

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032540.D
 Acq On : 26 Nov 2025 13:49
 Operator : SY/MD
 Sample : Q3719-03
 Misc : 4.45g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-11A

Quant Time: Nov 27 00:28:04 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	193034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	464802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	514695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	246255	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	172035	69.127	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	138.260%
35) Dibromofluoromethane	7.904	113	149891	53.862	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	107.720%
50) Toluene-d8	10.325	98	515766	48.311	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	96.620%
62) 4-Bromofluorobenzene	12.617	95	227266	56.352	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	112.700%

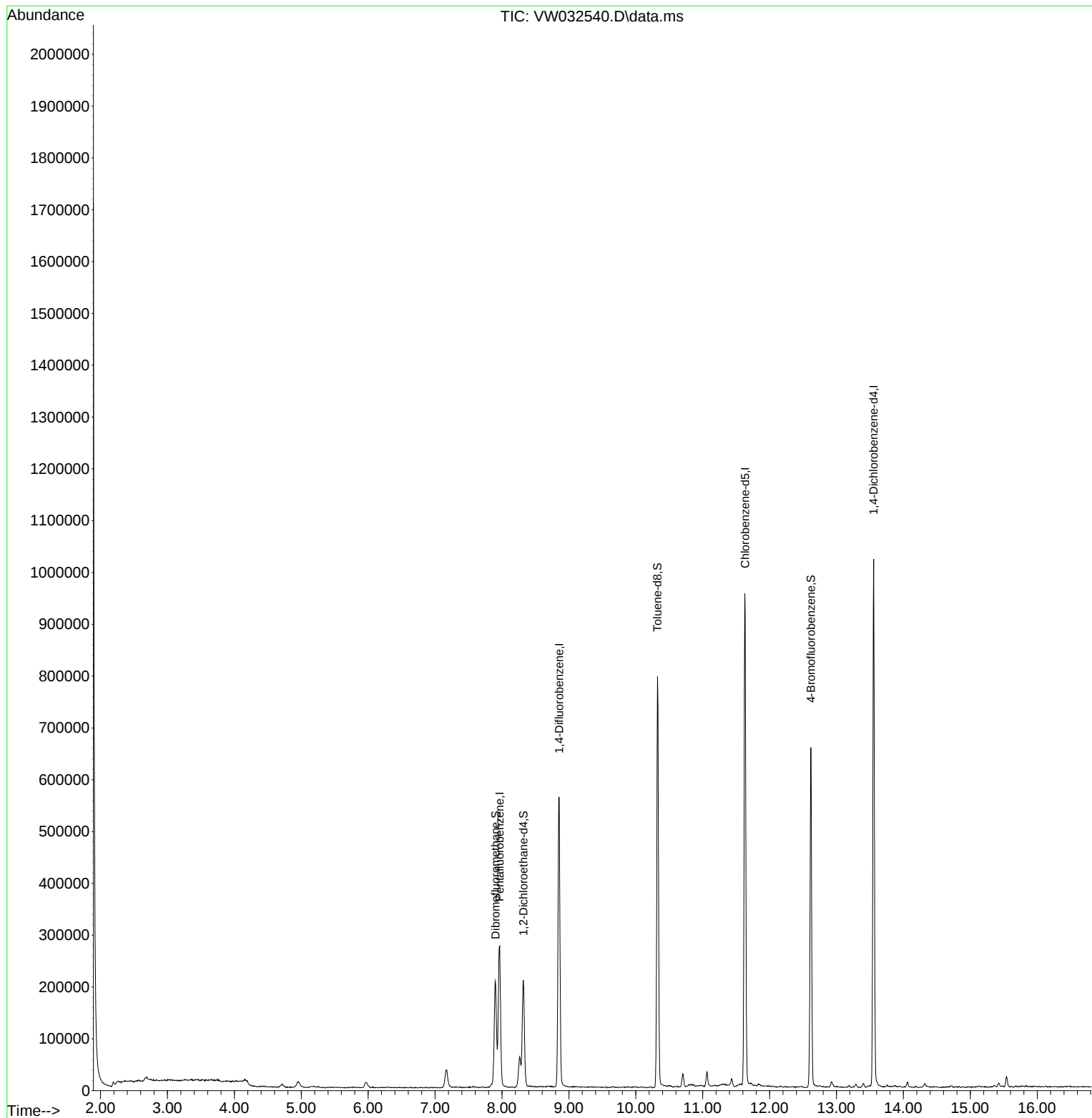
Target Compounds	Qvalue

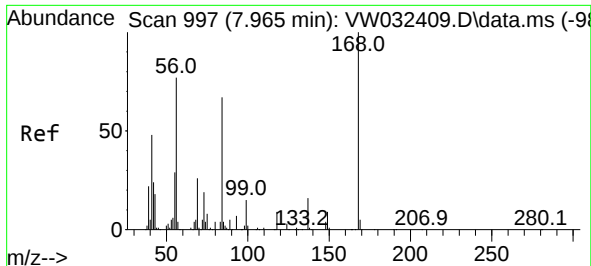
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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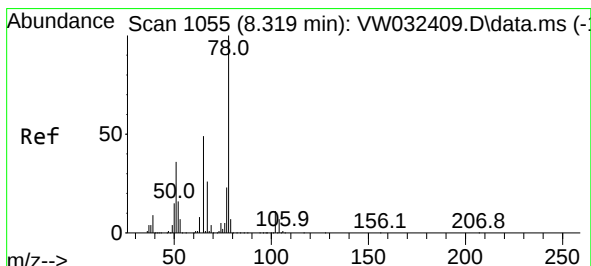
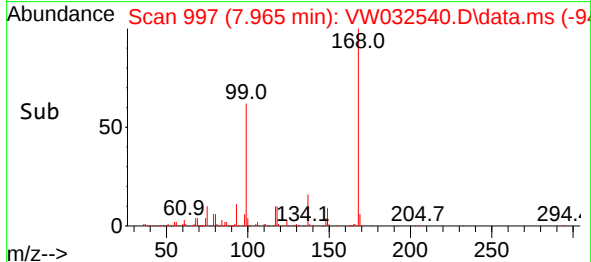
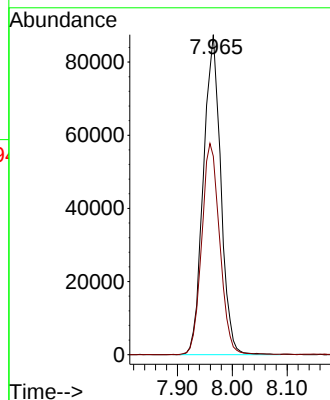
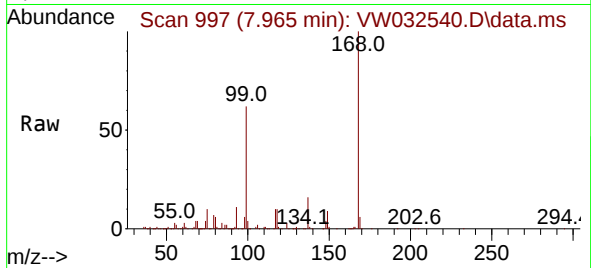




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

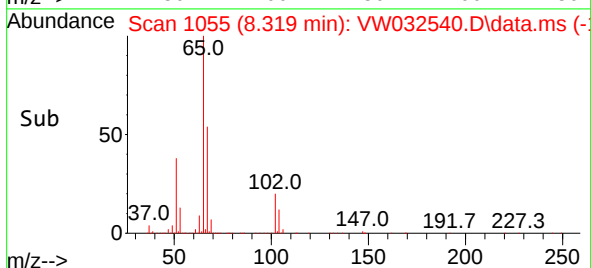
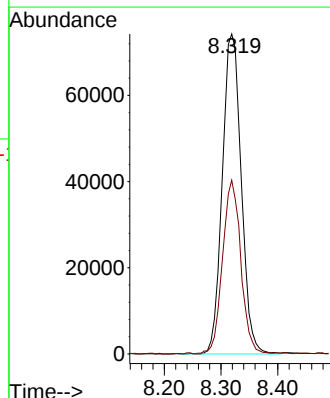
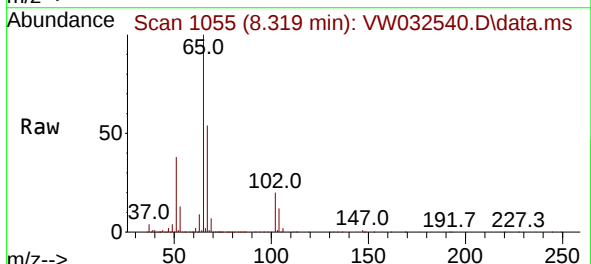
Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11A

