

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077069.D
 Acq On : 20 Mar 2023 15:29
 Operator : JC\MD
 Sample : 01941-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT180D-20230313

Quant Time: Mar 21 05:37:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

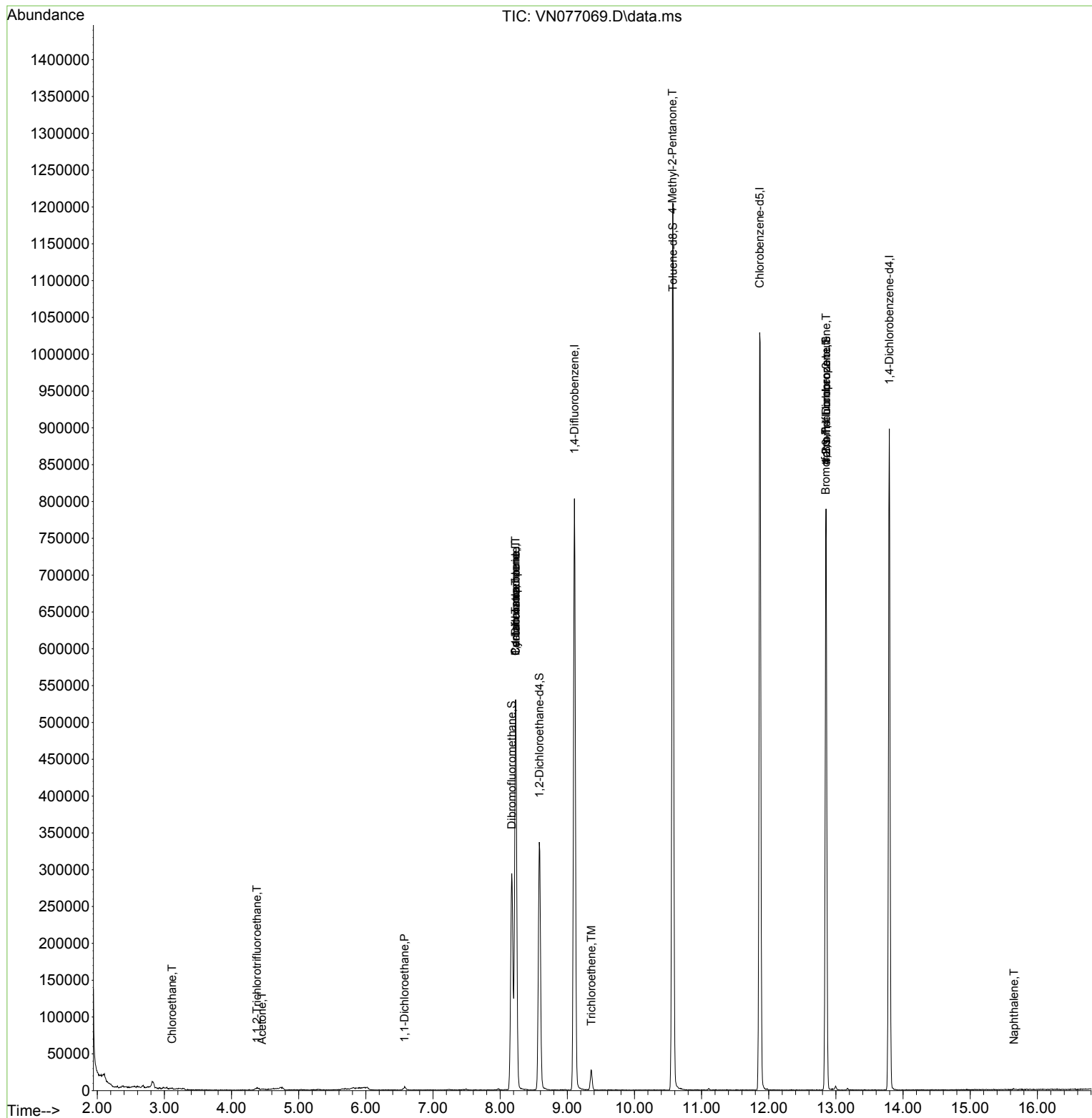
Internal Standards						
1) Pentafluorobenzene	8.230	168	367287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	666129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	599872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	231438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	279312	47.609	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.220%		
35) Dibromofluoromethane	8.172	113	215710	46.240	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.480%		
50) Toluene-d8	10.571	98	817941	49.084	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.160%		
62) 4-Bromofluorobenzene	12.854	95	280552	47.645	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.280%		
Target Compounds						Qvalue
6) Chloroethane	3.113	64	832	0.329	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.378	101	1170	0.240	ug/l #	82
16) Acetone	4.454	43	1290	0.493	ug/l #	43
24) 1,1-Dichloroethane	6.577	63	6287	0.614	ug/l #	84
31) Cyclohexane	8.230	56	9128	0.951	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	33891	4.651	ug/l #	51
38) Carbon Tetrachloride	8.230	117	40254	5.672	ug/l #	15
44) Trichloroethene	9.360	130	9081	1.789	ug/l	93
51) 4-Methyl-2-Pentanone	10.565	43	3482	0.459	ug/l #	1
71) Bromoform	12.848	173	1515	0.438	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	147104	24.573	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	147104	67.638	ug/l #	10
95) Naphthalene	15.653	128	793	1.962	ug/l #	70

