

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072525\
 Data File : VW031933.D
 Acq On : 25 Jul 2025 12:12
 Operator : SY/MD
 Sample : Q2691-01RE
 Misc : 4.64g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 295RE

Quant Time: Jul 25 23:04:48 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)

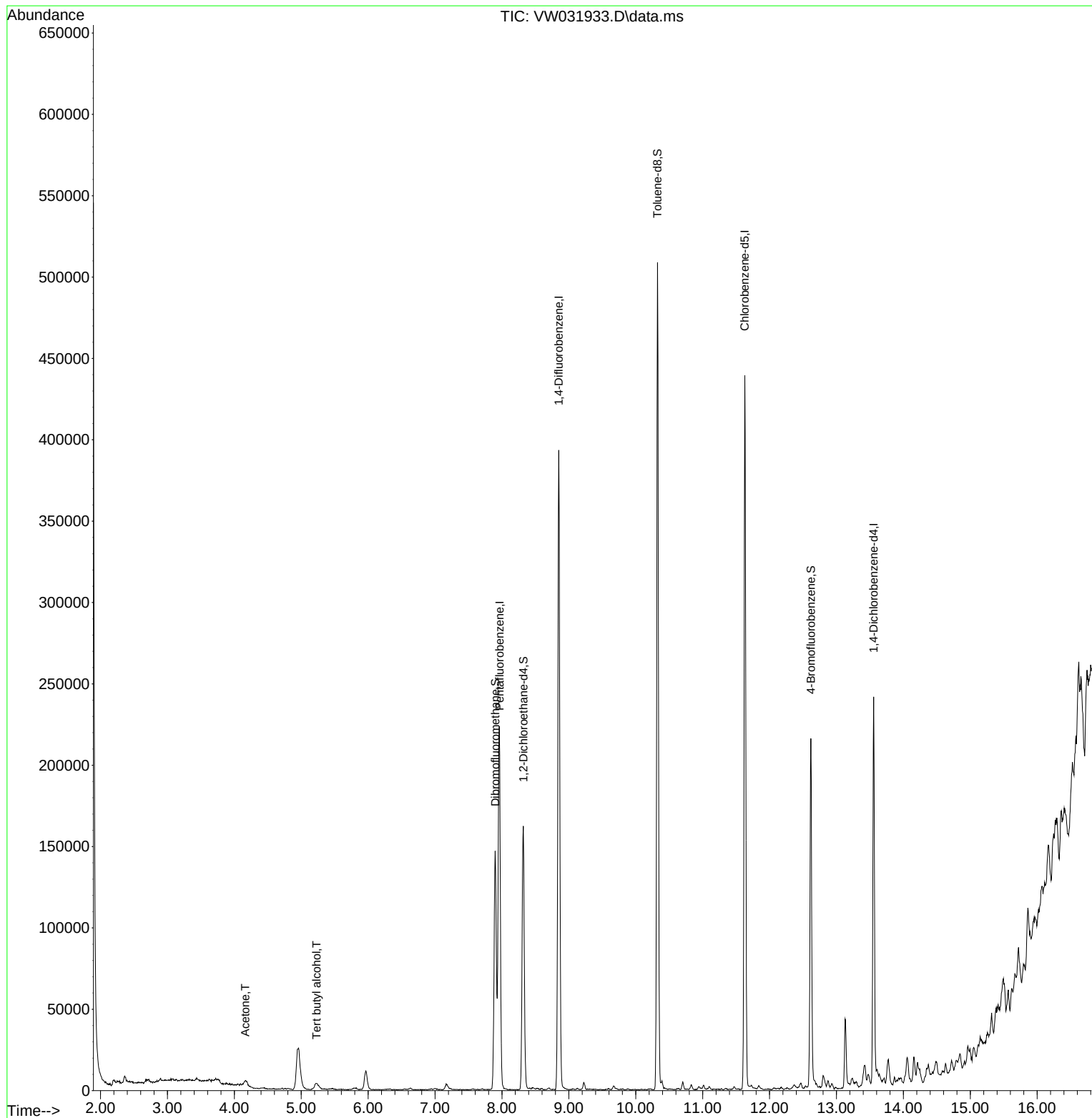
Internal Standards						
1) Pentafluorobenzene	7.965	168	154586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	326639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	241454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	59137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135112	57.777	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	115.560%
35) Dibromofluoromethane	7.898	113	108615	48.935	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.880%
50) Toluene-d8	10.325	98	335895	39.986	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	79.980%
62) 4-Bromofluorobenzene	12.617	95	81470	25.258	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	50.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	7669	55.791	ug/l #	83
16) Acetone	4.161	43	4954	8.928	ug/l #	83

