

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120525\
 Data File : VW032577.D
 Acq On : 05 Dec 2025 14:06
 Operator : SY/MD
 Sample : Q3781-01
 Misc : 5.41g/5mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-1242025-1

Quant Time: Dec 05 23:01:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

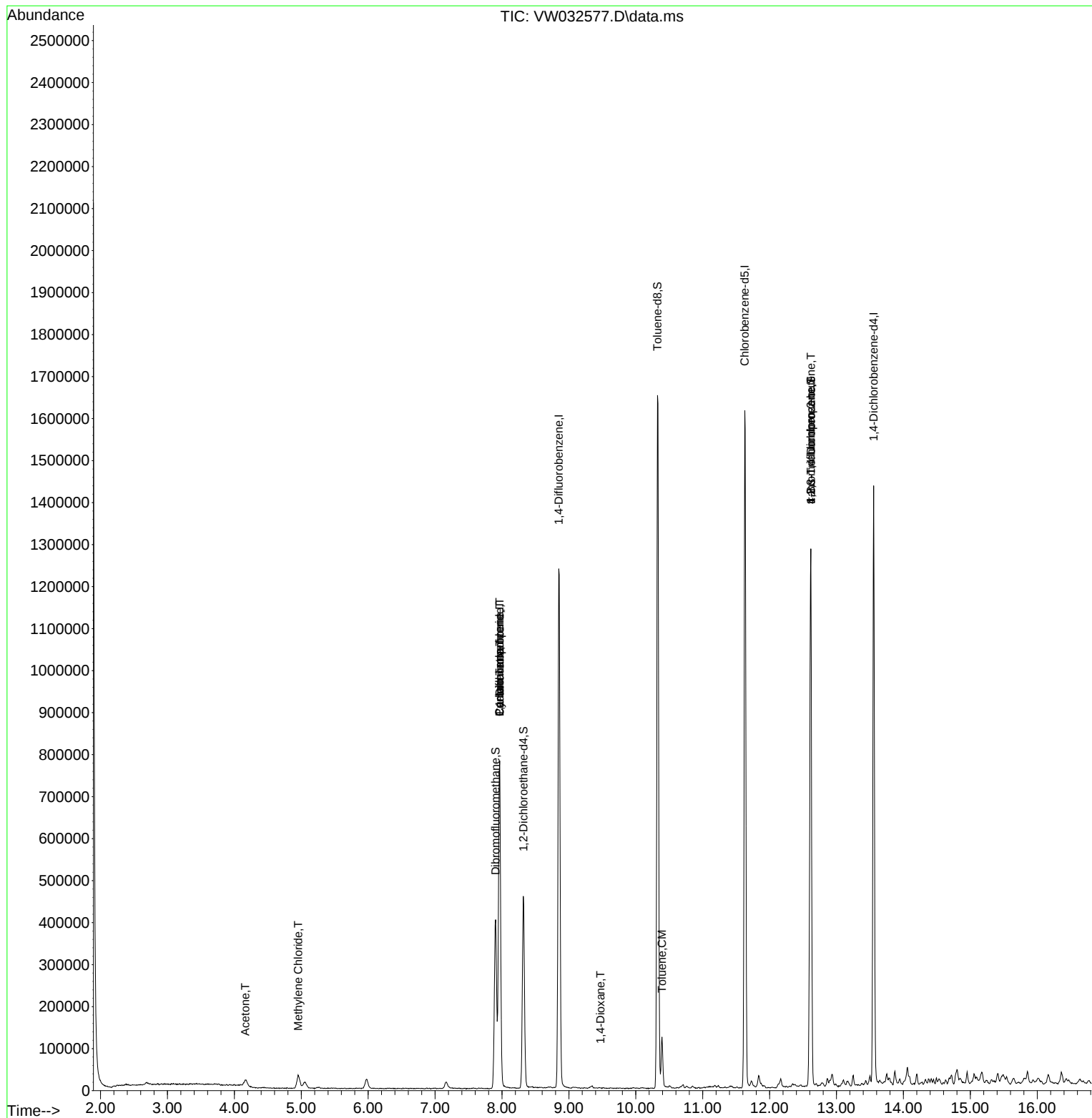
Internal Standards						
1) Pentafluorobenzene	7.965	168	548184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	1052231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	898271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	347454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	367213	45.013	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	90.020%		
35) Dibromofluoromethane	7.904	113	302658	43.709	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	87.420%		
50) Toluene-d8	10.325	98	1109831	42.595	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	85.180%		
62) 4-Bromofluorobenzene	12.617	95	379418	39.414	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	78.820%		
Target Compounds						Qvalue
16) Acetone	4.161	43	24669	9.677	ug/l	100
20) Methylene Chloride	4.954	84	23881	2.620	ug/l	96
31) Cyclohexane	7.965	56	14618	1.118	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	51223	4.850	ug/l #	50
38) Carbon Tetrachloride	7.965	117	59857	6.100	ug/l #	17
49) 1,4-Dioxane	9.471	88	68	1.177	ug/l #	9
52) Toluene	10.392	92	48258	2.380	ug/l	99
76) 1,2,3-Trichloropropane	12.617	75	201737	42.908	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	201737	100.920	ug/l #	10

