

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN079999.D
 Acq On : 08 Nov 2023 18:45
 Operator : JC\MD
 Sample : VN1108WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:28:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

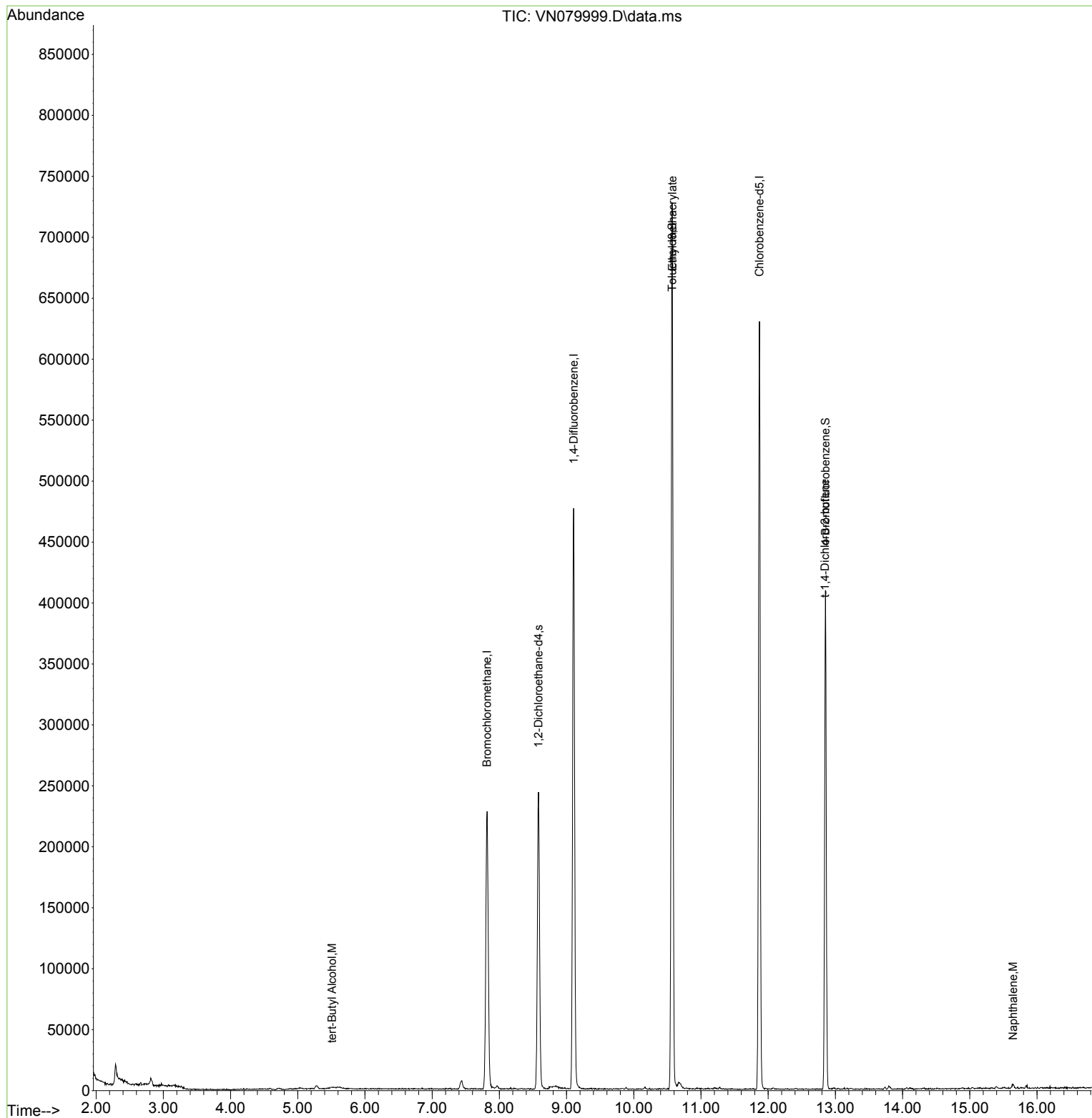
Internal Standards						
1) Bromochloromethane	7.818	128	79957	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	399491	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	358565	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	203763	30.359	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.200%
60) 4-Bromofluorobenzene	12.853	95	140500	24.503	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.667%
63) Toluene-d8	10.571	98	490698	28.882	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.267%
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	5.512	59	203	0.297	ug/l #	100
51) Ethyl methacrylate	10.577	69	1881	0.275	ug/l	83
77) t-1,4-Dichloro-2-butene	12.847	75	75355	37.488	ug/l #	7
91) Naphthalene	15.647	128	2743	0.222	ug/l #	91

