

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031829.D
 Acq On : 11 Jul 2025 18:44
 Operator : SY/MD
 Sample : Q2571-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-18 VOC

Quant Time: Jul 11 22:53:00 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	174680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	378020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	361438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165322	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135345	53.990	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	107.980%
35) Dibromofluoromethane	7.904	113	114419	46.385	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.760%
50) Toluene-d8	10.331	98	425565	46.359	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.720%
62) 4-Bromofluorobenzene	12.617	95	176960	52.384	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.760%

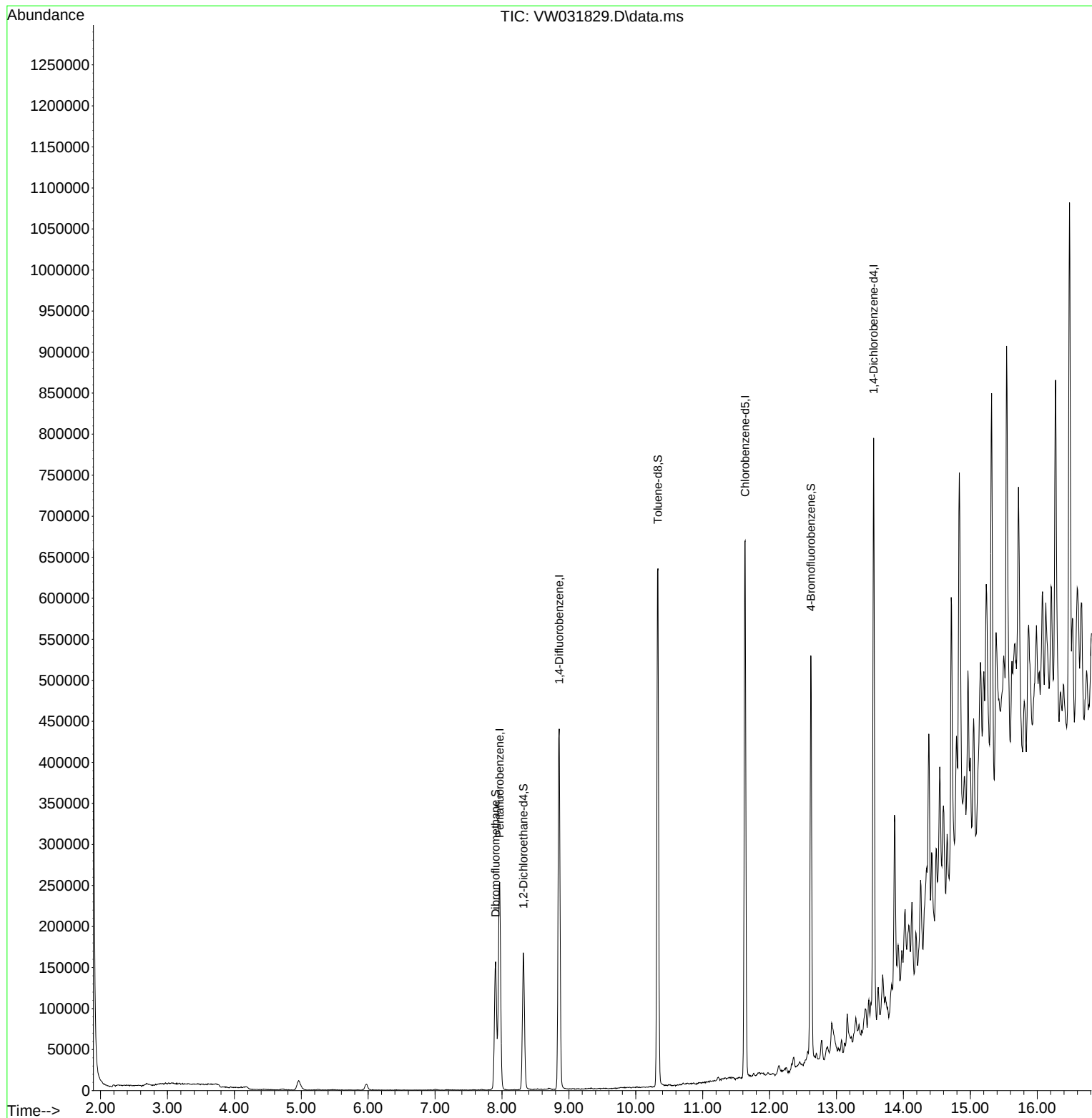
Target Compounds	Qvalue

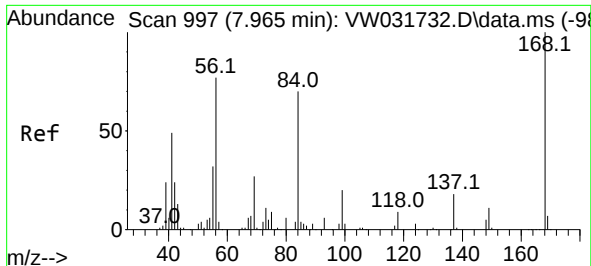
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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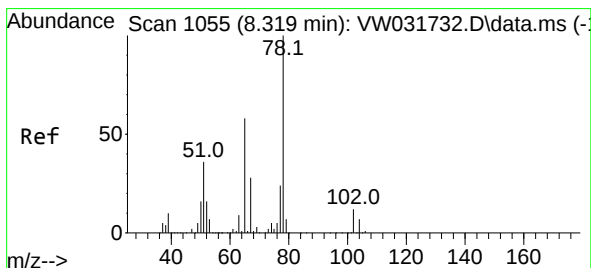
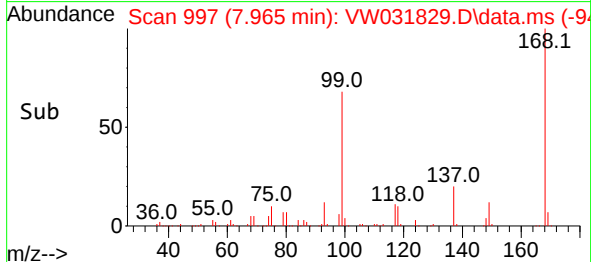
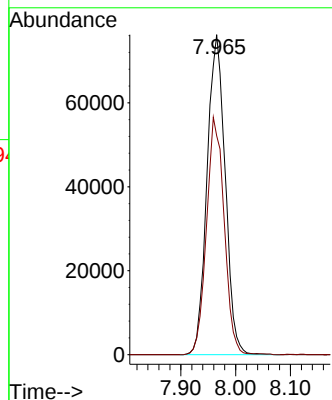
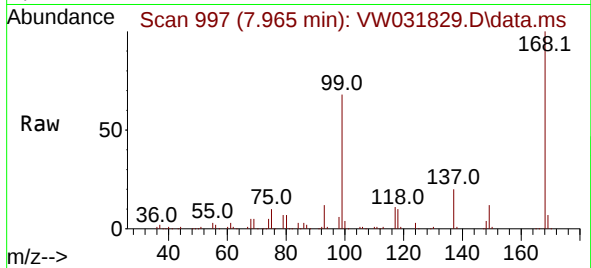




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031829.D
Acq: 11 Jul 2025 18:44

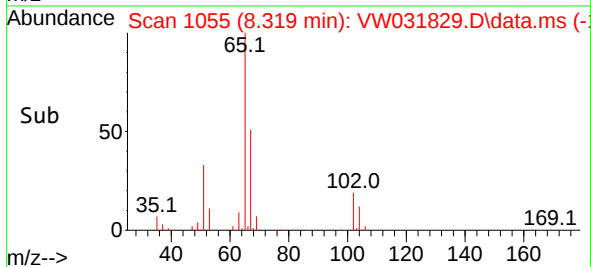
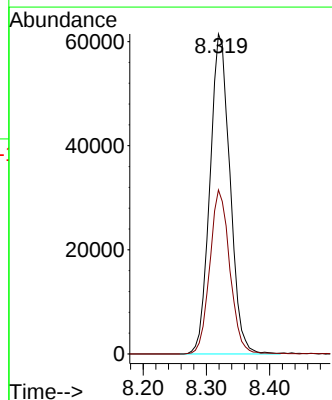
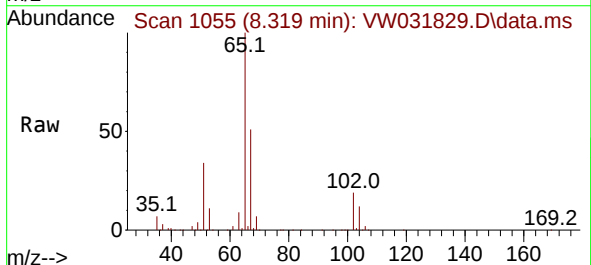
Instrument :
MSVOA_W
ClientSampleId :
TP-18 VOC