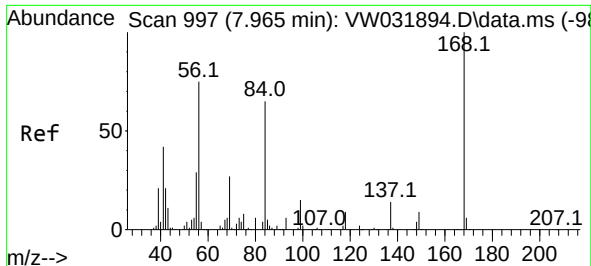
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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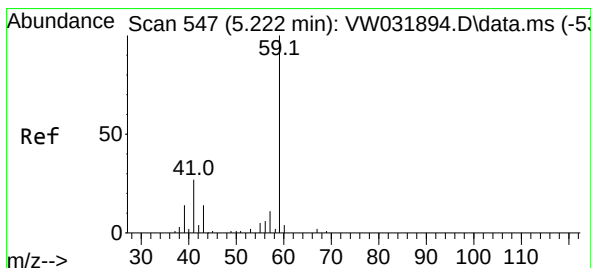
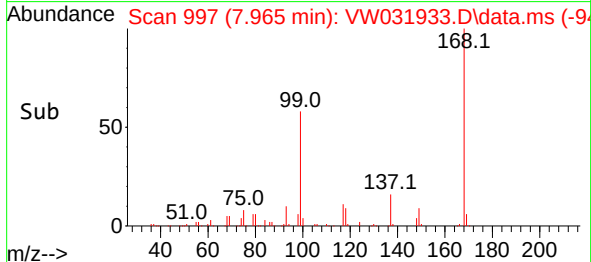
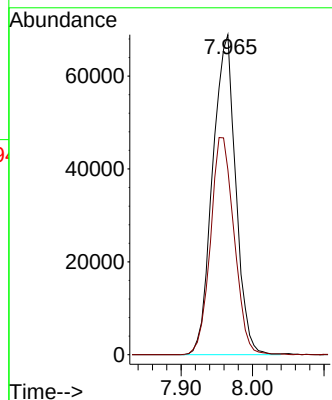
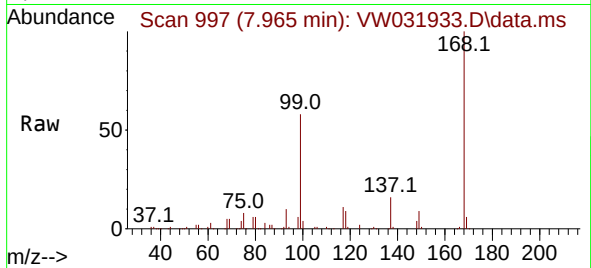




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

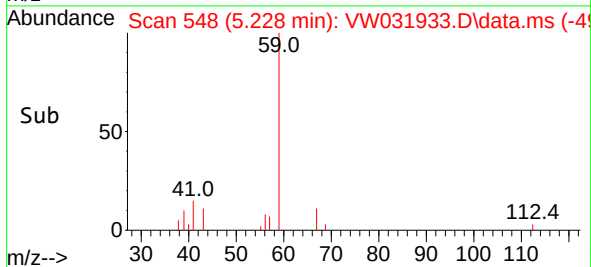
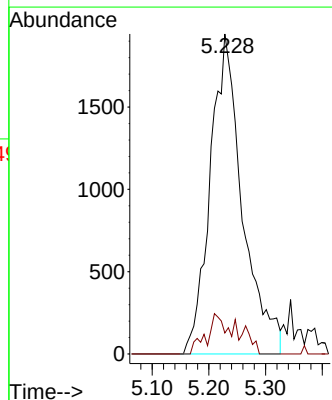
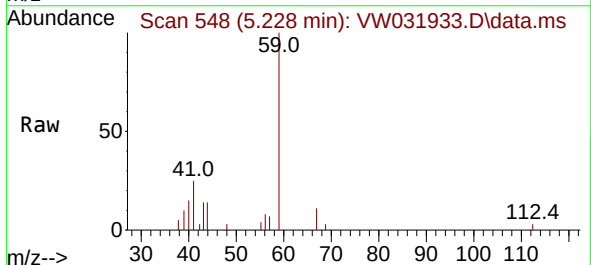
Instrument :
MSVOA_W
ClientSampleId :
295RE

