

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032160.D
 Acq On : 28 Aug 2025 15:09
 Operator : SY/MD
 Sample : Q2979-01
 Misc : 5.05g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-A

Quant Time: Aug 29 01:20:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

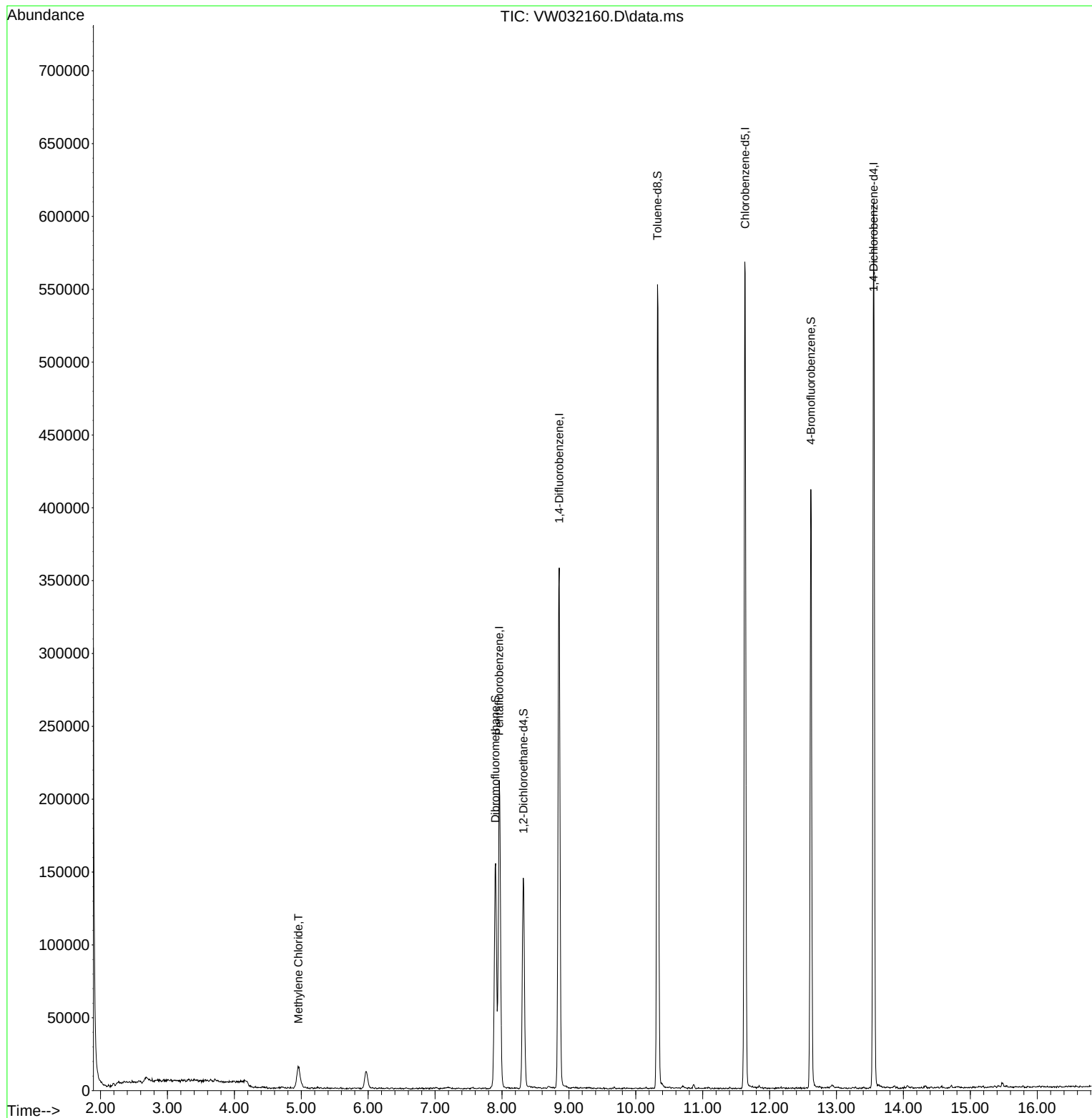
Internal Standards						
1) Pentafluorobenzene	7.959	168	143990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	301817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	300374	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	154881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123102	59.780	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.560%		
35) Dibromofluoromethane	7.898	113	107632	50.829	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.660%		
50) Toluene-d8	10.325	98	365358	49.150	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 98.300%		
62) 4-Bromofluorobenzene	12.617	95	136476	49.649	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 99.300%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.960	84	13916	4.102	ug/l	89

