

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032102.D
 Acq On : 14 Aug 2025 18:25
 Operator : SY/MD
 Sample : Q2820-19
 Misc : 9.63g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 88H-W

Quant Time: Aug 18 03:56:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

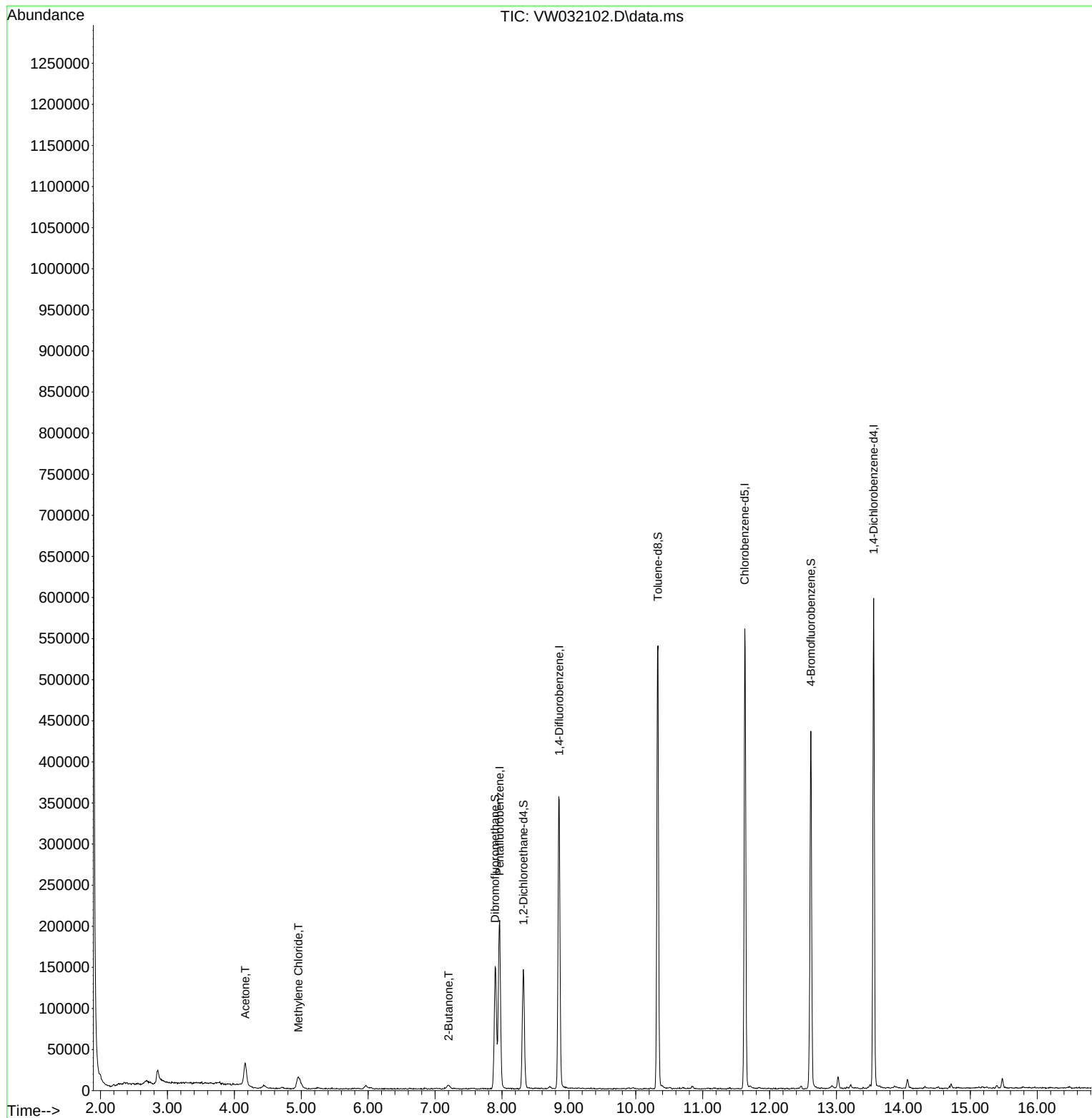
Internal Standards						
1) Pentafluorobenzene	7.965	168	140101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	295249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	289791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	144659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120615	59.526	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 119.060%		
35) Dibromofluoromethane	7.898	113	104033	54.541	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 109.080%		
50) Toluene-d8	10.331	98	354368	50.229	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 100.460%		
62) 4-Bromofluorobenzene	12.617	95	130042	50.019	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 100.040%		
Target Compounds						Qvalue
16) Acetone	4.161	43	47189	100.588	ug/l	90
20) Methylene Chloride	4.960	84	14172	6.534	ug/l	94
25) 2-Butanone	7.203	43	6261	9.390	ug/l	94

