

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032023\
 Data File : VN077072.D
 Acq On : 20 Mar 2023 16:42
 Operator : JC\MD
 Sample : 01941-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT180D2-20230313DL

Quant Time: Mar 21 05:38:07 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)

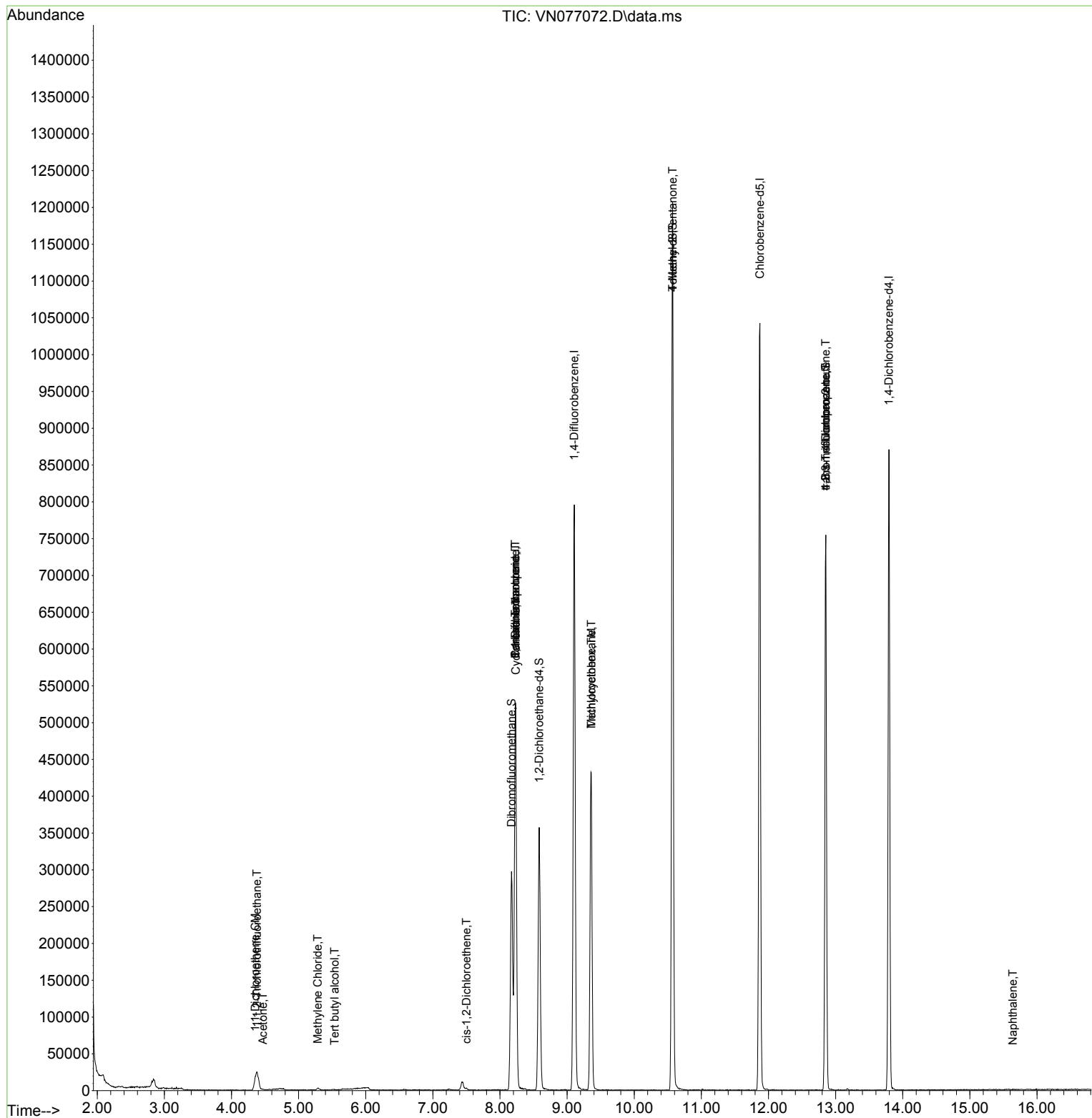
Internal Standards						
1) Pentafluorobenzene	8.231	168	368561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	668664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	600297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	223566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	280098	47.578	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.160%		
35) Dibromofluoromethane	8.172	113	215222	45.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.920%		
50) Toluene-d8	10.572	98	817971	48.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.800%		
62) 4-Bromofluorobenzene	12.854	95	272770	46.147	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.300%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.378	101	14521	2.969	ug/l	95
11) Tert butyl alcohol	5.537	59	190	0.221	ug/l #	72
12) 1,1-Dichloroethene	4.354	96	7409	1.656	ug/l #	70
16) Acetone	4.466	43	945	0.360	ug/l #	68
20) Methylene Chloride	5.284	84	1718	0.302	ug/l #	57
27) cis-1,2-Dichloroethene	7.501	96	1349	0.243	ug/l	74
31) Cyclohexane	8.236	56	10003	1.039	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	34717	4.747	ug/l #	51
38) Carbon Tetrachloride	8.231	117	42184	5.921	ug/l #	18
39) Methylcyclohexane	9.360	83	2220	0.259	ug/l #	1
44) Trichloroethene	9.360	130	159445	31.294	ug/l	100
51) 4-Methyl-2-Pentanone	10.572	43	4373	0.574	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	145003	25.075	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	145003	69.020	ug/l #	10
95) Naphthalene	15.642	128	515	1.945	ug/l #	70

