

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032103.D
 Acq On : 14 Aug 2025 18:47
 Operator : SY/MD
 Sample : Q2820-20
 Misc : 8.76g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 88H-S

Quant Time: Aug 18 03:57:20 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)

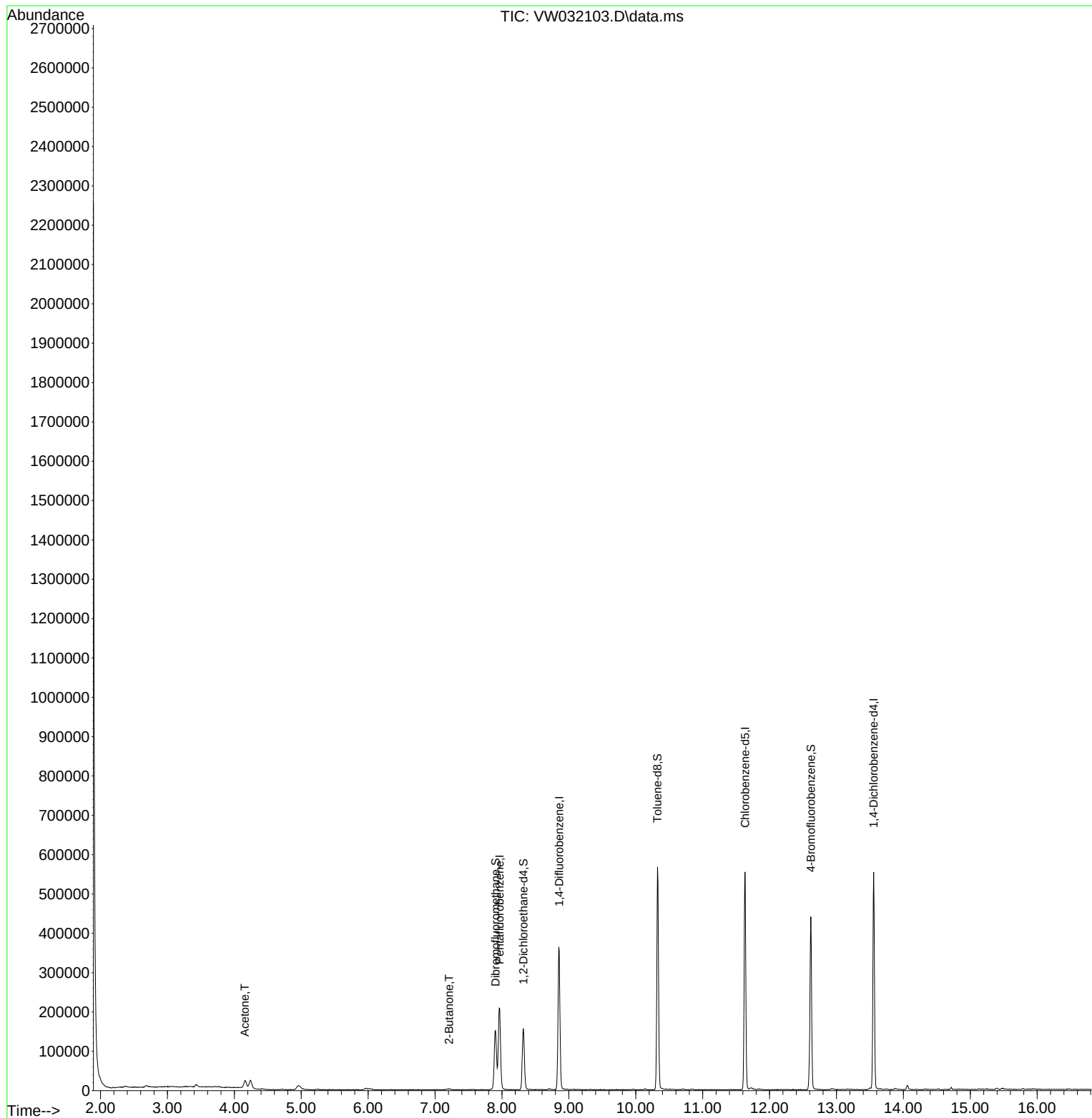
Internal Standards						
1) Pentafluorobenzene	7.965	168	146240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	298387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	290020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	135214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127754	60.403	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	120.800%
35) Dibromofluoromethane	7.904	113	106596	55.297	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.600%
50) Toluene-d8	10.325	98	355808	49.903	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	99.800%
62) 4-Bromofluorobenzene	12.617	95	126826	48.269	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.540%
Target Compounds						
						Qvalue
16) Acetone	4.155	43	34321	70.088	ug/l	96
25) 2-Butanone	7.209	43	4485	6.444	ug/l #	89

