

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032176.D
 Acq On : 15 Sep 2025 15:49
 Operator : SY/MD
 Sample : Q3106-01
 Misc : 5.22g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-07-09152025

Quant Time: Sep 16 06:37:36 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)

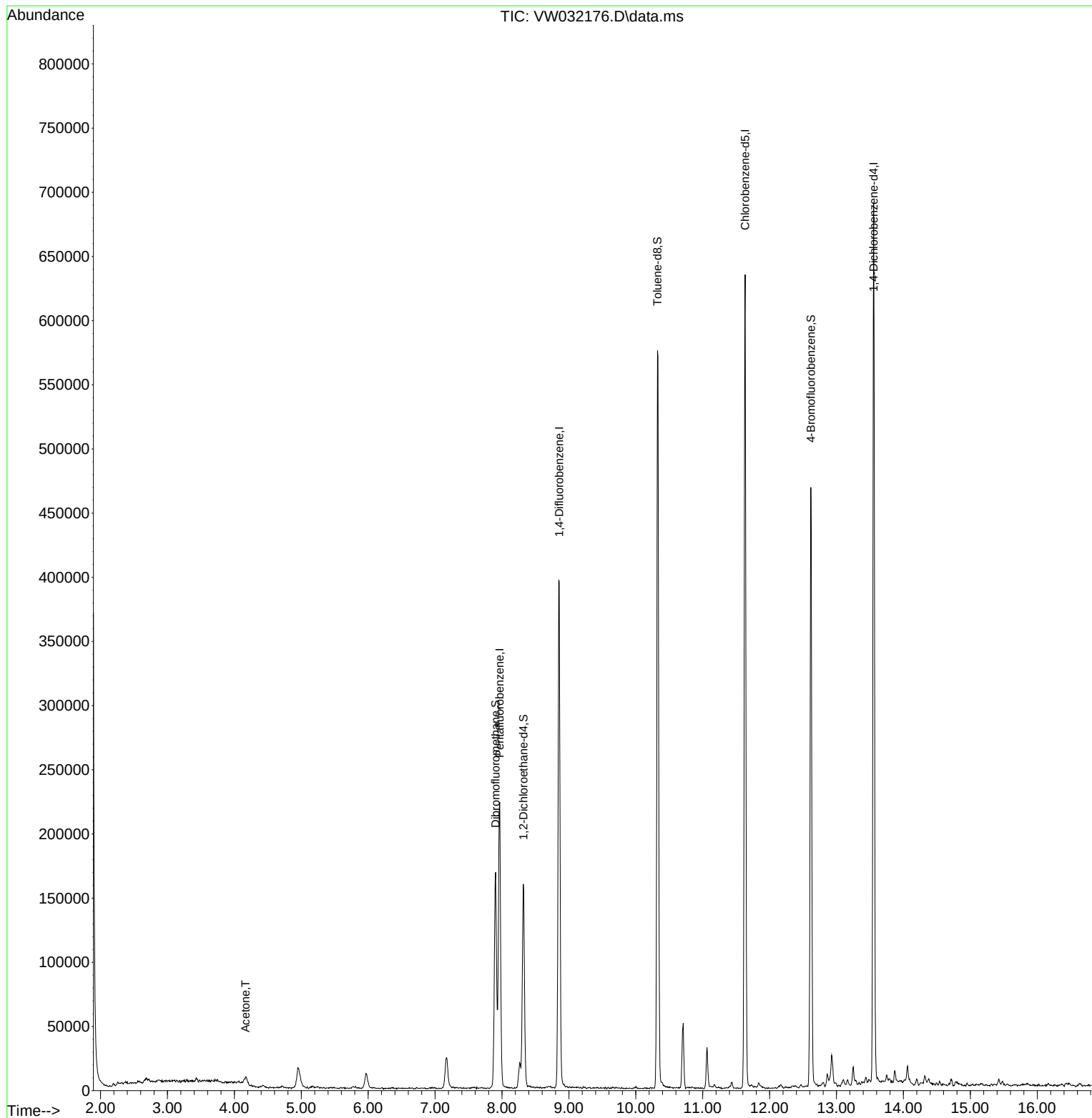
Internal Standards						
1) Pentafluorobenzene	7.965	168	158177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	325166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	341277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	176389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131584	58.168	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	116.340%	
35) Dibromofluoromethane	7.904	113	116209	50.939	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	101.880%	
50) Toluene-d8	10.325	98	382500	47.761	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	95.520%	
62) 4-Bromofluorobenzene	12.617	95	153894	51.966	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	103.940%	
Target Compounds						
16) Acetone	4.167	43	9540	19.473	ug/l	Qvalue # 84