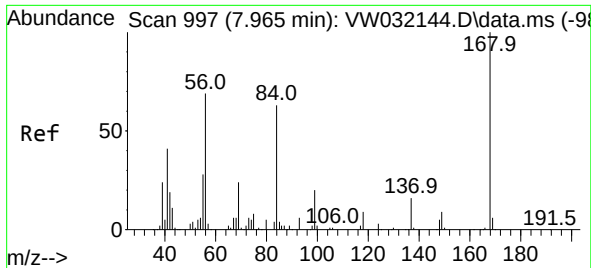
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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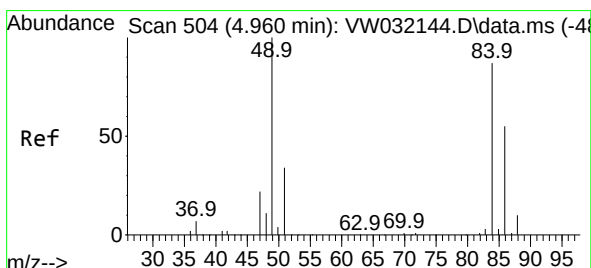
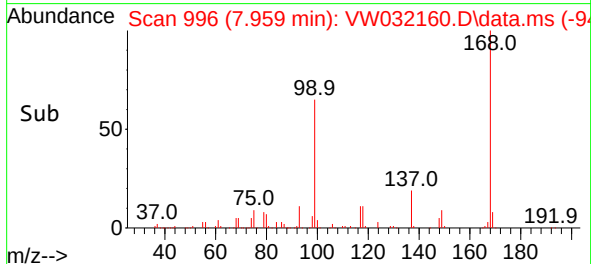
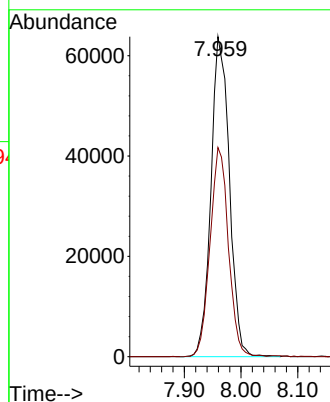
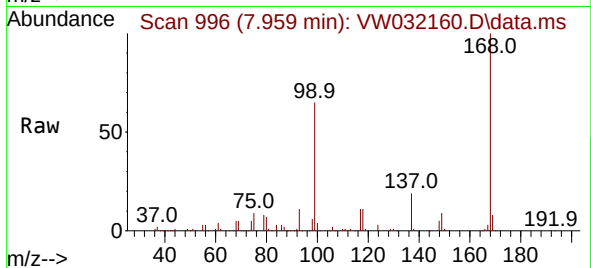




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:09

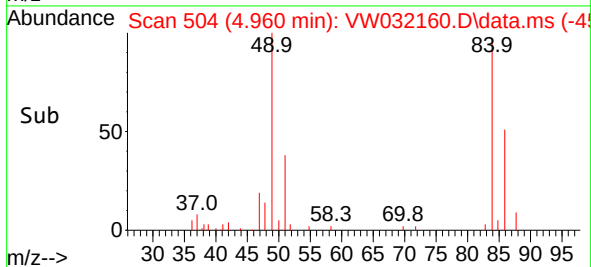
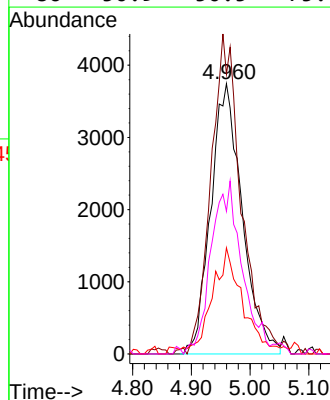
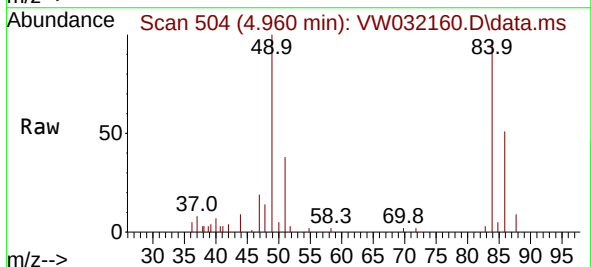
Instrument :
MSVOA_W
ClientSampleId :
SP-A

