

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032502.D
 Acq On : 19 Nov 2025 15:04
 Operator : SY/MD
 Sample : Q3664-05
 Misc : 5.03g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 291399

Quant Time: Nov 20 01:19:40 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	7.959	168	212391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	512499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	549299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	263552	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	156992	57.333	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	114.660%
35) Dibromofluoromethane	7.898	113	147383	48.032	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	96.060%
50) Toluene-d8	10.325	98	509100	43.248	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	86.500%
62) 4-Bromofluorobenzene	12.617	95	228871	51.468	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.940%

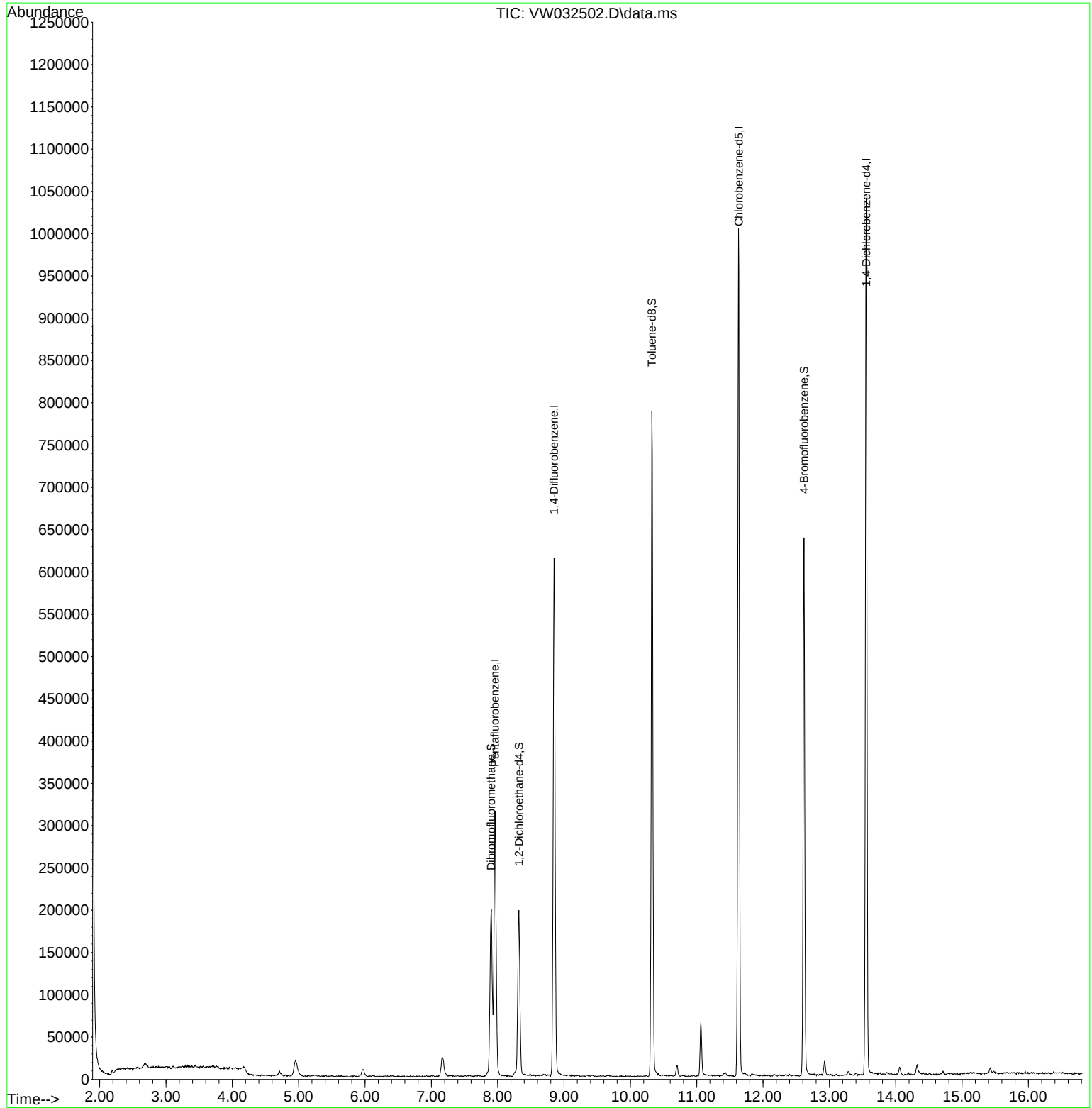
Target Compounds	Qvalue

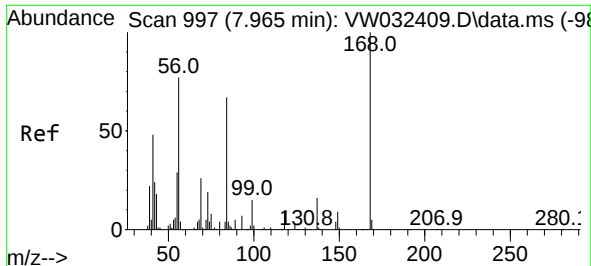
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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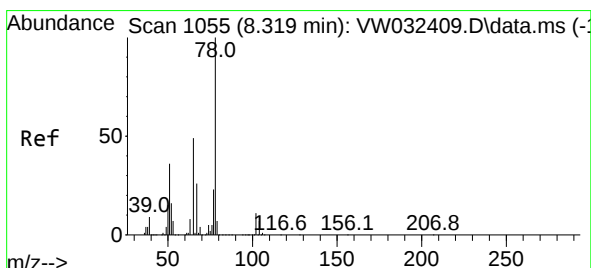
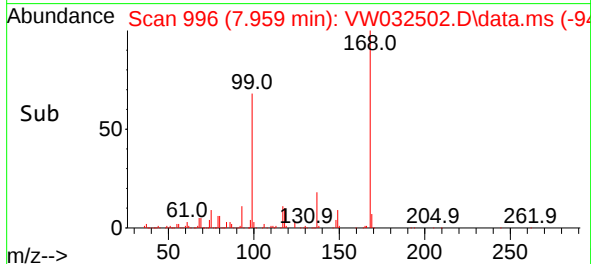
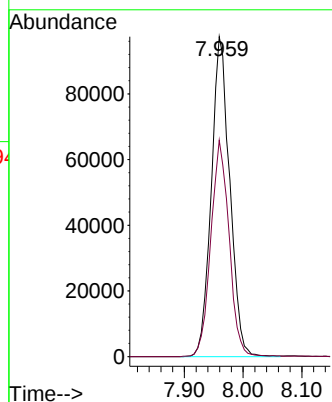
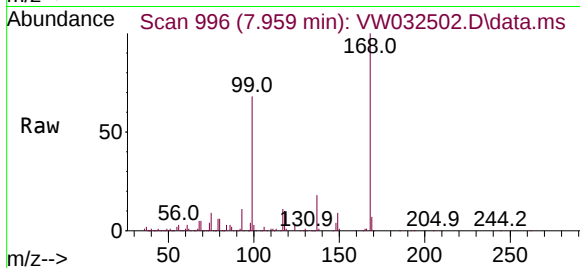




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032502.D
Acq: 19 Nov 2025 15:04

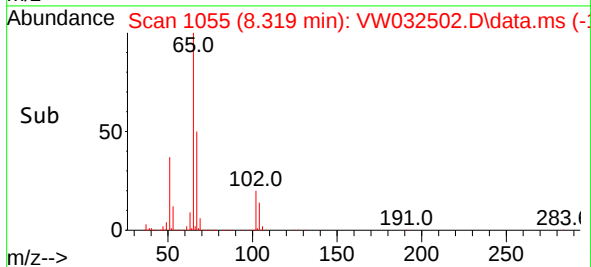
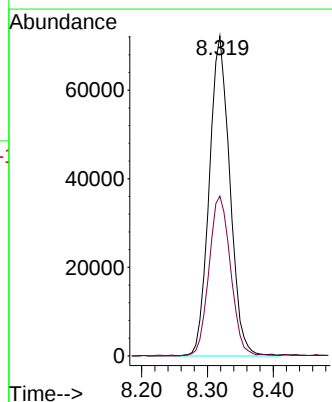
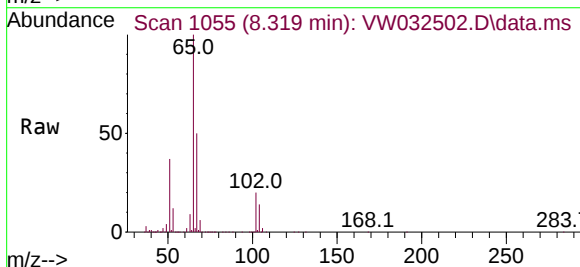
Instrument :
MSVOA_W
ClientSampleId :
291399