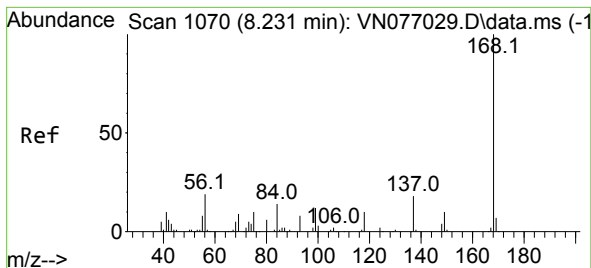
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077072.D

Acq: 20 Mar 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

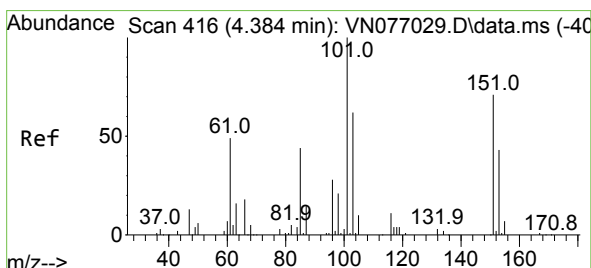
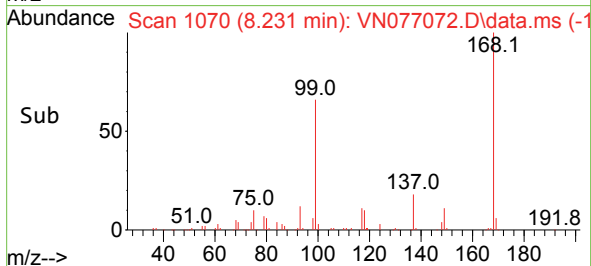
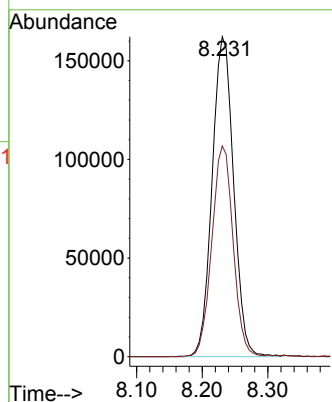
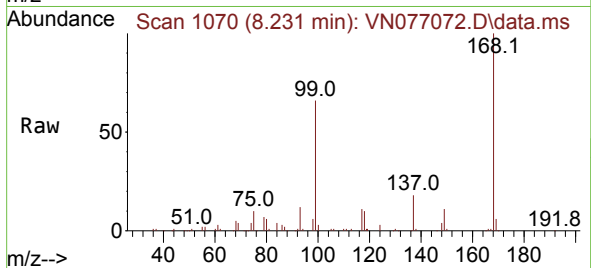
TT180D2-20230313DL