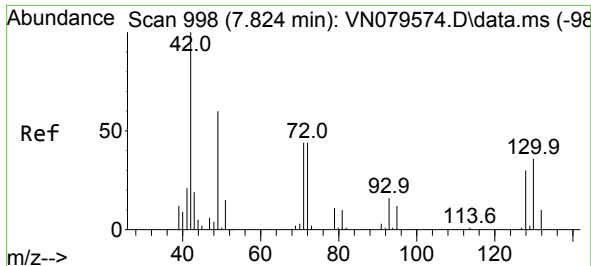
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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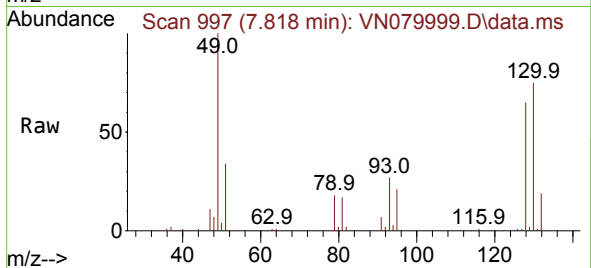
Quant Time: Nov 09 04:28:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
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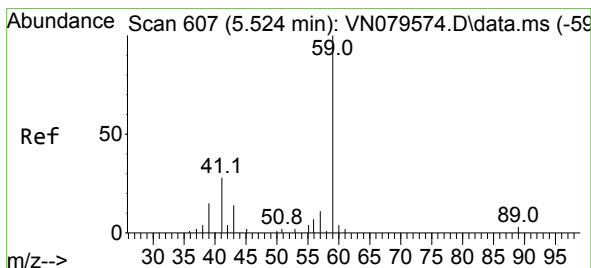
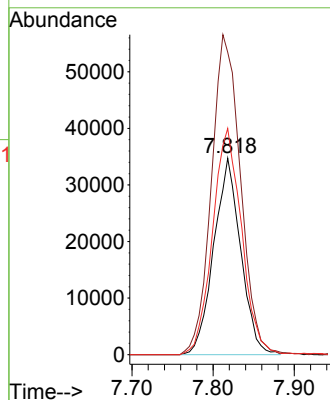
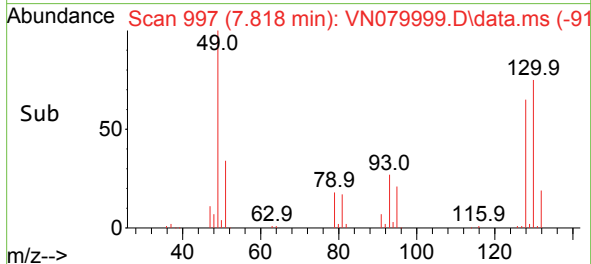


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079999.D
Acq: 08 Nov 2023 18:45

Instrument :
MSVOA_N
ClientSampleId :

