

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092223\
 Data File : VN079333.D
 Acq On : 22 Sep 2023 12:22
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 23 00:41:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

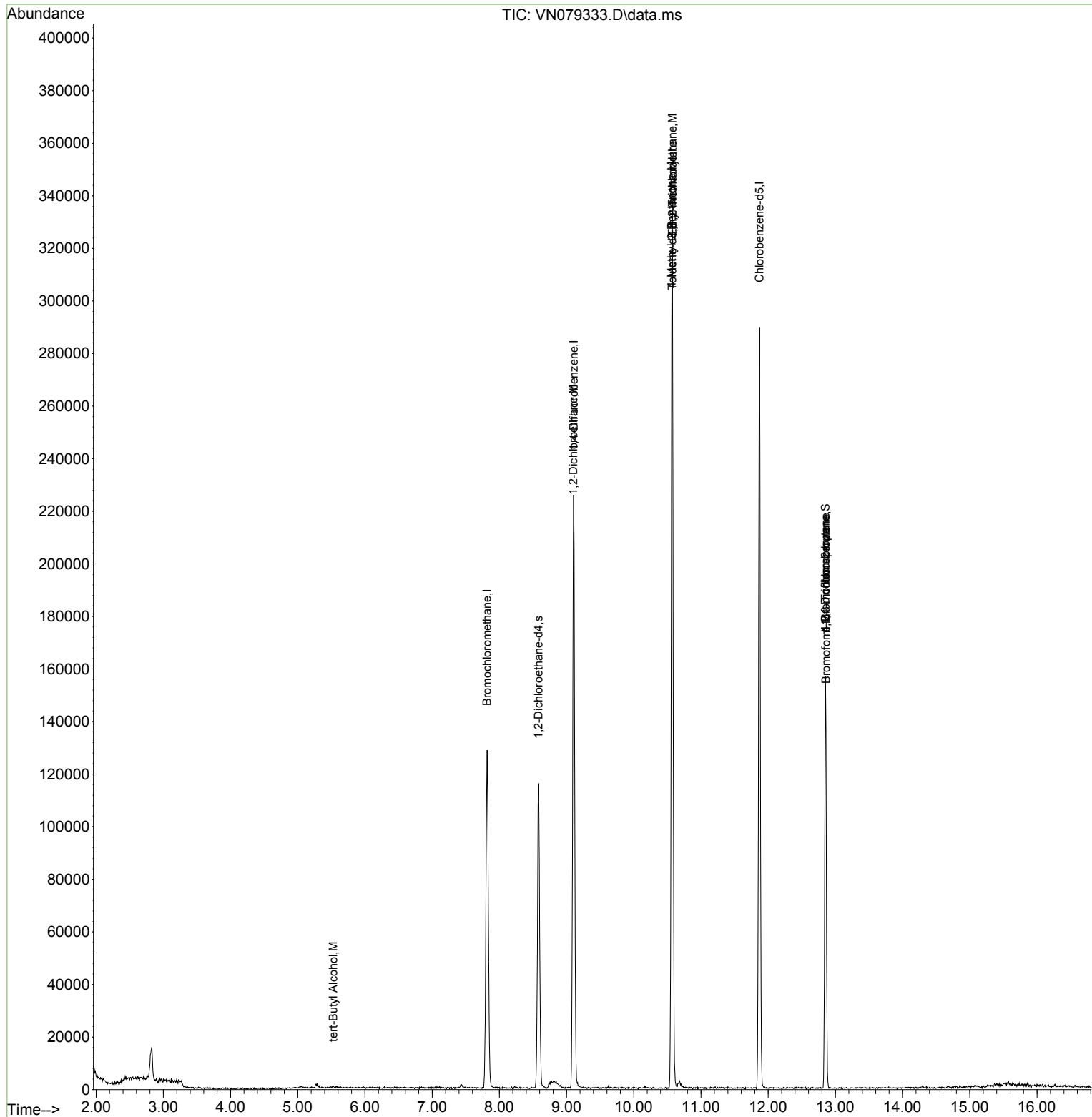
Internal Standards						
1) Bromochloromethane	7.818	128	42557	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	185623	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	161942	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	91948	28.758	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.867%		
60) 4-Bromofluorobenzene	12.853	95	51828	21.721	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	72.400%		
63) Toluene-d8	10.571	98	228189	30.151	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.500%		
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	5.530	59	321	0.815	ug/l #	100
36) 1,2-Dichloroethane	9.100	62	7477	2.398	ug/l #	73
50) 1,1,2-Trichloroethane	10.576	97	7826	3.468	ug/l #	1
51) Ethyl methacrylate	10.576	69	744	0.213	ug/l #	48
56) Bromoform	12.859	173	598	0.363	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	711	0.239	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	28853	10.468	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	28853	29.733	ug/l #	14

