

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032029.D
 Acq On : 06 Aug 2025 13:53
 Operator : SY/MD
 Sample : Q2786-01
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-08062025

Quant Time: Aug 07 02:20:02 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	7.965	168	174493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	360450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	350443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	168311	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131546	49.835	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.660%
35) Dibromofluoromethane	7.904	113	116043	47.378	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.760%
50) Toluene-d8	10.324	98	429199	46.301	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.600%
62) 4-Bromofluorobenzene	12.617	95	168970	47.471	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.940%

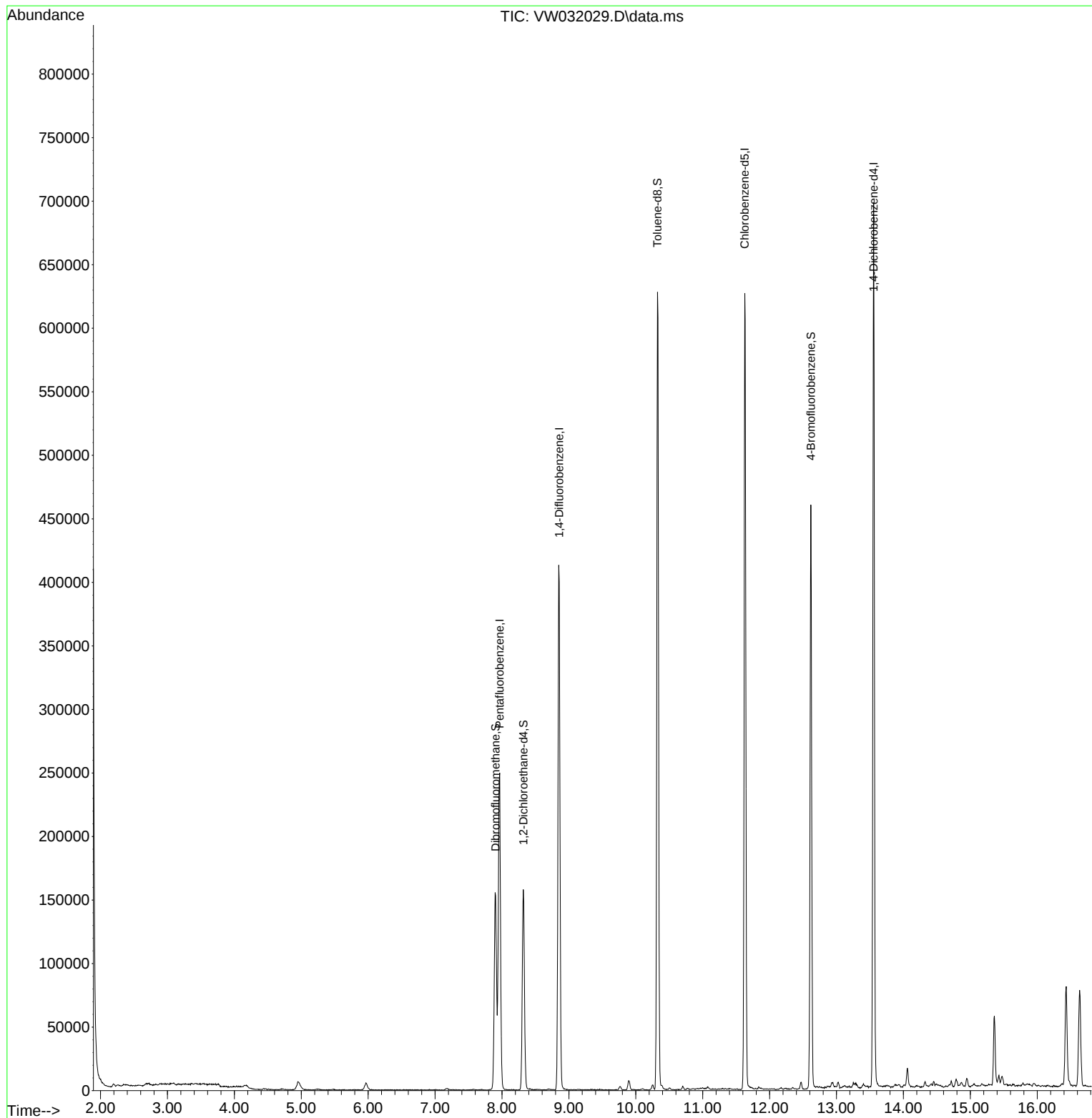
Target Compounds	Qvalue

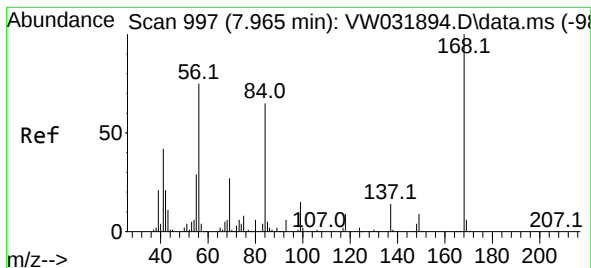
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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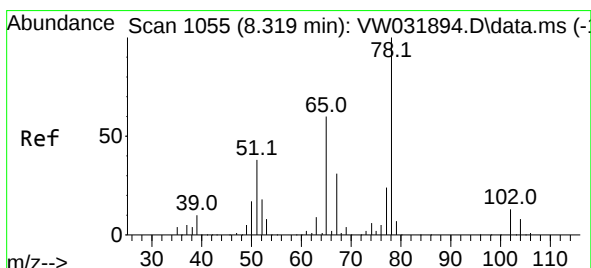
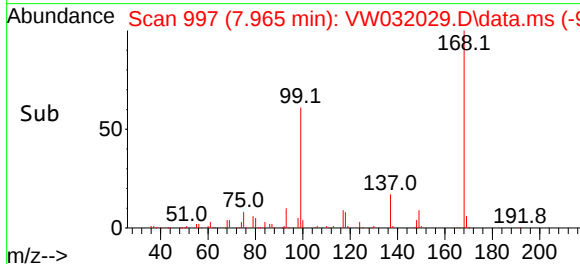
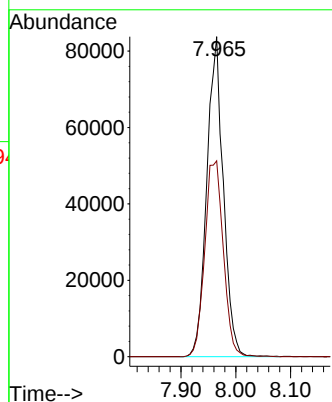
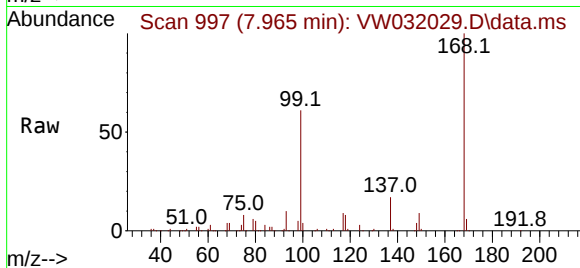




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

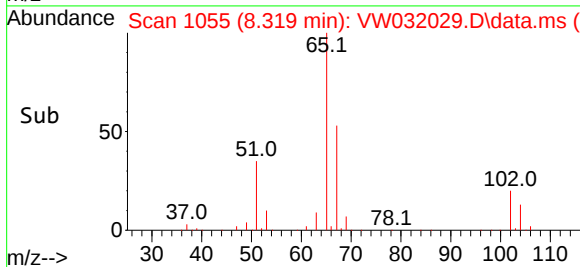
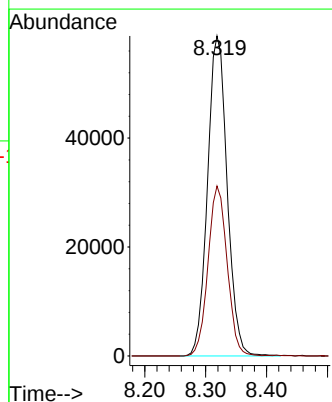
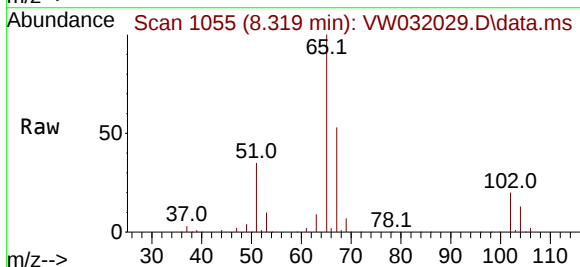
Instrument :
MSVOA_W
ClientSampleId :
PL-01-08062025

