

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032116.D
 Acq On : 22 Aug 2025 17:12
 Operator : SY/MD
 Sample : Q2932-01
 Misc : 4.49g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0009

Quant Time: Aug 25 03:59:46 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)

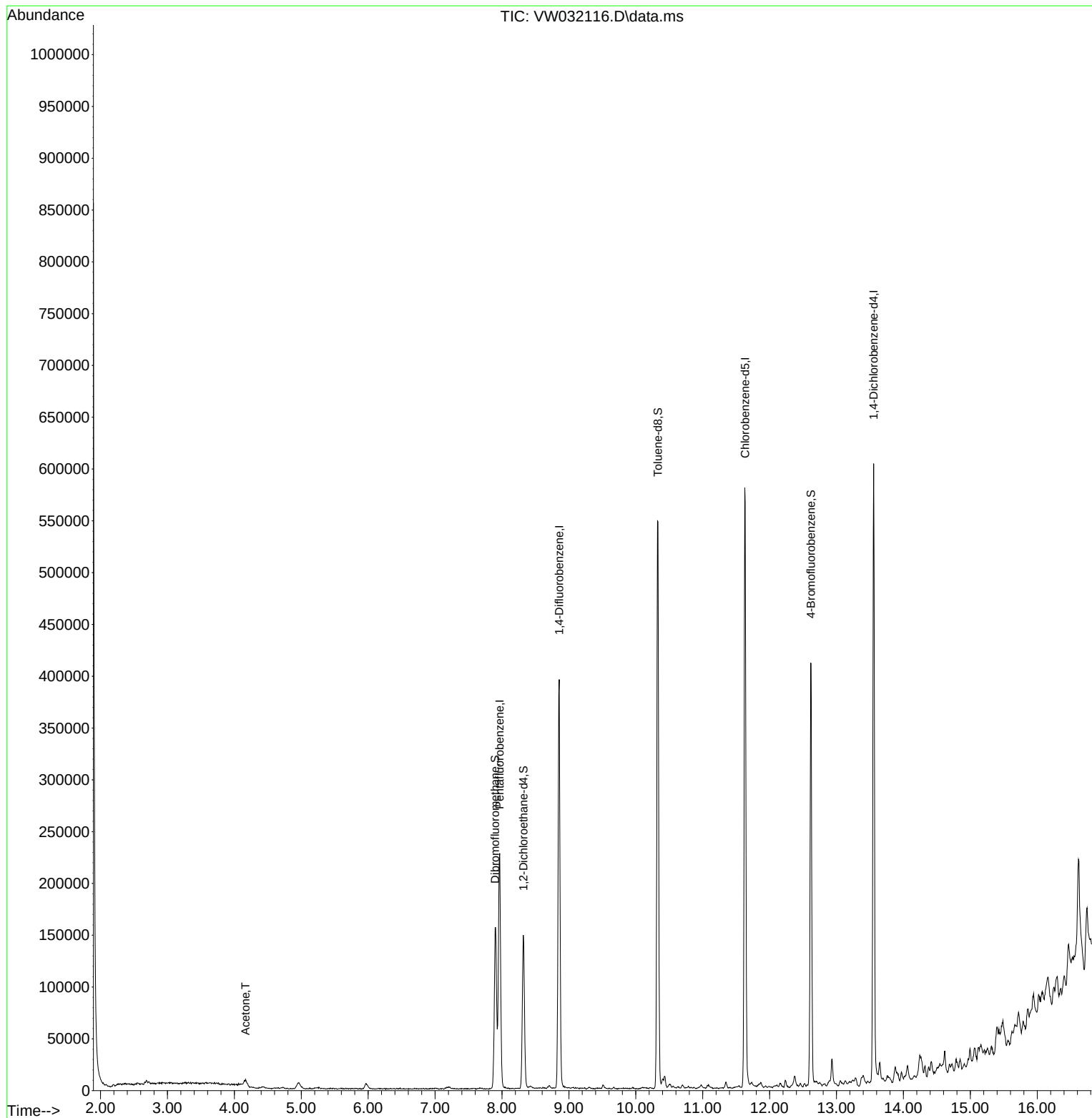
Internal Standards						
1) Pentafluorobenzene	7.965	168	160637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	323665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	317023	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	151018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121530	52.310	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 104.620%		
35) Dibromofluoromethane	7.898	113	113328	54.198	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 108.400%		
50) Toluene-d8	10.330	98	371714	48.062	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.120%		
62) 4-Bromofluorobenzene	12.617	95	130364	45.740	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 91.480%		
Target Compounds						
16) Acetone	4.167	43	8174	15.196	ug/l	Qvalue 92