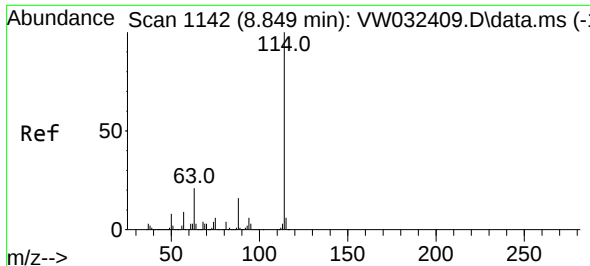
Tgt Ion:168 Resp: 193034
Ion Ratio Lower Upper
168 100
99 61.8 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 69.127 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion: 65 Resp: 172035
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8

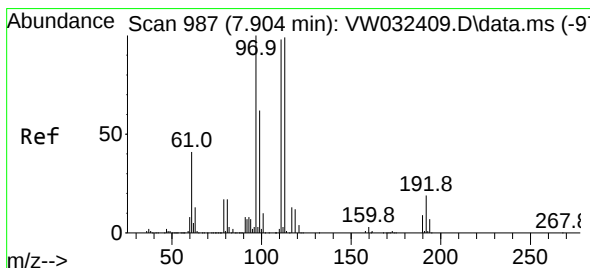
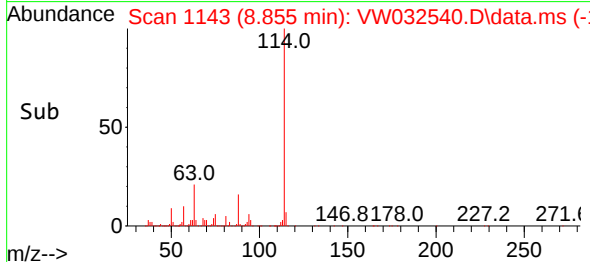
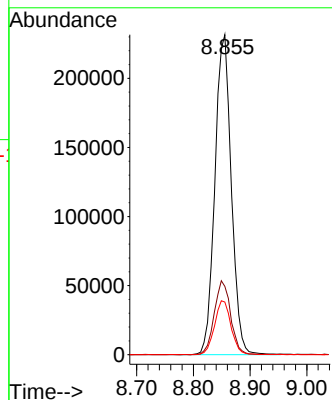
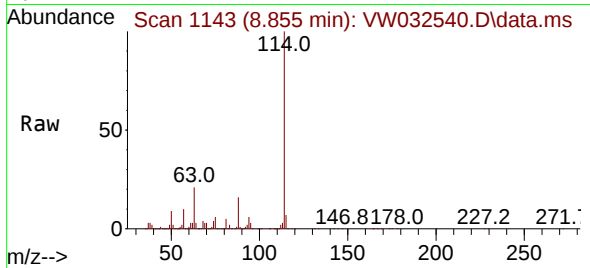




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032540.D
 Acq: 26 Nov 2025 13:49

