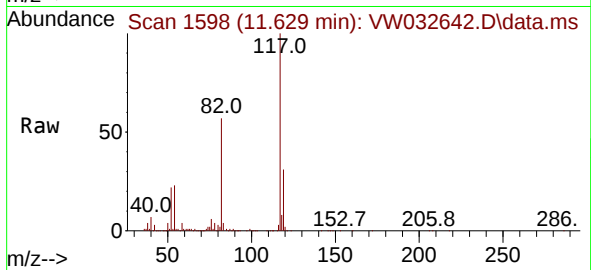




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

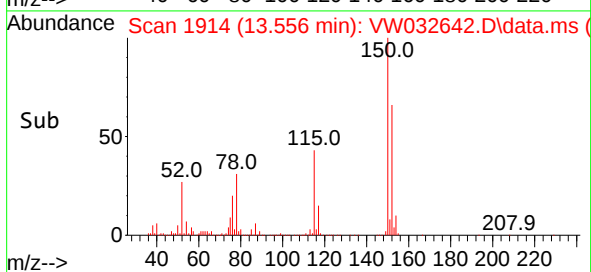
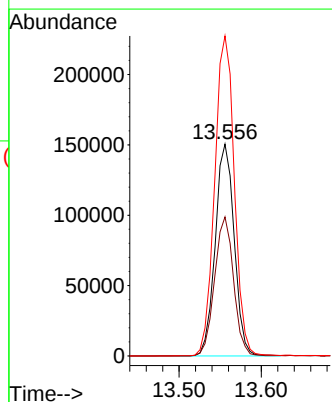
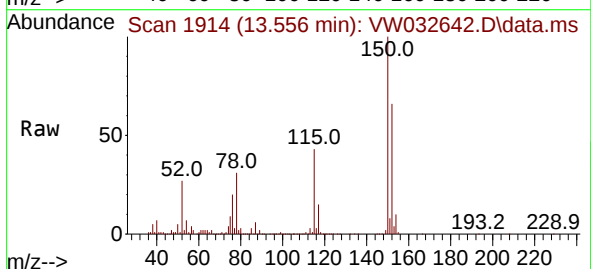
Instrument :
MSVOA_W
ClientSampleId :
VW1212SBL01

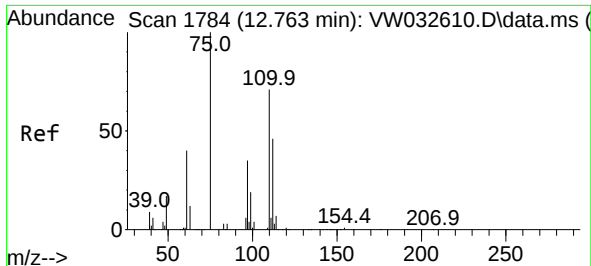
Tgt Ion:117 Resp: 546162
Ion Ratio Lower Upper
117 100
82 57.1 45.5 68.3
119 31.2 23.8 35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Tgt Ion:152 Resp: 241709
Ion Ratio Lower Upper
152 100
115 65.4 33.8 101.3
150 156.3 0.0 369.4

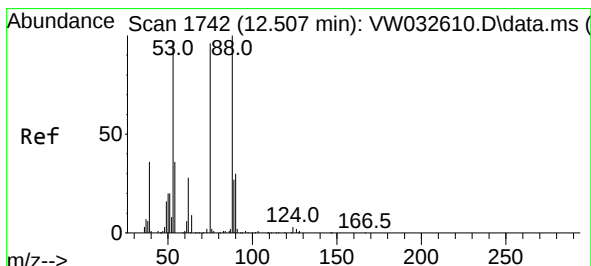
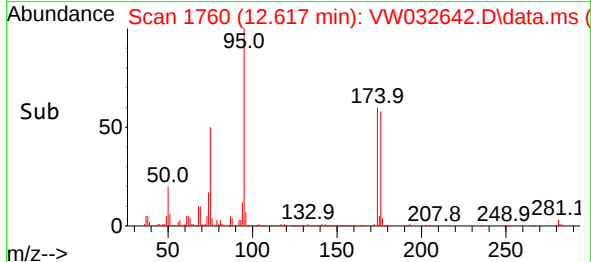
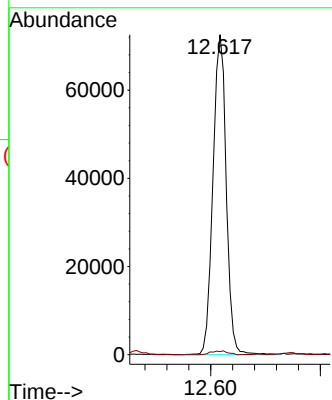
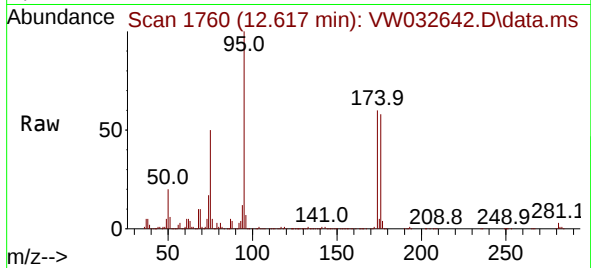




#76
1,2,3-Trichloropropane
Concen: 37.405 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Instrument :
MSVOA_W
ClientSampleId :
VW1212SBL01

Tgt Ion: 75 Resp: 121321
Ion Ratio Lower Upper
75 100
77 1.5 154.0 462.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.953 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032642.D
Acq: 12 Dec 2025 09:32

Tgt Ion: 75 Resp: 121321
Ion Ratio Lower Upper
75 100
53 0.4 86.1 129.1#
89 0.1 37.4 56.2#