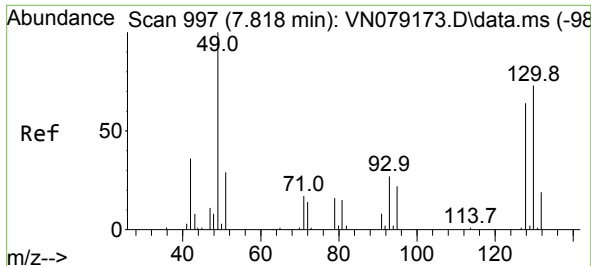
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 997

Delta R.T. -0.000 min

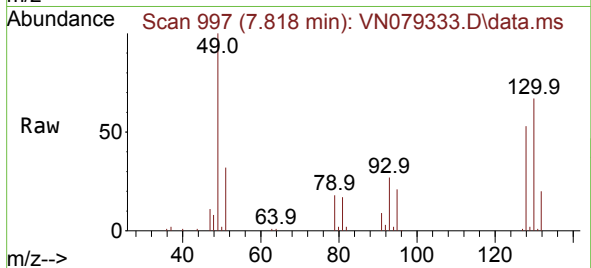
Lab File: VN079333.D

Acq: 22 Sep 2023 12:22

Instrument :

MSVOA_N

ClientSampleId :



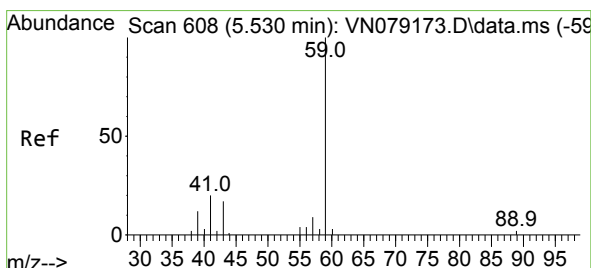
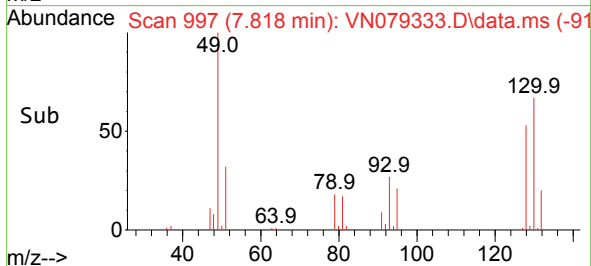
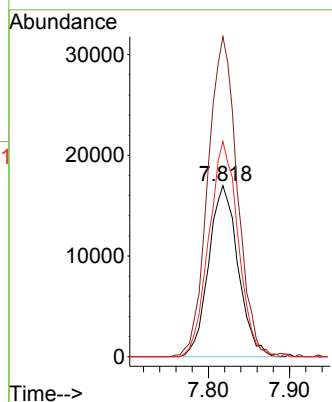
Tgt Ion:128 Resp: 42557

Ion Ratio Lower Upper

128 100

49 187.7 0.0 414.3

130 125.8 0.0 311.0



#23

tert-Butyl Alcohol

Concen: 0.815 ug/l

RT: 5.530 min Scan# 608

Delta R.T. -0.000 min

Lab File: VN079333.D

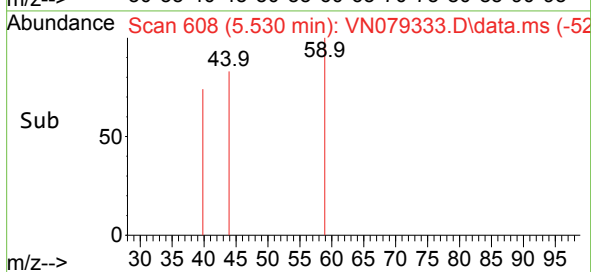
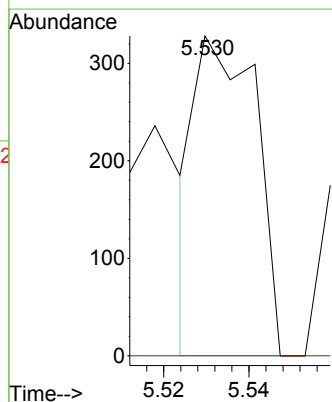
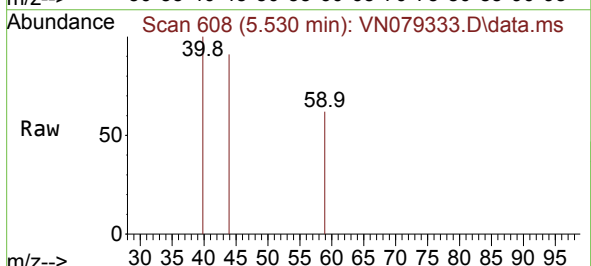
Acq: 22 Sep 2023 12:22

