

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079855.D
 Acq On : 03 Nov 2023 17:39
 Operator : JC\MD
 Sample : 05141-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-102723

Quant Time: Nov 04 00:55:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	227260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	454927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	477353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	187556	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	199110	57.507	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.020%
35) Dibromofluoromethane	8.171	113	161203	50.066	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.140%
50) Toluene-d8	10.570	98	562562	47.461	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.920%
62) 4-Bromofluorobenzene	12.853	95	187860	47.788	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.580%

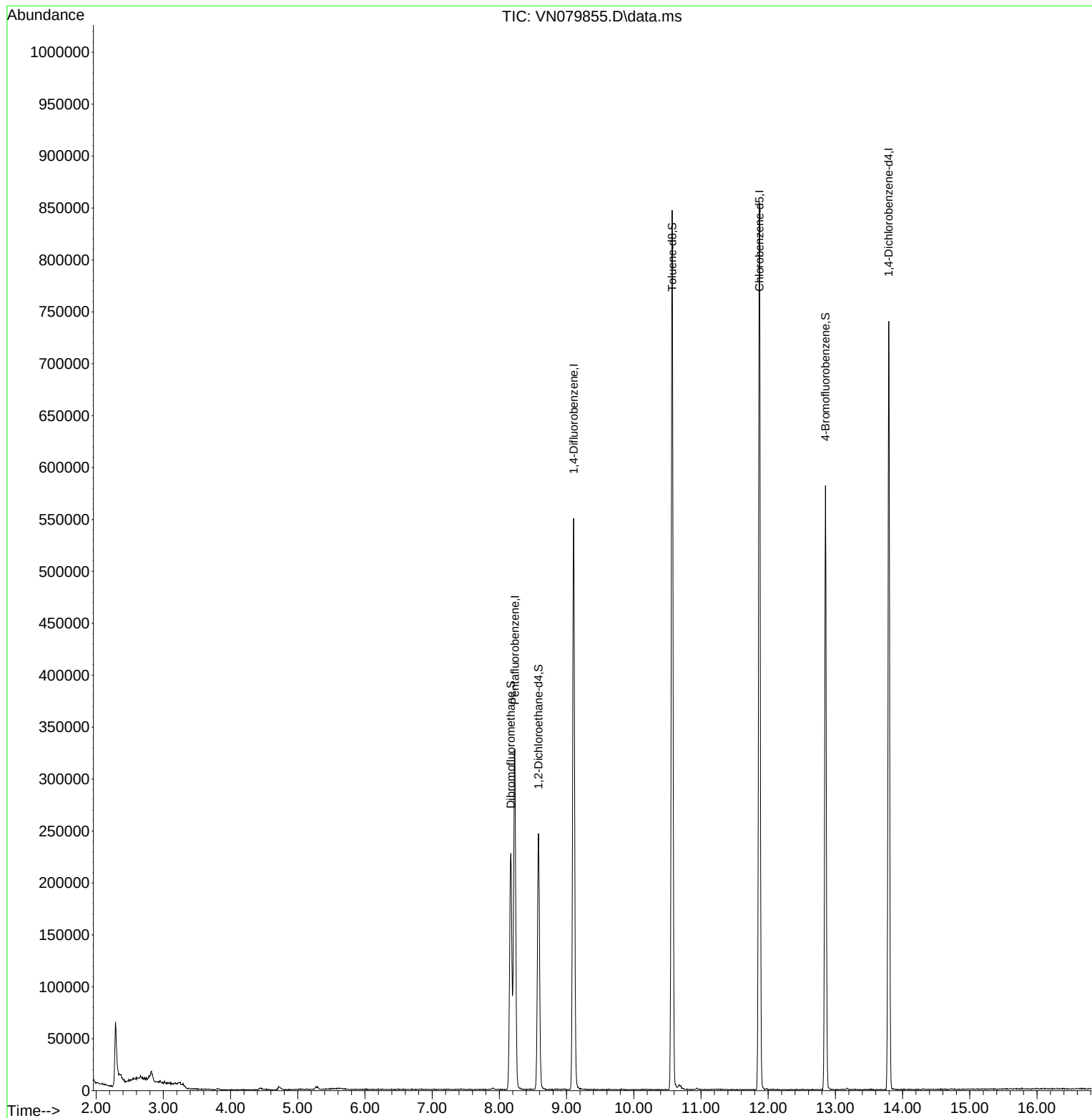
Target Compounds	Qvalue

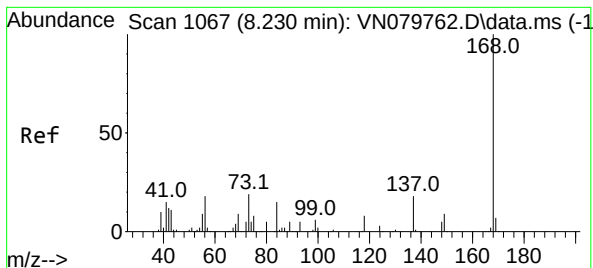
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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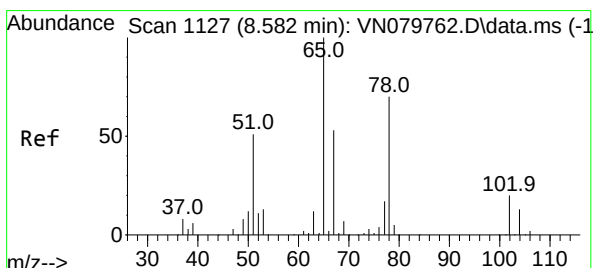
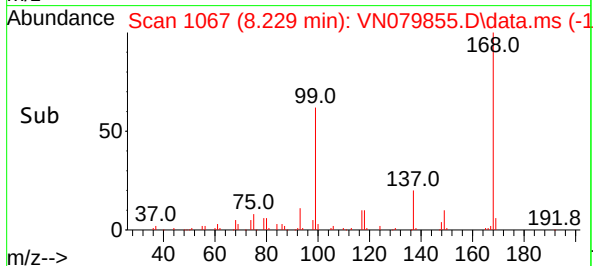
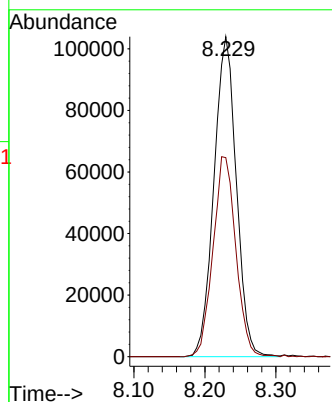
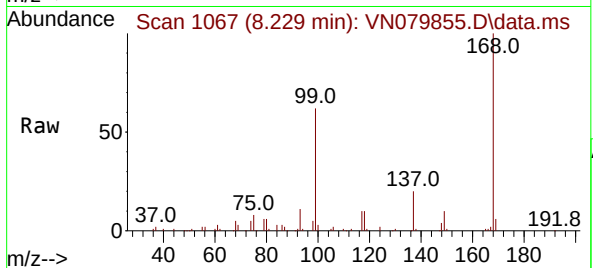




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN079855.D
Acq: 03 Nov 2023 17:39

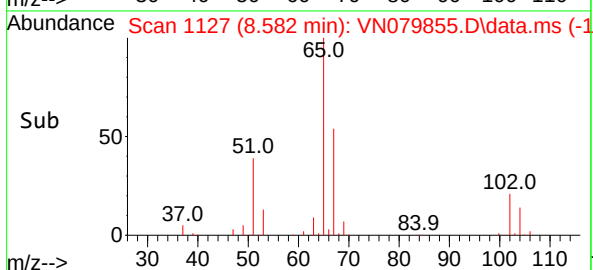
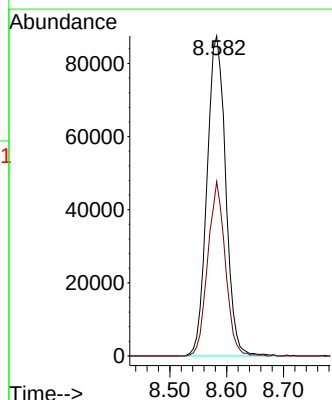
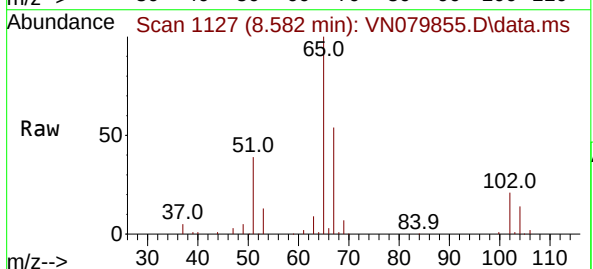
Instrument :
MSVOA_N
ClientSampleId :
TB-102723

