

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032158.D
 Acq On : 28 Aug 2025 14:25
 Operator : SY/MD
 Sample : Q2971-25
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP7

Quant Time: Aug 29 01:19:40 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)

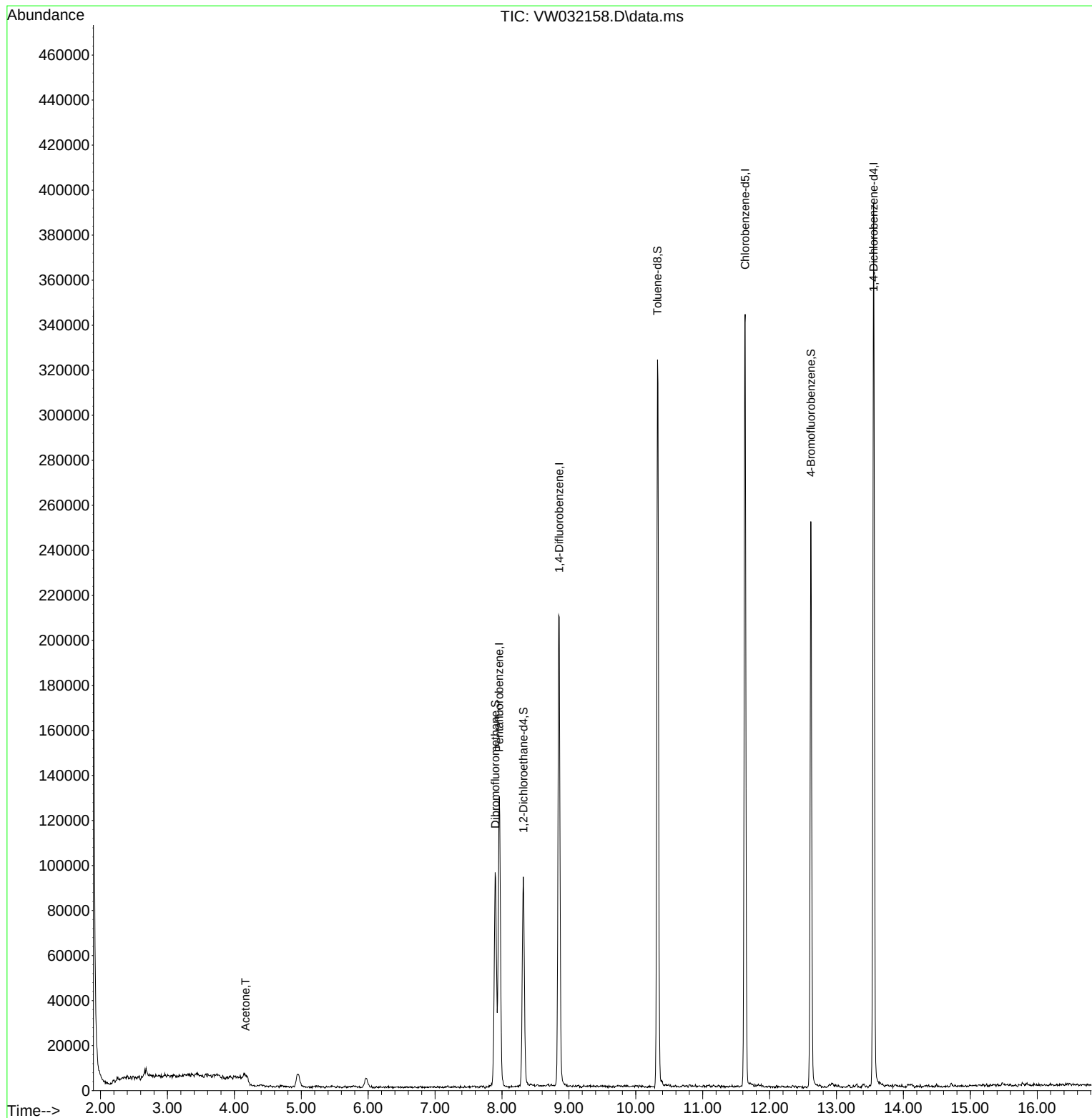
Internal Standards						
1) Pentafluorobenzene	7.959	168	91087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	176342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	189158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	95371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	76426	58.669	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	117.340%	
35) Dibromofluoromethane	7.898	113	68006	54.968	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	109.940%	
50) Toluene-d8	10.325	98	212020	48.817	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	97.640%	
62) 4-Bromofluorobenzene	12.617	95	80213	49.945	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	99.880%	
Target Compounds						
16) Acetone	4.167	43	2978m	10.556	ug/l	Qvalue

