

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW093025\
 Data File : VW032308.D
 Acq On : 30 Sep 2025 17:04
 Operator : SY/MD
 Sample : Q3240-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-092925

Quant Time: Oct 01 00:56:11 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	198897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	419771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	434779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	205652	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	184631	58.790	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.580%
35) Dibromofluoromethane	7.904	113	153061	50.702	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.400%
50) Toluene-d8	10.325	98	569299	52.326	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	104.660%
62) 4-Bromofluorobenzene	12.617	95	202930	49.447	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.900%

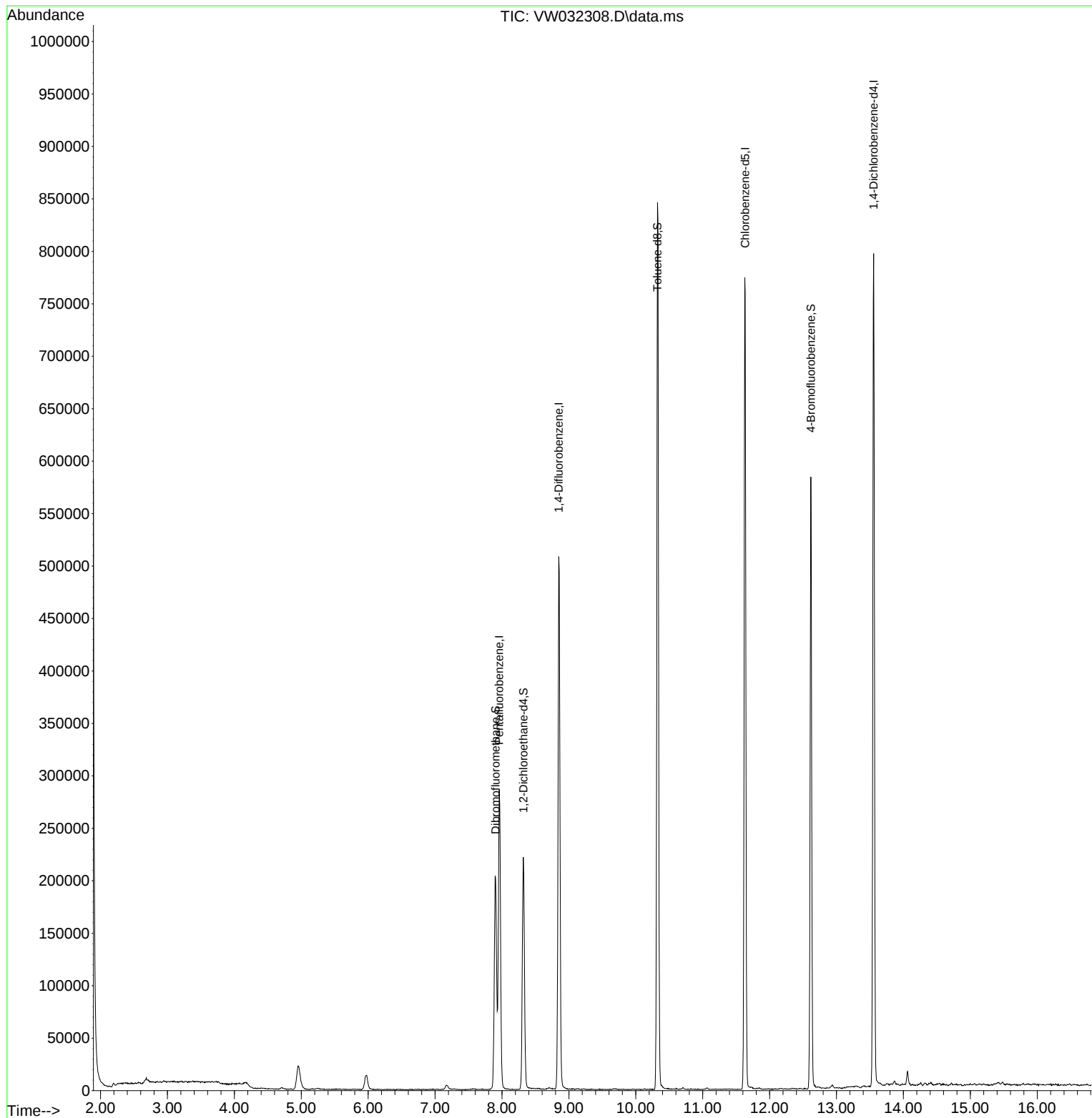
Target Compounds	Qvalue

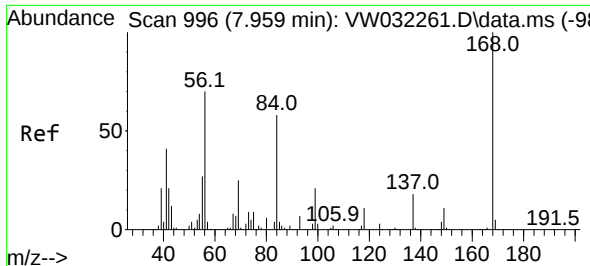
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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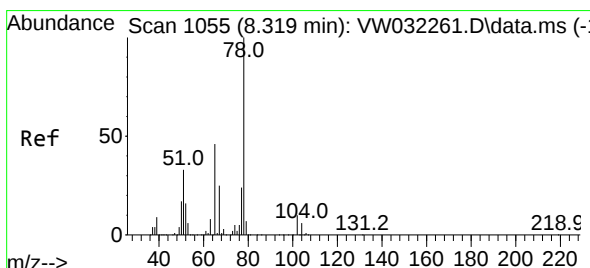
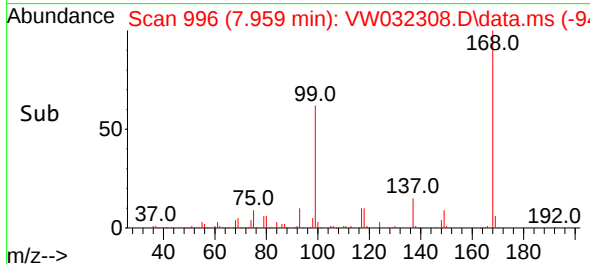
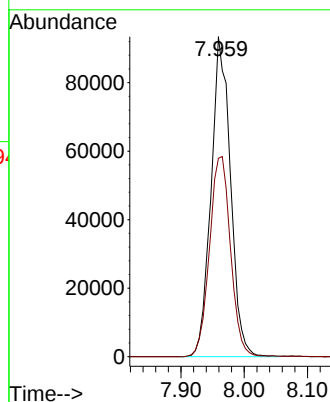
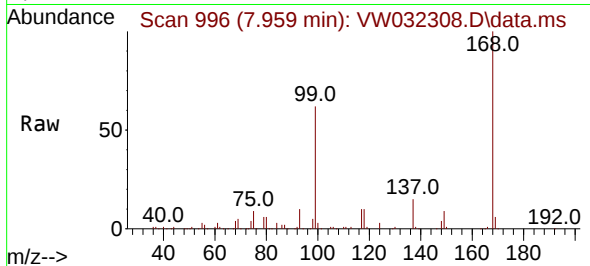




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032308.D
Acq: 30 Sep 2025 17:04

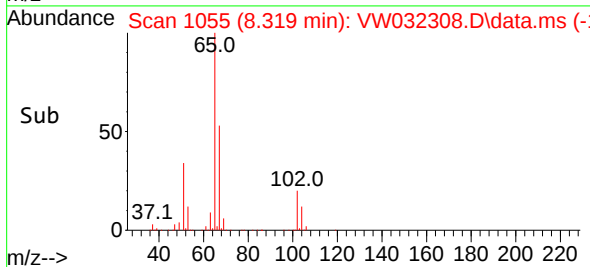
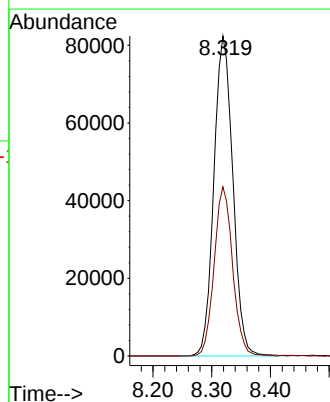
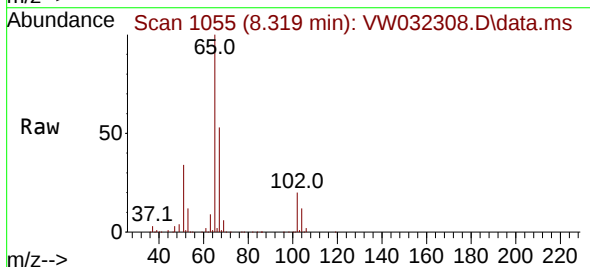
Instrument :
MSVOA_W
ClientSampleId :
OK-02-092925