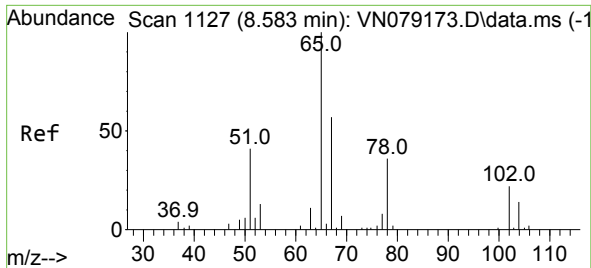
Tgt Ion: 59 Resp: 321

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

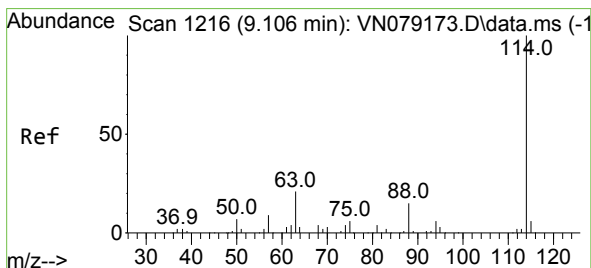
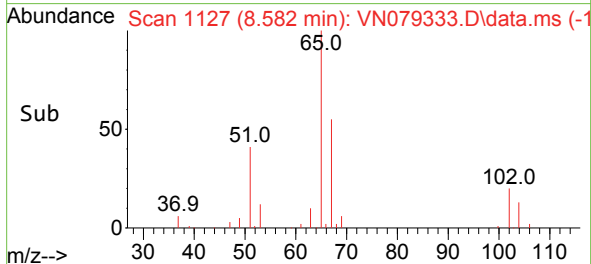
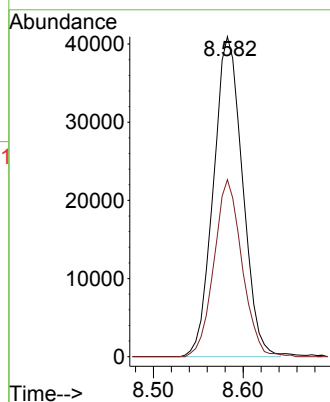
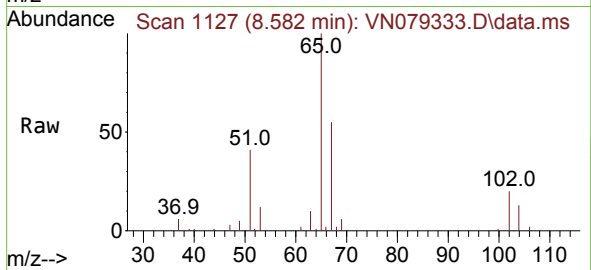




#27
1,2-Dichloroethane-d4
Concen: 28.758 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079333.D
Acq: 22 Sep 2023 12:22

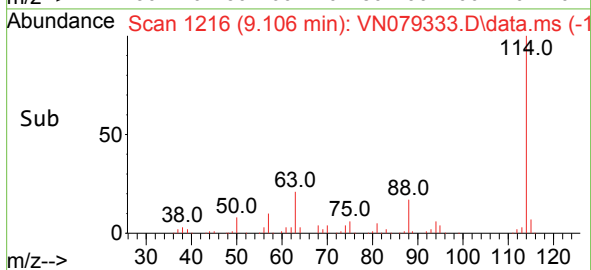
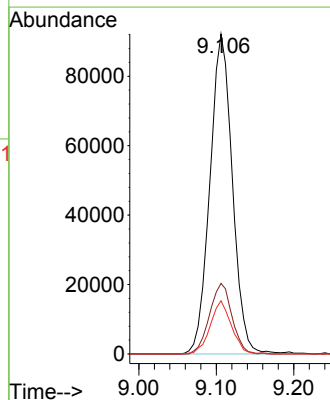
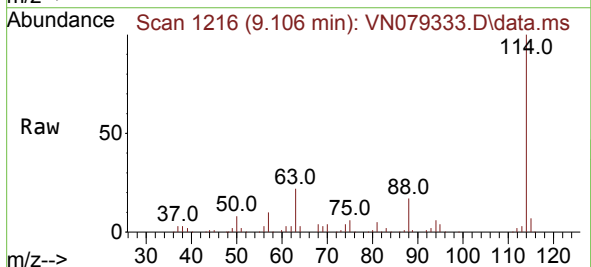
Instrument :
MSVOA_N
ClientSampleId :

