

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032211.D
 Acq On : 19 Sep 2025 13:36
 Operator : SY/MD
 Sample : Q3145-01
 Misc : 5.07g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-A

Quant Time: Sep 19 23:09:08 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)

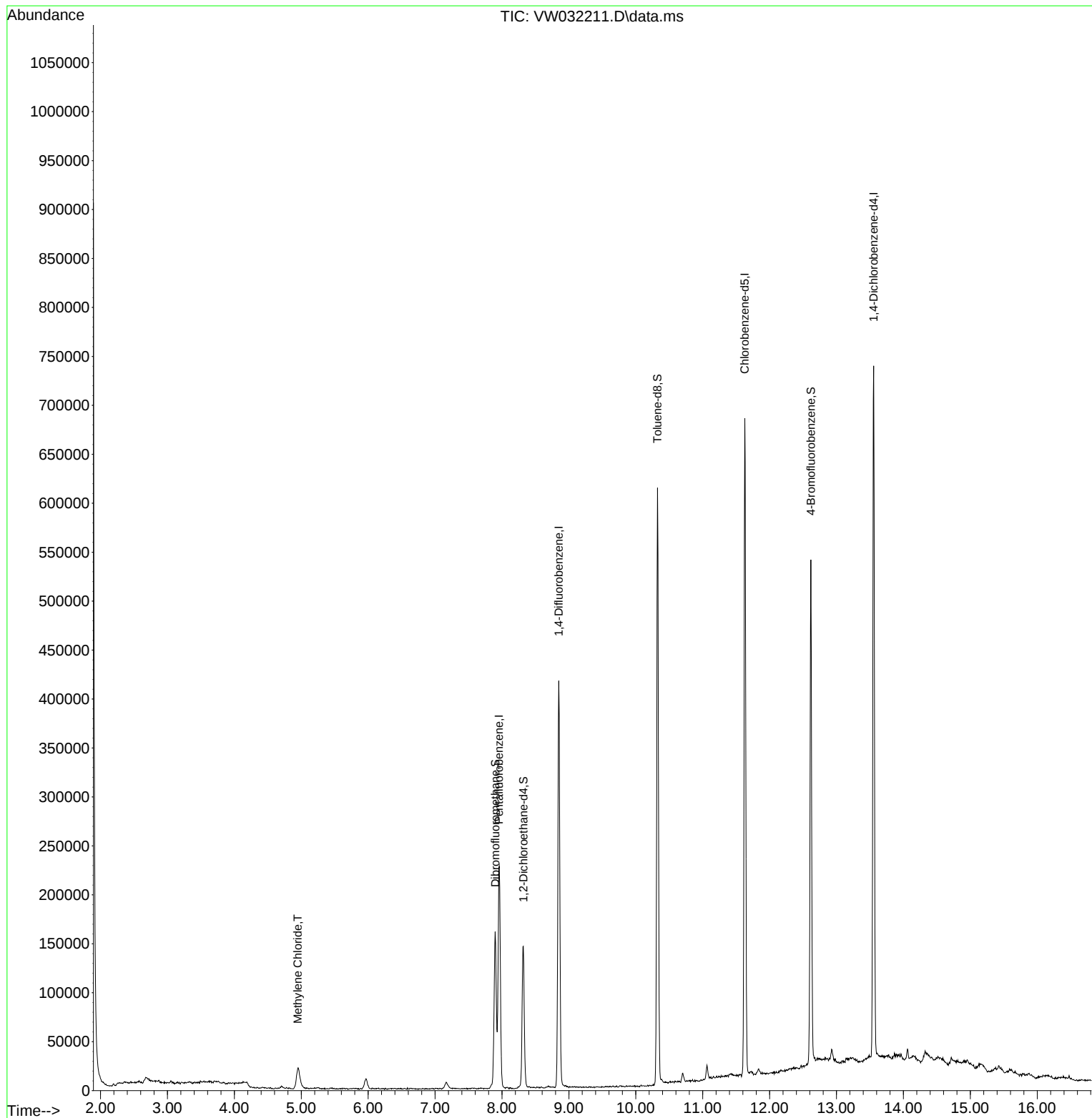
Internal Standards						
1) Pentafluorobenzene	7.953	168	161543	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	342282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	179138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121899	52.764	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	105.520%
35) Dibromofluoromethane	7.898	113	109785	45.717	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	91.440%
50) Toluene-d8	10.325	98	388210	46.050	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.100%
62) 4-Bromofluorobenzene	12.617	95	165371	53.049	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	106.100%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.948	84	18851	5.755	ug/l	94

