

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032541.D
 Acq On : 26 Nov 2025 14:11
 Operator : SY/MD
 Sample : Q3604-05
 Misc : 5.40g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-2

Quant Time: Nov 26 14:57:02 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	191034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	461380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	522966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	256269	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	173314	70.370	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	140.740%
35) Dibromofluoromethane	7.905	113	147430	53.370	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.740%
50) Toluene-d8	10.325	98	490393	46.275	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.540%
62) 4-Bromofluorobenzene	12.617	95	225685	56.375	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	112.740%

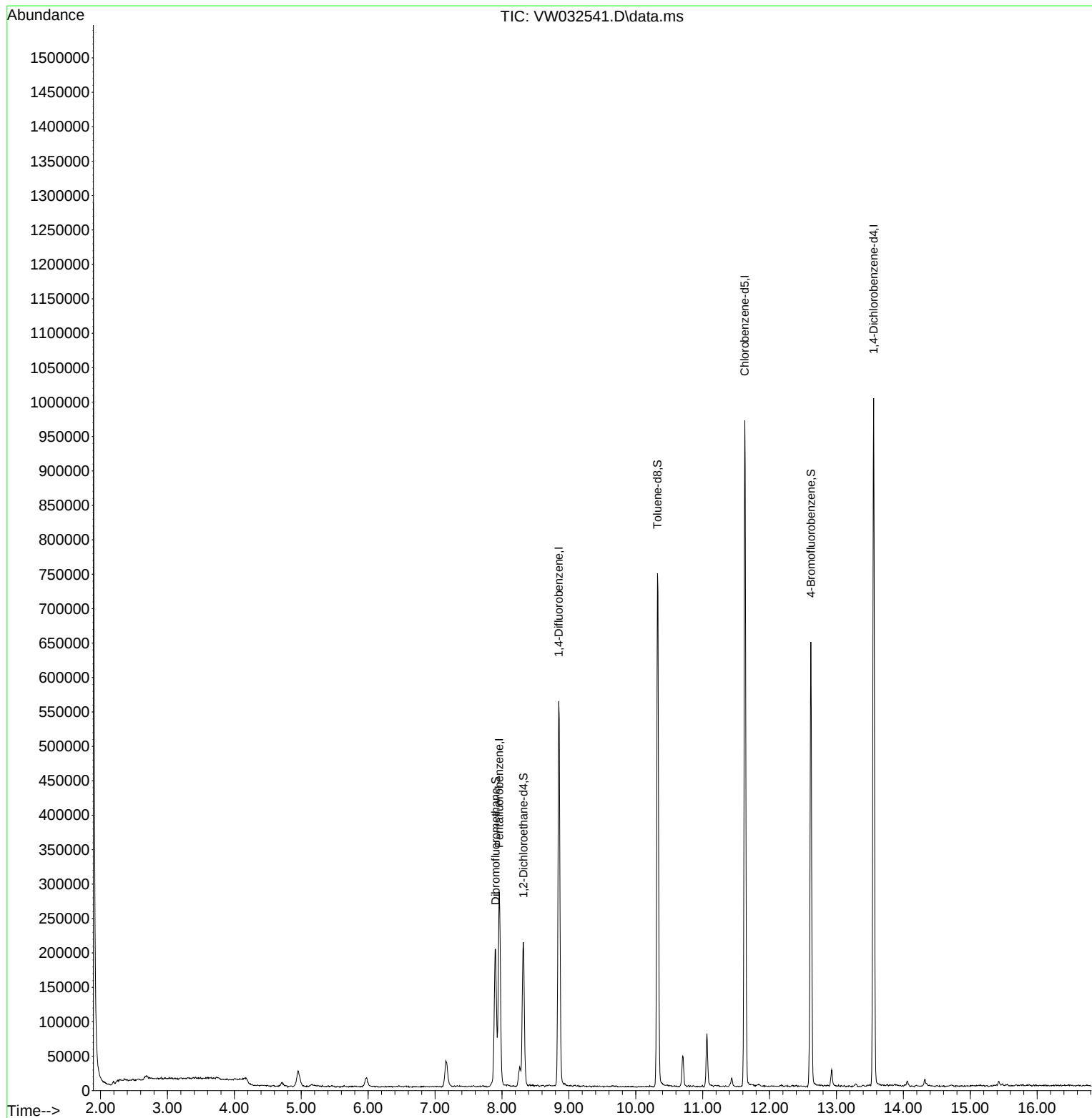
Target Compounds	Qvalue

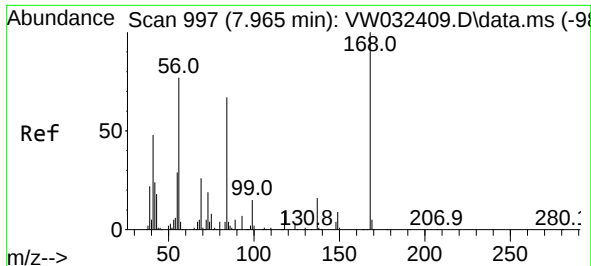
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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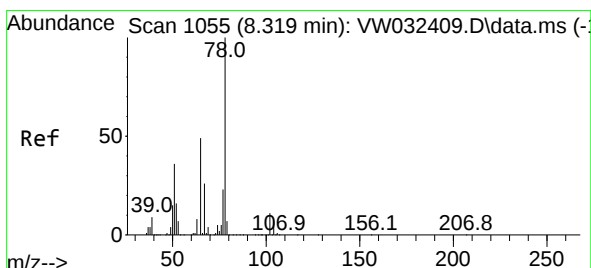
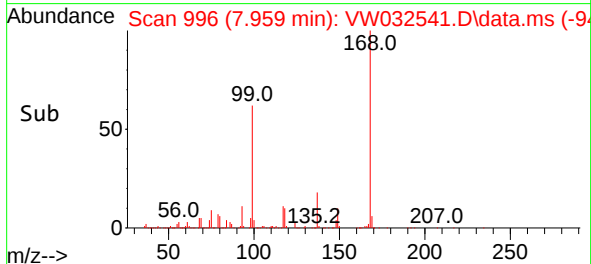
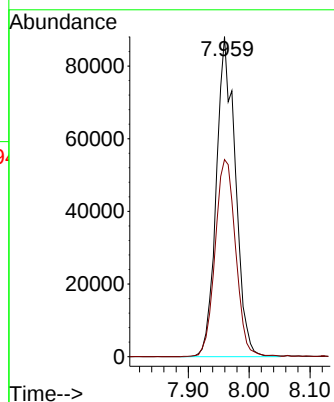
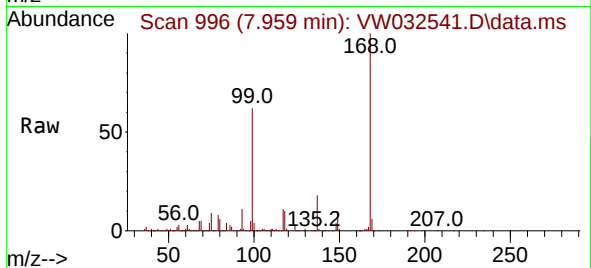




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032541.D
Acq: 26 Nov 2025 14:11

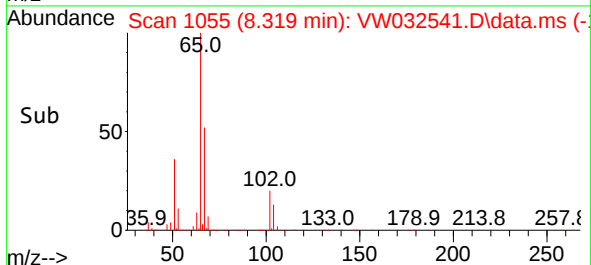
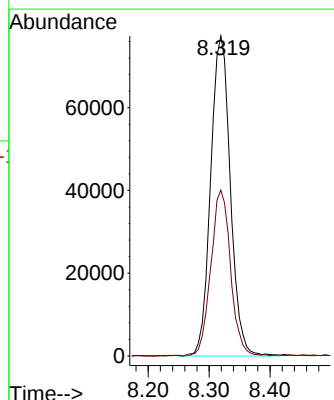
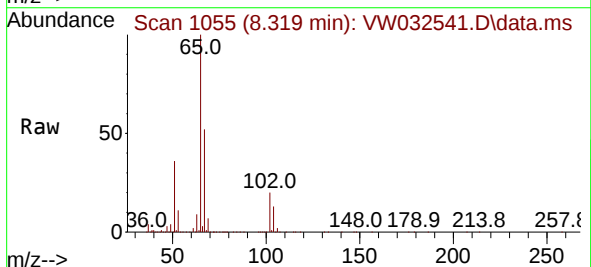
Instrument :
MSVOA_W
ClientSampleId :
S-2