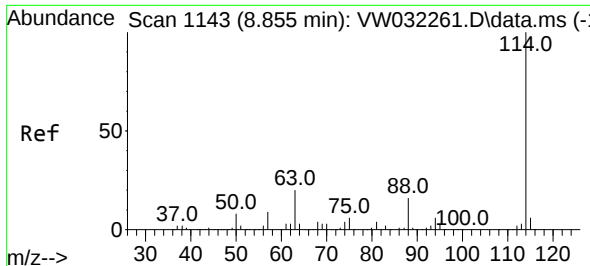
Tgt Ion:168 Resp: 198897
Ion Ratio Lower Upper
168 100
99 62.0 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 58.790 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032308.D
Acq: 30 Sep 2025 17:04

Tgt Ion: 65 Resp: 184631
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.8

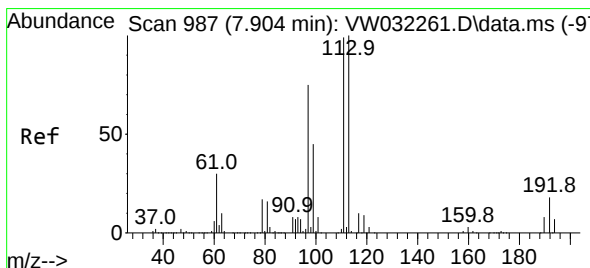
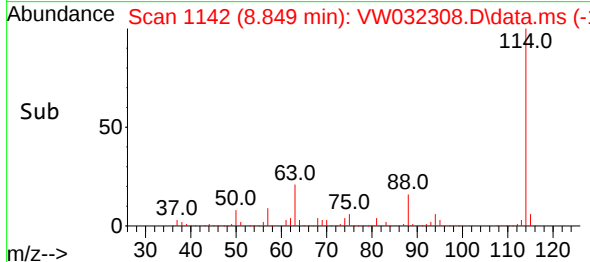
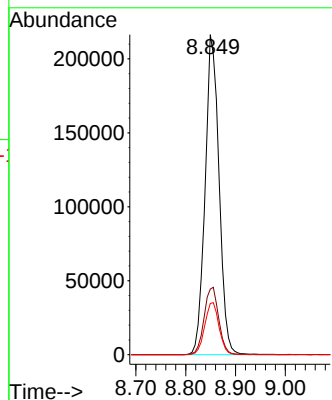
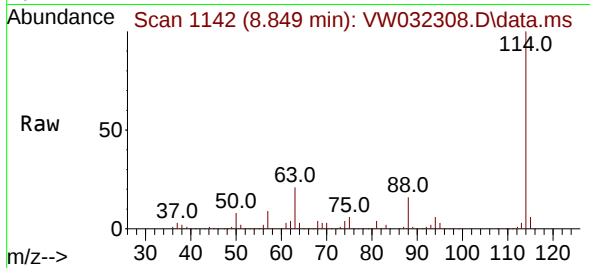




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032308.D
Acq: 30 Sep 2025 17:04

