

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031901.D
 Acq On : 23 Jul 2025 10:19
 Operator : SY/MD
 Sample : VW0723SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0723SBL01

Quant Time: Jul 24 02:47:32 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	7.953	168	207998	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	395789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	346442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	151167	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	141037	44.824	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	89.640%
35) Dibromofluoromethane	7.898	113	125493	46.661	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.320%
50) Toluene-d8	10.324	98	468984	46.075	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.160%
62) 4-Bromofluorobenzene	12.617	95	154463	39.521	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	79.040%

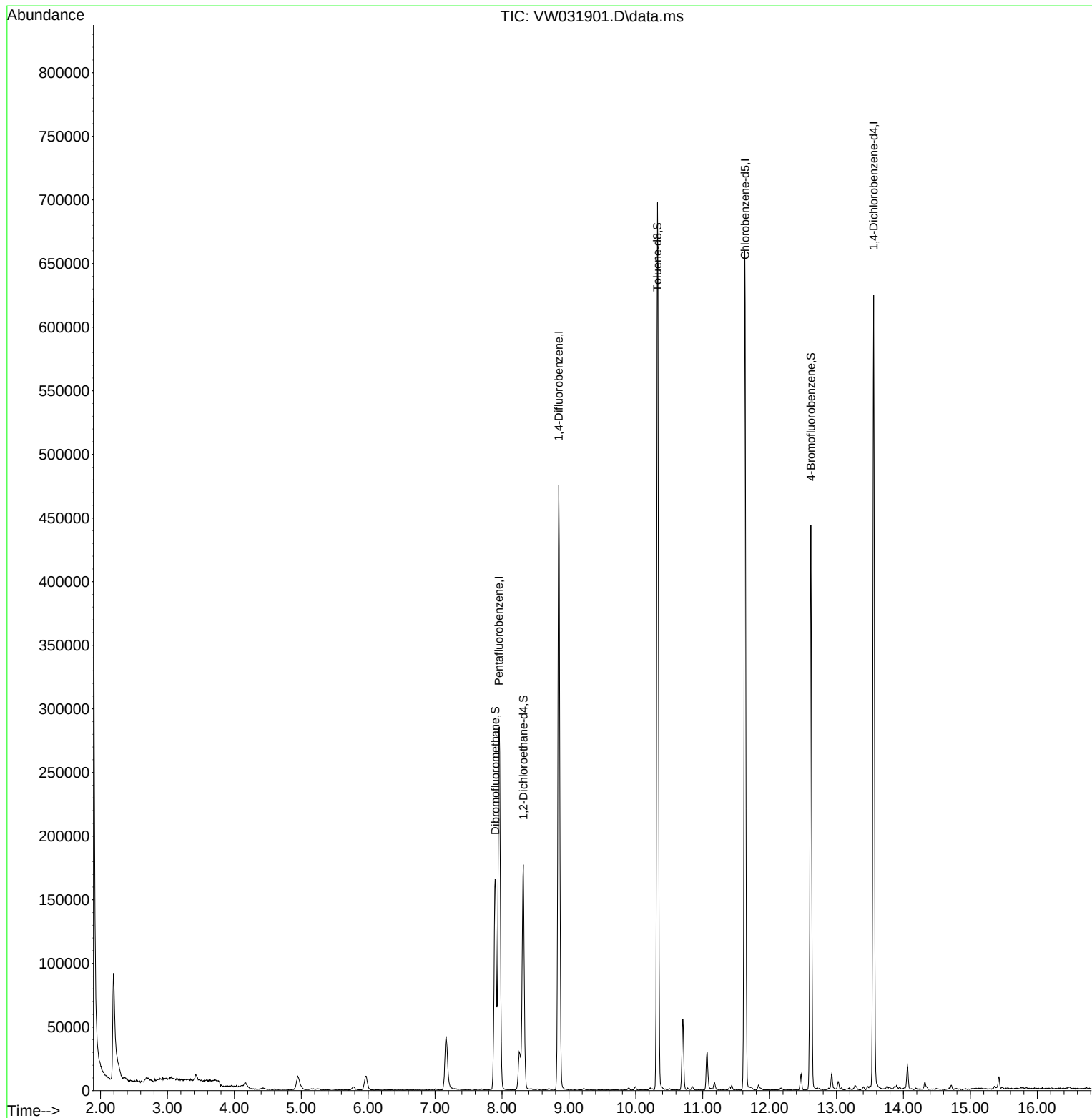
Target Compounds	Qvalue

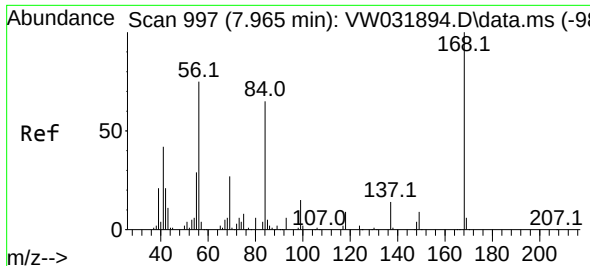
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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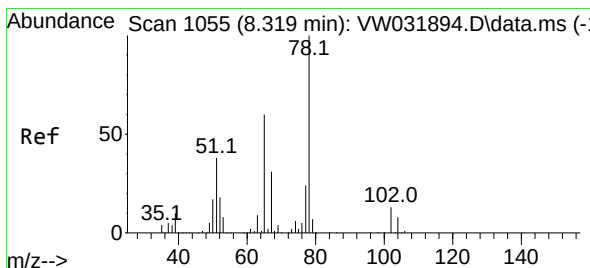
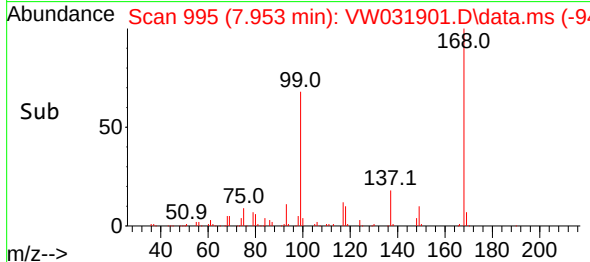
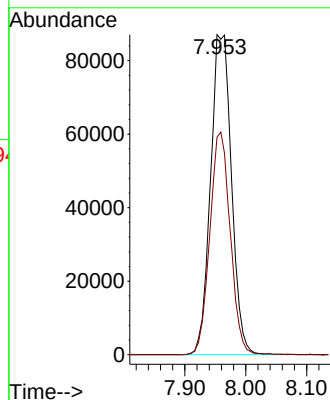
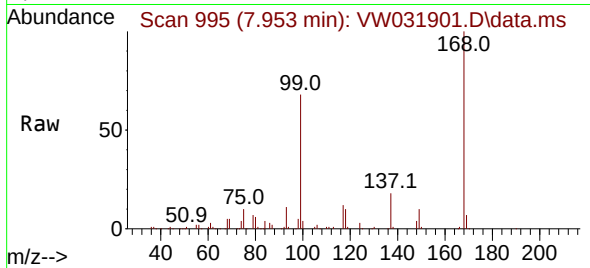




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.012 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

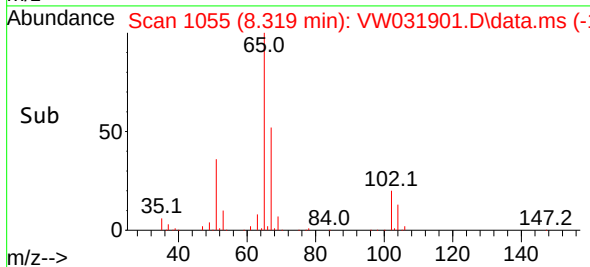
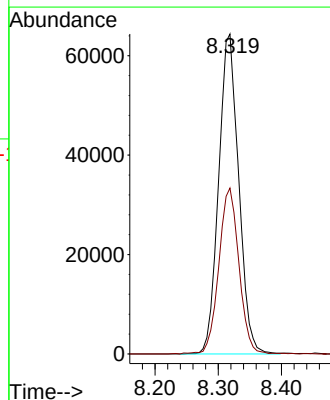
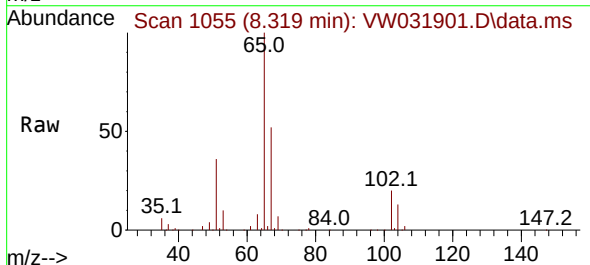
Instrument :
MSVOA_W
ClientSampleId :
VW0723SBL01

