

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031906.D
 Acq On : 23 Jul 2025 12:36
 Operator : SY/MD
 Sample : Q2674-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TR-04-072225

Quant Time: Jul 24 02:51:17 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	218464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	439653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	395259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	178059	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	161164	48.767	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.540%
35) Dibromofluoromethane	7.904	113	135862	45.477	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	90.960%
50) Toluene-d8	10.325	98	529568	46.836	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.680%
62) 4-Bromofluorobenzene	12.617	95	276028	63.578	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	127.160%

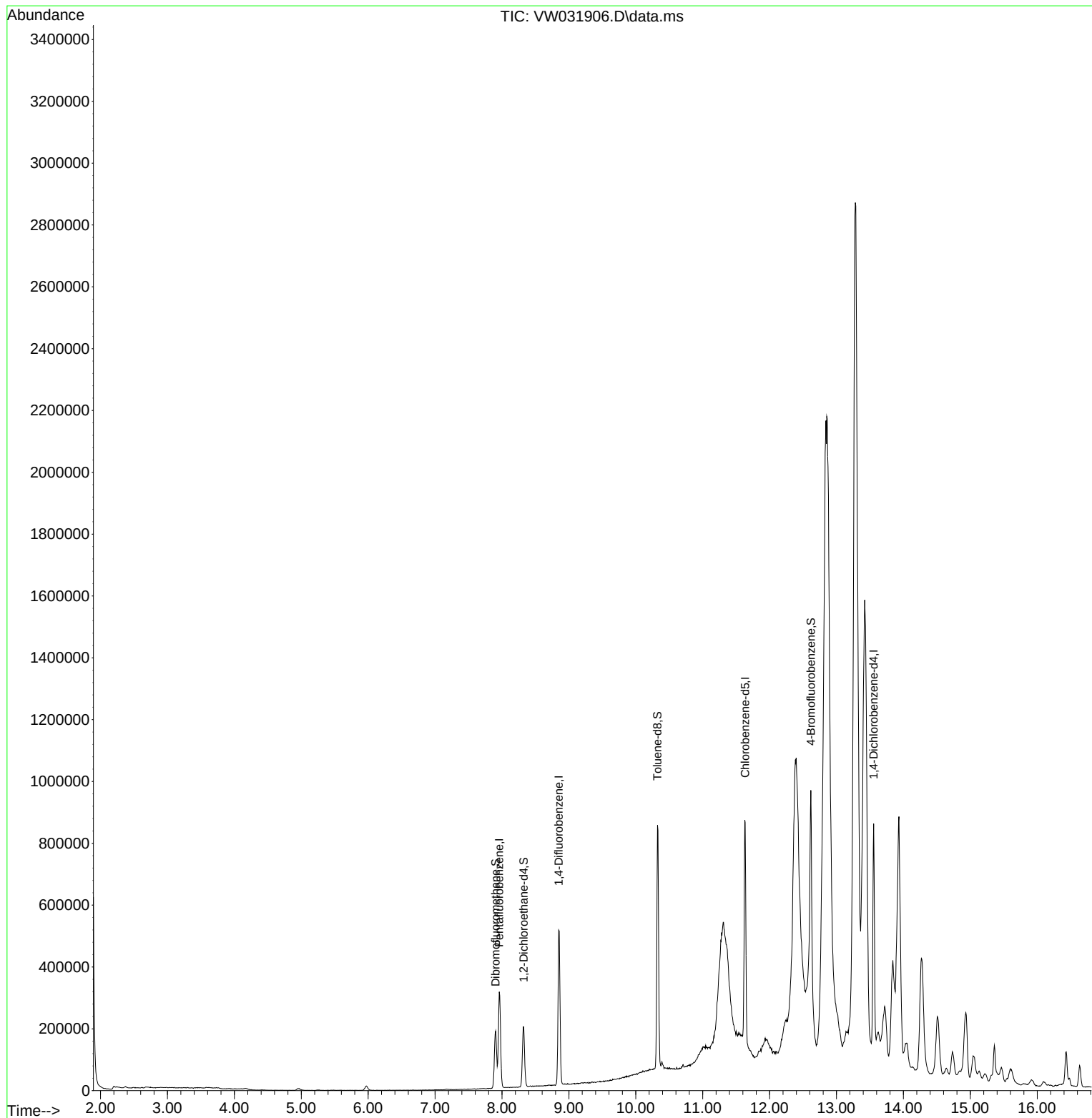
Target Compounds	Qvalue

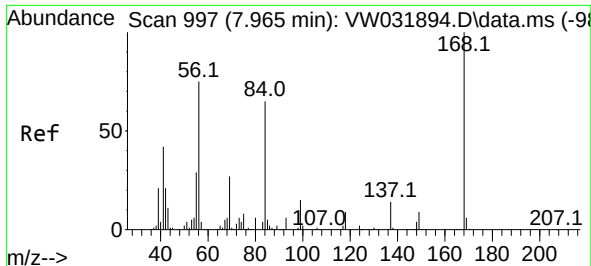
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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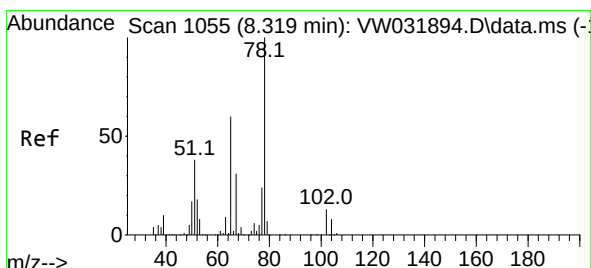
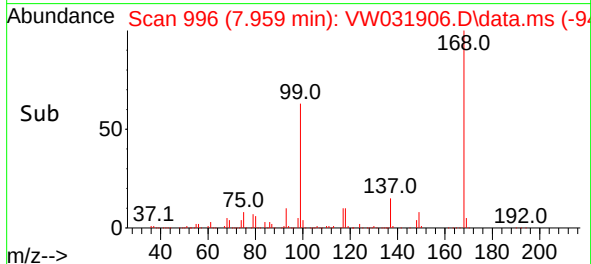
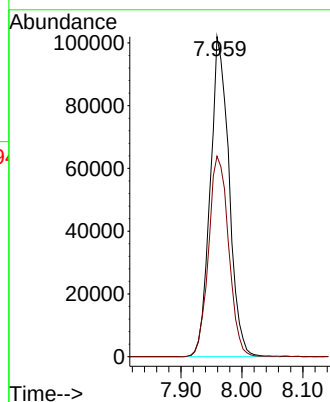
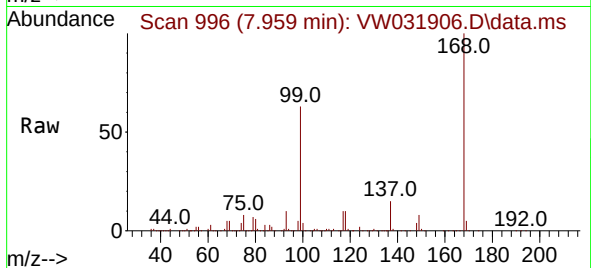




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031906.D
Acq: 23 Jul 2025 12:36

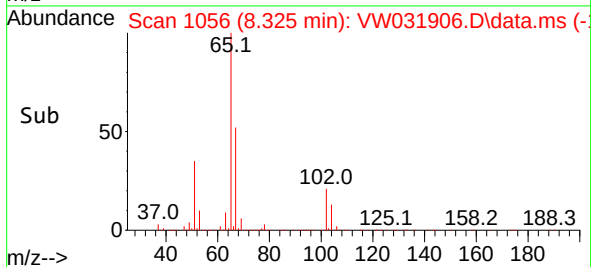
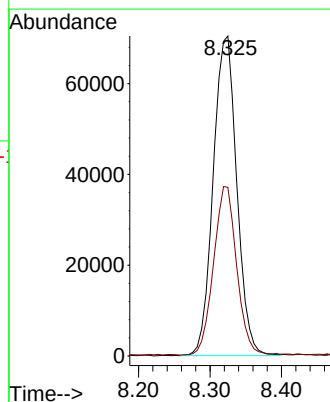
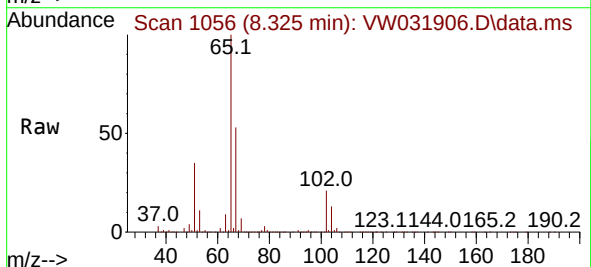
Instrument :
MSVOA_W
ClientSampleId :
TR-04-072225

