

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072825\
 Data File : VW031946.D
 Acq On : 28 Jul 2025 15:24
 Operator : SY/MD
 Sample : Q2709-01
 Misc : 4.80g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 7211935-295

Quant Time: Jul 29 01:21:26 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	172558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	361103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	349635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	175406	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	146776	56.228	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	112.460%
35) Dibromofluoromethane	7.904	113	122378	49.874	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.740%
50) Toluene-d8	10.325	98	453442	48.827	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.617	95	172551	48.389	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.780%

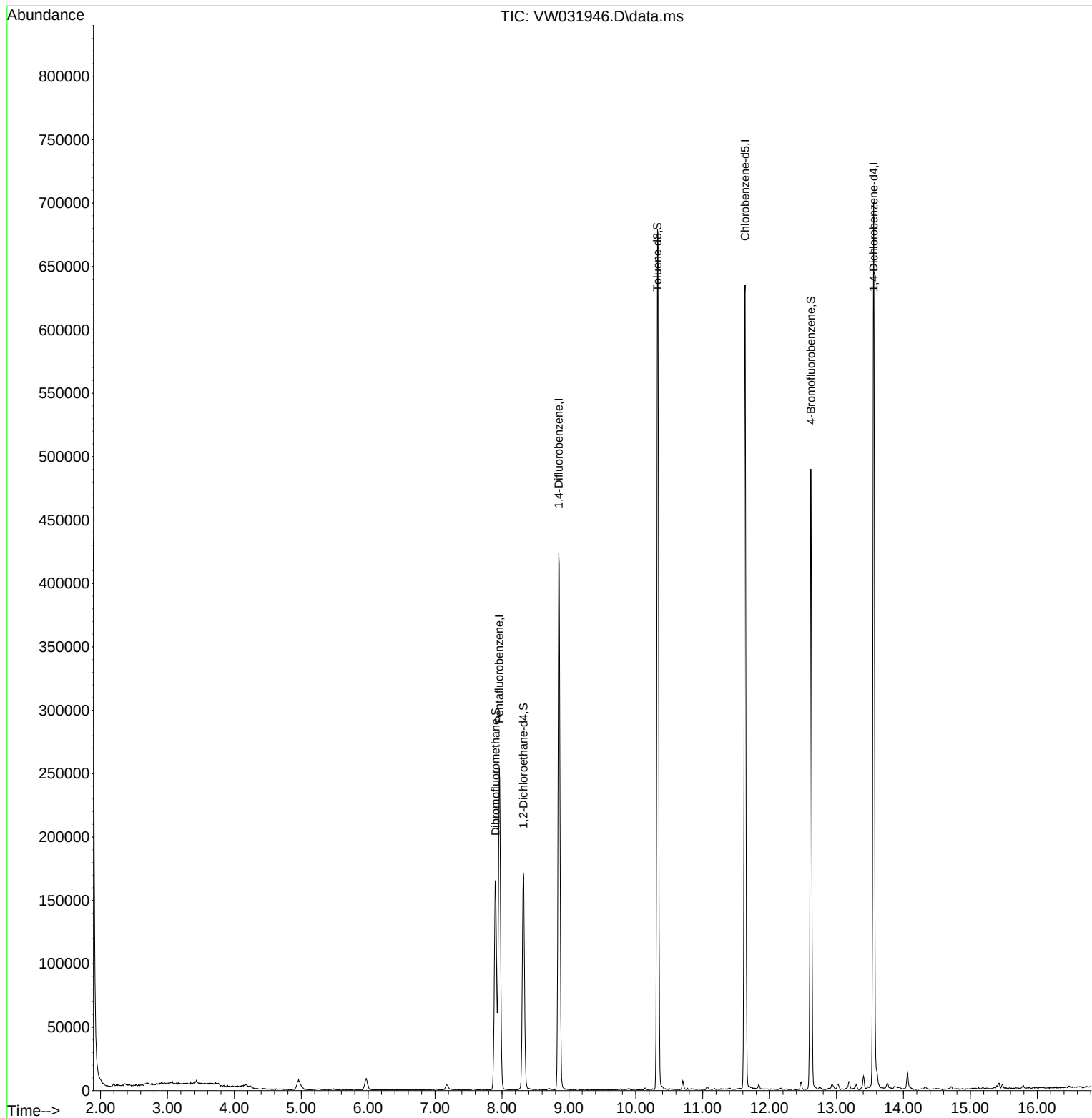
Target Compounds	Qvalue

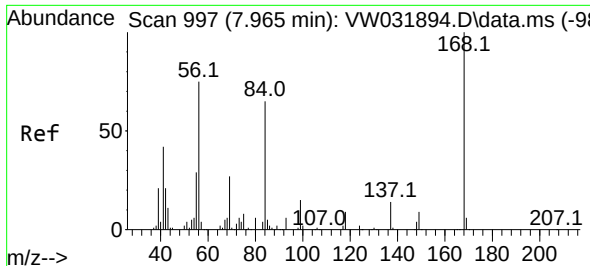
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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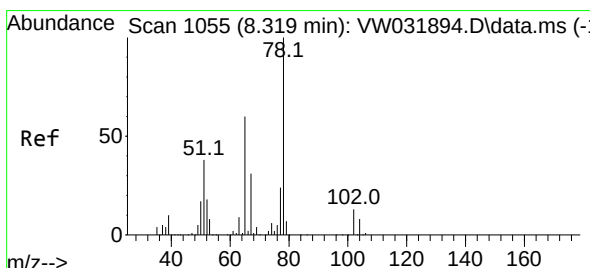
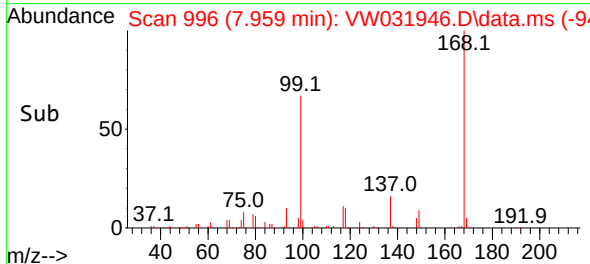
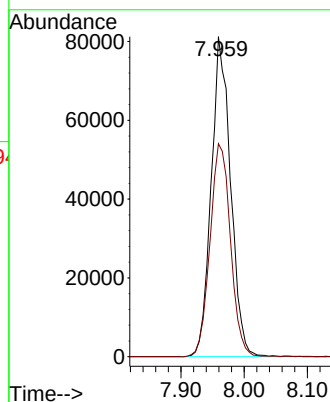
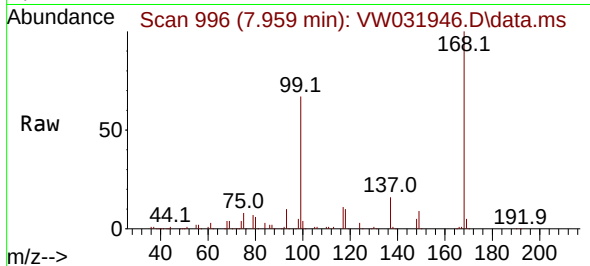




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

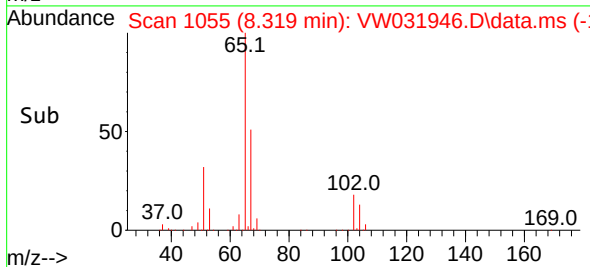
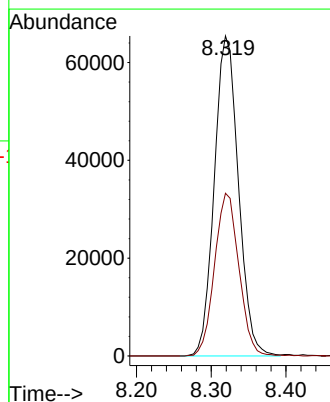
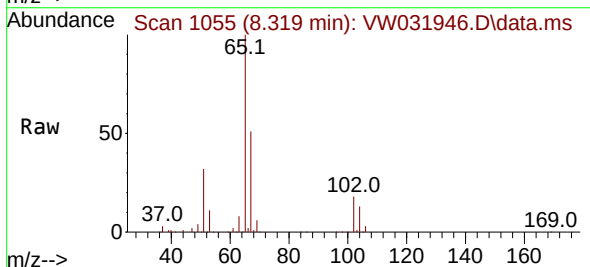
Instrument :
MSVOA_W
ClientSampleId :
7211935-295