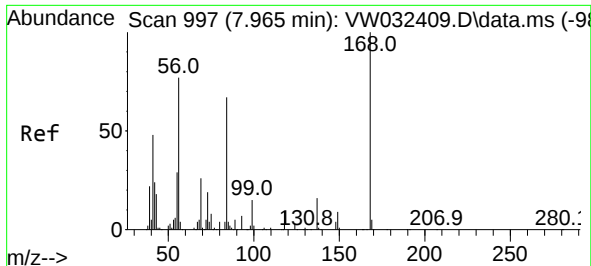
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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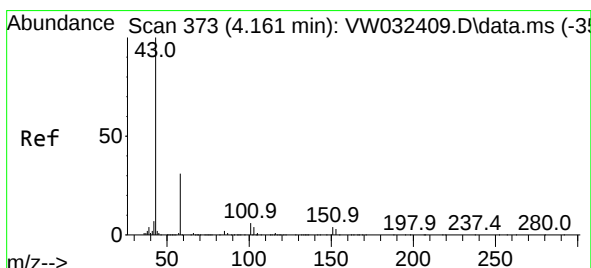
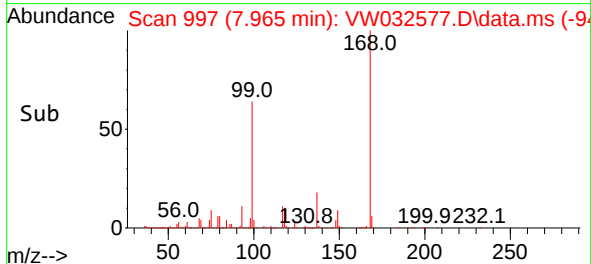
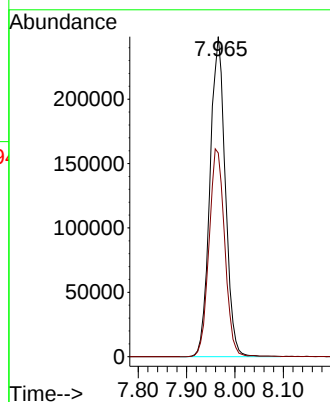
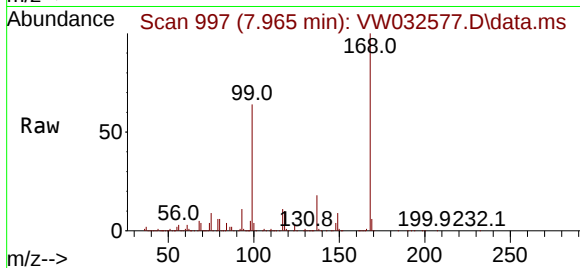




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

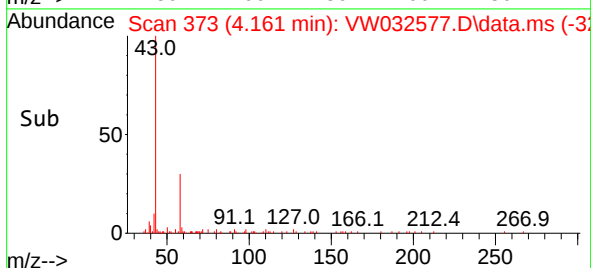
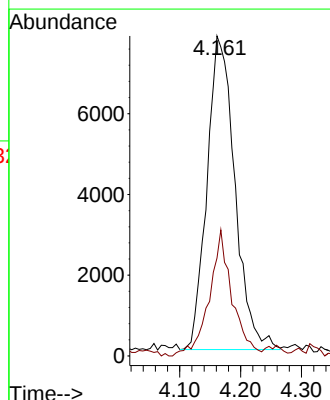
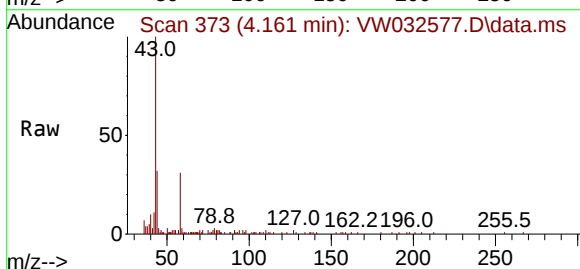
Instrument :
MSVOA_W
ClientSampleId :
OK-1242025-1

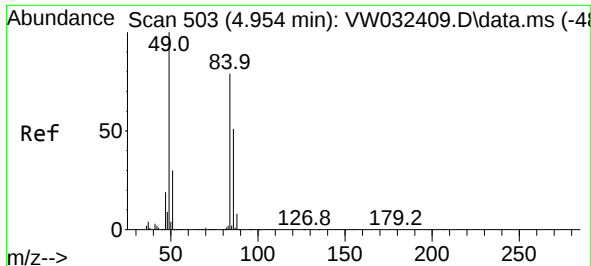
Tgt Ion:168 Resp: 548184
Ion Ratio Lower Upper
168 100
99 63.7 51.8 77.8



