

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032275.D
 Acq On : 26 Sep 2025 13:18
 Operator : SY/MD
 Sample : Q3209-01RE
 Misc : 5.00g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-02-092525RE

Quant Time: Sep 27 04:35:50 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	7.965	168	44182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	83303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	79756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	34619	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	30215	43.311	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	86.620%
35) Dibromofluoromethane	7.904	113	26472	44.187	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.380%
50) Toluene-d8	10.331	98	87911	40.716	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	81.440%
62) 4-Bromofluorobenzene	12.617	95	30480	37.425	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	74.860%

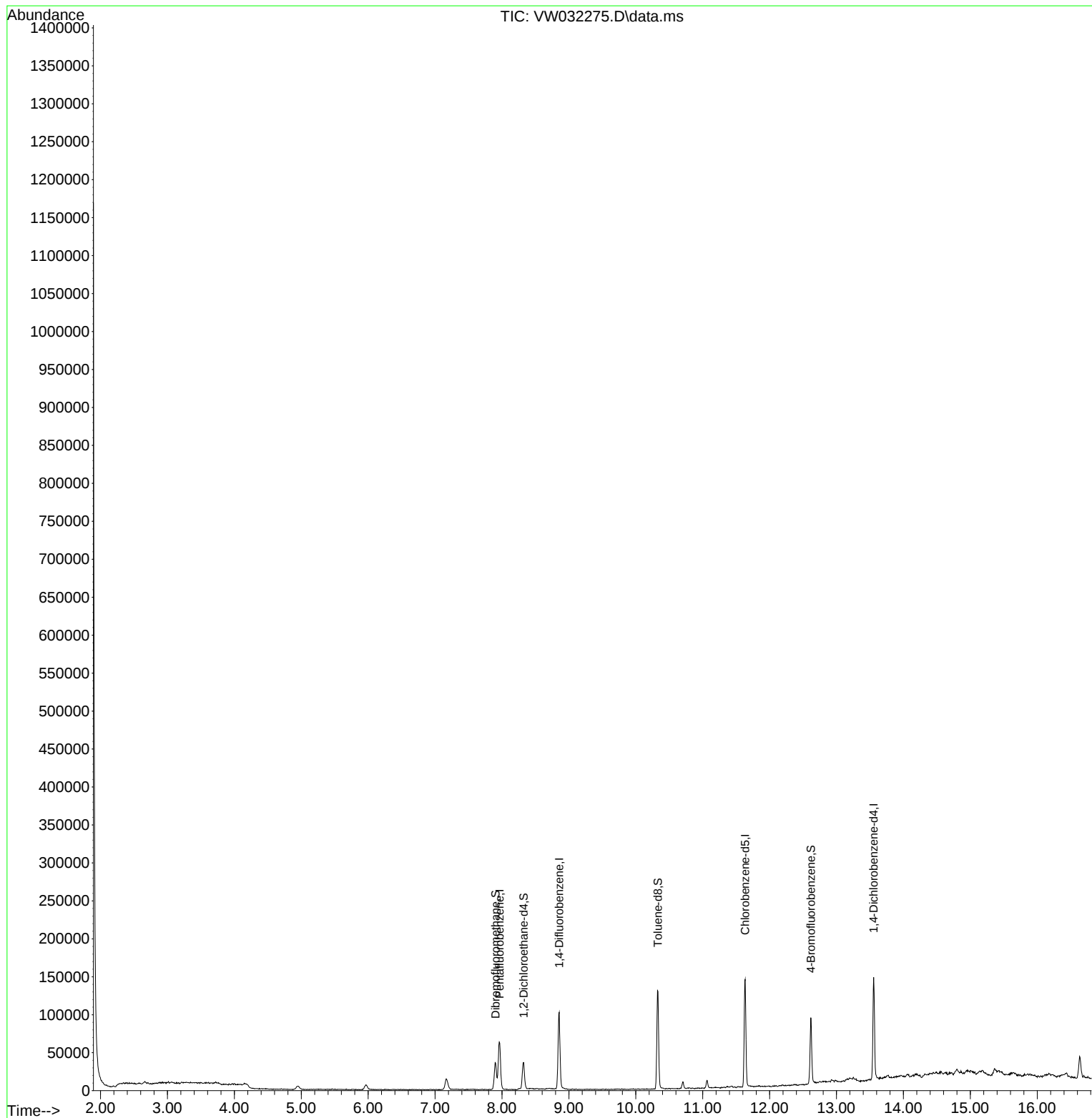
Target Compounds	Qvalue

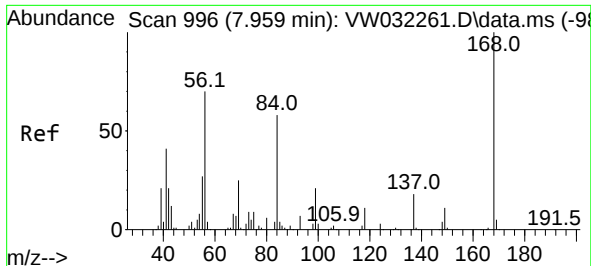
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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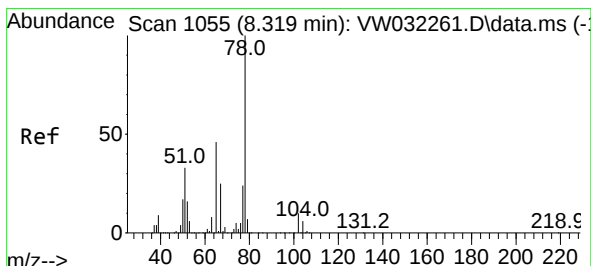
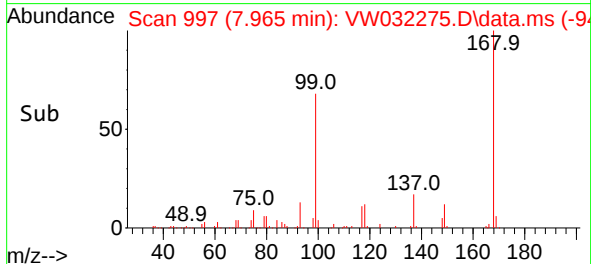
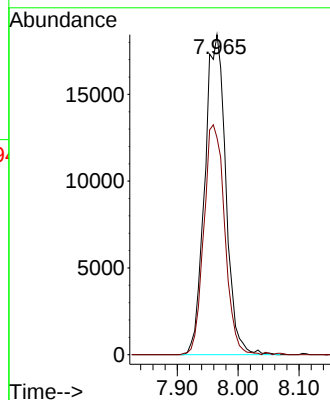
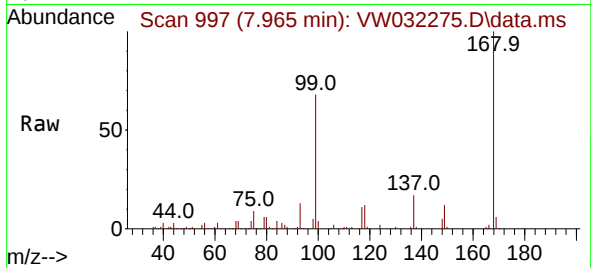




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032275.D
Acq: 26 Sep 2025 13:18

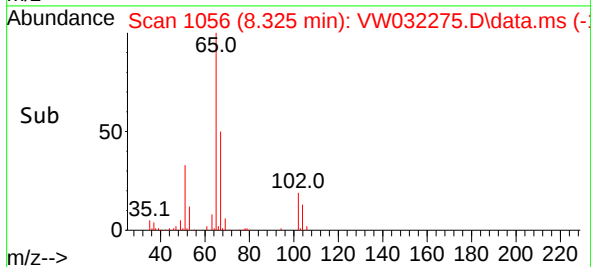
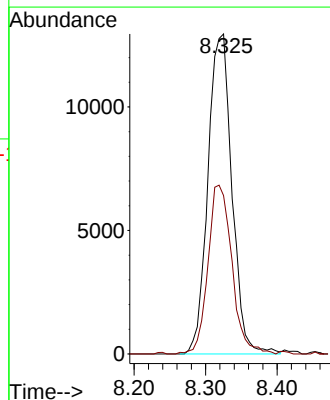
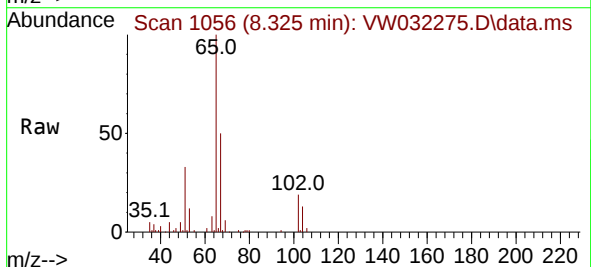
Instrument :
MSVOA_W
ClientSampleId :
PL-02-092525RE