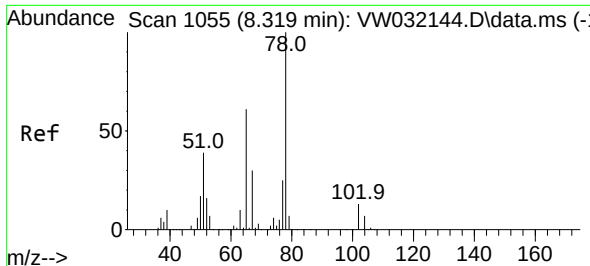
Tgt Ion:168 Resp: 143990
Ion Ratio Lower Upper
168 100
99 65.3 49.3 73.9



#20
Methylene Chloride
Concen: 4.102 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:09

Tgt Ion: 84 Resp: 13916
Ion Ratio Lower Upper
84 100
49 102.0 92.2 138.4
51 37.6 31.0 46.6
86 50.9 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 59.780 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032160.D

Acq: 28 Aug 2025 15:09

Instrument :

MSVOA_W

ClientSampleId :

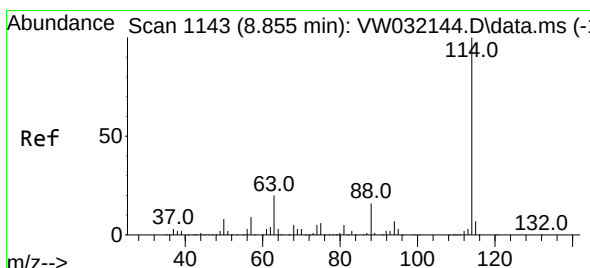
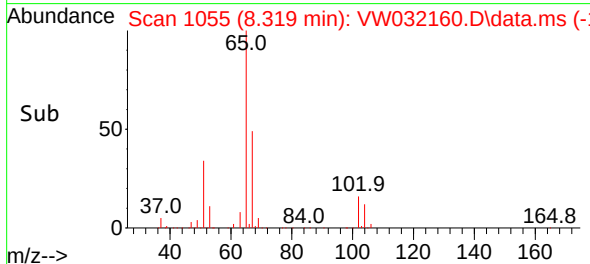
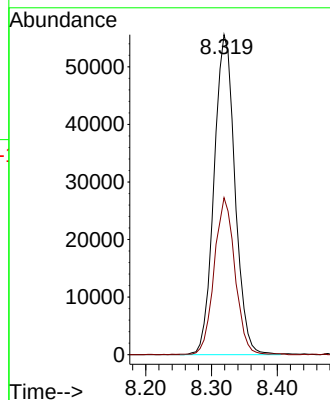
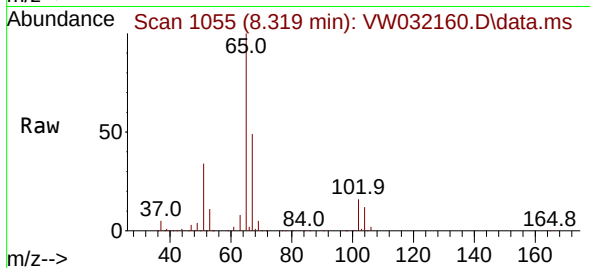
SP-A