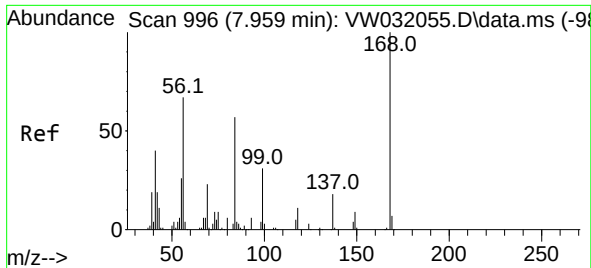
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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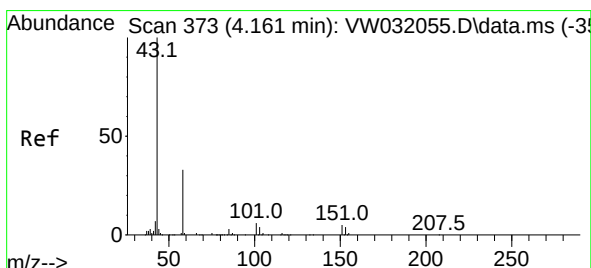
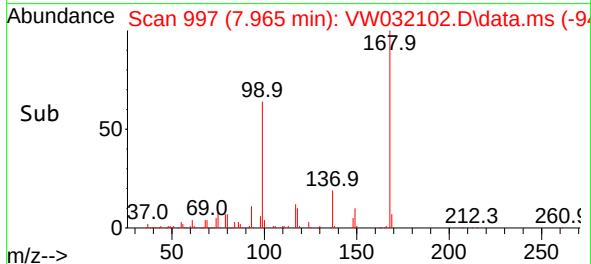
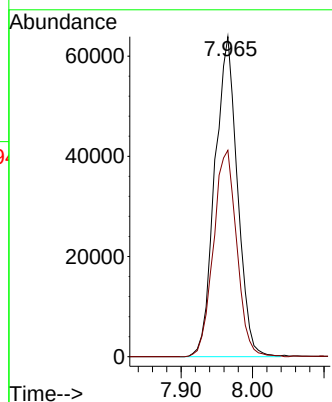
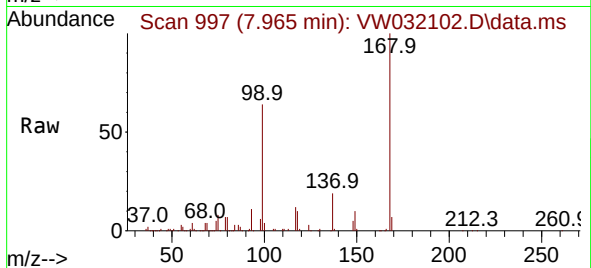




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

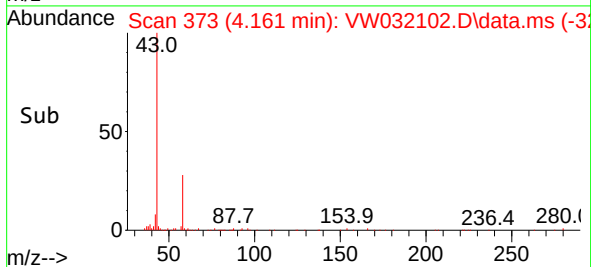
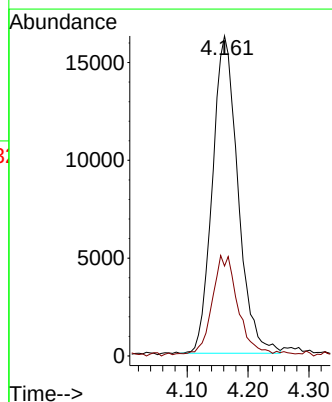
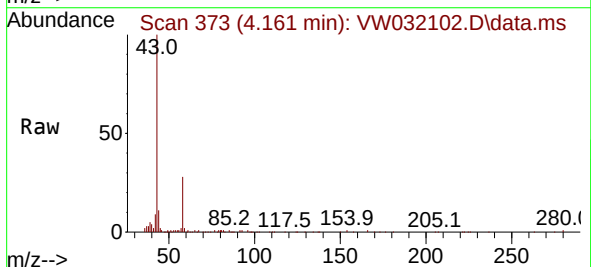
Instrument :
MSVOA_W
ClientSampleId :
88H-W