#16
Acetone
Concen: 9.677 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

Tgt Ion: 43 Resp: 24669
Ion Ratio Lower Upper
43 100
58 29.7 23.5 35.3

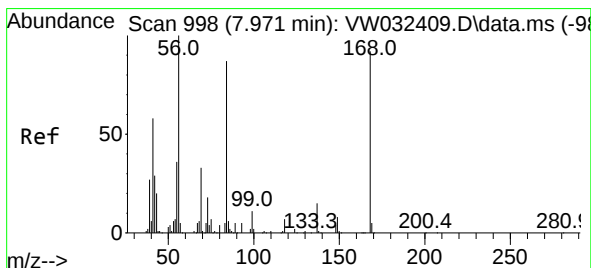
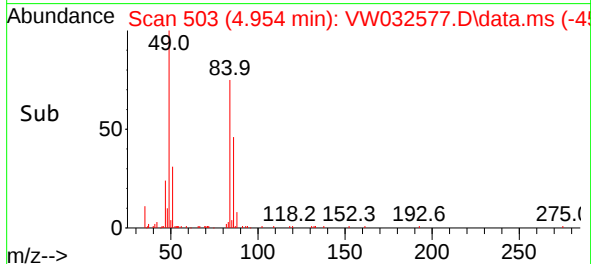
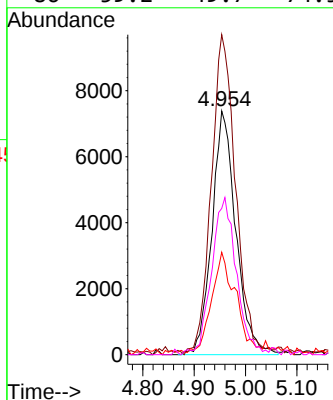
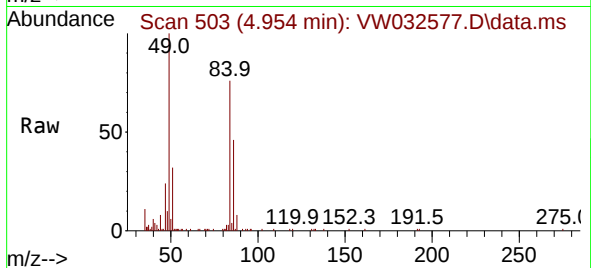




#20
Methylene Chloride
Concen: 2.620 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

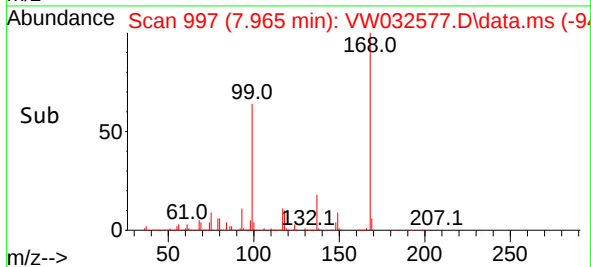
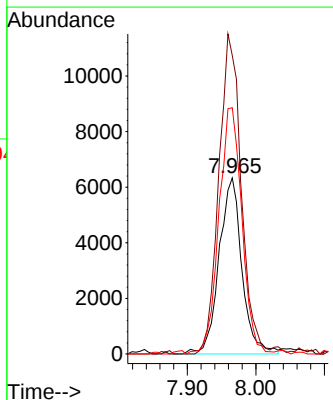
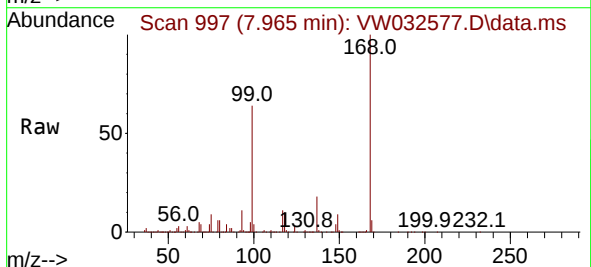
Instrument :
MSVOA_W
ClientSampleId :
OK-1242025-1

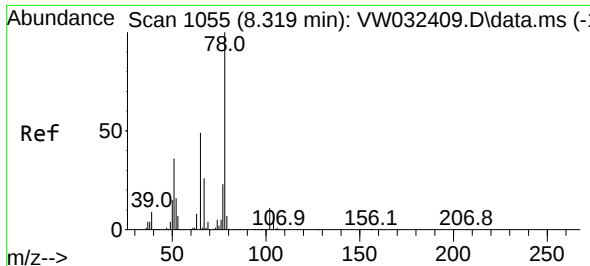
Tgt Ion:	84	Resp:	23881
Ion	Ratio	Lower	Upper
84	100		
49	129.5	107.6	161.4
51	41.0	33.9	50.9
86	59.2	49.7	74.5



#31
Cyclohexane
Concen: 1.118 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

Tgt Ion:	56	Resp:	14618
Ion	Ratio	Lower	Upper
56	100		
69	169.5	27.3	40.9#
84	138.3	67.5	101.3#





#33

1,2-Dichloroethane-d4

Concen: 45.013 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW032577.D

Acq: 05 Dec 2025 14:06

Instrument :

MSVOA_W

ClientSampleId :