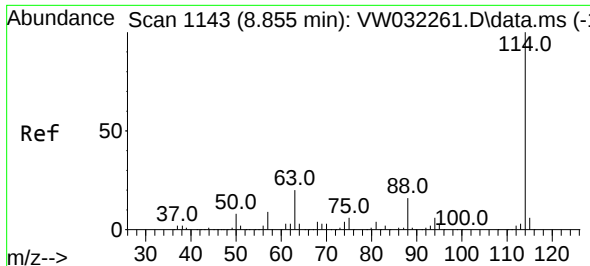
Tgt Ion:168 Resp: 44182
Ion Ratio Lower Upper
168 100
99 67.8 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 43.311 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW032275.D
Acq: 26 Sep 2025 13:18

Tgt Ion: 65 Resp: 30215
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

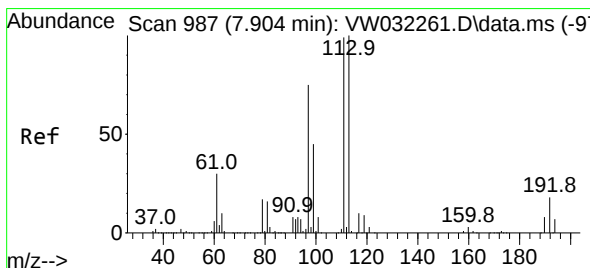
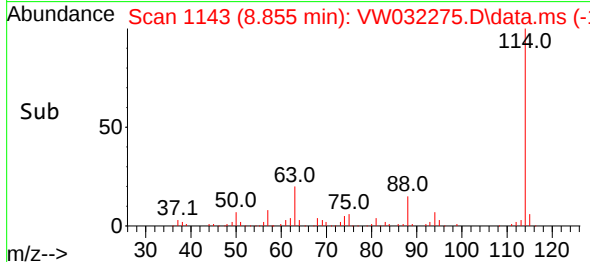
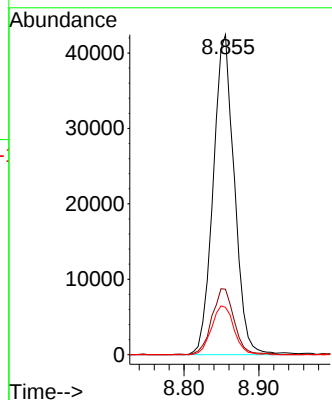
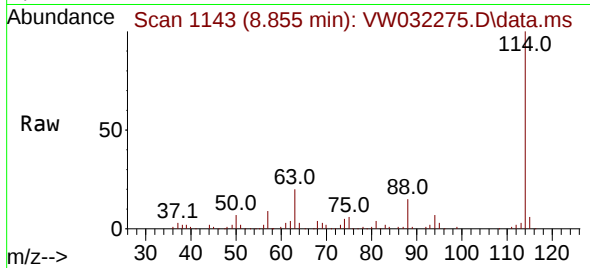




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032275.D
Acq: 26 Sep 2025 13:18

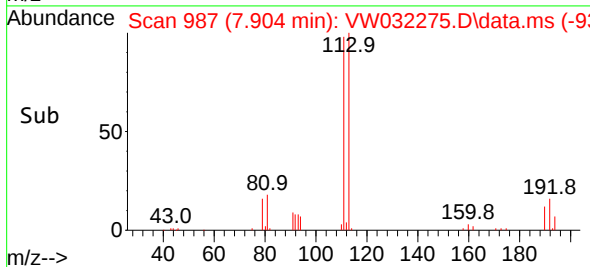
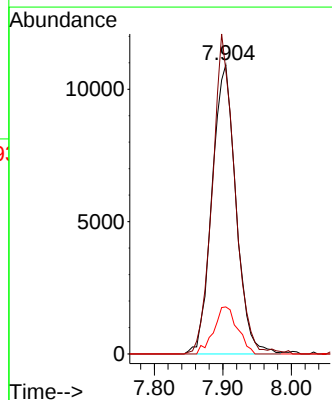
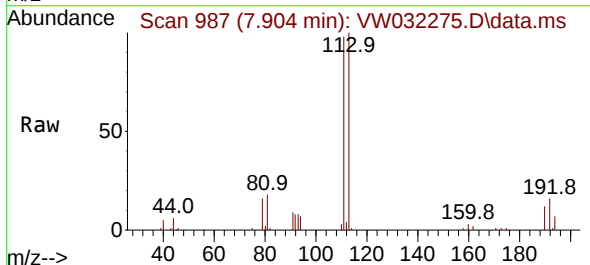
Instrument :
MSVOA_W
ClientSampleId :
PL-02-092525RE