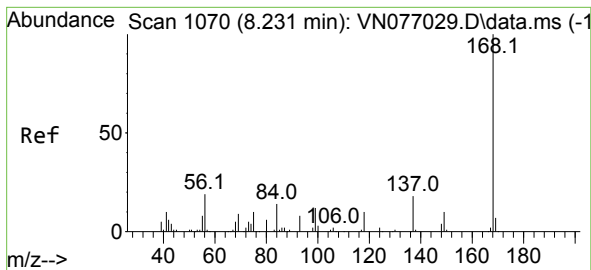
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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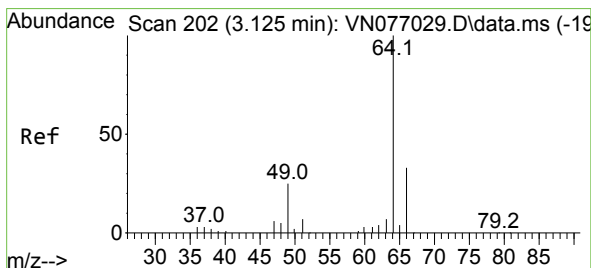
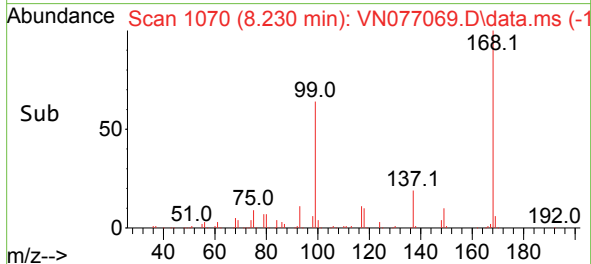
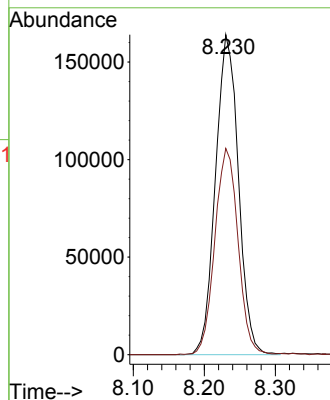
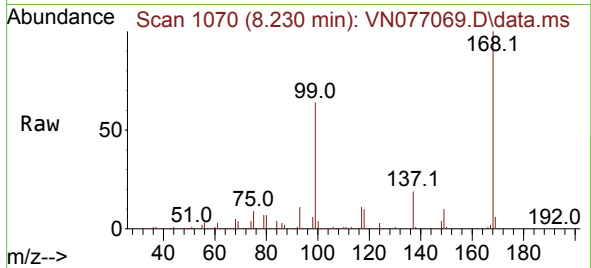




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

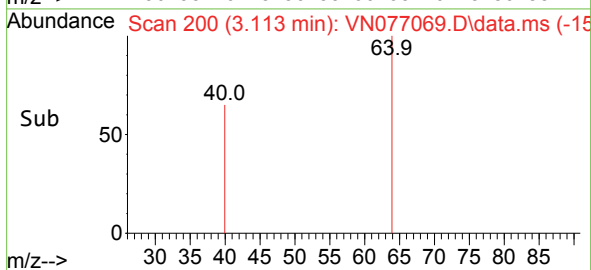
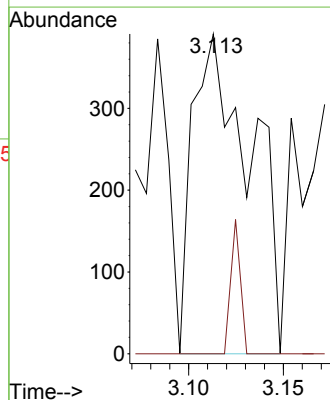
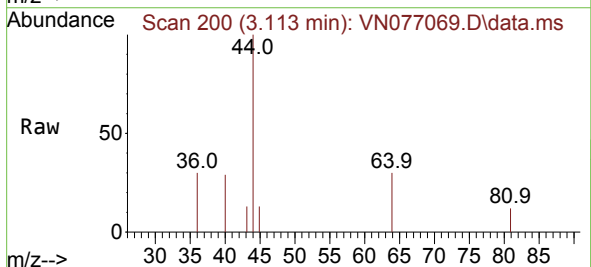
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

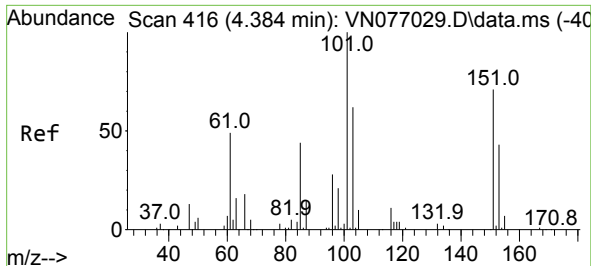
Tgt Ion:168 Resp: 367287
Ion Ratio Lower Upper
168 100
99 64.3 53.9 80.9



#6
Chloroethane
Concen: 0.329 ug/l
RT: 3.113 min Scan# 200
Delta R.T. -0.012 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

Tgt Ion: 64 Resp: 832
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

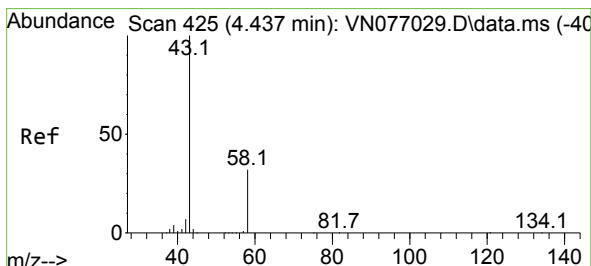
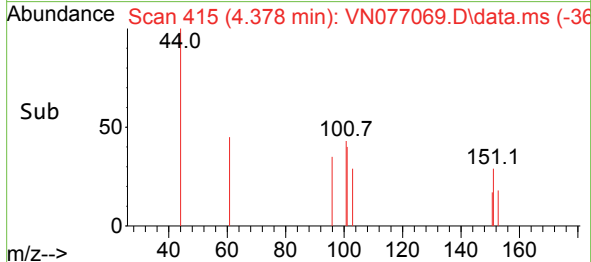
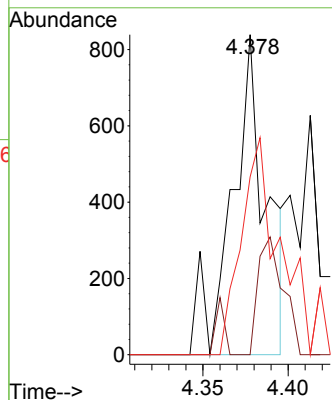
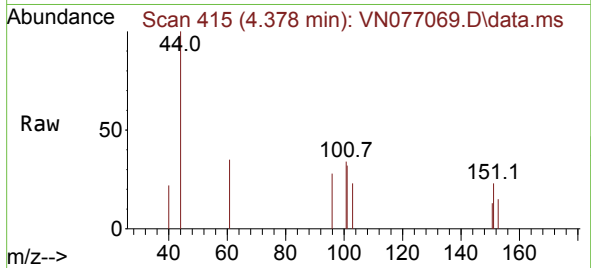




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.240 ug/l
RT: 4.378 min Scan# 416
Delta R.T. -0.006 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

