

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093025\
 Data File : VW032306.D
 Acq On : 30 Sep 2025 16:19
 Operator : SY/MD
 Sample : Q3245-10
 Misc : 5.27g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 12-8

Quant Time: Oct 01 00:55:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	189959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	428357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	456247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	231089	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	178248	59.428	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	118.860%
35) Dibromofluoromethane	7.898	113	149313	48.469	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.940%
50) Toluene-d8	10.325	98	560662	50.499	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.000%
62) 4-Bromofluorobenzene	12.617	95	222491	53.127	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	106.260%

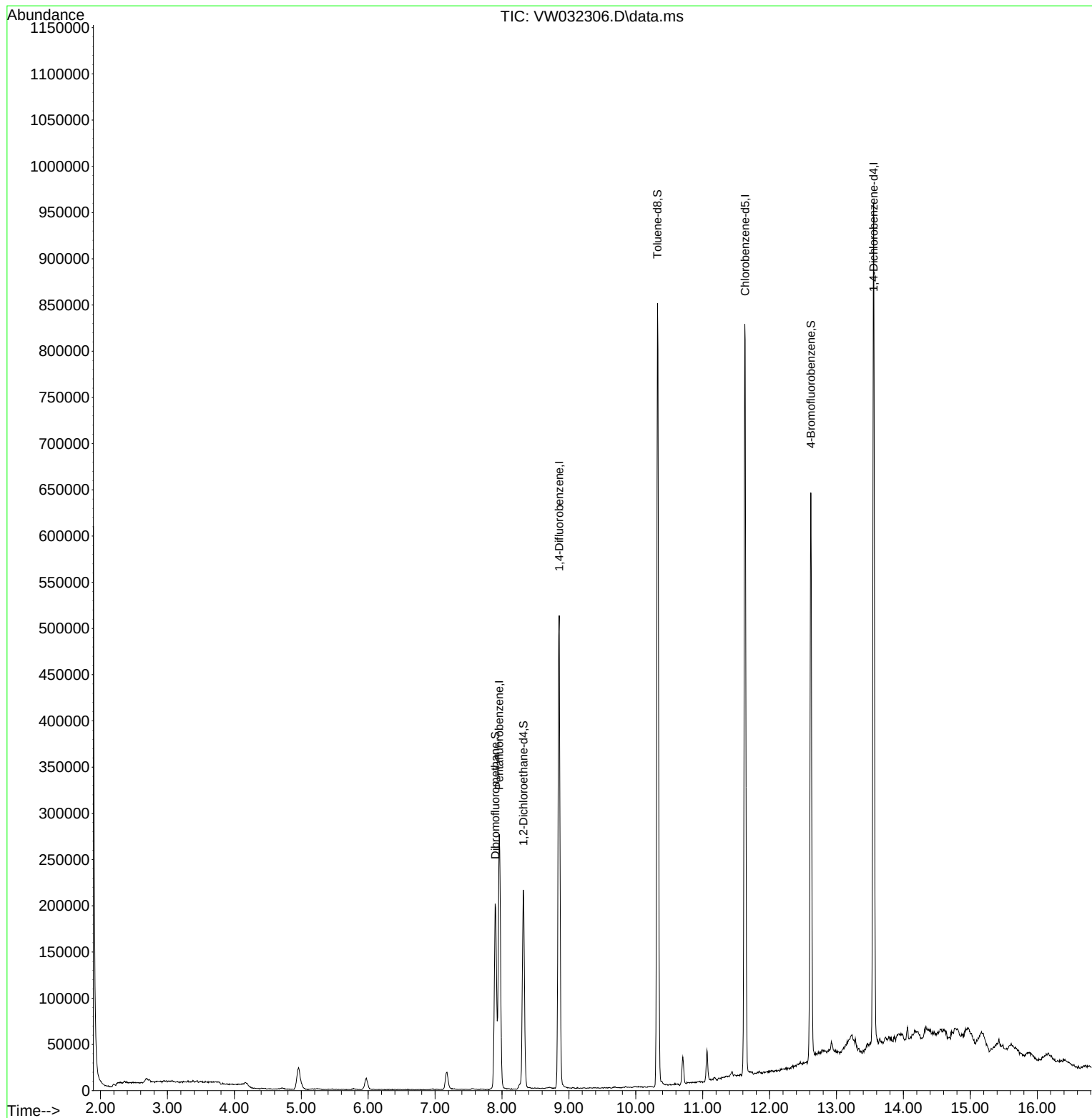
Target Compounds	Qvalue

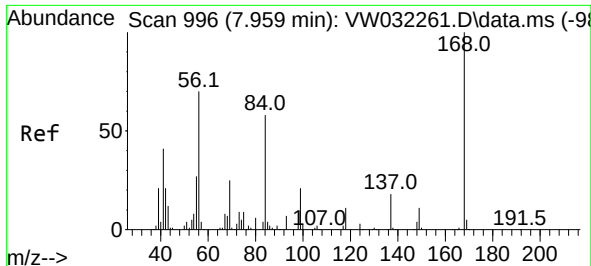
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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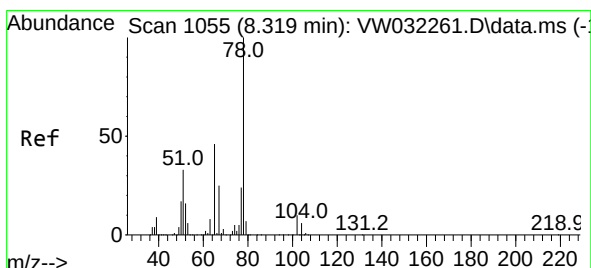
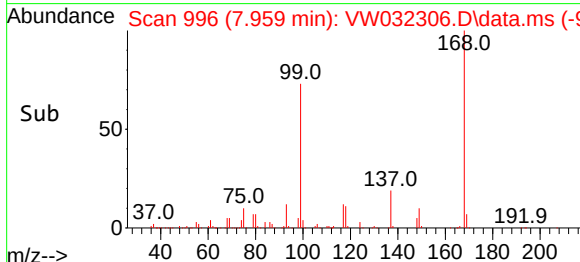
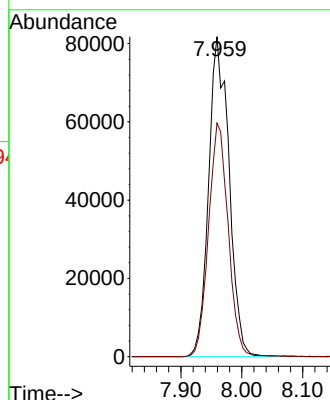
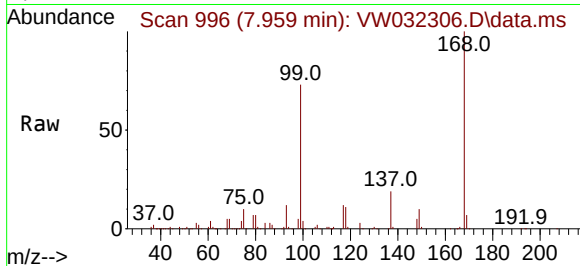




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032306.D
Acq: 30 Sep 2025 16:19

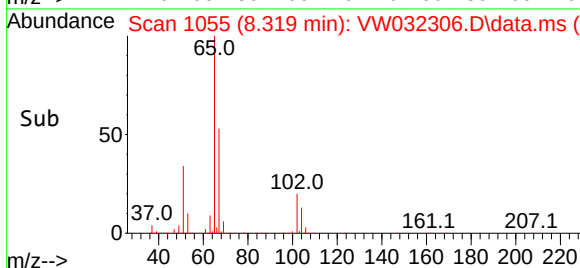
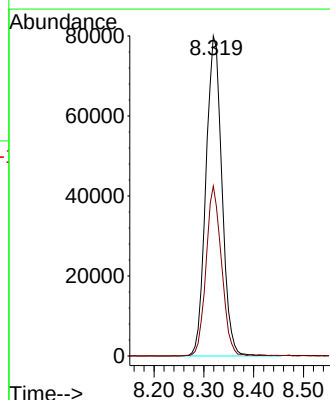
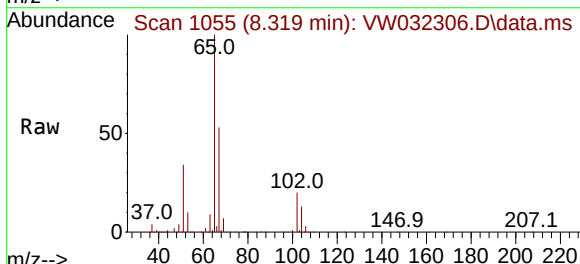
Instrument :
MSVOA_W
ClientSampleId :
12-8