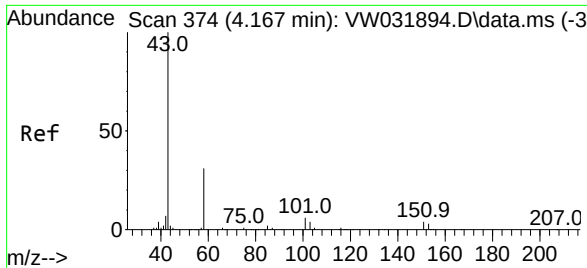
Tgt Ion:168 Resp: 154586
Ion Ratio Lower Upper
168 100
99 57.8 48.2 72.2



#11
Tert butyl alcohol
Concen: 55.791 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

Tgt Ion: 59 Resp: 7669
Ion Ratio Lower Upper
59 100
57 4.1 8.6 12.8#

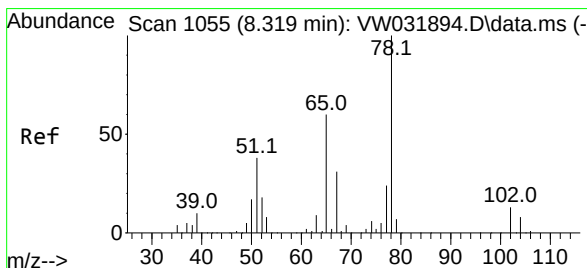
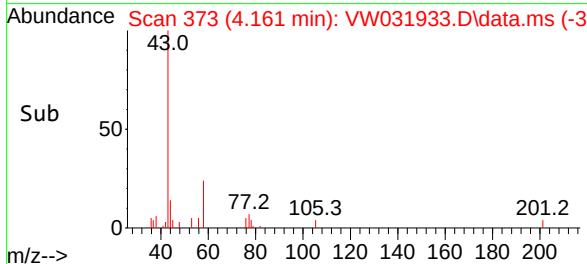
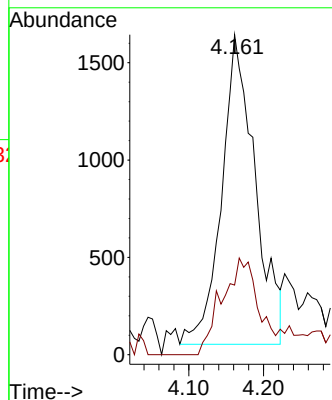
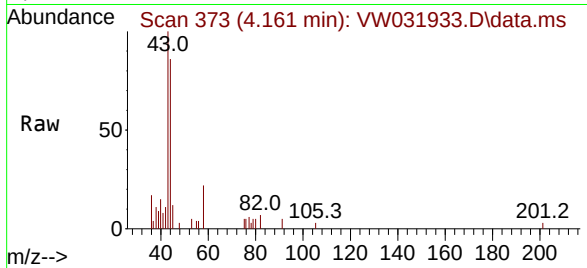




#16
Acetone
Concen: 8.928 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

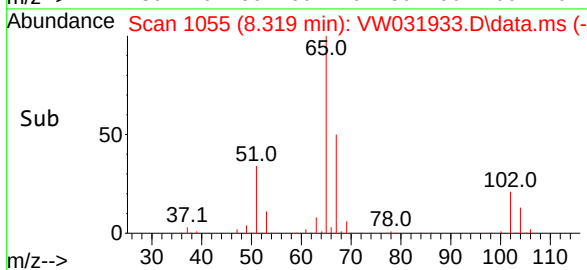
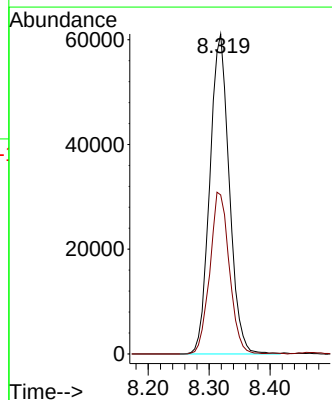
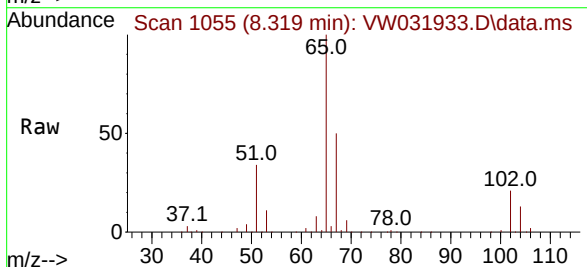
Instrument :
MSVOA_W
ClientSampleId :
295RE

