

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072825\
 Data File : VW031947.D
 Acq On : 28 Jul 2025 15:46
 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: Jul 29 01:21:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	177867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	377849	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	350674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172952	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	144893	53.850	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	107.700%
35) Dibromofluoromethane	7.904	113	124546	48.508	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.020%
50) Toluene-d8	10.325	98	473763	48.755	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.500%
62) 4-Bromofluorobenzene	12.617	95	175479	47.029	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.060%

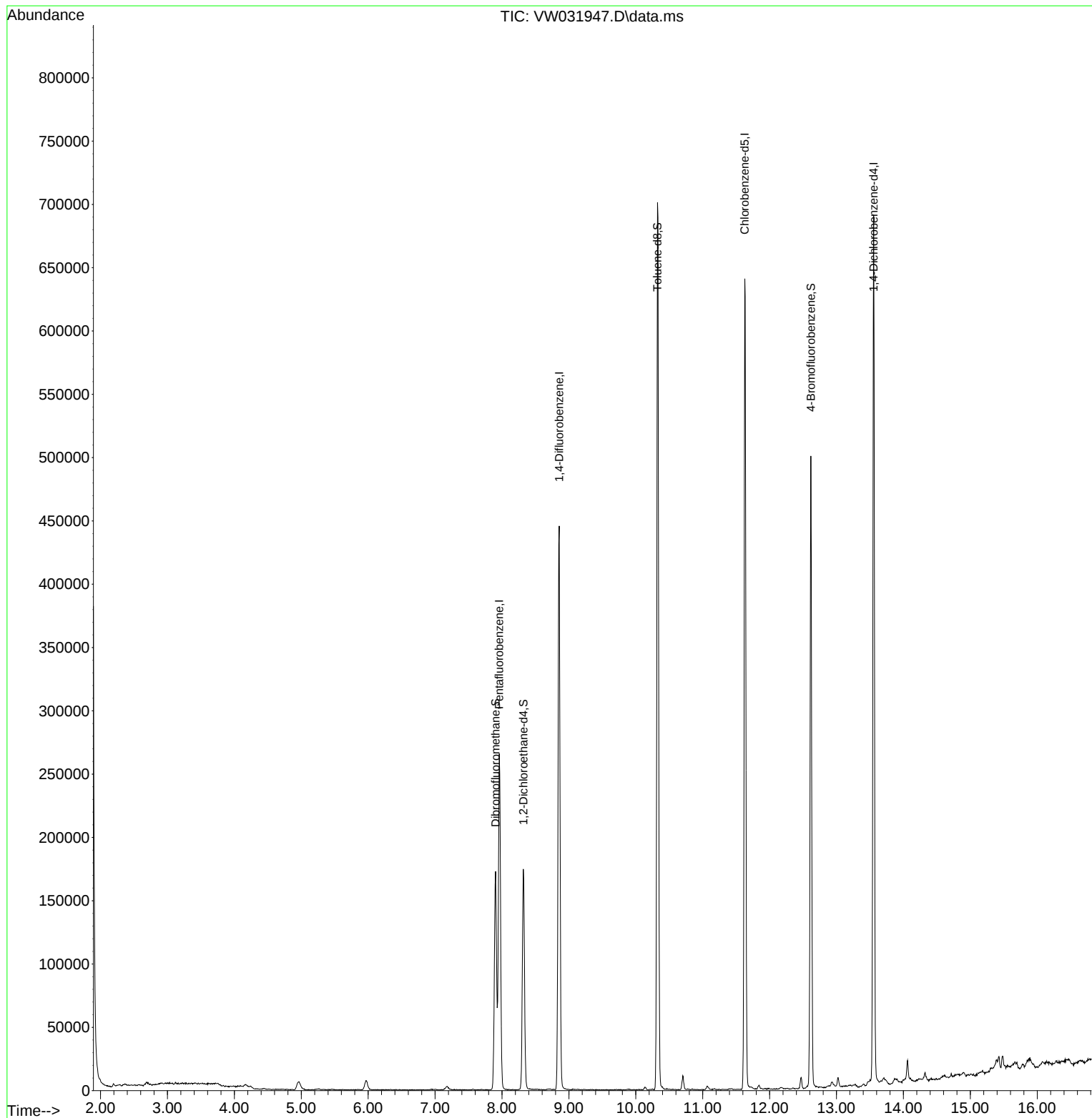
Target Compounds	Qvalue

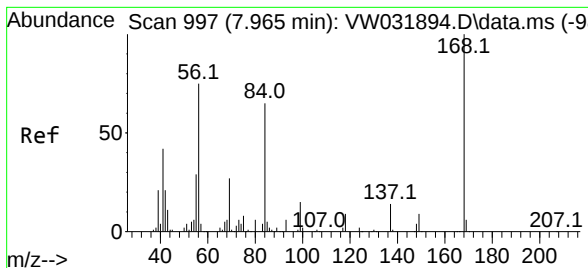
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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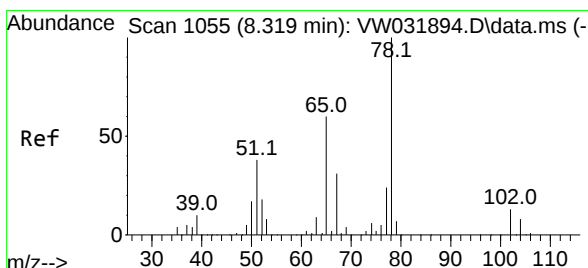
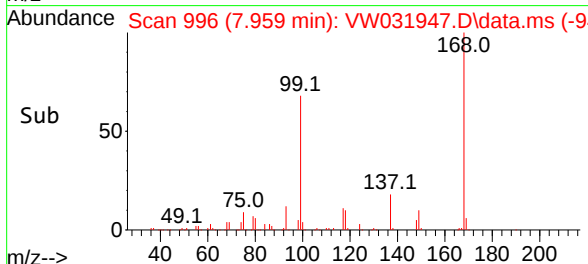
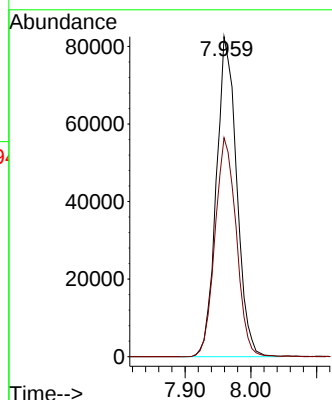
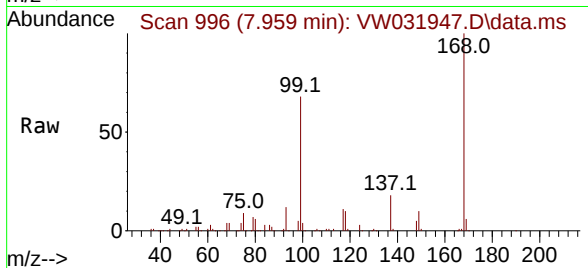




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

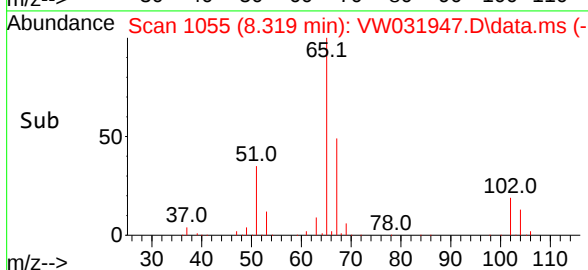
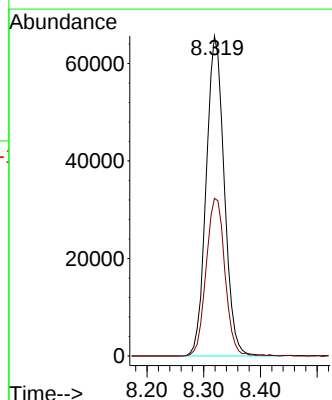
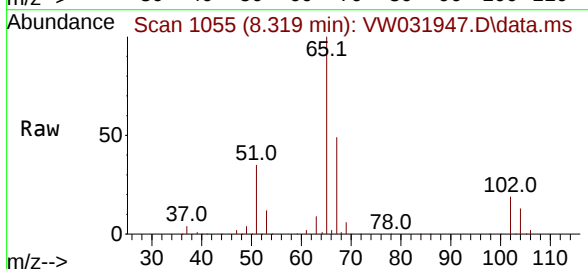
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

