

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031830.D
 Acq On : 11 Jul 2025 19:06
 Operator : SY/MD
 Sample : Q2571-07
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-17-VOC

Quant Time: Jul 11 22:53:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	200466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	417574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	397747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	185577	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	139668	48.548	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.100%
35) Dibromofluoromethane	7.904	113	118039	43.319	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	86.640%
50) Toluene-d8	10.330	98	447450	44.126	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.260%
62) 4-Bromofluorobenzene	12.617	95	186070	49.863	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.720%

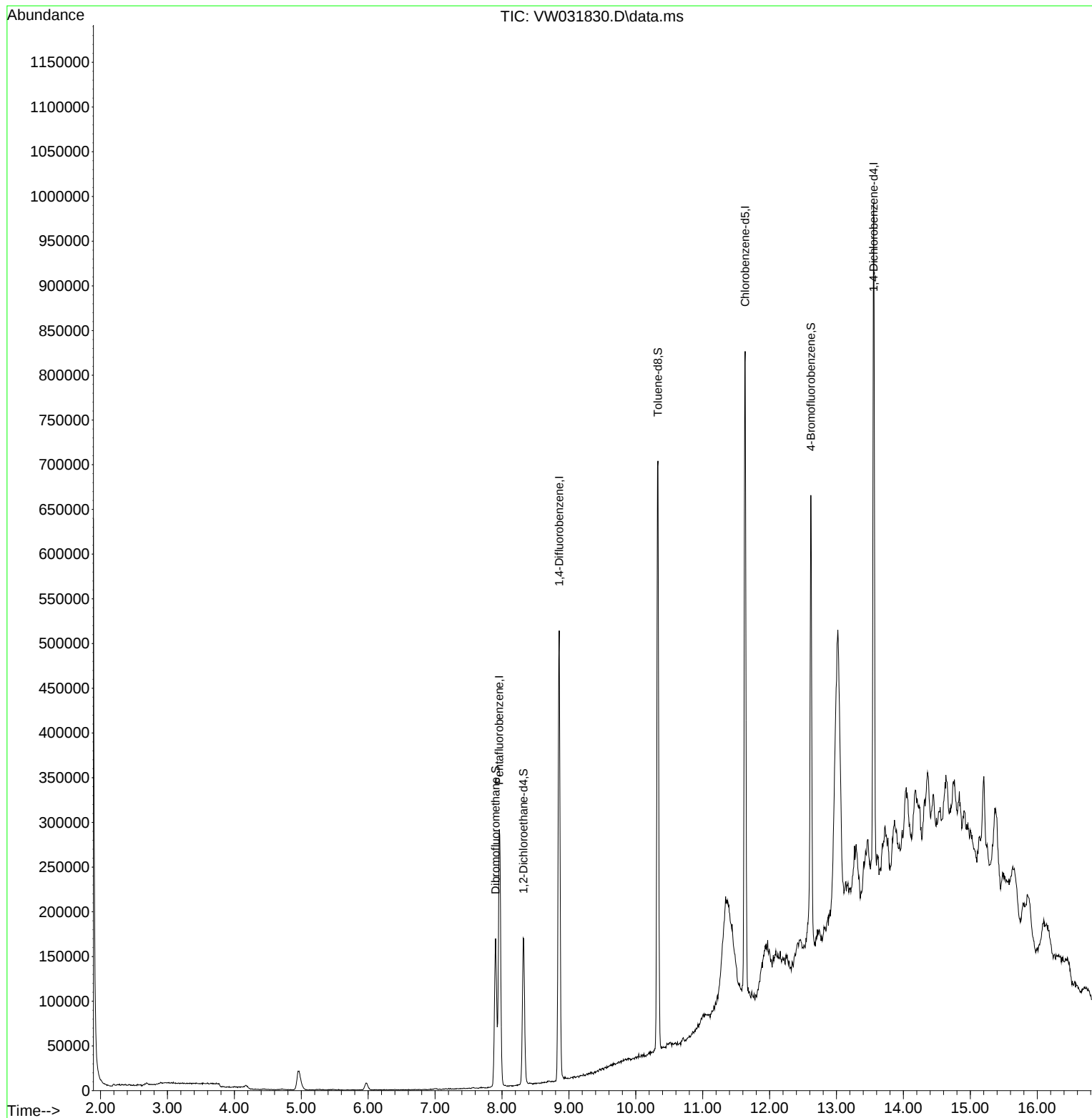
Target Compounds	Qvalue

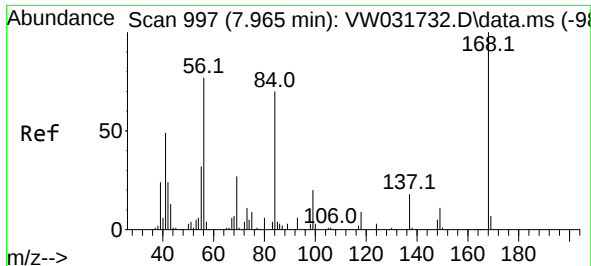
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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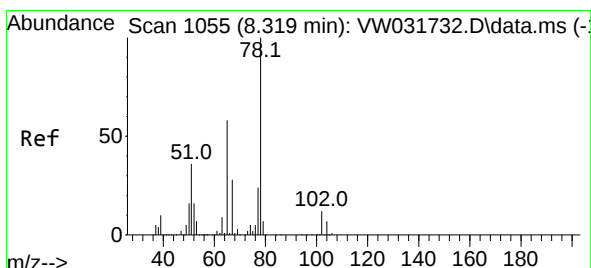
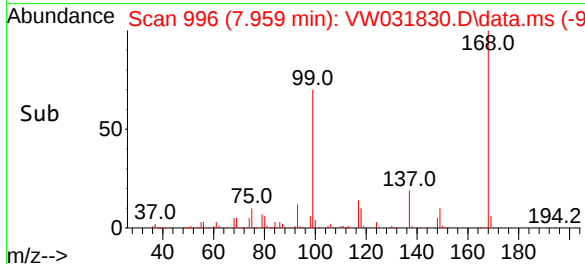
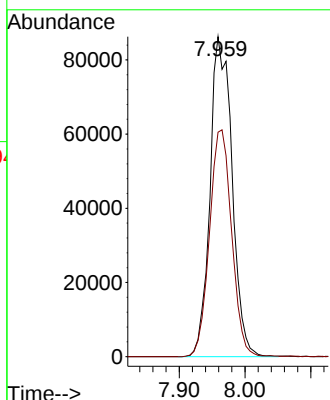
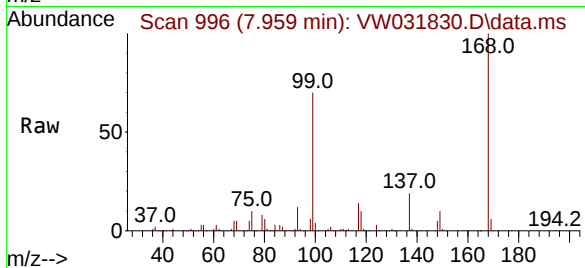




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031830.D
Acq: 11 Jul 2025 19:06

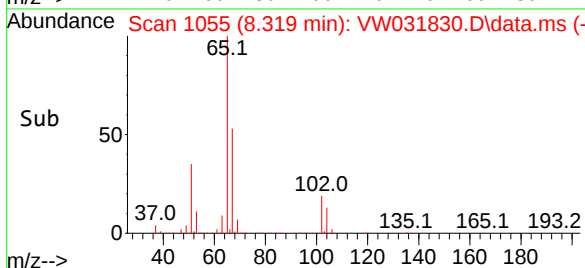
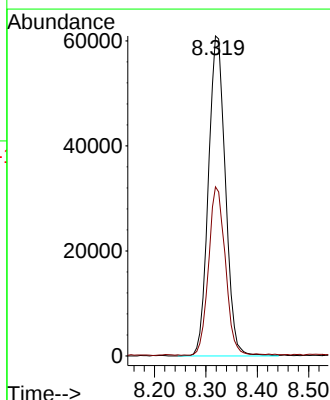
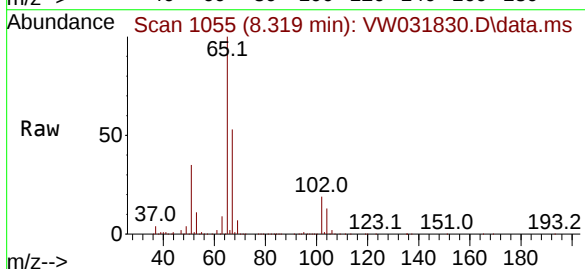
Instrument :
MSVOA_W
ClientSampleId :
TP-17-VOC