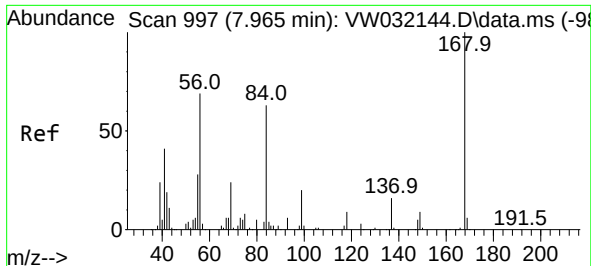
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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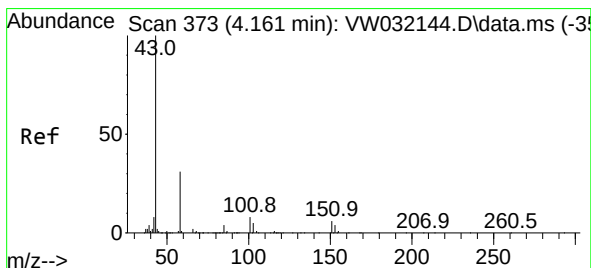
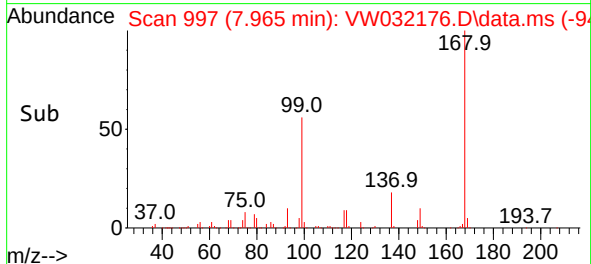
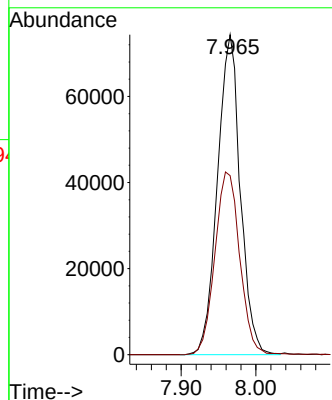
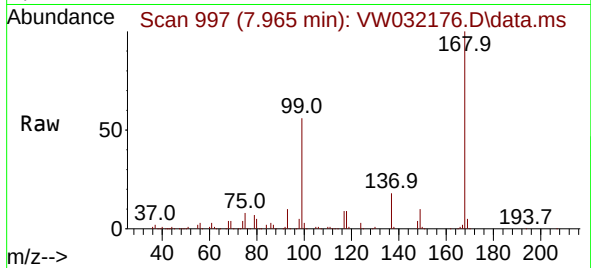




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032176.D
Acq: 15 Sep 2025 15:49

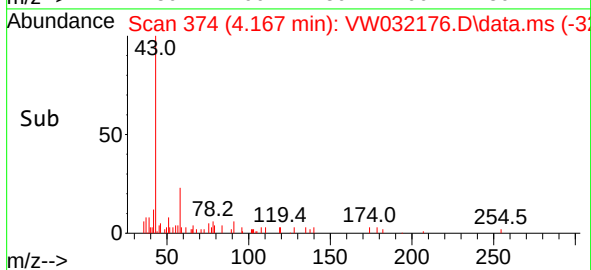
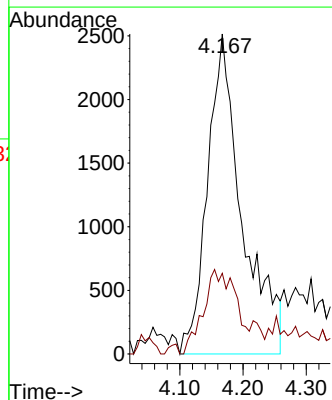
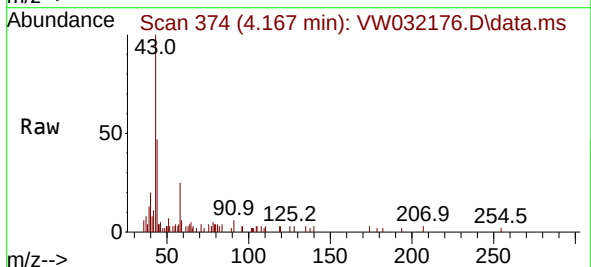
Instrument :
MSVOA_W
ClientSampleId :
NB-07-09152025

