

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032028.D
 Acq On : 06 Aug 2025 13:31
 Operator : SY/MD
 Sample : Q2784-01
 Misc : 5.35g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EO-01-080625

Quant Time: Aug 07 02:19:42 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	7.959	168	112537	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	213314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	193980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	83702	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	72756	42.737	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	85.480%
35) Dibromofluoromethane	7.898	113	64780	44.691	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	89.380%
50) Toluene-d8	10.331	98	241962	44.106	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.220%
62) 4-Bromofluorobenzene	12.617	95	87126	41.361	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	82.720%

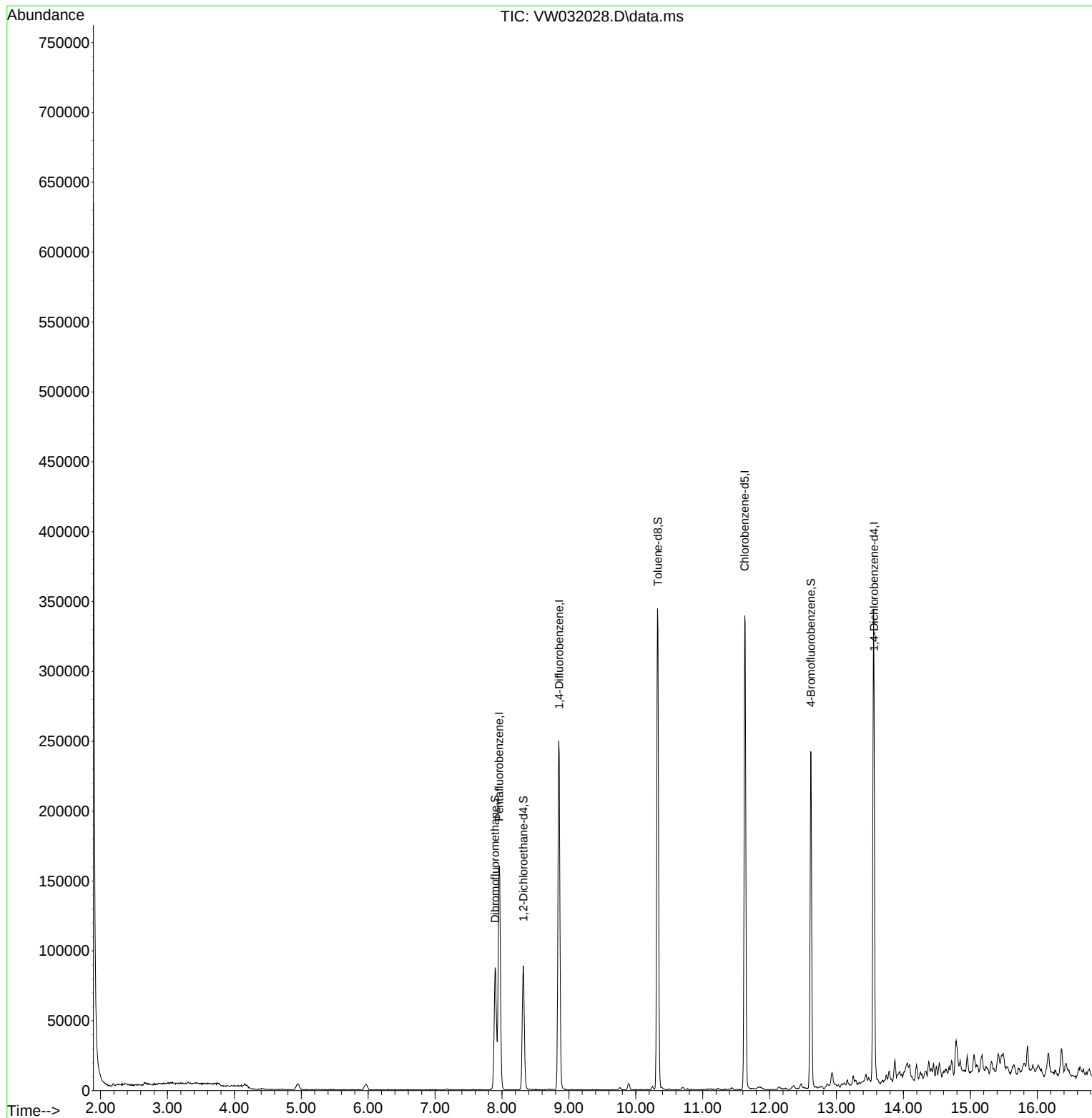
Target Compounds	Qvalue

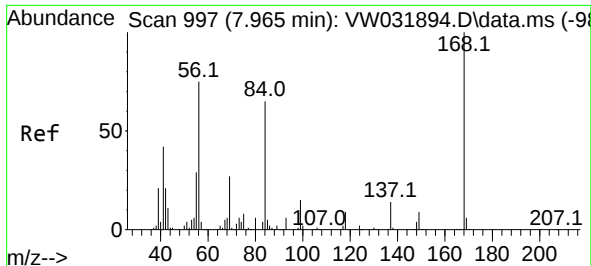
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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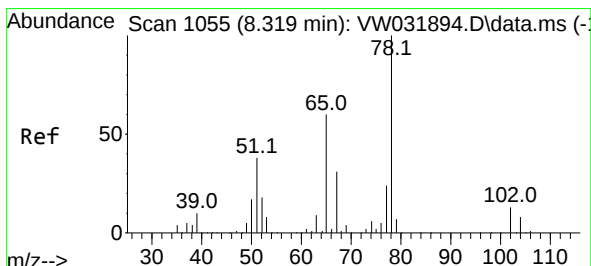
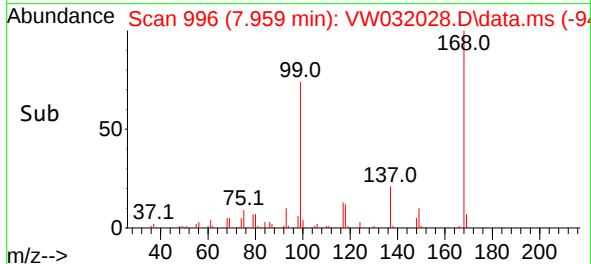
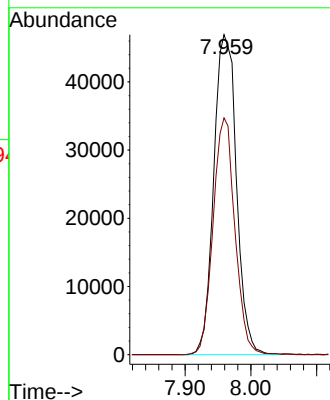
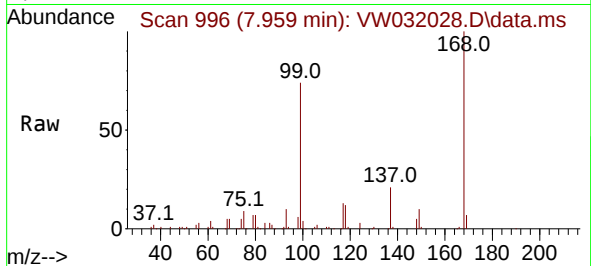




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

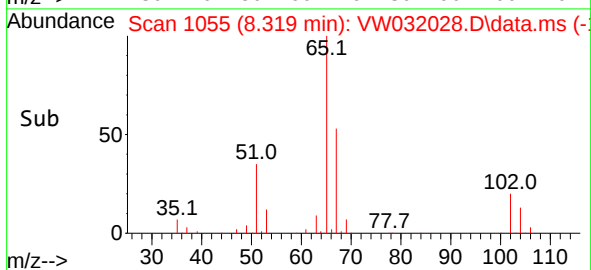
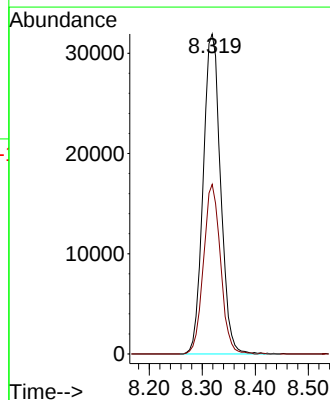
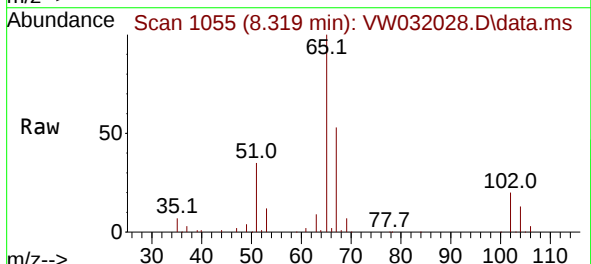
Instrument :
MSVOA_W
ClientSampleId :
EO-01-080625