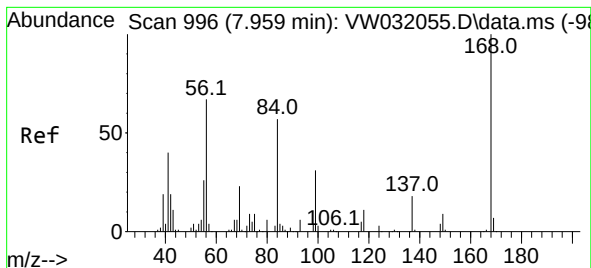
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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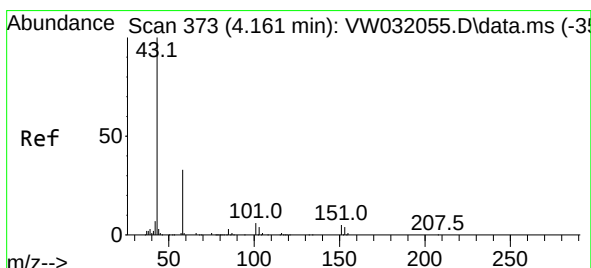
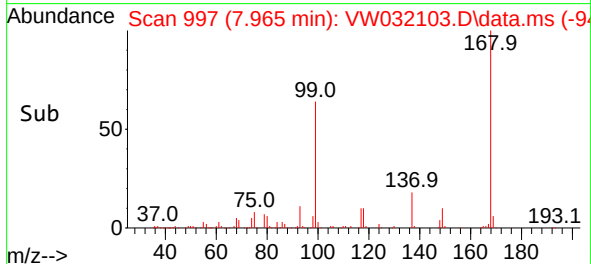
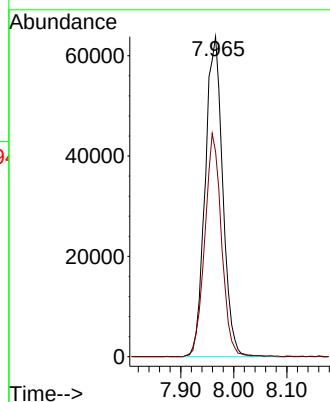
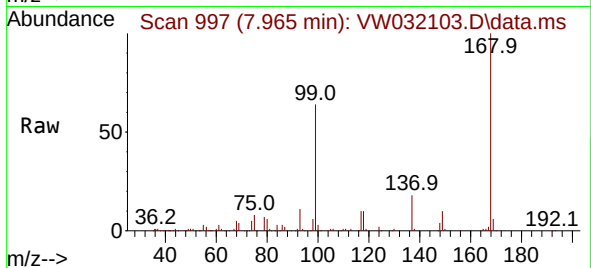




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

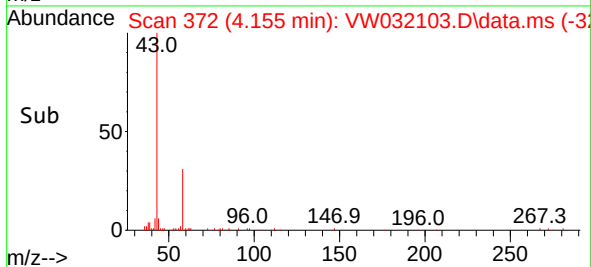
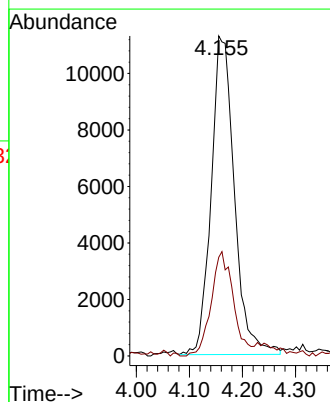
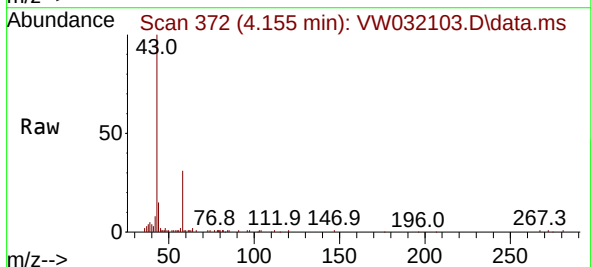
Instrument :
MSVOA_W
ClientSampleId :
88H-S