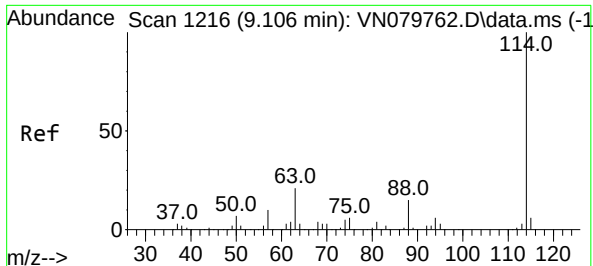
Tgt Ion:168 Resp: 227260
Ion Ratio Lower Upper
168 100
99 62.2 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 57.507 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079855.D
Acq: 03 Nov 2023 17:39

Tgt Ion: 65 Resp: 199110
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN079855.D

Acq: 03 Nov 2023 17:39

Instrument :

MSVOA_N

ClientSampleId :

TB-102723

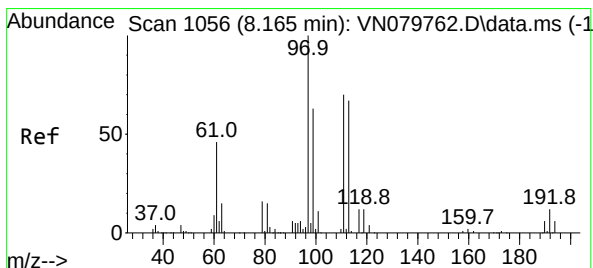
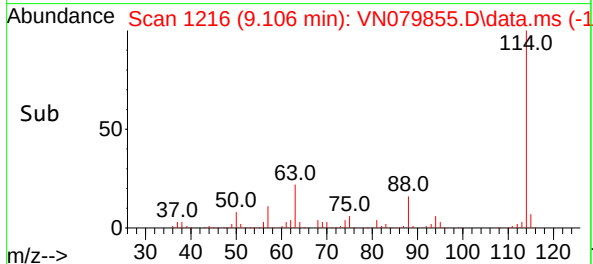
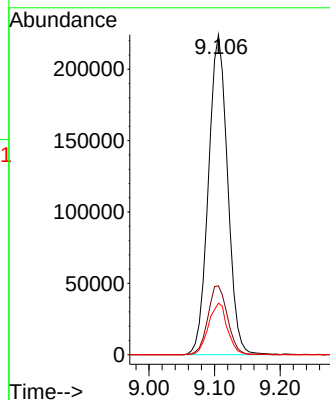
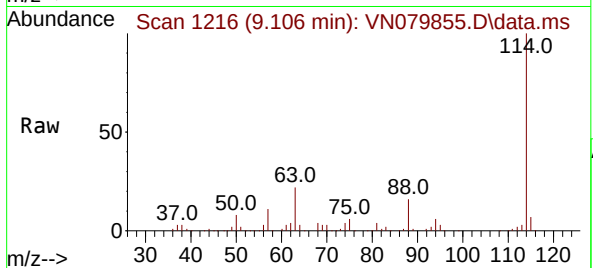
Tgt Ion:114 Resp: 454927

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 16.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.066 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079855.D

Acq: 03 Nov 2023 17:39

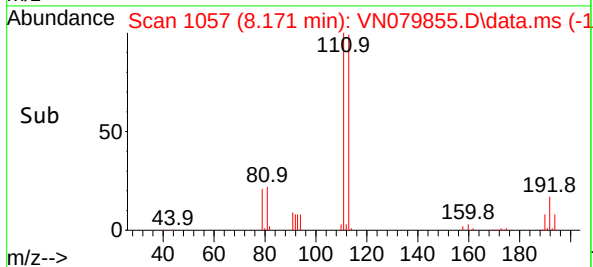
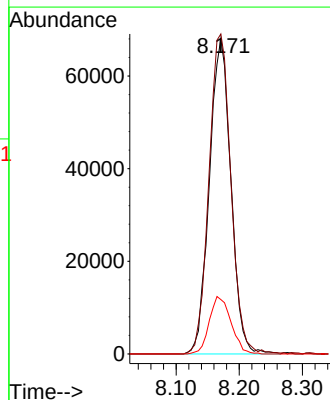
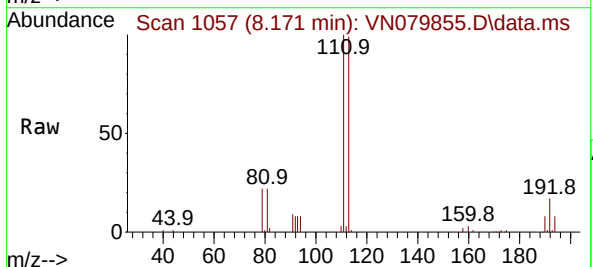
Tgt Ion:113 Resp: 161203

