

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031827.D
 Acq On : 11 Jul 2025 18:00
 Operator : SY/MD
 Sample : Q2564-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0013

Quant Time: Jul 11 22:52:14 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	7.965	168	163255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	353489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	334721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	150714	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133263	56.880	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	113.760%
35) Dibromofluoromethane	7.904	113	112822	48.911	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.820%
50) Toluene-d8	10.331	98	388743	45.287	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.580%
62) 4-Bromofluorobenzene	12.617	95	148421	46.984	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.960%

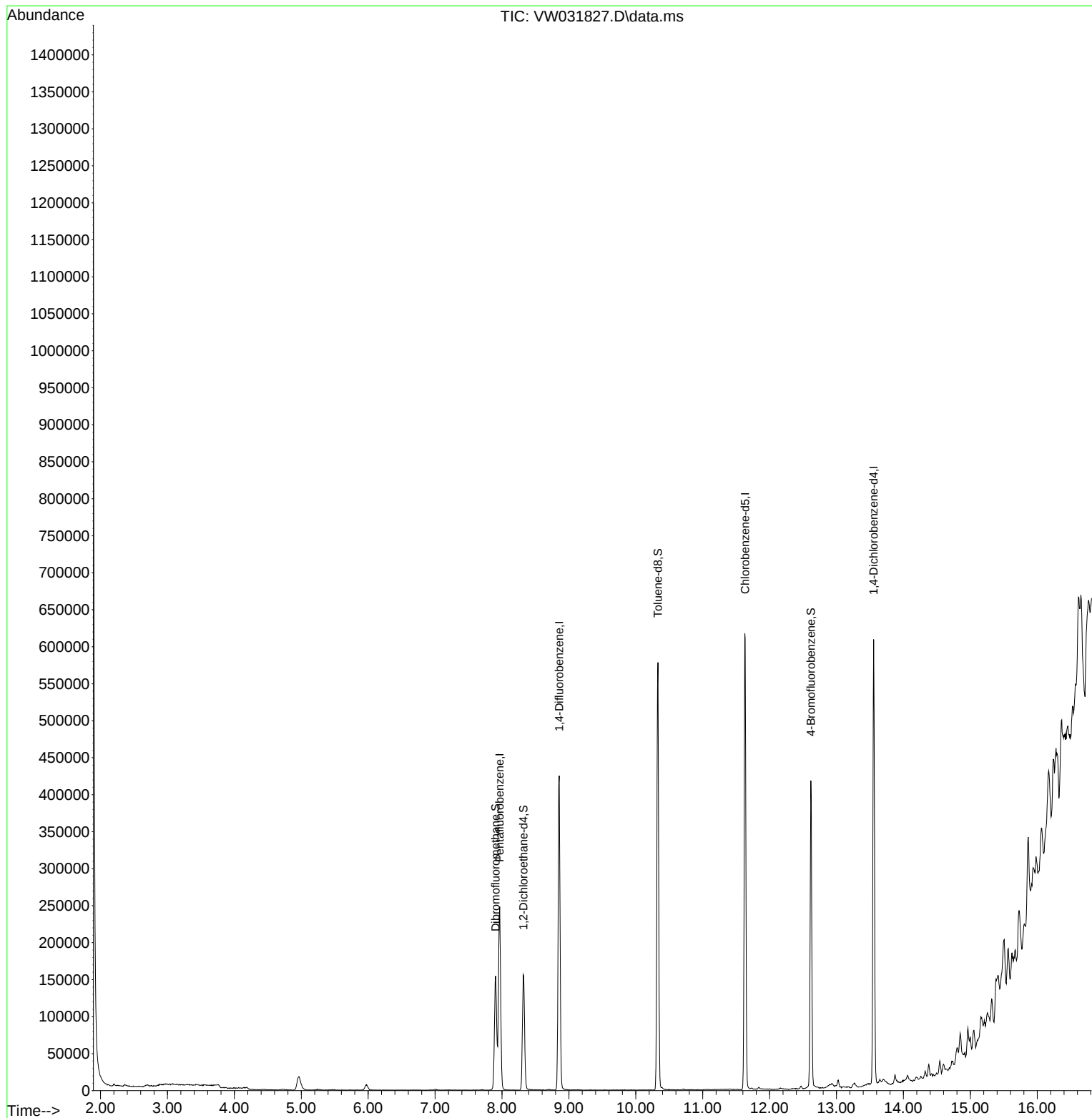
Target Compounds	Qvalue

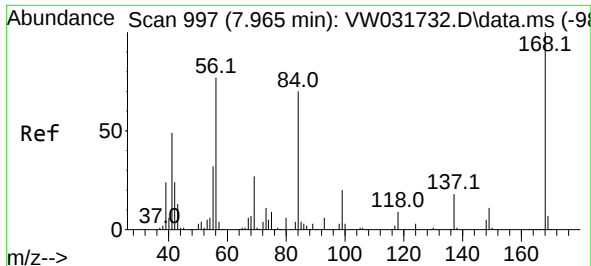
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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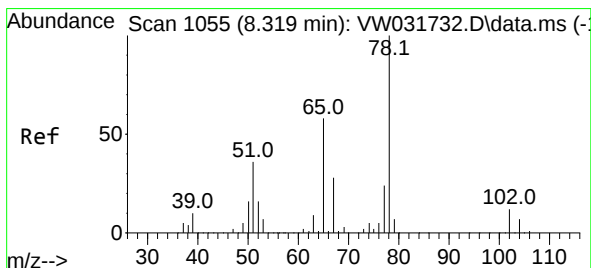
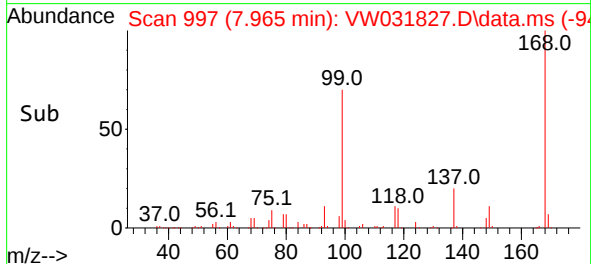
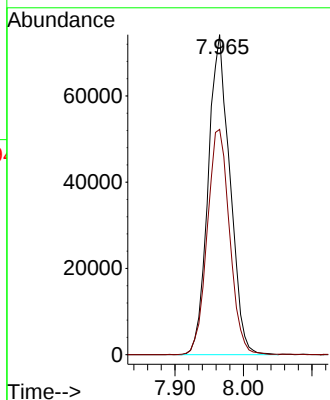
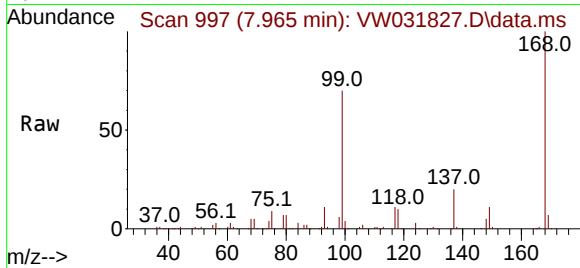




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031827.D
Acq: 11 Jul 2025 18:00

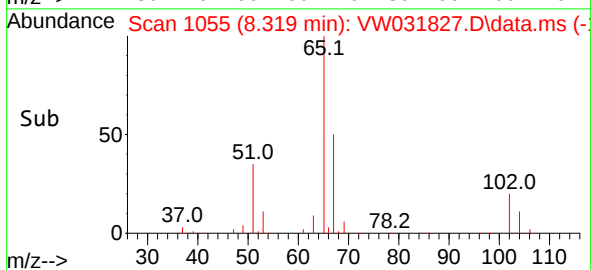
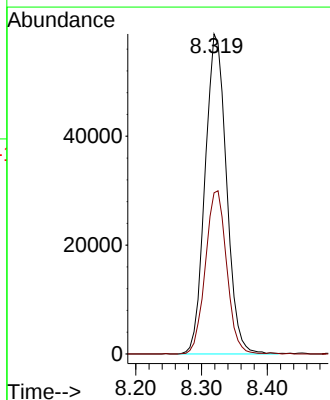
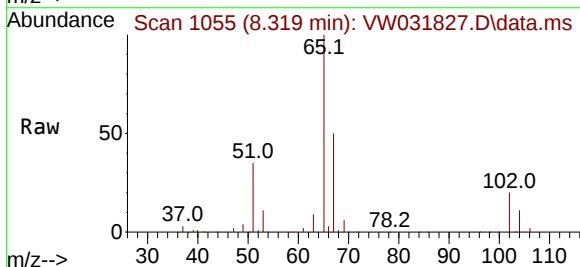
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0013