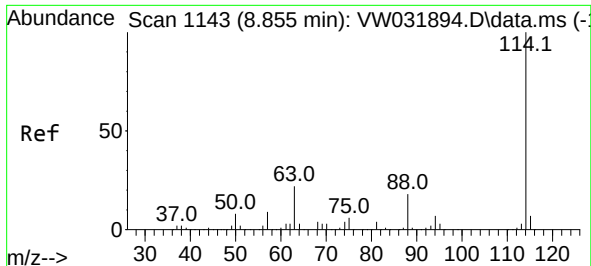
Tgt Ion:168 Resp: 207998
Ion Ratio Lower Upper
168 100
99 67.9 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 44.824 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Tgt Ion: 65 Resp: 141037
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.4

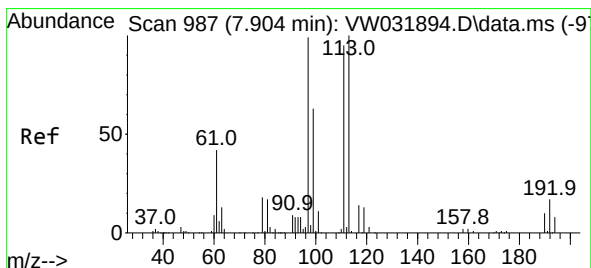
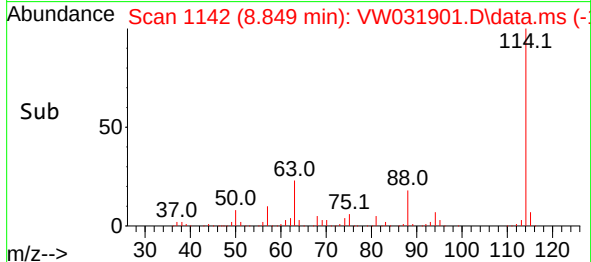
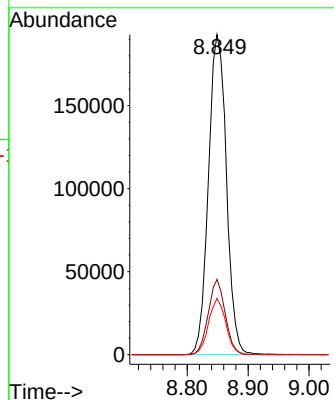
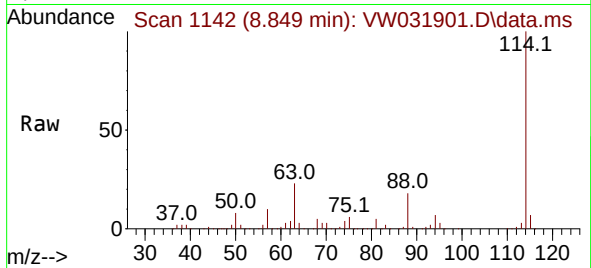




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1143
 Delta R.T. -0.006 min
 Lab File: VW031901.D
 Acq: 23 Jul 2025 10:19

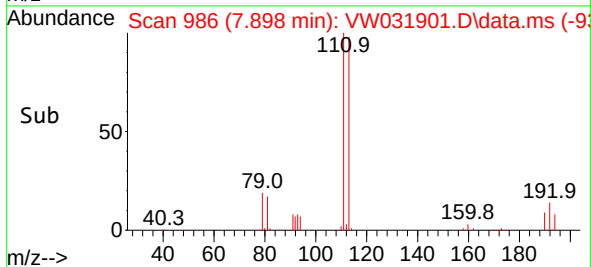
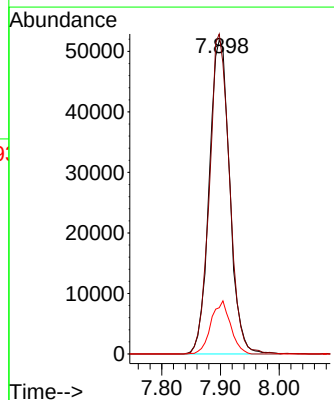
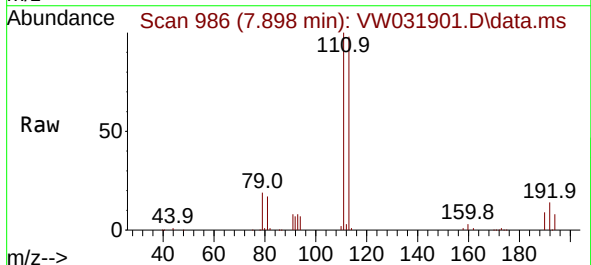
Instrument :
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 VW0723SBL01

