

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/A
 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)

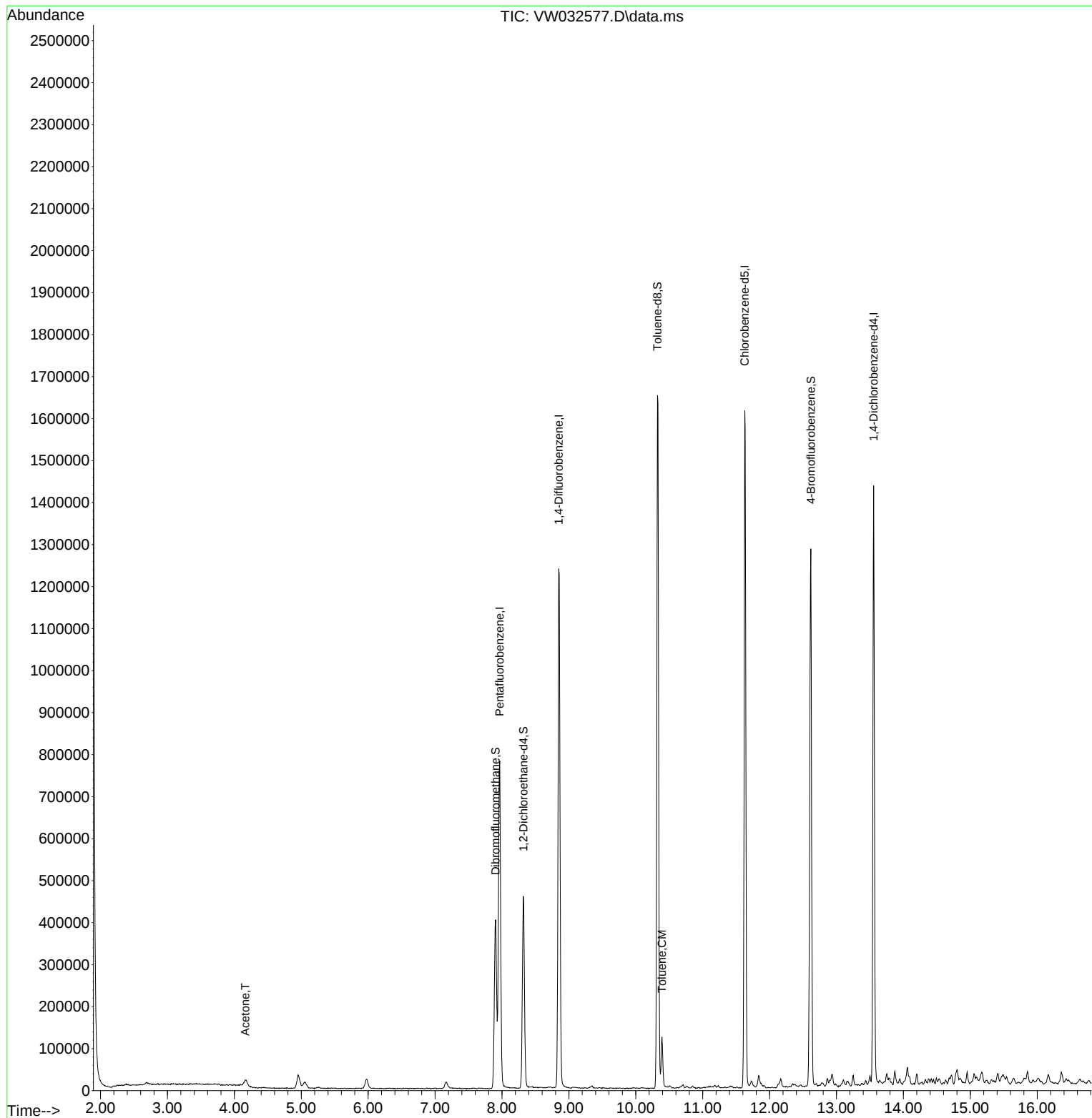
Internal Standards						
1) Pentafluorobenzene	7.965	168	548184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	1052231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	898271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	347454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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						
16) Acetone	4.161	43	24669	9.677	ug/l	100
52) Toluene	10.392	92	48258	2.380	ug/l	99