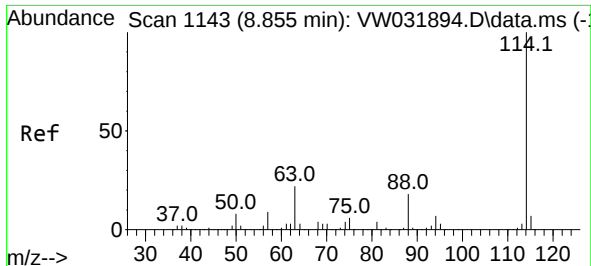
Tgt Ion:168 Resp: 112537
Ion Ratio Lower Upper
168 100
99 74.0 48.2 72.2#



#33
1,2-Dichloroethane-d4
Concen: 42.737 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

Tgt Ion: 65 Resp: 72756
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032028.D

Acq: 06 Aug 2025 13:31

Instrument :

MSVOA_W

ClientSampleId :

EO-01-080625

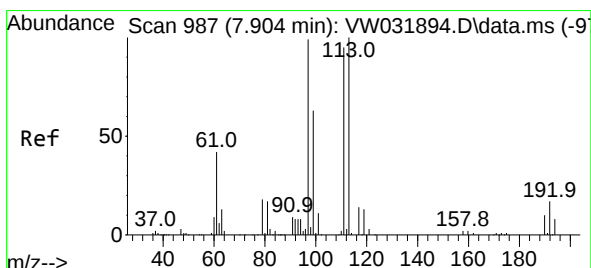
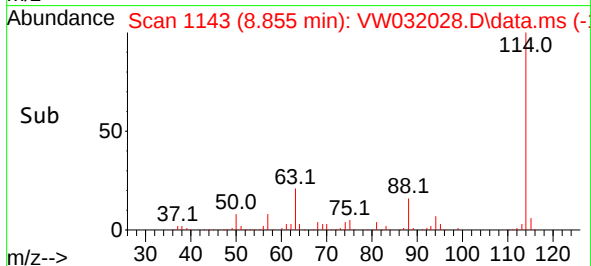
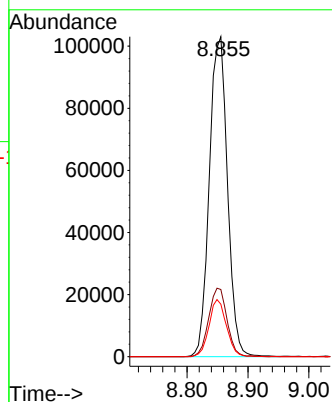
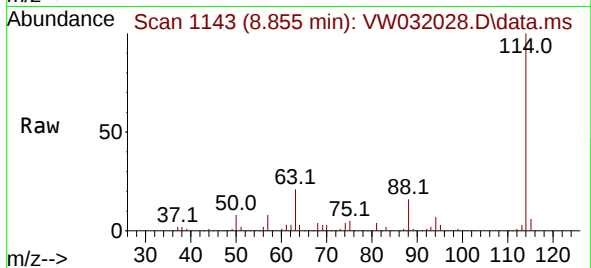
Tgt Ion:114 Resp: 213314

Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.2

88 16.4 0.0 35.6



#35

Dibromofluoromethane

Concen: 44.691 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032028.D

Acq: 06 Aug 2025 13:31

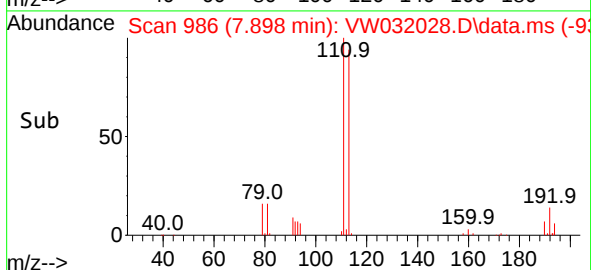
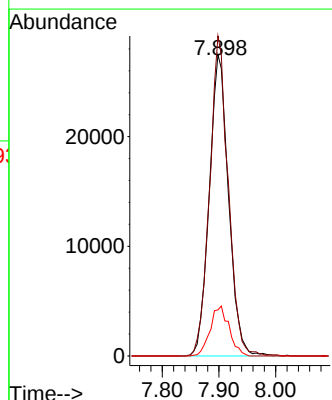
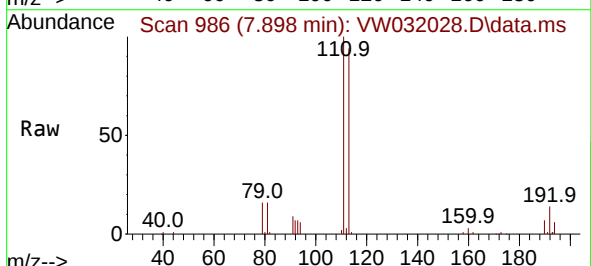
Tgt Ion:113 Resp: 64780

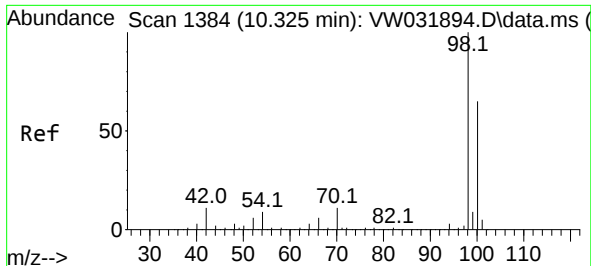
Ion Ratio Lower Upper

113 100

111 102.7 79.9 119.9

192 16.3 12.6 19.0

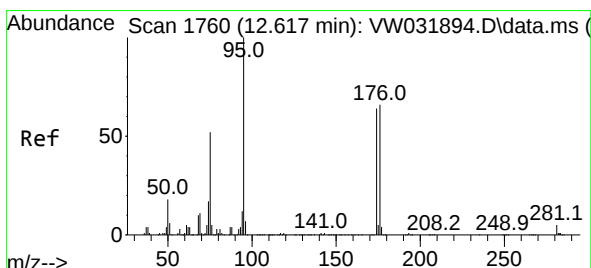
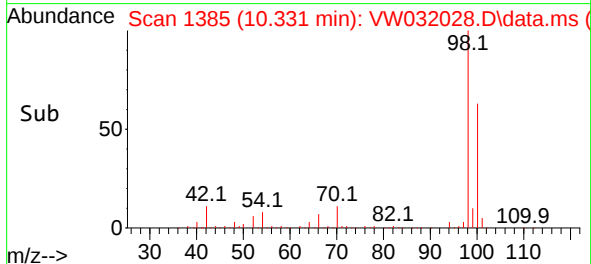
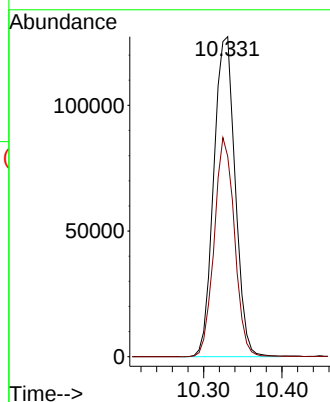
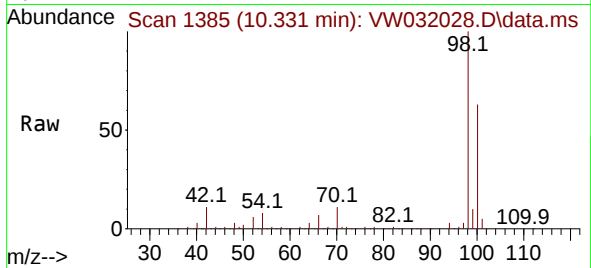




#50
Toluene-d8
Concen: 44.106 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