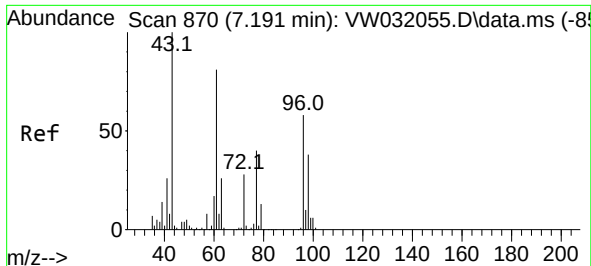
Tgt Ion:168 Resp: 146240
Ion Ratio Lower Upper
168 100
99 64.1 56.0 84.0



#16
Acetone
Concen: 70.088 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion: 43 Resp: 34321
Ion Ratio Lower Upper
43 100
58 31.0 26.6 39.8

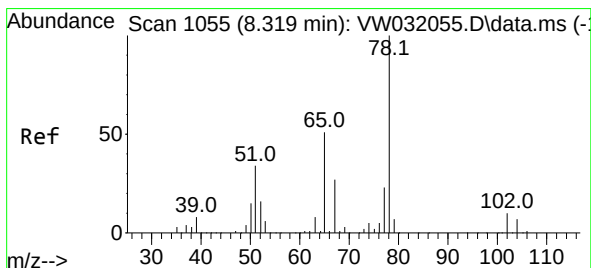
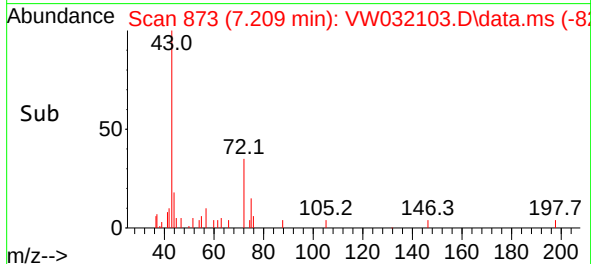
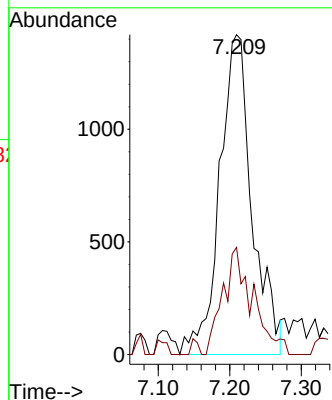
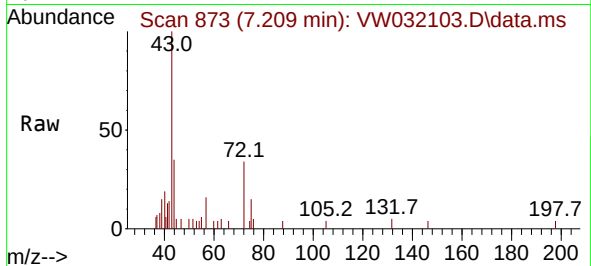




#25
2-Butanone
Concen: 6.444 ug/l
RT: 7.209 min Scan# 81
Delta R.T. 0.018 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

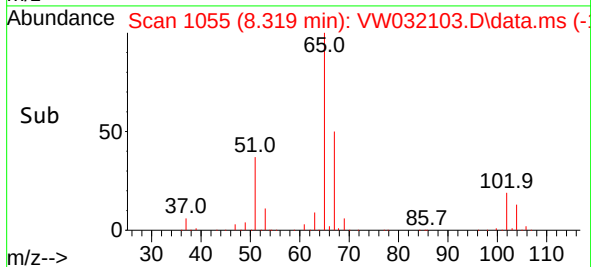
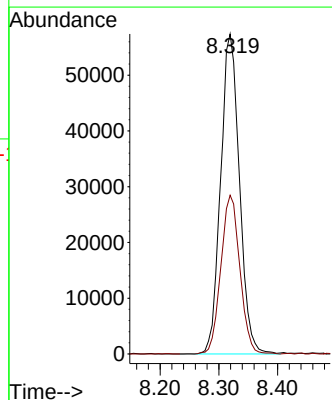
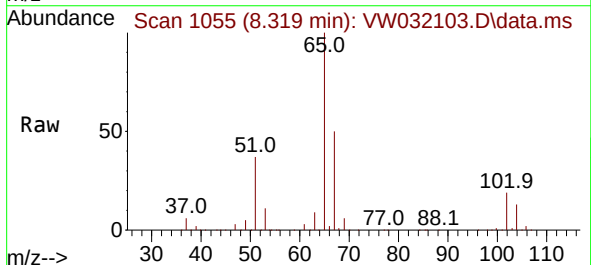
Instrument :
MSVOA_W
ClientSampleId :
88H-S