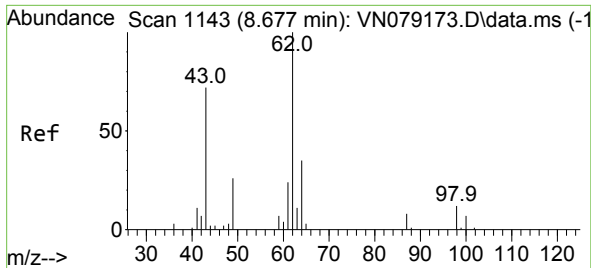
Tgt Ion: 65 Resp: 91948
Ion Ratio Lower Upper
65 100
67 53.4 44.4 66.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079333.D
Acq: 22 Sep 2023 12:22

Tgt Ion: 114 Resp: 185623
Ion Ratio Lower Upper
114 100
63 21.9 17.0 25.4
88 15.6 12.8 19.2





#36

1,2-Dichloroethane

Concen: 2.398 ug/l

RT: 9.100 min Scan# 1143

Delta R.T. 0.423 min

Lab File: VN079333.D

Acq: 22 Sep 2023 12:22

Instrument :

MSVOA_N

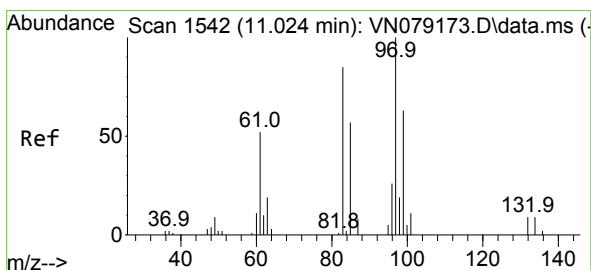
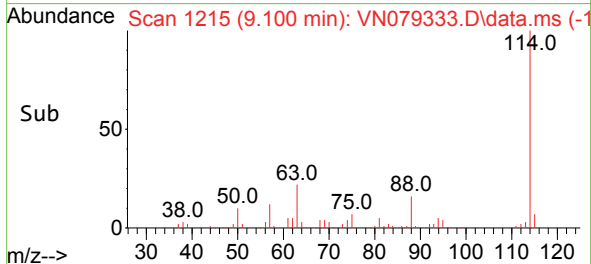
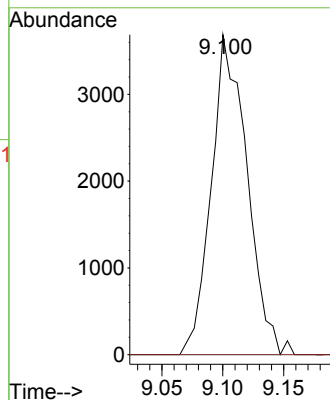
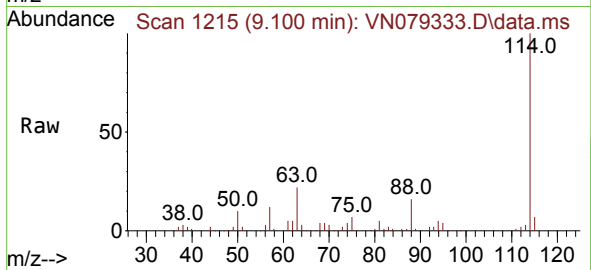
ClientSampleId :

Tgt Ion: 62 Resp: 7477

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#



#50

1,1,2-Trichloroethane

Concen: 3.468 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.448 min

Lab File: VN079333.D

Acq: 22 Sep 2023 12:22

Tgt Ion: 97 Resp: 7826

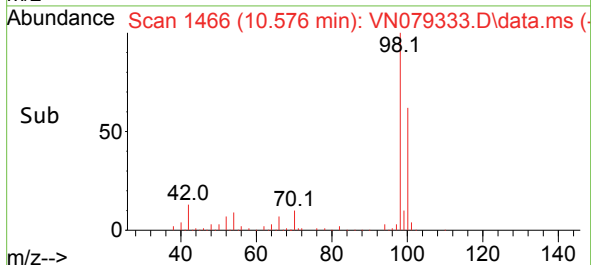
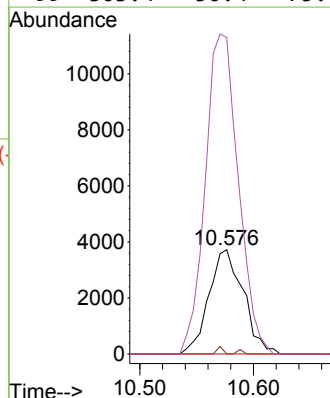
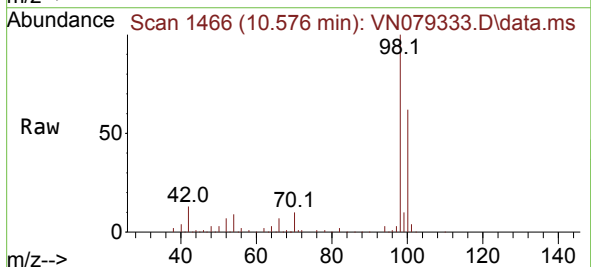
Ion Ratio Lower Upper