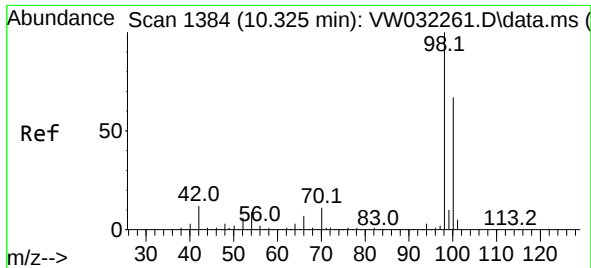
Tgt Ion:114 Resp: 83303
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.2
88 14.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 44.187 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032275.D
Acq: 26 Sep 2025 13:18

Tgt Ion:113 Resp: 26472
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.8
192 16.1 13.0 19.4

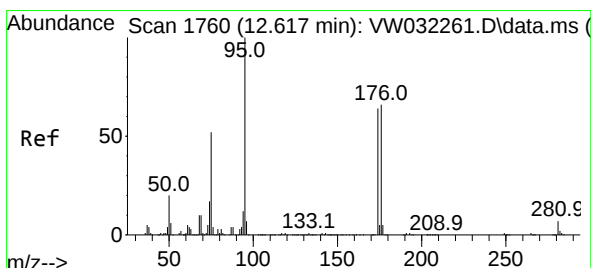
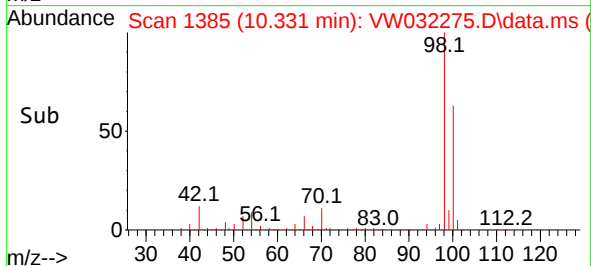
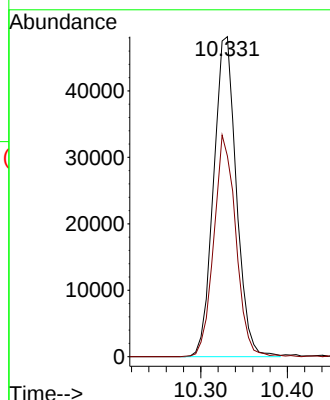
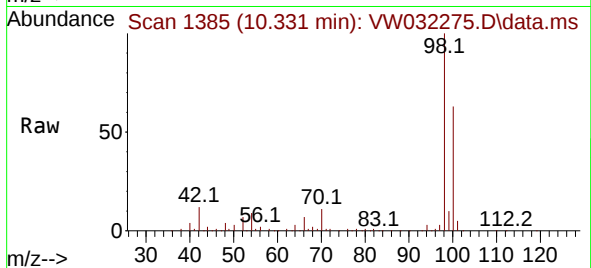




#50
Toluene-d8
Concen: 40.716 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032275.D
Acq: 26 Sep 2025 13:18

