

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111225\
 Data File : VW032443.D
 Acq On : 12 Nov 2025 16:43
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 14 05:20:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	209172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	524938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	551681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	252322	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	187789	69.636	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	139.280%
35) Dibromofluoromethane	7.904	113	162953	51.847	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	103.700%
50) Toluene-d8	10.331	98	596127	49.441	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.880%
62) 4-Bromofluorobenzene	12.617	95	231056	50.728	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.460%

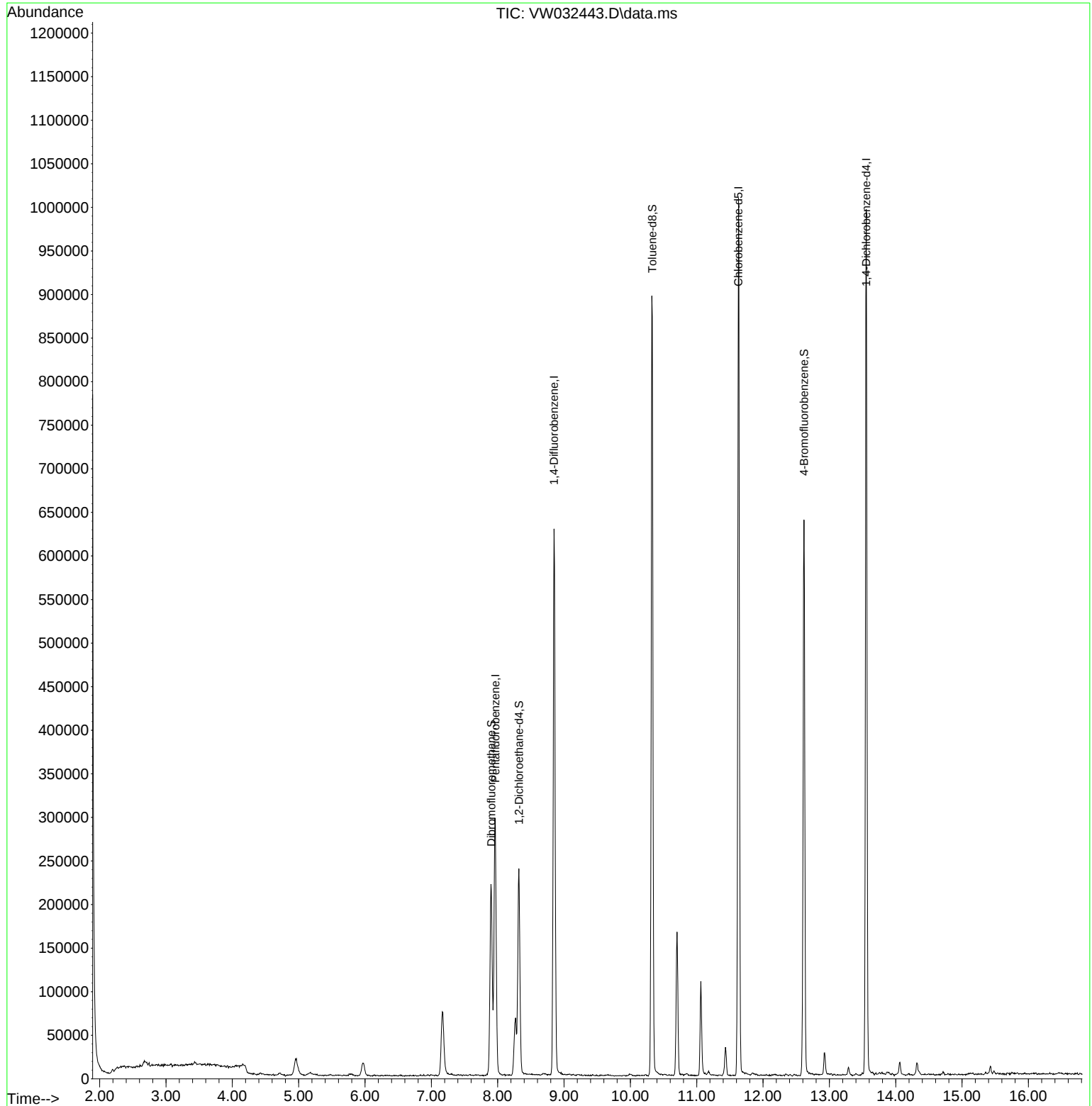
Target Compounds	Qvalue

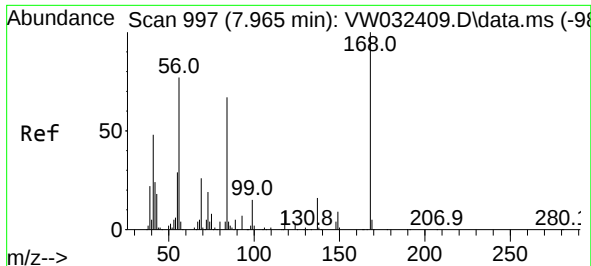
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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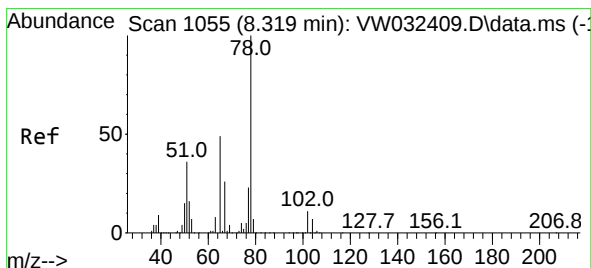
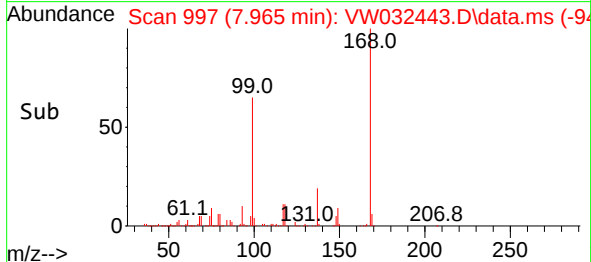
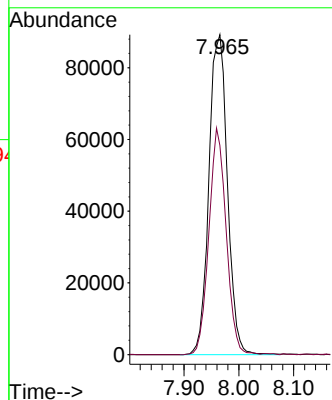
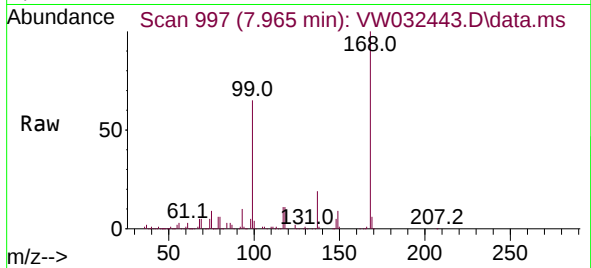




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

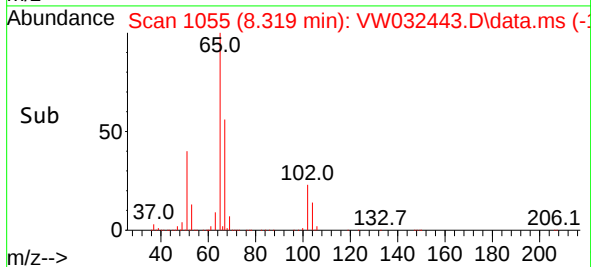
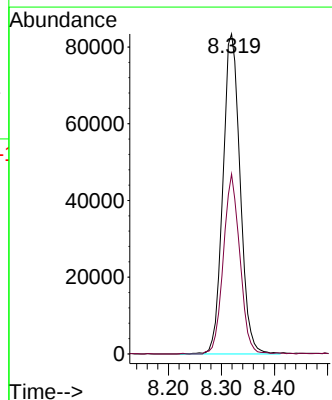
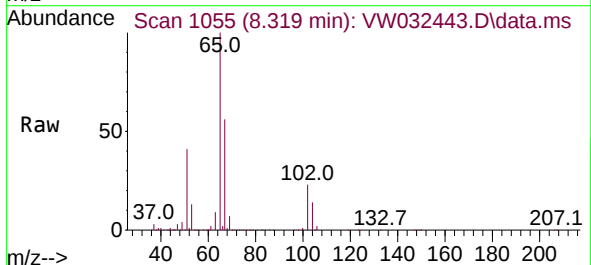
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