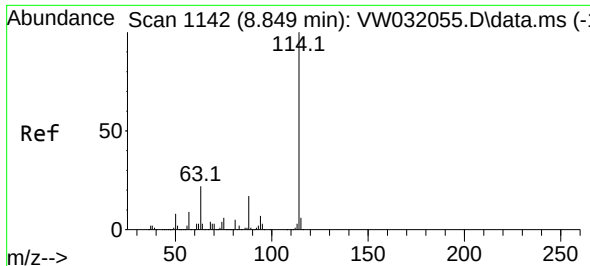
Tgt Ion: 43 Resp: 4485
Ion Ratio Lower Upper
43 100
72 33.5 22.3 33.5#



#33
1,2-Dichloroethane-d4
Concen: 60.403 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion: 65 Resp: 127754
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.4

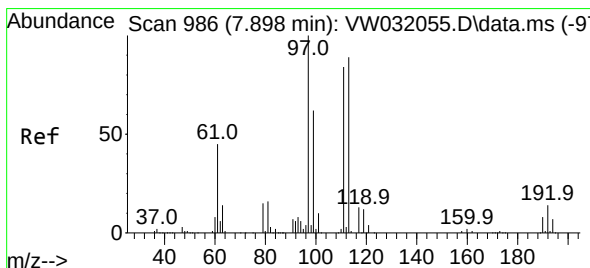
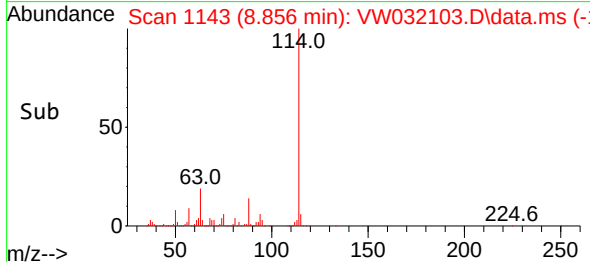
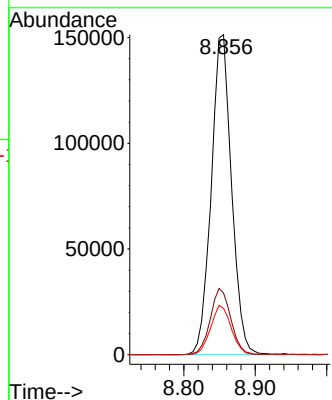
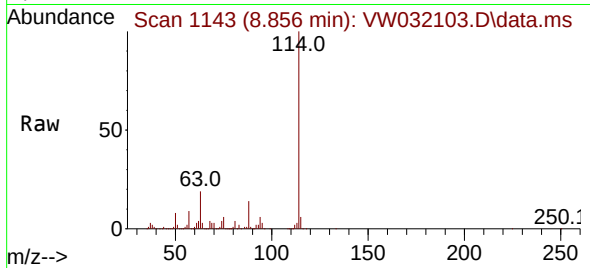




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

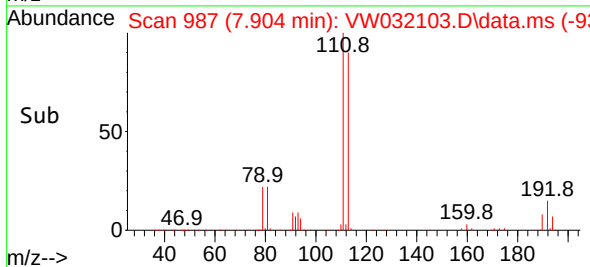
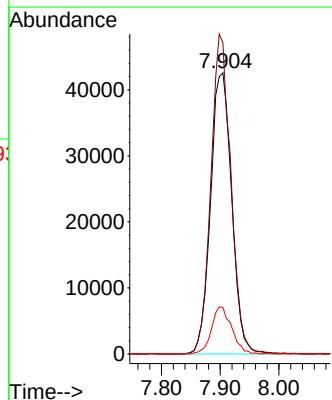
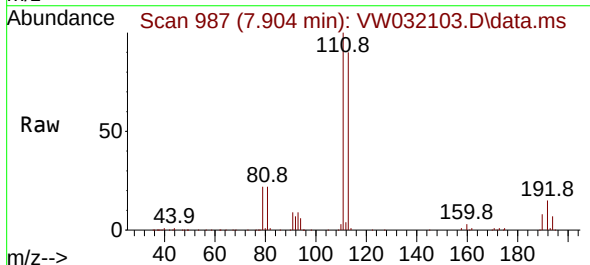
Instrument :
MSVOA_W
ClientSampleId :
88H-S