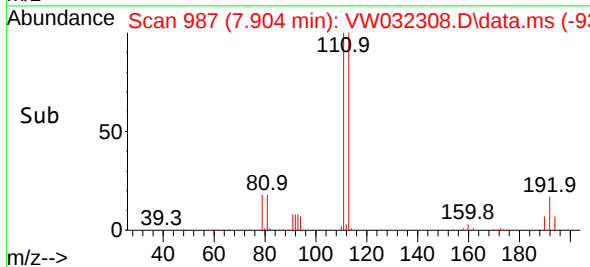
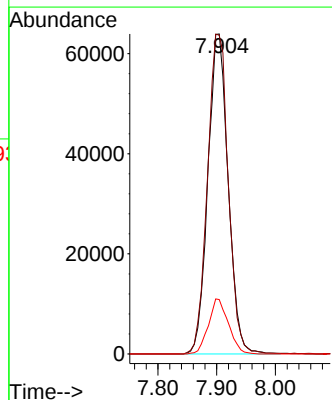
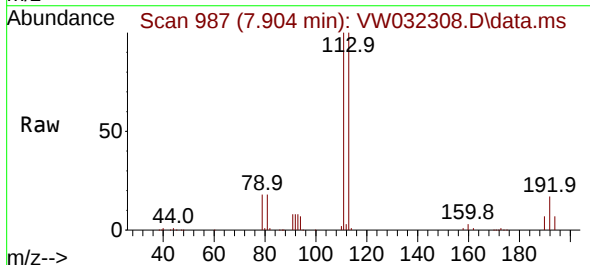
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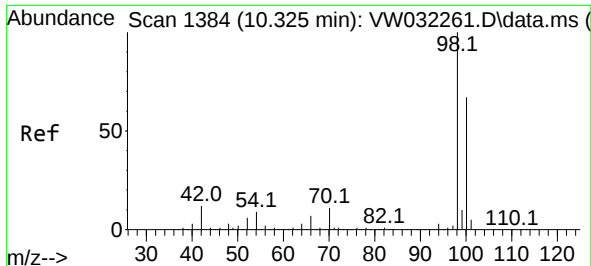
Tgt Ion:114 Resp: 419771
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.2
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.702 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032308.D
Acq: 30 Sep 2025 17:04

Tgt Ion:113 Resp: 153061
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 17.0 13.0 19.4

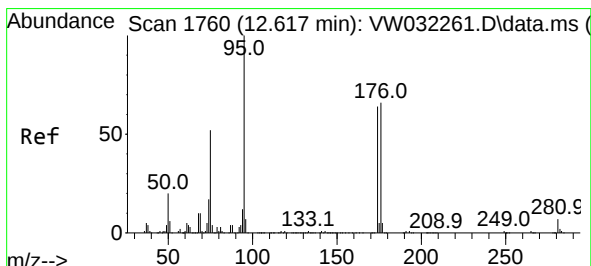
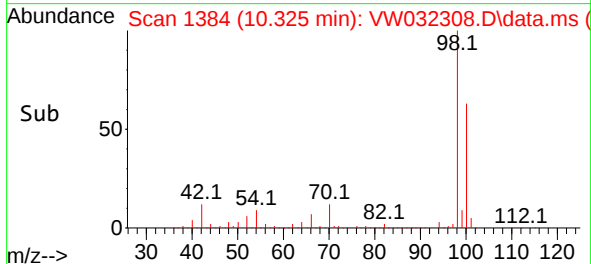
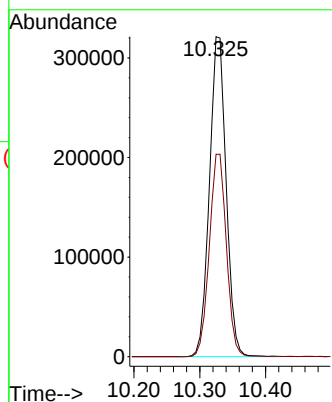
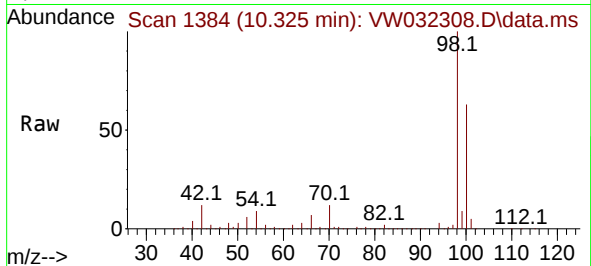




#50
Toluene-d8
Concen: 52.326 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032308.D
Acq: 30 Sep 2025 17:04