Tgt Ion:168 Resp: 368561

Ion Ratio Lower Upper

168 100

99 65.7 53.9 80.9



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.969 ug/l

RT: 4.378 min Scan# 415

Delta R.T. -0.006 min

Lab File: VN077072.D

Acq: 20 Mar 2023 16:42

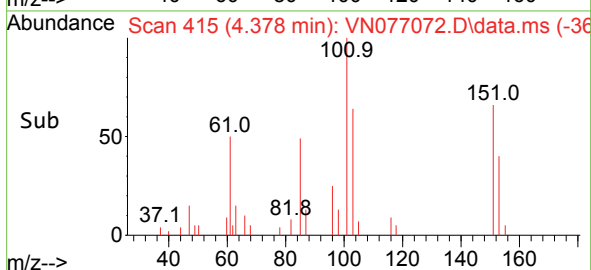
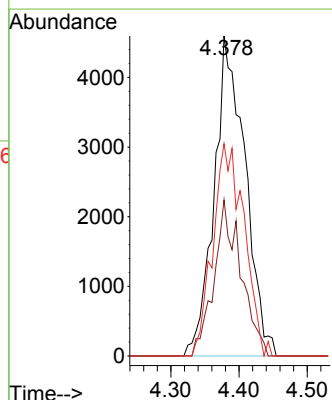
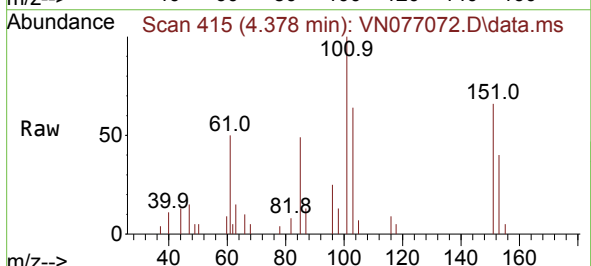
Tgt Ion:101 Resp: 14521

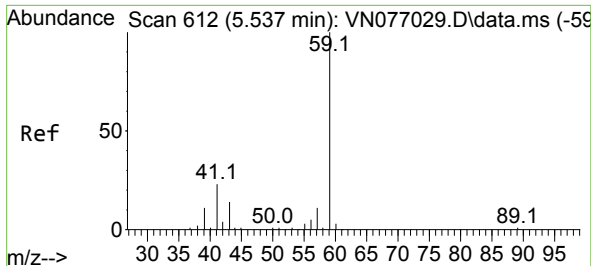
Ion Ratio Lower Upper

101 100

85 42.5 36.6 55.0

151 67.1 56.9 85.3

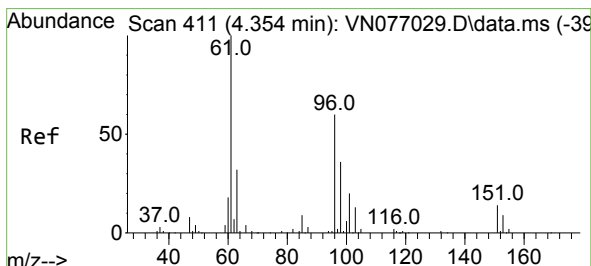
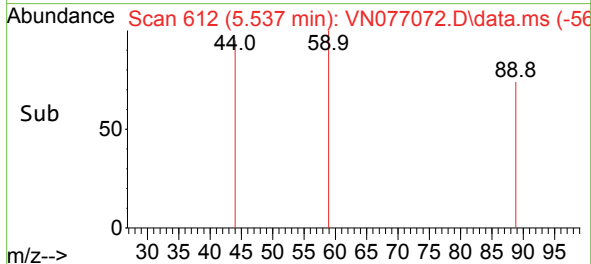
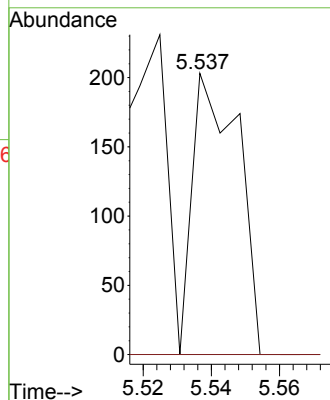
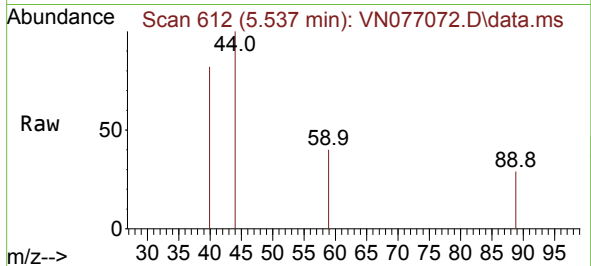