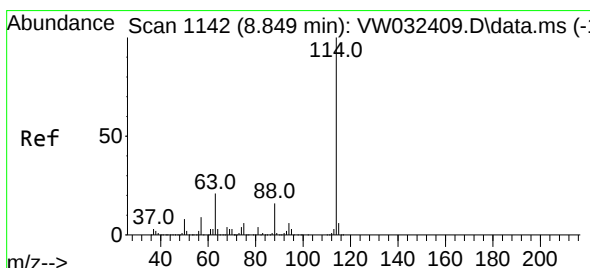
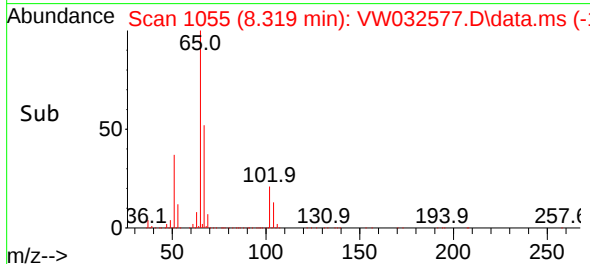
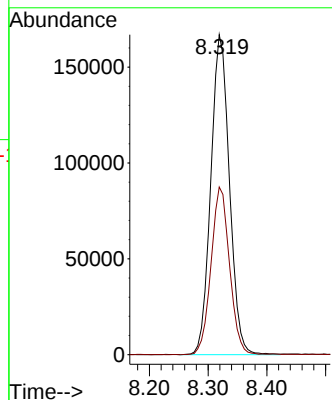
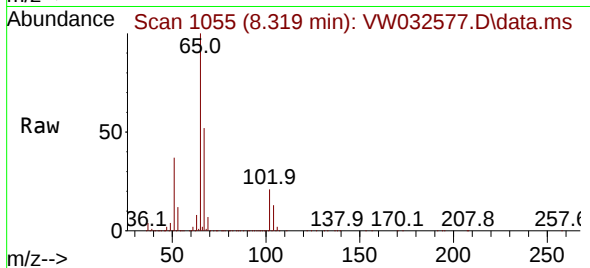
OK-1242025-1

Tgt Ion: 65 Resp: 367213

Ion Ratio Lower Upper

65 100

67 52.2 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032577.D

Acq: 05 Dec 2025 14:06

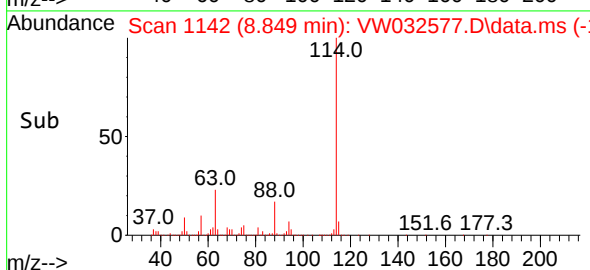
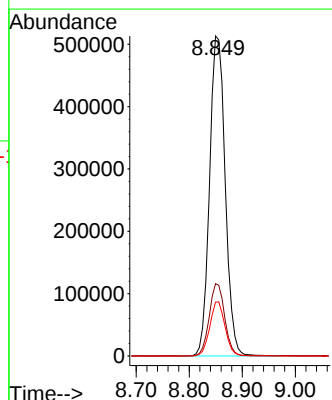
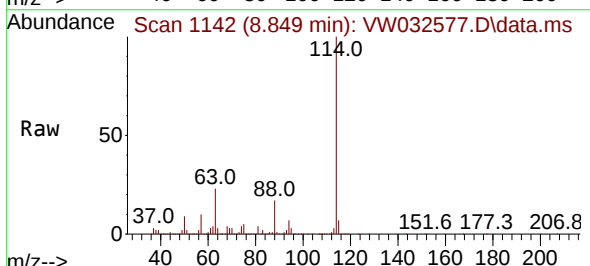
Tgt Ion: 114 Resp: 1052231

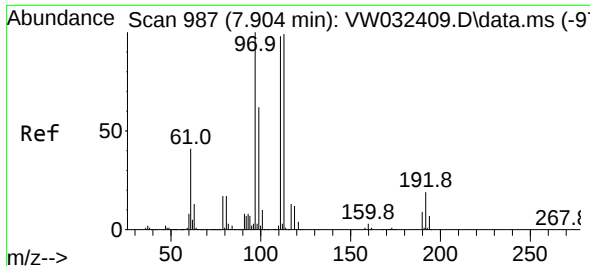
Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.6

88 16.8 0.0 31.2

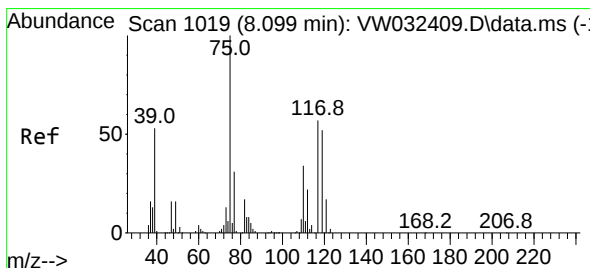
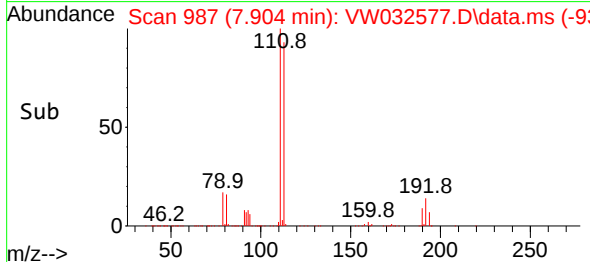
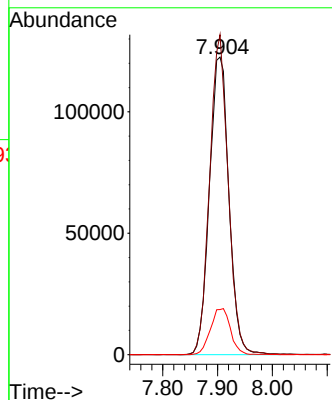
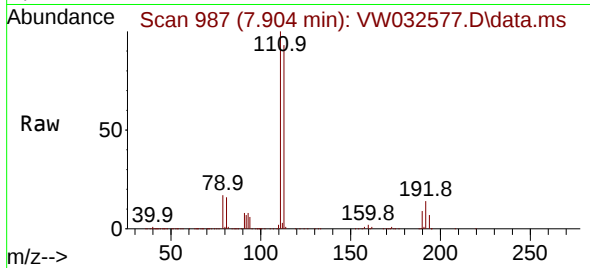