Tgt Ion: 65 Resp: 123102

Ion Ratio Lower Upper

65 100

67 48.7 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: VW032160.D

Acq: 28 Aug 2025 15:09

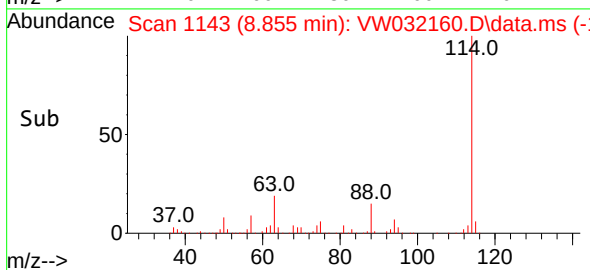
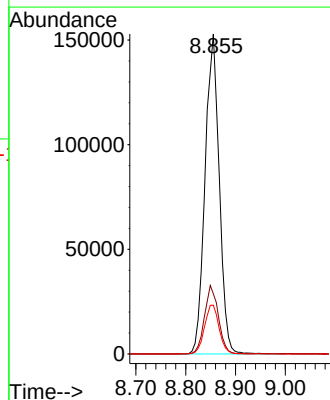
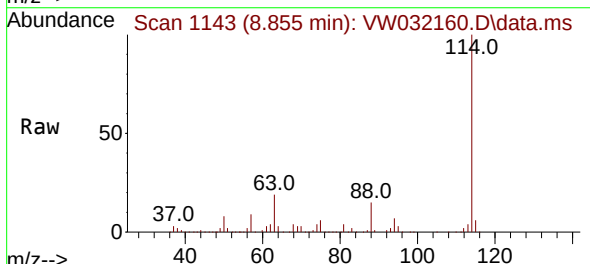
Tgt Ion: 114 Resp: 301817

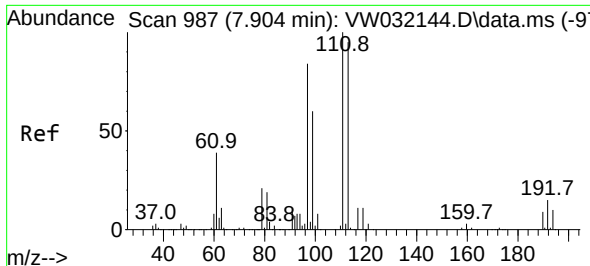
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.4

88 15.3 0.0 32.0

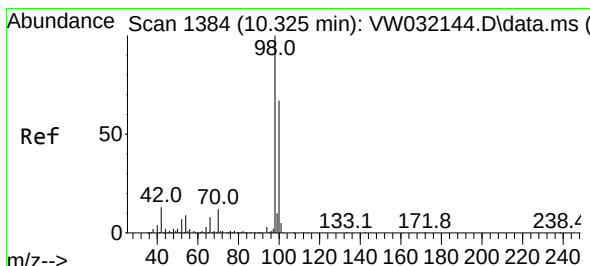
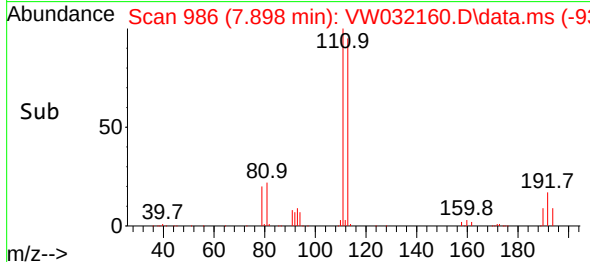
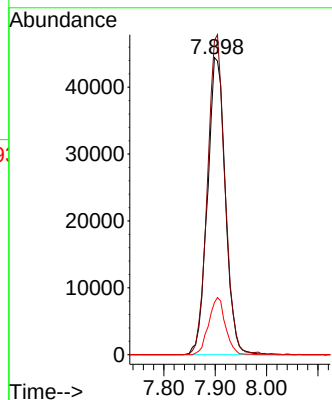
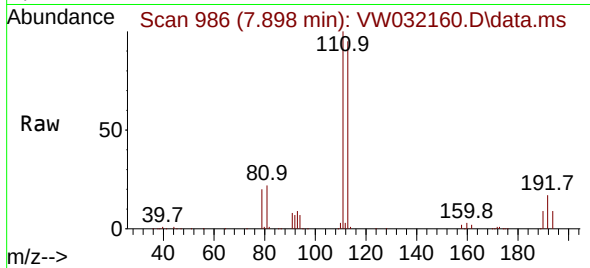