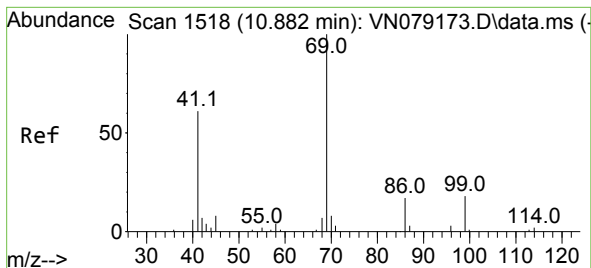
97 100

83 0.0 68.9 103.3#

85 0.0 45.3 67.9#

99 303.4 50.4 75.6#





#51

Ethyl methacrylate

Concen: 0.213 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.306 min

Lab File: VN079333.D

Acq: 22 Sep 2023 12:22

Instrument :

MSVOA_N

ClientSampleId :

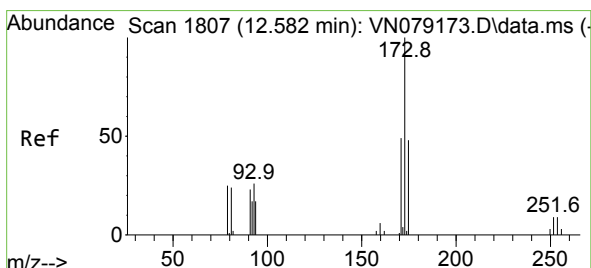
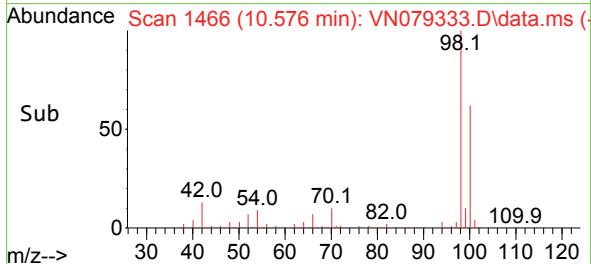
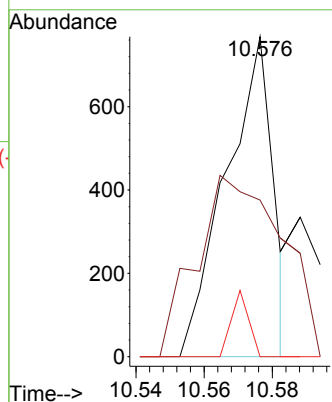
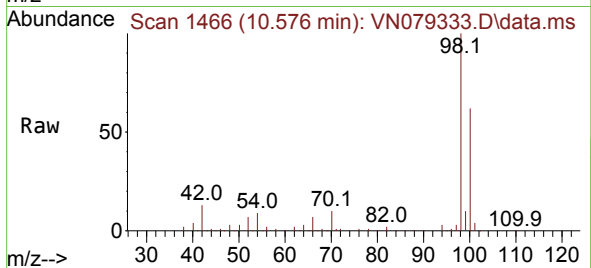
Tgt Ion: 69 Resp: 744

