

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120325\
 Data File : VW032569.D
 Acq On : 03 Dec 2025 13:42
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Dec 04 04:06:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 04:04:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	437871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	829230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	724062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	333986	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	200786	30.813	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	61.620%#
35) Dibromofluoromethane	7.904	113	164620	30.167	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	60.340%#
50) Toluene-d8	10.325	98	590010	28.734	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	57.460%#
62) 4-Bromofluorobenzene	12.617	95	214568	28.284	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	56.560%

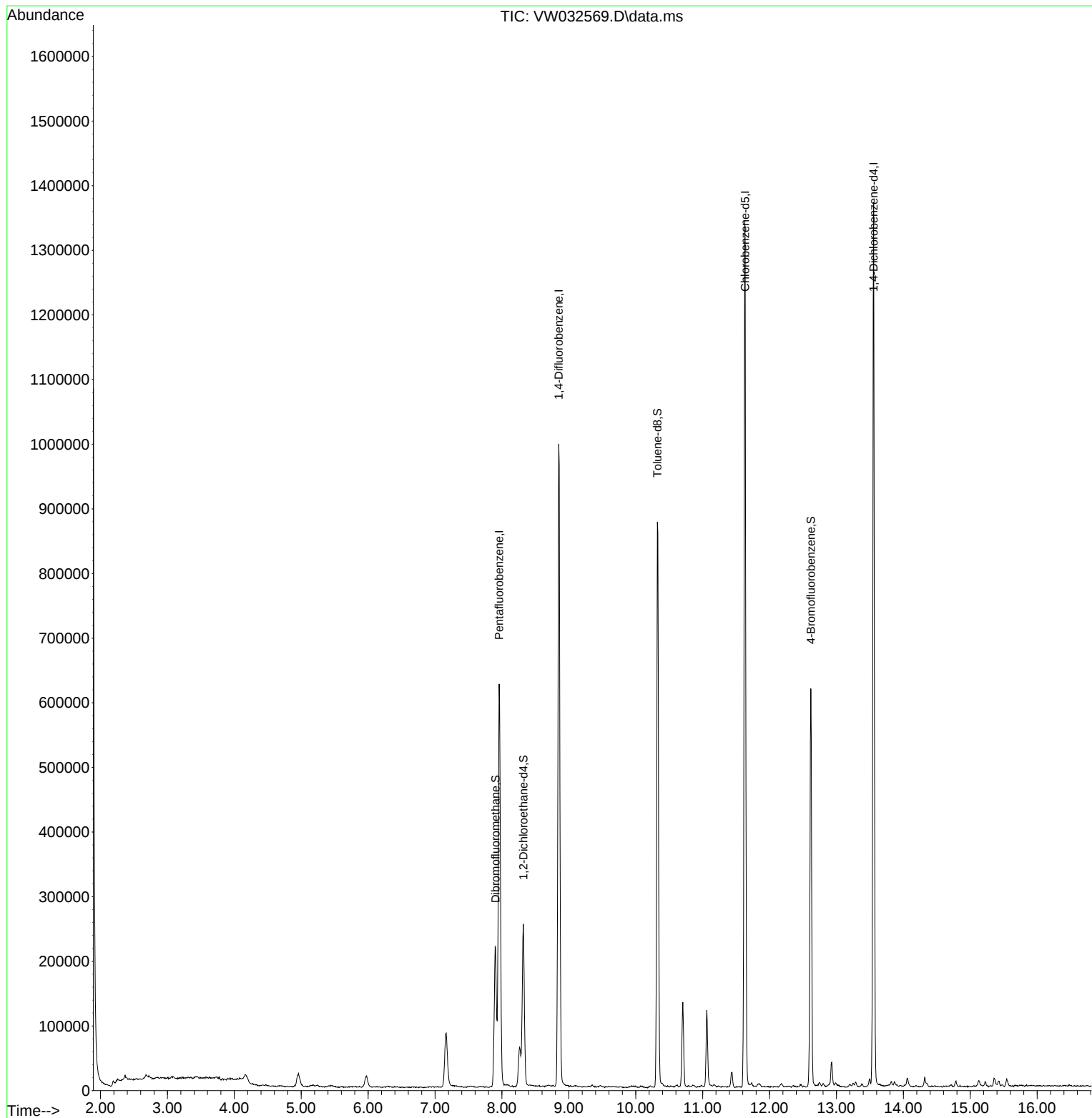
Target Compounds	Qvalue

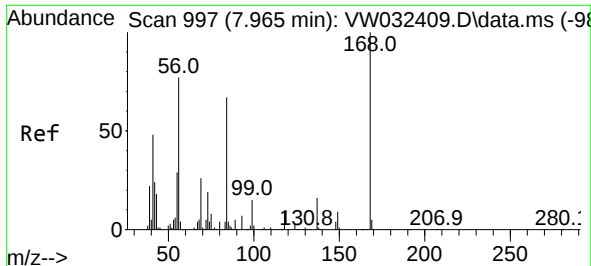
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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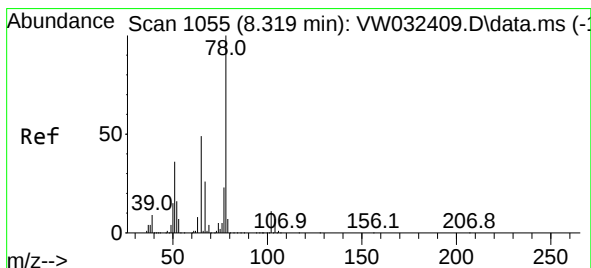
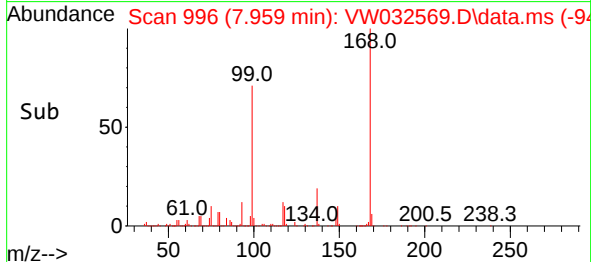
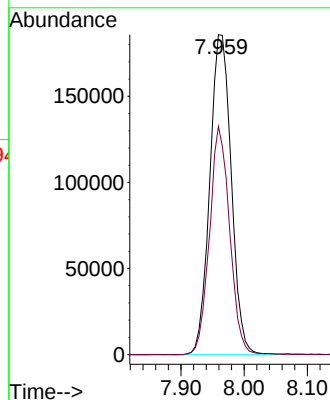
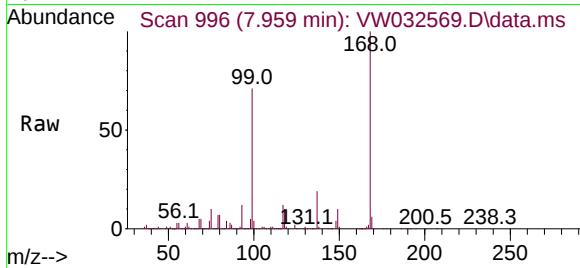




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

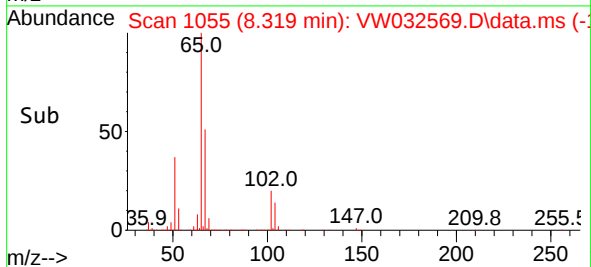
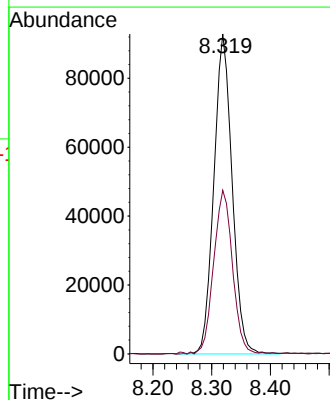
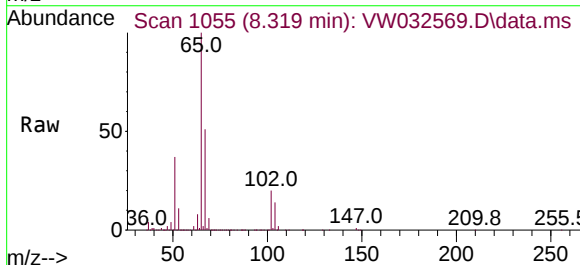
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