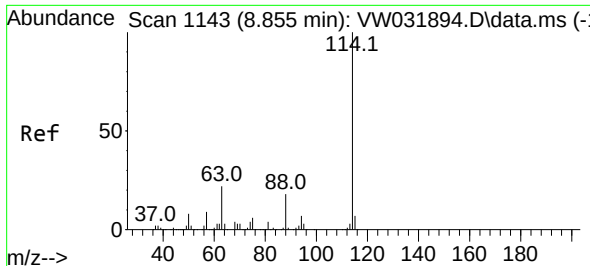
Tgt Ion:168 Resp: 218464
Ion Ratio Lower Upper
168 100
99 62.7 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 48.767 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031906.D
Acq: 23 Jul 2025 12:36

Tgt Ion: 65 Resp: 161164
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.4

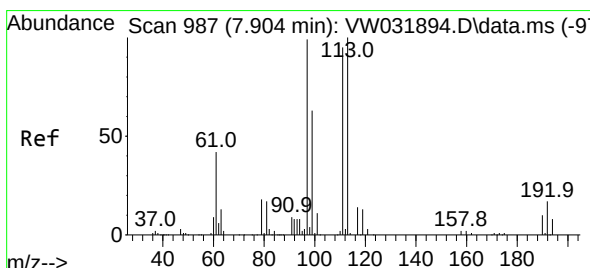
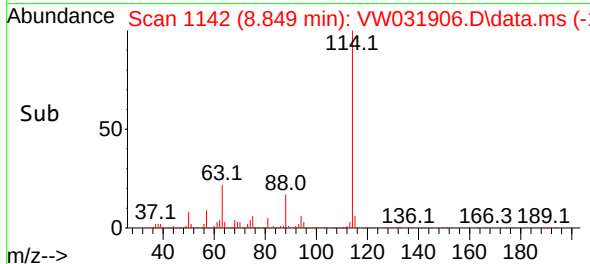
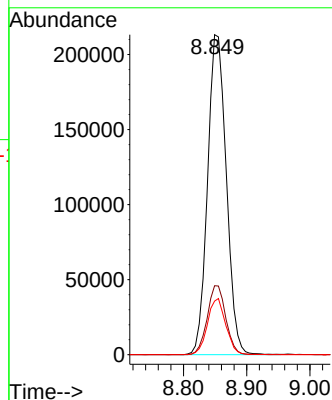
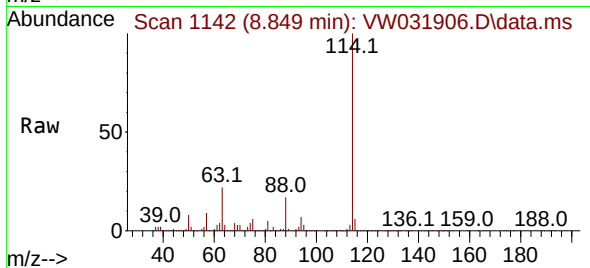




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW031906.D
Acq: 23 Jul 2025 12:36

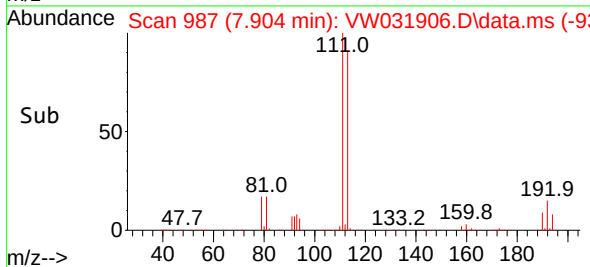
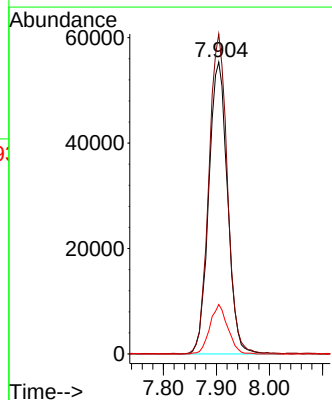
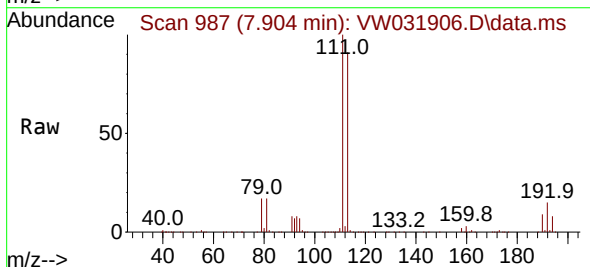
Instrument :
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TR-04-072225

