

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031908.D
 Acq On : 23 Jul 2025 13:19
 Operator : SY/MD
 Sample : Q2676-01
 Misc : 5.31g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-07222025

Quant Time: Jul 24 02:52:11 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	93718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	188784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	167929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	76111	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	66429	46.856	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	93.720%
35) Dibromofluoromethane	7.898	113	56838	44.307	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.620%
50) Toluene-d8	10.331	98	219503	45.211	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.420%
62) 4-Bromofluorobenzene	12.617	95	75297	40.390	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	80.780%

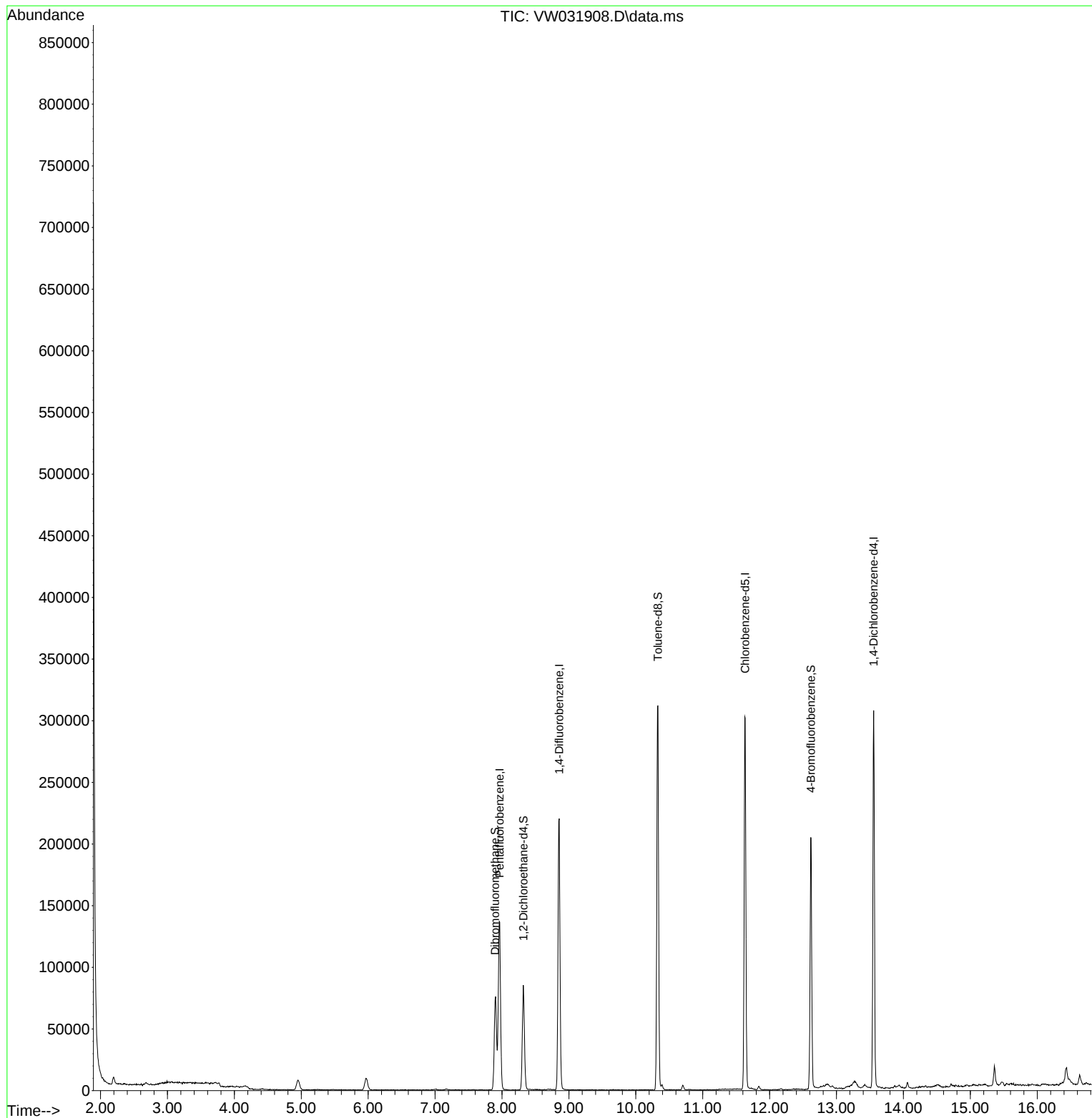
Target Compounds	Qvalue

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

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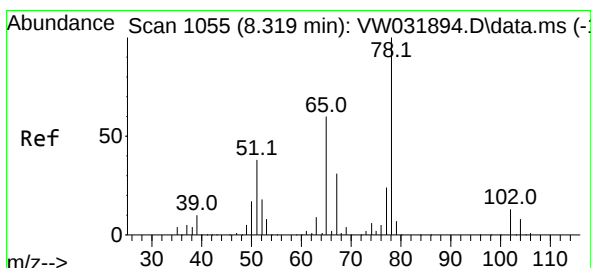
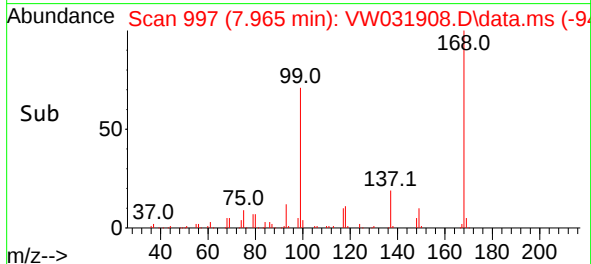
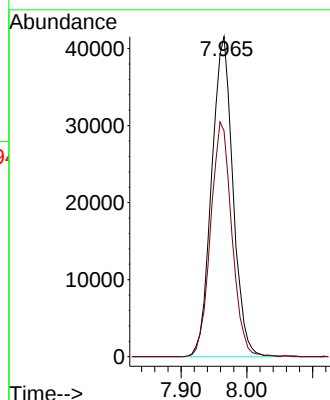
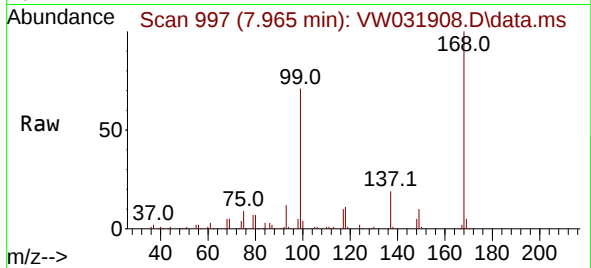




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

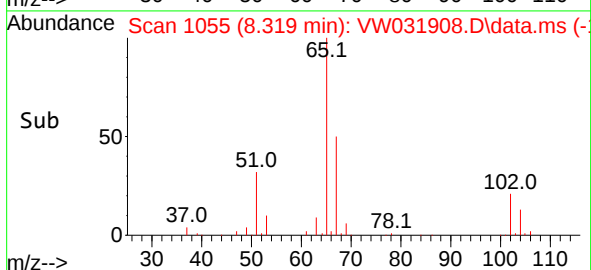
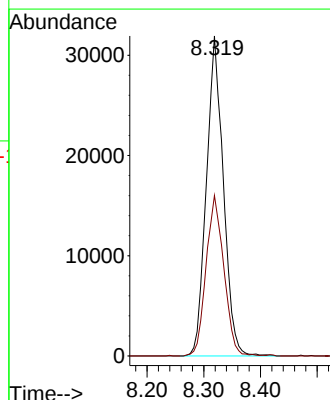
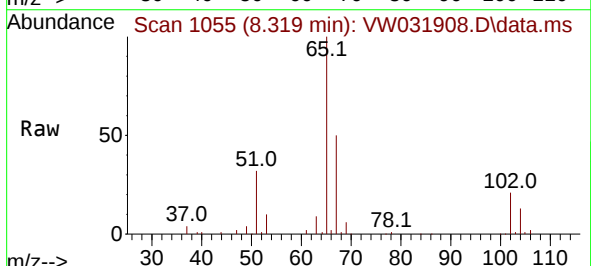
Instrument :
MSVOA_W
ClientSampleId :
HD-01-07222025