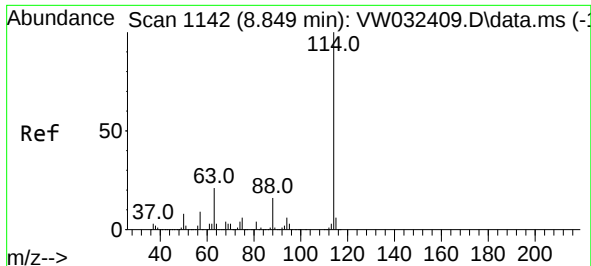
Tgt Ion:168 Resp: 212391
Ion Ratio Lower Upper
168 100
99 67.6 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 57.333 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032502.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 65 Resp: 156992
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.8

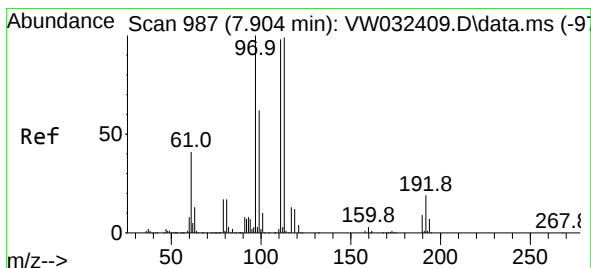
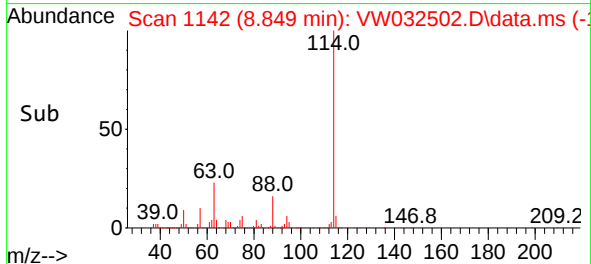
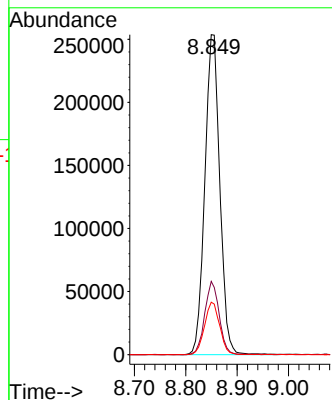
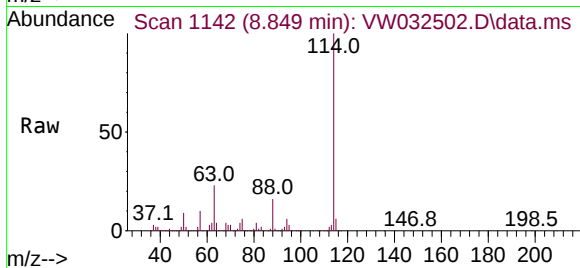




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032502.D
Acq: 19 Nov 2025 15:04

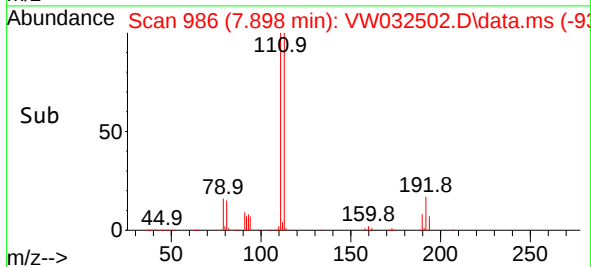
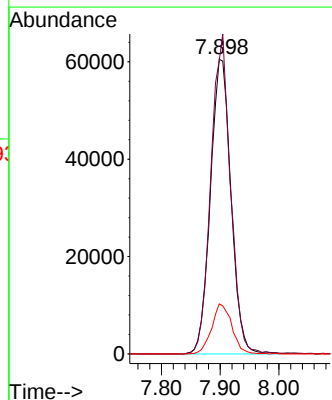
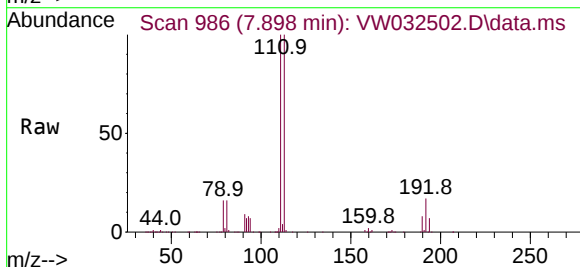
Instrument :
MSVOA_W
ClientSampleId :
291399

