

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032075.D
 Acq On : 11 Aug 2025 18:25
 Operator : SY/MD
 Sample : Q2819-05
 Misc : 6.21g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 11M-W

Quant Time: Aug 12 04:29:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	160482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	347658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	344119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	158417	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	137449	59.219	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	118.440%
35) Dibromofluoromethane	7.904	113	121861	54.257	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	108.520%
50) Toluene-d8	10.331	98	438005	52.725	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.460%
62) 4-Bromofluorobenzene	12.617	95	175755	57.411	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	114.820%

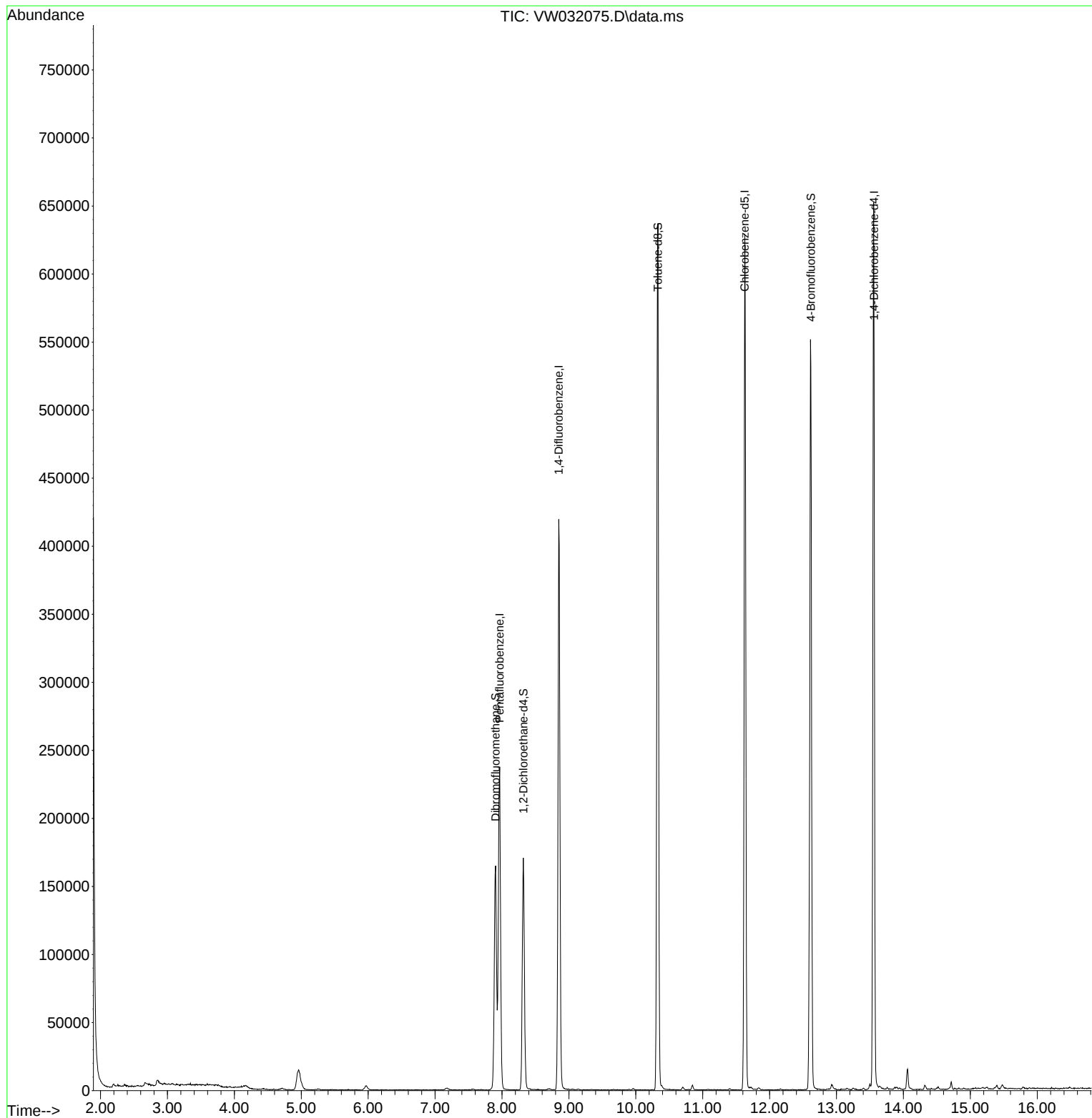
Target Compounds	Qvalue

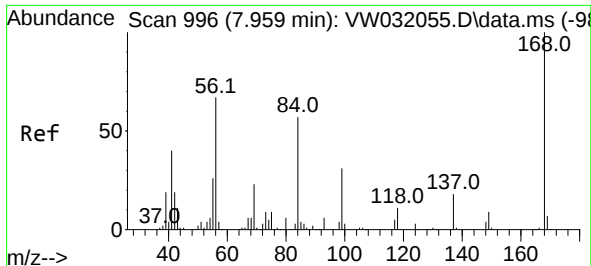
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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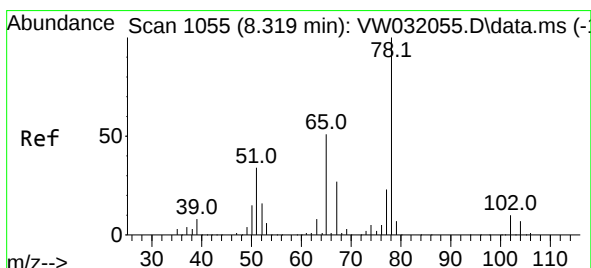
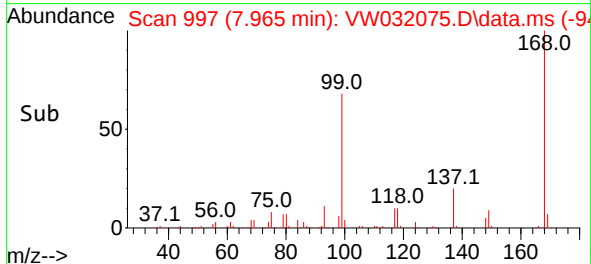
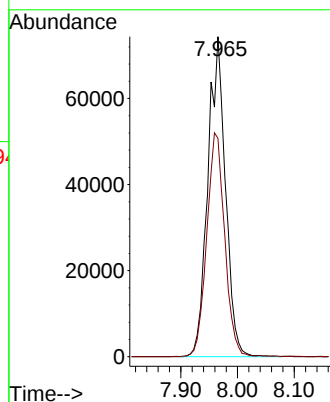
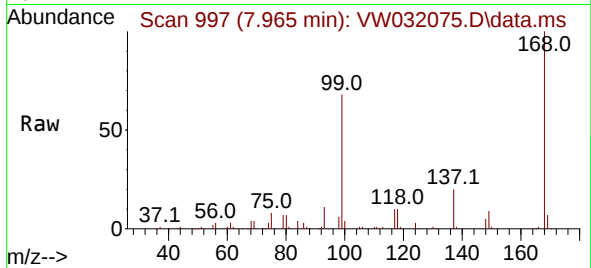




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

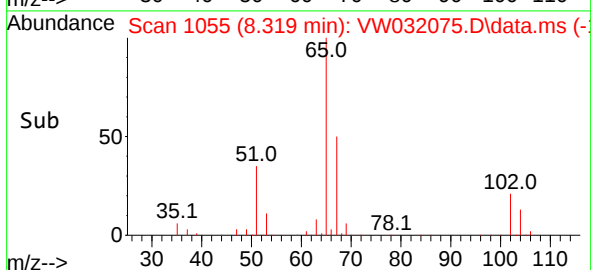
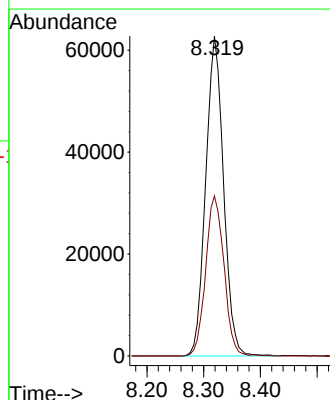
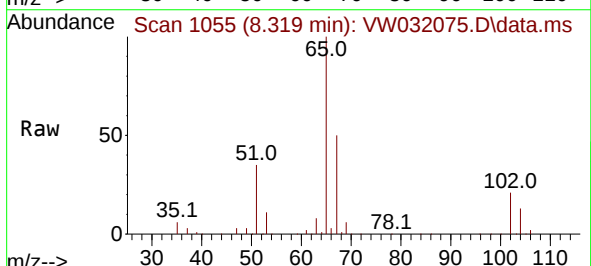
Instrument :
MSVOA_W
ClientSampleId :
11M-W