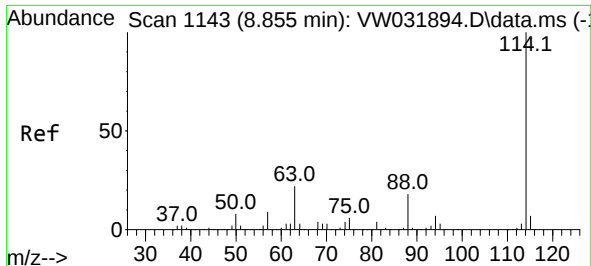
Tgt Ion:168 Resp: 174493
Ion Ratio Lower Upper
168 100
99 61.2 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 49.835 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

Tgt Ion: 65 Resp: 131546
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.4

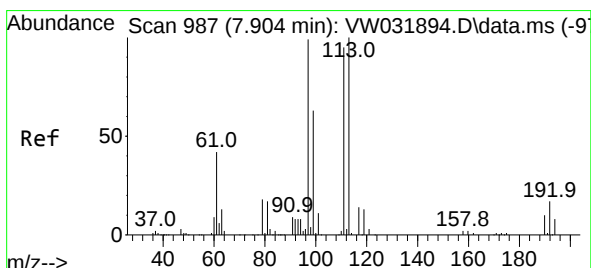
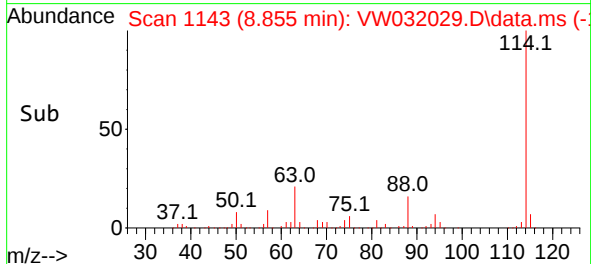
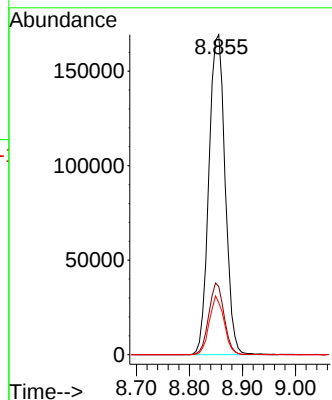
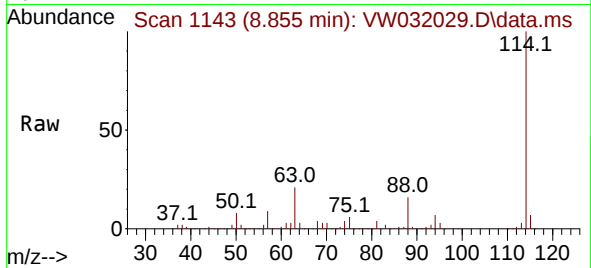




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

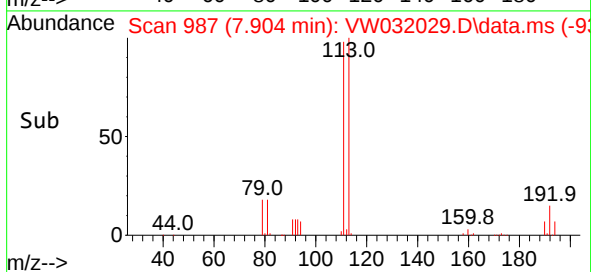
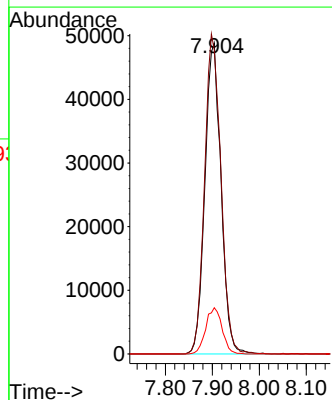
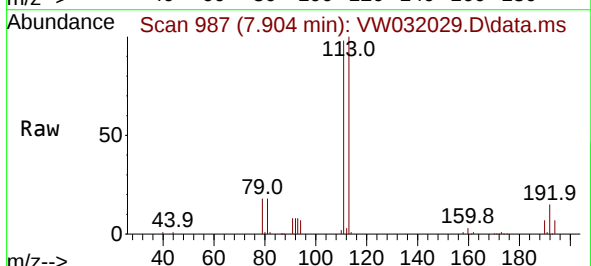
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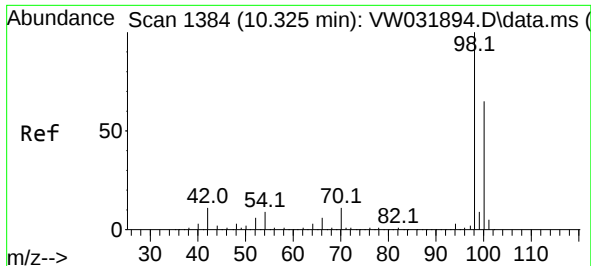
Tgt Ion:114 Resp: 360450
Ion Ratio Lower Upper
114 100
63 21.3 0.0 44.2
88 16.3 0.0 35.6