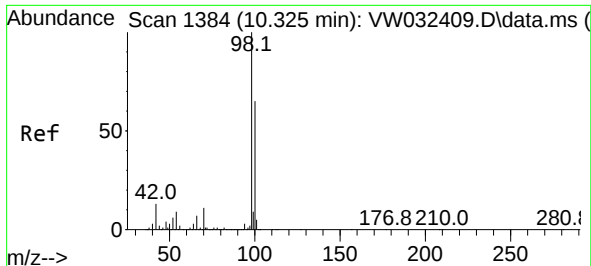
Tgt Ion:114 Resp: 512499
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 16.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.032 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032502.D
Acq: 19 Nov 2025 15:04

Tgt Ion:113 Resp: 147383
Ion Ratio Lower Upper
113 100
111 103.1 83.1 124.7
192 16.6 13.4 20.2

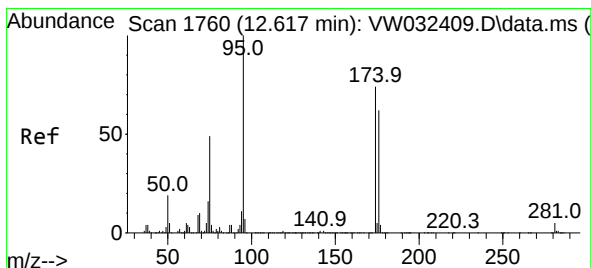
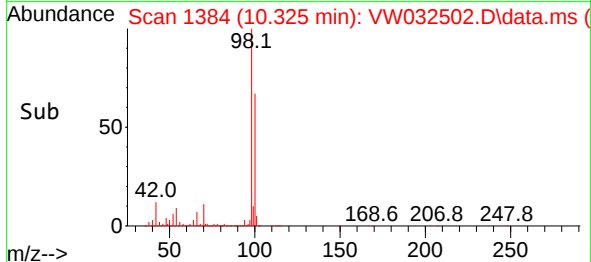
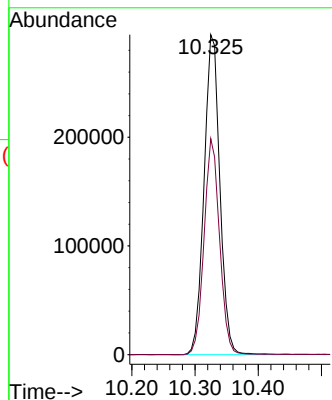
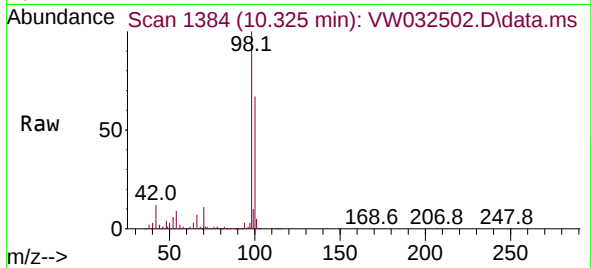




#50
Toluene-d8
Concen: 43.248 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032502.D
Acq: 19 Nov 2025 15:04