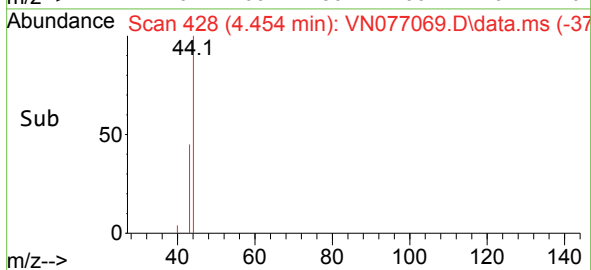
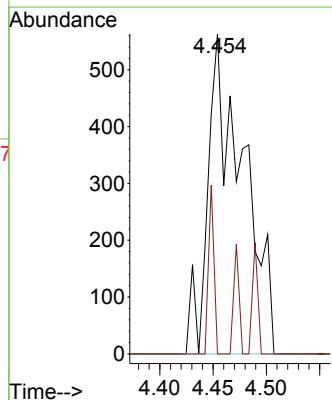
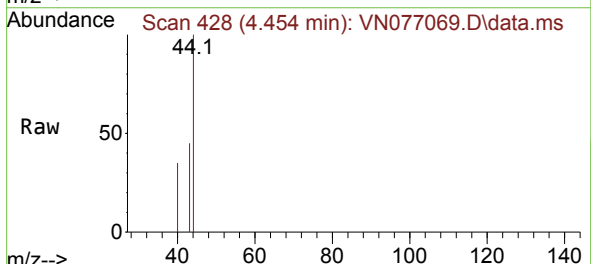
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

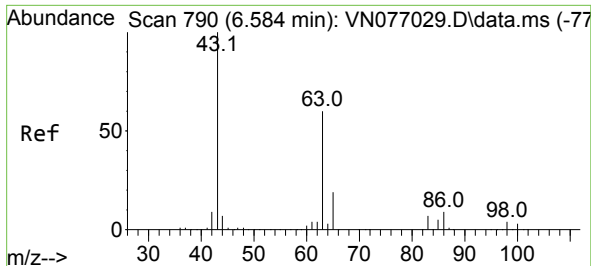
Tgt Ion:101 Resp: 1170
Ion Ratio Lower Upper
101 100
85 27.0 36.6 55.0#
151 80.1 56.9 85.3



#16
Acetone
Concen: 0.493 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.017 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#





#24

1,1-Dichloroethane

Concen: 0.614 ug/l

RT: 6.577 min Scan# 71

Delta R.T. -0.006 min

Lab File: VN077069.D

Acq: 20 Mar 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

TT180D-20230313

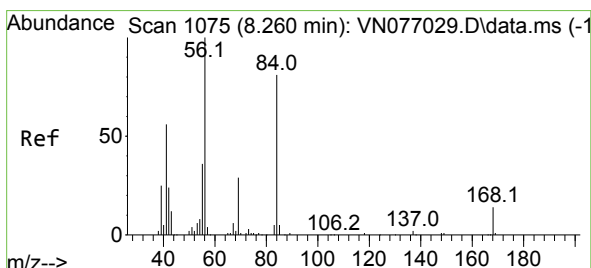
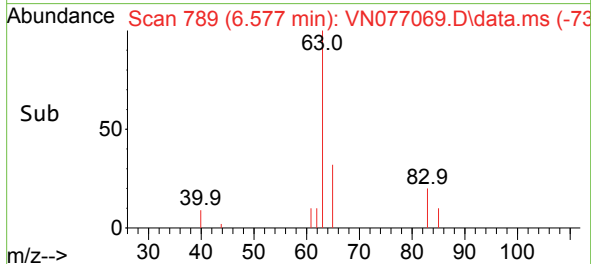
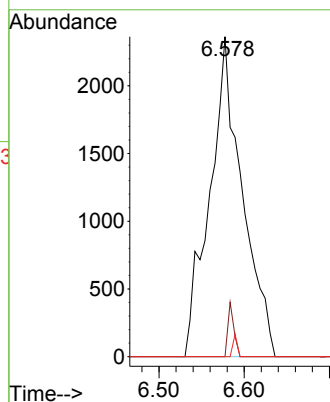
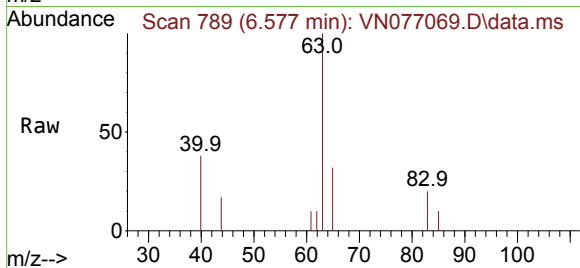
Tgt Ion: 63 Resp: 6287

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

100 0.0 2.1 6.3#



#31

Cyclohexane

Concen: 0.951 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.030 min

Lab File: VN077069.D

Acq: 20 Mar 2023 15:29

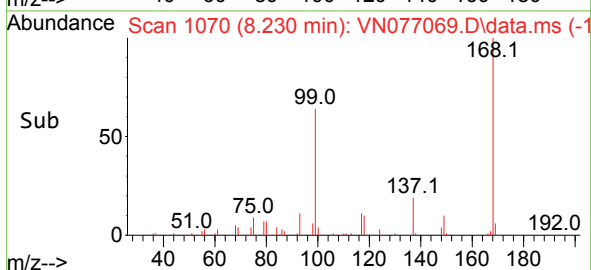
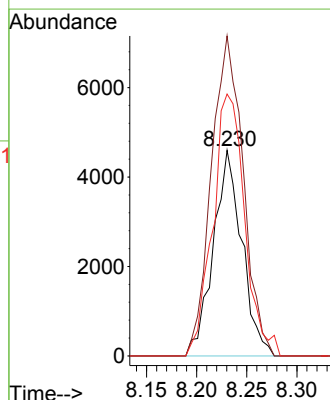
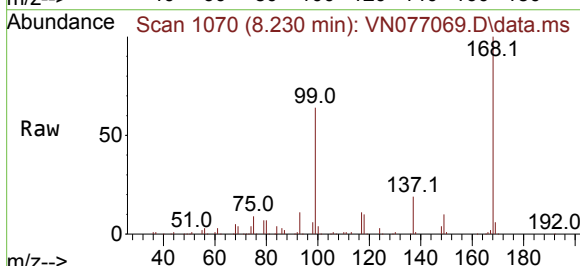
Tgt Ion: 56 Resp: 9128