#35
 Dibromofluoromethane
 Concen: 50.829 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032160.D
 Acq: 28 Aug 2025 15:09

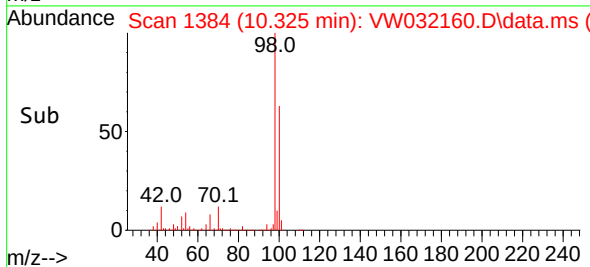
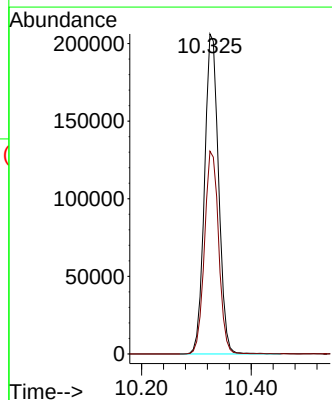
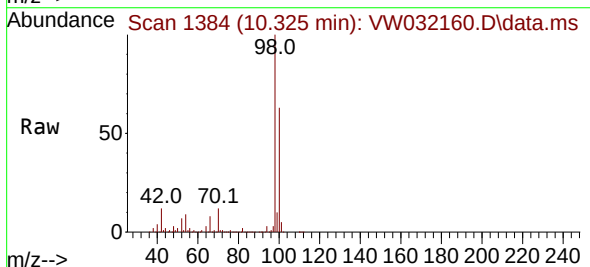
Instrument :
 MSVOA_W
 ClientSampleId :
 SP-A

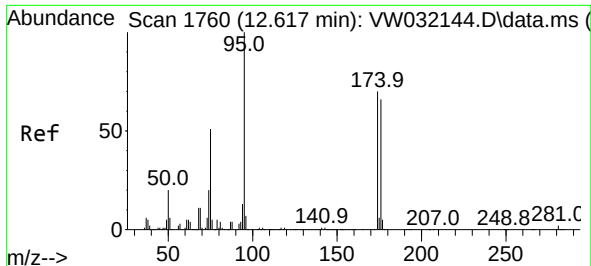
Tgt Ion:113 Resp: 107632
 Ion Ratio Lower Upper
 113 100
 111 104.9 83.9 125.9
 192 17.9 14.6 21.8



#50
 Toluene-d8
 Concen: 49.150 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032160.D
 Acq: 28 Aug 2025 15:09

Tgt Ion: 98 Resp: 365358
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.4 77.2