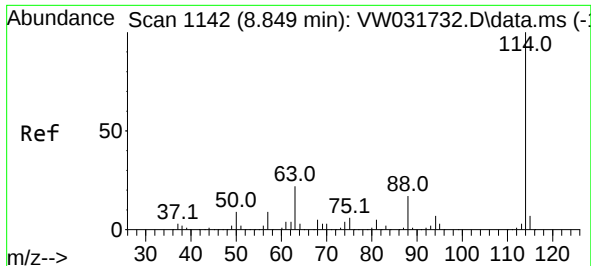
Tgt Ion:168 Resp: 163255
Ion Ratio Lower Upper
168 100
99 70.3 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 56.880 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031827.D
Acq: 11 Jul 2025 18:00

Tgt Ion: 65 Resp: 133263
Ion Ratio Lower Upper
65 100
67 50.6 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: VW031827.D

Acq: 11 Jul 2025 18:00

Instrument :

MSVOA_W

ClientSampleId :

ARS20-0013

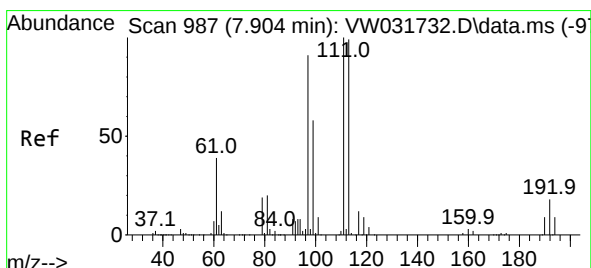
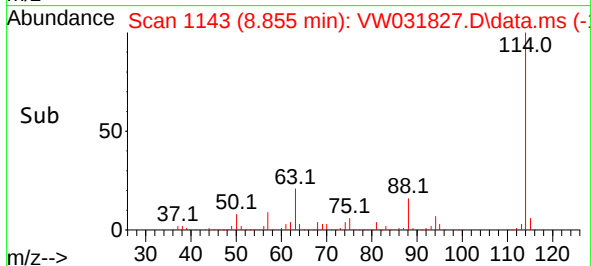
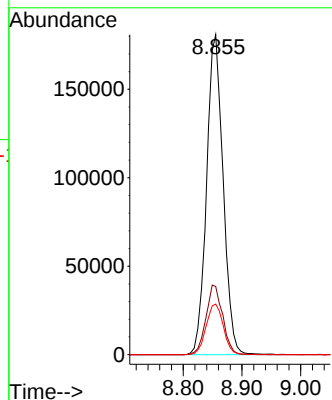
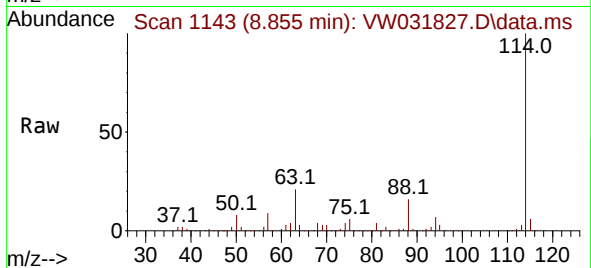
Tgt Ion:114 Resp: 353489

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.6

88 15.8 0.0 34.2



#35

Dibromofluoromethane

Concen: 48.911 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031827.D

Acq: 11 Jul 2025 18:00

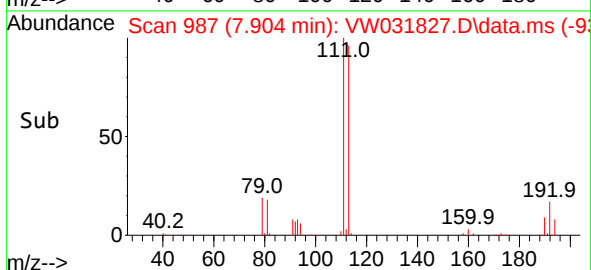
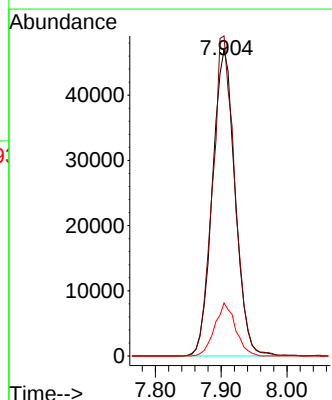
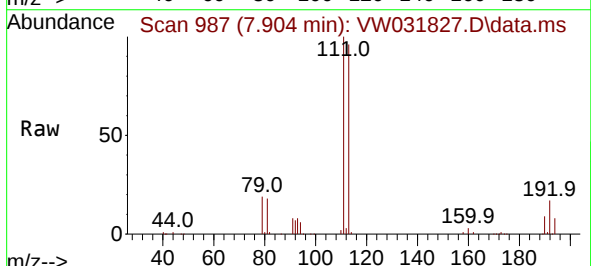
Tgt Ion:113 Resp: 112822