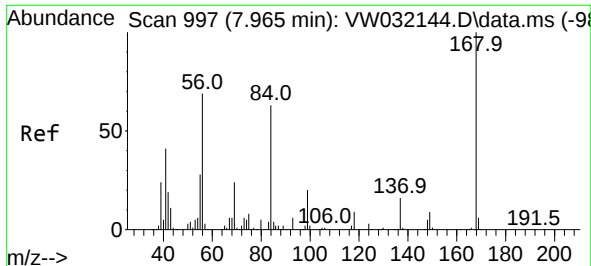
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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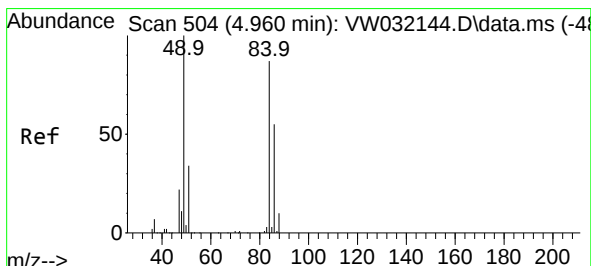
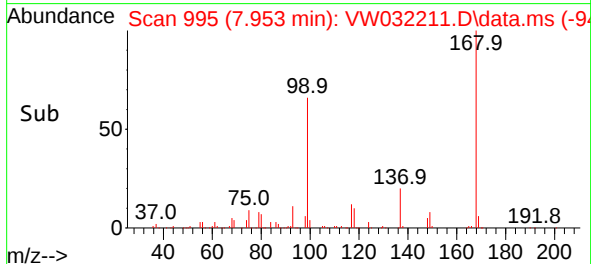
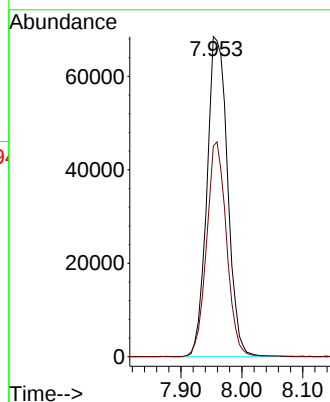
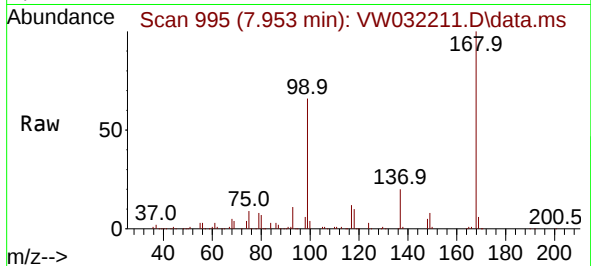




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 99
Delta R.T. -0.012 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