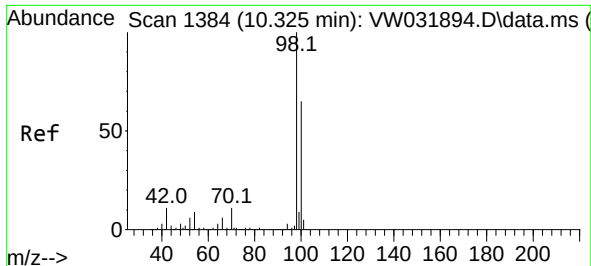
Tgt Ion:114 Resp: 439653
Ion Ratio Lower Upper
114 100
63 21.5 0.0 44.2
88 16.8 0.0 35.6



#35
Dibromofluoromethane
Concen: 45.477 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW031906.D
Acq: 23 Jul 2025 12:36

Tgt Ion:113 Resp: 135862
Ion Ratio Lower Upper
113 100
111 108.2 79.9 119.9
192 16.1 12.6 19.0

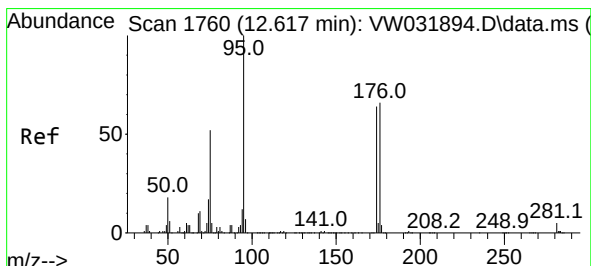
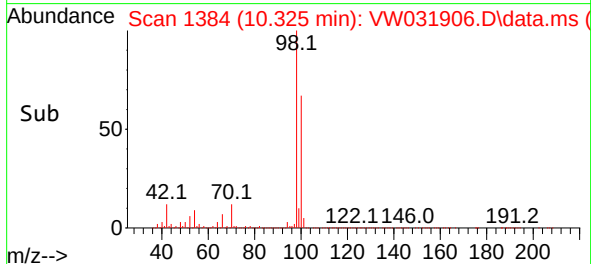
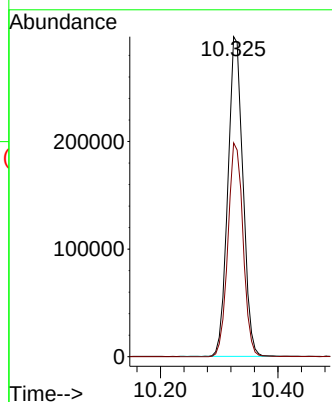
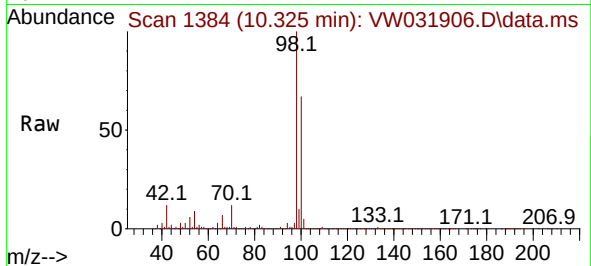




#50
Toluene-d8
Concen: 46.836 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031906.D
Acq: 23 Jul 2025 12:36