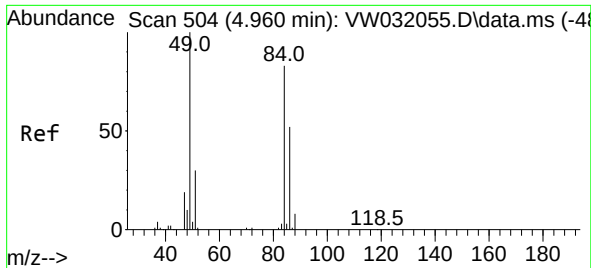
Tgt Ion:168 Resp: 140101
Ion Ratio Lower Upper
168 100
99 64.5 56.0 84.0



#16
Acetone
Concen: 100.588 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Tgt Ion: 43 Resp: 47189
Ion Ratio Lower Upper
43 100
58 27.6 26.6 39.8

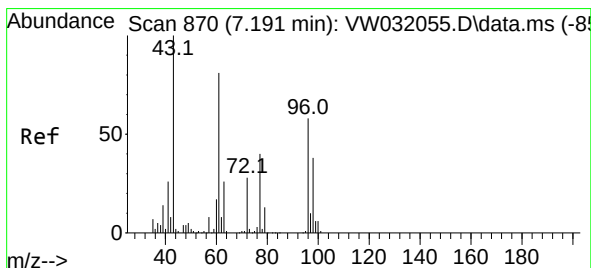
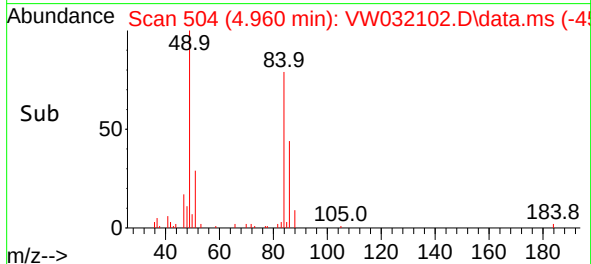
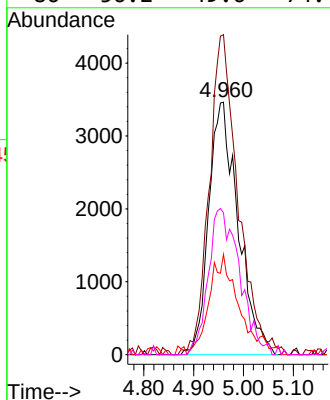
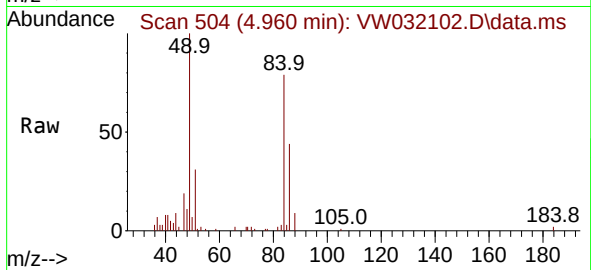




#20
Methylene Chloride
Concen: 6.534 ug/l
RT: 4.960 min Scan# 504
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