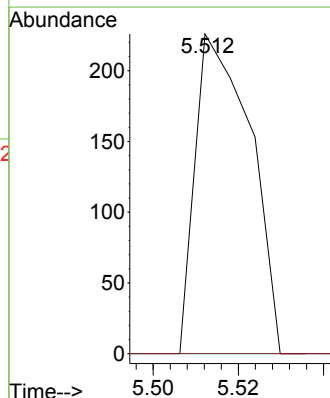
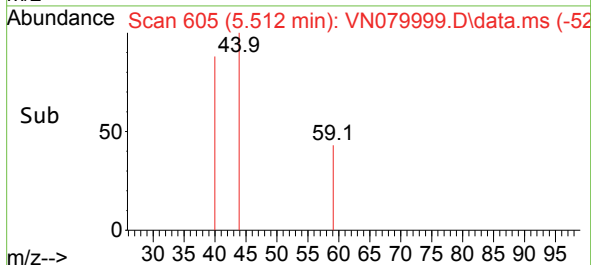
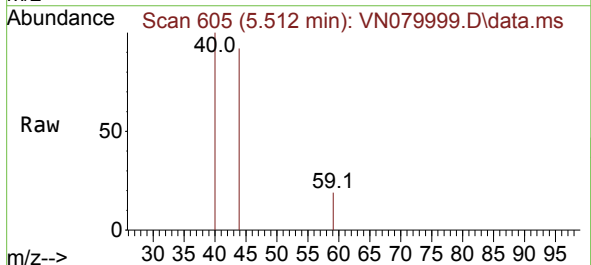


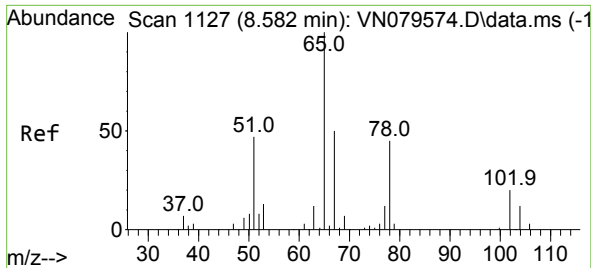
Tgt Ion:128 Resp: 79957
Ion Ratio Lower Upper
128 100
49 176.7 0.0 468.5
130 124.2 0.0 320.7



#23
tert-Butyl Alcohol
Concen: 0.297 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN079999.D
Acq: 08 Nov 2023 18:45

Tgt Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 30.359 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN079999.D

Acq: 08 Nov 2023 18:45

Instrument :

MSVOA_N

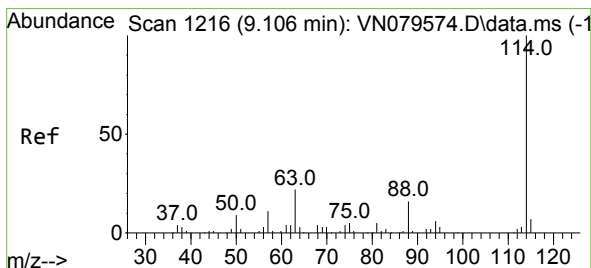
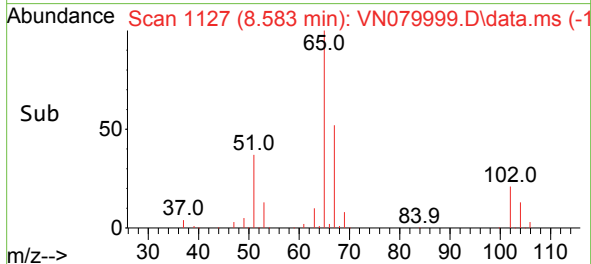
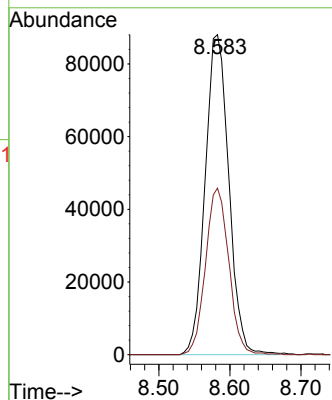
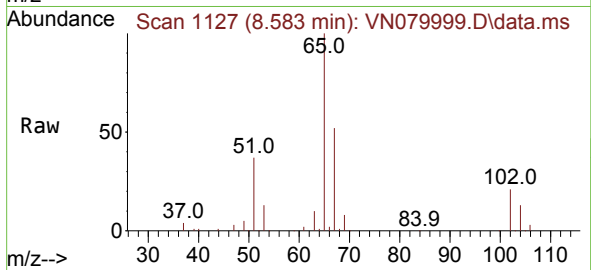
ClientSampleId :