#35
Dibromofluoromethane
Concen: 43.709 ug/l
RT: 7.904 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

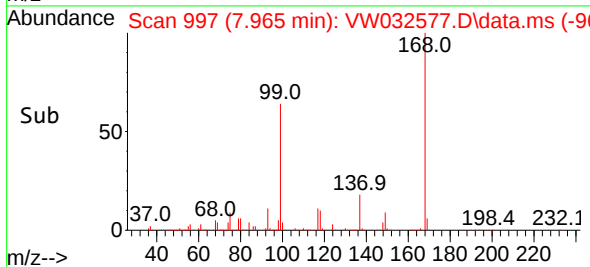
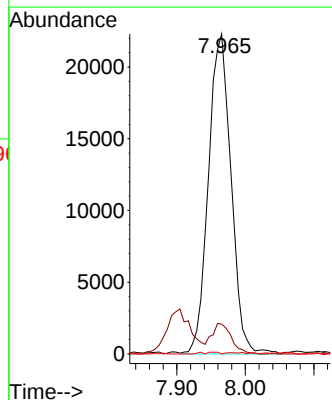
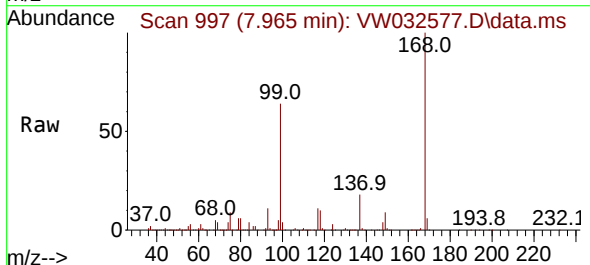
Instrument :
MSVOA_W
ClientSampleId :
OK-1242025-1

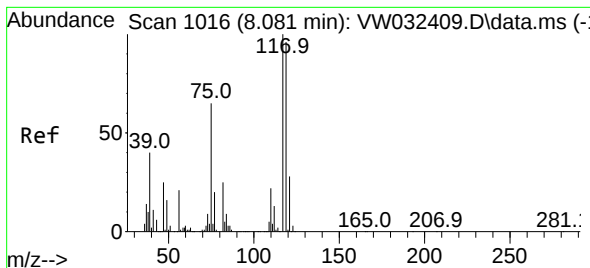
Tgt Ion:113 Resp: 302658
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.0
192 15.9 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.850 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.128 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

Tgt Ion: 75 Resp: 51223
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.6#
77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.100 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032577.D

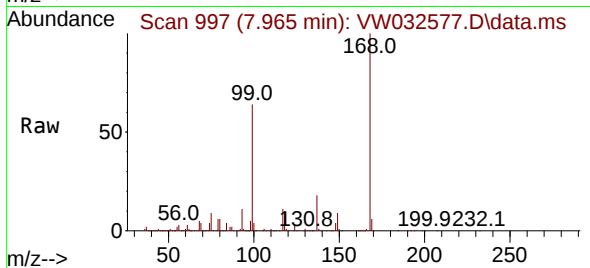
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Instrument :

MSVOA_W

ClientSampleId :

OK-1242025-1



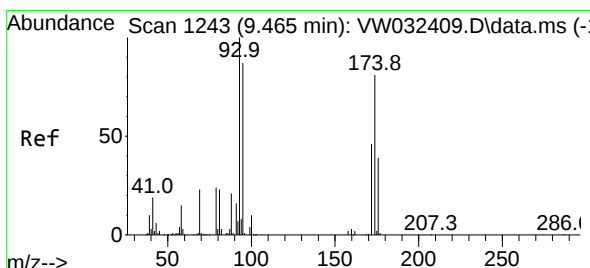
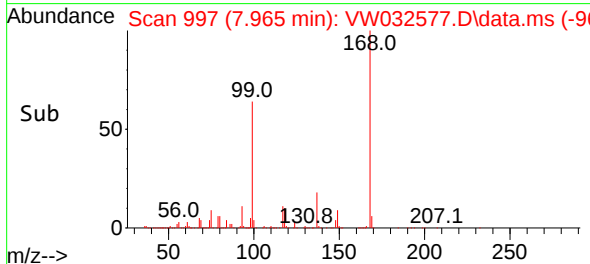
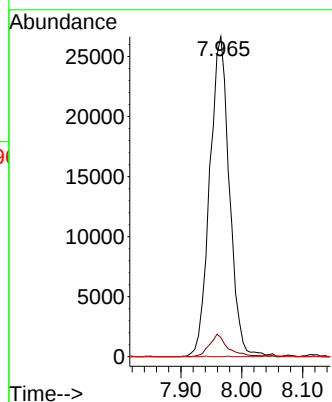
Tgt Ion:117 Resp: 59857