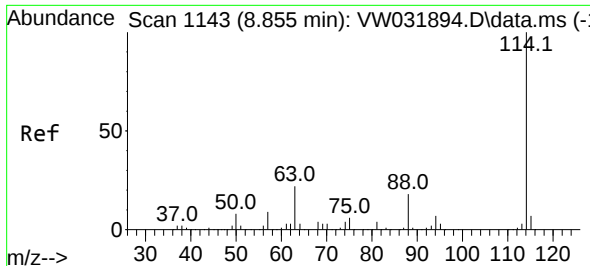
Tgt Ion:168 Resp: 93718
Ion Ratio Lower Upper
168 100
99 70.6 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 46.856 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

Tgt Ion: 65 Resp: 66429
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.4

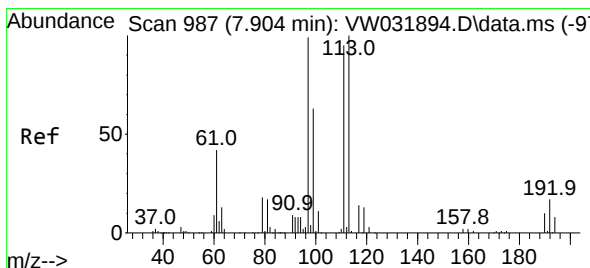
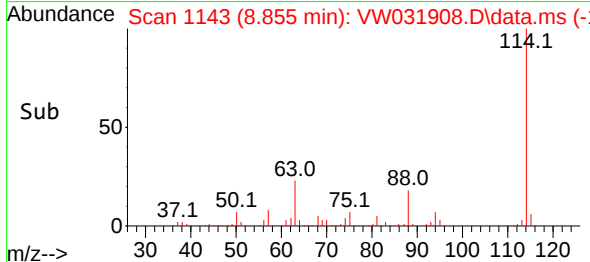
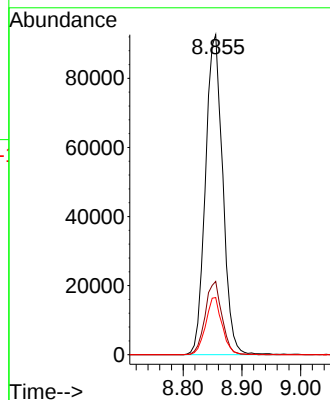
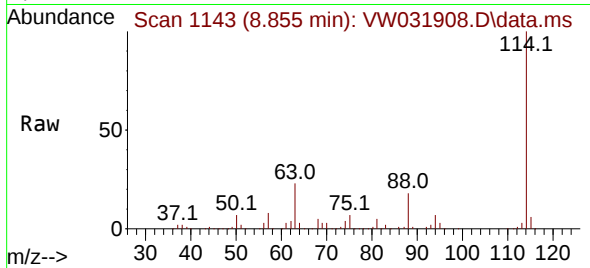




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

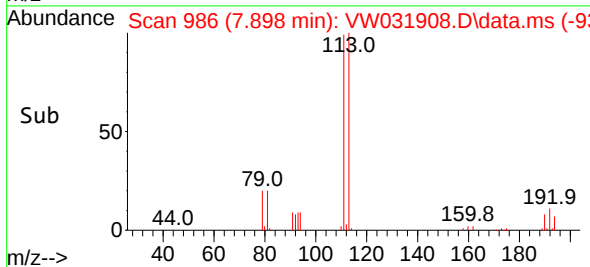
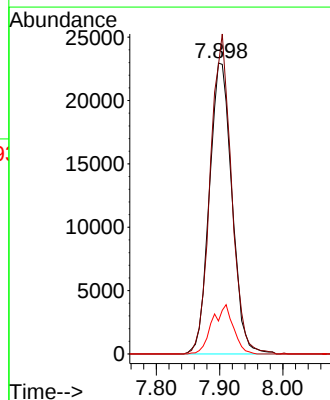
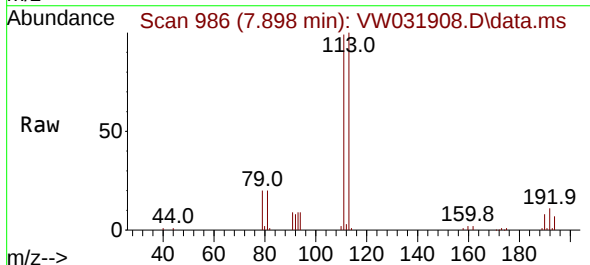
Instrument :
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ClientSampleId :
HD-01-07222025