#11
Tert butyl alcohol
Concen: 0.221 ug/l
RT: 5.537 min Scan# 612
Delta R.T. -0.000 min
Lab File: VN077072.D
Acq: 20 Mar 2023 16:42

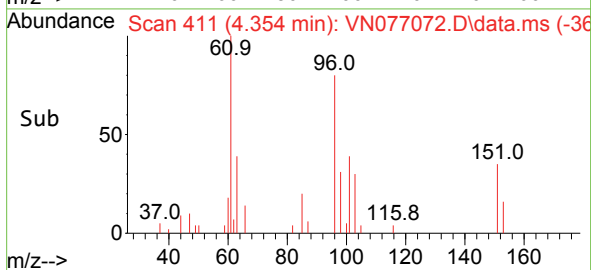
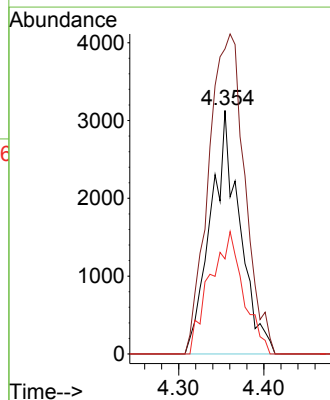
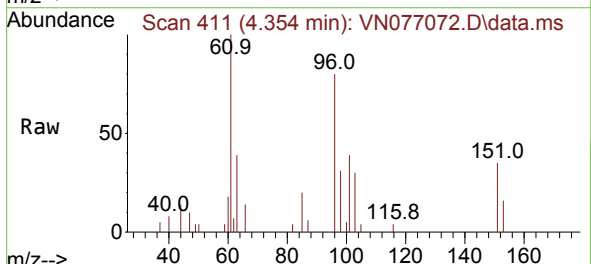
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TT180D2-20230313DL

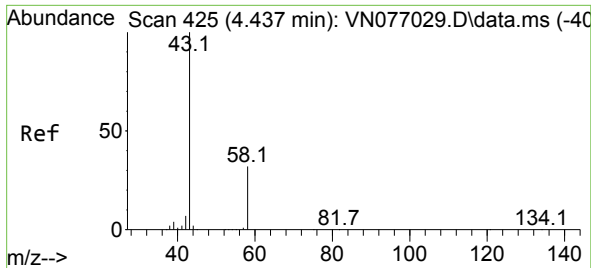
Tgt Ion: 59 Resp: 190
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 1.656 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077072.D
Acq: 20 Mar 2023 16:42

Tgt Ion: 96 Resp: 7409
Ion Ratio Lower Upper
96 100
61 125.2 133.8 200.8#
98 39.0 48.6 72.8#

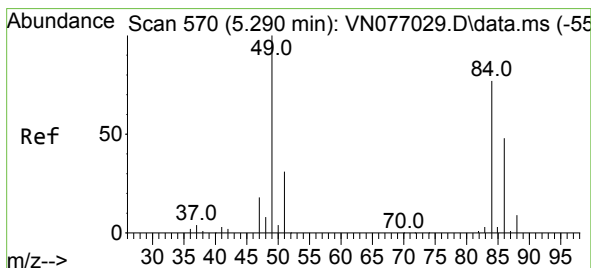
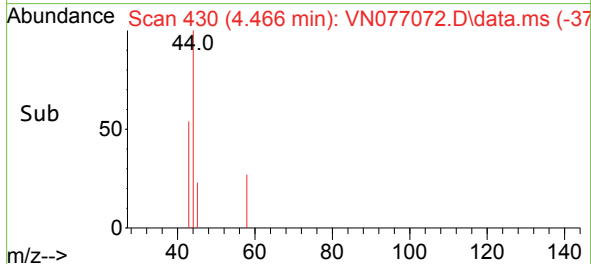
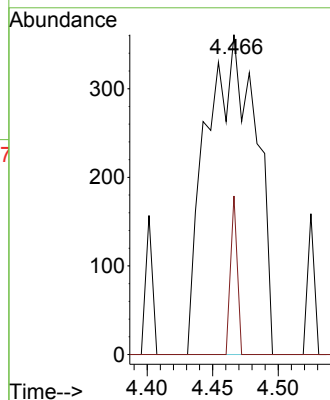
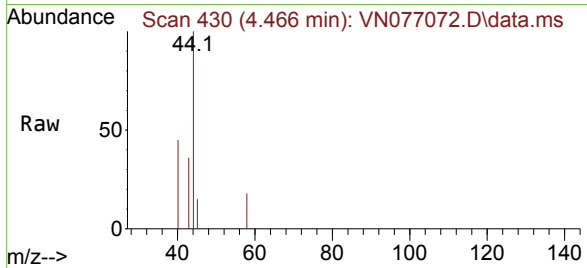