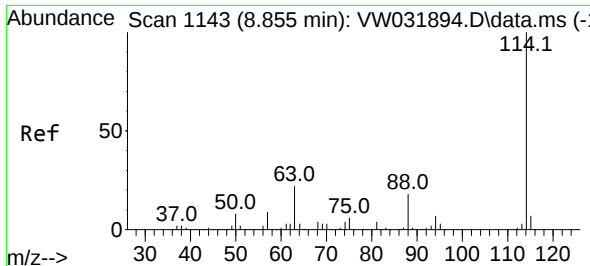
Tgt Ion:168 Resp: 177867
Ion Ratio Lower Upper
168 100
99 68.4 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 53.850 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

Tgt Ion: 65 Resp: 144893
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.4

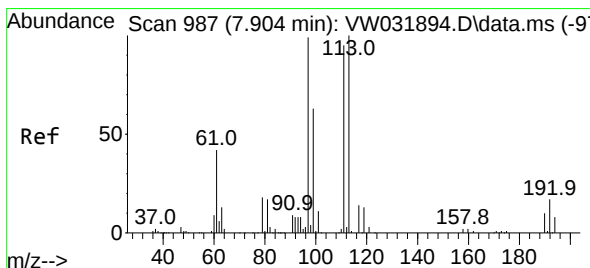
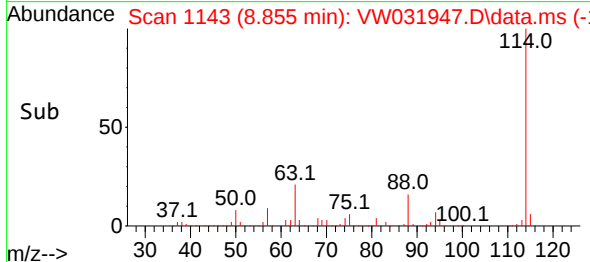
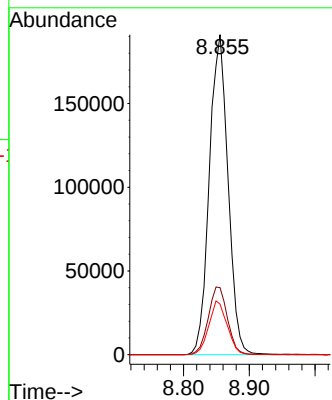
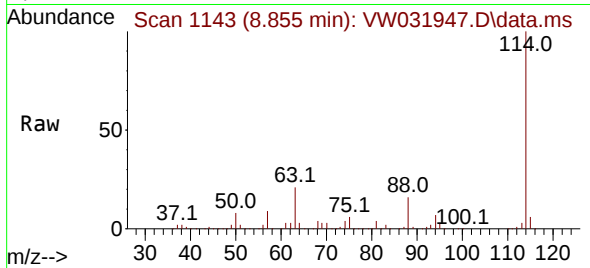




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

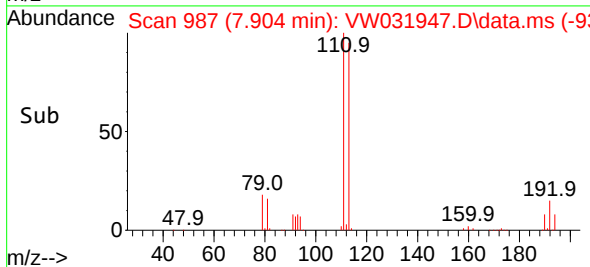
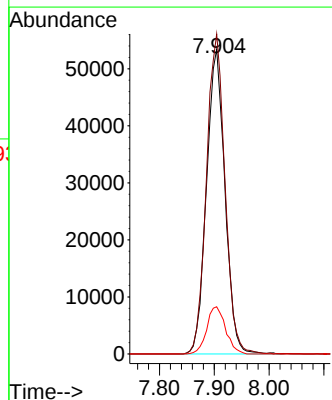
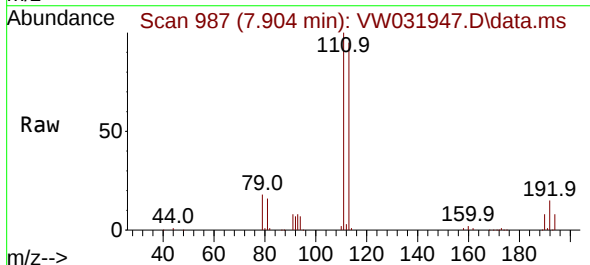
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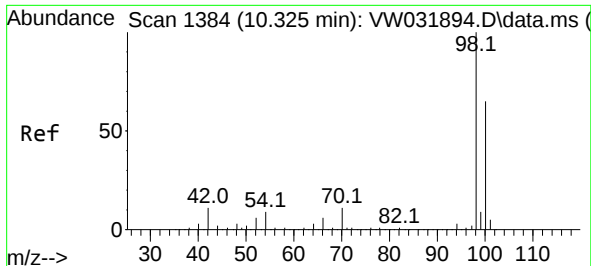
Tgt Ion:114 Resp: 377849
Ion Ratio Lower Upper
114 100
63 21.0 0.0 44.2
88 15.8 0.0 35.6