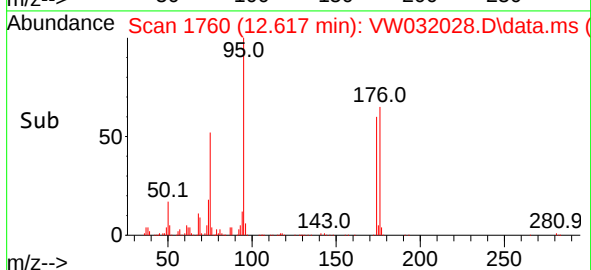
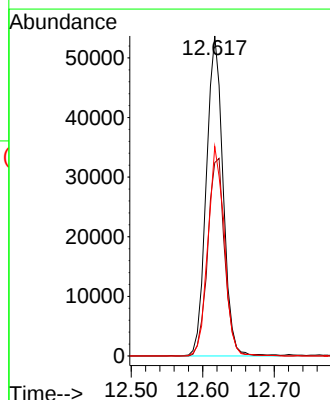
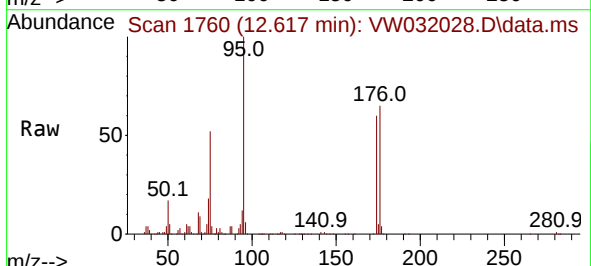
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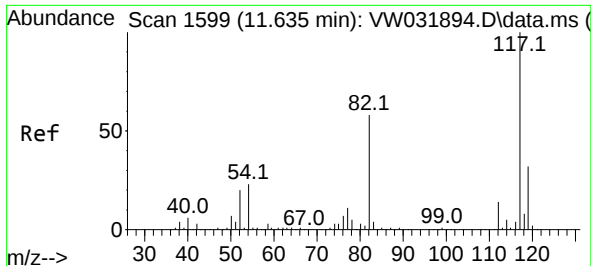
Tgt Ion: 98 Resp: 241962
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 41.361 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

Tgt Ion: 95 Resp: 87126
Ion Ratio Lower Upper
95 100
174 62.9 0.0 129.8
176 64.1 0.0 130.4

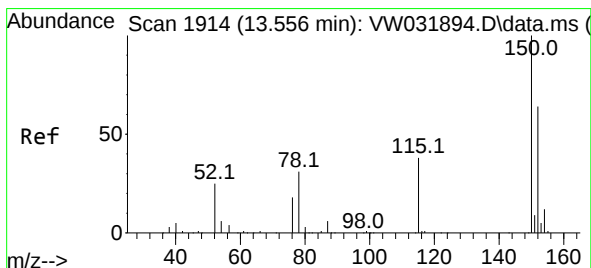
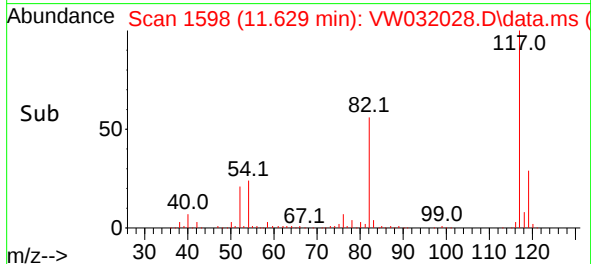
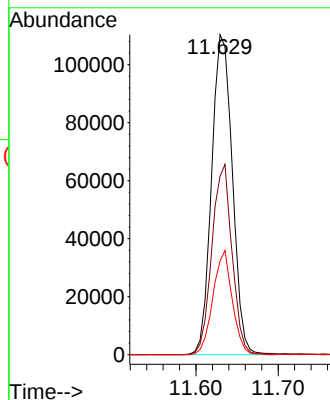
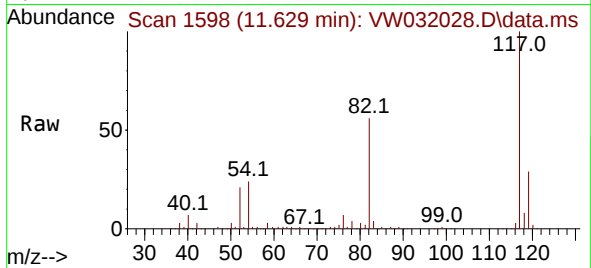




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

Instrument :
MSVOA_W
ClientSampleId :
EO-01-080625

Tgt Ion:117 Resp: 193980
Ion Ratio Lower Upper
117 100
82 55.7 46.5 69.7
119 29.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.562 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW032028.D
Acq: 06 Aug 2025 13:31

Tgt Ion:152 Resp: 83702
Ion Ratio Lower Upper
152 100
115 67.3 33.4 100.1
150 163.3 0.0 352.2