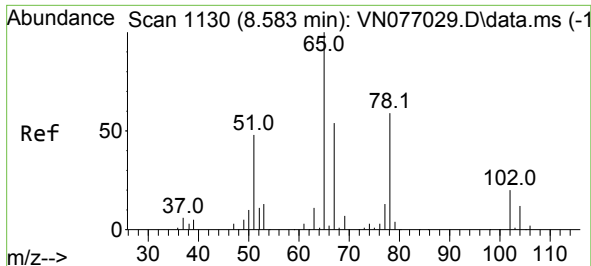
Ion Ratio Lower Upper

56 100

69 155.7 22.8 34.2#

84 127.4 64.7 97.1#





#33

1,2-Dichloroethane-d4

Concen: 47.609 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077069.D

Acq: 20 Mar 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

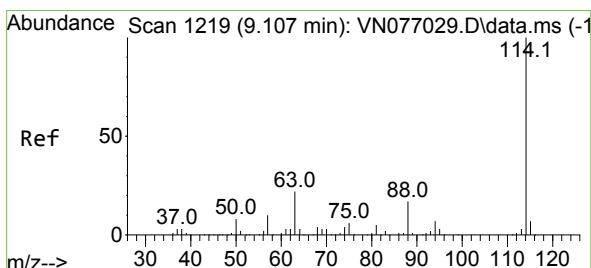
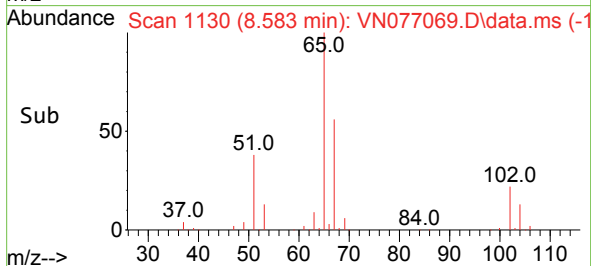
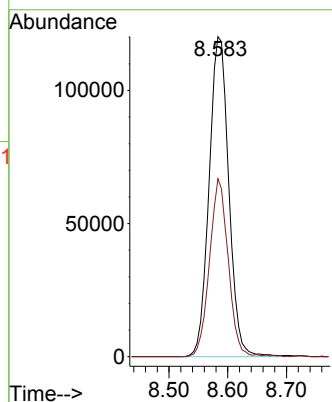
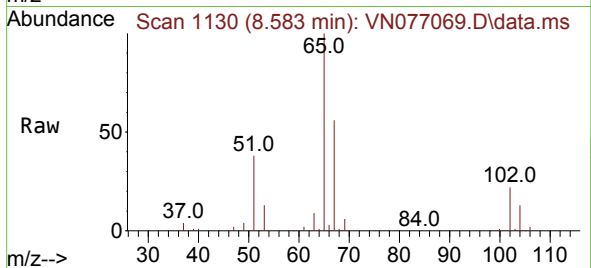
TT180D-20230313

Tgt Ion: 65 Resp: 279312

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077069.D

Acq: 20 Mar 2023 15:29

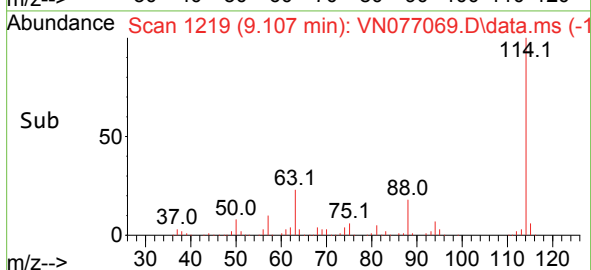
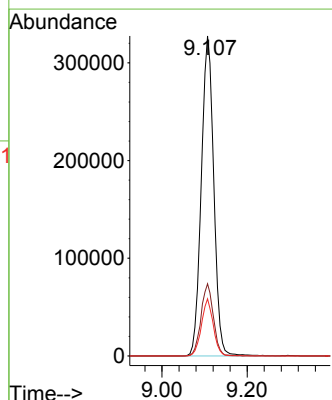
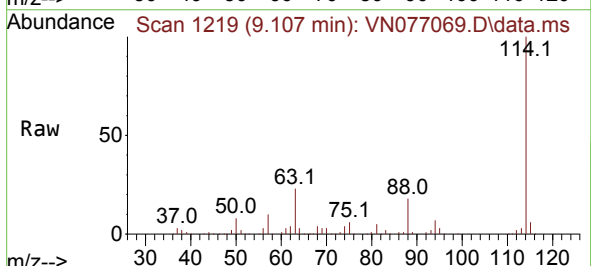
Tgt Ion: 114 Resp: 666129

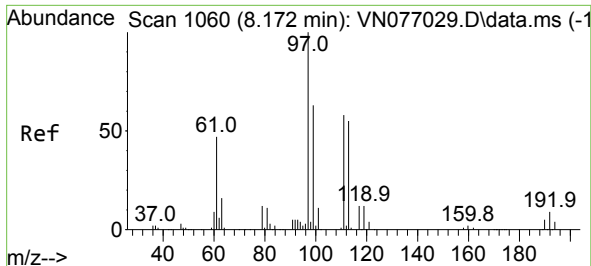
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 17.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 46.240 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077069.D

Acq: 20 Mar 2023 15:29

Instrument :

MSVOA_N

ClientSampleId :

TT180D-20230313

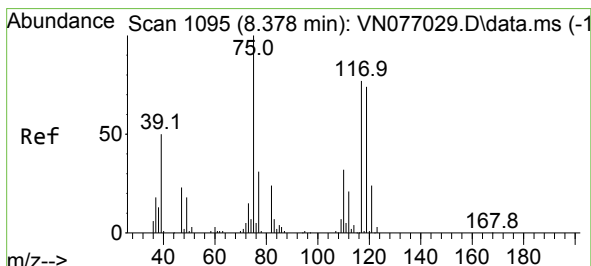
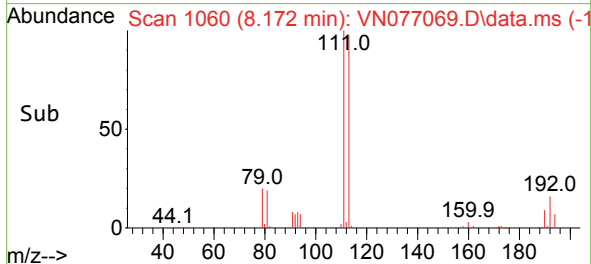
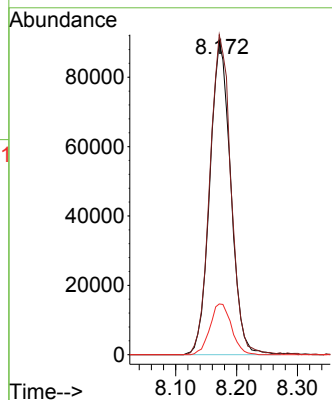
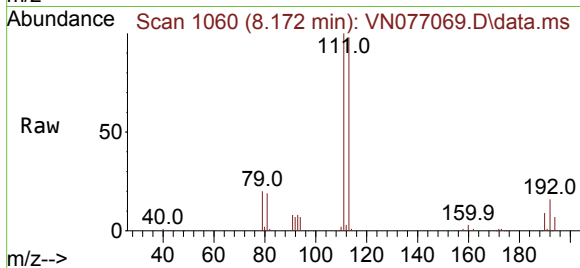
Tgt Ion:113 Resp: 215710