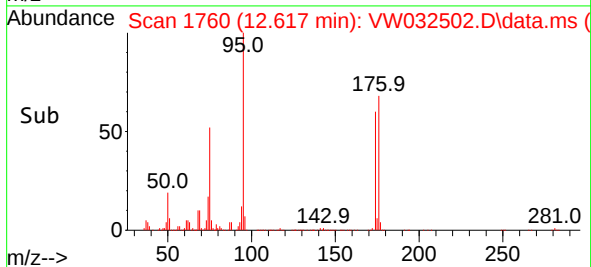
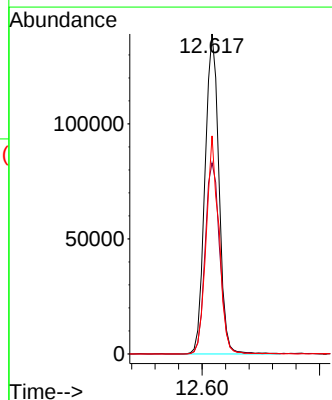
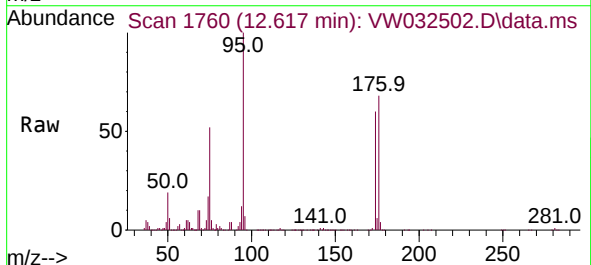
Instrument :
MSVOA_W
ClientSampleId :
291399

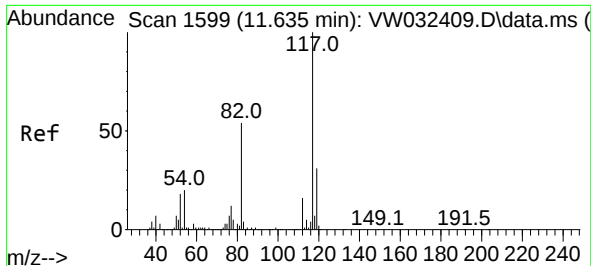
Tgt Ion: 98 Resp: 509100
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 51.468 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032502.D
Acq: 19 Nov 2025 15:04

Tgt Ion: 95 Resp: 228871
Ion Ratio Lower Upper
95 100
174 62.2 0.0 135.4
176 62.2 0.0 131.8

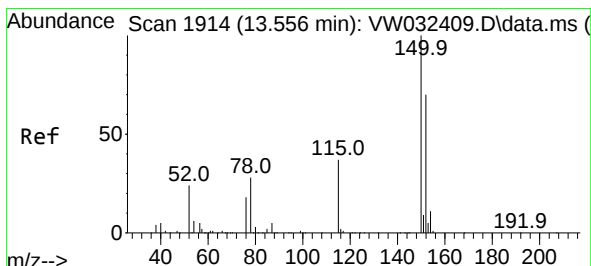
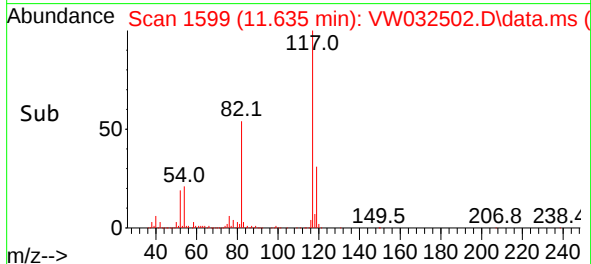
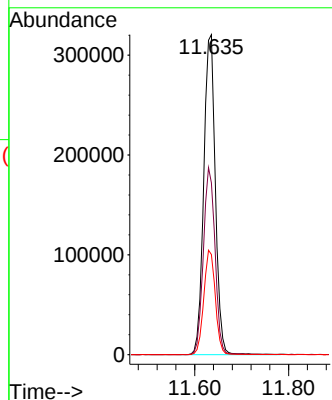
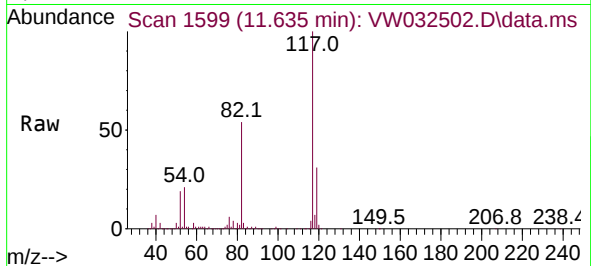




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032502.D
Acq: 19 Nov 2025 15:04

Instrument :
MSVOA_W
ClientSampleId :
291399

Tgt Ion:117 Resp: 549299
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 31.3 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: VW032502.D
Acq: 19 Nov 2025 15:04

Tgt Ion:152 Resp: 263552
Ion Ratio Lower Upper
152 100
115 64.4 32.8 98.3
150 158.0 0.0 356.6