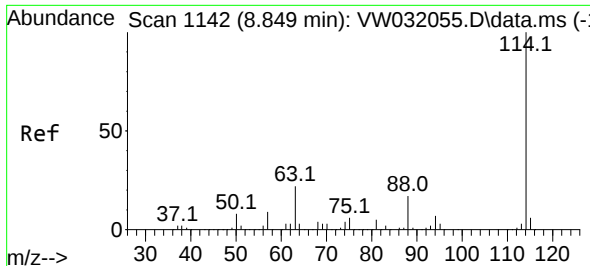
Tgt Ion:168 Resp: 160482
Ion Ratio Lower Upper
168 100
99 68.2 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 59.219 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Tgt Ion: 65 Resp: 137449
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032075.D

Acq: 11 Aug 2025 18:25

Instrument :

MSVOA_W

ClientSampleId :

11M-W

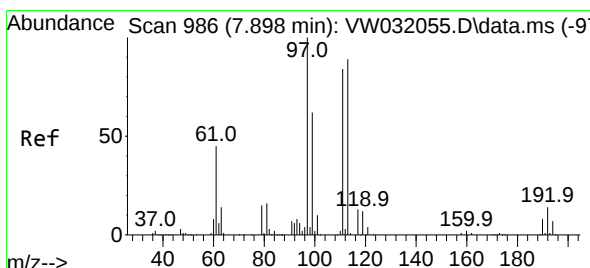
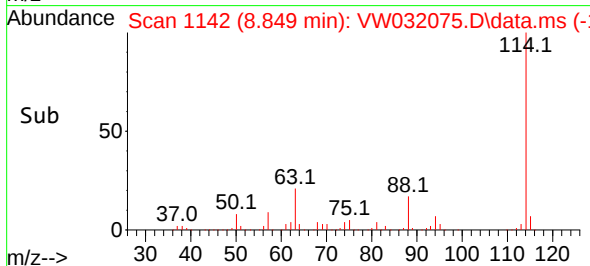
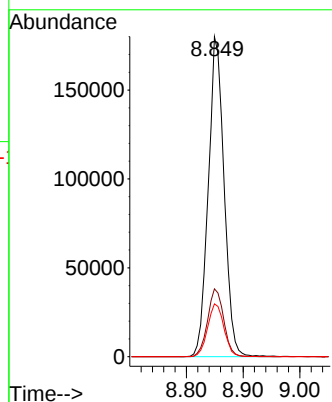
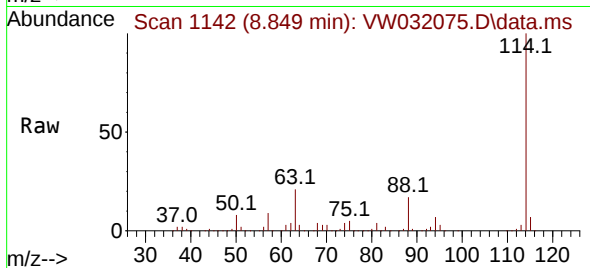
Tgt Ion:114 Resp: 347658

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 16.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 54.257 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032075.D

Acq: 11 Aug 2025 18:25

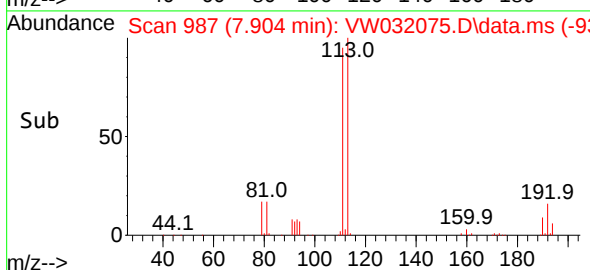
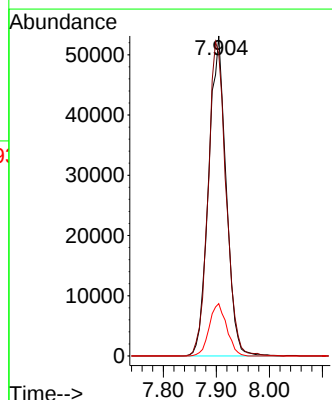
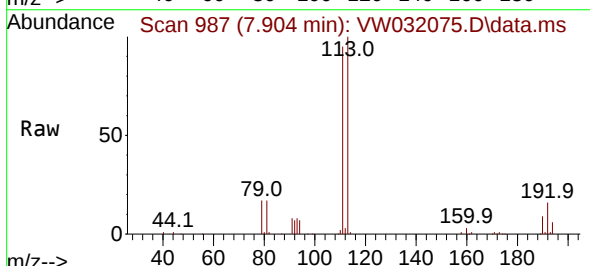
Tgt Ion:113 Resp: 121861