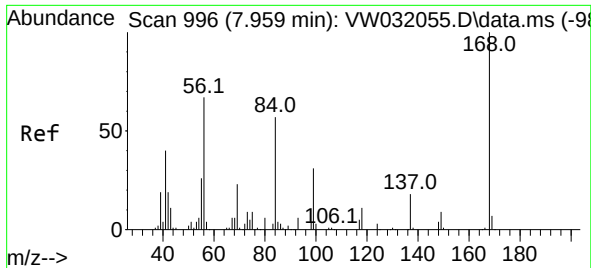
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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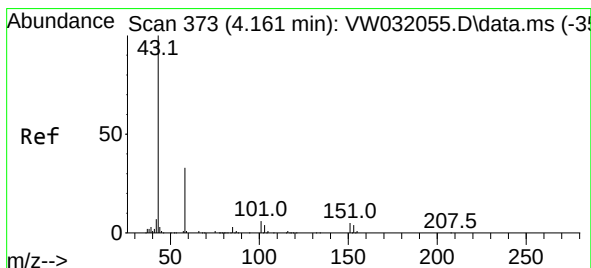
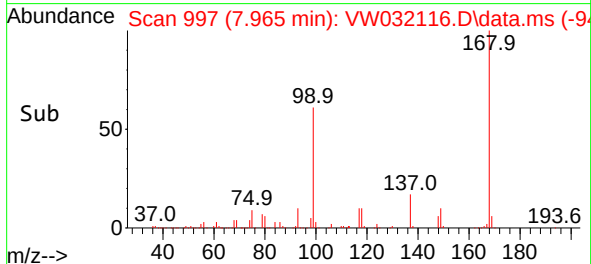
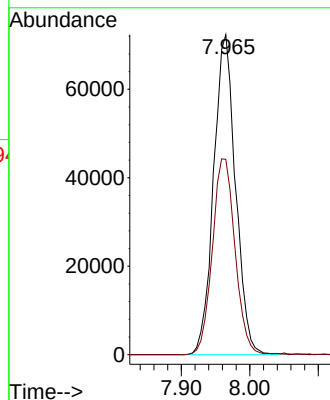
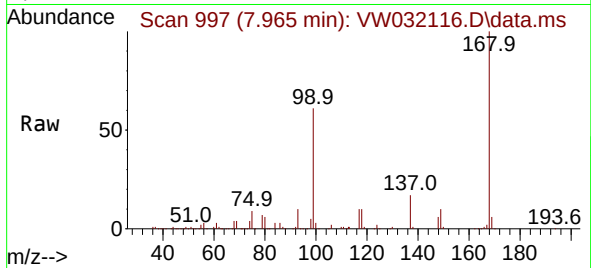




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

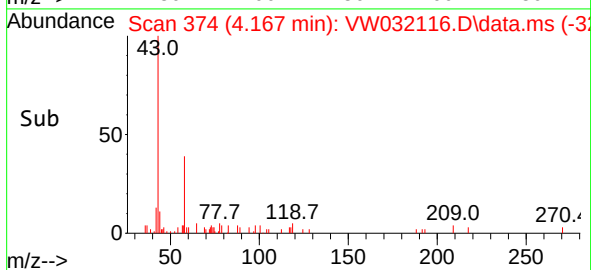
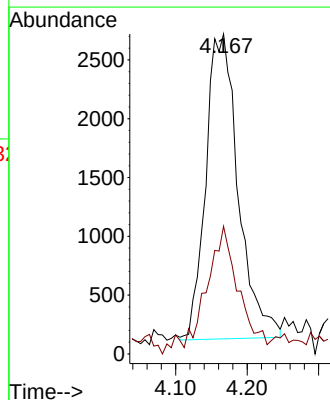
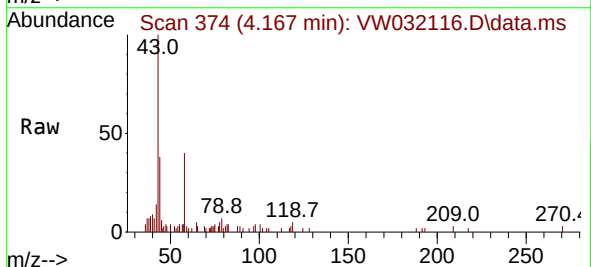
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0009