#16
Acetone
Concen: 0.360 ug/l
RT: 4.466 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN077072.D
Acq: 20 Mar 2023 16:42

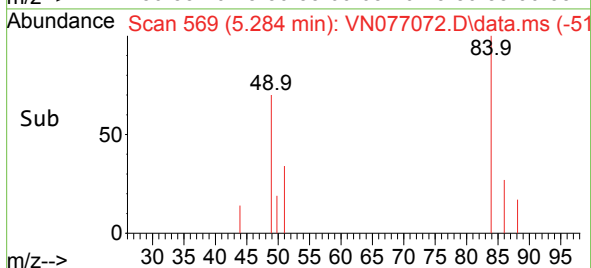
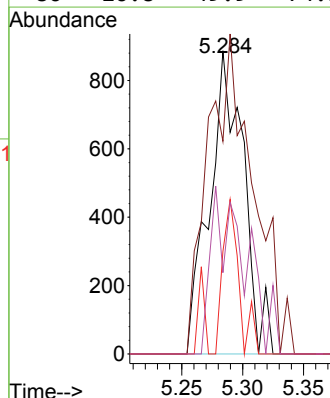
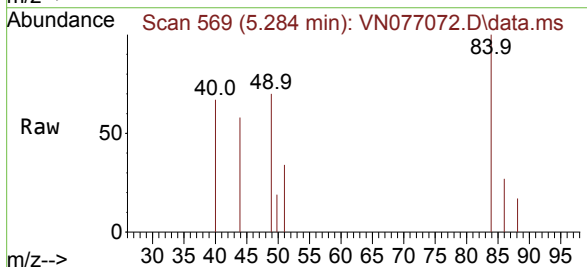
Instrument :
MSVOA_N
ClientSampleId :
TT180D2-20230313DL

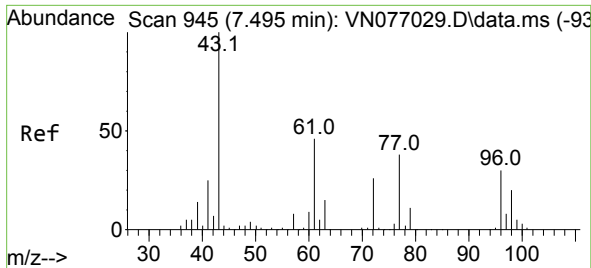
Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
58 49.6 25.4 38.0#



#20
Methylene Chloride
Concen: 0.302 ug/l
RT: 5.284 min Scan# 569
Delta R.T. -0.006 min
Lab File: VN077072.D
Acq: 20 Mar 2023 16:42

Tgt Ion: 84 Resp: 1718
Ion Ratio Lower Upper
84 100
49 70.1 103.8 155.6#
51 33.8 32.3 48.5
86 26.8 49.9 74.9#

