

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031910.D
 Acq On : 23 Jul 2025 14:03
 Operator : SY/MD
 Sample : Q2677-01
 Misc : 5.03g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-07222025

Quant Time: Jul 24 02:52:55 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	197011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	391803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	373545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	181221	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	151795	50.933	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	101.860%
35) Dibromofluoromethane	7.904	113	134306	50.446	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.900%
50) Toluene-d8	10.331	98	504699	50.088	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.617	95	184054	47.571	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.140%

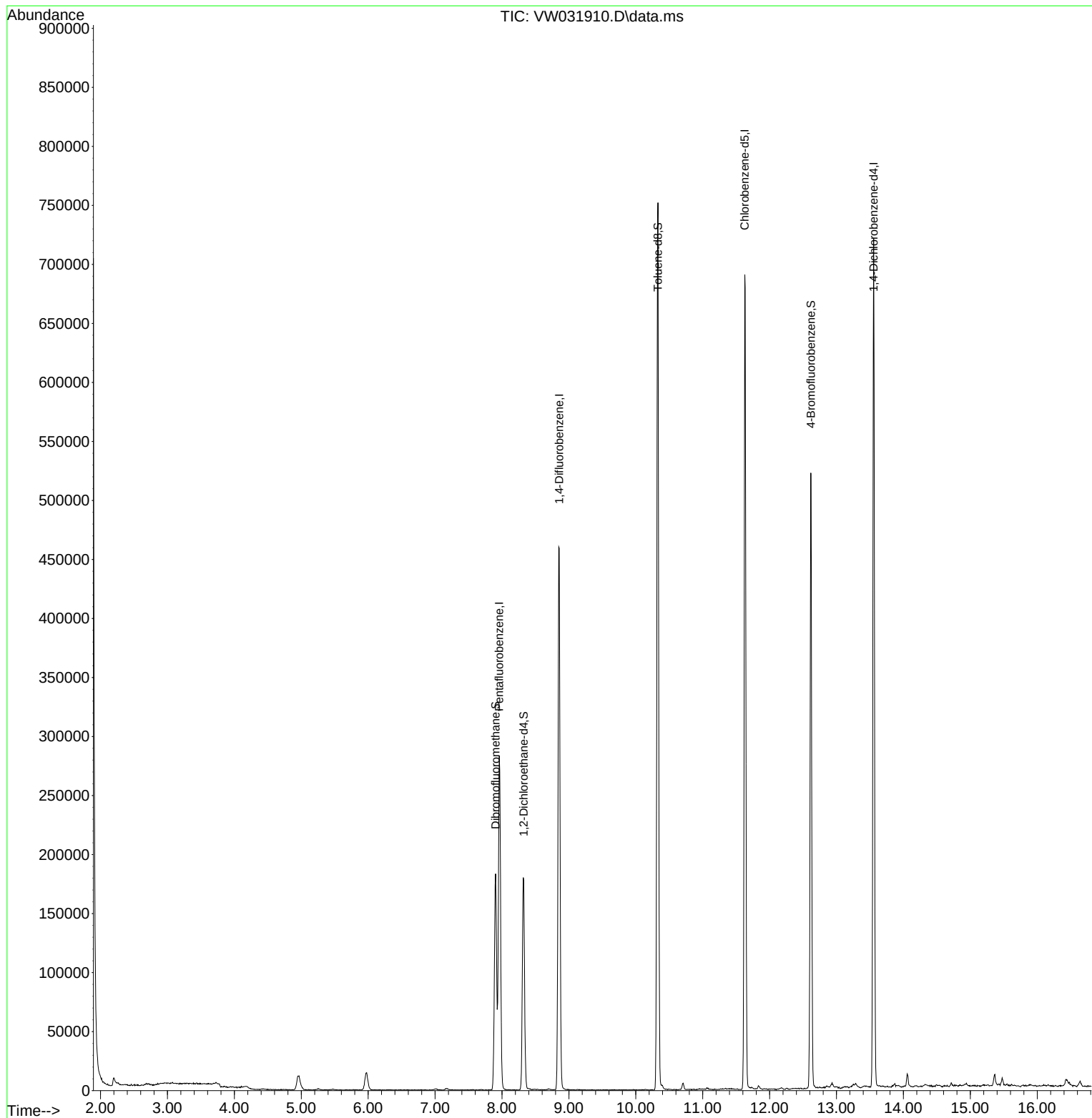
Target Compounds	Qvalue

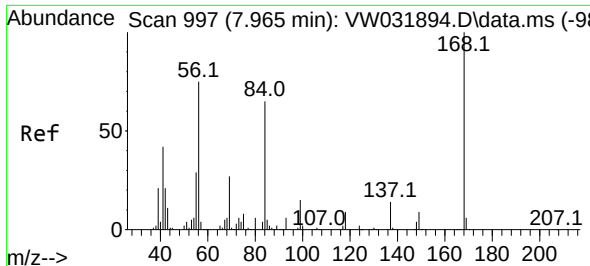
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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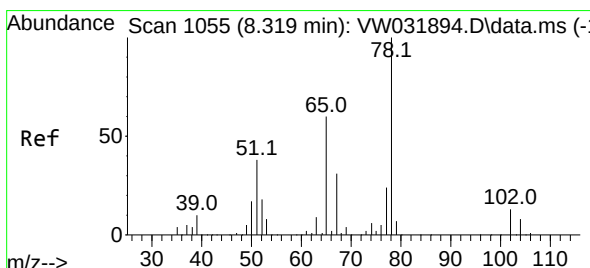
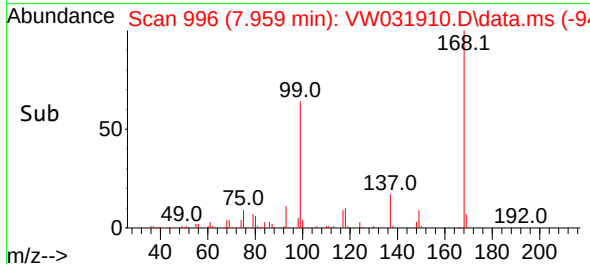
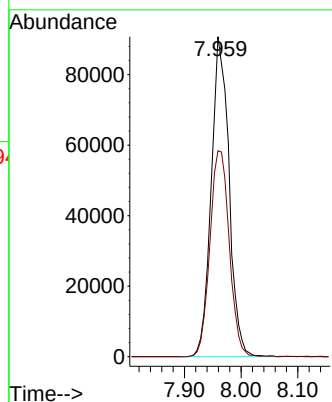
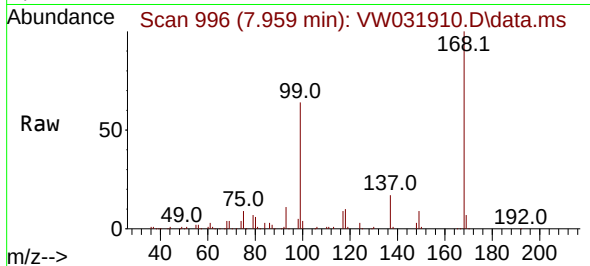




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031910.D
Acq: 23 Jul 2025 14:03

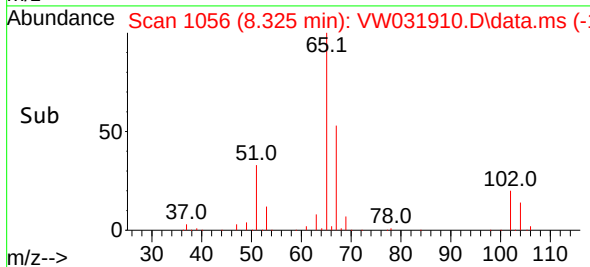
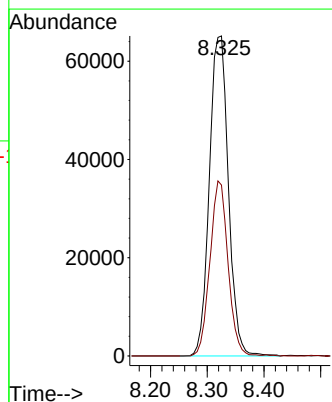
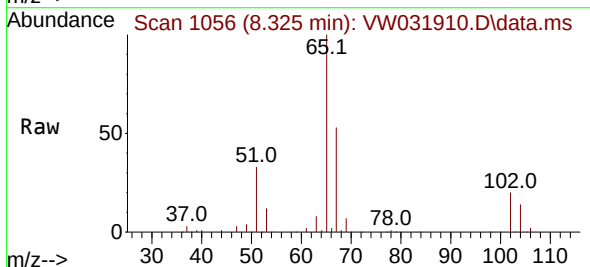
Instrument :
MSVOA_W
ClientSampleId :
OK-02-07222025