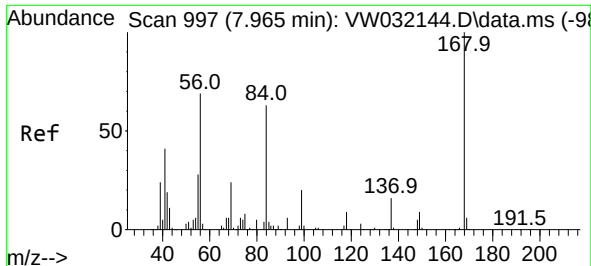
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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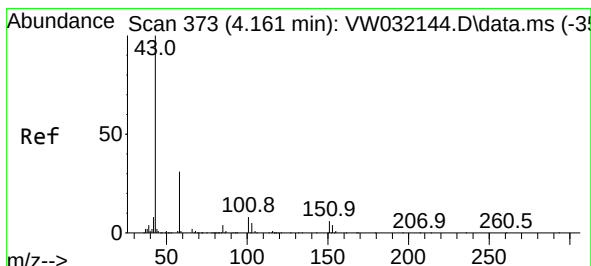
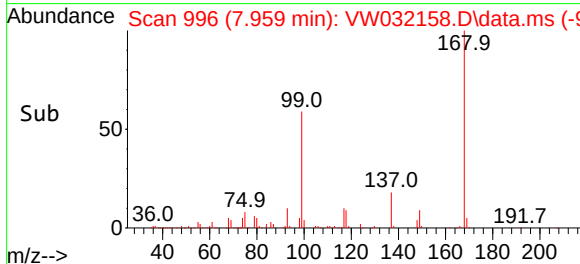
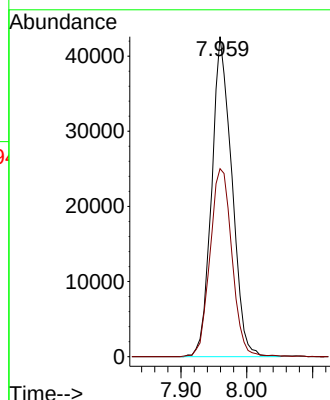
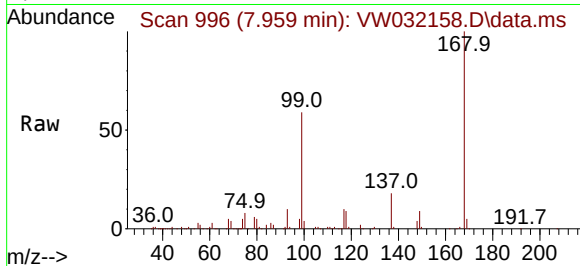




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:25

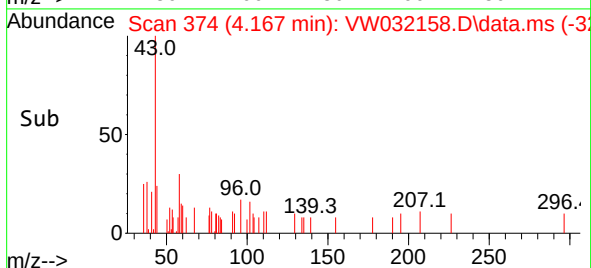
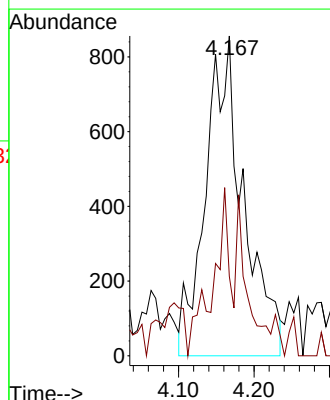
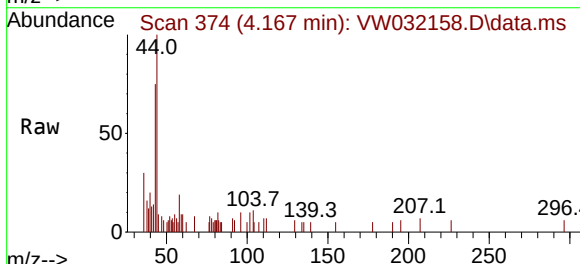
Instrument :
MSVOA_W
ClientSampleId :
TP7