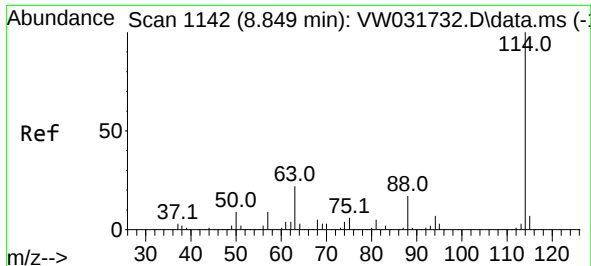
Tgt Ion:168 Resp: 174680
Ion Ratio Lower Upper
168 100
99 68.4 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 53.990 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031829.D
Acq: 11 Jul 2025 18:44

Tgt Ion: 65 Resp: 135345
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.4

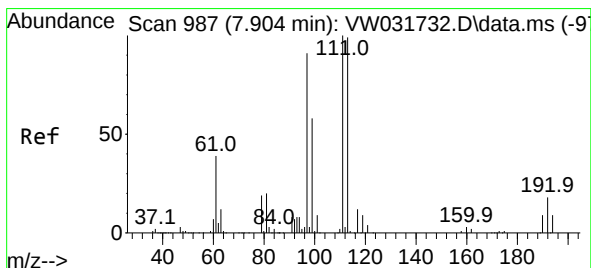
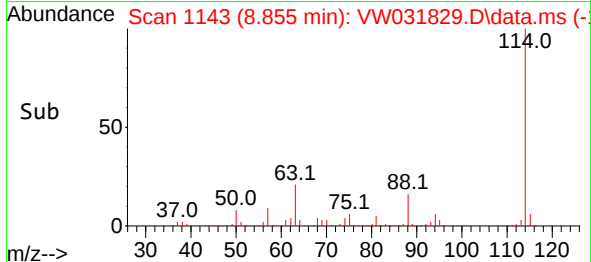
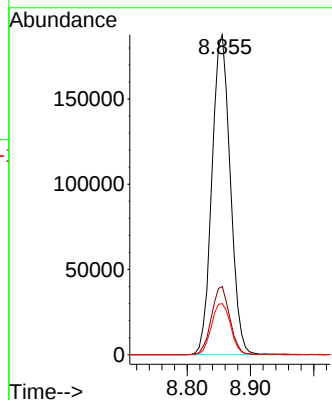
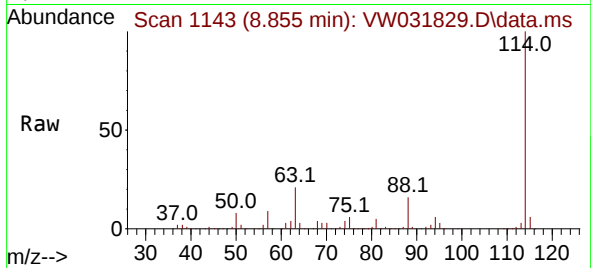




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031829.D
Acq: 11 Jul 2025 18:44

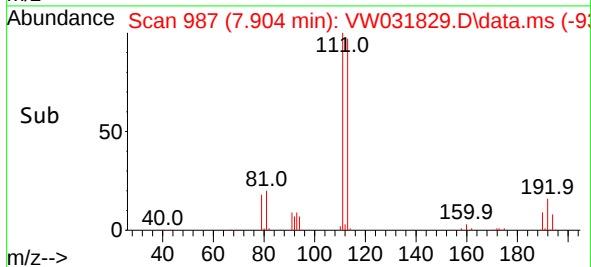
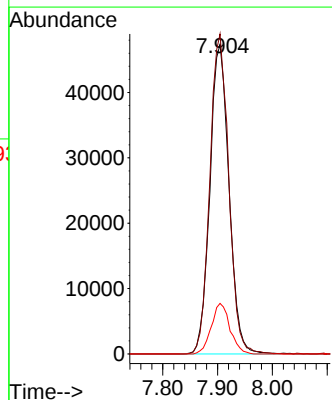
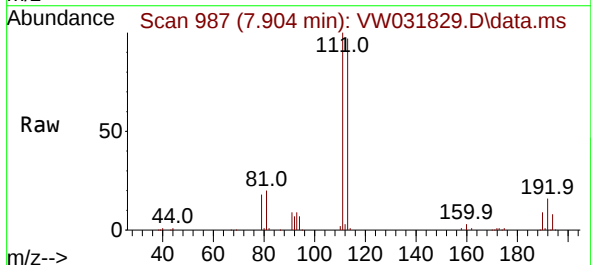
Instrument :
MSVOA_W
ClientSampleId :
TP-18 VOC