Ion Ratio Lower Upper

69 100

41 21.4 30.3 90.9#

39 0.0 13.4 40.1#



#56

Bromoform

Concen: 0.363 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.277 min

Lab File: VN079333.D

Acq: 22 Sep 2023 12:22

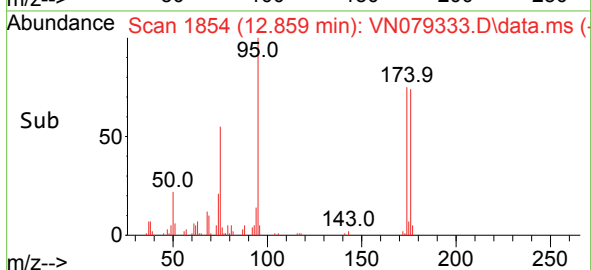
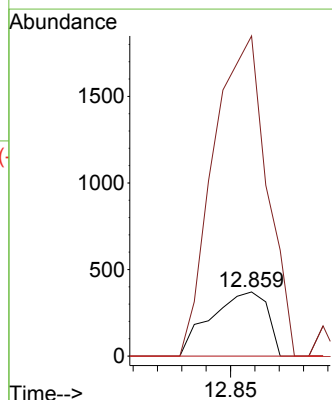
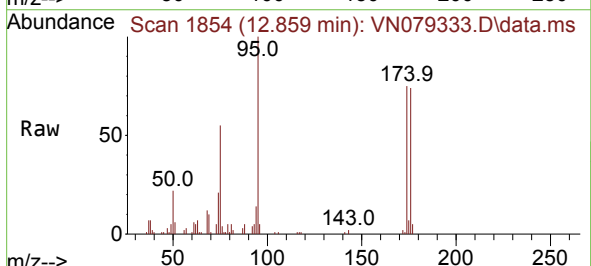
Tgt Ion:173 Resp: 598

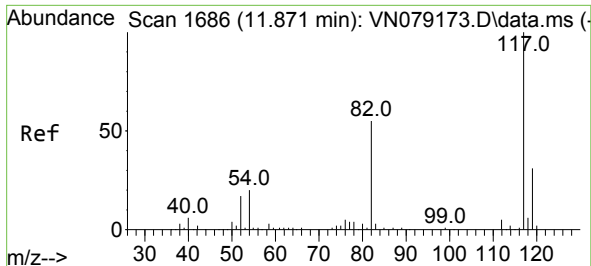
Ion Ratio Lower Upper

173 100

175 472.2 37.6 56.4#

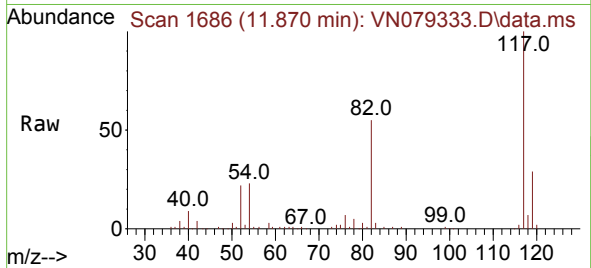
254 0.0 7.8 11.8#



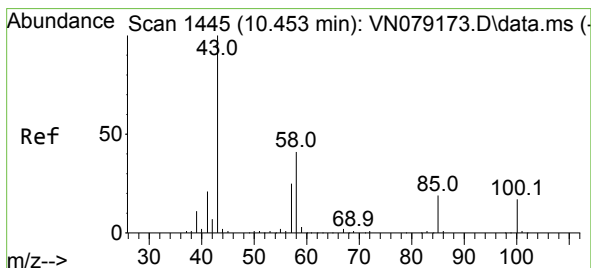
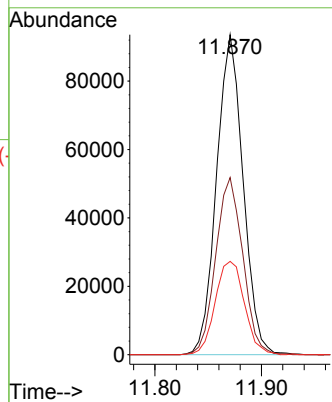
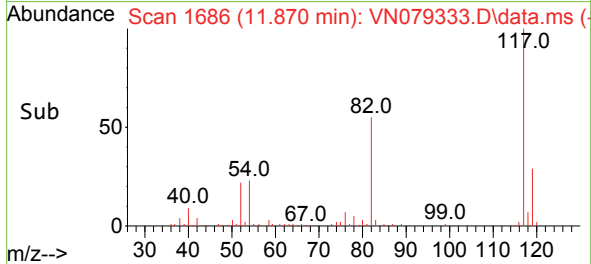


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN079333.D
Acq: 22 Sep 2023 12:22

Instrument :
MSVOA_N
ClientSampleId :