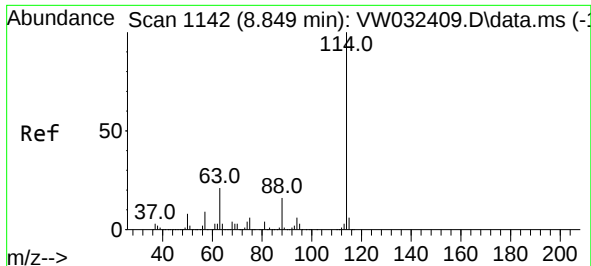
Tgt Ion:168 Resp: 209172
Ion Ratio Lower Upper
168 100
99 65.4 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 69.636 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

Tgt Ion: 65 Resp: 187789
Ion Ratio Lower Upper
65 100
67 53.8 0.0 106.8

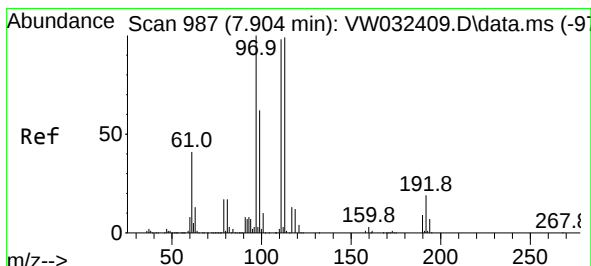
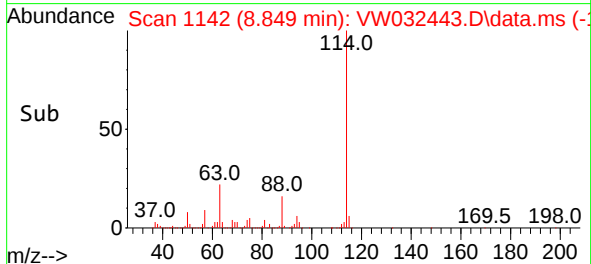
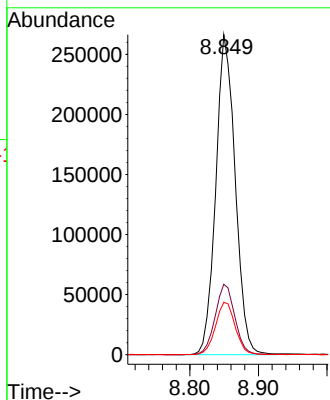
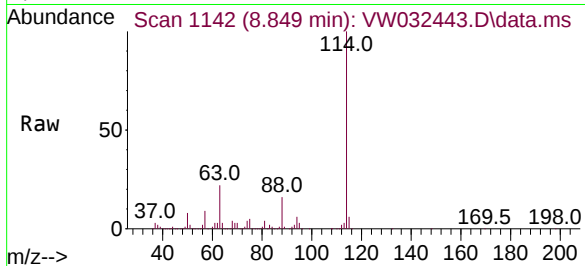




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032443.D
 Acq: 12 Nov 2025 16:43