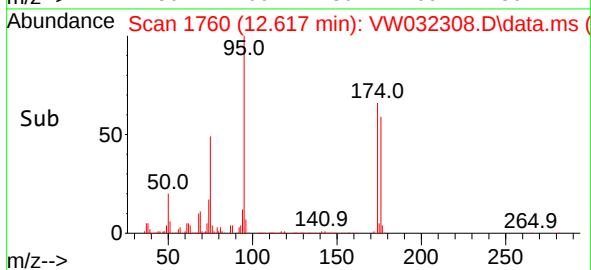
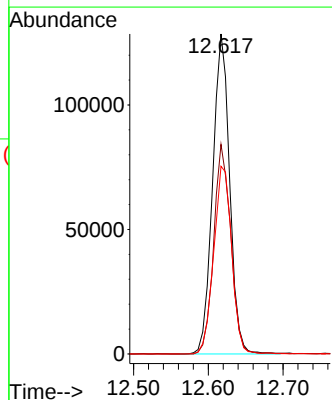
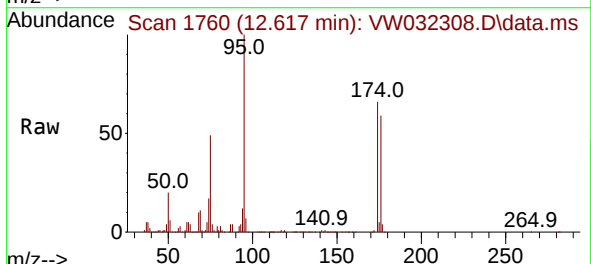
Instrument :
MSVOA_W
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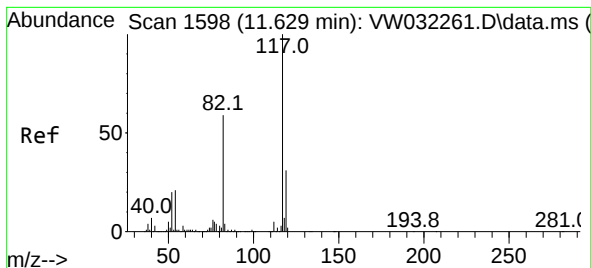
Tgt Ion: 98 Resp: 569299
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.447 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032308.D
Acq: 30 Sep 2025 17:04

Tgt Ion: 95 Resp: 202930
Ion Ratio Lower Upper
95 100
174 65.7 0.0 130.6
176 61.8 0.0 127.0

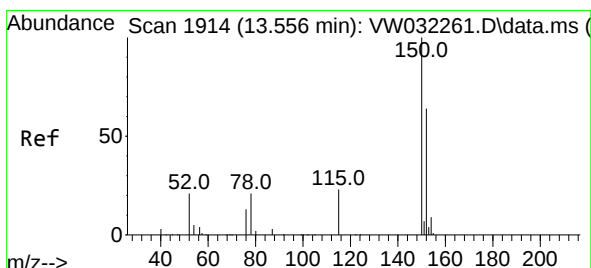
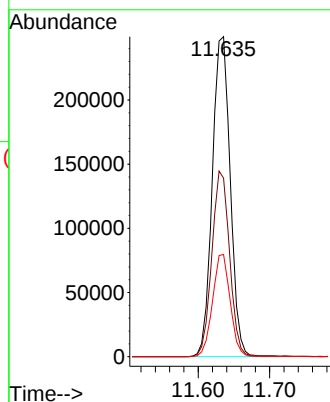
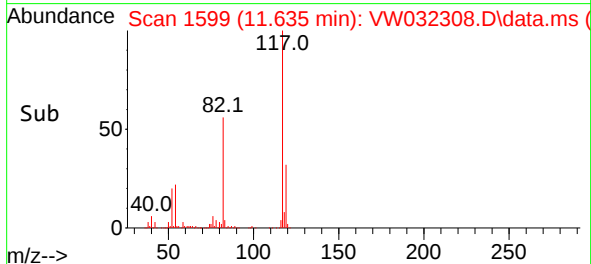
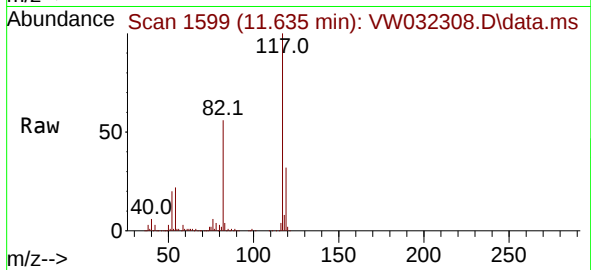




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032308.D
Acq: 30 Sep 2025 17:04

Instrument :
MSVOA_W
ClientSampleId :
OK-02-092925

Tgt Ion:117 Resp: 434779
Ion Ratio Lower Upper
117 100
82 55.8 46.9 70.3
119 32.0 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: VW032308.D
Acq: 30 Sep 2025 17:04

Tgt Ion:152 Resp: 205652
Ion Ratio Lower Upper
152 100
115 63.5 32.5 97.5
150 163.2 0.0 370.2