#35
Dibromofluoromethane
Concen: 48.508 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

Tgt Ion:113 Resp: 124546
Ion Ratio Lower Upper
113 100
111 105.5 79.9 119.9
192 15.8 12.6 19.0

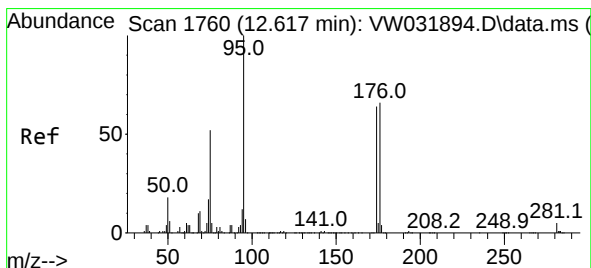
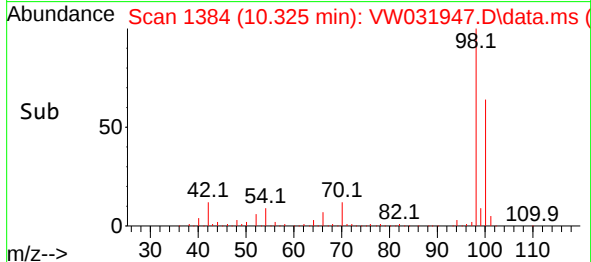
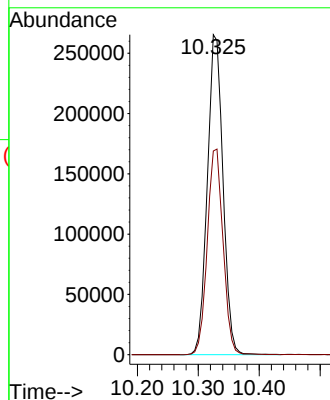
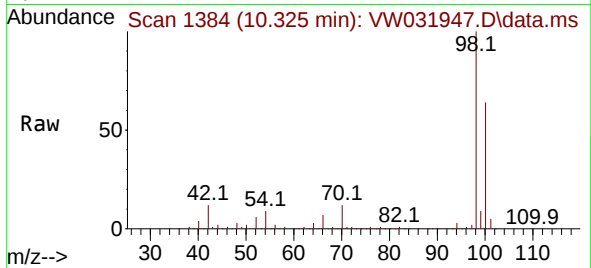




#50
Toluene-d8
Concen: 48.755 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