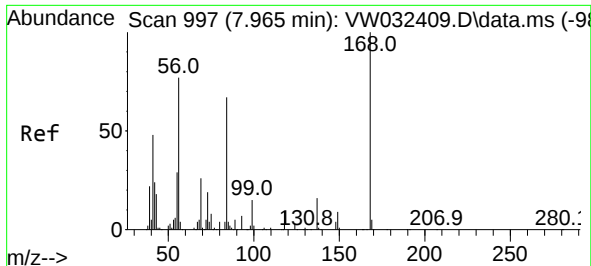
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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/A
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

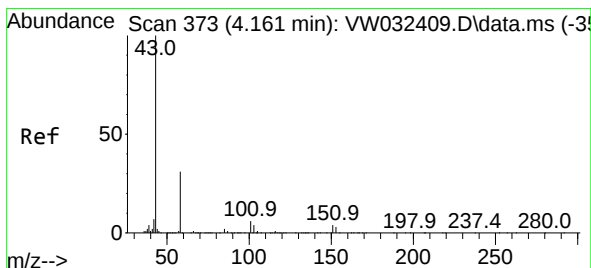
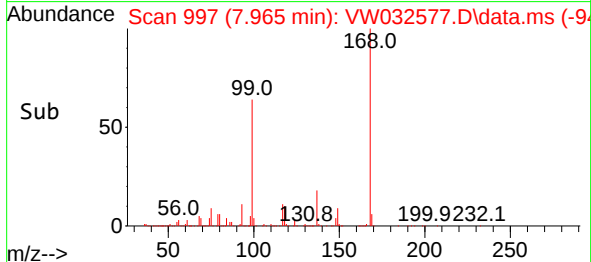
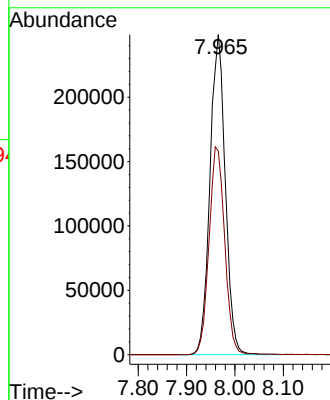
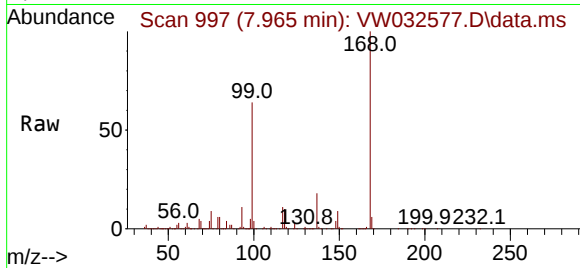




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

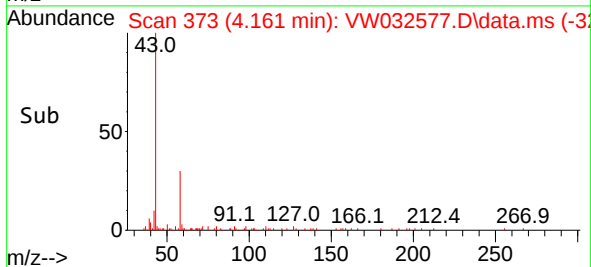
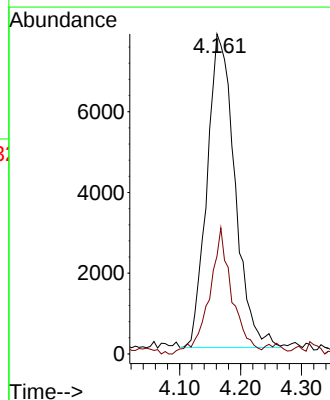
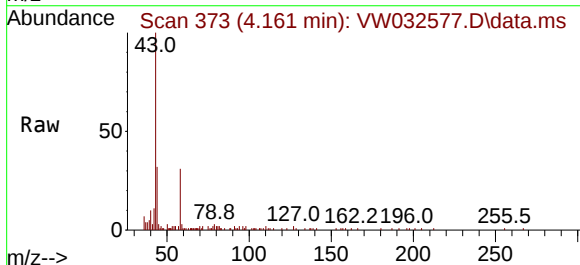
Instrument :
MSVOA_W
ClientSampleId :
OK-1242025-1