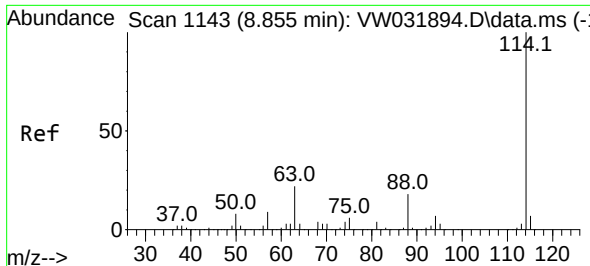
Tgt Ion: 43 Resp: 4954
Ion Ratio Lower Upper
43 100
58 22.5 25.5 38.3#



#33
1,2-Dichloroethane-d4
Concen: 57.777 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

Tgt Ion: 65 Resp: 135112
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.4

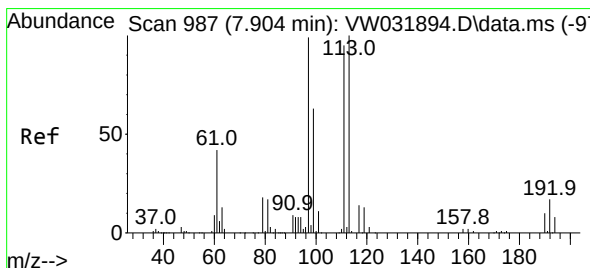
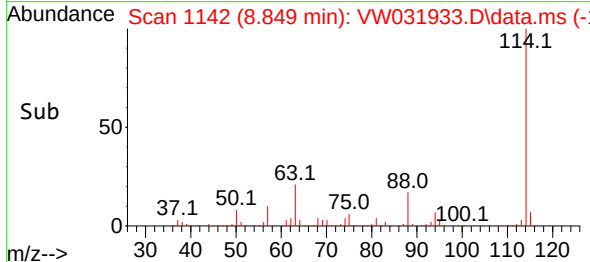
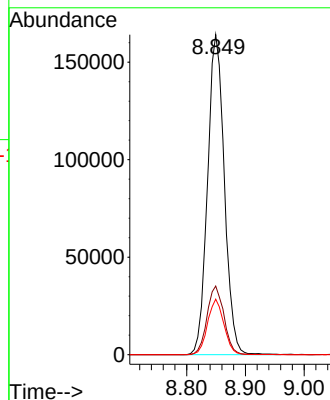
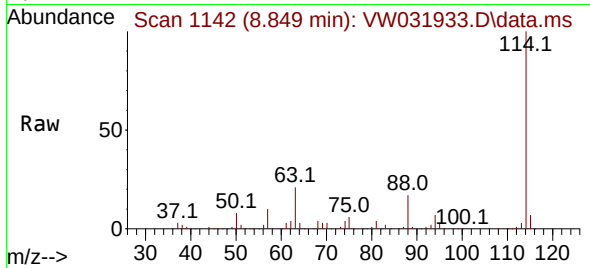




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

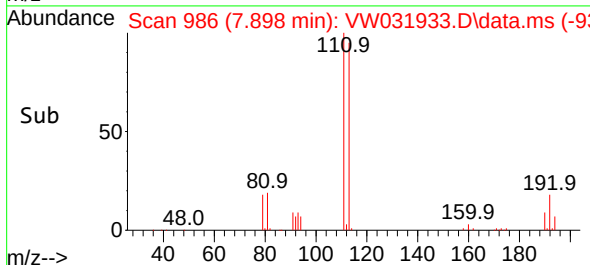
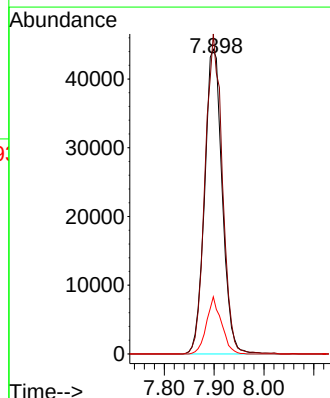
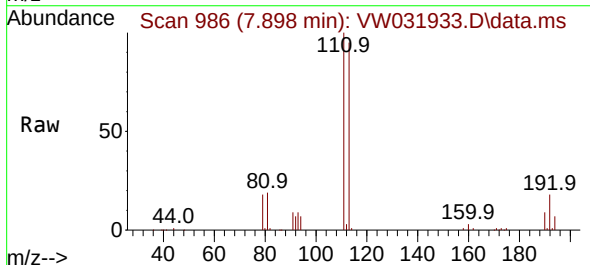
Instrument :
MSVOA_W
ClientSampleId :
295RE