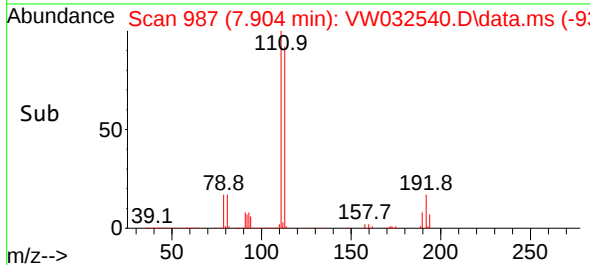
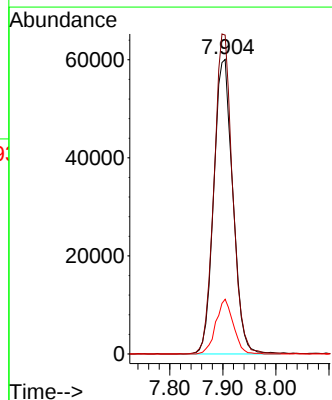
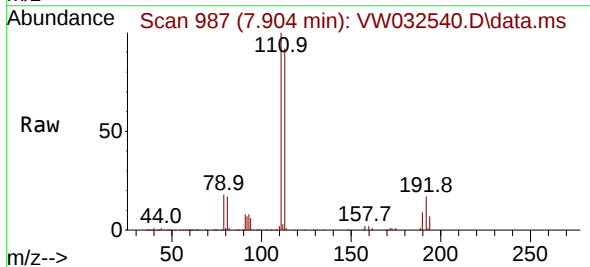
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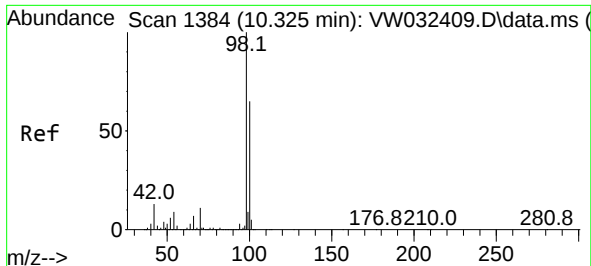
Tgt Ion:114 Resp: 464802
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.8
 88 16.5 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 53.862 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW032540.D
 Acq: 26 Nov 2025 13:49

Tgt Ion:113 Resp: 149891
 Ion Ratio Lower Upper
 113 100
 111 105.5 83.1 124.7
 192 17.1 13.4 20.2

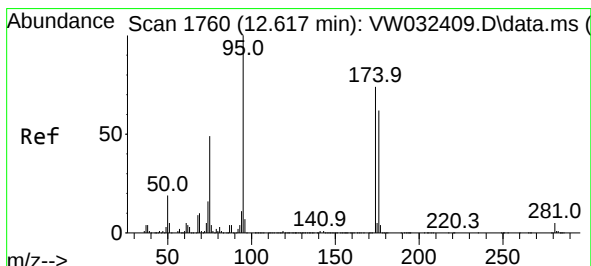
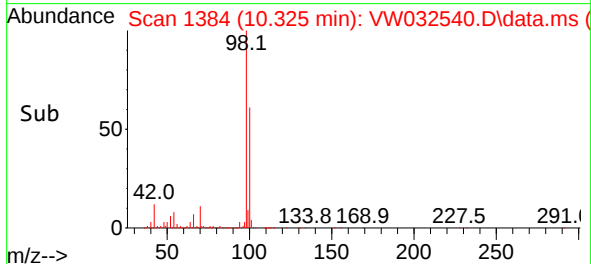
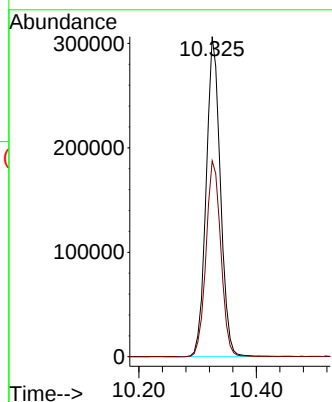
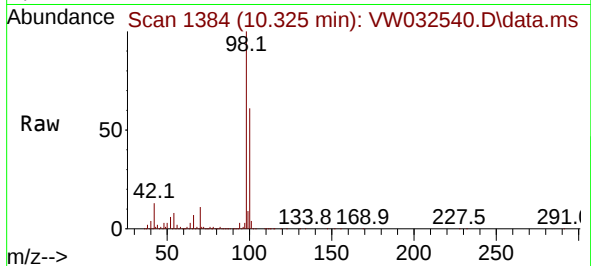




#50
Toluene-d8
Concen: 48.311 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