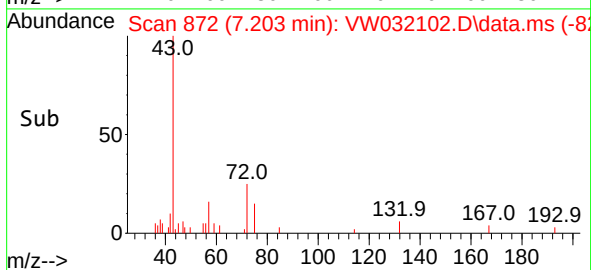
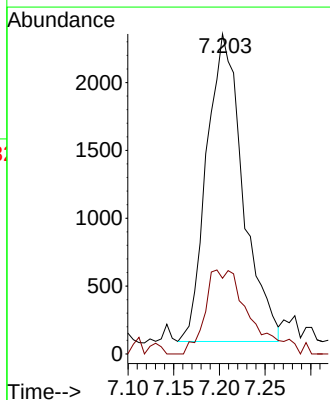
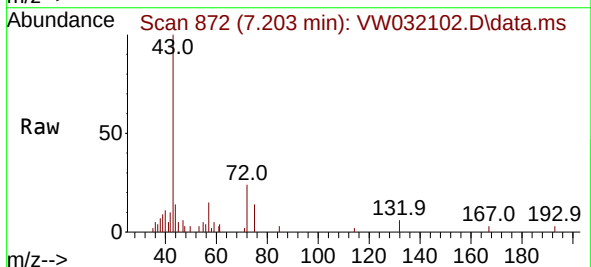
Instrument :
MSVOA_W
ClientSampleId :
88H-W

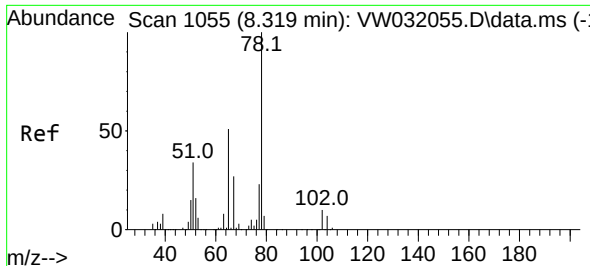
Tgt Ion:	84	Resp:	14172
Ion	Ratio	Lower	Upper
84	100		
49	126.8	95.9	143.9
51	36.3	28.6	43.0
86	56.2	49.6	74.4



#25
2-Butanone
Concen: 9.390 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Tgt Ion:	43	Resp:	6261
Ion	Ratio	Lower	Upper
43	100		
72	24.6	22.3	33.5

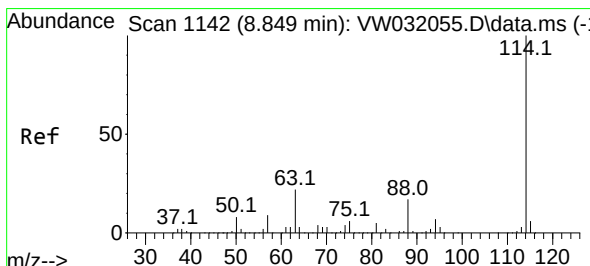
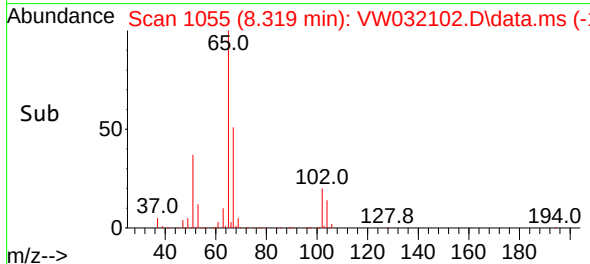
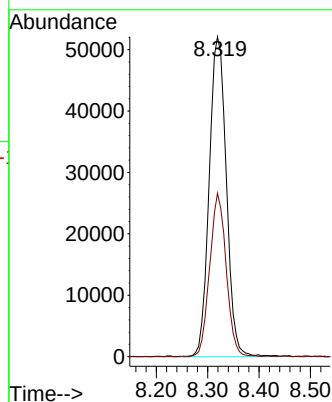
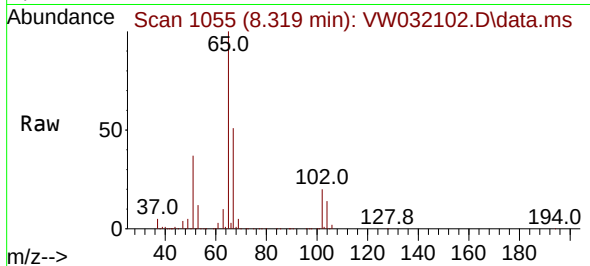




#33
 1,2-Dichloroethane-d4
 Concen: 59.526 ug/l
 RT: 8.319 min Scan# 1105
 Delta R.T. 0.000 min
 Lab File: VW032102.D
 Acq: 14 Aug 2025 18:25

