

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040225\
 Data File : VN086204.D
 Acq On : 02 Apr 2025 13:21
 Operator : JC\MD
 Sample : Q1659-02 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3809

Quant Time: Apr 02 13:36:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.282	168	117547	50.000	ug/l	0.06
34) 1,4-Difluorobenzene	9.141	114	197010	50.000	ug/l	0.04
63) Chlorobenzene-d5	11.876	117	174088	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.794	152	76578	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.635	65	81867	50.861	ug/l	0.06
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.720%
35) Dibromofluoromethane	8.229	113	60786	44.205	ug/l	0.06
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.400%
50) Toluene-d8	10.582	98	223918	44.867	ug/l	0.02
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.740%
62) 4-Bromofluorobenzene	12.853	95	86328	48.504	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.000%

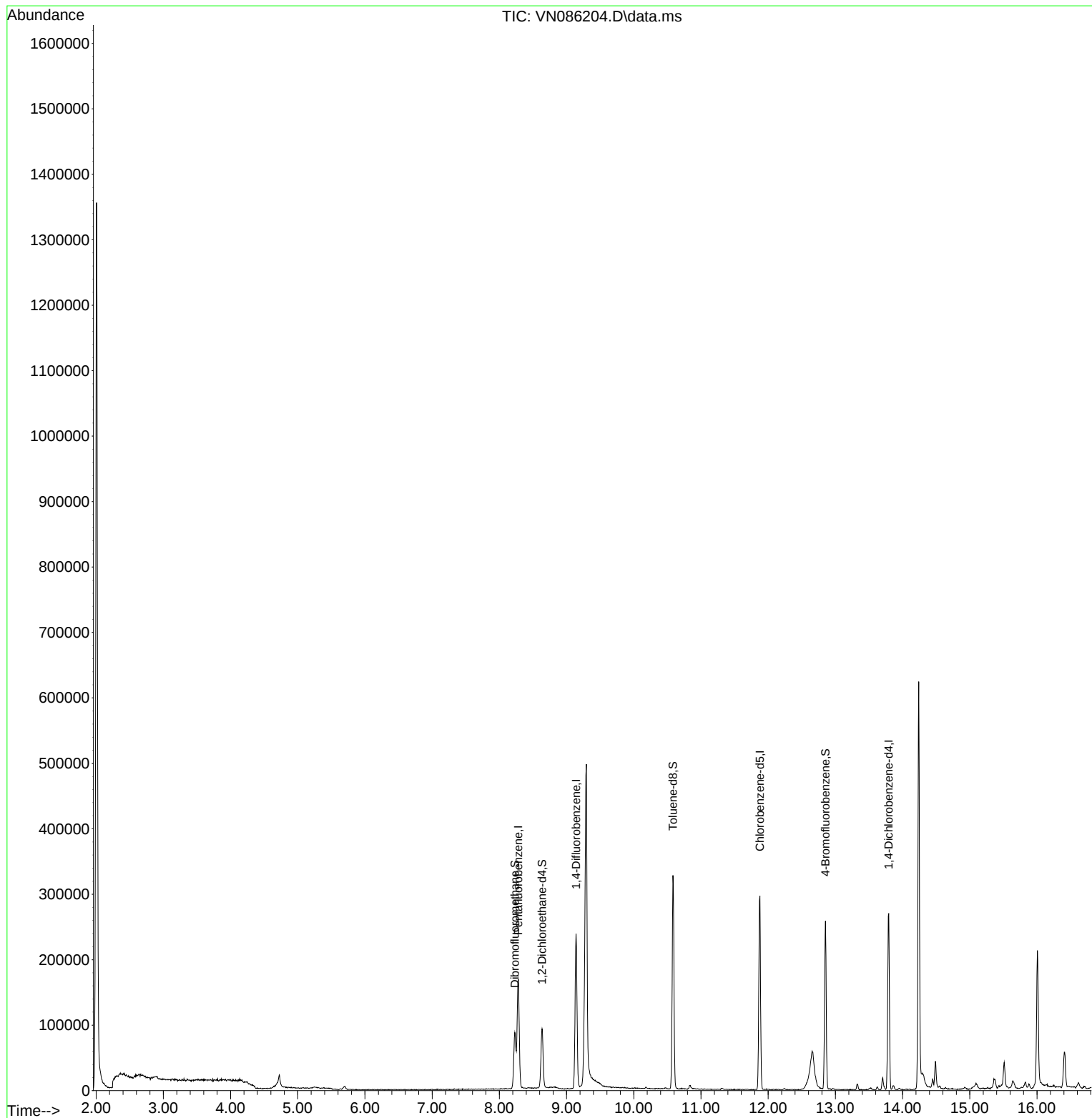
Target Compounds	Qvalue

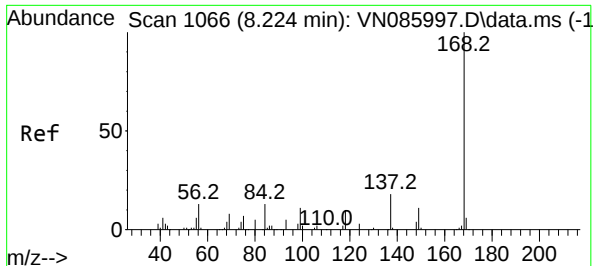
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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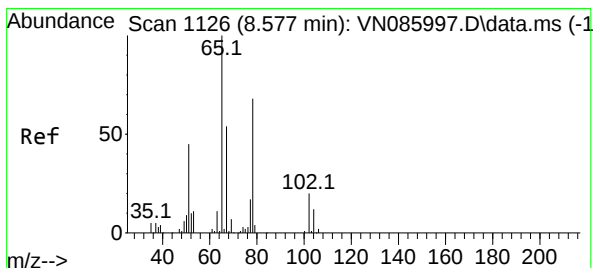
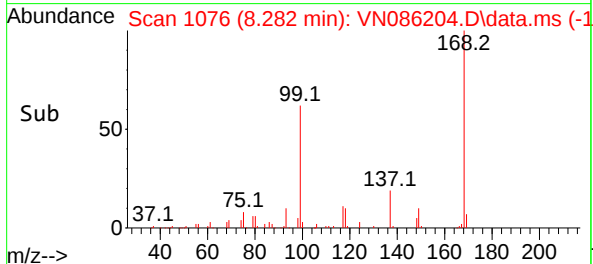
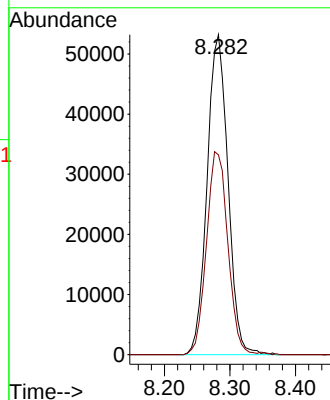
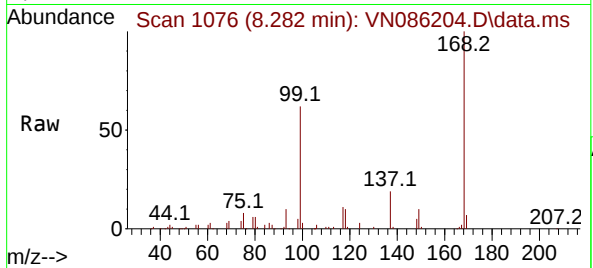




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.282 min Scan# 1106
Delta R.T. 0.058 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

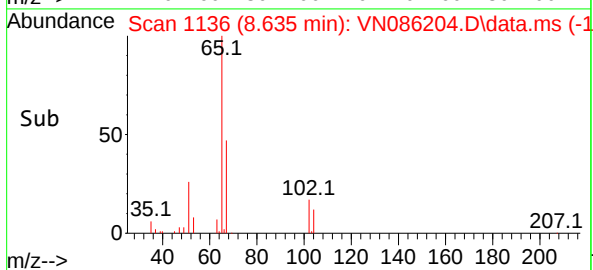
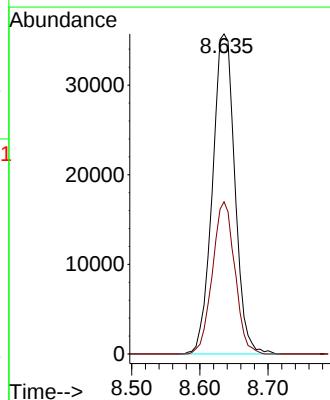
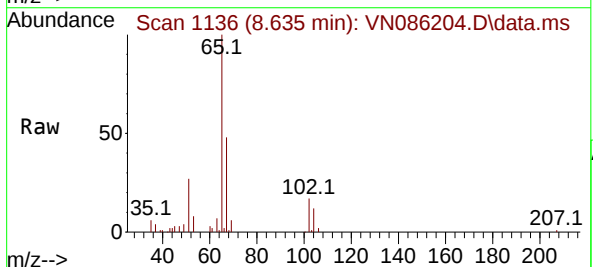
Instrument :
MSVOA_N
ClientSampleId :
3809