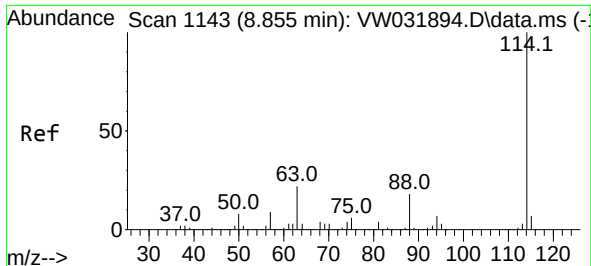
Tgt Ion:168 Resp: 172558
Ion Ratio Lower Upper
168 100
99 66.5 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 56.228 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

Tgt Ion: 65 Resp: 146776
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4

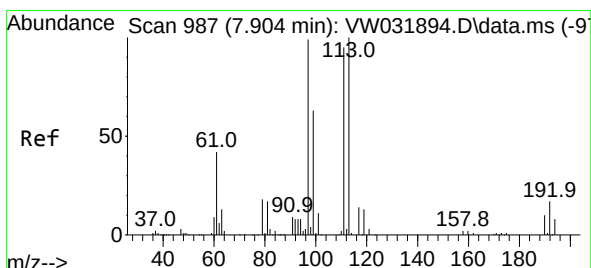
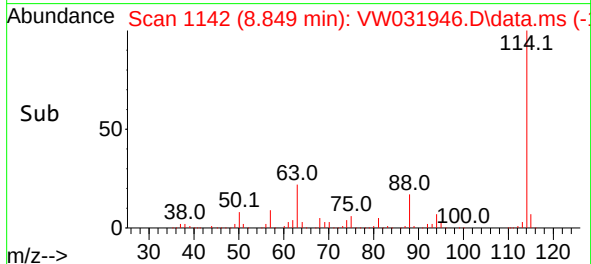
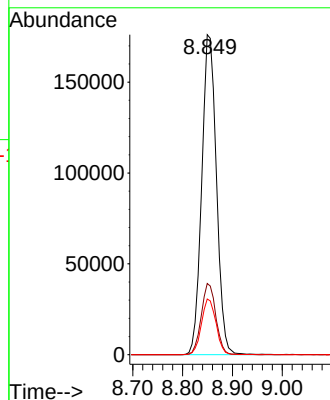
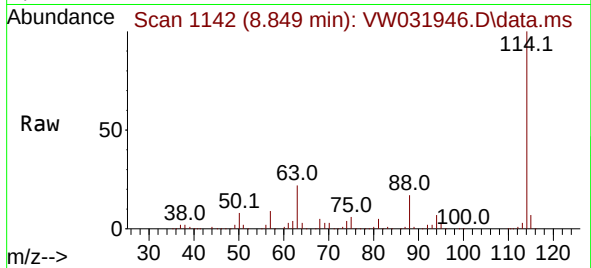




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

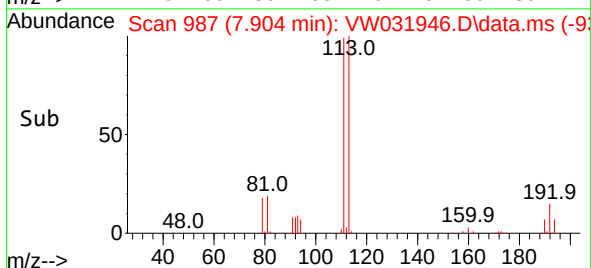
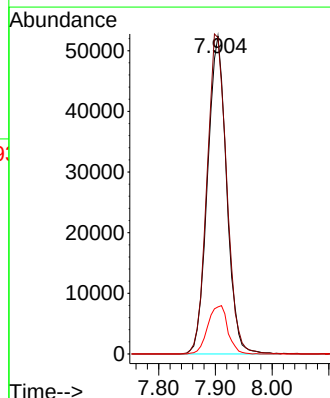
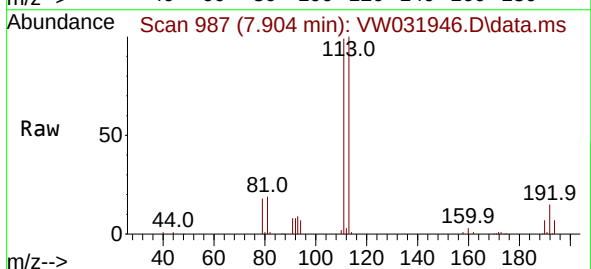
Instrument :
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ClientSampleId :
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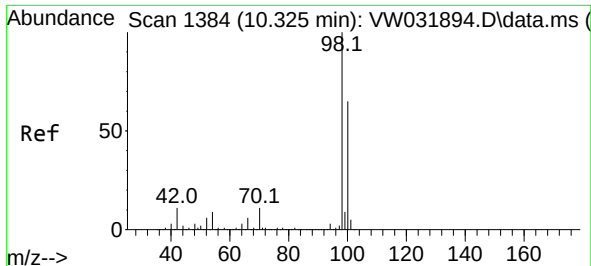
Tgt Ion:114 Resp: 361103
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.2
88 17.4 0.0 35.6