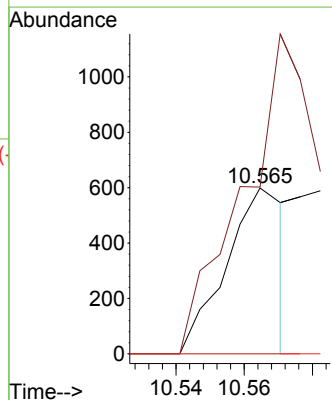
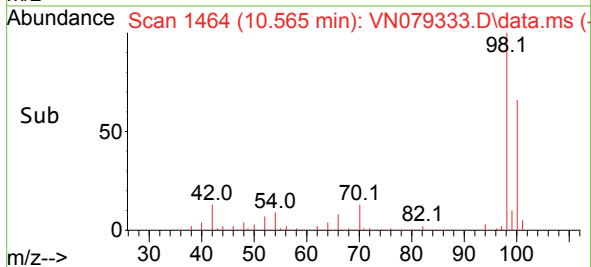
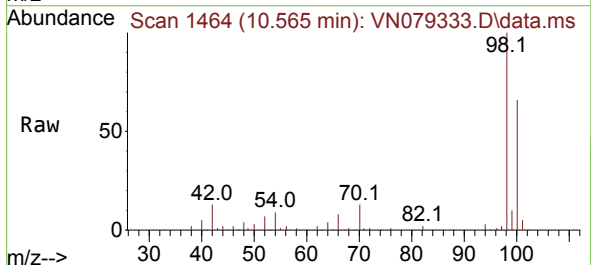


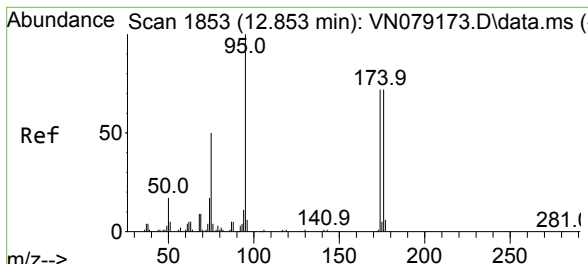
Tgt Ion:117 Resp: 161942
Ion Ratio Lower Upper
117 100
82 56.4 44.7 67.1
119 32.1 24.9 37.3



#58
4-Methyl-2-Pentanone
Concen: 0.239 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.112 min
Lab File: VN079333.D
Acq: 22 Sep 2023 12:22

Tgt Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
58 263.7 33.6 50.4#
85 0.0 15.0 22.4#

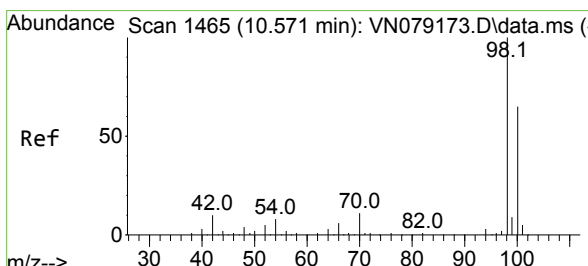
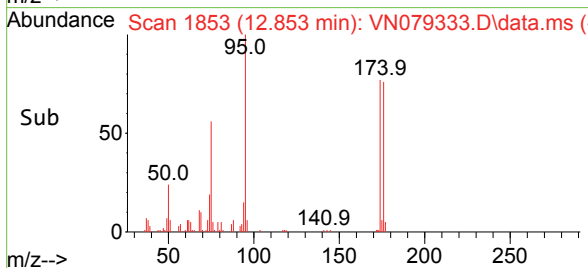
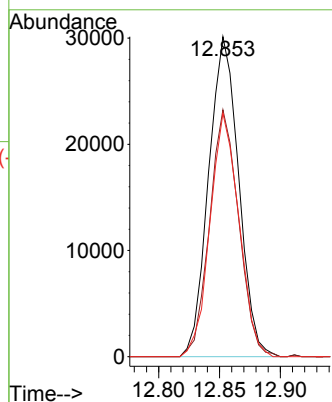
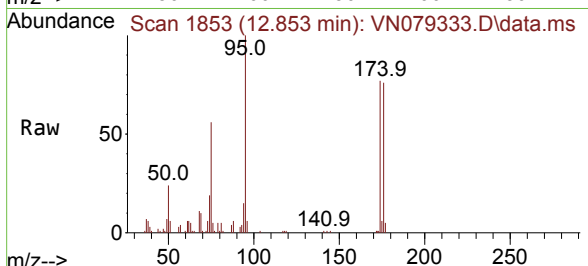




#60
4-Bromofluorobenzene
Concen: 21.721 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079333.D
Acq: 22 Sep 2023 12:22