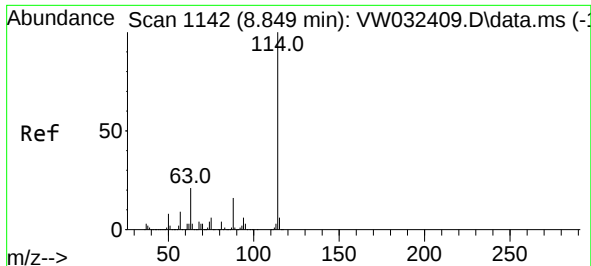
Tgt Ion:168 Resp: 437871
Ion Ratio Lower Upper
168 100
99 71.3 51.8 77.8



#33
1,2-Dichloroethane-d4
Concen: 30.813 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion: 65 Resp: 200786
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.0

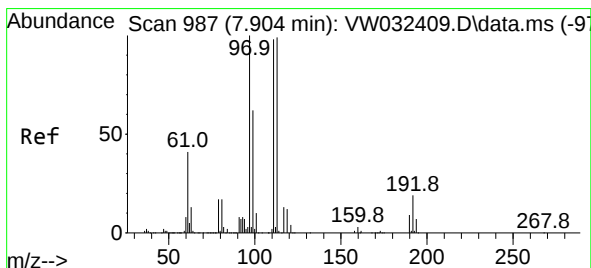
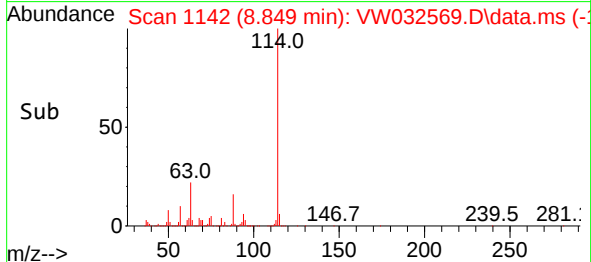
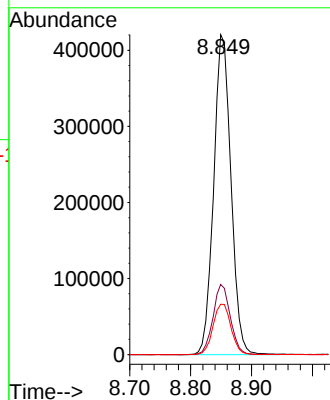
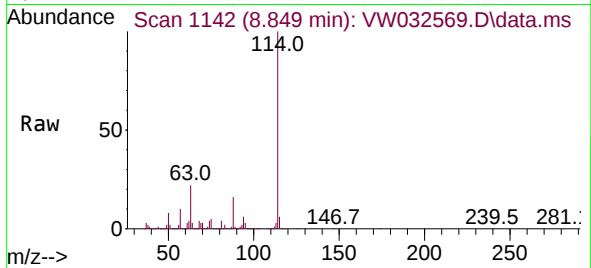