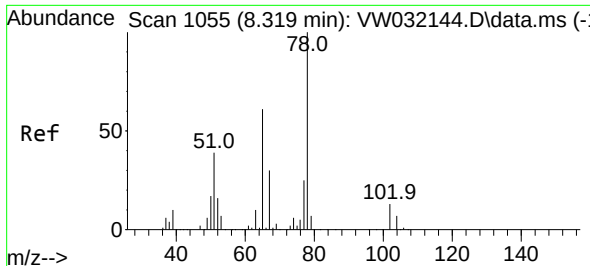
Tgt Ion:168 Resp: 158177
Ion Ratio Lower Upper
168 100
99 55.9 49.3 73.9



#16
Acetone
Concen: 19.473 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032176.D
Acq: 15 Sep 2025 15:49

Tgt Ion: 43 Resp: 9540
Ion Ratio Lower Upper
43 100
58 23.0 25.3 37.9#

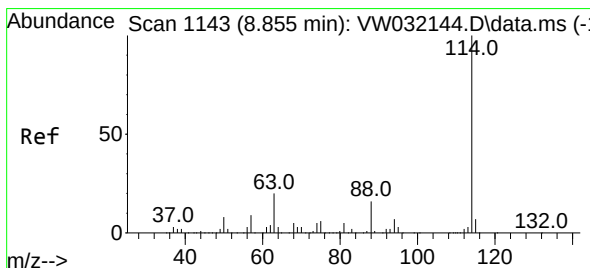
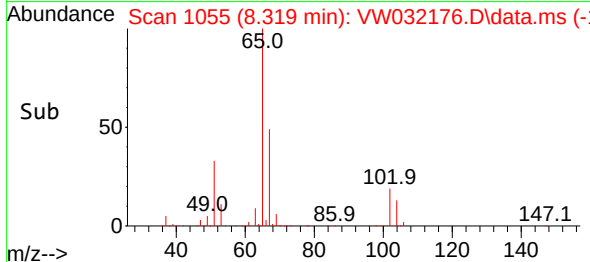
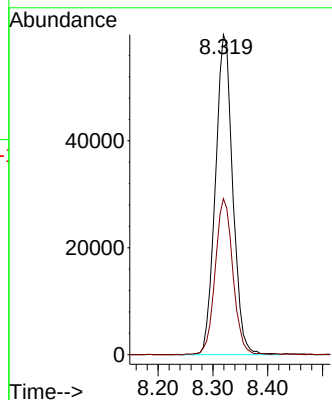
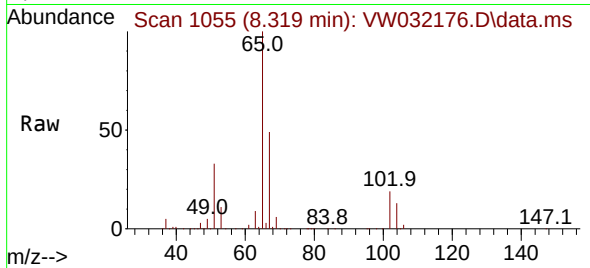




#33
 1,2-Dichloroethane-d4
 Concen: 58.168 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032176.D
 Acq: 15 Sep 2025 15:49