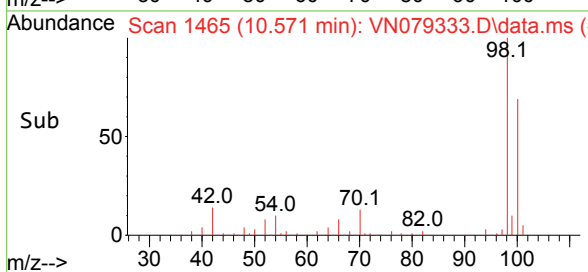
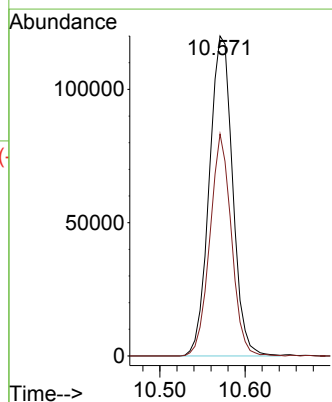
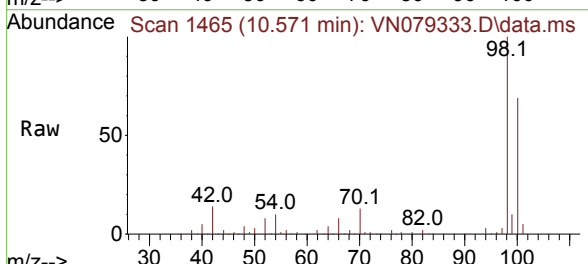
Instrument :
MSVOA_N
ClientSampleId :

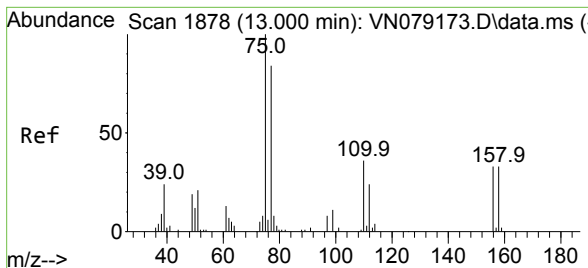
Tgt Ion: 95 Resp: 51828
Ion Ratio Lower Upper
95 100
174 74.6 59.5 89.3
176 73.1 59.1 88.7



#63
Toluene-d8
Concen: 30.151 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079333.D
Acq: 22 Sep 2023 12:22

Tgt Ion: 98 Resp: 228189
Ion Ratio Lower Upper
98 100
100 63.9 52.5 78.7





#72

1,2,3-Trichloropropane

Concen: 10.468 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079333.D

Acq: 22 Sep 2023 12:22

Instrument :

MSVOA_N

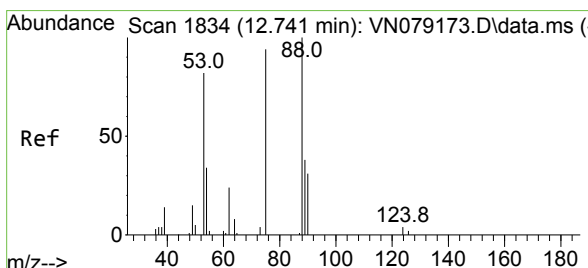
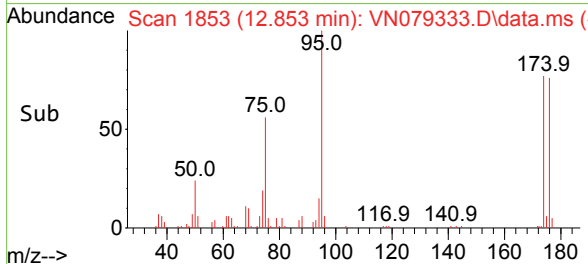
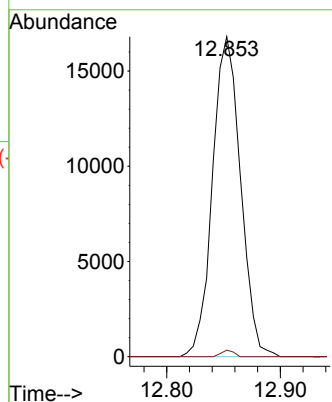
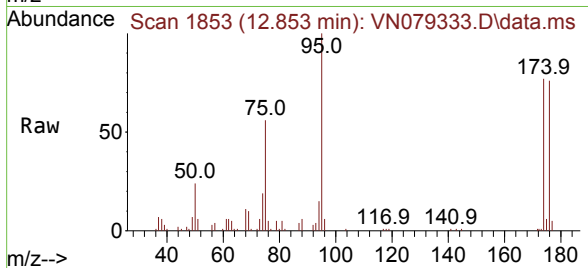
ClientSampleId :

Tgt Ion: 75 Resp: 28853

Ion Ratio Lower Upper

75 100

77 0.9 0.0 252.2



#77

t-1,4-Dichloro-2-butene

Concen: 29.733 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079333.D

Acq: 22 Sep 2023 12:22

Tgt Ion: 75 Resp: 28853

Ion Ratio Lower Upper

75 100

53 0.0 44.1 132.4#

89 0.0 22.4 67.3#