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

192 16.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.651 ug/l

RT: 8.230 min Scan# 1070

Delta R.T. -0.147 min

Lab File: VN077069.D

Acq: 20 Mar 2023 15:29

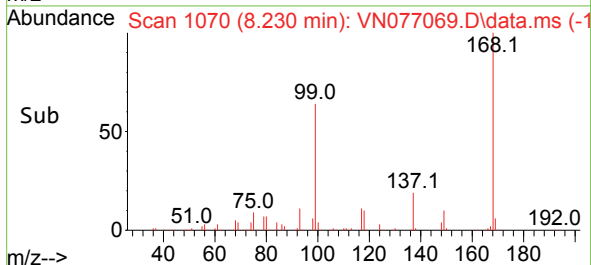
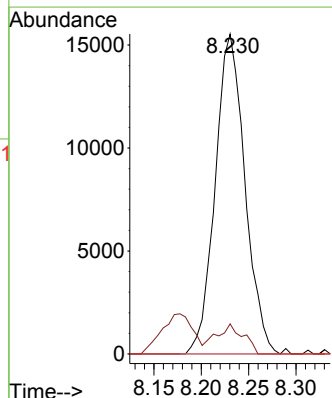
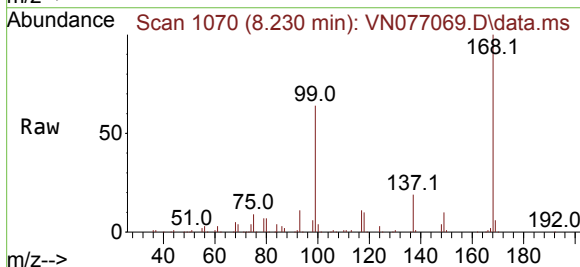
Tgt Ion: 75 Resp: 33891

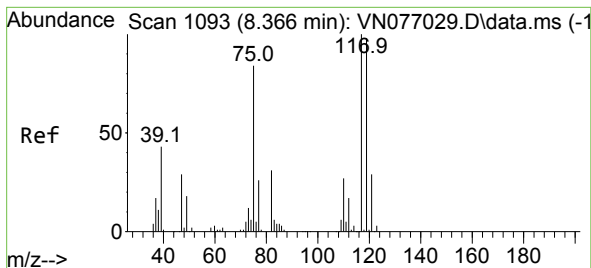
Ion Ratio Lower Upper

75 100

110 8.7 15.9 47.7#

77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.672 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN077069.D

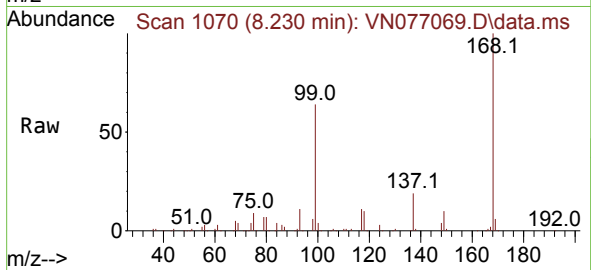
Acq: 20 Mar 2023 15:29

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MSVOA_N

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TT180D-20230313



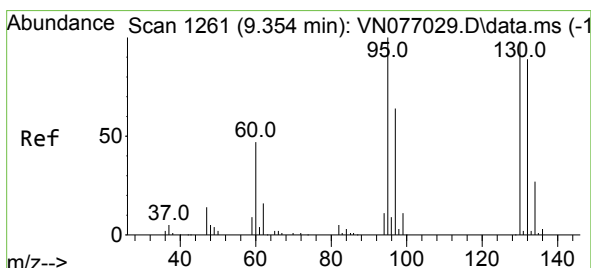
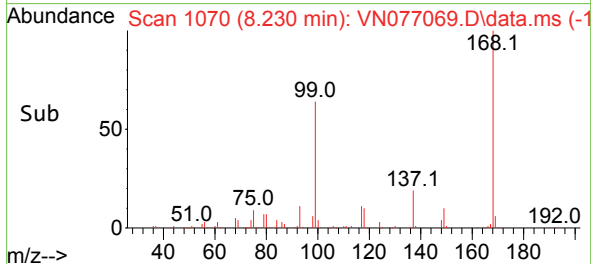
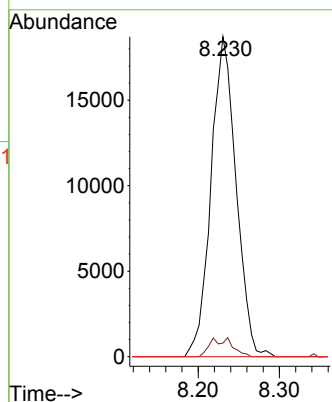
Tgt Ion:117 Resp: 40254

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

121 0.0 23.2 34.8#



#44

Trichloroethene

Concen: 1.789 ug/l

RT: 9.360 min Scan# 1262

Delta R.T. 0.006 min

Lab File: VN077069.D

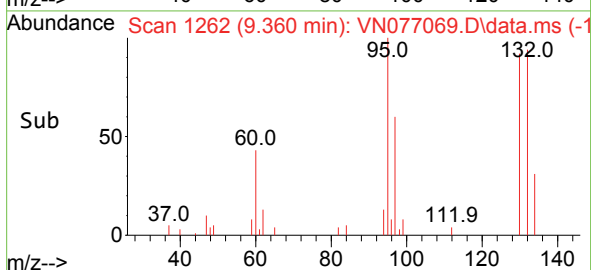
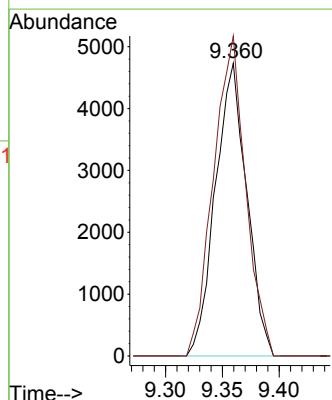
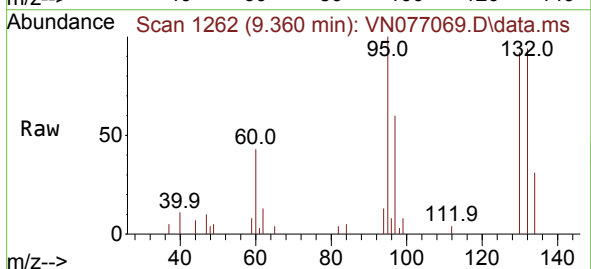
Acq: 20 Mar 2023 15:29