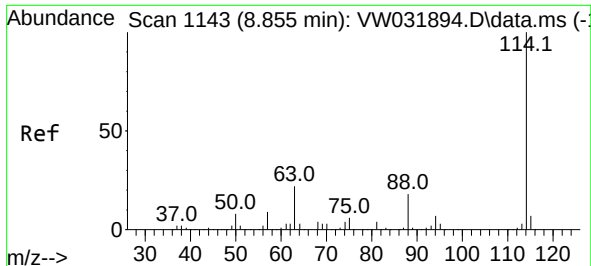
Tgt Ion:168 Resp: 197011
Ion Ratio Lower Upper
168 100
99 64.3 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 50.933 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031910.D
Acq: 23 Jul 2025 14:03

Tgt Ion: 65 Resp: 151795
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: VW031910.D

Acq: 23 Jul 2025 14:03

Instrument :

MSVOA_W

ClientSampleId :

OK-02-07222025

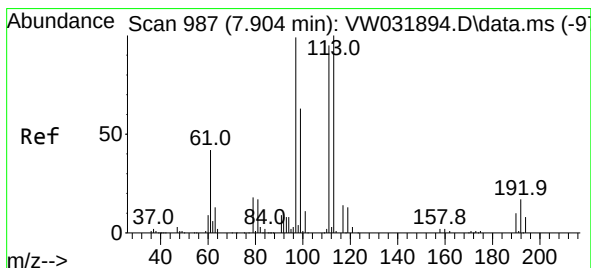
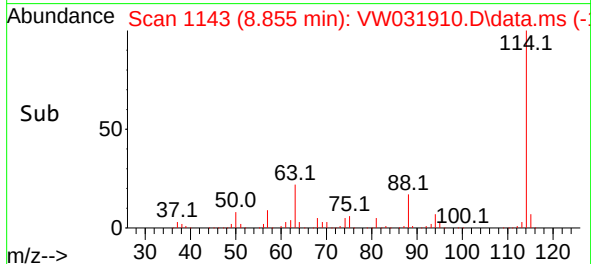
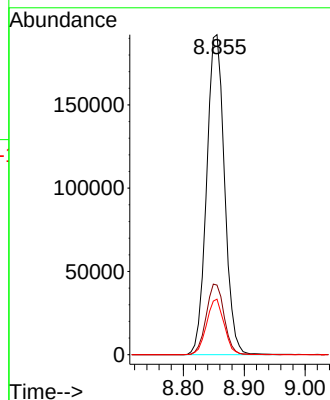
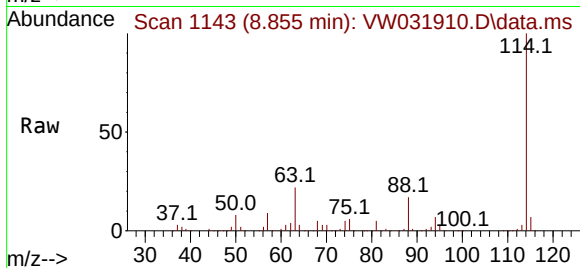
Tgt Ion:114 Resp: 391803

Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.2

88 17.3 0.0 35.6



#35

Dibromofluoromethane

Concen: 50.446 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW031910.D

Acq: 23 Jul 2025 14:03

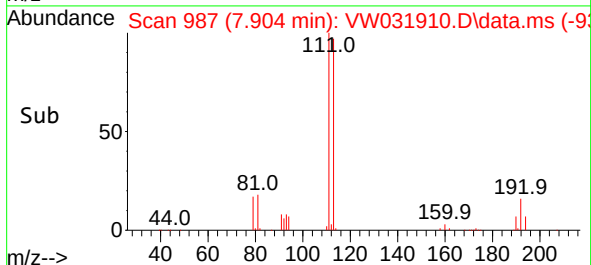
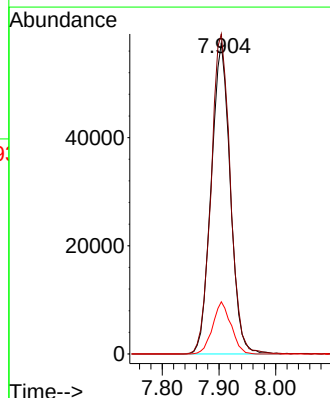
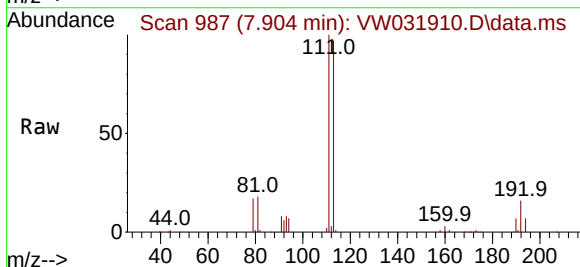
Tgt Ion:113 Resp: 134306