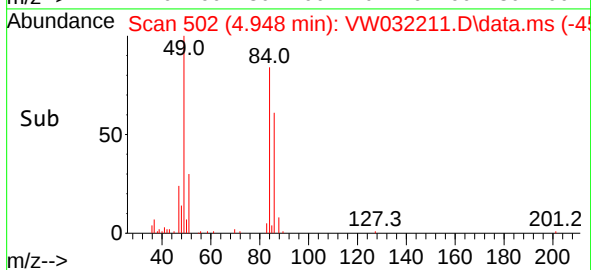
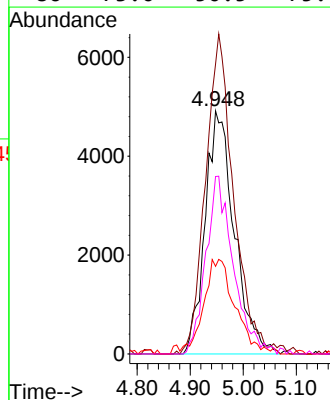
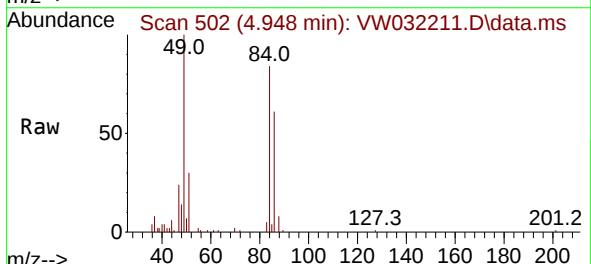
Instrument :
MSVOA_W
ClientSampleId :
SP-A

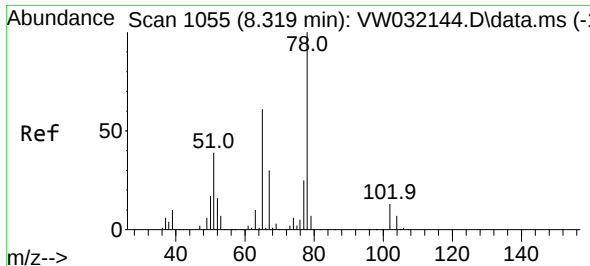
Tgt Ion:168 Resp: 161543
Ion Ratio Lower Upper
168 100
99 65.9 49.3 73.9



#20
Methylene Chloride
Concen: 5.755 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.012 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

Tgt Ion: 84 Resp: 18851
Ion Ratio Lower Upper
84 100
49 119.3 92.2 138.4
51 36.1 31.0 46.6
86 73.0 50.5 75.7





#33

1,2-Dichloroethane-d4

Concen: 52.764 ug/l

RT: 8.319 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VW032211.D

Acq: 19 Sep 2025 13:36

Instrument :

MSVOA_W

ClientSampleId :

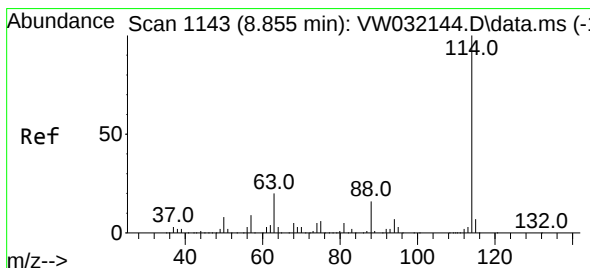
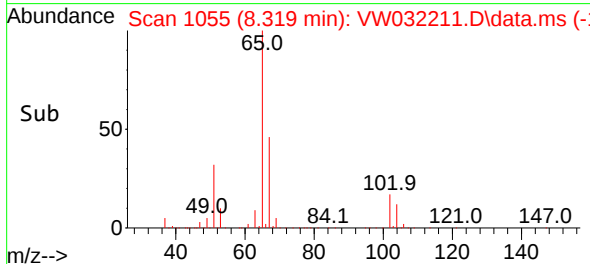
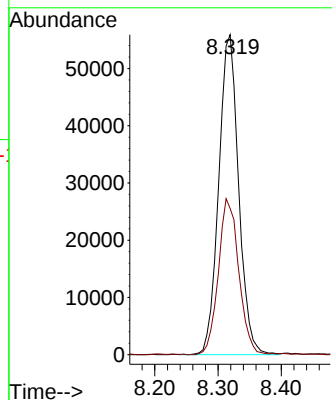
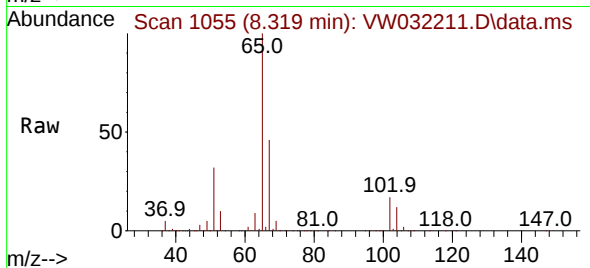
SP-A