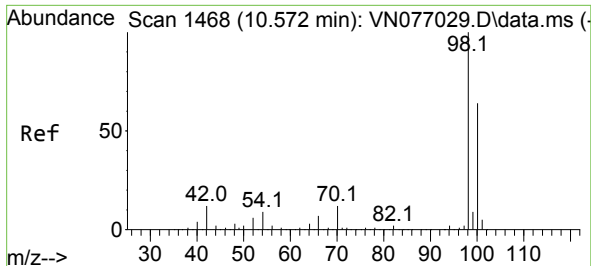
Tgt Ion:130 Resp: 9081

Ion Ratio Lower Upper

130 100

95 109.3 0.0 204.4

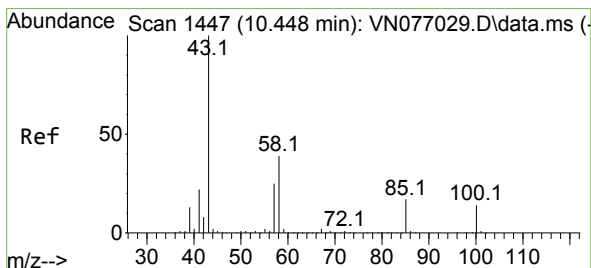
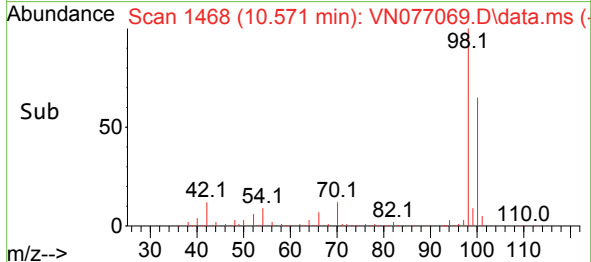
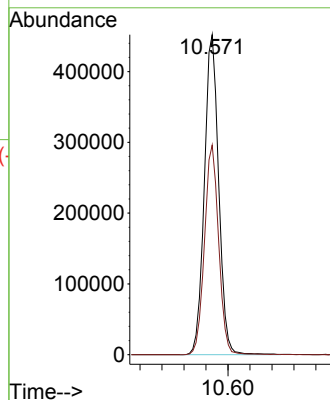
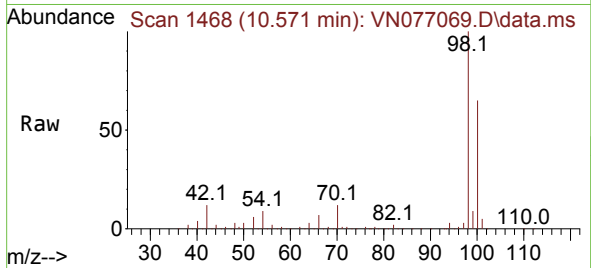




#50
Toluene-d8
Concen: 49.084 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

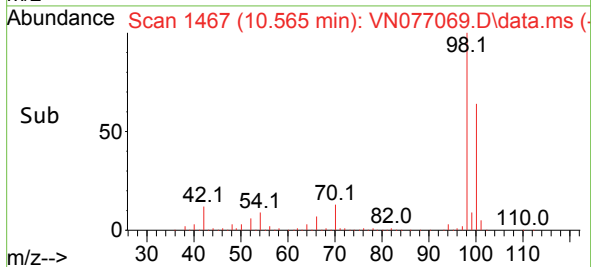
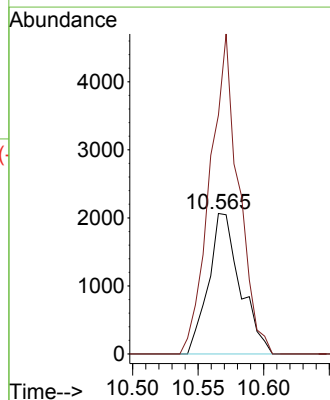
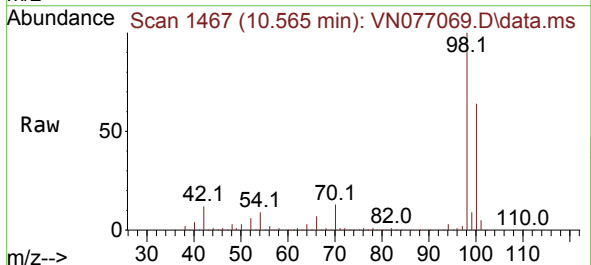
Instrument :
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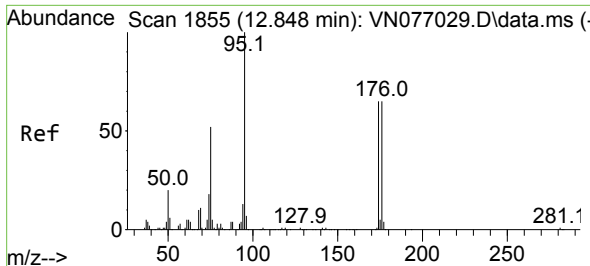
Tgt Ion: 98 Resp: 817941
Ion Ratio Lower Upper
98 100
100 64.7 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.459 ug/l
RT: 10.565 min Scan# 1467
Delta R.T. 0.117 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