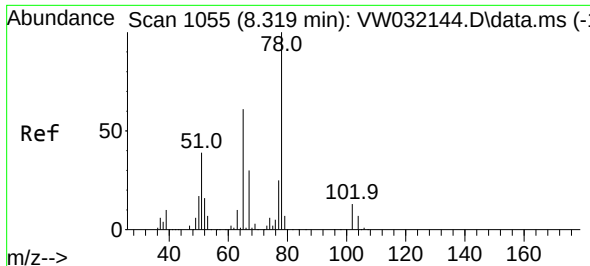
Tgt Ion:168 Resp: 91087
Ion Ratio Lower Upper
168 100
99 58.7 49.3 73.9



#16
Acetone
Concen: 10.556 ug/l m
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:25

Tgt Ion: 43 Resp: 2978
Ion Ratio Lower Upper
43 100
58 24.9 25.3 37.9#

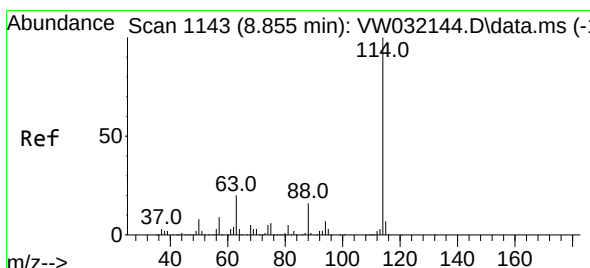
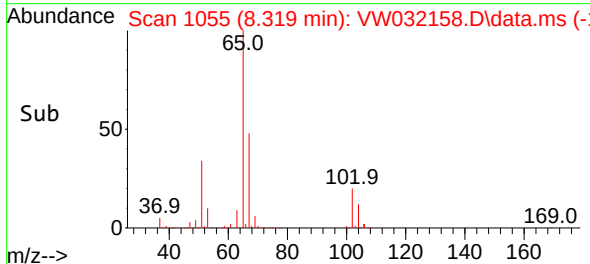
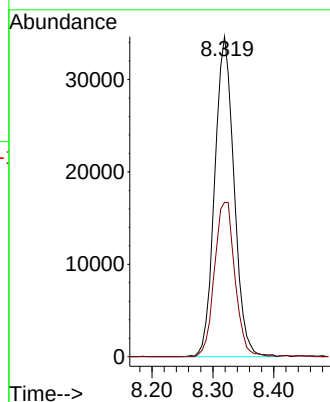
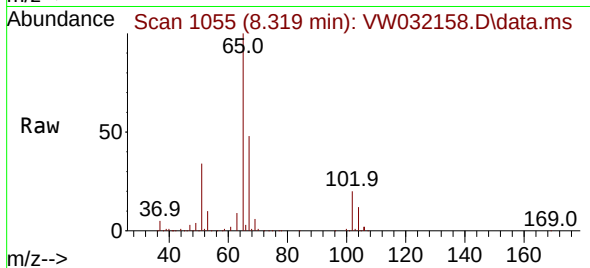




#33
 1,2-Dichloroethane-d4
 Concen: 58.669 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032158.D
 Acq: 28 Aug 2025 14:25