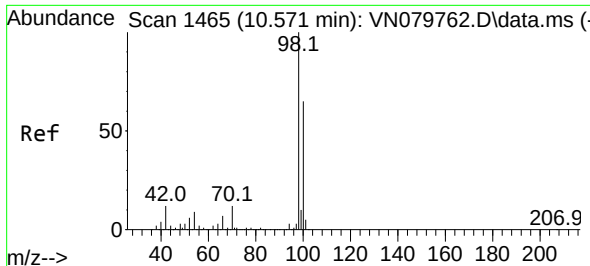
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 18.3 12.7 19.1

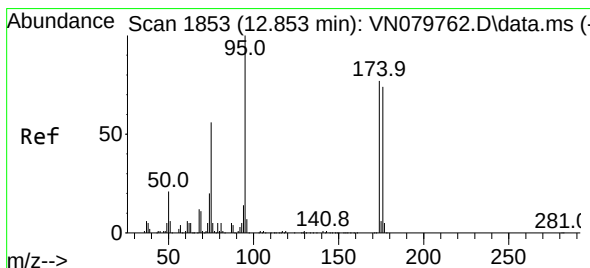
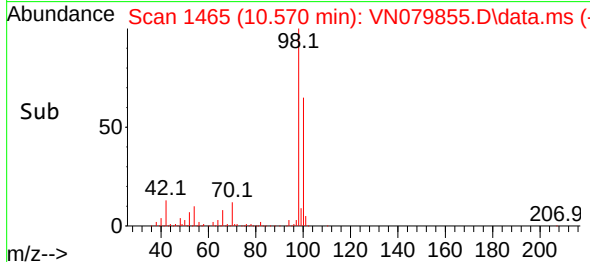
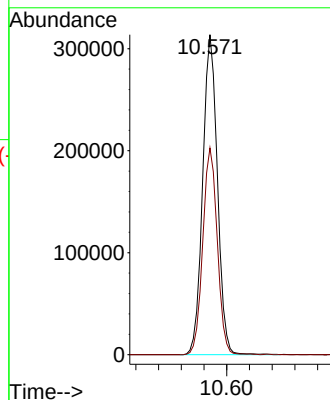
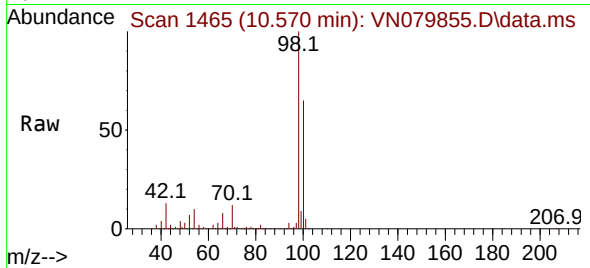




#50
Toluene-d8
Concen: 47.461 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079855.D
Acq: 03 Nov 2023 17:39