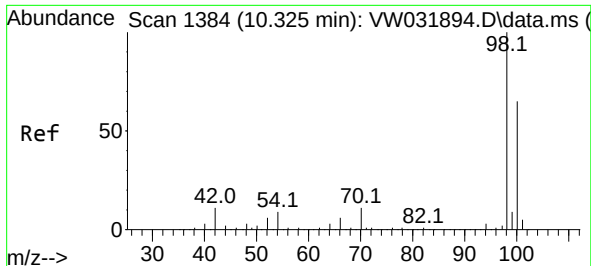
Tgt Ion:114 Resp: 326639
Ion Ratio Lower Upper
114 100
63 21.5 0.0 44.2
88 17.3 0.0 35.6



#35
Dibromofluoromethane
Concen: 48.935 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

Tgt Ion:113 Resp: 108615
Ion Ratio Lower Upper
113 100
111 103.2 79.9 119.9
192 16.0 12.6 19.0

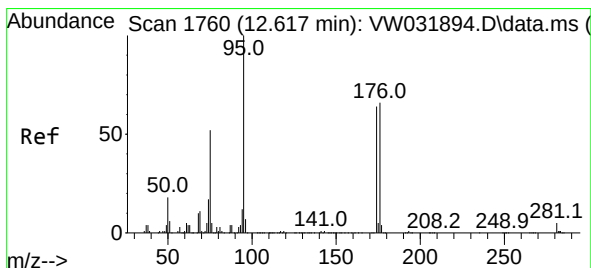
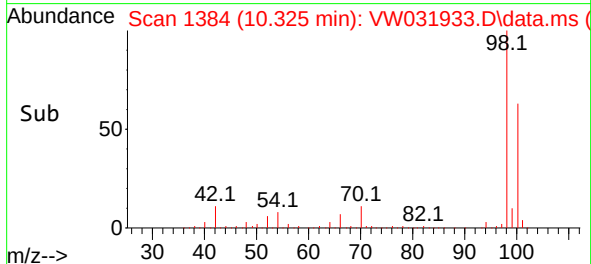
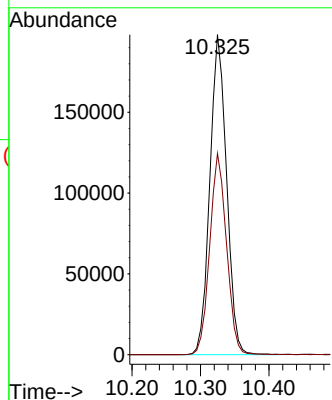
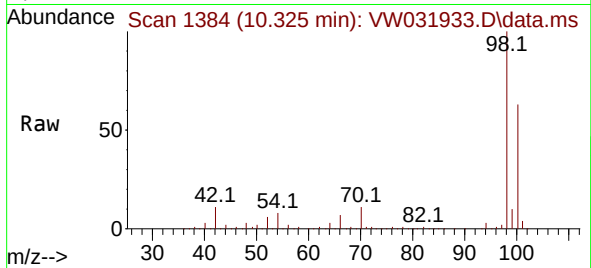




#50
Toluene-d8
Concen: 39.986 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