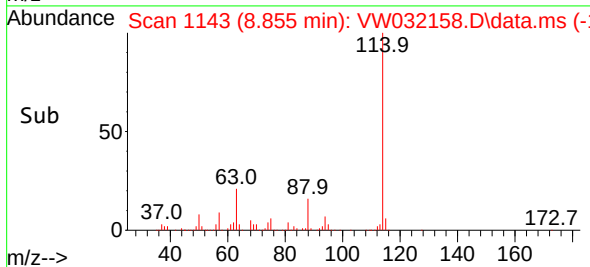
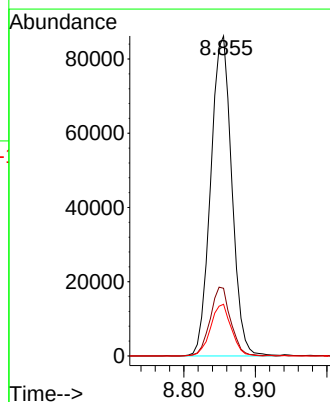
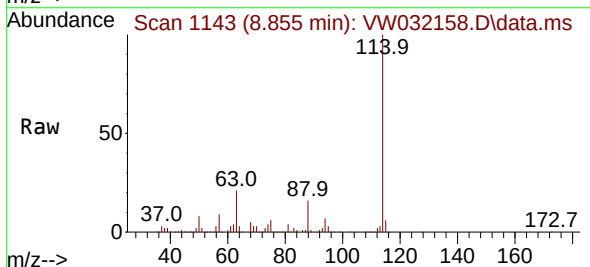
Instrument :
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 ClientSampleId :
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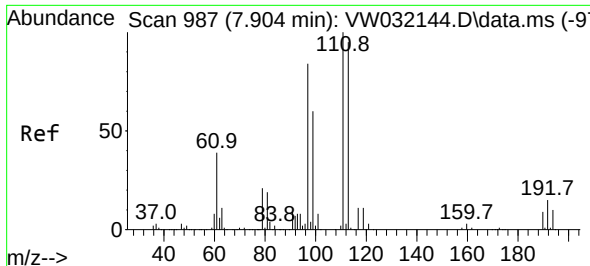
Tgt Ion: 65 Resp: 76426
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032158.D
 Acq: 28 Aug 2025 14:25

Tgt Ion: 114 Resp: 176342
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.4
 88 16.2 0.0 32.0

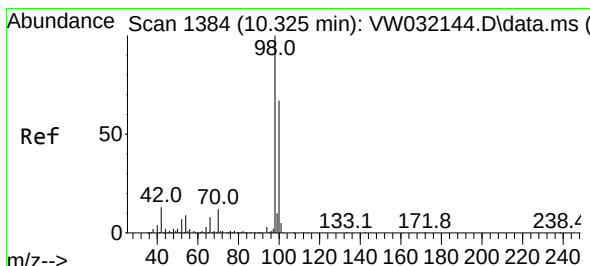
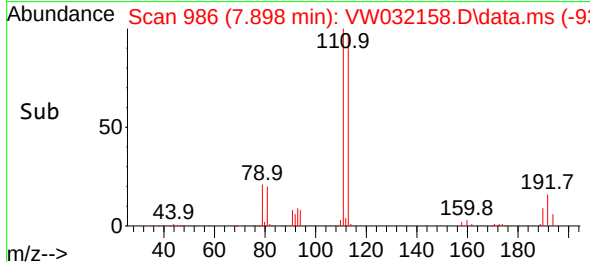
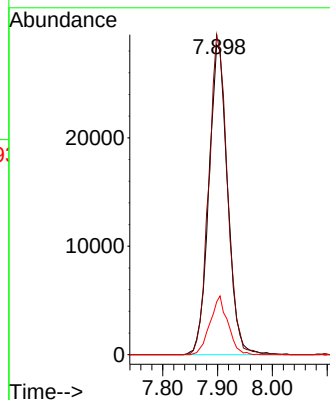
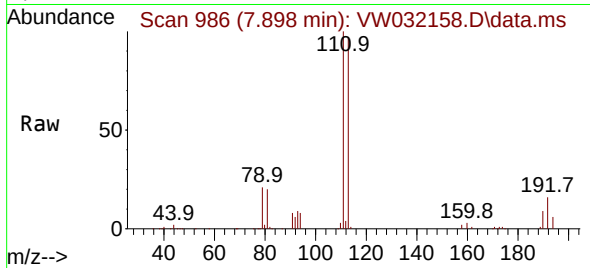