Tgt Ion: 65 Resp: 203763

Ion Ratio Lower Upper

65 100

67 51.0 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079999.D

Acq: 08 Nov 2023 18:45

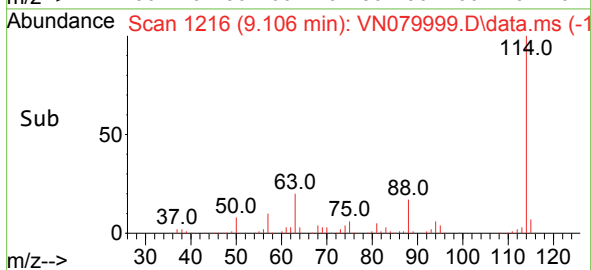
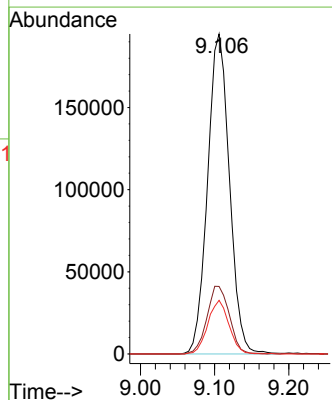
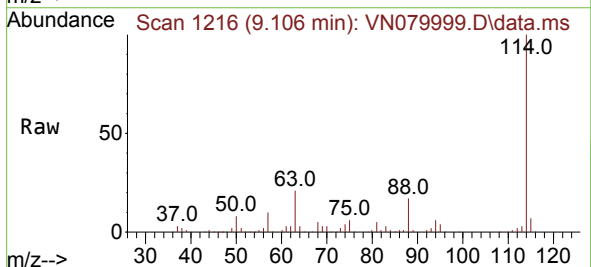
Tgt Ion: 114 Resp: 399491

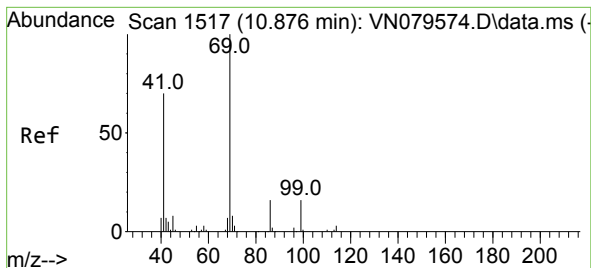
Ion Ratio Lower Upper

114 100

63 21.7 18.1 27.1

88 16.1 12.2 18.2





#51

Ethyl methacrylate

Concen: 0.275 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.299 min

Lab File: VN079999.D

Acq: 08 Nov 2023 18:45

Instrument :

MSVOA_N

ClientSampleId :