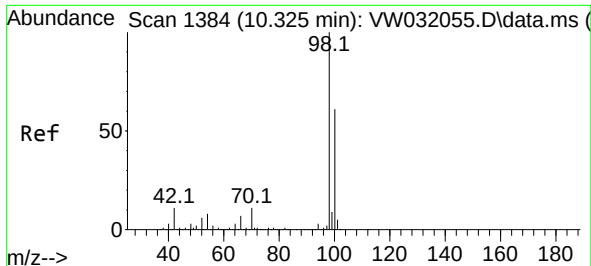
Tgt Ion:114 Resp: 298387
Ion Ratio Lower Upper
114 100
63 19.2 0.0 43.0
88 14.5 0.0 33.8



#35
Dibromofluoromethane
Concen: 55.297 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion:113 Resp: 106596
Ion Ratio Lower Upper
113 100
111 107.3 80.1 120.1
192 16.0 13.1 19.7

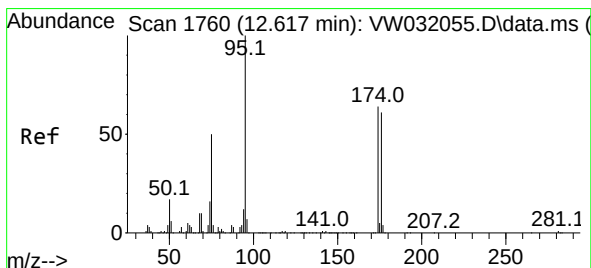
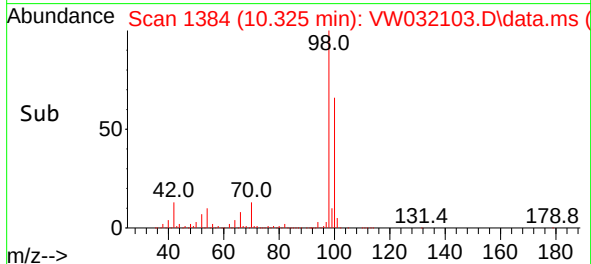
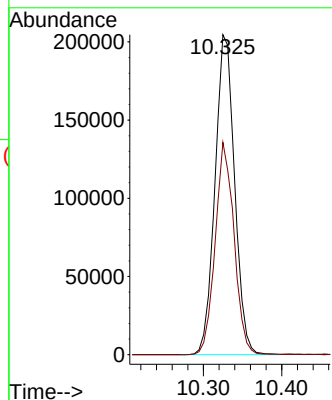
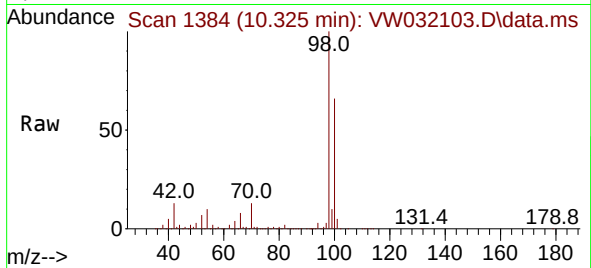




#50
Toluene-d8
Concen: 49.903 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