#35
 Dibromofluoromethane
 Concen: 54.968 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032158.D
 Acq: 28 Aug 2025 14:25

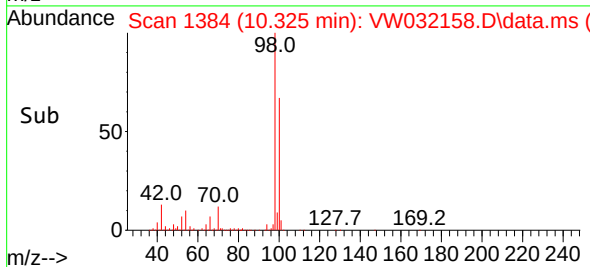
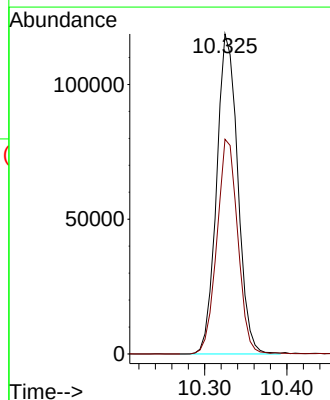
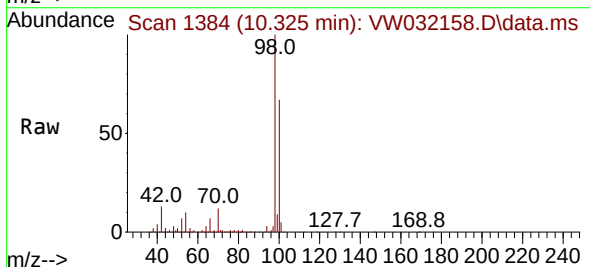
Instrument :
 MSVOA_W
 ClientSampleId :
 TP7

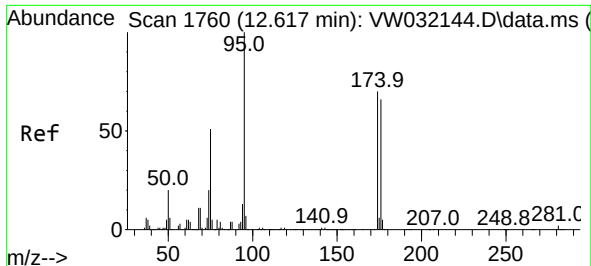
Tgt Ion:113 Resp: 68006
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.9 125.9
 192 18.0 14.6 21.8



#50
 Toluene-d8
 Concen: 48.817 ug/l
 RT: 10.325 min Scan# 1384
 Delta R.T. -0.000 min
 Lab File: VW032158.D
 Acq: 28 Aug 2025 14:25

Tgt Ion: 98 Resp: 212020
 Ion Ratio Lower Upper
 98 100
 100 66.5 51.4 77.2

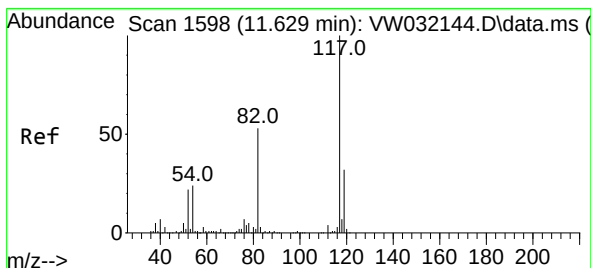
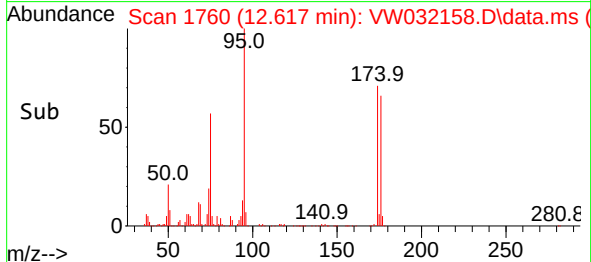
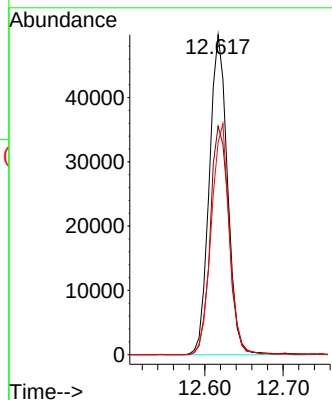
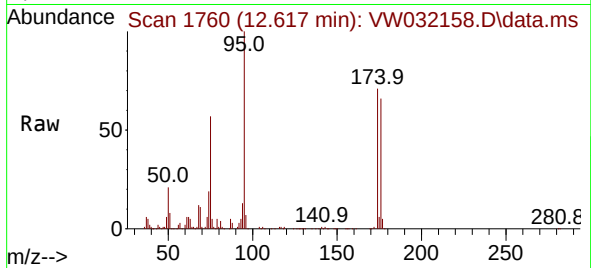