#35
Dibromofluoromethane
Concen: 47.378 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

Tgt Ion:113 Resp: 116043
Ion Ratio Lower Upper
113 100
111 104.4 79.9 119.9
192 15.1 12.6 19.0

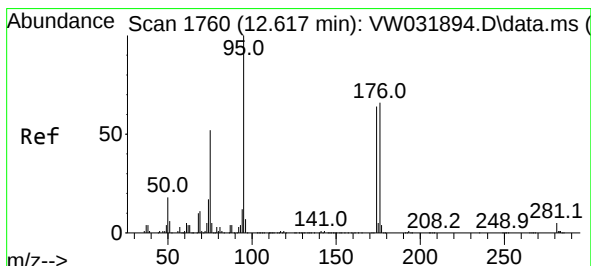
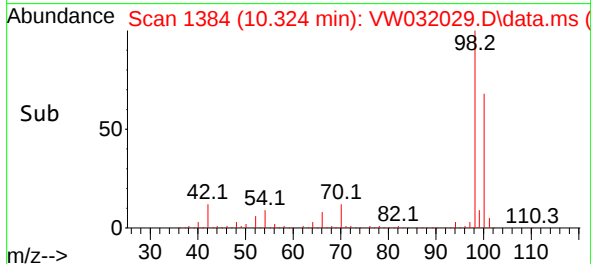
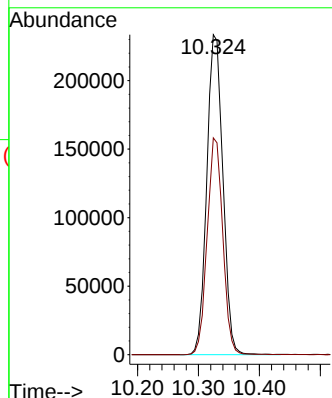
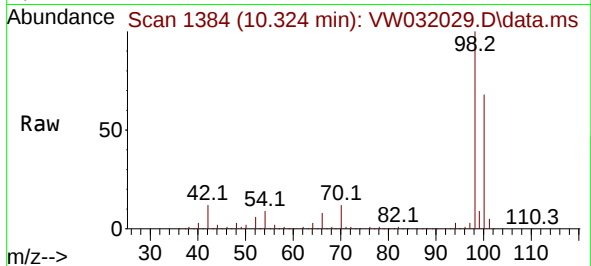




#50
Toluene-d8
Concen: 46.301 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