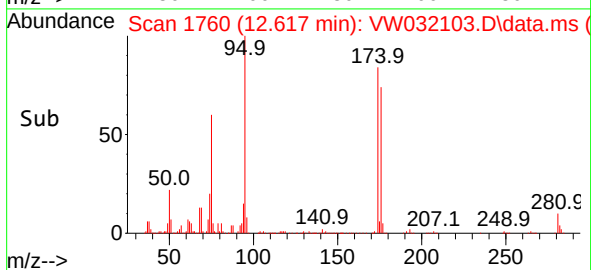
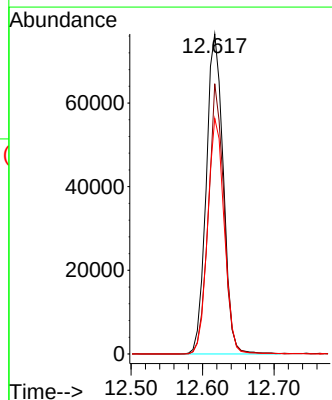
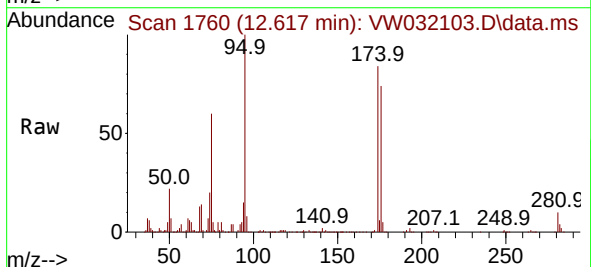
Instrument :
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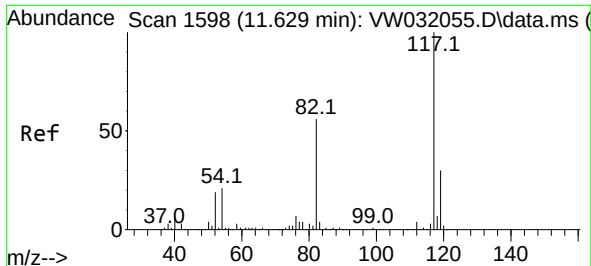
Tgt Ion: 98 Resp: 355808
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 48.269 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion: 95 Resp: 126826
Ion Ratio Lower Upper
95 100
174 77.0 0.0 129.0
176 71.9 0.0 124.6

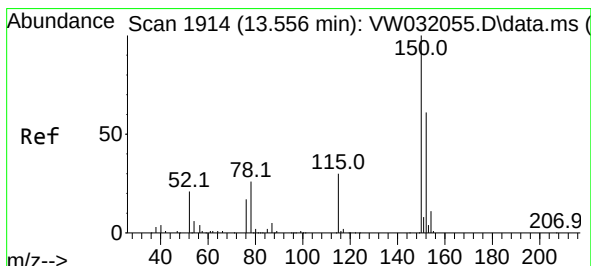
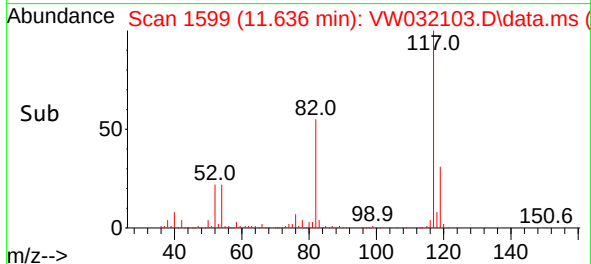
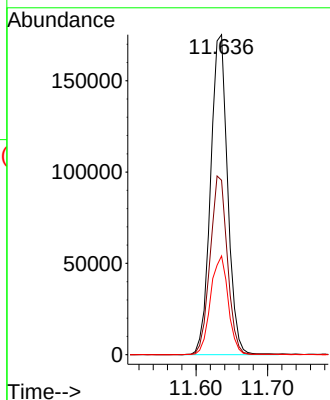
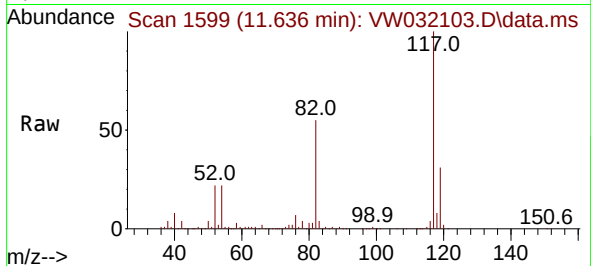




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.636 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032103.D
Acq: 14 Aug 2025 18:47

Instrument :
MSVOA_W
ClientSampleId :
88H-S

Tgt Ion:117 Resp: 290020
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 30.8 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: VW032103.D
Acq: 14 Aug 2025 18:47

Tgt Ion:152 Resp: 135214
Ion Ratio Lower Upper
152 100
115 61.1 32.6 97.8
150 159.3 0.0 359.4