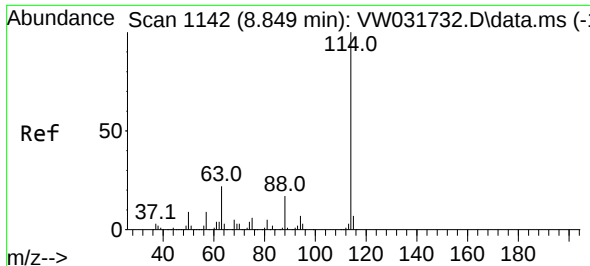
Tgt Ion:168 Resp: 200466
Ion Ratio Lower Upper
168 100
99 70.1 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 48.548 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031830.D
Acq: 11 Jul 2025 19:06

Tgt Ion: 65 Resp: 139668
Ion Ratio Lower Upper
65 100
67 51.8 0.0 99.4

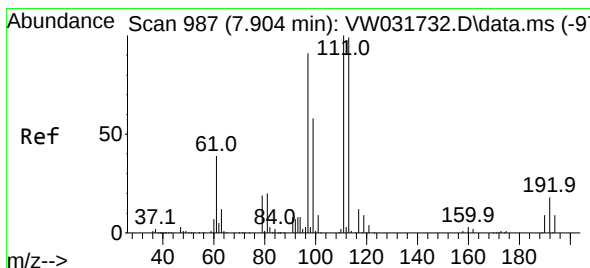
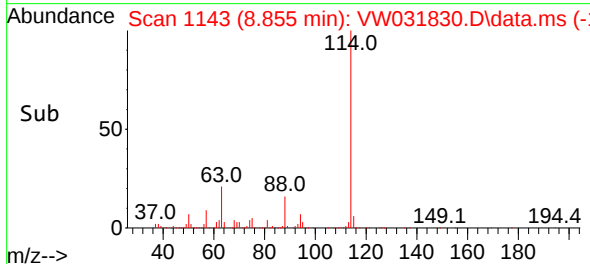
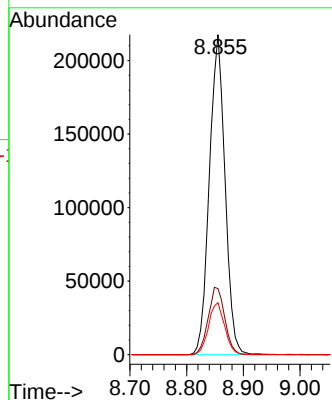
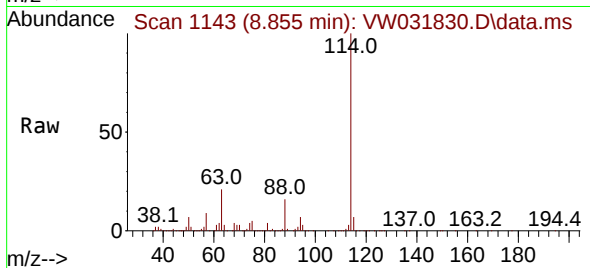




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031830.D
Acq: 11 Jul 2025 19:06

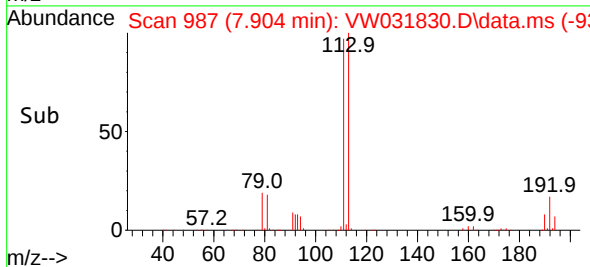
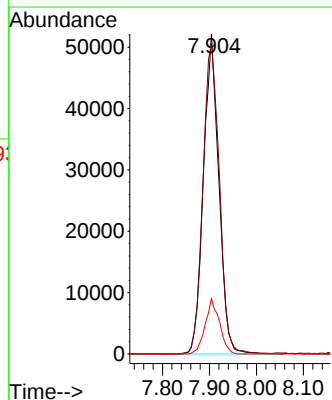
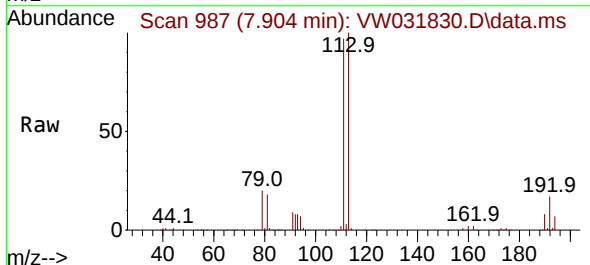
Instrument :
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TP-17-VOC