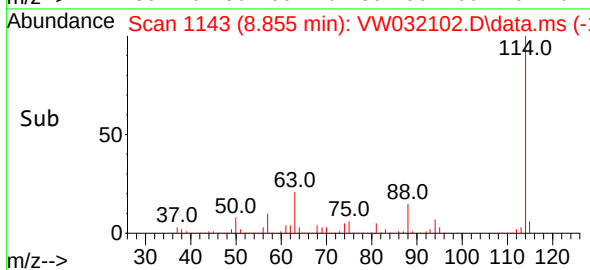
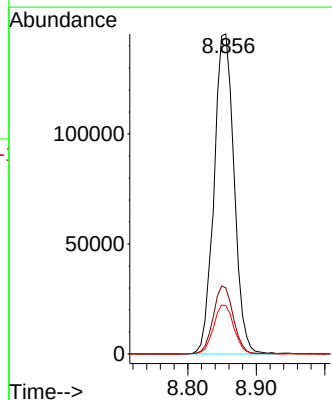
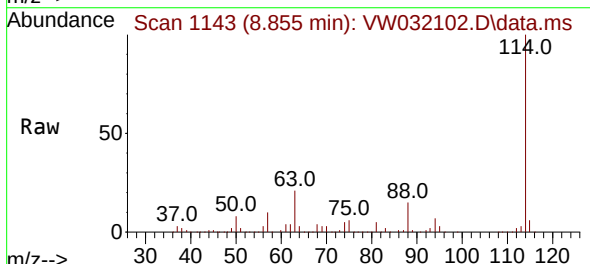
Instrument :
 MSVOA_W
 ClientSampleId :
 88H-W

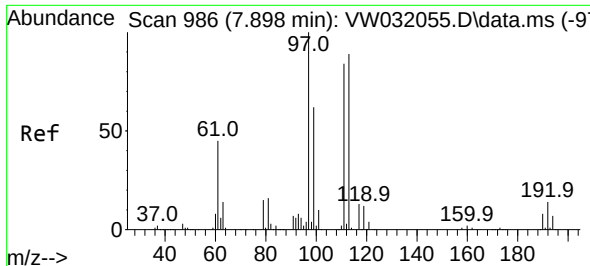
Tgt Ion: 65 Resp: 120615
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032102.D
 Acq: 14 Aug 2025 18:25

Tgt Ion: 114 Resp: 295249
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 43.0
 88 15.1 0.0 33.8

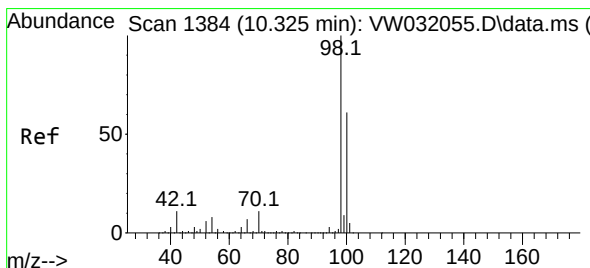
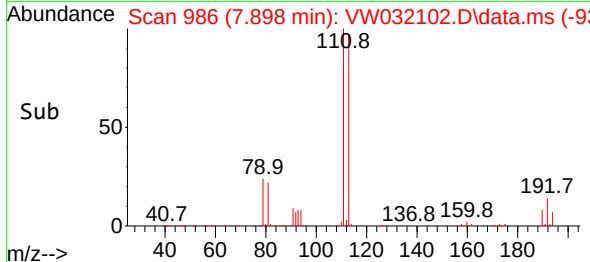
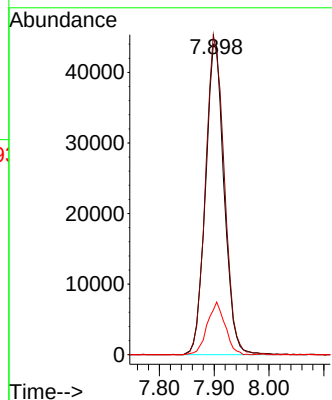
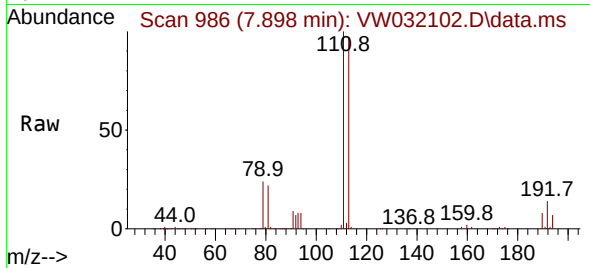