Ion Ratio Lower Upper

117 100

119 6.0 76.9 115.3#

121 0.0 25.4 38.2#



#49

1,4-Dioxane

Concen: 1.177 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.012 min

Lab File: VW032577.D

Acq: 05 Dec 2025 14:06

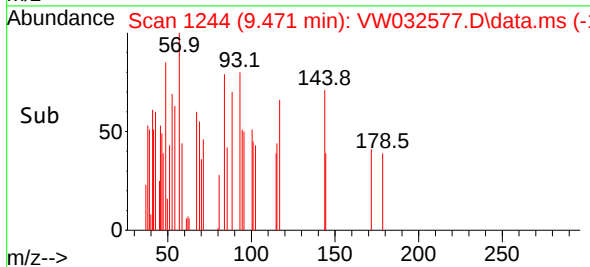
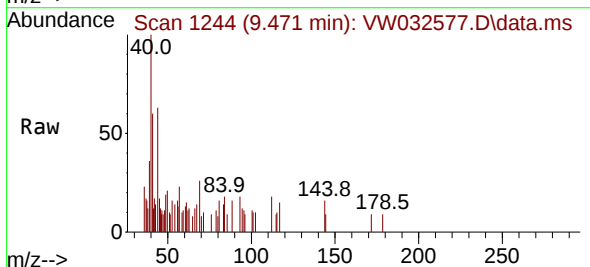
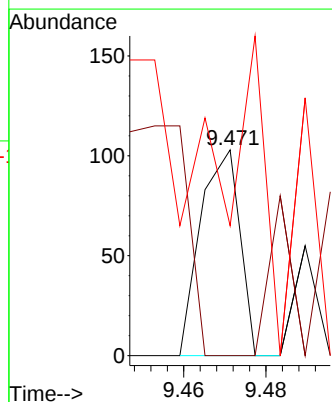
Tgt Ion: 88 Resp: 68

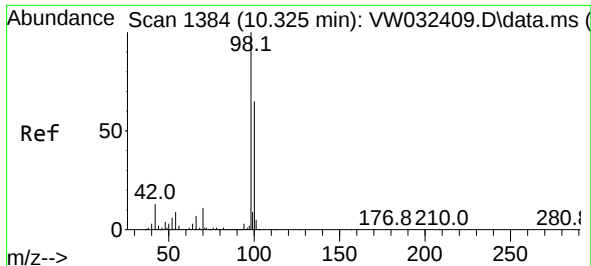
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 65.2 97.8#

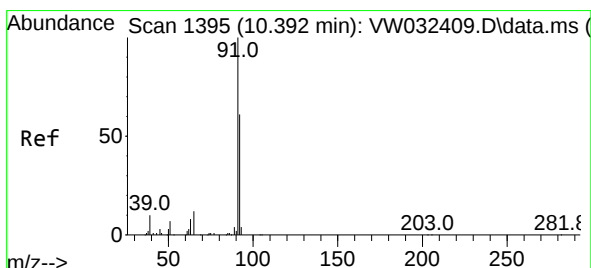
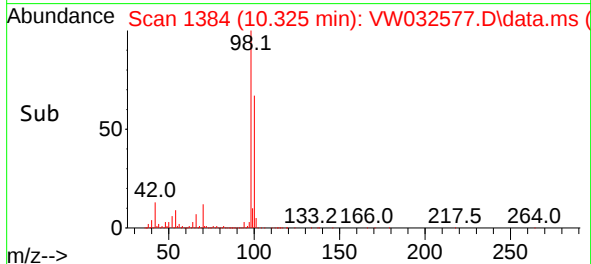
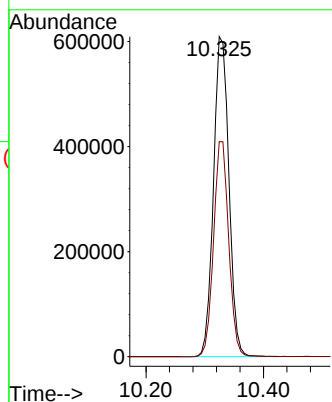
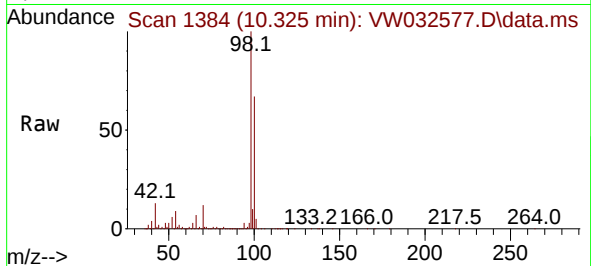




#50
Toluene-d8
Concen: 42.595 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

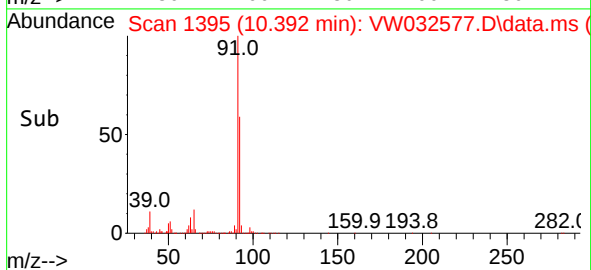
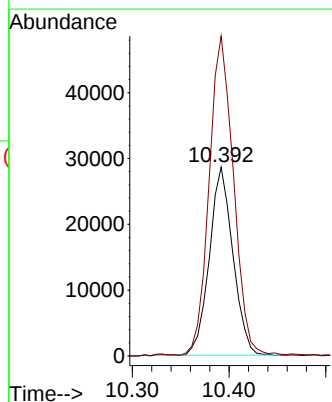
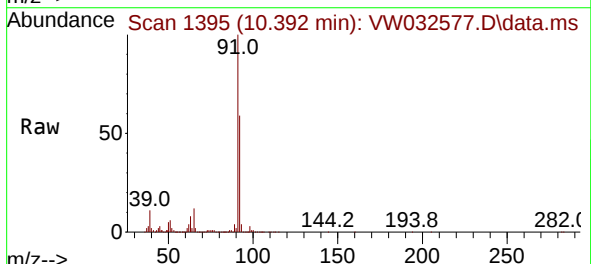
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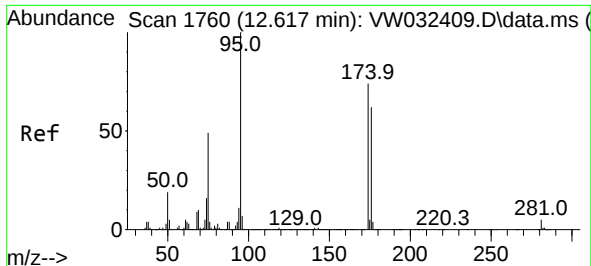
Tgt Ion: 98 Resp: 1109831
Ion Ratio Lower Upper
98 100
100 66.0 54.7 82.1