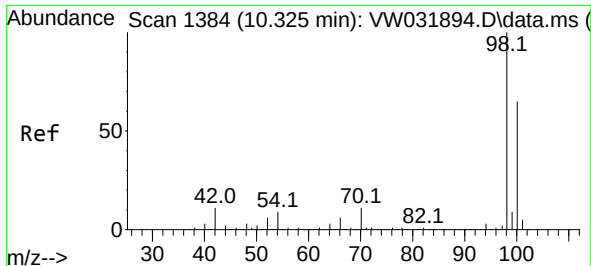
Tgt Ion:114 Resp: 395789
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 44.2
 88 17.6 0.0 35.6



#35
 Dibromofluoromethane
 Concen: 46.661 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW031901.D
 Acq: 23 Jul 2025 10:19

Tgt Ion:113 Resp: 125493
 Ion Ratio Lower Upper
 113 100
 111 99.7 79.9 119.9
 192 16.1 12.6 19.0

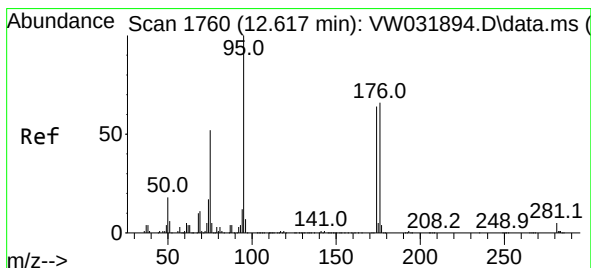
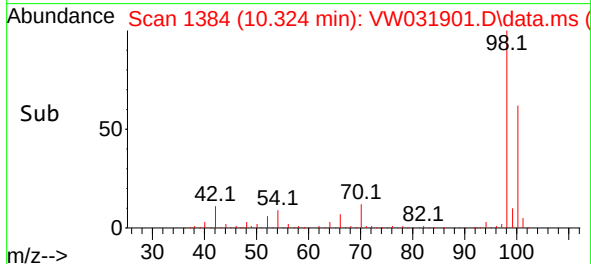
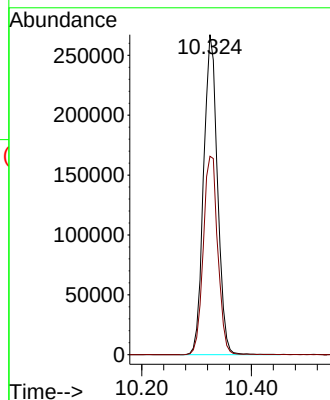
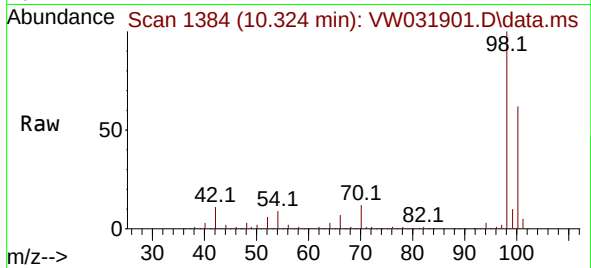




#50
Toluene-d8
Concen: 46.075 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