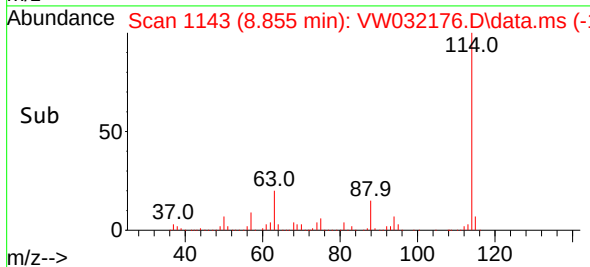
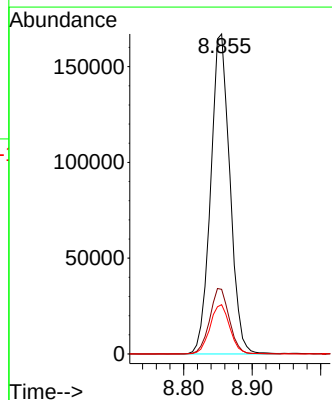
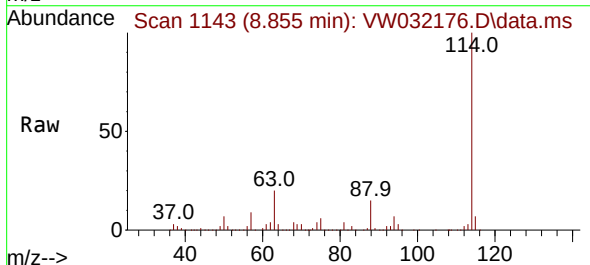
Instrument :
 MSVOA_W
 ClientSampleId :
 NB-07-09152025

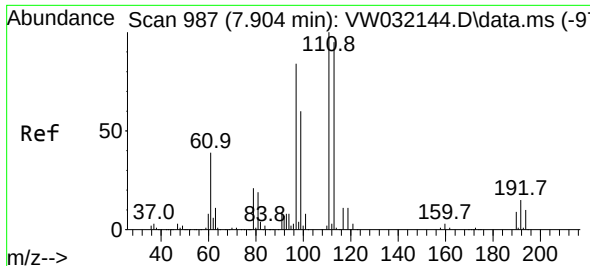
Tgt Ion: 65 Resp: 131584
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032176.D
 Acq: 15 Sep 2025 15:49

Tgt Ion: 114 Resp: 325166
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.4
 88 15.4 0.0 32.0

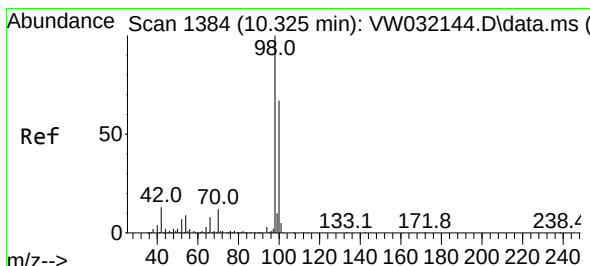
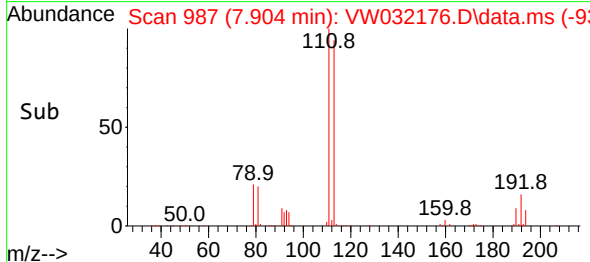
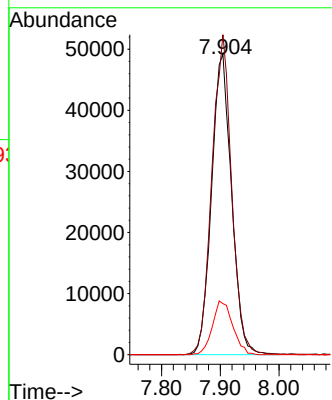
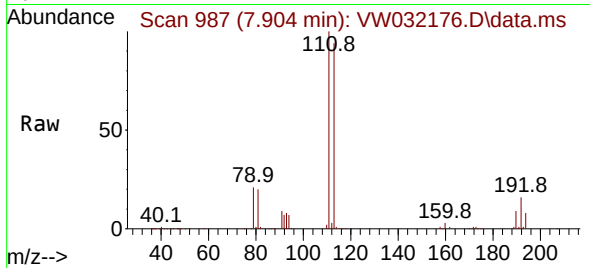