#35
Dibromofluoromethane
Concen: 49.874 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

Tgt Ion:113 Resp: 122378
Ion Ratio Lower Upper
113 100
111 103.8 79.9 119.9
192 15.9 12.6 19.0

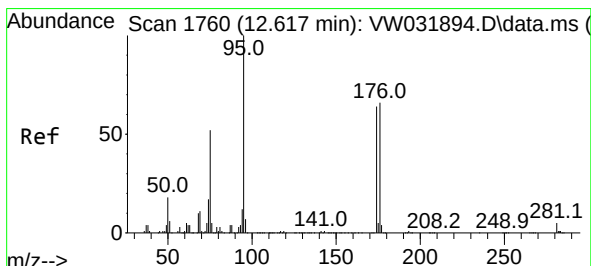
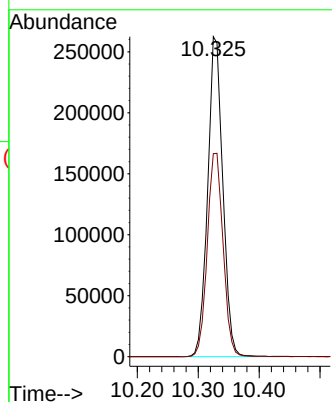
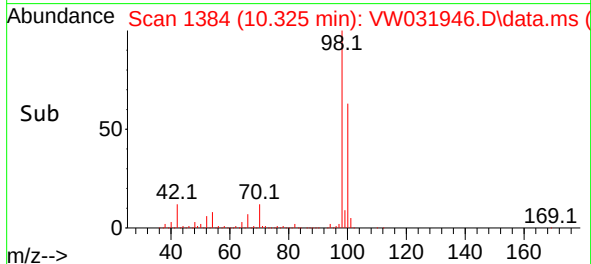
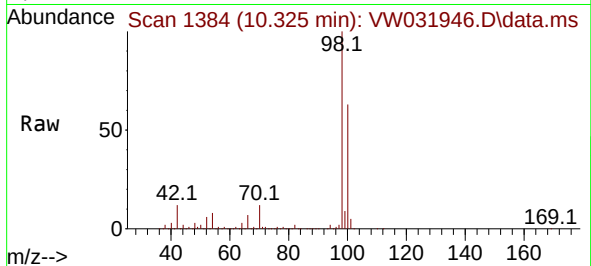




#50
Toluene-d8
Concen: 48.827 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