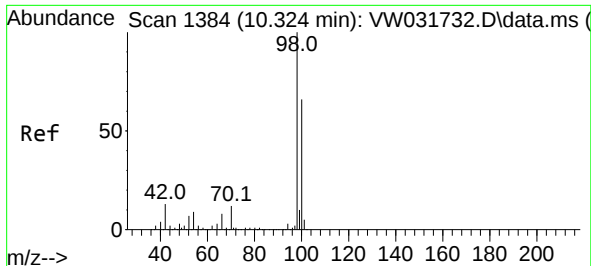
Tgt Ion:114 Resp: 417574
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.6
88 16.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 43.319 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031830.D
Acq: 11 Jul 2025 19:06

Tgt Ion:113 Resp: 118039
Ion Ratio Lower Upper
113 100
111 104.1 82.1 123.1
192 16.1 13.8 20.6

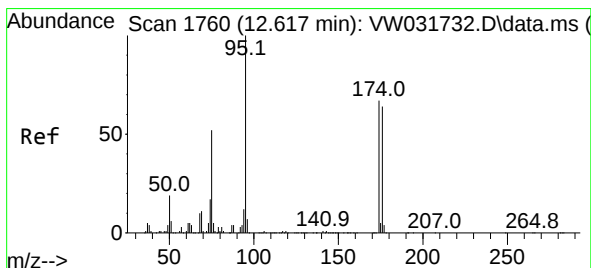
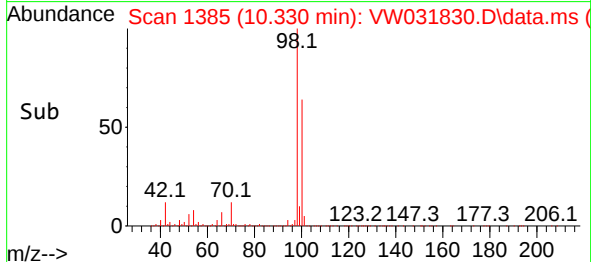
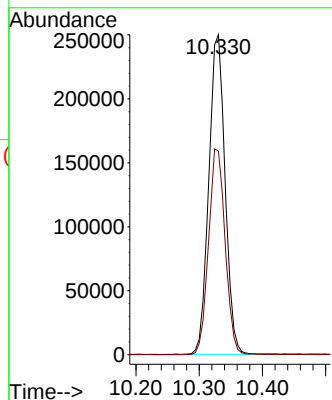
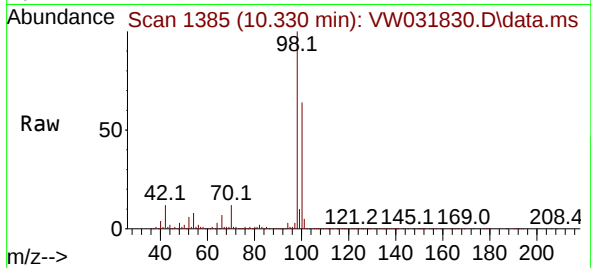




#50
Toluene-d8
Concen: 44.126 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031830.D
Acq: 11 Jul 2025 19:06