#35
Dibromofluoromethane
Concen: 50.939 ug/l
RT: 7.904 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW032176.D
Acq: 15 Sep 2025 15:49

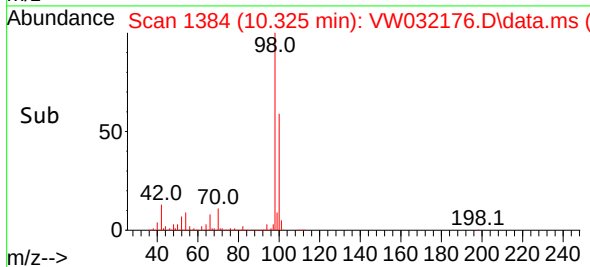
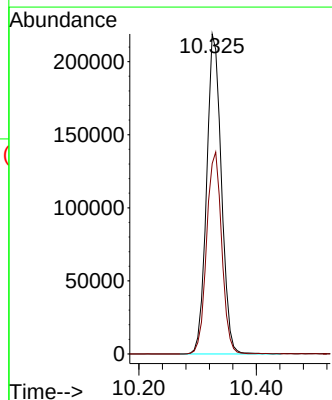
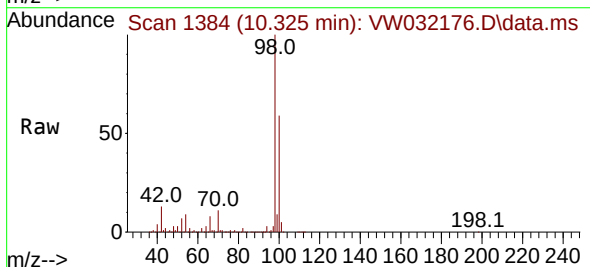
Instrument :
MSVOA_W
ClientSampleId :
NB-07-09152025

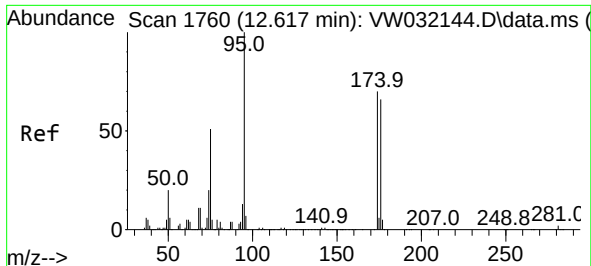
Tgt Ion:113 Resp: 116209
Ion Ratio Lower Upper
113 100
111 105.0 83.9 125.9
192 18.2 14.6 21.8



#50
Toluene-d8
Concen: 47.761 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032176.D
Acq: 15 Sep 2025 15:49

Tgt Ion: 98 Resp: 382500
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2

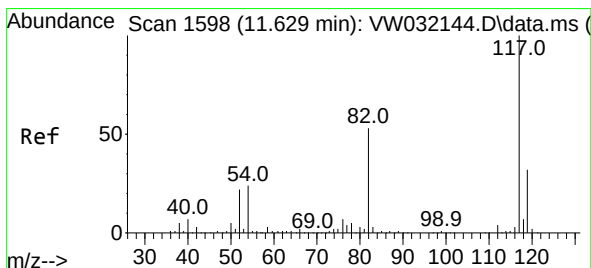
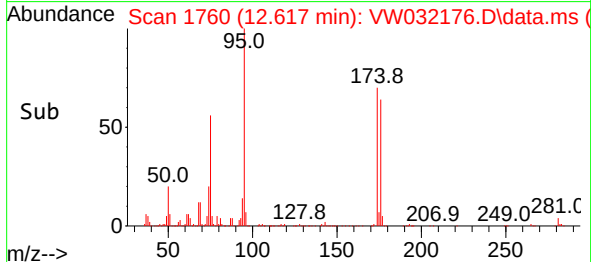
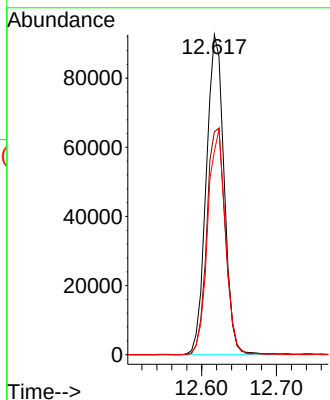
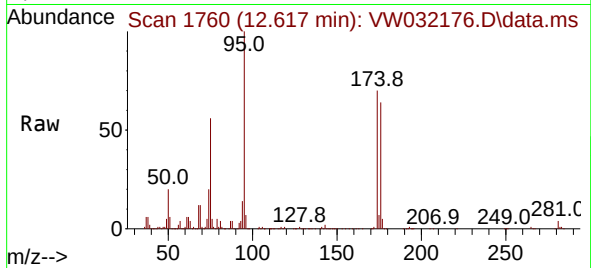