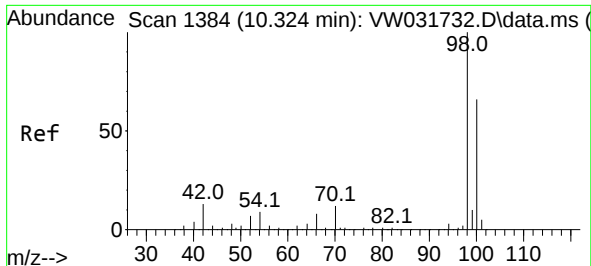
Ion Ratio Lower Upper

113 100

111 102.0 82.1 123.1

192 15.9 13.8 20.6

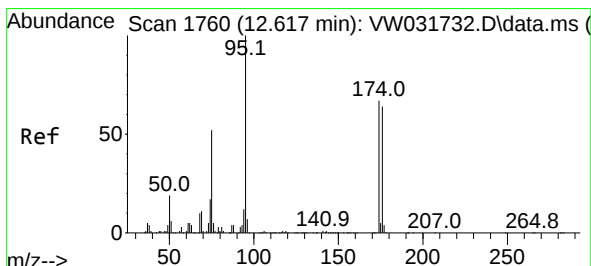
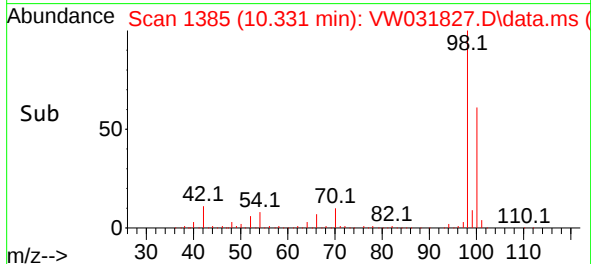
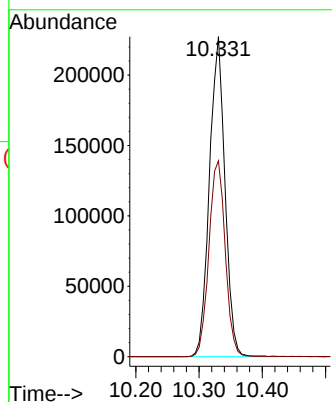
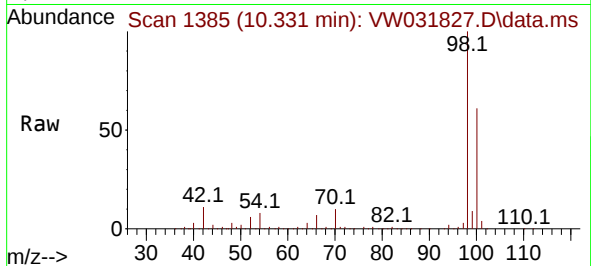




#50
Toluene-d8
Concen: 45.287 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031827.D
Acq: 11 Jul 2025 18:00