Tgt Ion: 65 Resp: 121899

Ion Ratio Lower Upper

65 100

67 50.0 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032211.D

Acq: 19 Sep 2025 13:36

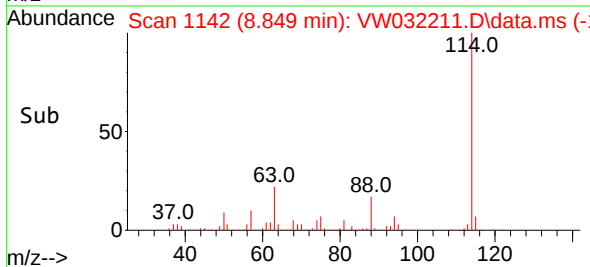
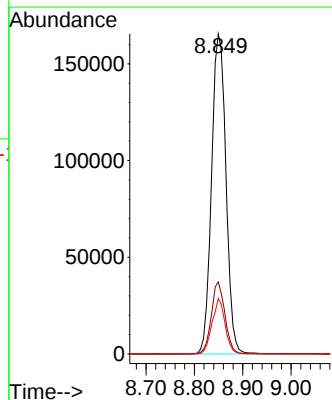
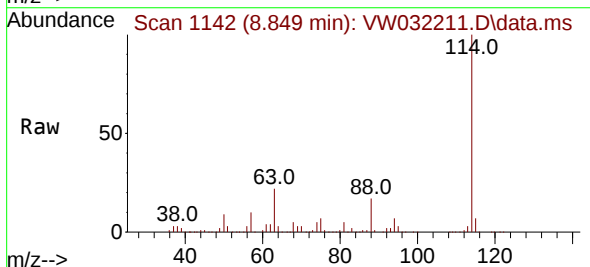
Tgt Ion: 114 Resp: 342282

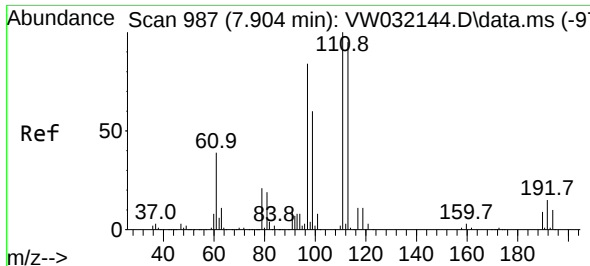
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.4

88 17.3 0.0 32.0

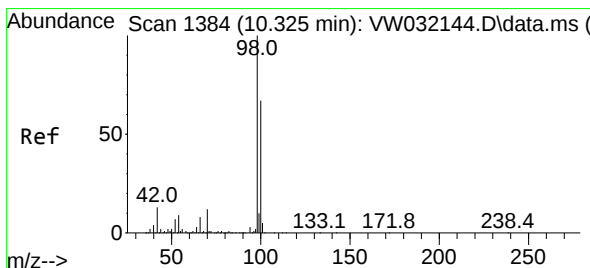
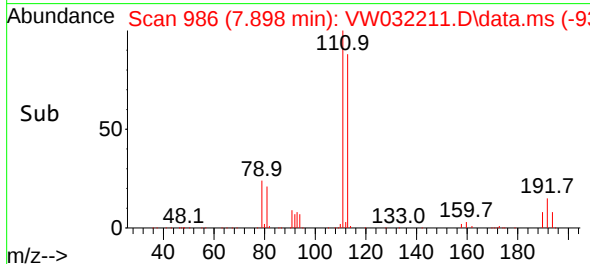
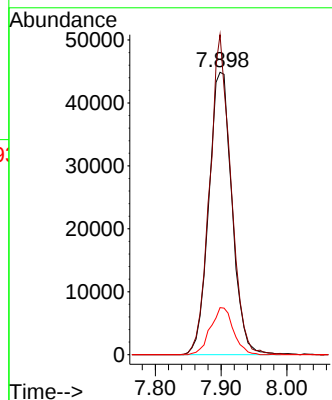
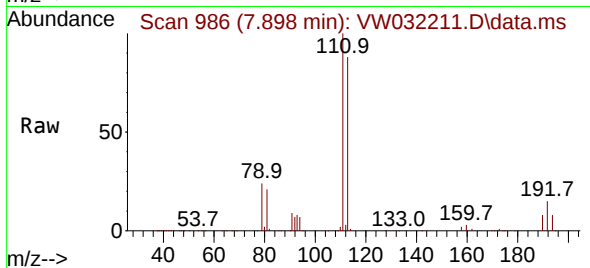