#62
4-Bromofluorobenzene
Concen: 49.945 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:25

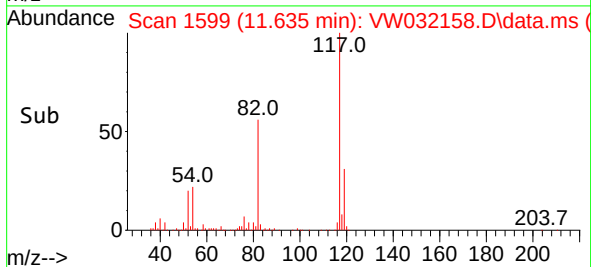
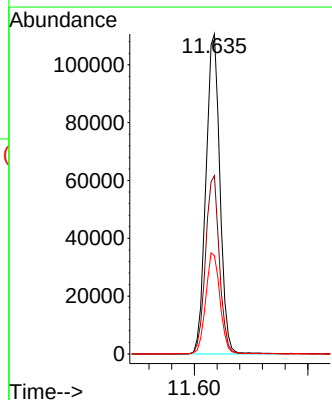
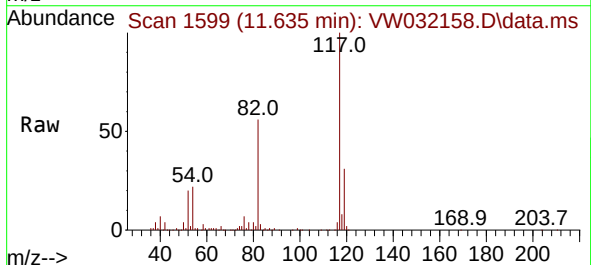
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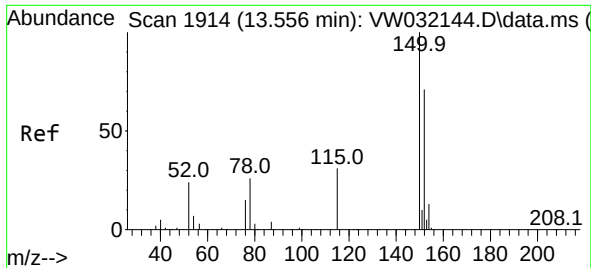
Tgt Ion: 95 Resp: 80213
Ion Ratio Lower Upper
95 100
174 73.8 0.0 145.6
176 71.7 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:25

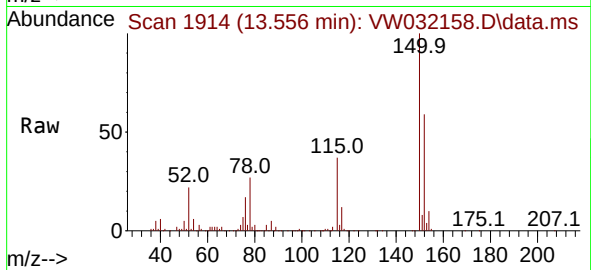
Tgt Ion: 117 Resp: 189158
Ion Ratio Lower Upper
117 100
82 55.7 42.7 64.1
119 30.6 25.2 37.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032158.D
 Acq: 28 Aug 2025 14:25

Instrument :
 MSVOA_W
 ClientSampleId :
 TP7



Tgt Ion:152 Resp: 95371
 Ion Ratio Lower Upper
 152 100
 115 61.2 31.8 95.4
 150 158.4 0.0 343.0