Tgt Ion: 43 Resp: 3482
Ion Ratio Lower Upper
43 100
58 206.3 31.1 46.7#

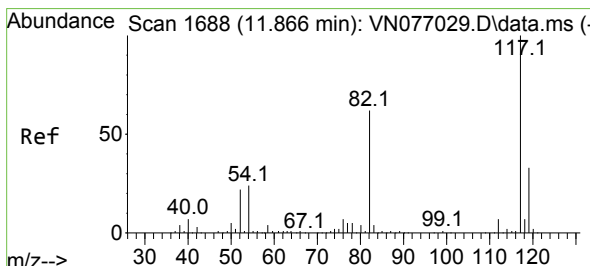
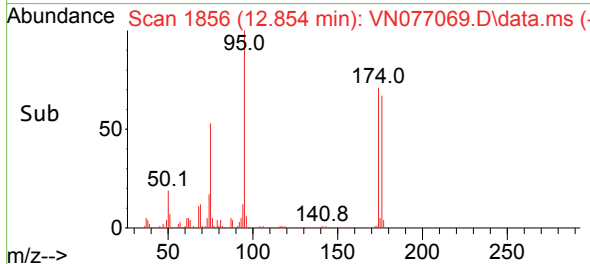
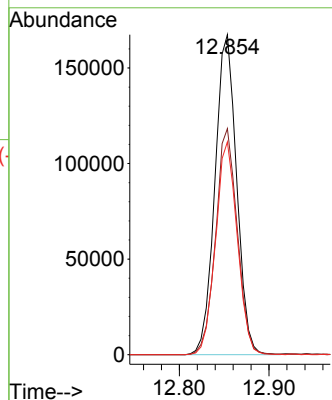
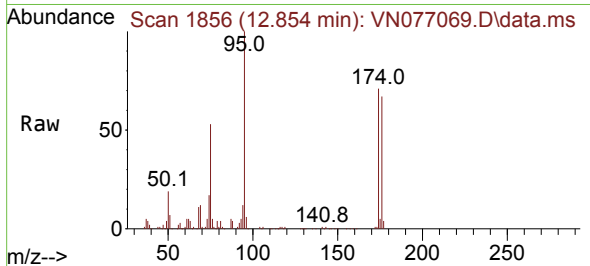




#62
4-Bromofluorobenzene
Concen: 47.645 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

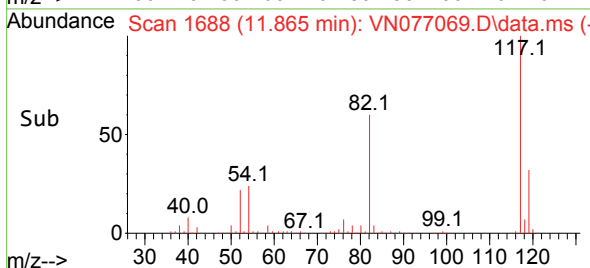
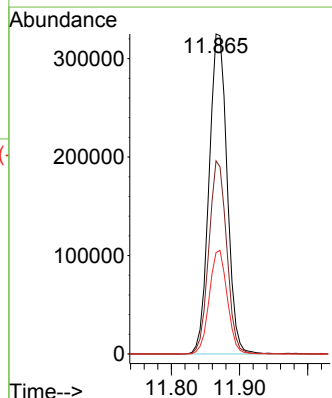
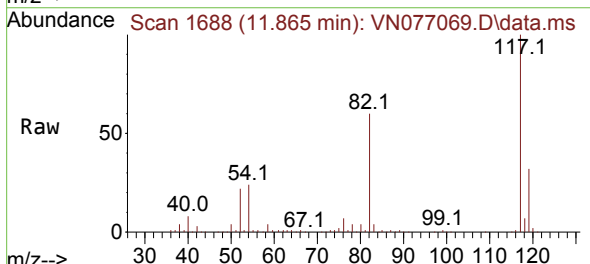
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

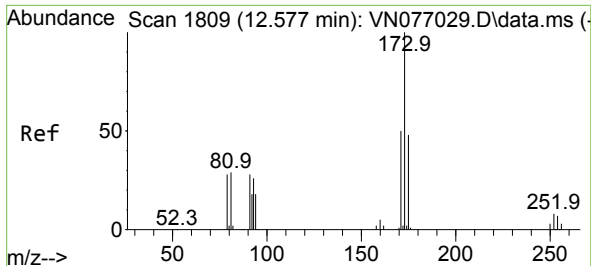
Tgt Ion: 95 Resp: 280552
Ion Ratio Lower Upper
95 100
174 70.7 0.0 136.6
176 66.6 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1688
Delta R.T. -0.001 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

Tgt Ion: 117 Resp: 599872
Ion Ratio Lower Upper
117 100
82 60.4 49.4 74.0
119 31.7 26.5 39.7

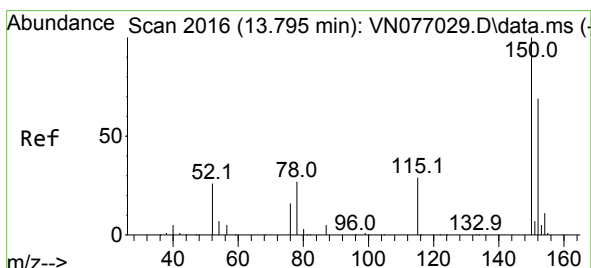
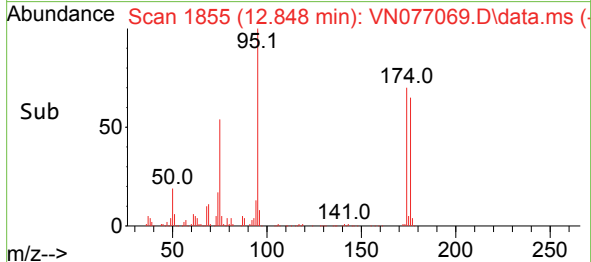
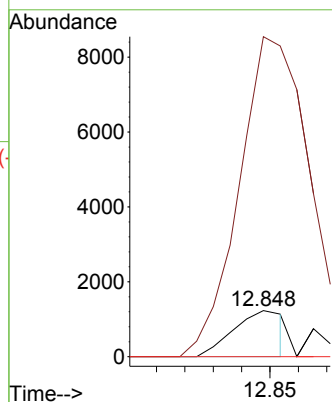
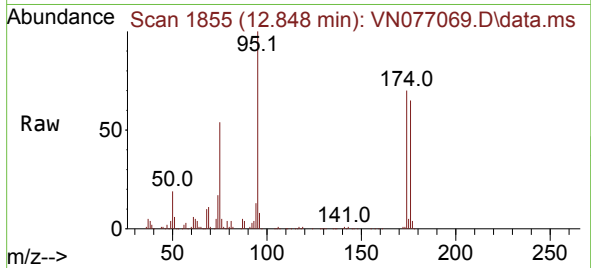




#71
Bromoform
Concen: 0.438 ug/l
RT: 12.848 min Scan# 1809
Delta R.T. 0.271 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