#35
 Dibromofluoromethane
 Concen: 45.717 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032211.D
 Acq: 19 Sep 2025 13:36

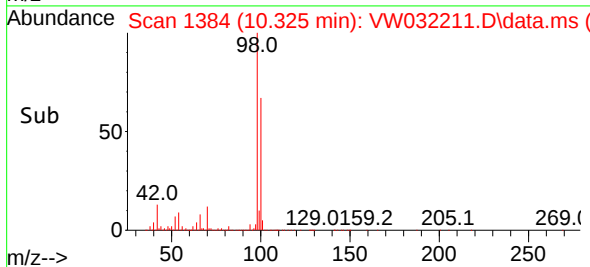
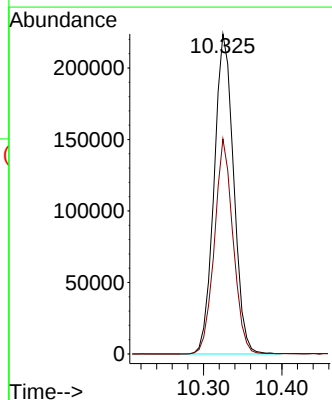
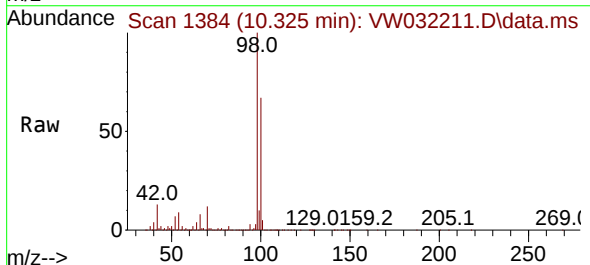
Instrument :
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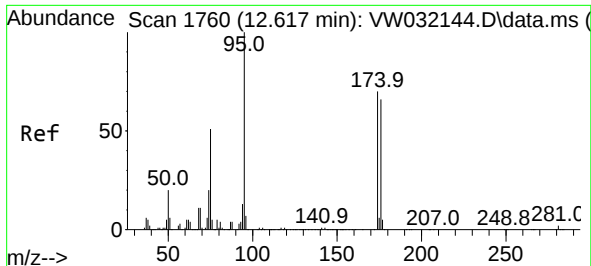
Tgt Ion:113 Resp: 109785
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.9 125.9
 192 16.5 14.6 21.8



#50
 Toluene-d8
 Concen: 46.050 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032211.D
 Acq: 19 Sep 2025 13:36

Tgt Ion: 98 Resp: 388210
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.4 77.2