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

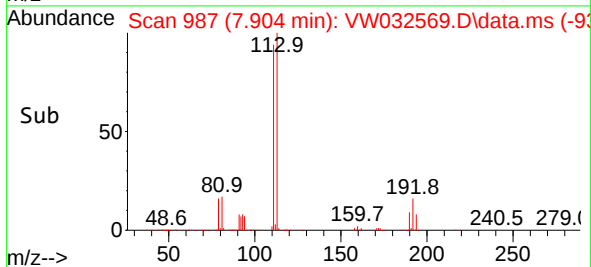
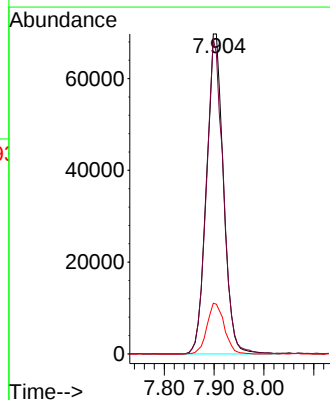
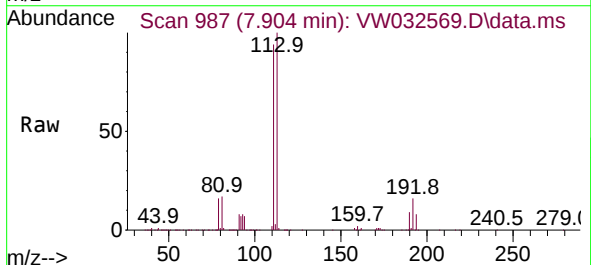
Instrument :
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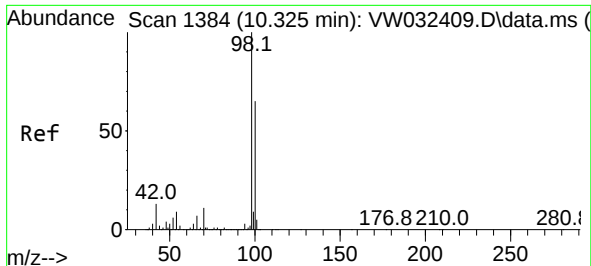
Tgt Ion:114 Resp: 829230
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.6
88 15.7 0.0 31.2



#35
Dibromofluoromethane
Concen: 30.167 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion:113 Resp: 164620
Ion Ratio Lower Upper
113 100
111 98.0 83.4 125.0
192 16.1 13.4 20.2

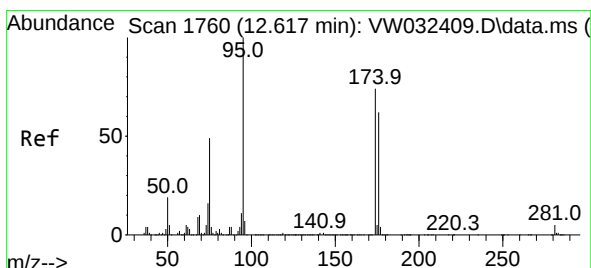
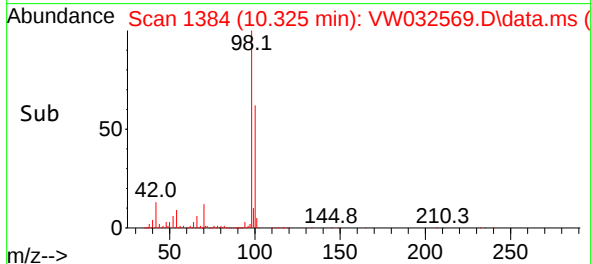
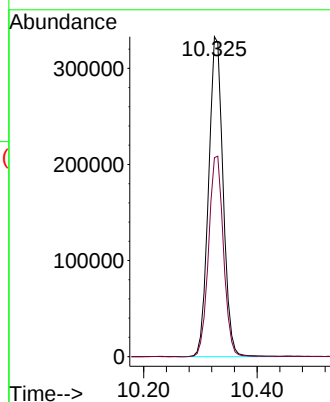
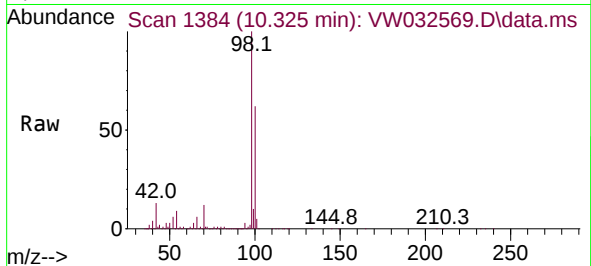




#50
Toluene-d8
Concen: 28.734 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