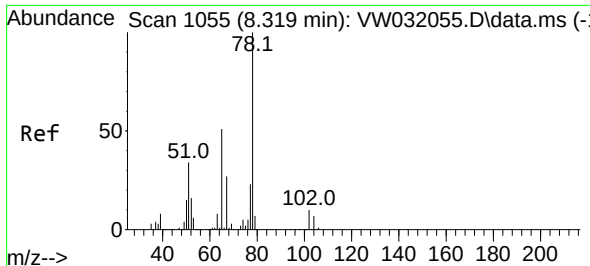
Tgt Ion:168 Resp: 160637
Ion Ratio Lower Upper
168 100
99 61.1 56.0 84.0



#16
Acetone
Concen: 15.196 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

Tgt Ion: 43 Resp: 8174
Ion Ratio Lower Upper
43 100
58 37.6 26.6 39.8

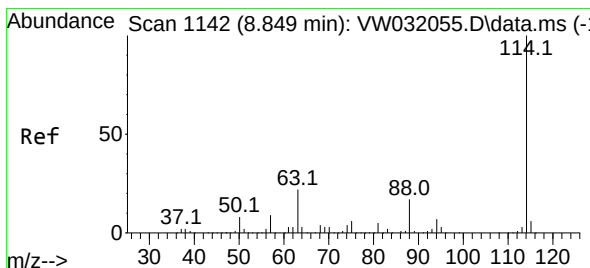
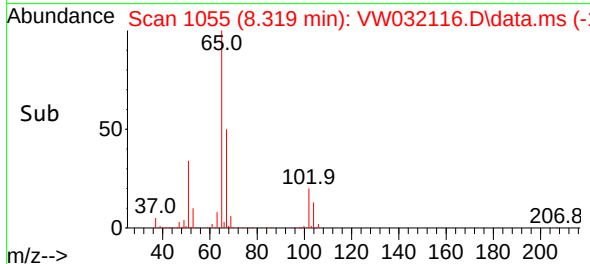
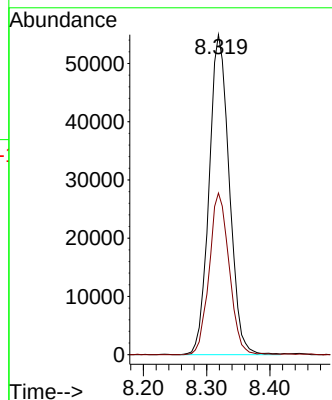
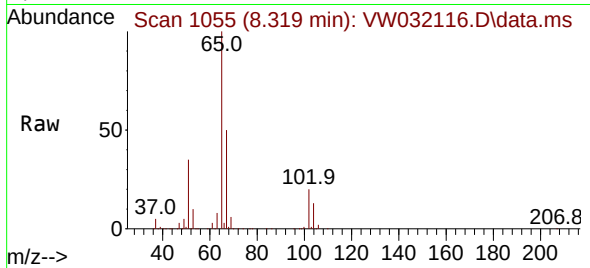




#33
 1,2-Dichloroethane-d4
 Concen: 52.310 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032116.D
 Acq: 22 Aug 2025 17:12