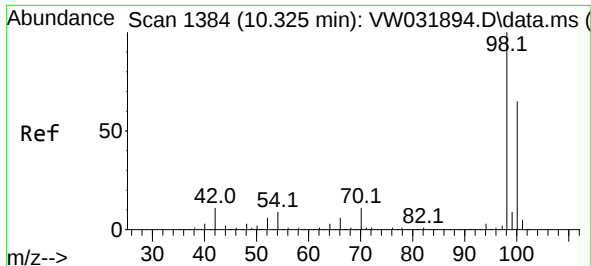
Tgt Ion:114 Resp: 188784
Ion Ratio Lower Upper
114 100
63 22.9 0.0 44.2
88 17.8 0.0 35.6



#35
Dibromofluoromethane
Concen: 44.307 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

Tgt Ion:113 Resp: 56838
Ion Ratio Lower Upper
113 100
111 103.2 79.9 119.9
192 16.0 12.6 19.0

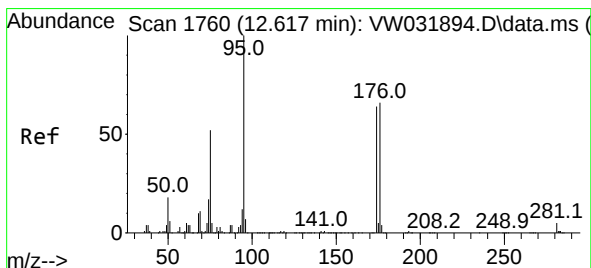
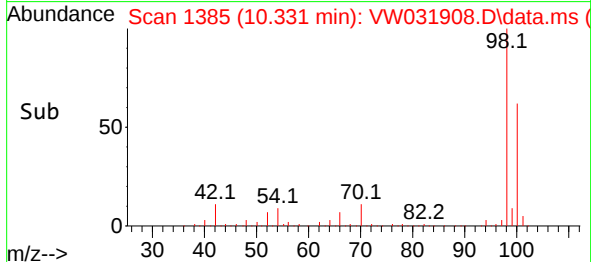
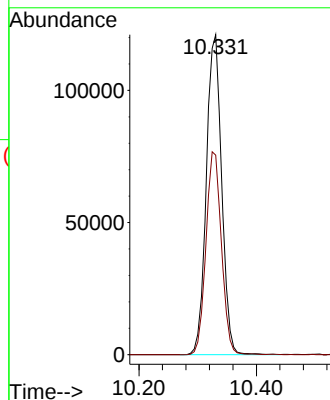
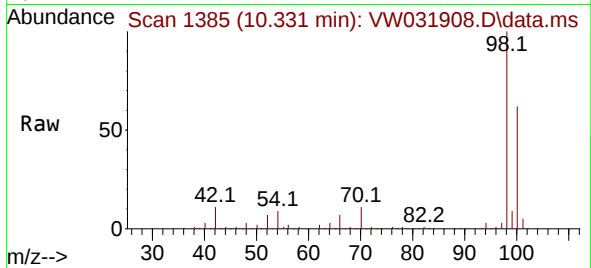




#50
Toluene-d8
Concen: 45.211 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

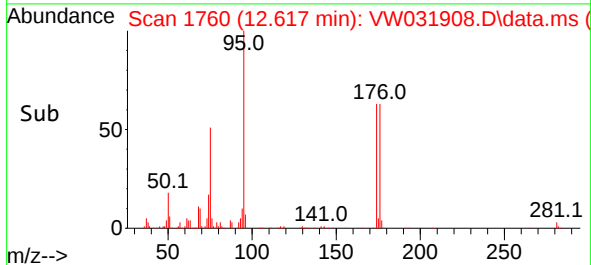
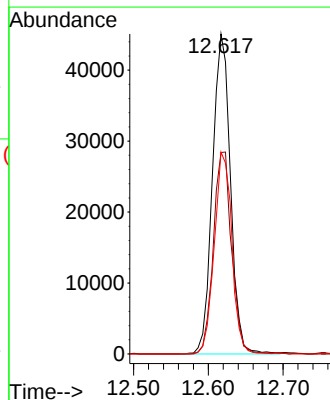
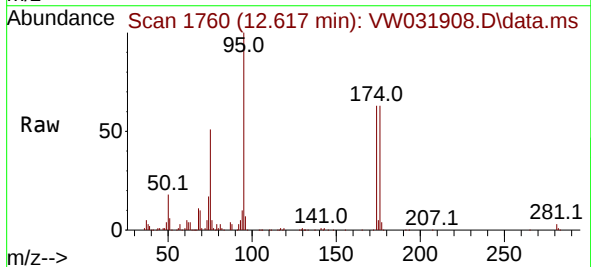
Instrument :
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HD-01-07222025