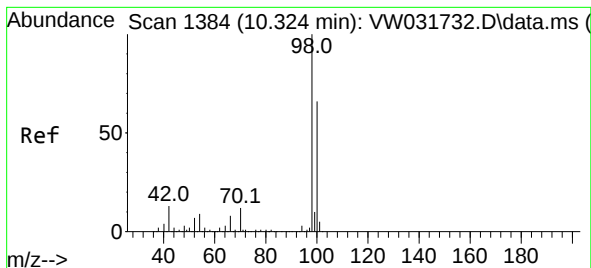
Tgt Ion:114 Resp: 378020
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.6
88 16.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 46.385 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031829.D
Acq: 11 Jul 2025 18:44

Tgt Ion:113 Resp: 114419
Ion Ratio Lower Upper
113 100
111 102.2 82.1 123.1
192 15.9 13.8 20.6





#50

Toluene-d8

Concen: 46.359 ug/l

RT: 10.331 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW031829.D

Acq: 11 Jul 2025 18:44

Instrument :

MSVOA_W

ClientSampleId :

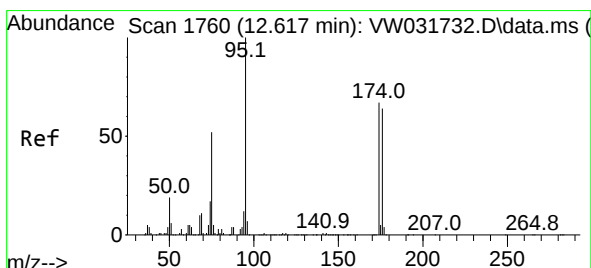
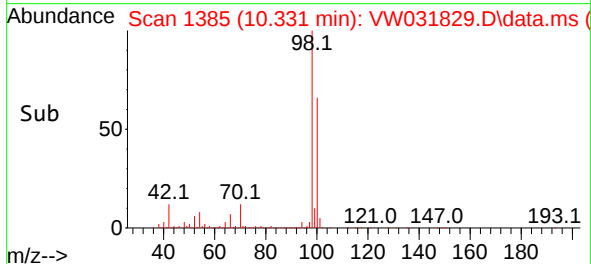
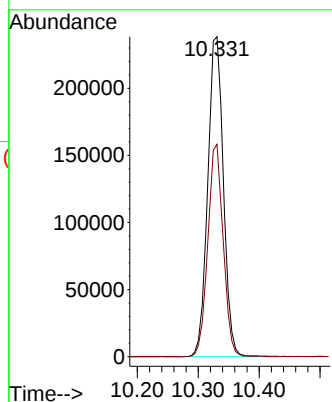
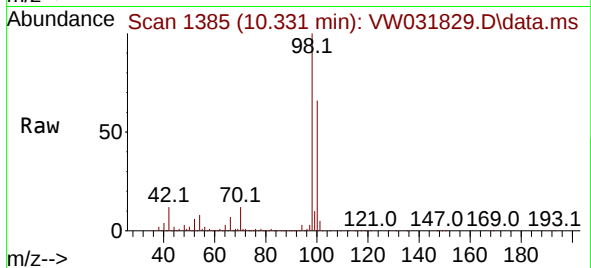
TP-18 VOC

Tgt Ion: 98 Resp: 425565

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 52.384 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW031829.D