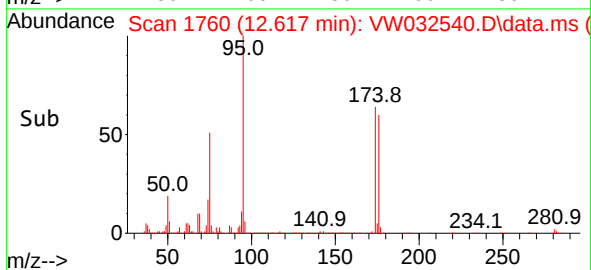
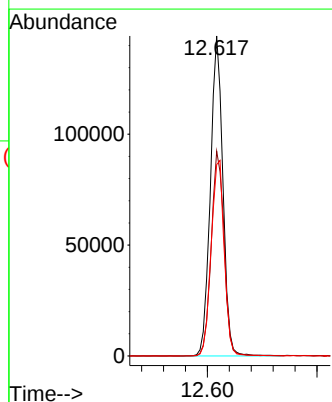
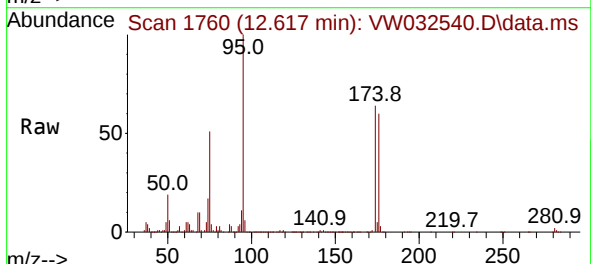
Instrument :
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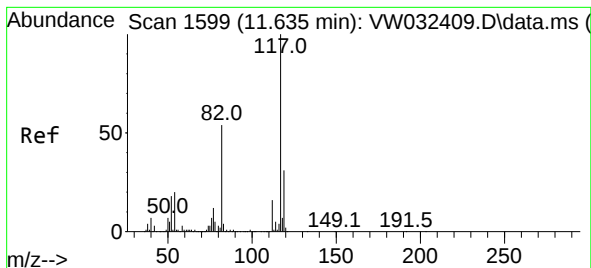
Tgt Ion: 98 Resp: 515766
Ion Ratio Lower Upper
98 100
100 63.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 56.352 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion: 95 Resp: 227266
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.4
176 64.1 0.0 131.8

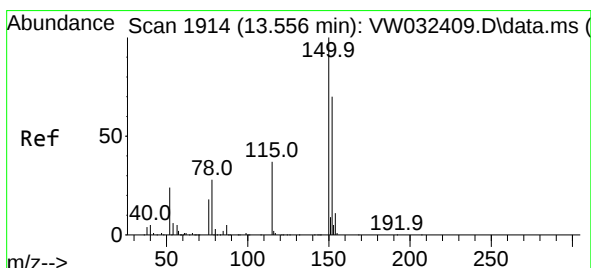
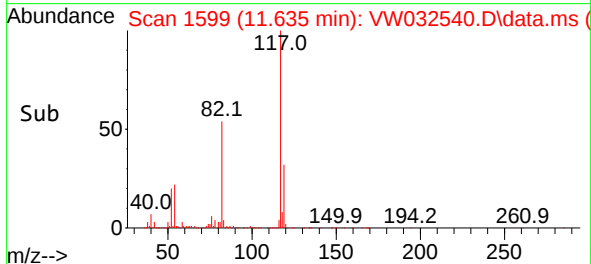
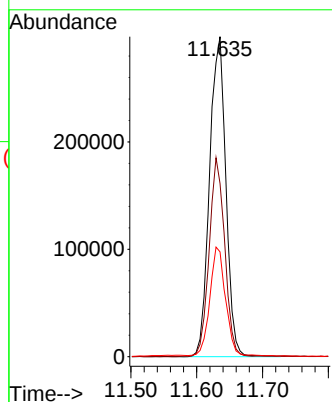
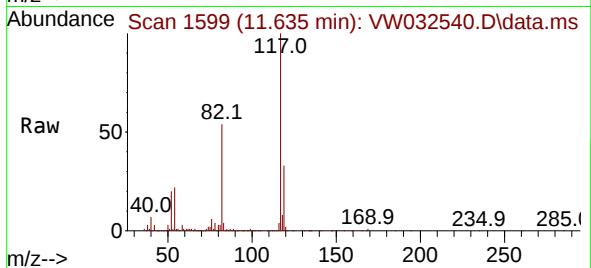




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032540.D
Acq: 26 Nov 2025 13:49

Instrument :
MSVOA_W
ClientSampleId :
SB-1125-11A

Tgt Ion:117 Resp: 514695
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.5 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: VW032540.D
Acq: 26 Nov 2025 13:49

Tgt Ion:152 Resp: 246255
Ion Ratio Lower Upper
152 100
115 65.9 32.8 98.3
150 155.6 0.0 356.6