#35
Dibromofluoromethane
Concen: 54.541 ug/l
RT: 7.898 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

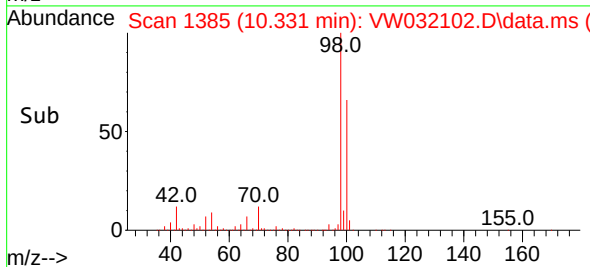
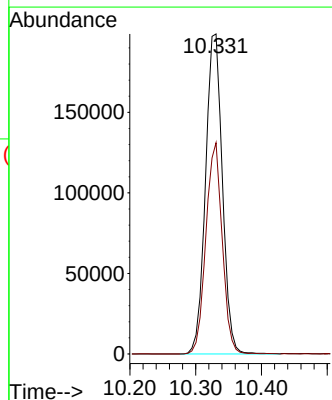
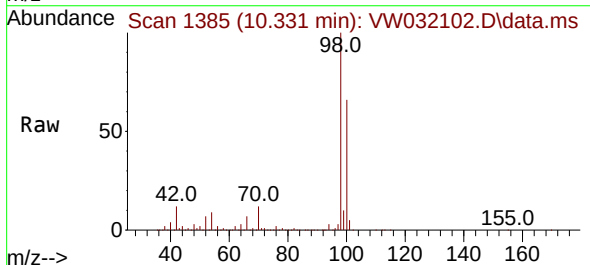
Instrument :
MSVOA_W
ClientSampleId :
88H-W

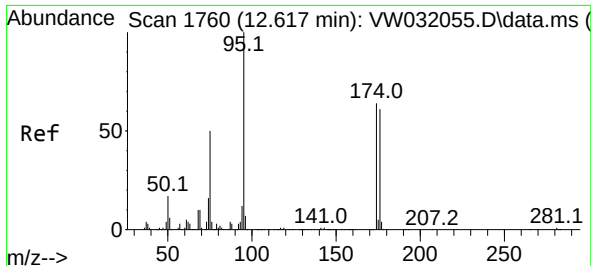
Tgt Ion:113 Resp: 104033
Ion Ratio Lower Upper
113 100
111 103.6 80.1 120.1
192 16.2 13.1 19.7



#50
Toluene-d8
Concen: 50.229 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

Tgt Ion: 98 Resp: 354368
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7

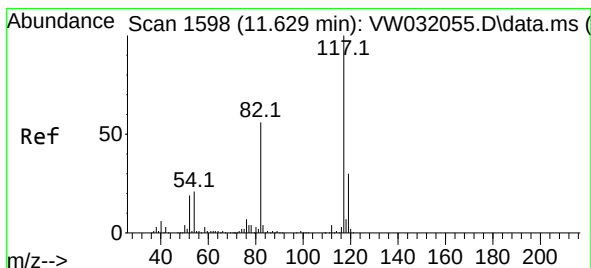
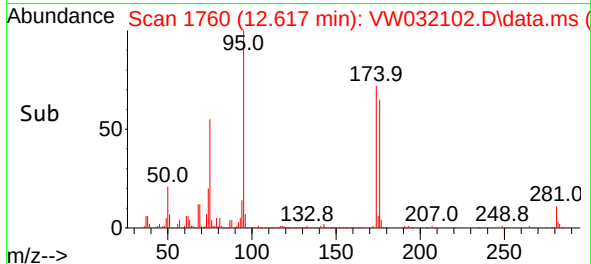
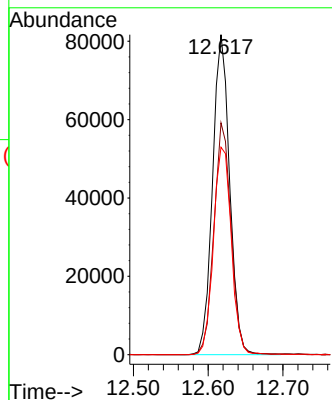
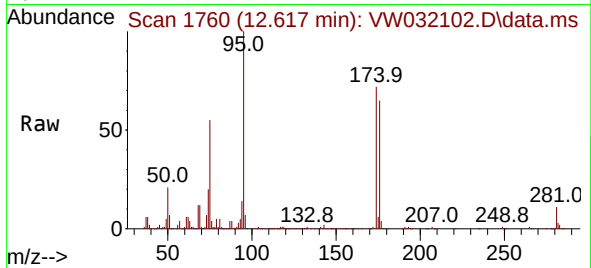