#62
4-Bromofluorobenzene
Concen: 51.966 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032176.D
Acq: 15 Sep 2025 15:49

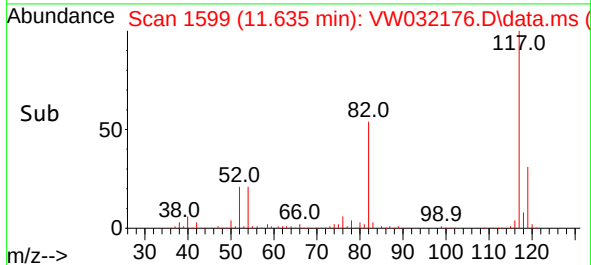
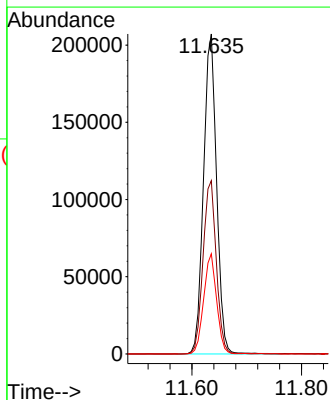
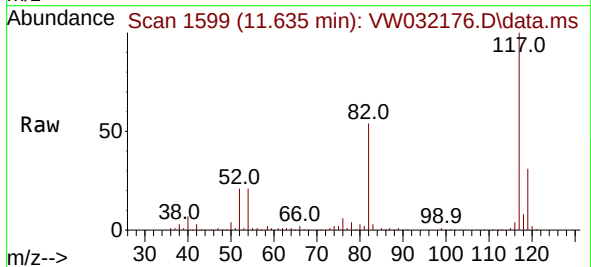
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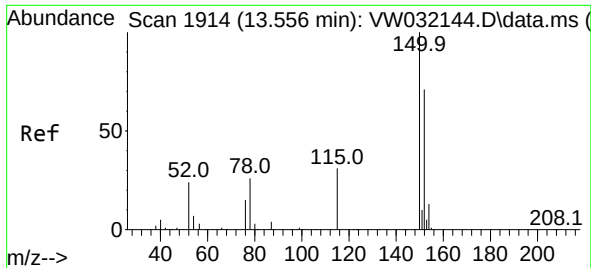
Tgt Ion: 95 Resp: 153894
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.6
176 69.9 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032176.D
Acq: 15 Sep 2025 15:49

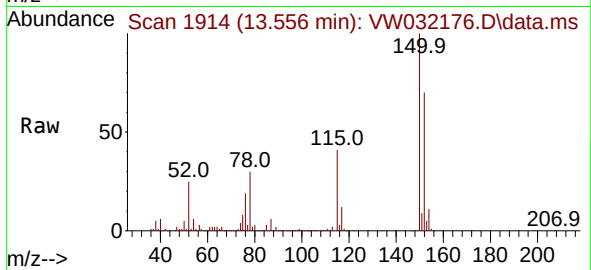
Tgt Ion: 117 Resp: 341277
Ion Ratio Lower Upper
117 100
82 54.1 42.7 64.1
119 31.3 25.2 37.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032176.D
 Acq: 15 Sep 2025 15:49

Instrument :
 MSVOA_W
 ClientSampleId :
 NB-07-09152025



Tgt Ion:152 Resp: 176389
 Ion Ratio Lower Upper
 152 100
 115 59.1 31.8 95.4
 150 156.5 0.0 343.0