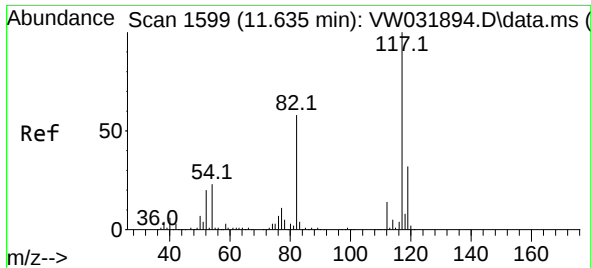
Tgt Ion: 98 Resp: 219503
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 40.390 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

Tgt Ion: 95 Resp: 75297
Ion Ratio Lower Upper
95 100
174 64.6 0.0 129.8
176 61.7 0.0 130.4

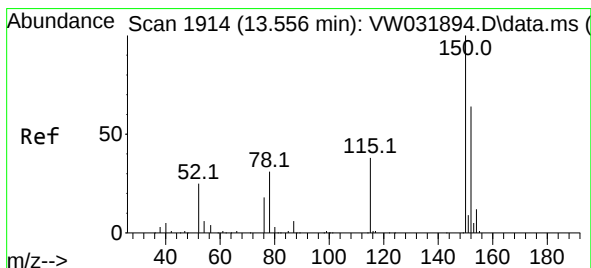
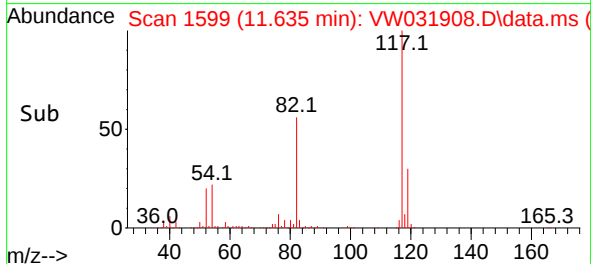
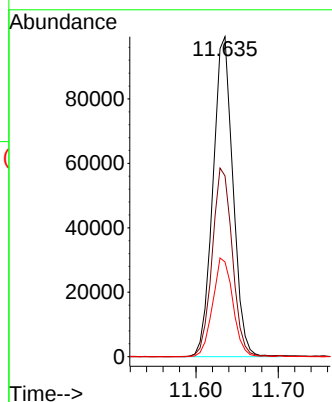
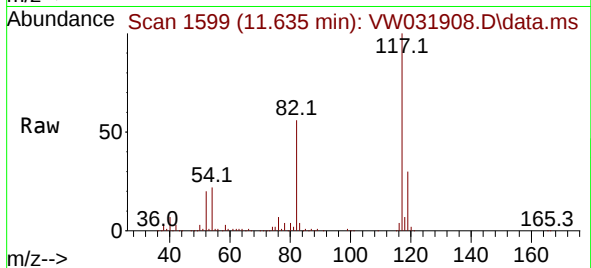




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031908.D
Acq: 23 Jul 2025 13:19

Instrument :
MSVOA_W
ClientSampleId :
HD-01-07222025

Tgt Ion:117 Resp: 167929
Ion Ratio Lower Upper
117 100
82 56.4 46.5 69.7
119 29.6 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: VW031908.D
Acq: 23 Jul 2025 13:19

Tgt Ion:152 Resp: 76111
Ion Ratio Lower Upper
152 100
115 68.4 33.4 100.1
150 164.0 0.0 352.2