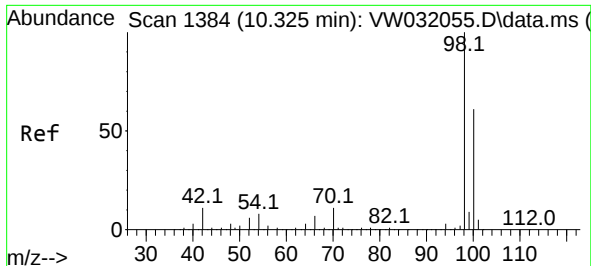
Ion Ratio Lower Upper

113 100

111 100.8 80.1 120.1

192 16.3 13.1 19.7

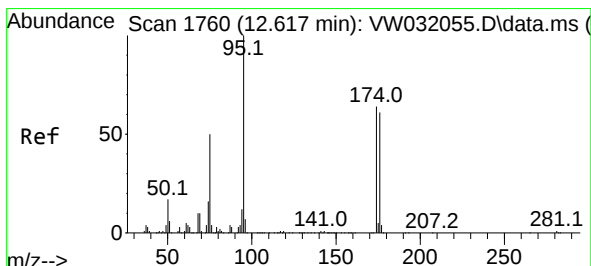
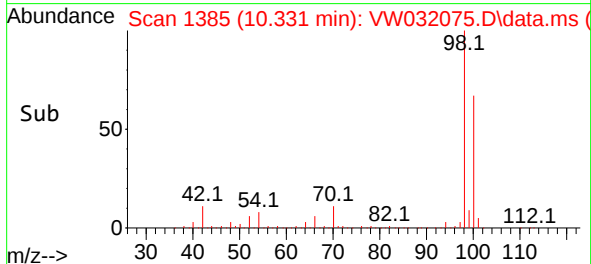
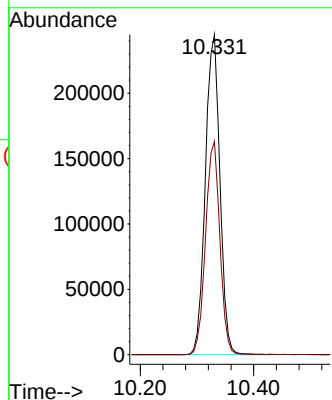
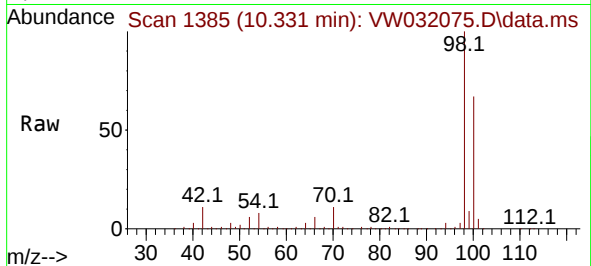




#50
Toluene-d8
Concen: 52.725 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