#52
Toluene
Concen: 2.380 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

Tgt Ion: 92 Resp: 48258
Ion Ratio Lower Upper
92 100
91 174.9 138.6 207.8

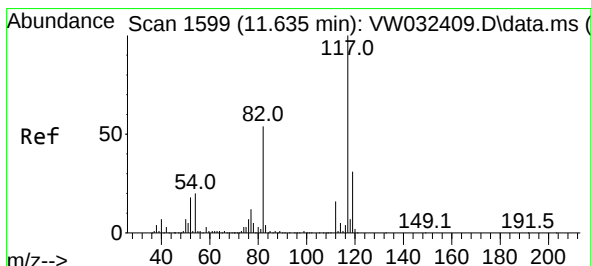
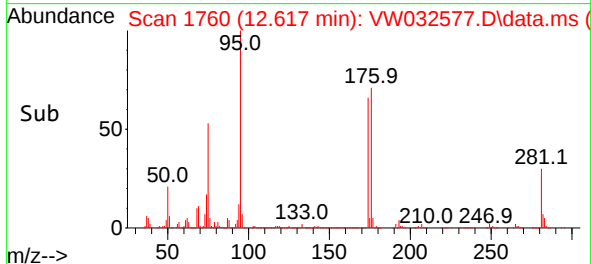
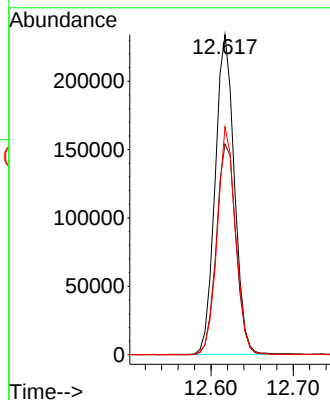
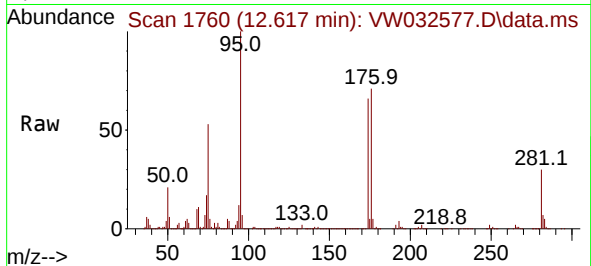




#62
4-Bromofluorobenzene
Concen: 39.414 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

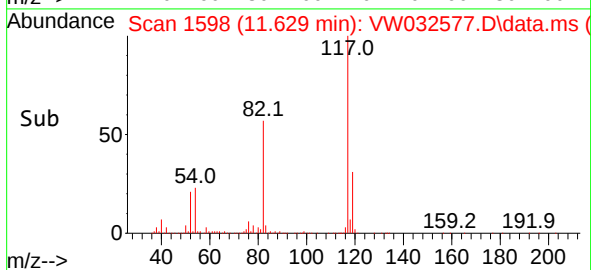
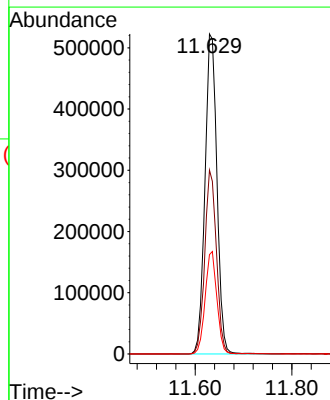
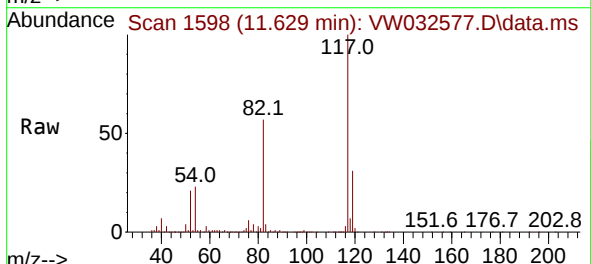
Instrument :
MSVOA_W
ClientSampleId :
OK-1242025-1