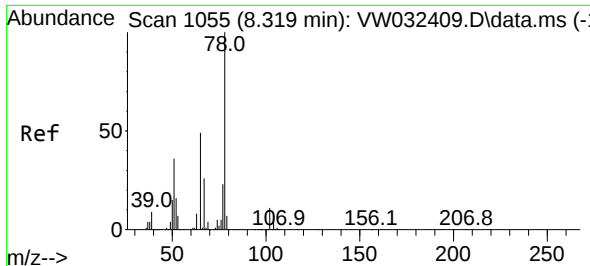
Tgt Ion:168 Resp: 548184
Ion Ratio Lower Upper
168 100
99 63.7 51.8 77.8



#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





#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 :

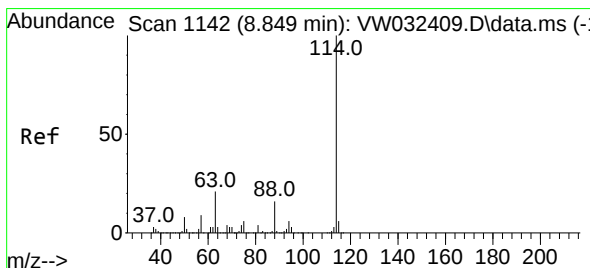
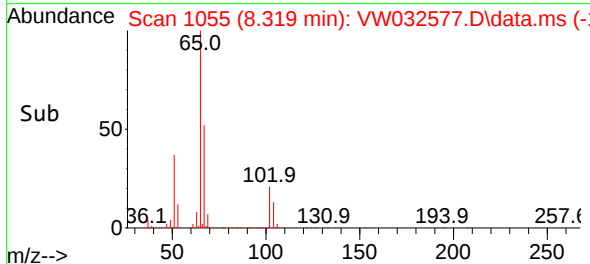
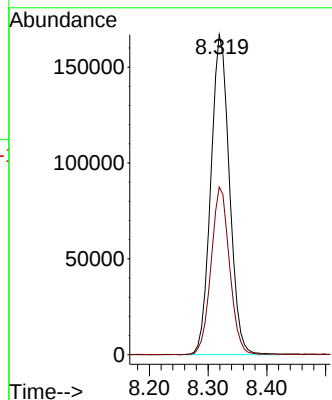
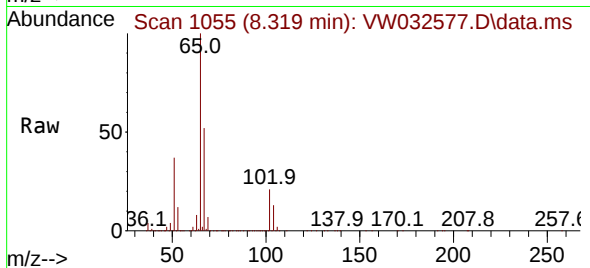
OK-1242025-1

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

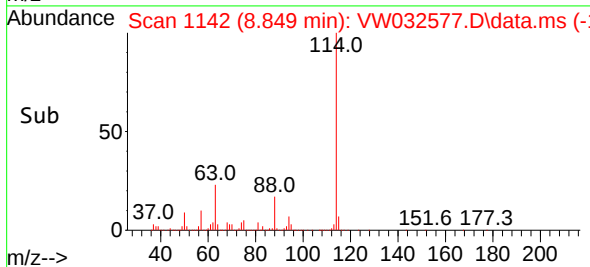
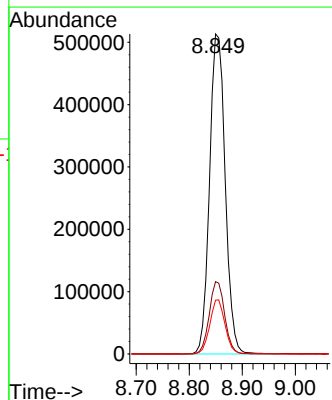
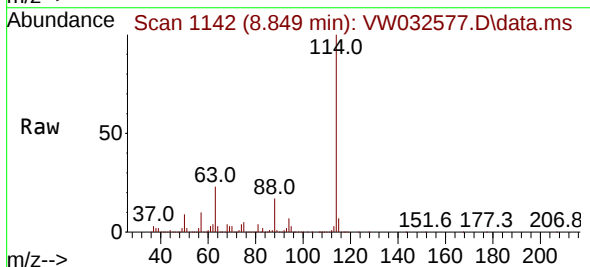
Tgt Ion: 114 Resp: 1052231