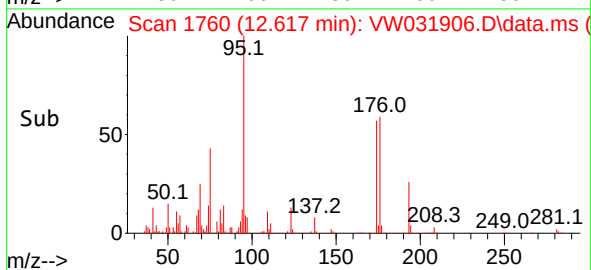
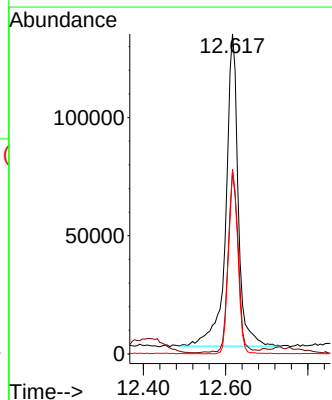
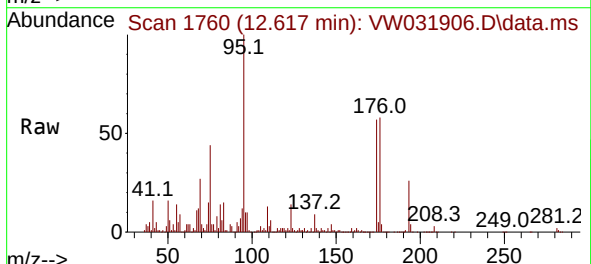
Instrument :
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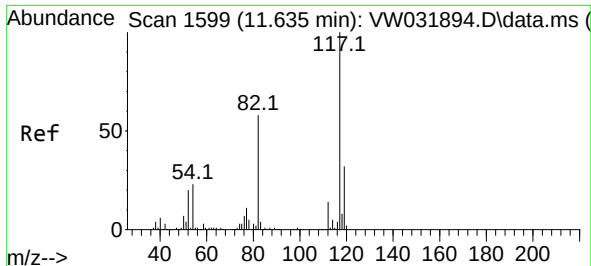
Tgt Ion: 98 Resp: 529568
Ion Ratio Lower Upper
98 100
100 67.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 63.578 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031906.D
Acq: 23 Jul 2025 12:36

Tgt Ion: 95 Resp: 276028
Ion Ratio Lower Upper
95 100
174 47.9 0.0 129.8
176 45.2 0.0 130.4

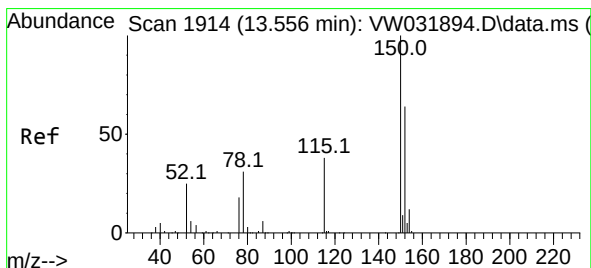
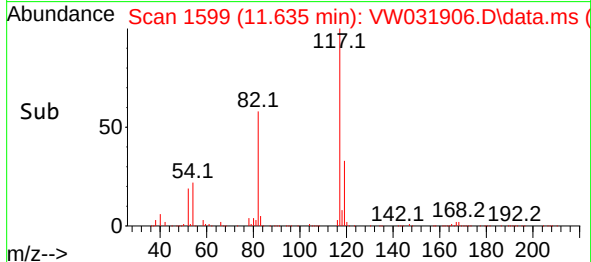
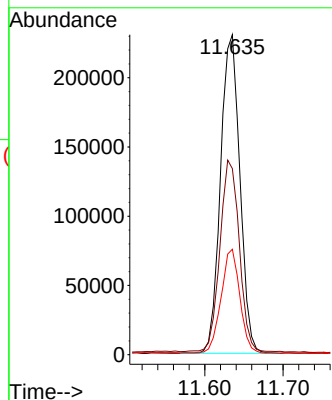
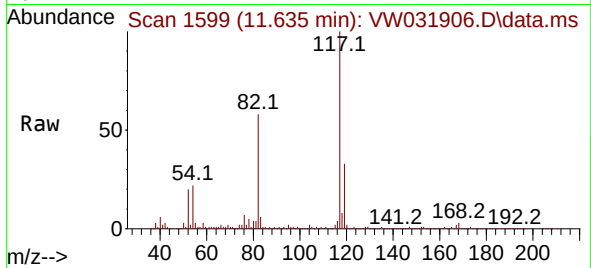




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031906.D
Acq: 23 Jul 2025 12:36

Instrument :
MSVOA_W
ClientSampleId :
TR-04-072225

Tgt Ion:117 Resp: 395259
Ion Ratio Lower Upper
117 100
82 57.4 46.5 69.7
119 32.6 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: VW031906.D
Acq: 23 Jul 2025 12:36

Tgt Ion:152 Resp: 178059
Ion Ratio Lower Upper
152 100
115 69.4 33.4 100.1
150 161.4 0.0 352.2