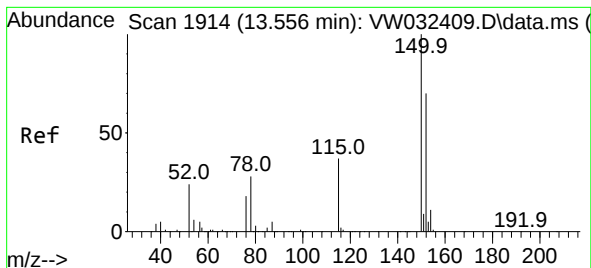
Tgt Ion: 95 Resp: 379418
Ion Ratio Lower Upper
95 100
174 67.2 0.0 141.2
176 67.9 0.0 130.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

Tgt Ion: 117 Resp: 898271
Ion Ratio Lower Upper
117 100
82 57.4 45.9 68.9
119 31.0 26.3 39.5

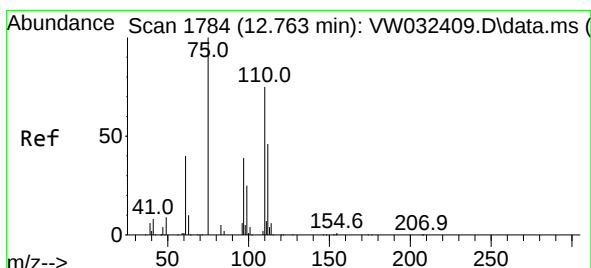
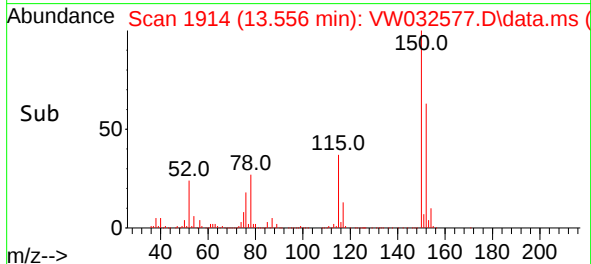
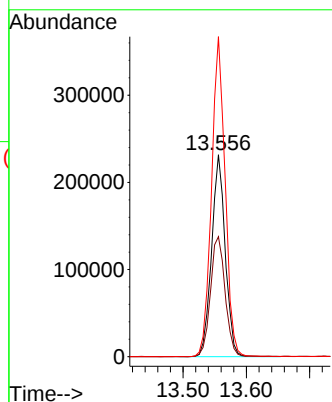
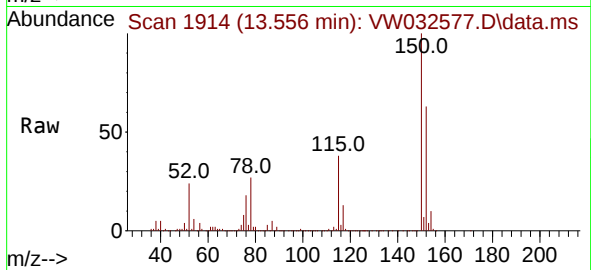




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032577.D
 Acq: 05 Dec 2025 14:06

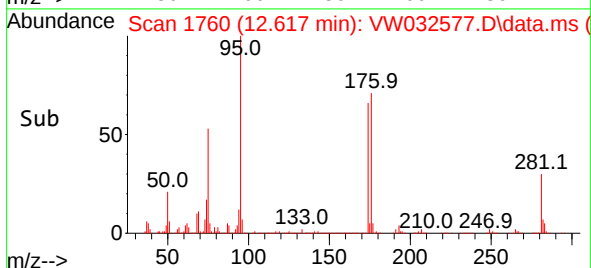
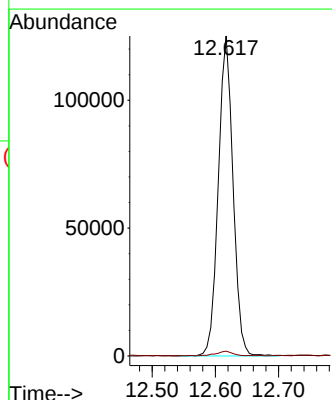
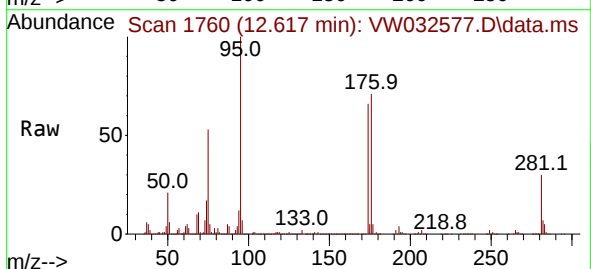
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-1242025-1

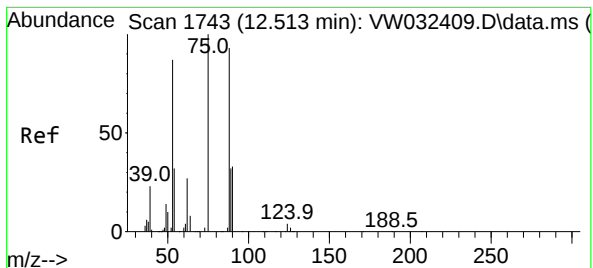
Tgt Ion:152 Resp: 347454
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.1 93.3
 150 157.9 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 42.908 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032577.D
 Acq: 05 Dec 2025 14:06

Tgt Ion: 75 Resp: 201737
 Ion Ratio Lower Upper
 75 100
 77 1.6 148.2 444.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.920 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032577.D
 Acq: 05 Dec 2025 14:06

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-1242025-1

Tgt Ion: 75 Resp: 201737
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.8 121.2#
 89 0.0 31.4 47.2#