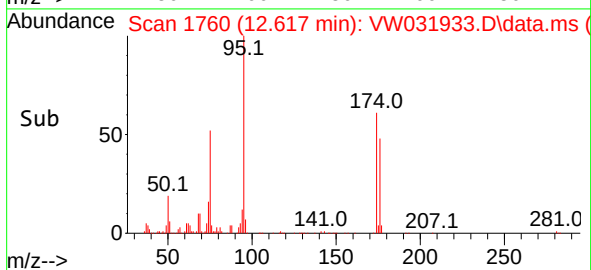
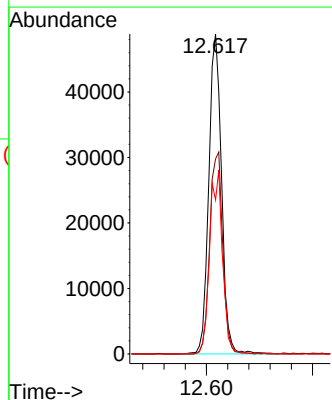
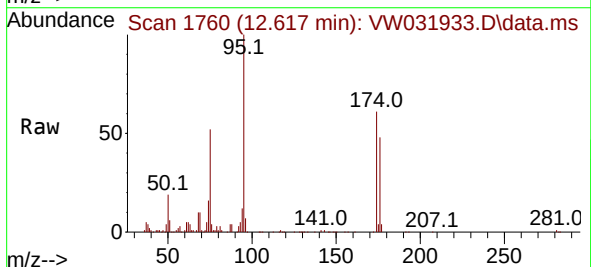
Instrument :
MSVOA_W
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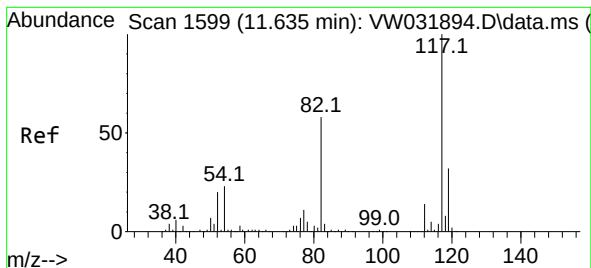
Tgt Ion: 98 Resp: 335895
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 25.258 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031933.D
Acq: 25 Jul 2025 12:12

Tgt Ion: 95 Resp: 81470
Ion Ratio Lower Upper
95 100
174 64.1 0.0 129.8
176 57.7 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: VW031933.D

Acq: 25 Jul 2025 12:12

Instrument :

MSVOA_W

ClientSampleId :

295RE

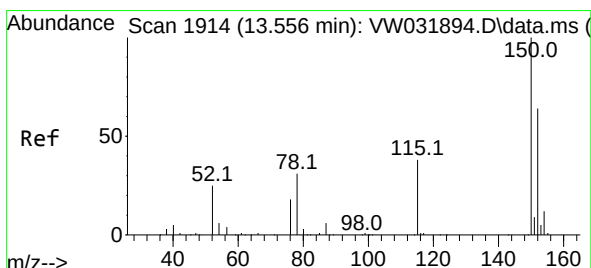
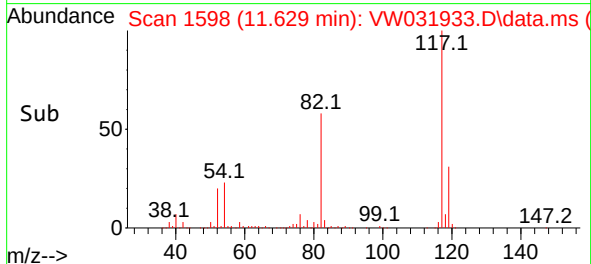
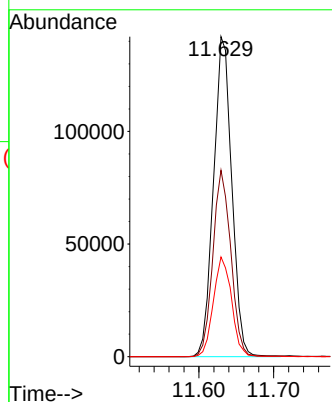
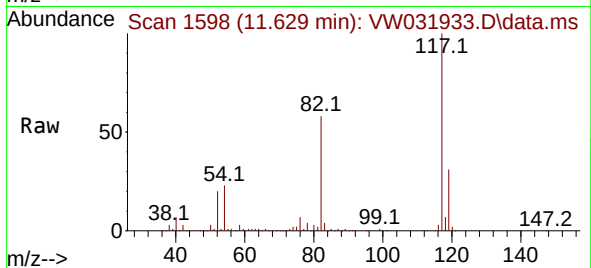
Tgt Ion:117 Resp: 241454

Ion Ratio Lower Upper

117 100

82 58.2 46.5 69.7

119 31.2 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: VW031933.D

Acq: 25 Jul 2025 12:12

Tgt Ion:152 Resp: 59137

Ion Ratio Lower Upper

152 100

115 67.2 33.4 100.1

150 160.2 0.0 352.2