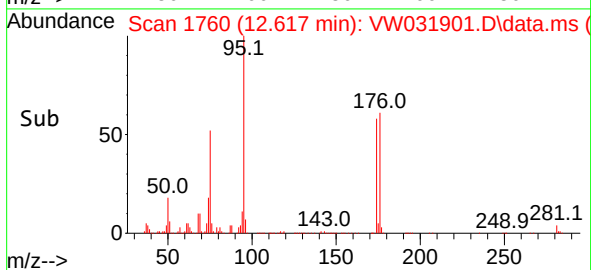
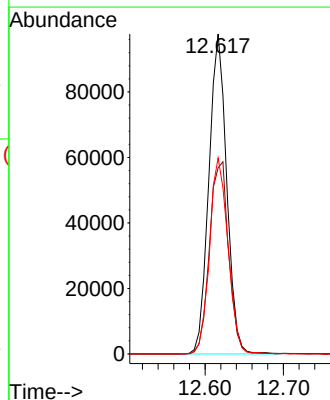
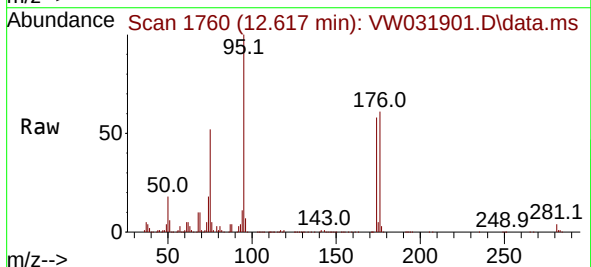
Instrument :
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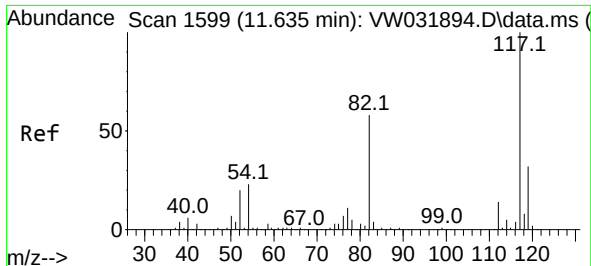
Tgt Ion: 98 Resp: 468984
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 39.521 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Tgt Ion: 95 Resp: 154463
Ion Ratio Lower Upper
95 100
174 64.7 0.0 129.8
176 63.3 0.0 130.4

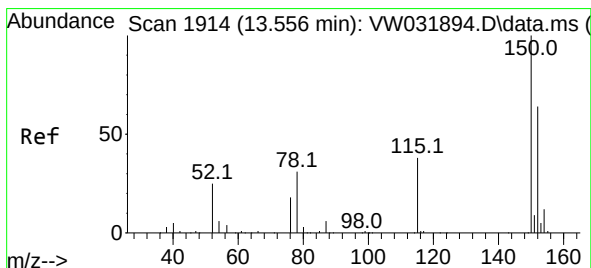
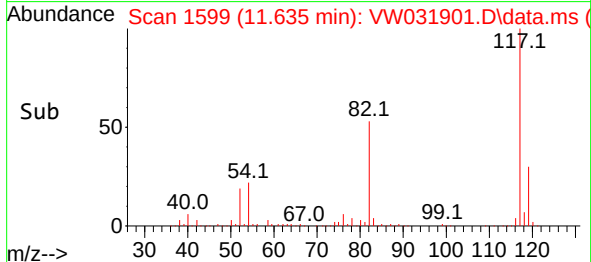
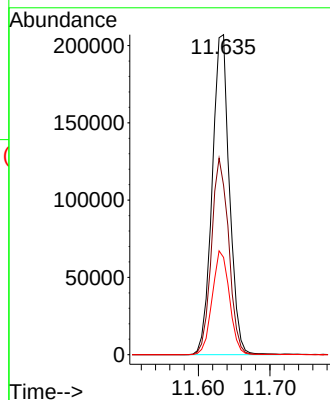
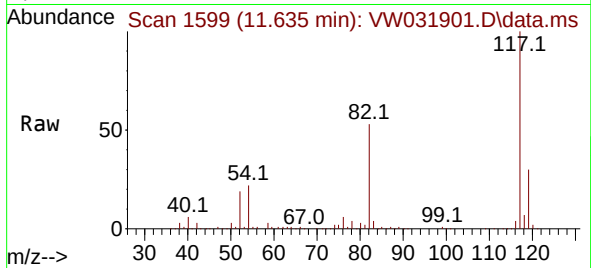




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031901.D
Acq: 23 Jul 2025 10:19

Instrument :
MSVOA_W
ClientSampleId :
VW0723SBL01

Tgt Ion:117 Resp: 346442
Ion Ratio Lower Upper
117 100
82 52.9 46.5 69.7
119 30.4 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: VW031901.D
Acq: 23 Jul 2025 10:19

Tgt Ion:152 Resp: 151167
Ion Ratio Lower Upper
152 100
115 65.7 33.4 100.1
150 166.2 0.0 352.2