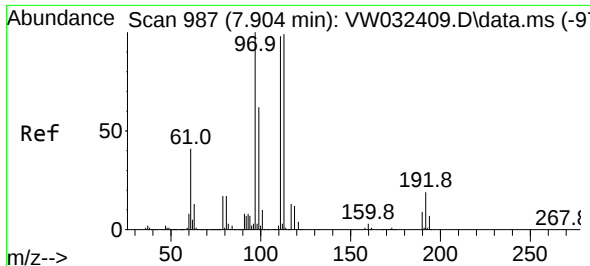
Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.6

88 16.8 0.0 31.2

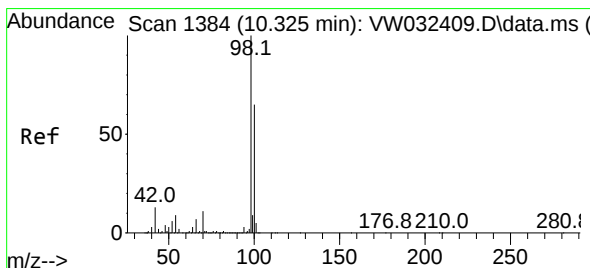
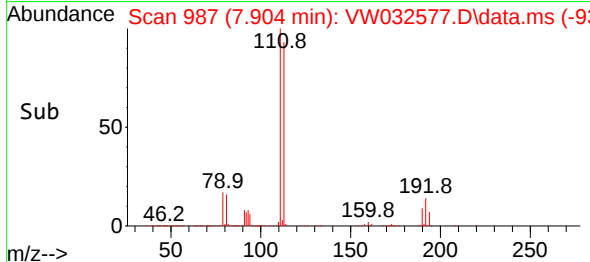
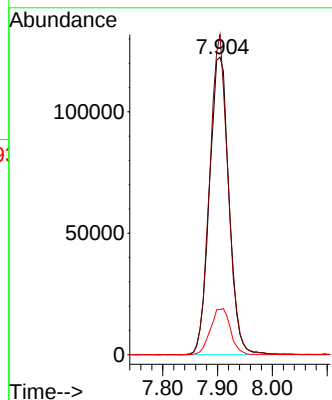
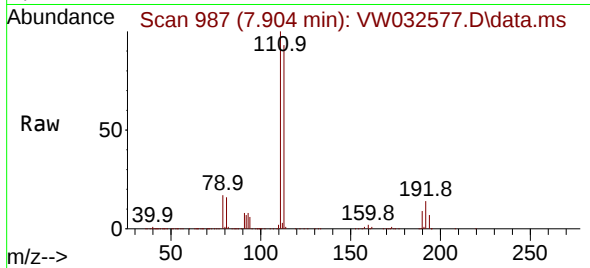




#35
Dibromofluoromethane
Concen: 43.709 ug/l
RT: 7.904 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

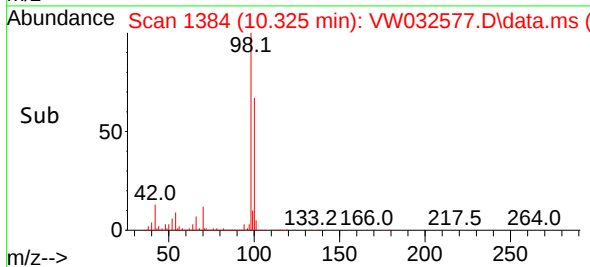
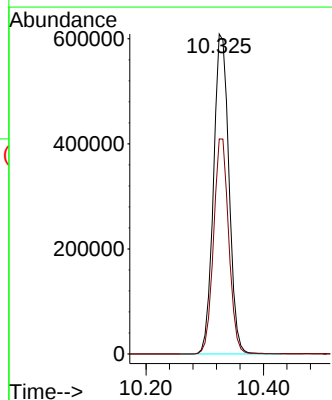
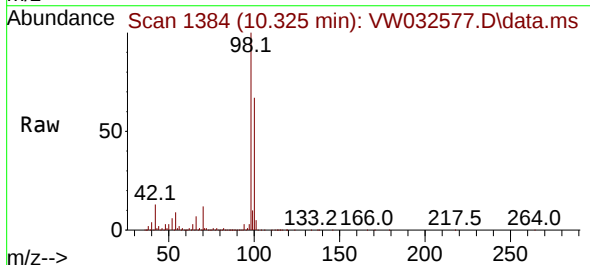
Instrument :
MSVOA_W
ClientSampleId :
OK-1242025-1