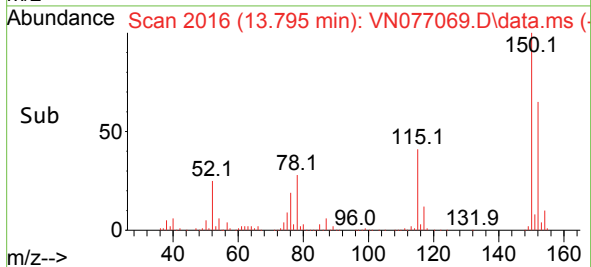
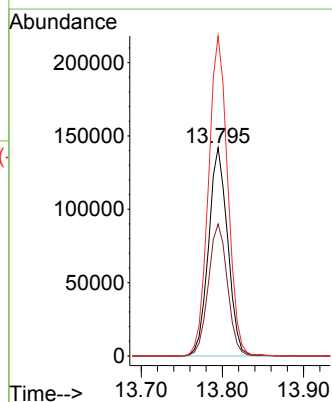
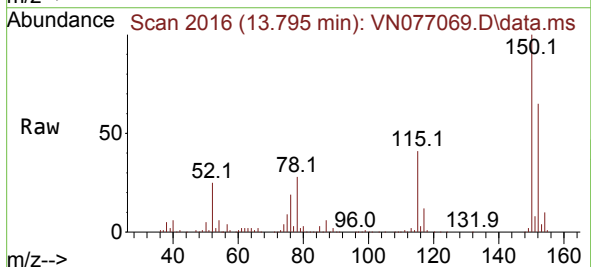
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

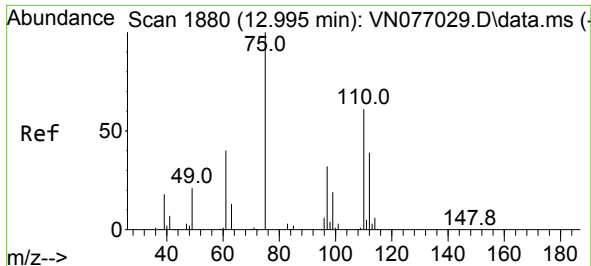
Tgt Ion:173 Resp: 1515
Ion Ratio Lower Upper
173 100
175 640.5 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

Tgt Ion:152 Resp: 231438
Ion Ratio Lower Upper
152 100
115 63.6 31.9 95.7
150 155.4 0.0 348.0

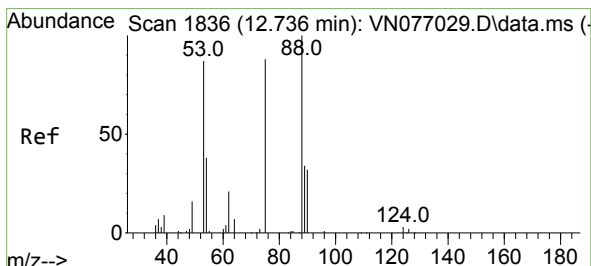
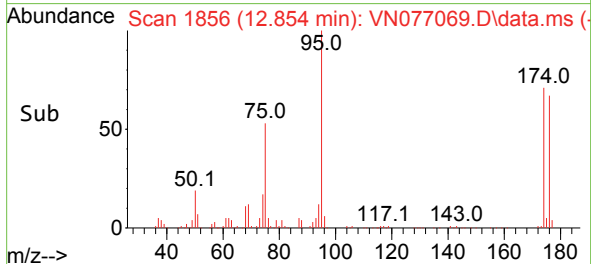
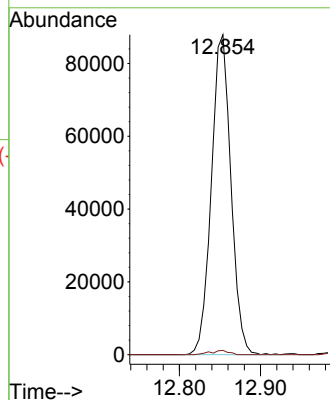
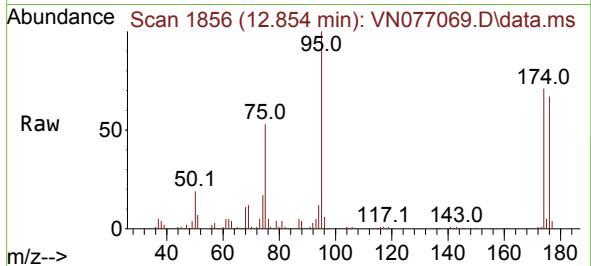




#76
1,2,3-Trichloropropane
Concen: 24.573 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

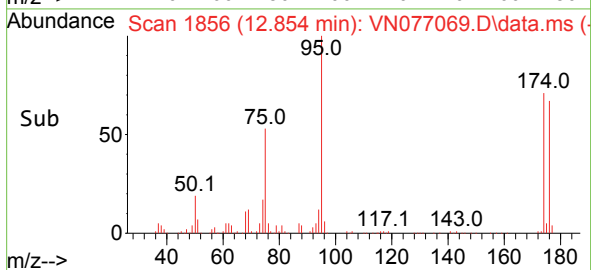
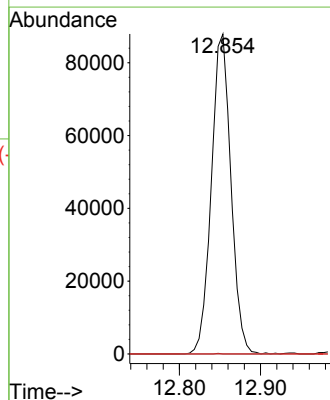
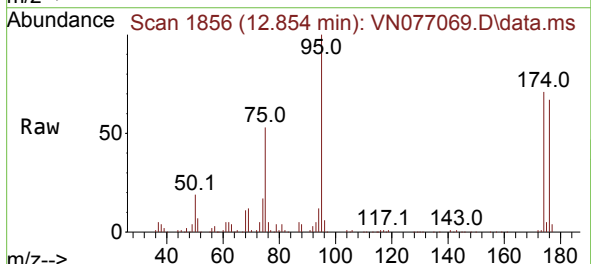
Instrument :
MSVOA_N
ClientSampleId :
TT180D-20230313

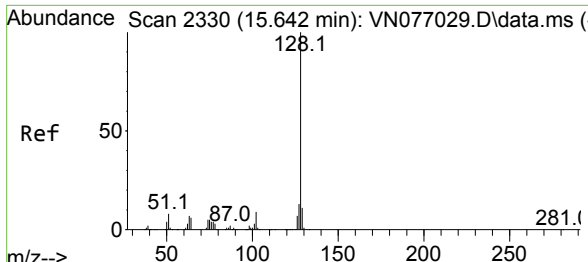
Tgt Ion: 75 Resp: 147104
Ion Ratio Lower Upper
75 100
77 1.2 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.638 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077069.D
Acq: 20 Mar 2023 15:29

Tgt Ion: 75 Resp: 147104
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.0 34.2 51.4#





#95
 Naphthalene
 Concen: 1.962 ug/l
 RT: 15.653 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: VN077069.D
 Acq: 20 Mar 2023 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 TT180D-20230313

Tgt Ion:	128	Resp:	793
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.6	13.0#