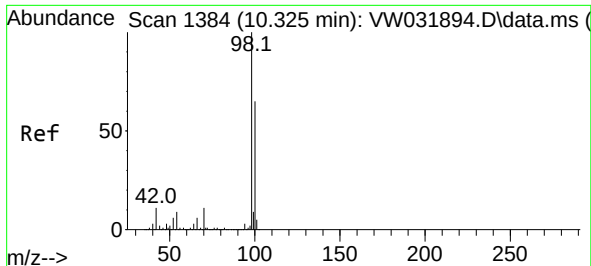
Ion Ratio Lower Upper

113 100

111 103.7 79.9 119.9

192 16.1 12.6 19.0

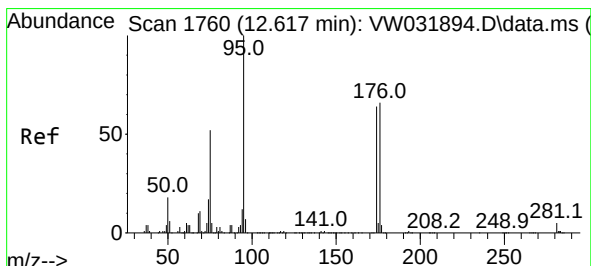
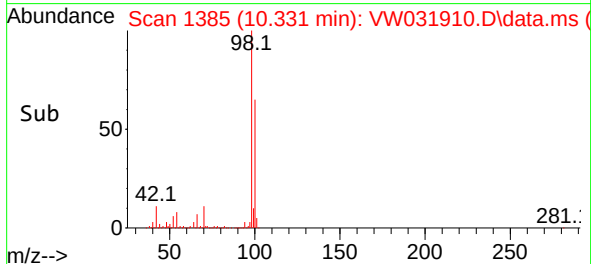
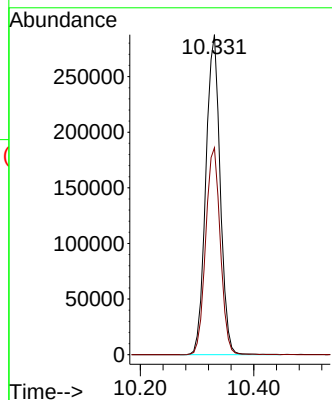
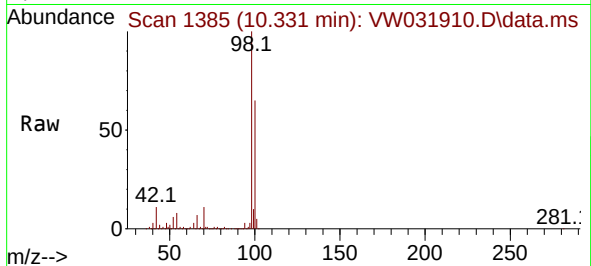




#50
Toluene-d8
Concen: 50.088 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031910.D
Acq: 23 Jul 2025 14:03