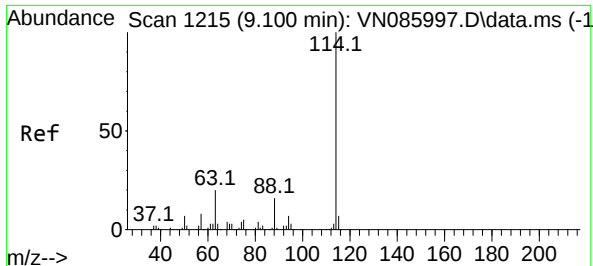
Tgt Ion:168 Resp: 117547
Ion Ratio Lower Upper
168 100
99 62.4 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 50.861 ug/l
RT: 8.635 min Scan# 1136
Delta R.T. 0.059 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion: 65 Resp: 81867
Ion Ratio Lower Upper
65 100
67 47.5 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.141 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN086204.D

Acq: 02 Apr 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

3809

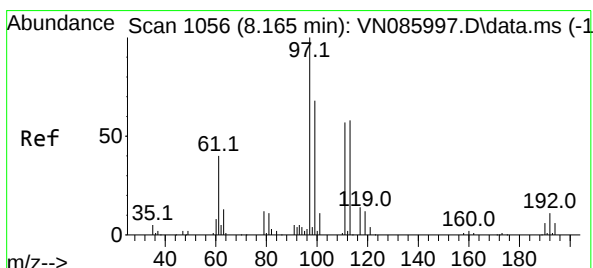
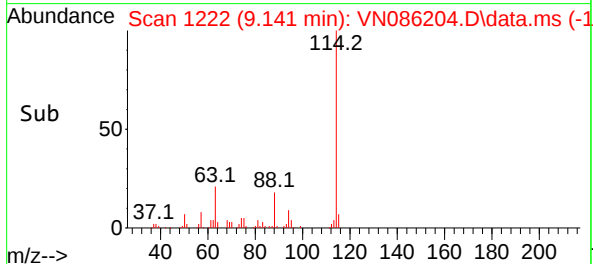
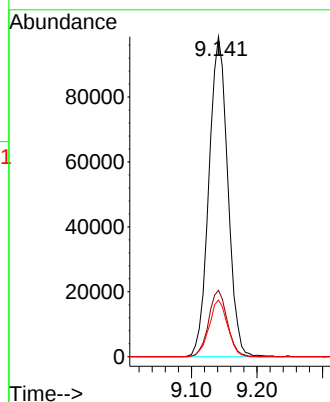
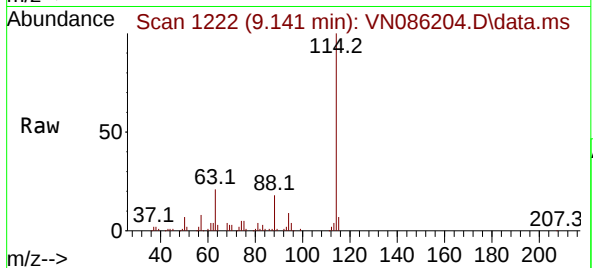
Tgt Ion:114 Resp: 197010

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 17.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 44.205 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. 0.064 min