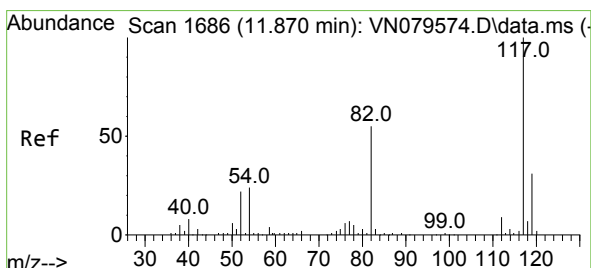
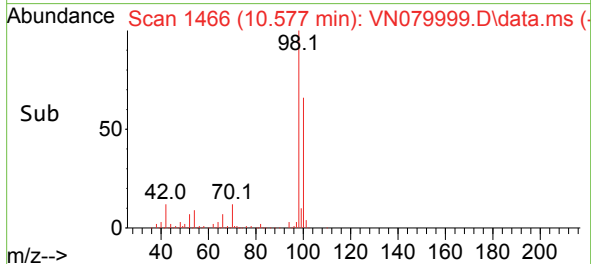
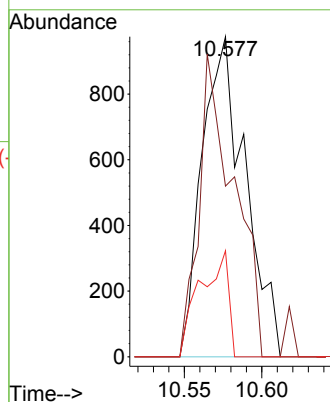
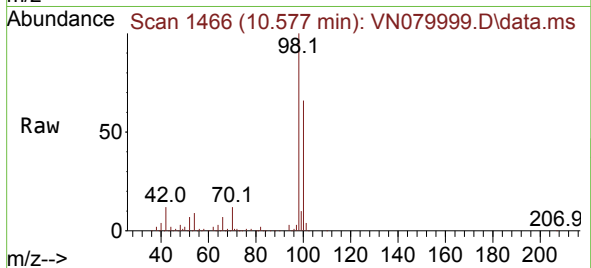
Tgt Ion: 69 Resp: 1881

Ion Ratio Lower Upper

69 100

41 53.3 33.8 101.3

39 33.1 21.3 63.9



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.001 min

Lab File: VN079999.D

Acq: 08 Nov 2023 18:45

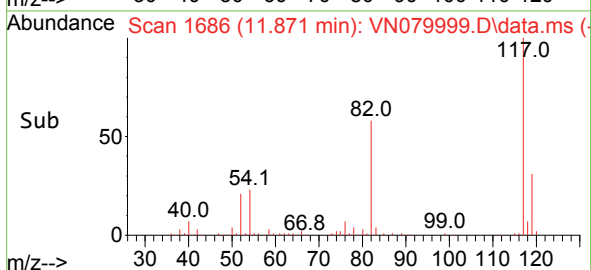
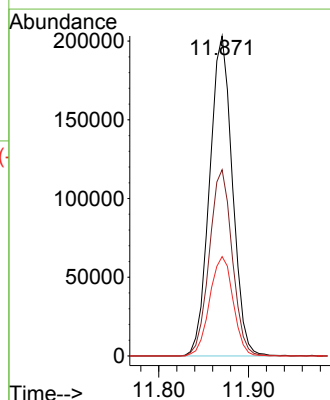
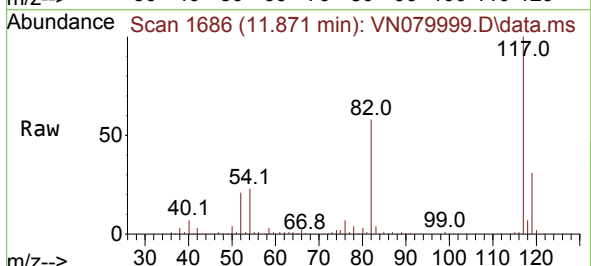
Tgt Ion: 117 Resp: 358565