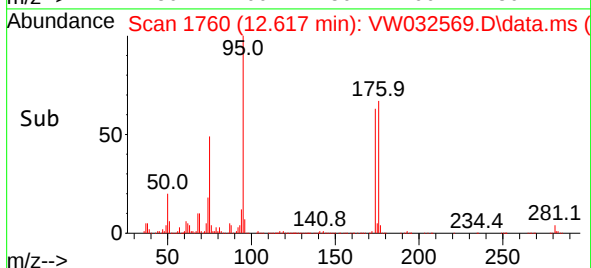
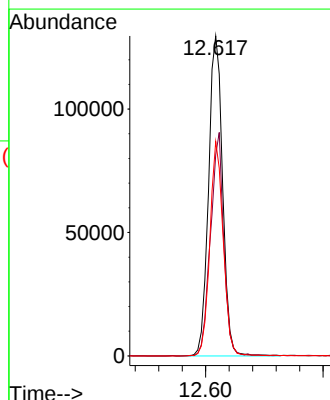
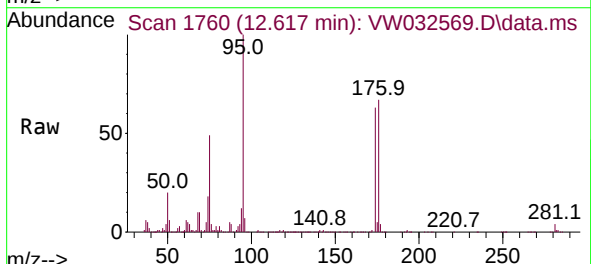
Instrument :
MSVOA_W
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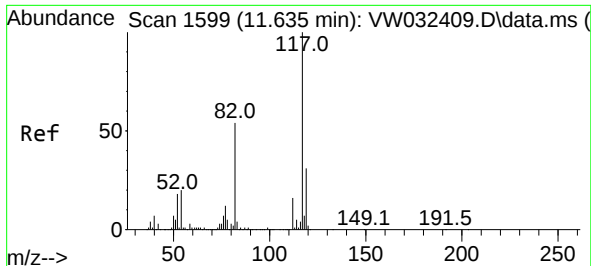
Tgt Ion: 98 Resp: 590010
Ion Ratio Lower Upper
98 100
100 64.4 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 28.284 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion: 95 Resp: 214568
Ion Ratio Lower Upper
95 100
174 65.8 0.0 141.2
176 64.0 0.0 130.8

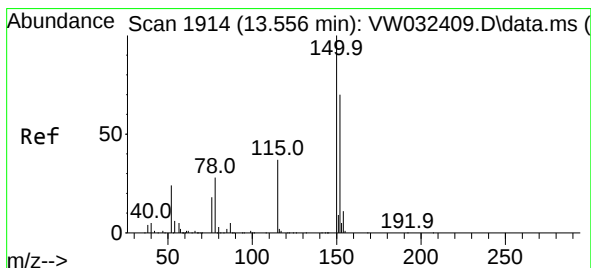
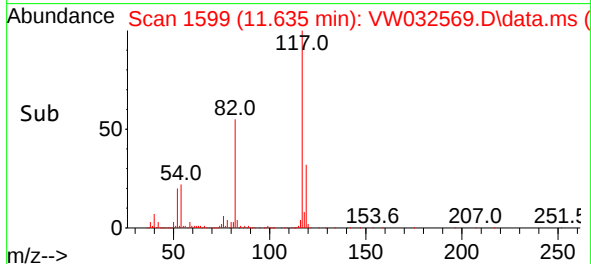
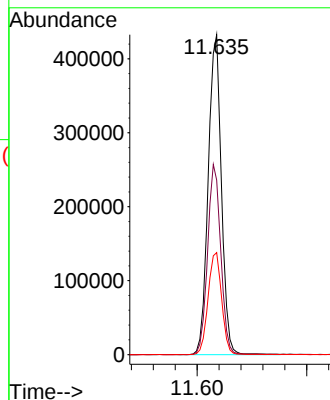
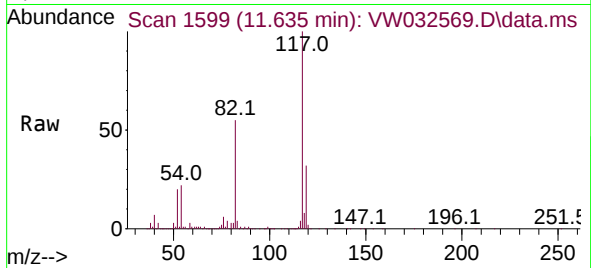




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1159
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 724062
Ion Ratio Lower Upper
117 100
82 54.5 45.9 68.9
119 31.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032569.D
Acq: 03 Dec 2025 13:42

Tgt Ion:152 Resp: 333986
Ion Ratio Lower Upper
152 100
115 63.7 31.1 93.3
150 158.8 0.0 351.2