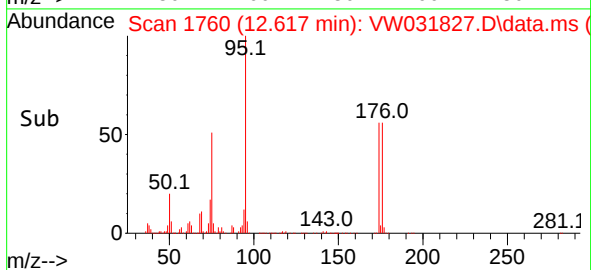
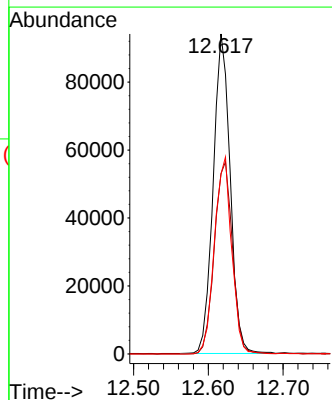
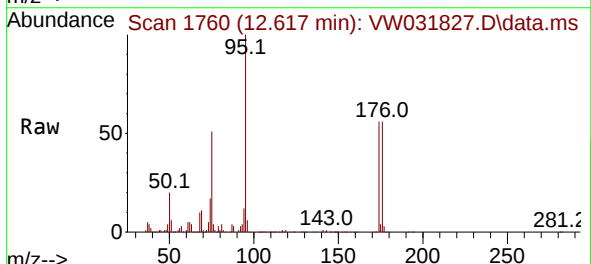
Instrument :
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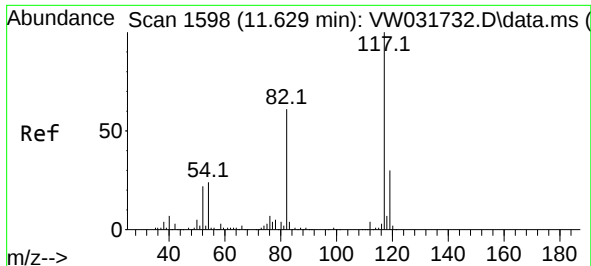
Tgt Ion: 98 Resp: 388743
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.984 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031827.D
Acq: 11 Jul 2025 18:00

Tgt Ion: 95 Resp: 148421
Ion Ratio Lower Upper
95 100
174 64.1 0.0 133.8
176 62.6 0.0 126.0

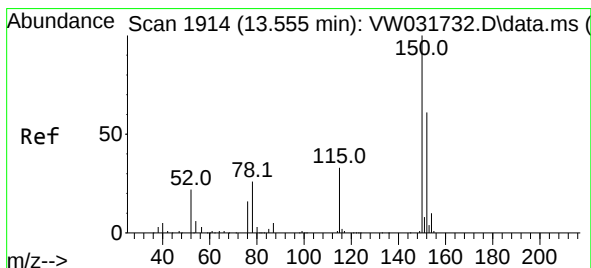
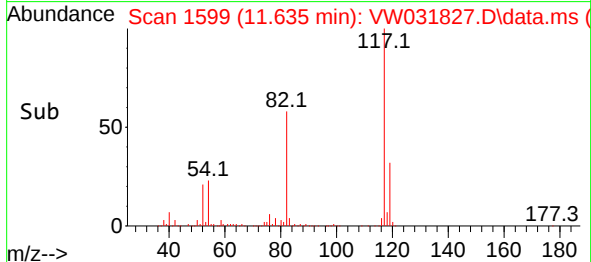
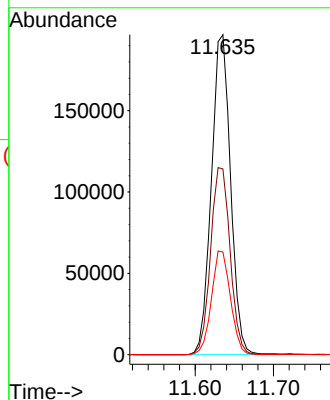
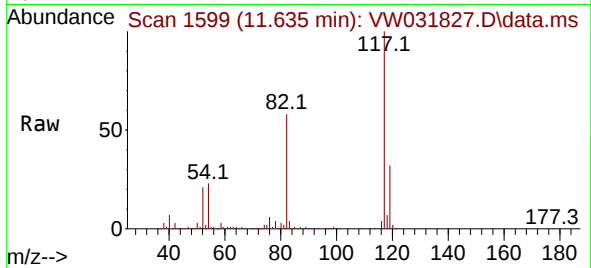




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031827.D
Acq: 11 Jul 2025 18:00

Instrument :
MSVOA_W
ClientSampleId :
ARS20-0013

Tgt Ion:117 Resp: 334721
Ion Ratio Lower Upper
117 100
82 58.1 48.6 72.8
119 32.1 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031827.D
Acq: 11 Jul 2025 18:00

Tgt Ion:152 Resp: 150714
Ion Ratio Lower Upper
152 100
115 64.8 31.9 95.7
150 155.6 0.0 356.4