Lab File: VN086204.D

Acq: 02 Apr 2025 13:21

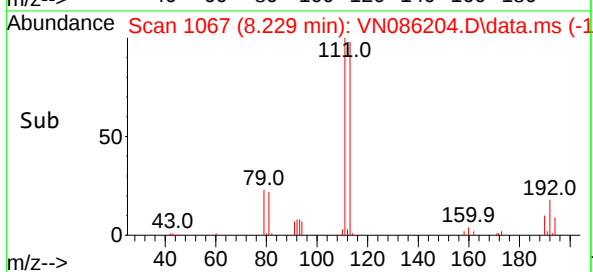
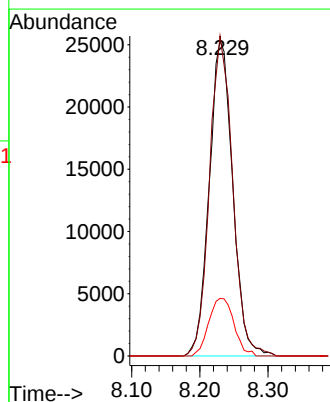
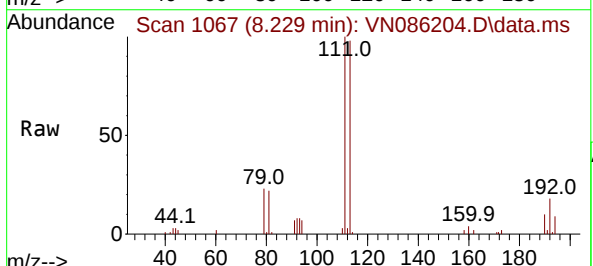
Tgt Ion:113 Resp: 60786

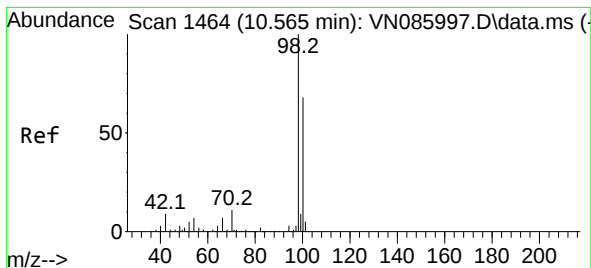
Ion Ratio Lower Upper

113 100

111 99.8 81.8 122.8

192 19.6 15.9 23.9





#50

Toluene-d8

Concen: 44.867 ug/l

RT: 10.582 min Scan# 1467

Delta R.T. 0.017 min

Lab File: VN086204.D

Acq: 02 Apr 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

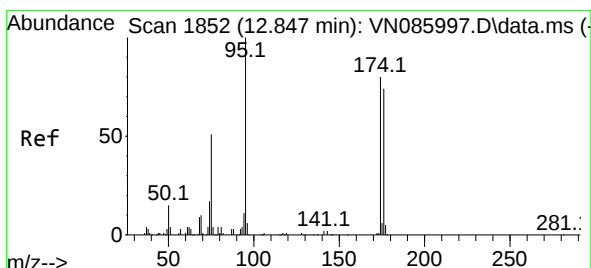
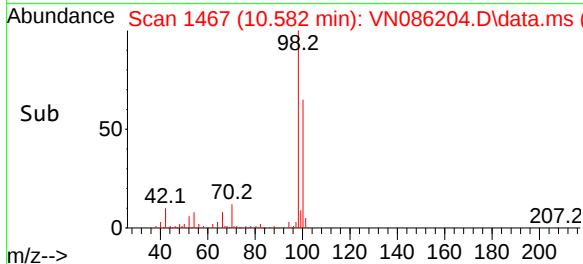
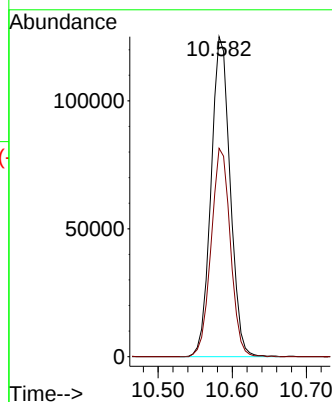
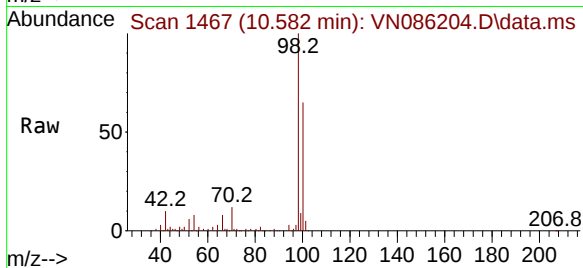
3809

Tgt Ion: 98 Resp: 223918

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 48.504 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN086204.D