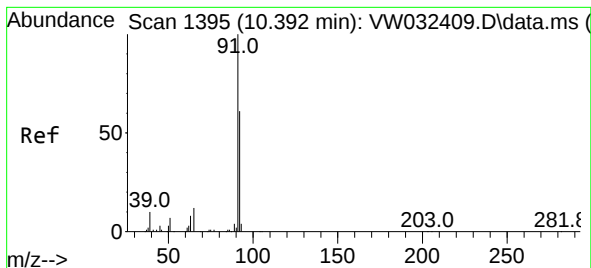
Tgt Ion:113 Resp: 302658
Ion Ratio Lower Upper
113 100
111 102.3 83.4 125.0
192 15.9 13.4 20.2



#50
Toluene-d8
Concen: 42.595 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032577.D
Acq: 05 Dec 2025 14:06

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

Instrument :

MSVOA_W

ClientSampleId :

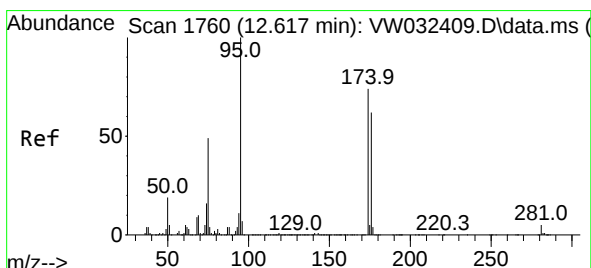
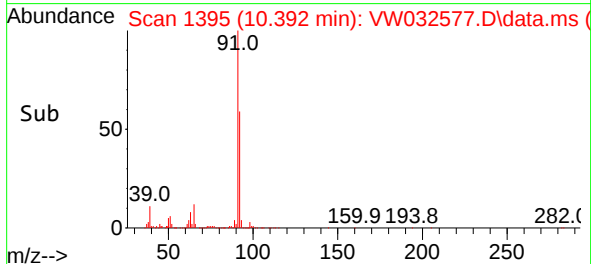
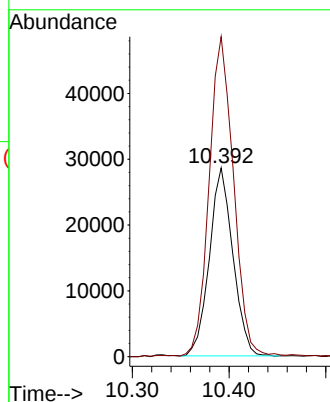
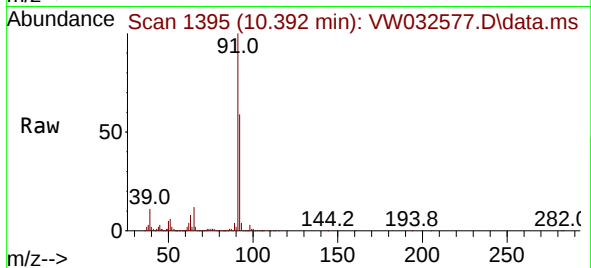
OK-1242025-1