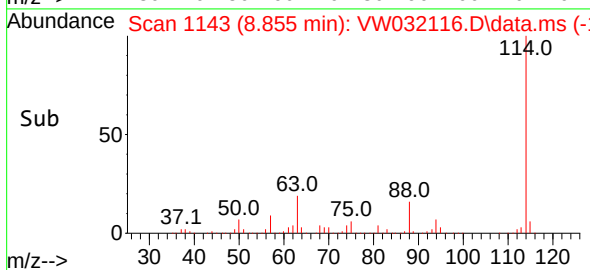
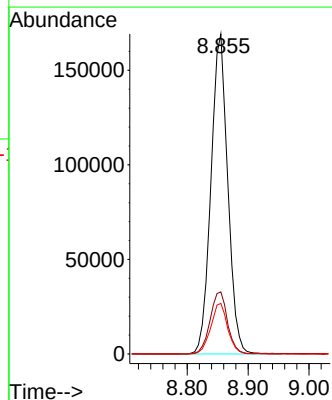
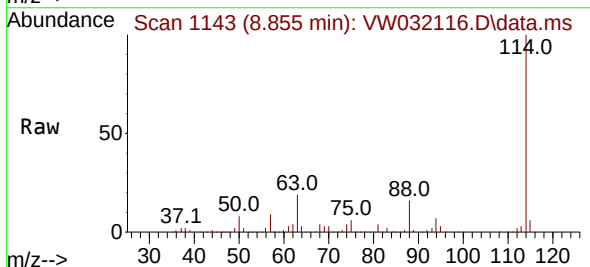
Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0009

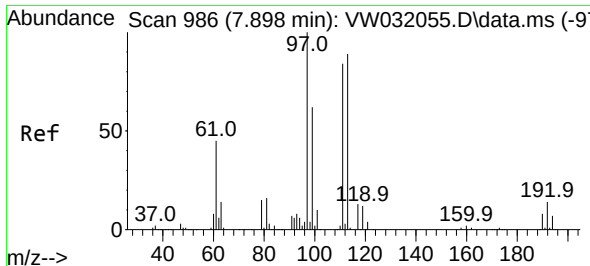
Tgt Ion: 65 Resp: 121530
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032116.D
 Acq: 22 Aug 2025 17:12

Tgt Ion: 114 Resp: 323665
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 43.0
 88 15.8 0.0 33.8

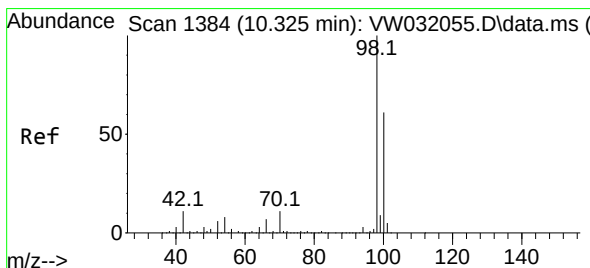
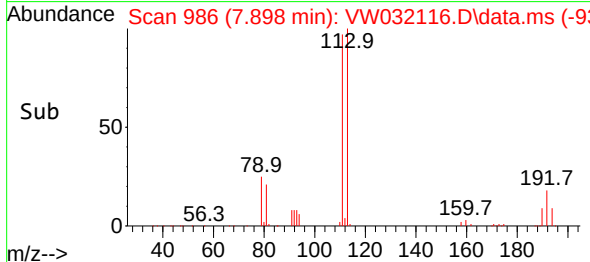
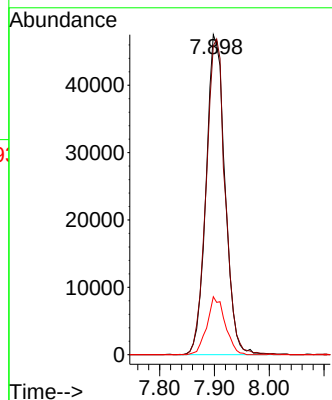
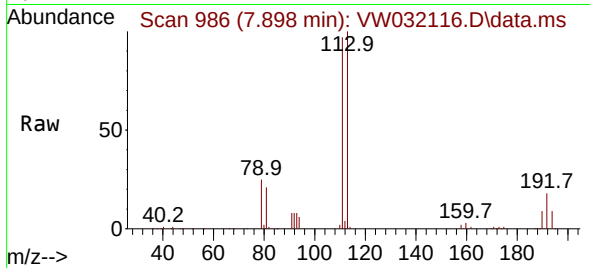