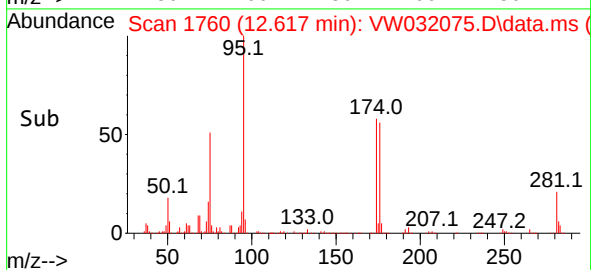
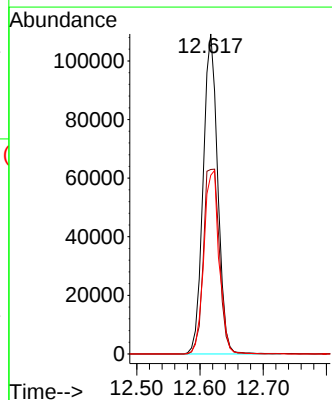
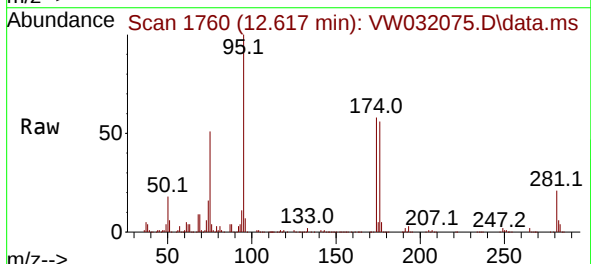
Instrument :
MSVOA_W
ClientSampleId :
11M-W

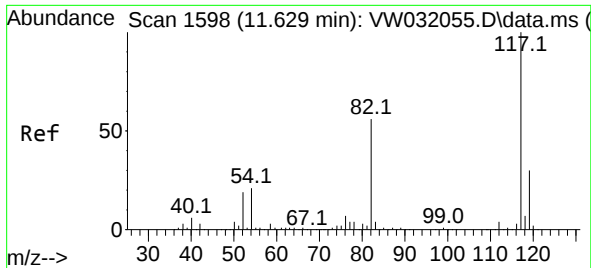
Tgt Ion: 98 Resp: 438005
Ion Ratio Lower Upper
98 100
100 65.5 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 57.411 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Tgt Ion: 95 Resp: 175755
Ion Ratio Lower Upper
95 100
174 63.2 0.0 129.0
176 60.1 0.0 124.6

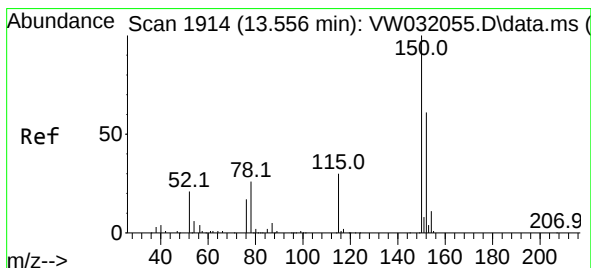
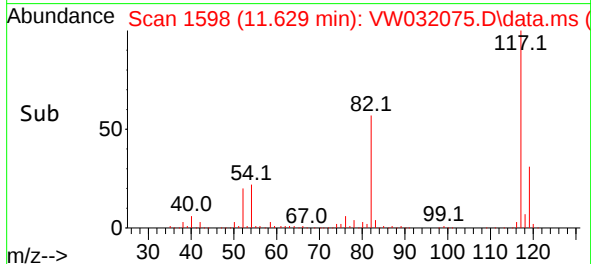
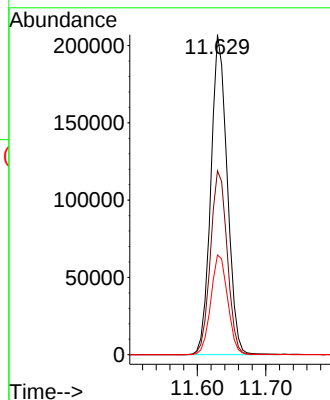
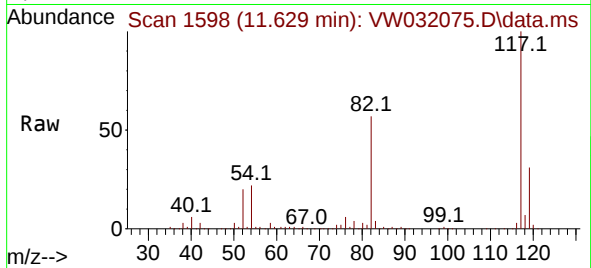




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Instrument :
MSVOA_W
ClientSampleId :
11M-W

Tgt Ion:117 Resp: 344119
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 31.2 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.562 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW032075.D
Acq: 11 Aug 2025 18:25

Tgt Ion:152 Resp: 158417
Ion Ratio Lower Upper
152 100
115 68.8 32.6 97.8
150 163.5 0.0 359.4