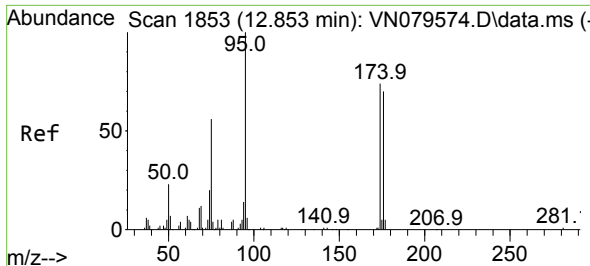
Ion Ratio Lower Upper

117 100

82 58.6 46.2 69.2

119 31.9 25.2 37.8

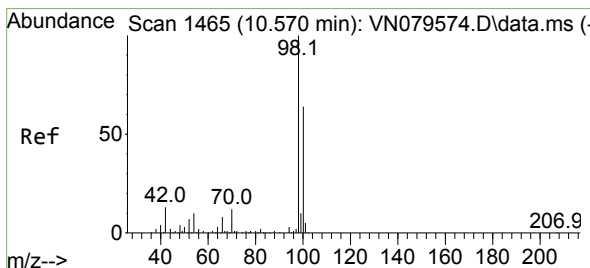
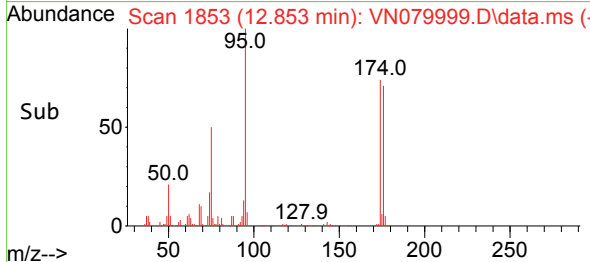
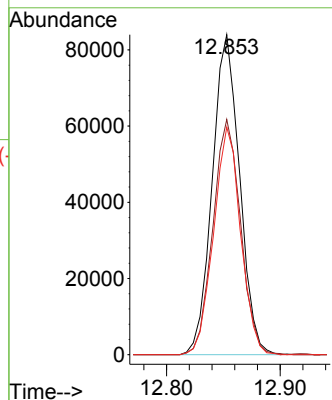
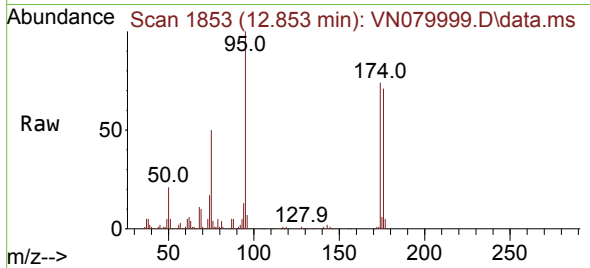




#60
4-Bromofluorobenzene
Concen: 24.503 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079999.D
Acq: 08 Nov 2023 18:45

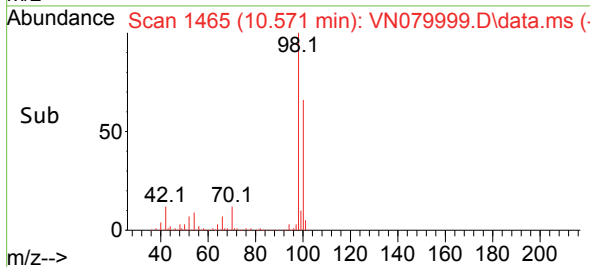
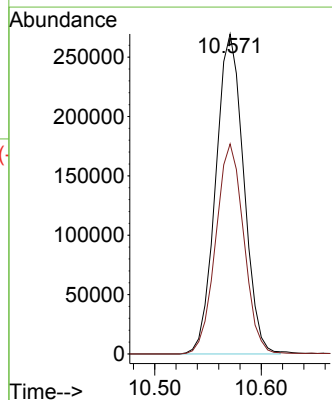
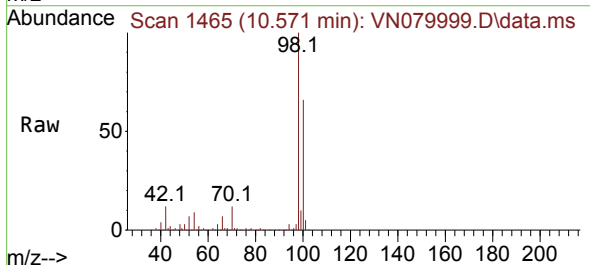
Instrument :
MSVOA_N
ClientSampleId :