Acq: 11 Jul 2025 18:44

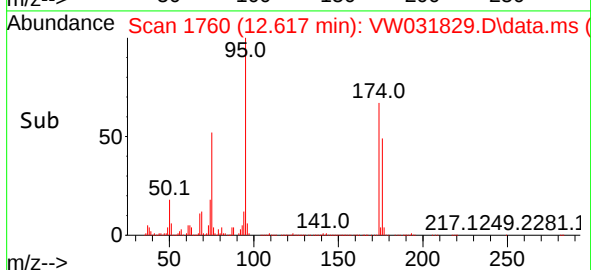
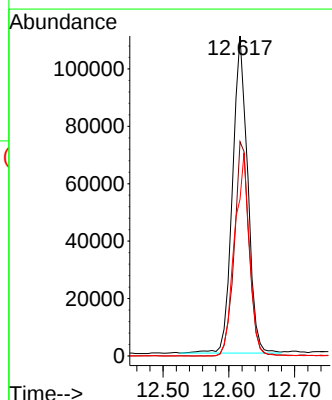
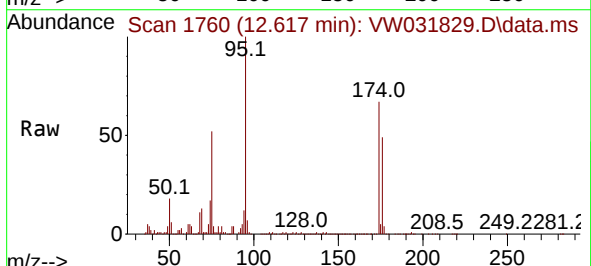
Tgt Ion: 95 Resp: 176960

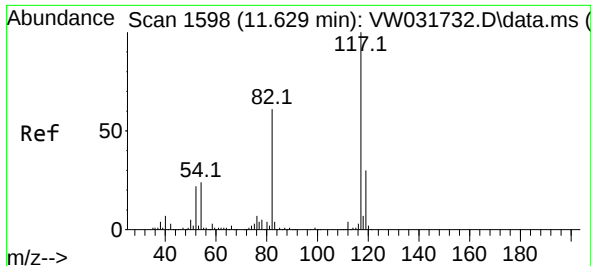
Ion Ratio Lower Upper

95 100

174 65.6 0.0 133.8

176 63.1 0.0 126.0

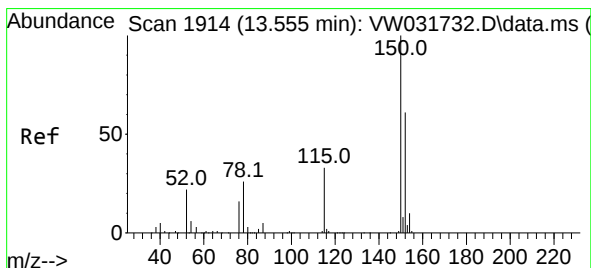
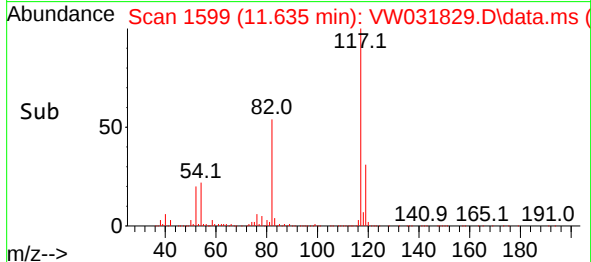
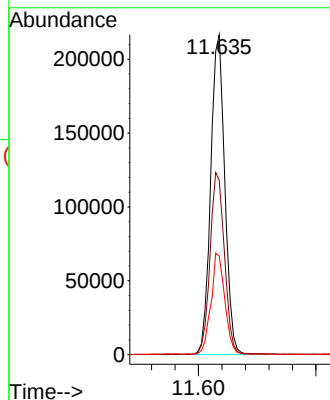
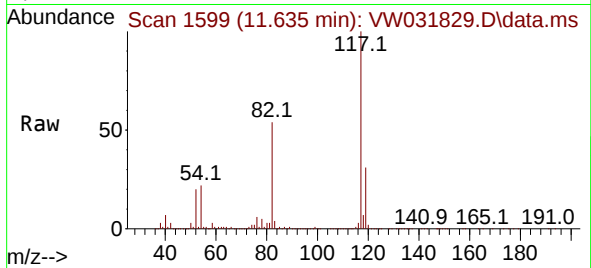




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031829.D
Acq: 11 Jul 2025 18:44

Instrument :
MSVOA_W
ClientSampleId :
TP-18 VOC

Tgt Ion:117 Resp: 361438
Ion Ratio Lower Upper
117 100
82 54.4 48.6 72.8
119 30.7 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: VW031829.D
Acq: 11 Jul 2025 18:44

Tgt Ion:152 Resp: 165322
Ion Ratio Lower Upper
152 100
115 68.9 31.9 95.7
150 168.2 0.0 356.4