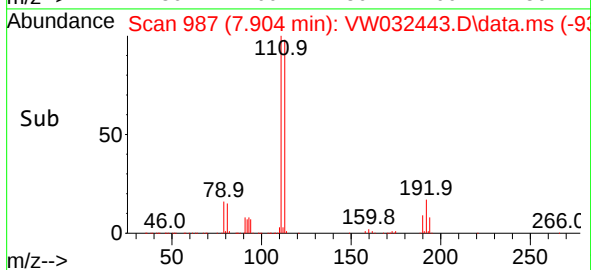
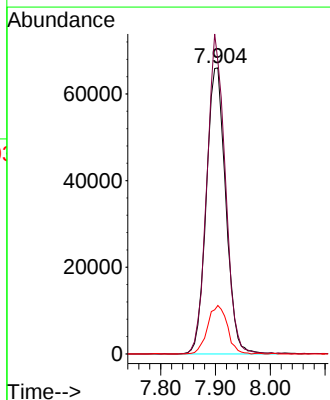
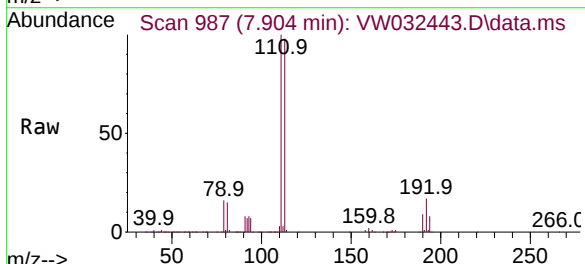
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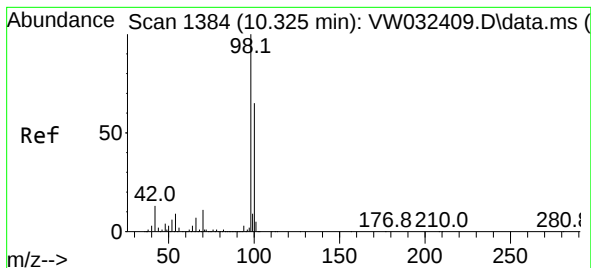
Tgt Ion:114 Resp: 524938
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 41.8
 88 16.3 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 51.847 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW032443.D
 Acq: 12 Nov 2025 16:43

Tgt Ion:113 Resp: 162953
 Ion Ratio Lower Upper
 113 100
 111 105.6 83.1 124.7
 192 17.2 13.4 20.2

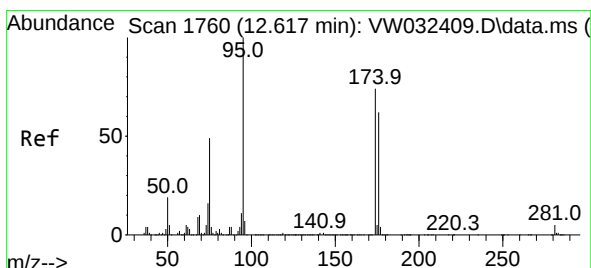
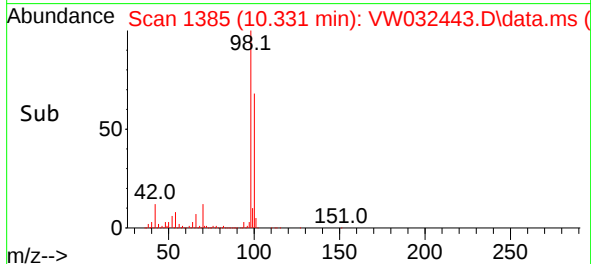
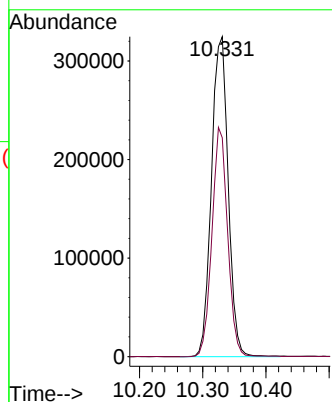
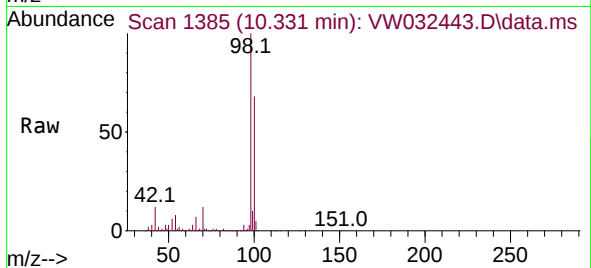




#50
Toluene-d8
Concen: 49.441 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