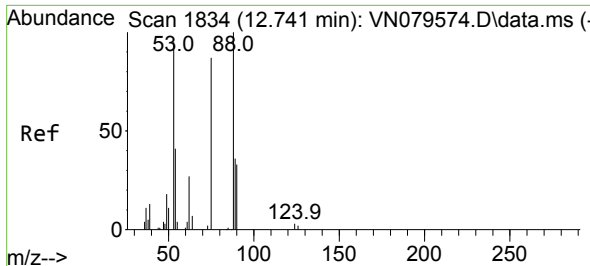
Tgt Ion: 95 Resp: 140500
Ion Ratio Lower Upper
95 100
174 74.3 60.5 90.7
176 70.3 57.2 85.8



#63
Toluene-d8
Concen: 28.882 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN079999.D
Acq: 08 Nov 2023 18:45

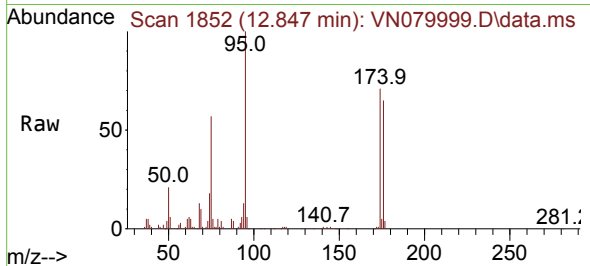
Tgt Ion: 98 Resp: 490698
Ion Ratio Lower Upper
98 100
100 66.0 51.6 77.4



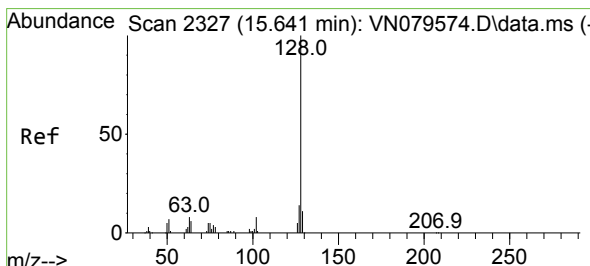
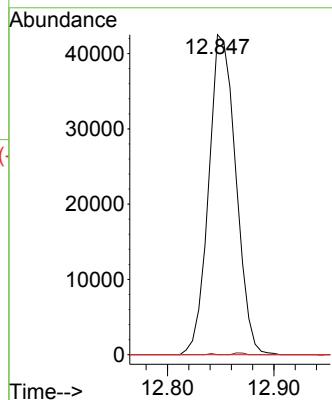
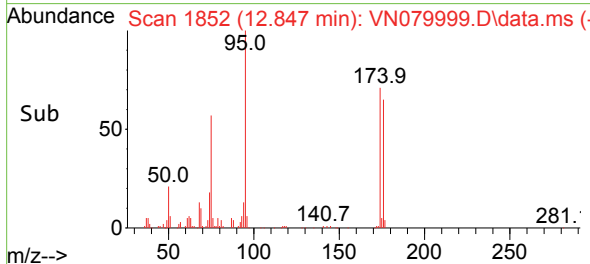


#77
t-1,4-Dichloro-2-butene
Concen: 37.488 ug/l
RT: 12.847 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN079999.D
Acq: 08 Nov 2023 18:45

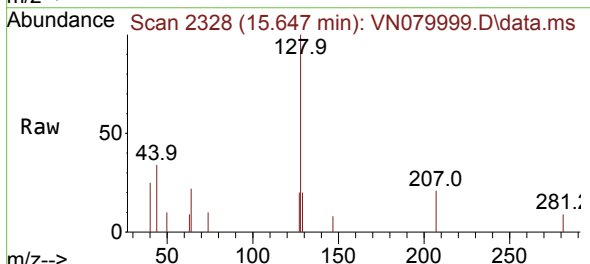
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 75355
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#



#91
Naphthalene
Concen: 0.222 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN079999.D
Acq: 08 Nov 2023 18:45



Tgt Ion: 128 Resp: 2743
Ion Ratio Lower Upper
128 100
127 10.1 10.9 16.3#
129 7.4 8.6 12.8#