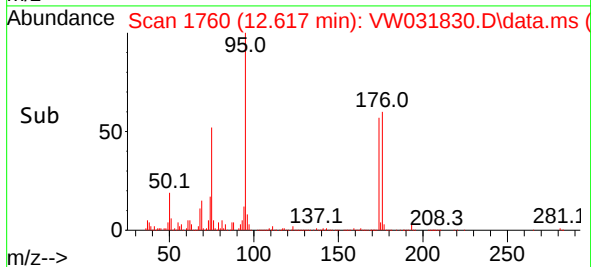
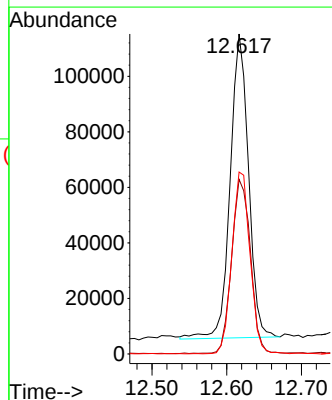
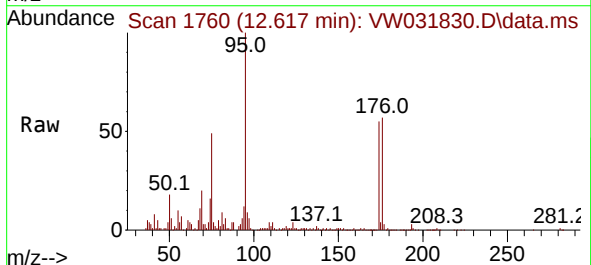
Instrument :
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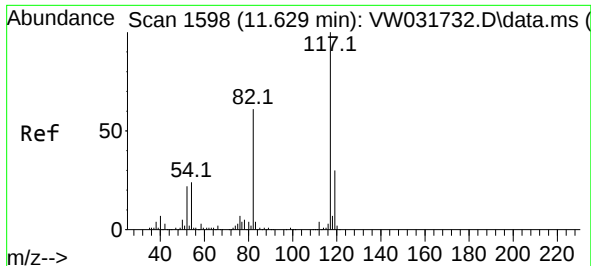
Tgt Ion: 98 Resp: 447450
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.863 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031830.D
Acq: 11 Jul 2025 19:06

Tgt Ion: 95 Resp: 186070
Ion Ratio Lower Upper
95 100
174 58.7 0.0 133.8
176 59.2 0.0 126.0

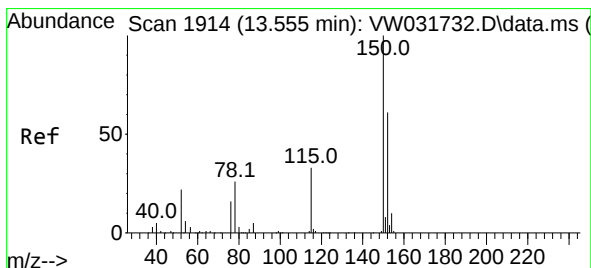
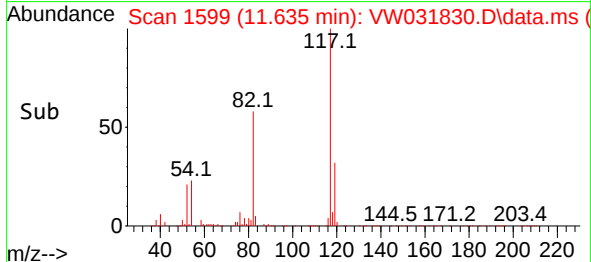
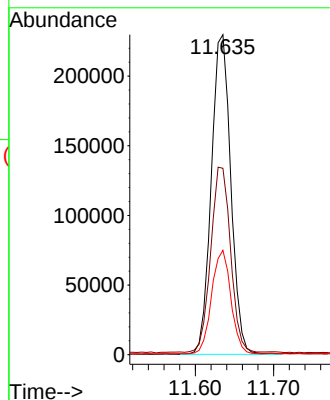
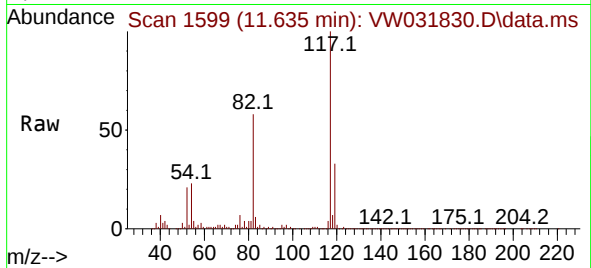




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031830.D
Acq: 11 Jul 2025 19:06

Instrument :
MSVOA_W
ClientSampleId :
TP-17-VOC

Tgt Ion:117 Resp: 397747
Ion Ratio Lower Upper
117 100
82 57.5 48.6 72.8
119 32.3 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031830.D
Acq: 11 Jul 2025 19:06

Tgt Ion:152 Resp: 185577
Ion Ratio Lower Upper
152 100
115 69.0 31.9 95.7
150 159.7 0.0 356.4