#62
4-Bromofluorobenzene
Concen: 50.019 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

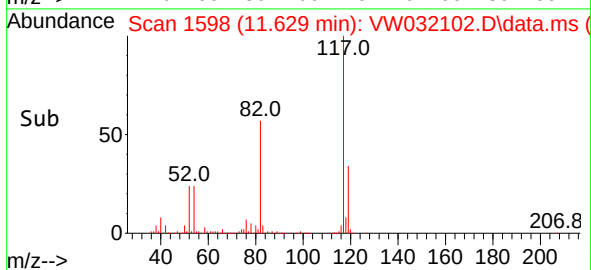
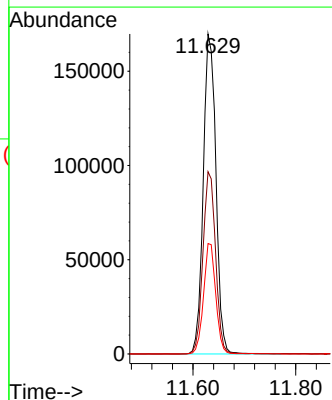
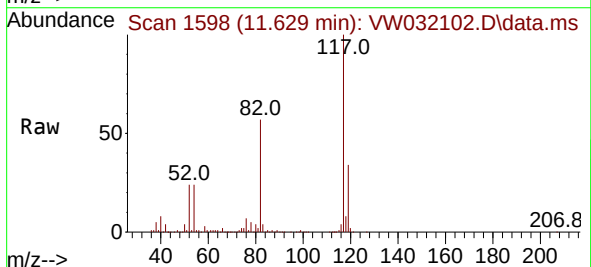
Instrument :
MSVOA_W
ClientSampleId :
88H-W

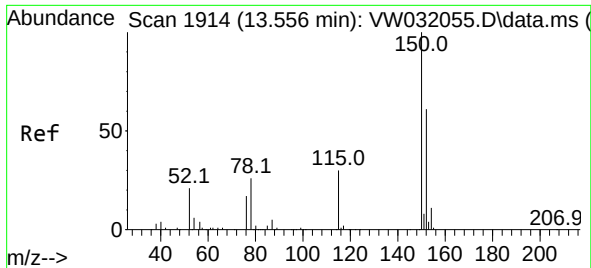
Tgt Ion: 95 Resp: 130042
Ion Ratio Lower Upper
95 100
174 72.7 0.0 129.0
176 68.0 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW032102.D
Acq: 14 Aug 2025 18:25

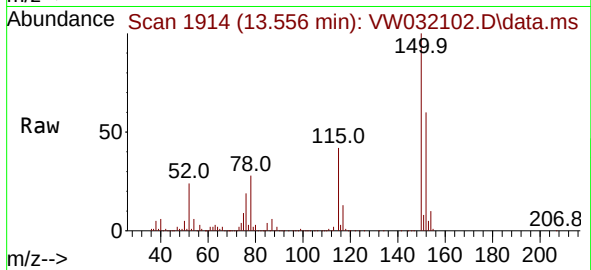
Tgt Ion: 117 Resp: 289791
Ion Ratio Lower Upper
117 100
82 56.9 45.0 67.4
119 34.5 24.2 36.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032102.D
 Acq: 14 Aug 2025 18:25

Instrument :
 MSVOA_W
 ClientSampleId :
 88H-W



Tgt Ion:152 Resp: 144659
 Ion Ratio Lower Upper
 152 100
 115 62.9 32.6 97.8
 150 153.0 0.0 359.4