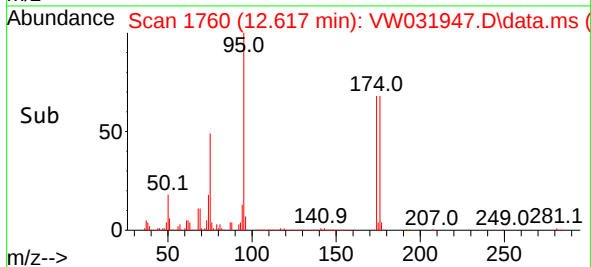
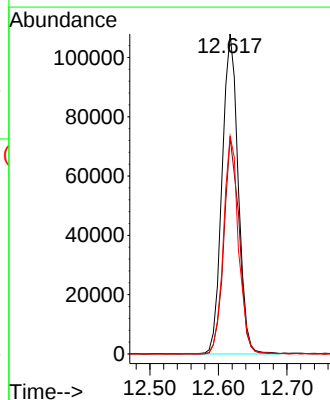
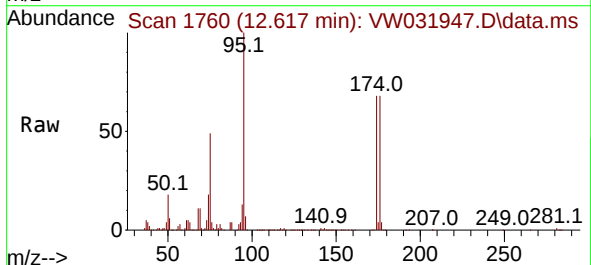
Instrument :
MSVOA_W
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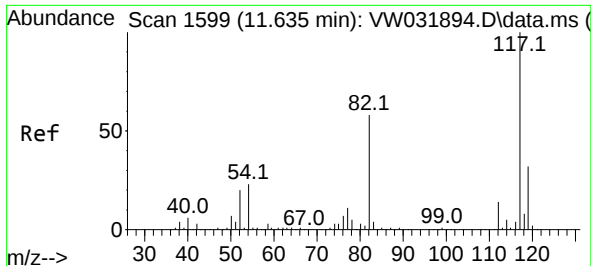
Tgt Ion: 98 Resp: 473763
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.029 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

Tgt Ion: 95 Resp: 175479
Ion Ratio Lower Upper
95 100
174 64.0 0.0 129.8
176 64.0 0.0 130.4

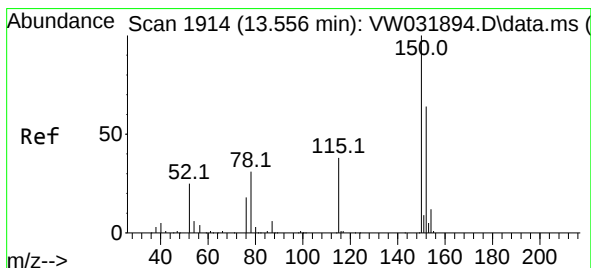
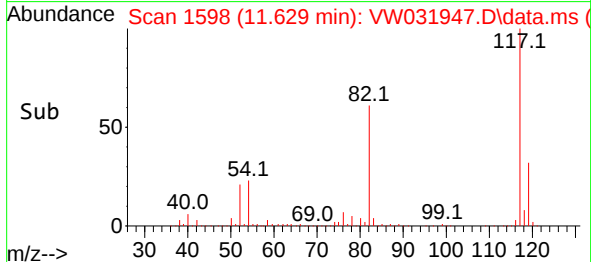
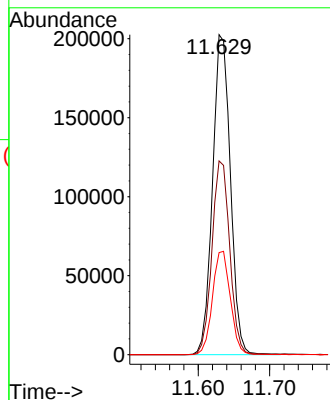
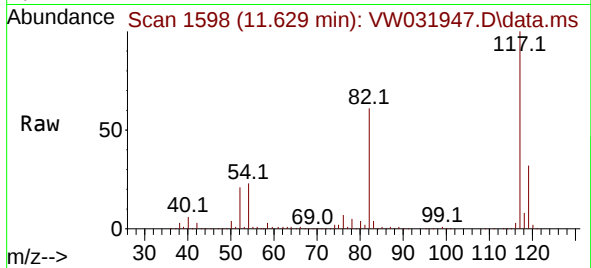




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.006 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 350674
Ion Ratio Lower Upper
117 100
82 60.5 46.5 69.7
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031947.D
Acq: 28 Jul 2025 15:46

Tgt Ion:152 Resp: 172952
Ion Ratio Lower Upper
152 100
115 64.2 33.4 100.1
150 159.3 0.0 352.2