#35
 Dibromofluoromethane
 Concen: 54.198 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032116.D
 Acq: 22 Aug 2025 17:12

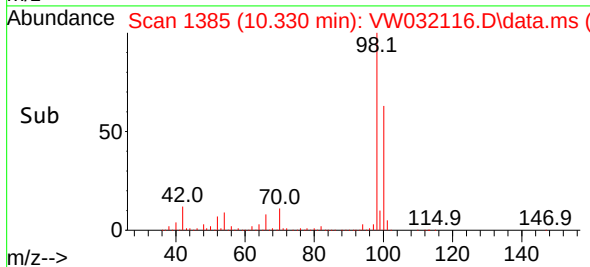
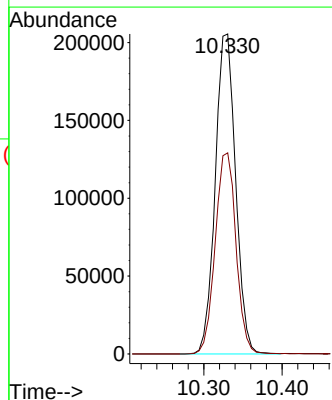
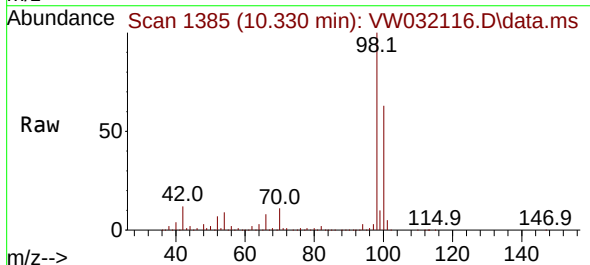
Instrument :
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 ClientSampleId :
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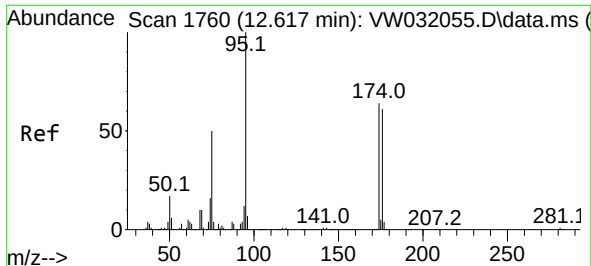
Tgt Ion:113 Resp: 113328
 Ion Ratio Lower Upper
 113 100
 111 99.5 80.1 120.1
 192 17.5 13.1 19.7



#50
 Toluene-d8
 Concen: 48.062 ug/l
 RT: 10.330 min Scan# 1385
 Delta R.T. 0.006 min
 Lab File: VW032116.D
 Acq: 22 Aug 2025 17:12

Tgt Ion: 98 Resp: 371714
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.1 76.7

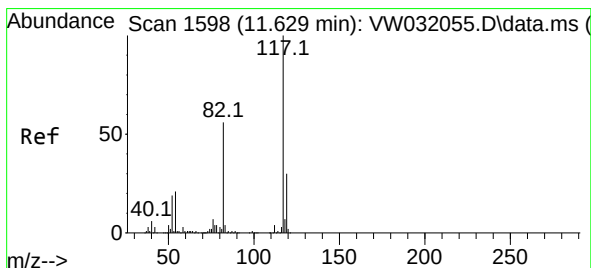
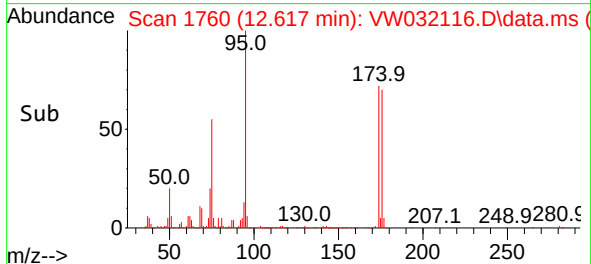
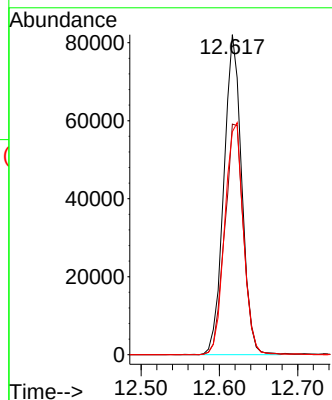
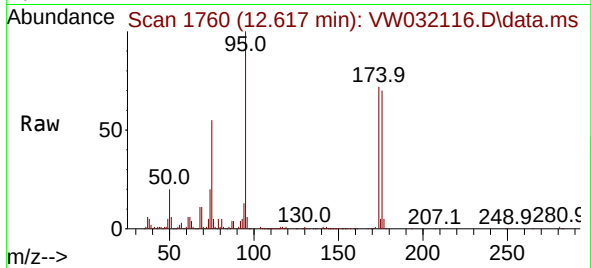