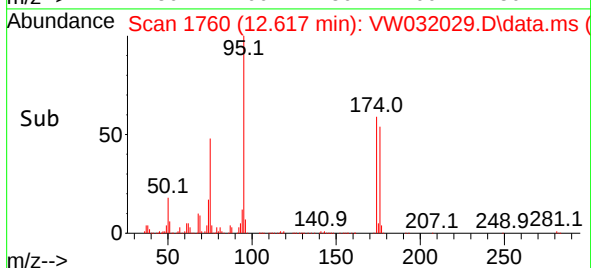
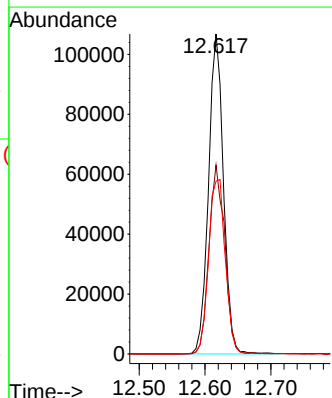
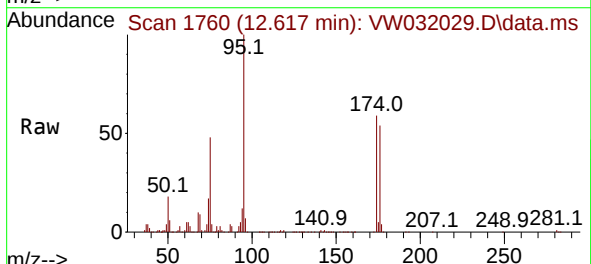
Instrument :
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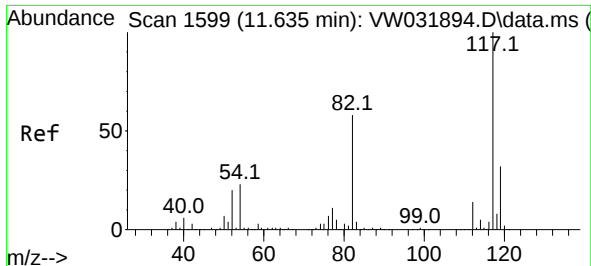
Tgt Ion: 98 Resp: 429199
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.471 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

Tgt Ion: 95 Resp: 168970
Ion Ratio Lower Upper
95 100
174 62.4 0.0 129.8
176 61.1 0.0 130.4

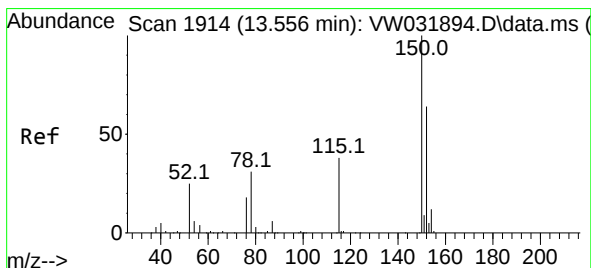
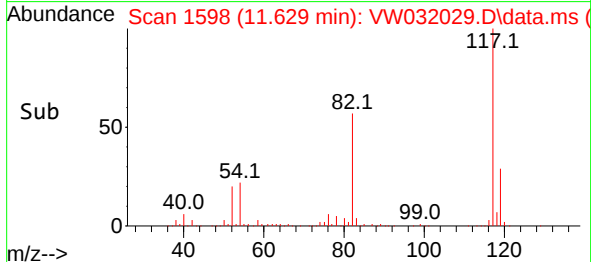
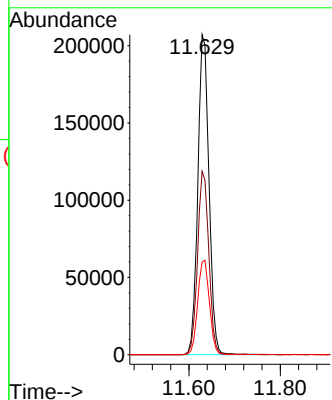
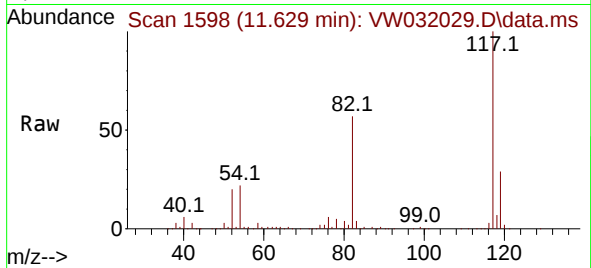




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

Instrument :
MSVOA_W
ClientSampleId :
PL-01-08062025

Tgt Ion:117 Resp: 350443
Ion Ratio Lower Upper
117 100
82 57.3 46.5 69.7
119 29.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032029.D
Acq: 06 Aug 2025 13:53

Tgt Ion:152 Resp: 168311
Ion Ratio Lower Upper
152 100
115 65.8 33.4 100.1
150 156.5 0.0 352.2