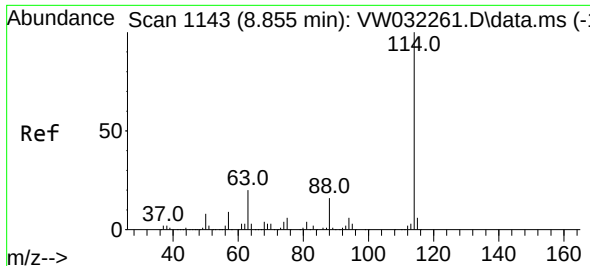
Tgt Ion:168 Resp: 189959
Ion Ratio Lower Upper
168 100
99 73.0 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 59.428 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032306.D
Acq: 30 Sep 2025 16:19

Tgt Ion: 65 Resp: 178248
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.8

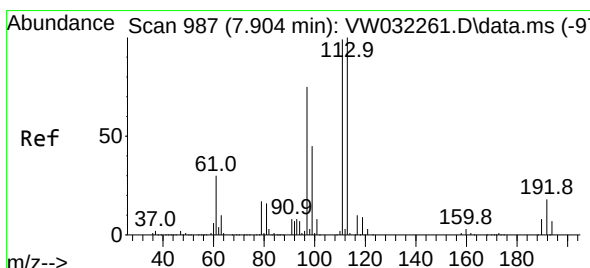
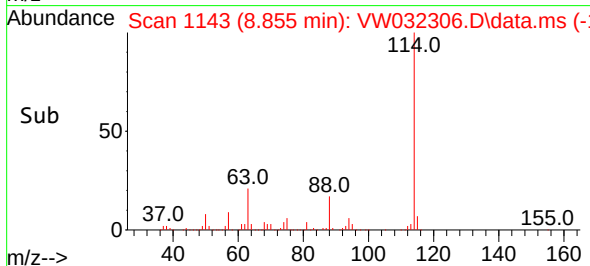
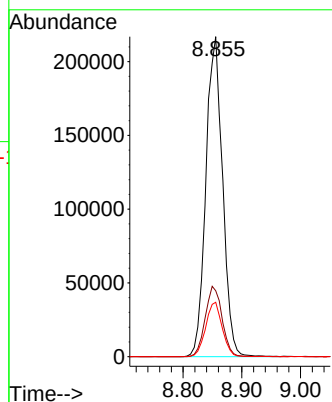
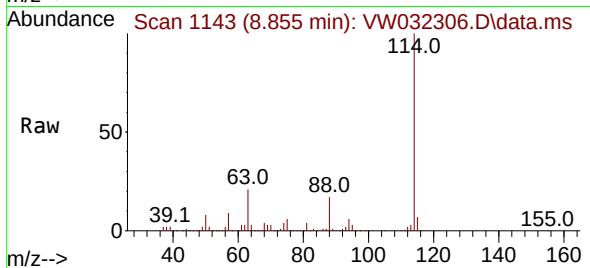




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032306.D
Acq: 30 Sep 2025 16:19

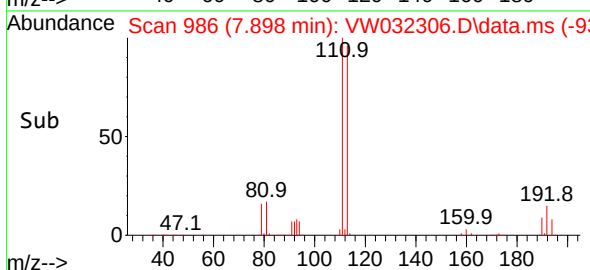
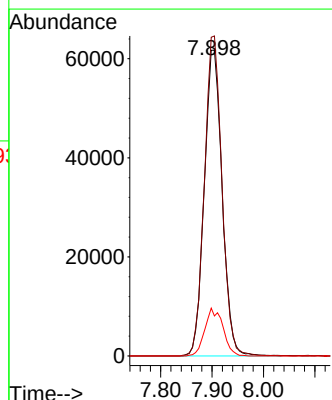
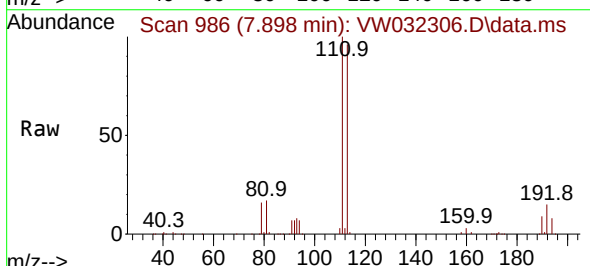
Instrument :
MSVOA_W
ClientSampleId :
12-8