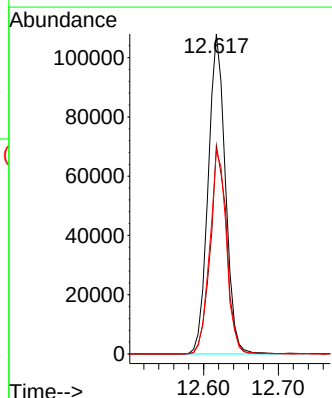
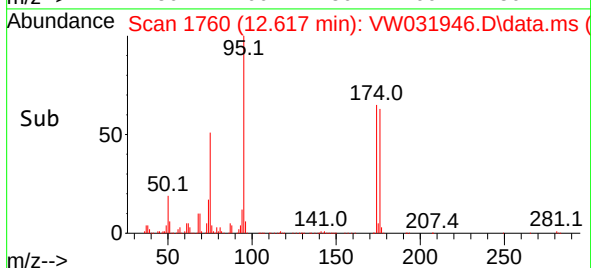
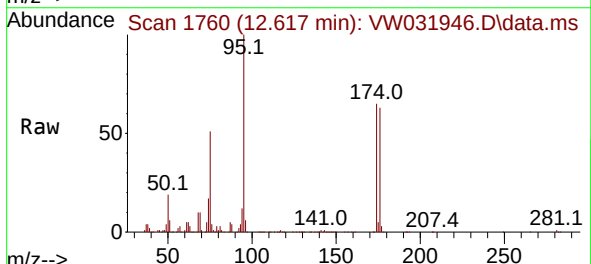
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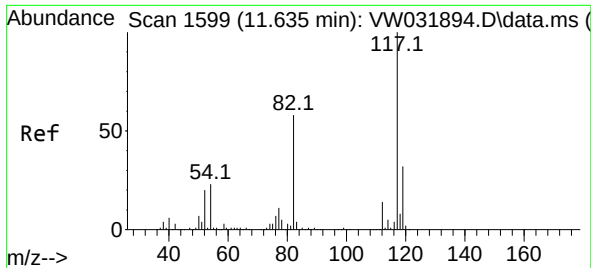
Tgt Ion: 98 Resp: 453442
Ion Ratio Lower Upper
98 100
100 66.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.389 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

Tgt Ion: 95 Resp: 172551
Ion Ratio Lower Upper
95 100
174 62.1 0.0 129.8
176 61.9 0.0 130.4

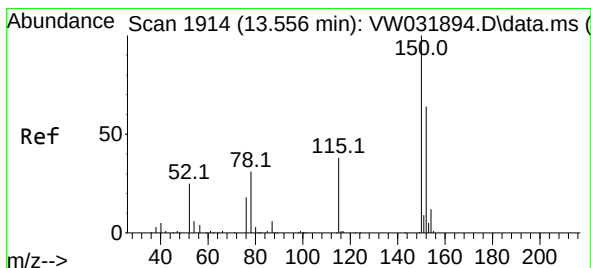
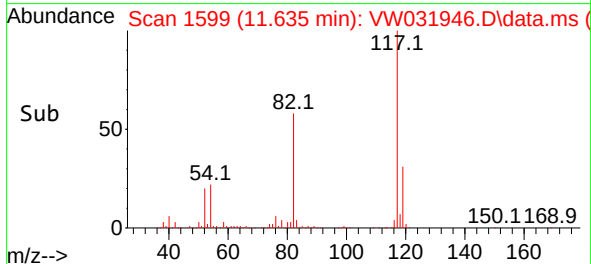
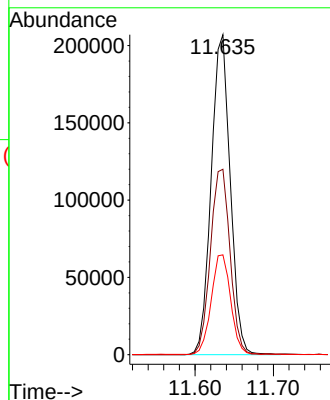
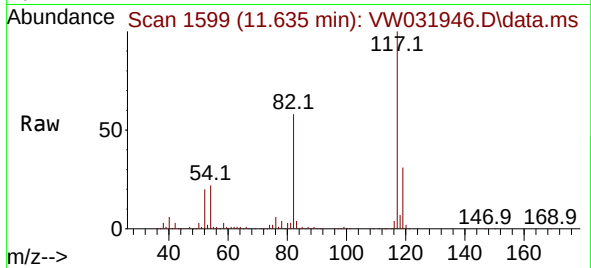




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031946.D
Acq: 28 Jul 2025 15:24

Instrument :
MSVOA_W
ClientSampleId :
7211935-295

Tgt Ion:117 Resp: 349635
Ion Ratio Lower Upper
117 100
82 57.9 46.5 69.7
119 31.1 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: VW031946.D
Acq: 28 Jul 2025 15:24

Tgt Ion:152 Resp: 175406
Ion Ratio Lower Upper
152 100
115 64.2 33.4 100.1
150 157.6 0.0 352.2