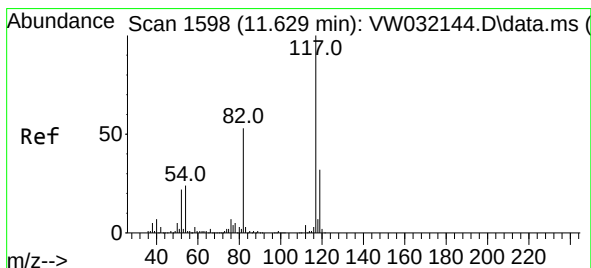
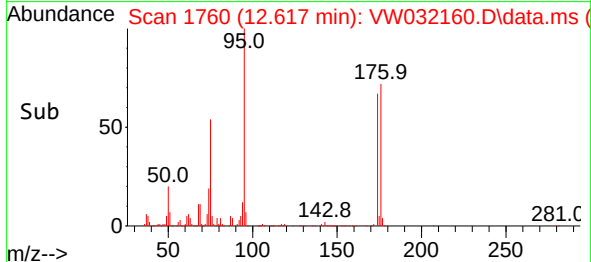
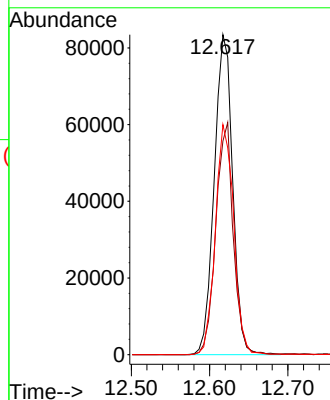
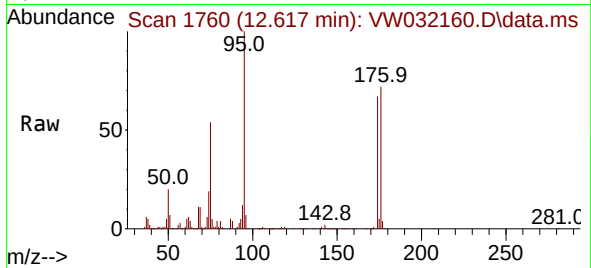




#62
4-Bromofluorobenzene
Concen: 49.649 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:09

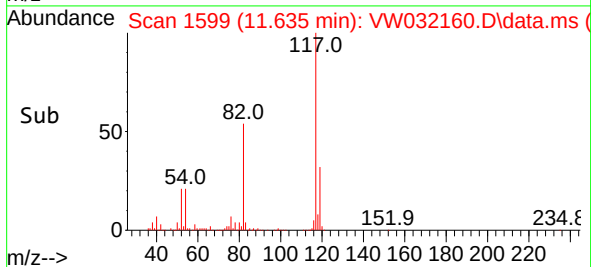
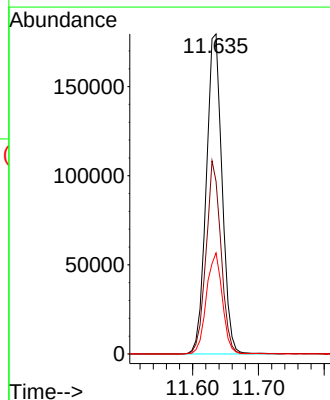
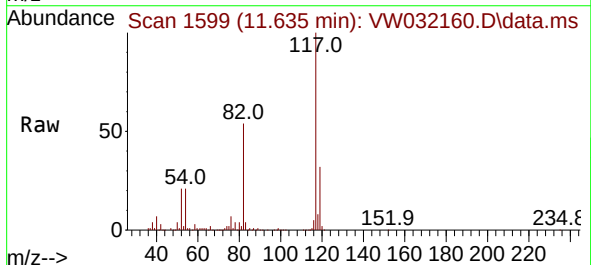
Instrument :
MSVOA_W
ClientSampleId :
SP-A

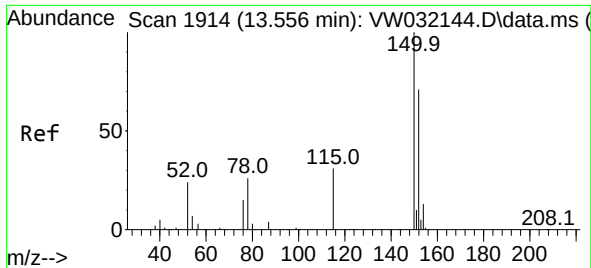
Tgt Ion: 95 Resp: 136476
Ion Ratio Lower Upper
95 100
174 69.0 0.0 145.6
176 71.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032160.D
Acq: 28 Aug 2025 15:09

Tgt Ion: 117 Resp: 300374
Ion Ratio Lower Upper
117 100
82 53.9 42.7 64.1
119 31.6 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: VW032160.D
 Acq: 28 Aug 2025 15:09

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-A

Tgt Ion:152 Resp: 154881
 Ion Ratio Lower Upper
 152 100
 115 60.0 31.8 95.4
 150 155.6 0.0 343.0