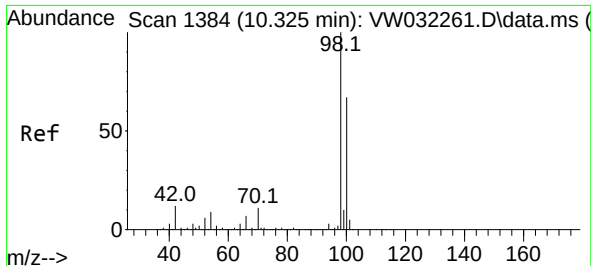
Tgt Ion:114 Resp: 428357
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.2
88 17.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 48.469 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032306.D
Acq: 30 Sep 2025 16:19

Tgt Ion:113 Resp: 149313
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 15.9 13.0 19.4

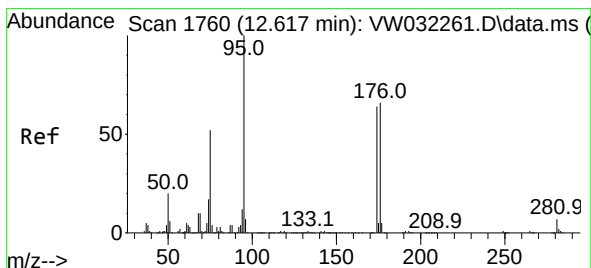
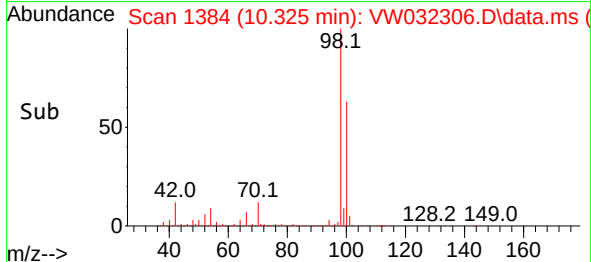
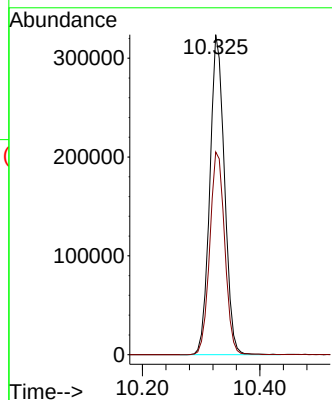
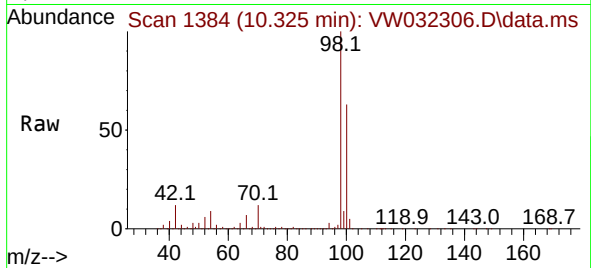




#50
Toluene-d8
Concen: 50.499 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032306.D
Acq: 30 Sep 2025 16:19