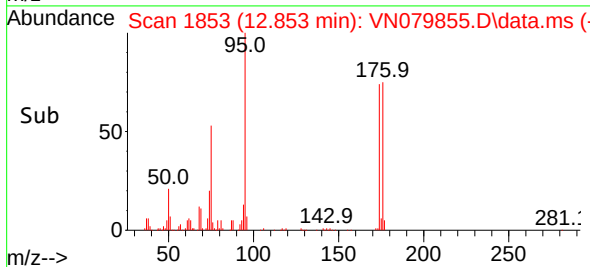
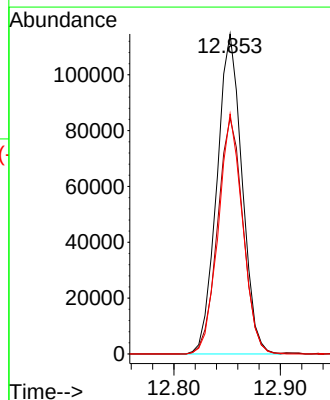
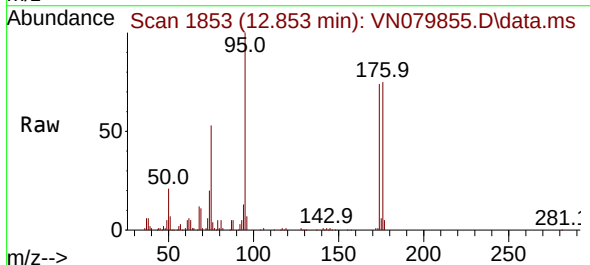
Instrument :
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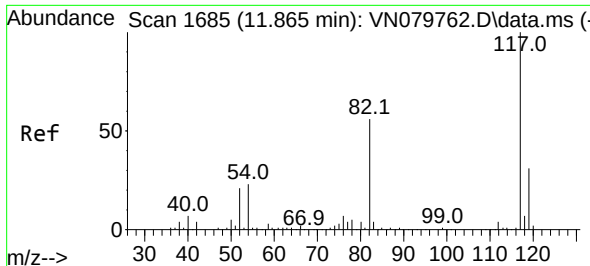
Tgt Ion: 98 Resp: 562562
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.788 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079855.D
Acq: 03 Nov 2023 17:39

Tgt Ion: 95 Resp: 187860
Ion Ratio Lower Upper
95 100
174 74.7 0.0 143.8
176 72.3 0.0 135.8

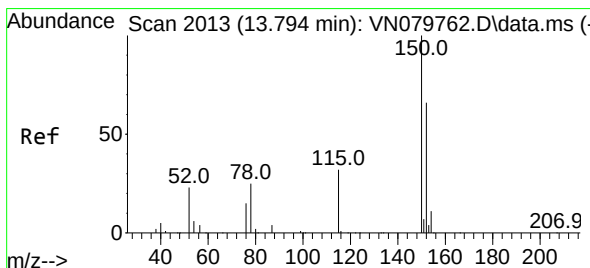
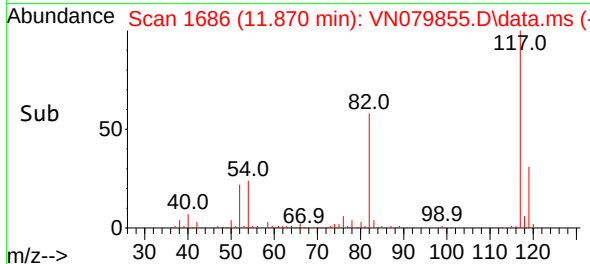
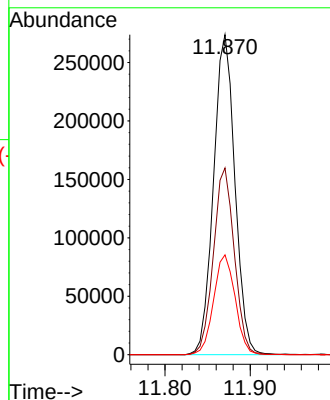
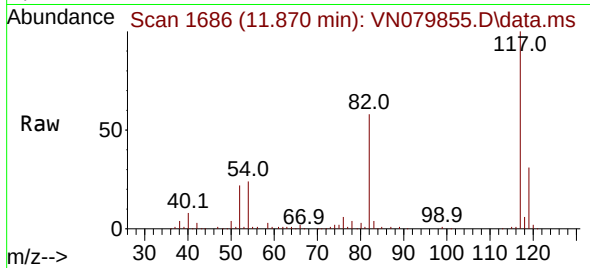




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079855.D
Acq: 03 Nov 2023 17:39

Instrument :
MSVOA_N
ClientSampleId :
TB-102723

Tgt Ion:117 Resp: 477353
Ion Ratio Lower Upper
117 100
82 58.4 44.0 66.0
119 31.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079855.D
Acq: 03 Nov 2023 17:39

Tgt Ion:152 Resp: 187556
Ion Ratio Lower Upper
152 100
115 61.7 32.3 96.8
150 155.9 0.0 355.8