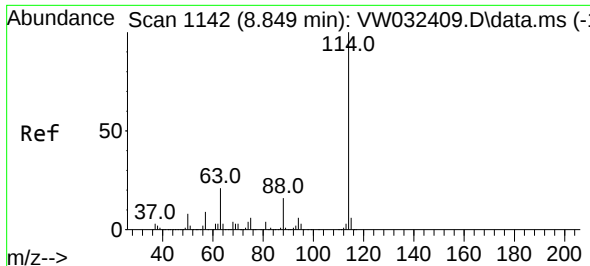
Tgt Ion:168 Resp: 191034
Ion Ratio Lower Upper
168 100
99 61.6 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 70.370 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032541.D
Acq: 26 Nov 2025 14:11

Tgt Ion: 65 Resp: 173314
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8

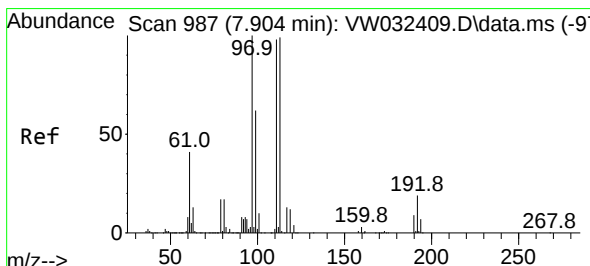
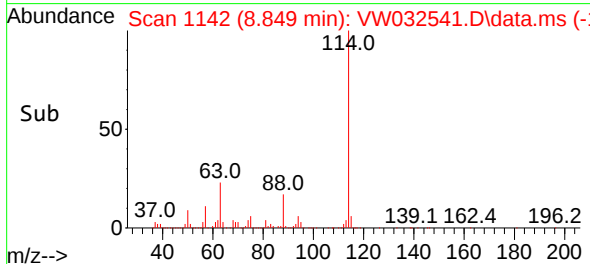
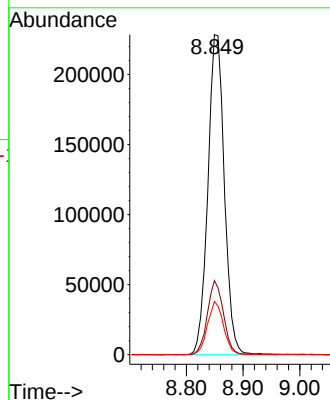
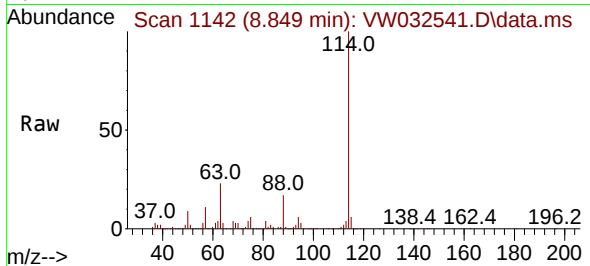




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032541.D
Acq: 26 Nov 2025 14:11

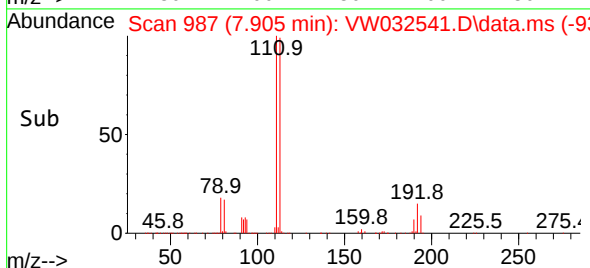
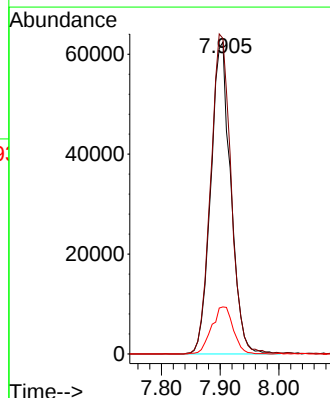
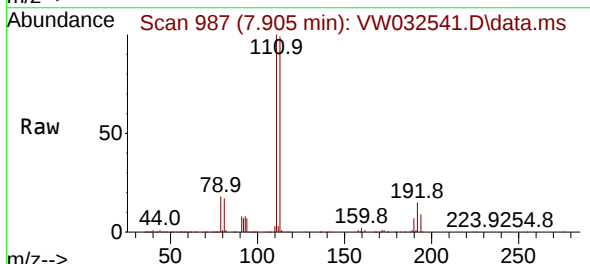
Instrument :
MSVOA_W
ClientSampleId :
S-2