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# 1760

Delta R.T. -0.000 min

Lab File: VW032577.D

Acq: 05 Dec 2025 14:06

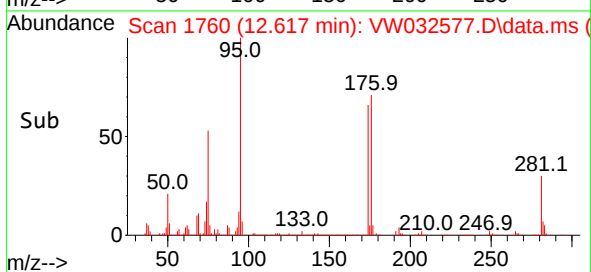
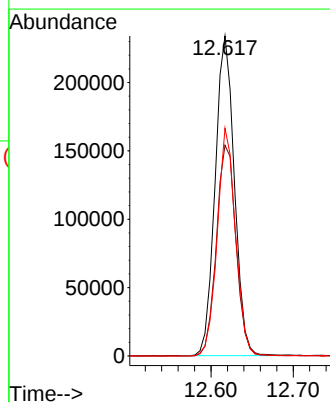
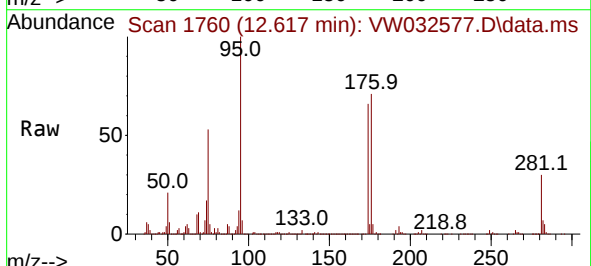
Tgt Ion: 95 Resp: 379418

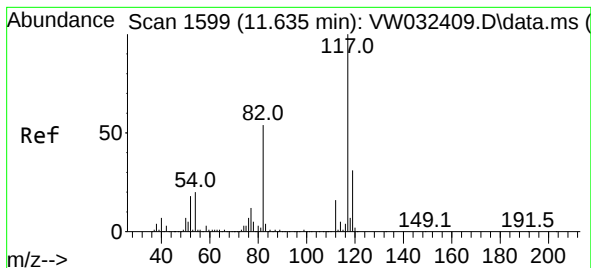
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: VW032577.D

Acq: 05 Dec 2025 14:06

Instrument :

MSVOA_W

ClientSampleId :

OK-1242025-1

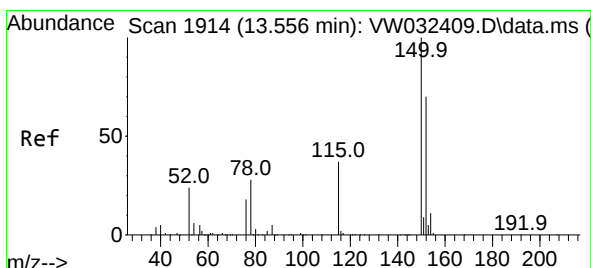
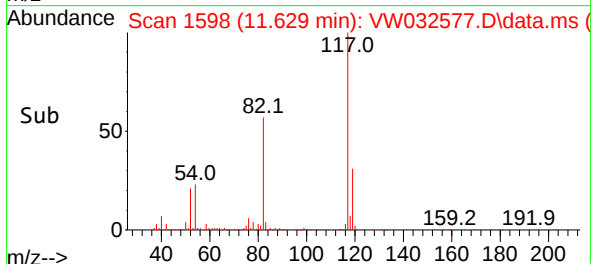
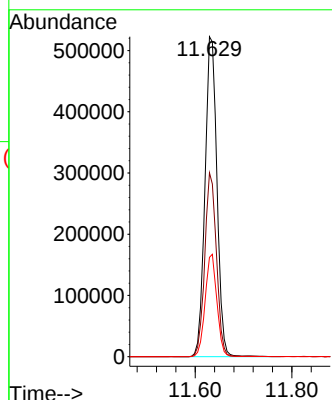
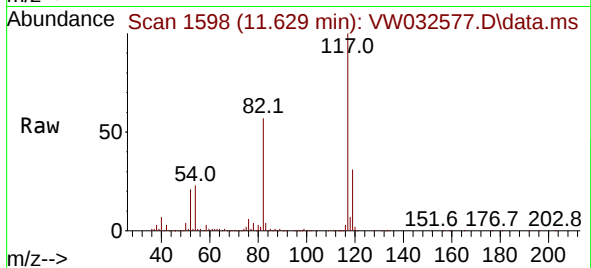
Tgt Ion:117 Resp: 898271

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

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