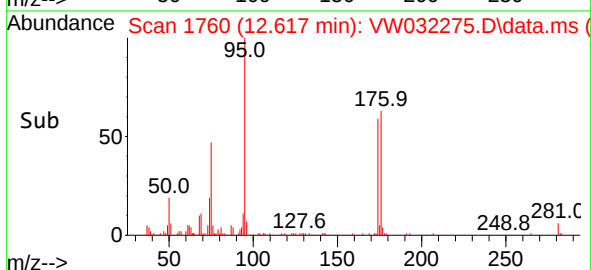
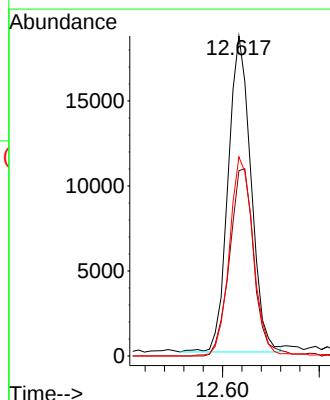
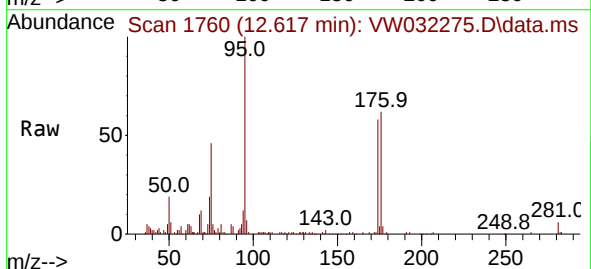
Instrument :
MSVOA_W
ClientSampleId :
PL-02-092525RE

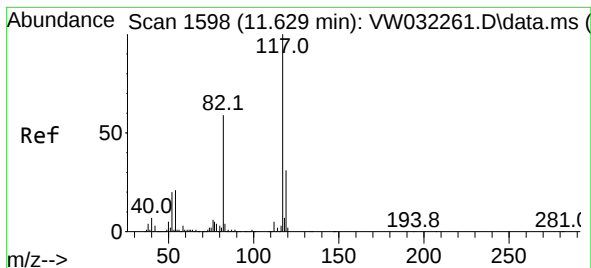
Tgt Ion: 98 Resp: 87911
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 37.425 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032275.D
Acq: 26 Sep 2025 13:18

Tgt Ion: 95 Resp: 30480
Ion Ratio Lower Upper
95 100
174 63.4 0.0 130.6
176 66.3 0.0 127.0

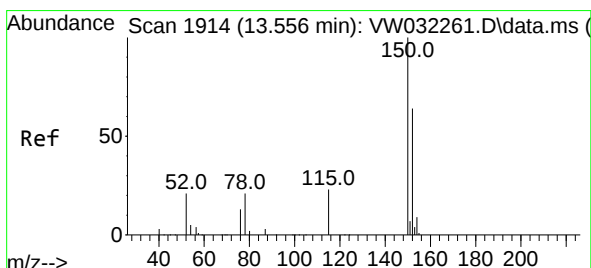
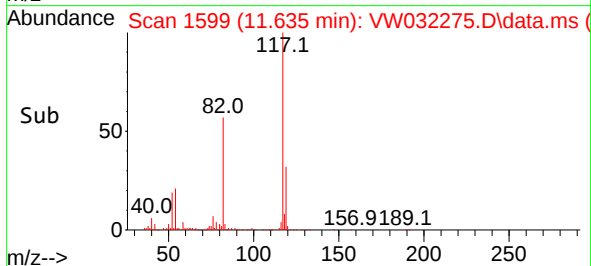
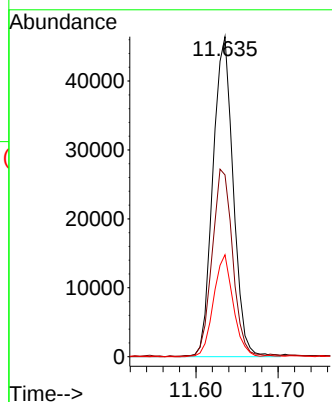
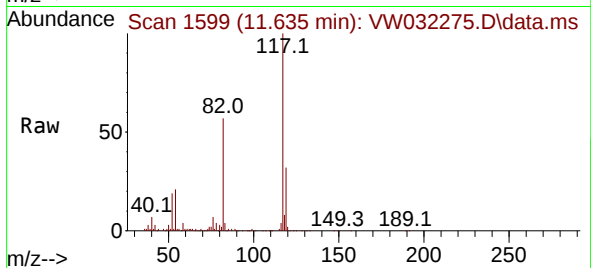




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032275.D
Acq: 26 Sep 2025 13:18

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion:	117	Resp:	79756
Ion Ratio	Lower	Upper	
117	100		
82	56.6	46.9	70.3
119	31.9	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: VW032275.D
Acq: 26 Sep 2025 13:18

Tgt Ion:	152	Resp:	34619
Ion Ratio	Lower	Upper	
152	100		
115	64.0	32.5	97.5
150	162.2	0.0	370.2