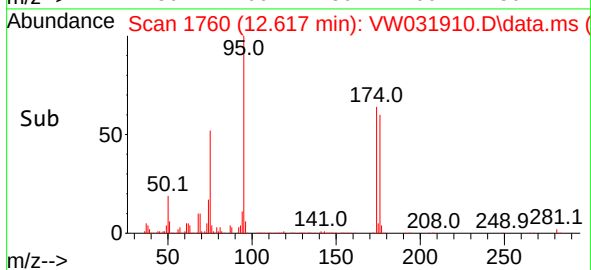
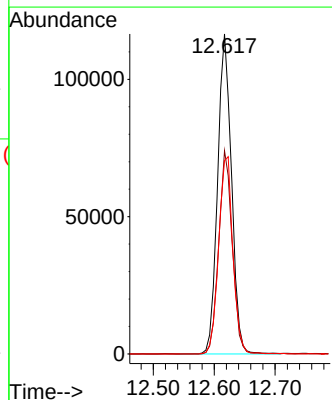
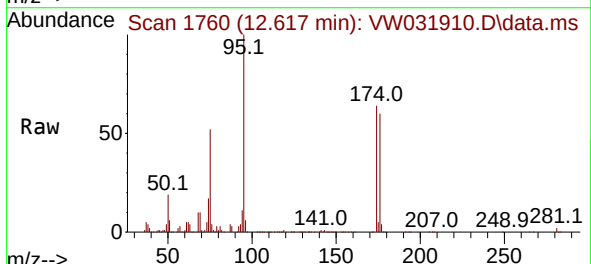
Instrument :
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OK-02-07222025

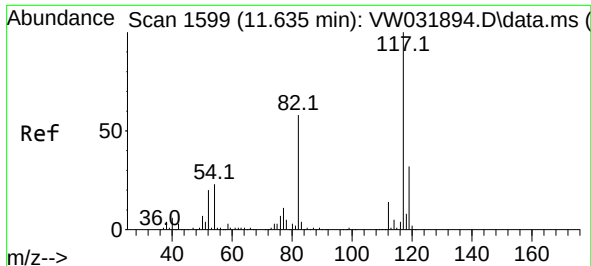
Tgt Ion: 98 Resp: 504699
Ion Ratio Lower Upper
98 100
100 66.0 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.571 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031910.D
Acq: 23 Jul 2025 14:03

Tgt Ion: 95 Resp: 184054
Ion Ratio Lower Upper
95 100
174 62.3 0.0 129.8
176 63.3 0.0 130.4

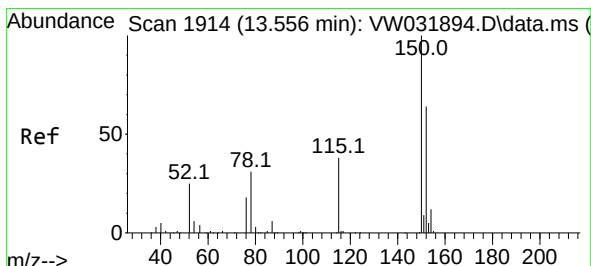
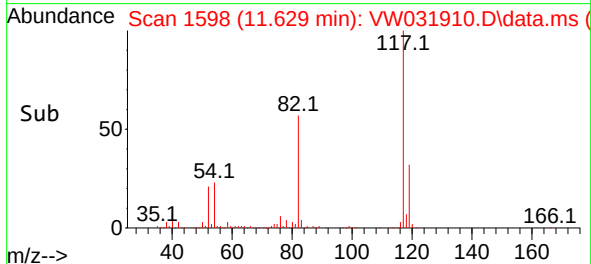
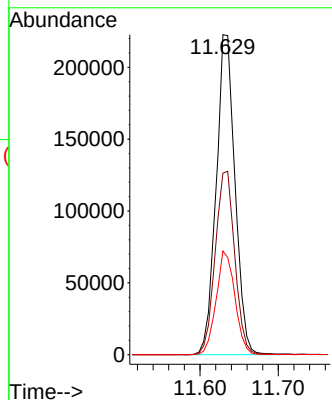
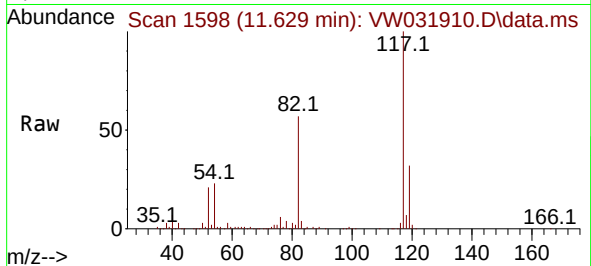




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW031910.D
Acq: 23 Jul 2025 14:03

Instrument :
MSVOA_W
ClientSampleId :
OK-02-07222025

Tgt Ion:117 Resp: 373545
Ion Ratio Lower Upper
117 100
82 56.7 46.5 69.7
119 32.4 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031910.D
Acq: 23 Jul 2025 14:03

Tgt Ion:152 Resp: 181221
Ion Ratio Lower Upper
152 100
115 65.9 33.4 100.1
150 156.0 0.0 352.2