#62
4-Bromofluorobenzene
Concen: 45.740 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

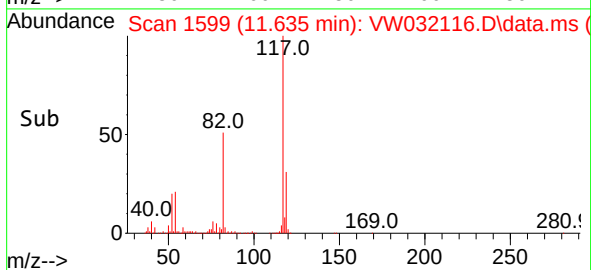
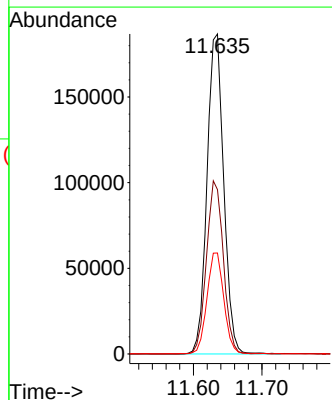
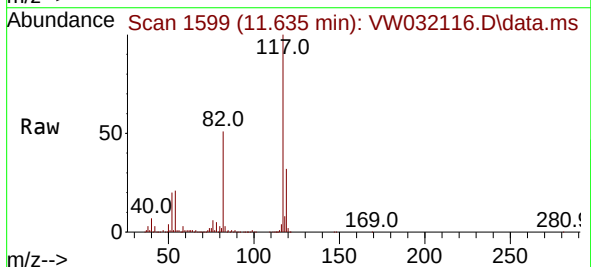
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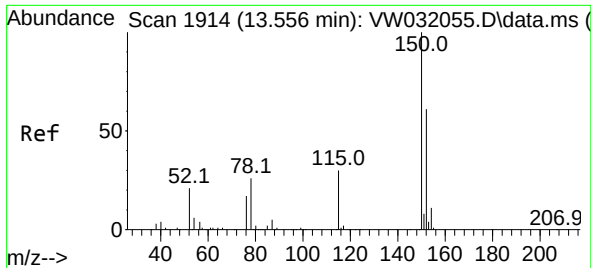
Tgt Ion: 95 Resp: 130364
Ion Ratio Lower Upper
95 100
174 75.8 0.0 129.0
176 75.9 0.0 124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032116.D
Acq: 22 Aug 2025 17:12

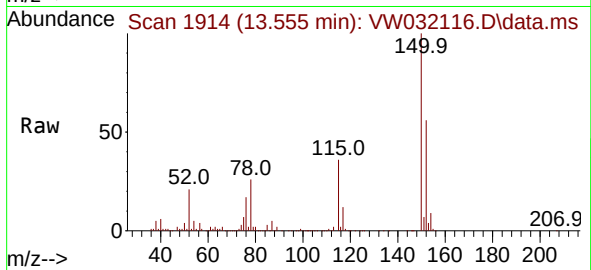
Tgt Ion: 117 Resp: 317023
Ion Ratio Lower Upper
117 100
82 51.3 45.0 67.4
119 31.5 24.2 36.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.555 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032116.D
 Acq: 22 Aug 2025 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0009



Tgt Ion:	152	Resp:	151018
Ion Ratio	Lower	Upper	
152	100		
115	61.6	32.6	97.8
150	161.2	0.0	359.4