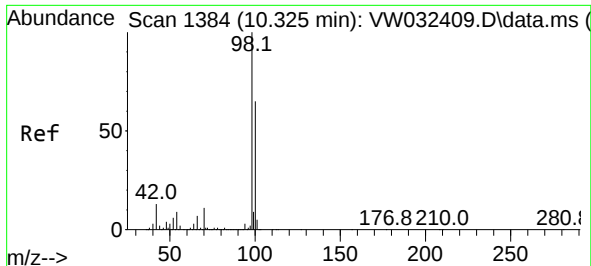
Tgt Ion:114 Resp: 461380
Ion Ratio Lower Upper
114 100
63 23.1 0.0 41.8
88 16.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.370 ug/l
RT: 7.905 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032541.D
Acq: 26 Nov 2025 14:11

Tgt Ion:113 Resp: 147430
Ion Ratio Lower Upper
113 100
111 104.6 83.1 124.7
192 16.3 13.4 20.2

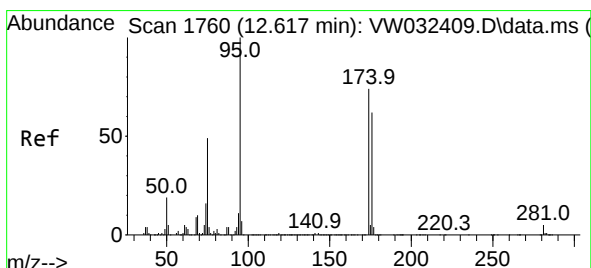
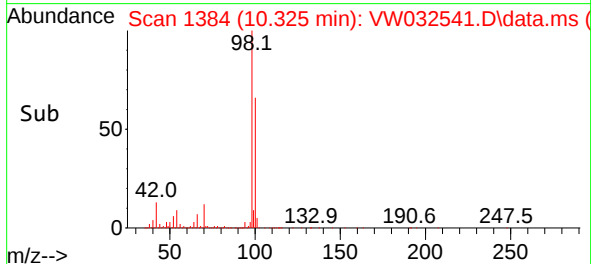
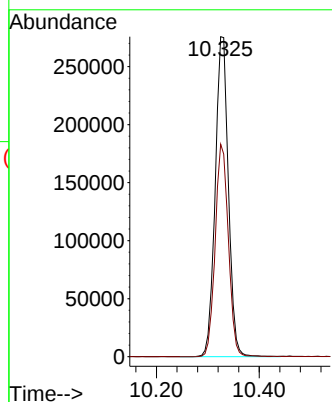
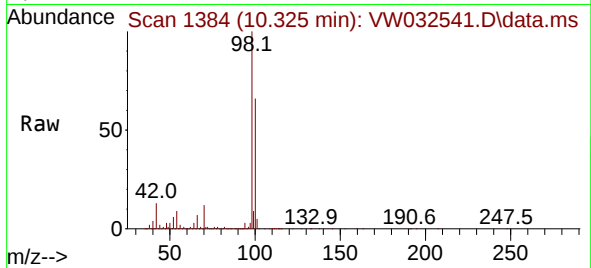




#50
Toluene-d8
Concen: 46.275 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032541.D
Acq: 26 Nov 2025 14:11