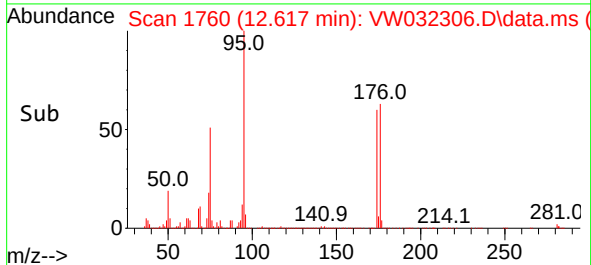
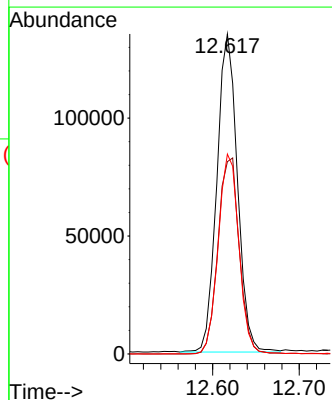
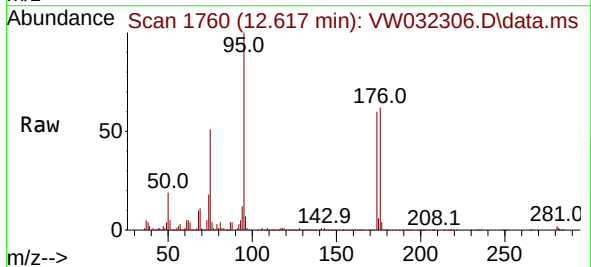
Instrument :
MSVOA_W
ClientSampleId :
12-8

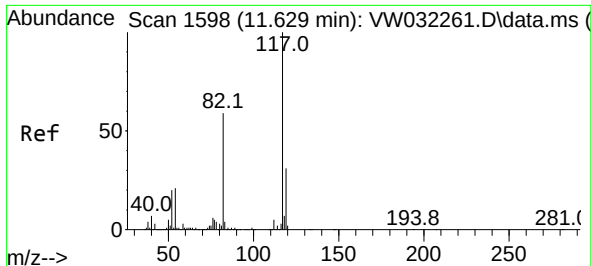
Tgt Ion: 98 Resp: 560662
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 53.127 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032306.D
Acq: 30 Sep 2025 16:19

Tgt Ion: 95 Resp: 222491
Ion Ratio Lower Upper
95 100
174 64.2 0.0 130.6
176 63.1 0.0 127.0

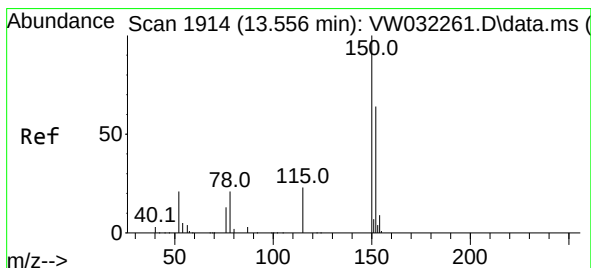
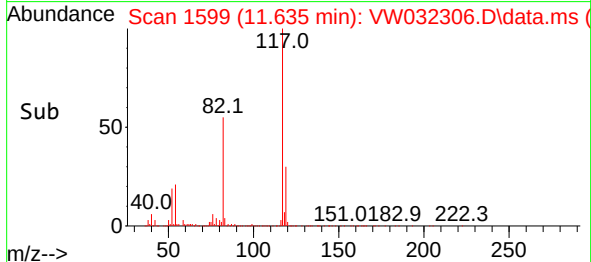
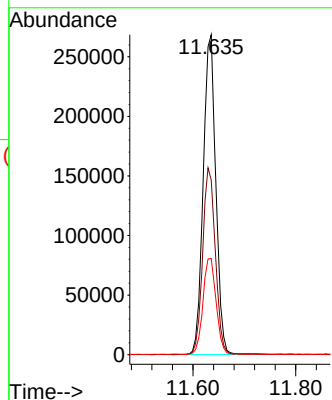
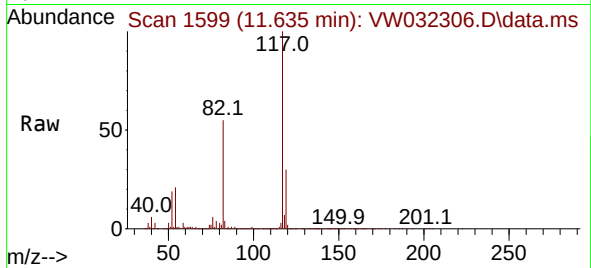




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032306.D
Acq: 30 Sep 2025 16:19

Instrument :
MSVOA_W
ClientSampleId :
12-8

Tgt Ion:117 Resp: 456247
Ion Ratio Lower Upper
117 100
82 54.5 46.9 70.3
119 30.0 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032306.D
Acq: 30 Sep 2025 16:19

Tgt Ion:152 Resp: 231089
Ion Ratio Lower Upper
152 100
115 64.0 32.5 97.5
150 155.8 0.0 370.2