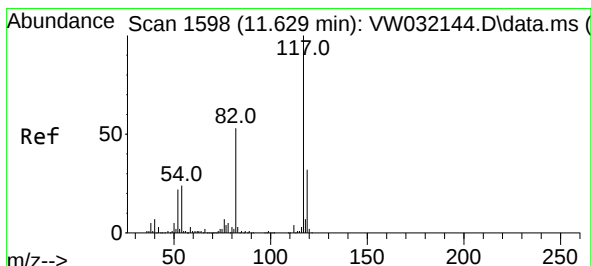
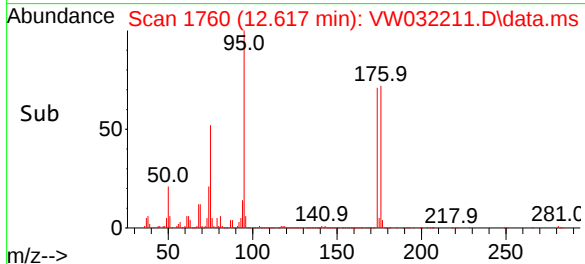
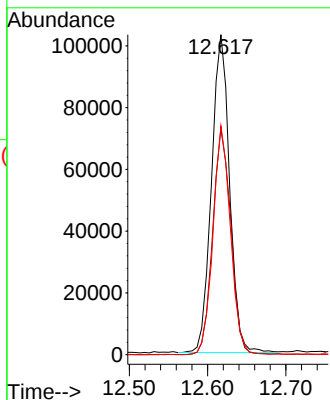
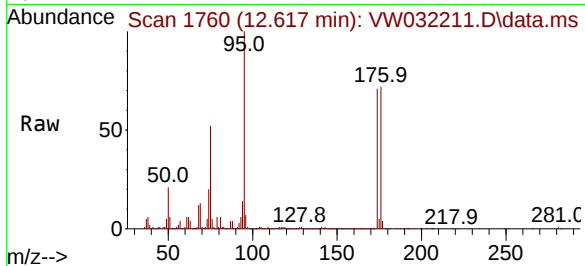




#62
4-Bromofluorobenzene
Concen: 53.049 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

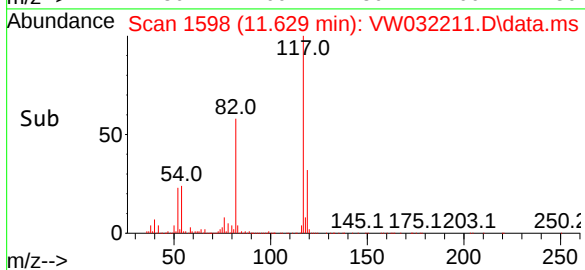
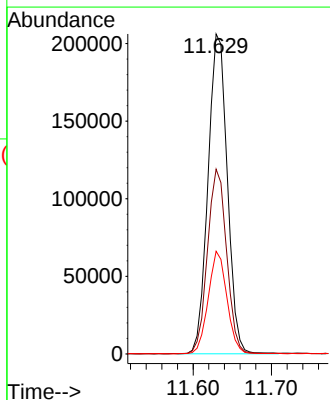
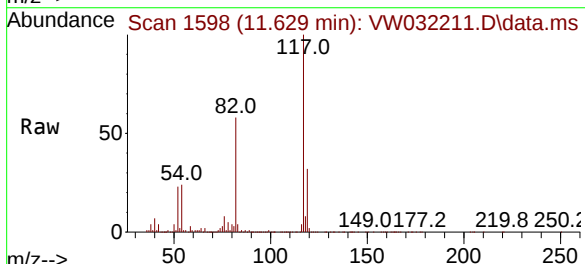
Instrument :
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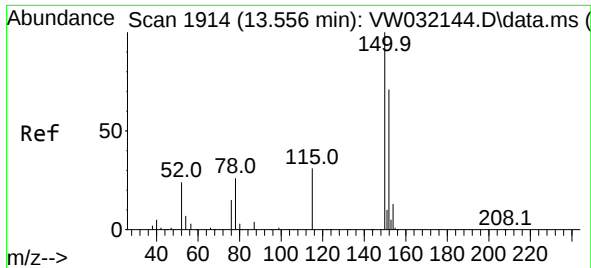
Tgt Ion: 95 Resp: 165371
Ion Ratio Lower Upper
95 100
174 72.0 0.0 145.6
176 69.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032211.D
Acq: 19 Sep 2025 13:36

Tgt Ion: 117 Resp: 352189
Ion Ratio Lower Upper
117 100
82 57.7 42.7 64.1
119 32.0 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: VW032211.D
 Acq: 19 Sep 2025 13:36

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-A

Tgt Ion:152 Resp: 179138
 Ion Ratio Lower Upper
 152 100
 115 64.1 31.8 95.4
 150 154.7 0.0 343.0