Acq: 02 Apr 2025 13:21

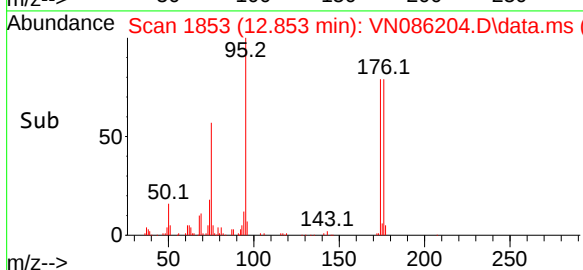
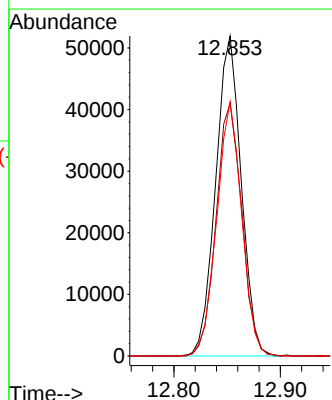
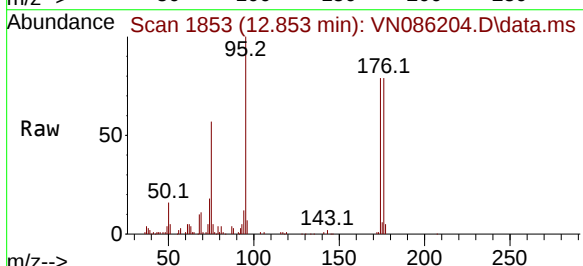
Tgt Ion: 95 Resp: 86328

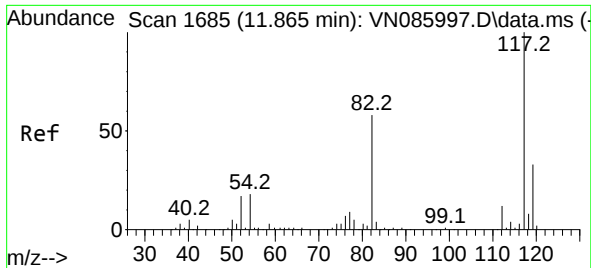
Ion Ratio Lower Upper

95 100

174 79.7 0.0 156.8

176 78.0 0.0 152.2

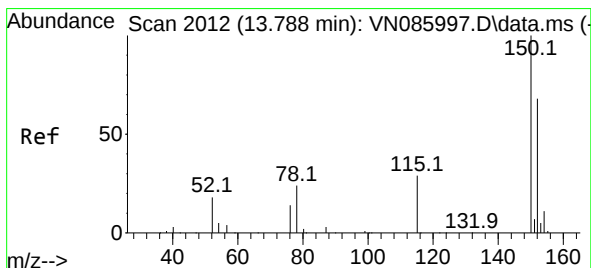
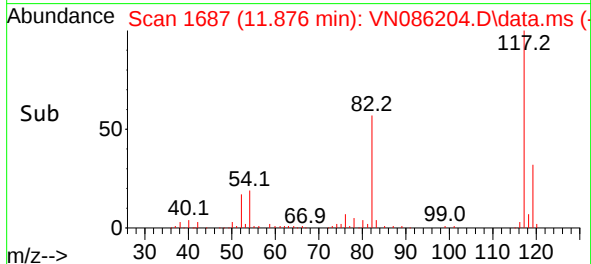
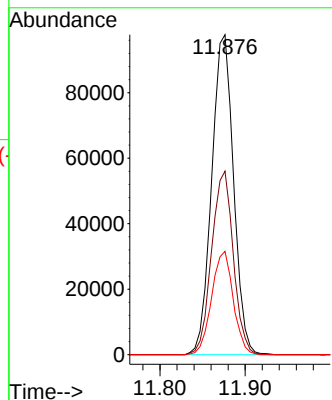
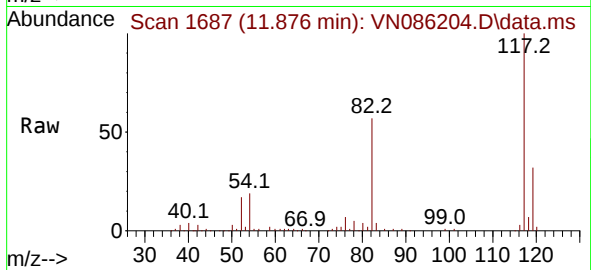




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.876 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
3809

Tgt Ion:117 Resp: 174088
Ion Ratio Lower Upper
117 100
82 57.4 46.7 70.1
119 32.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN086204.D
Acq: 02 Apr 2025 13:21

Tgt Ion:152 Resp: 76578
Ion Ratio Lower Upper
152 100
115 62.3 31.1 93.2
150 157.5 0.0 359.6