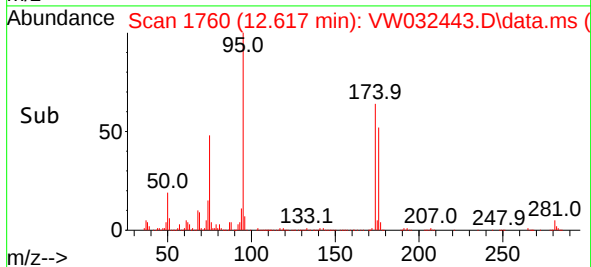
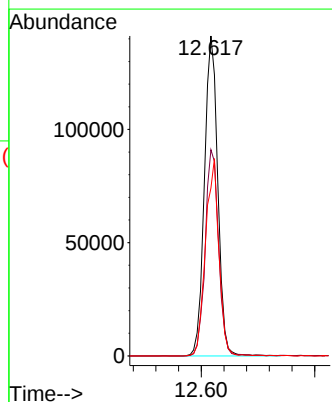
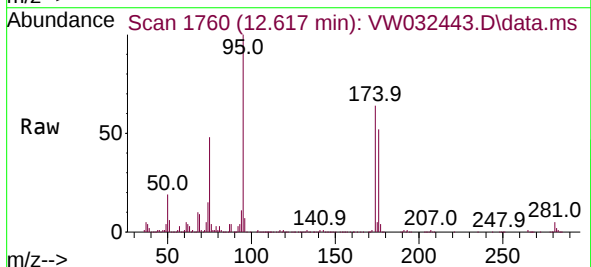
Instrument :
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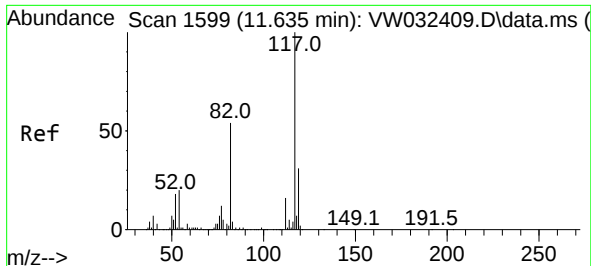
Tgt Ion: 98 Resp: 596127
Ion Ratio Lower Upper
98 100
100 67.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.728 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

Tgt Ion: 95 Resp: 231056
Ion Ratio Lower Upper
95 100
174 64.8 0.0 135.4
176 61.7 0.0 131.8

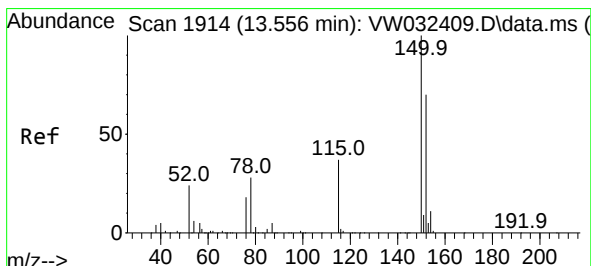
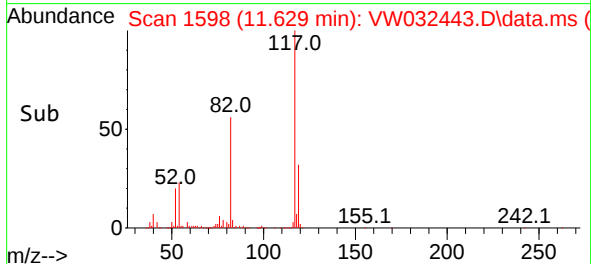
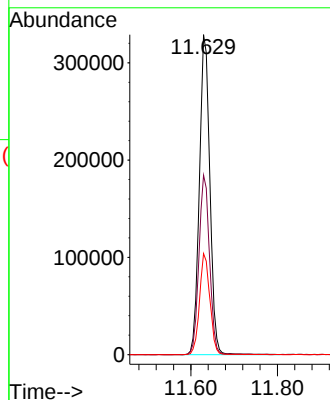
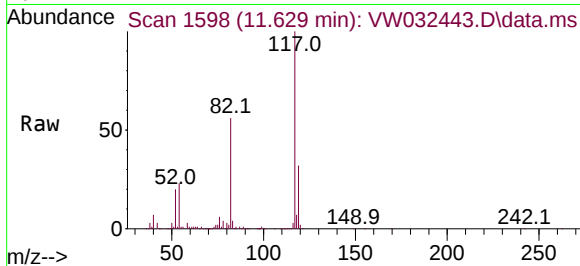




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 551681
Ion Ratio Lower Upper
117 100
82 56.1 43.0 64.4
119 31.6 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032443.D
Acq: 12 Nov 2025 16:43

Tgt Ion:152 Resp: 252322
Ion Ratio Lower Upper
152 100
115 65.3 32.8 98.3
150 154.2 0.0 356.6