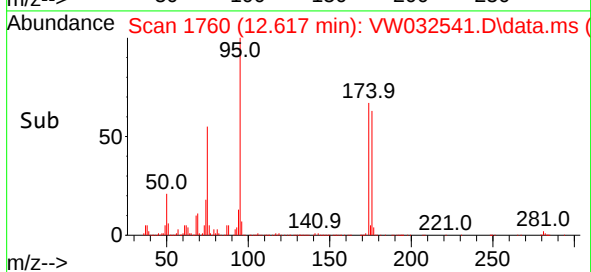
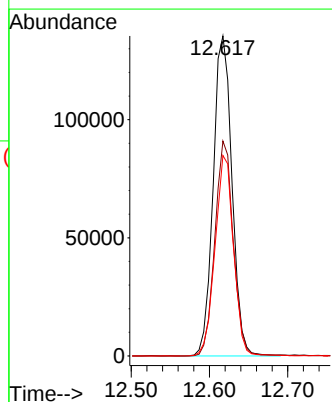
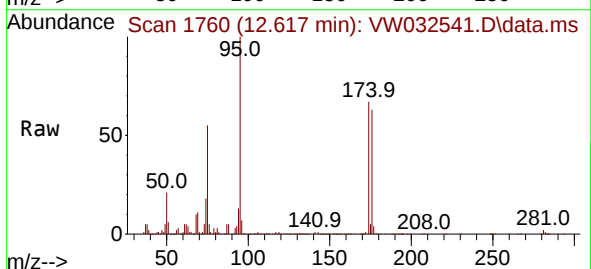
Instrument :
MSVOA_W
ClientSampleId :
S-2

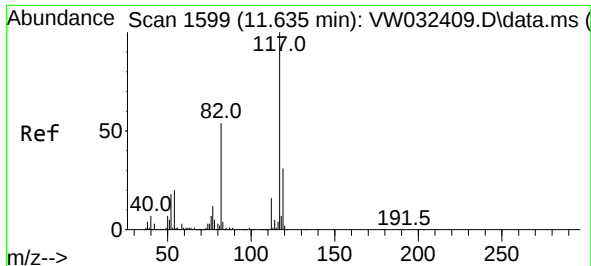
Tgt Ion: 98 Resp: 490393
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 56.375 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032541.D
Acq: 26 Nov 2025 14:11

Tgt Ion: 95 Resp: 225685
Ion Ratio Lower Upper
95 100
174 66.1 0.0 135.4
176 61.9 0.0 131.8

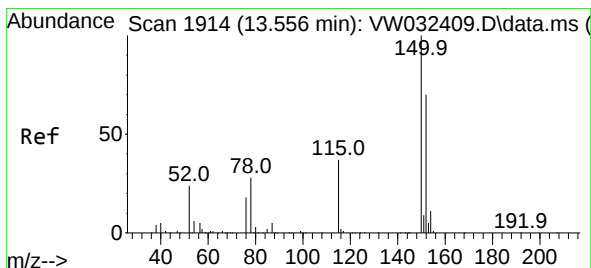
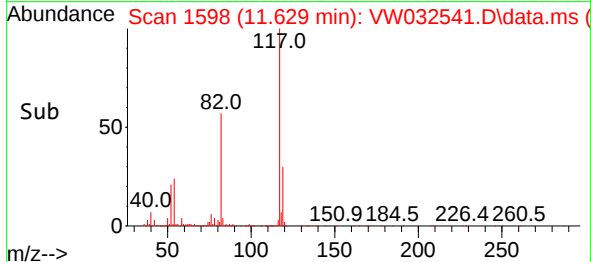
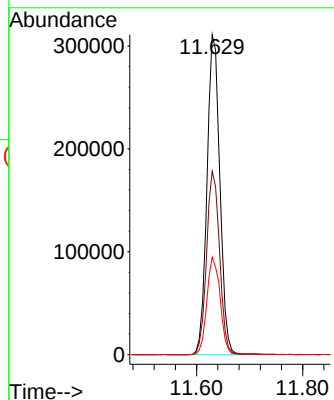
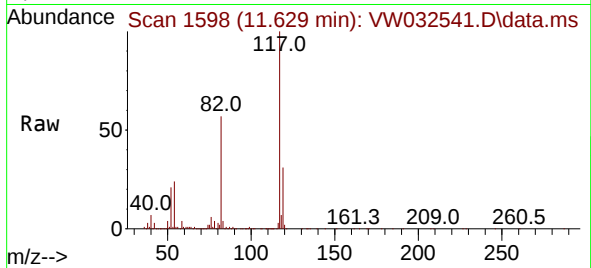




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032541.D
Acq: 26 Nov 2025 14:11

Instrument :
MSVOA_W
ClientSampleId :
S-2

Tgt Ion:117 Resp: 522966
Ion Ratio Lower Upper
117 100
82 57.2 43.0 64.4
119 30.5 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: VW032541.D
Acq: 26 Nov 2025 14:11

Tgt Ion:152 Resp: 256269
Ion Ratio Lower Upper
152 100
115 64.6 32.8 98.3
150 151.7 0.0 356.6