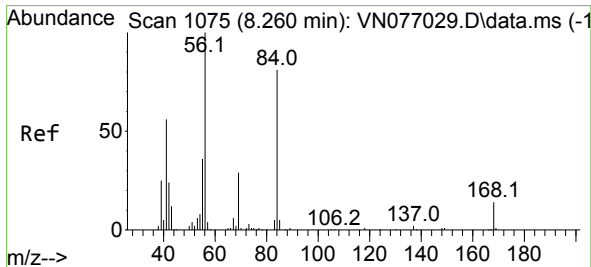
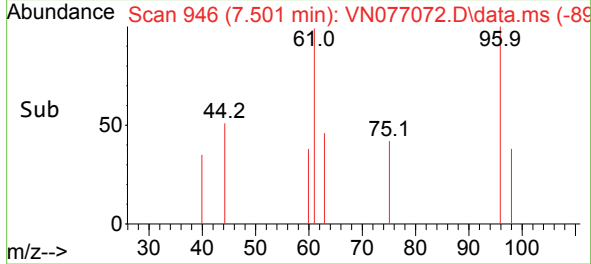
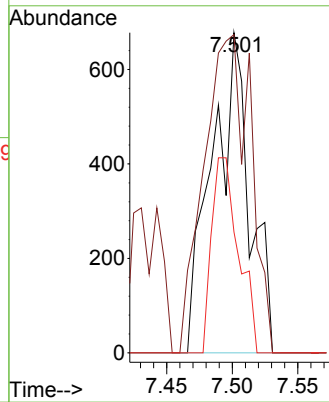
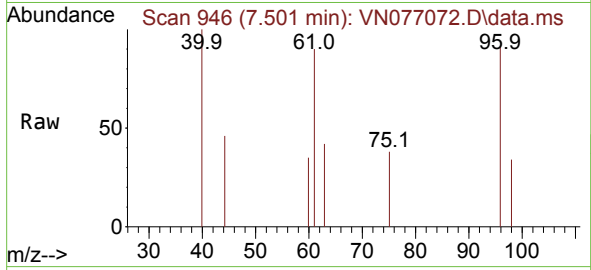




#27
 cis-1,2-Dichloroethene
 Concen: 0.243 ug/l
 RT: 7.501 min Scan# 945
 Delta R.T. 0.006 min
 Lab File: VN077072.D
 Acq: 20 Mar 2023 16:42

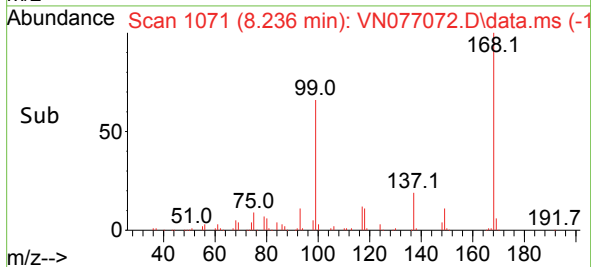
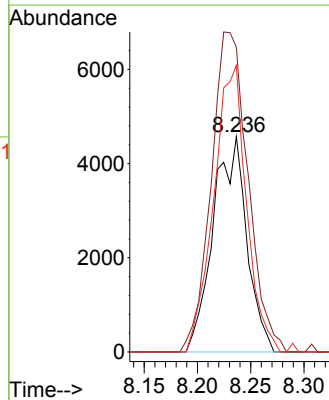
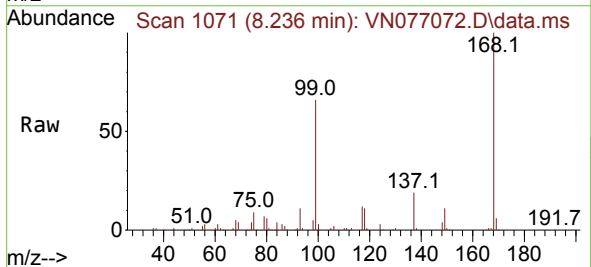
Instrument :
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 ClientSampleId :
 TT180D2-20230313DL

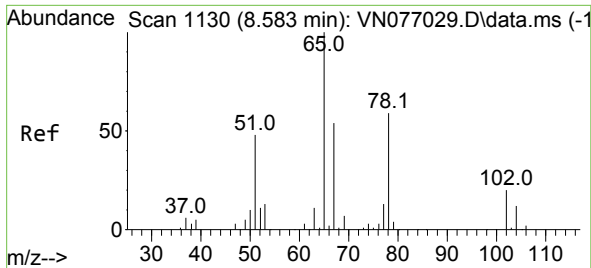
Tgt Ion: 96	Resp: 1349
Ion Ratio	Lower Upper
96 100	
61 123.2	0.0 315.4
98 43.6	0.0 128.6



#31
 Cyclohexane
 Concen: 1.039 ug/l
 RT: 8.236 min Scan# 1071
 Delta R.T. -0.024 min
 Lab File: VN077072.D
 Acq: 20 Mar 2023 16:42

Tgt Ion: 56	Resp: 10003
Ion Ratio	Lower Upper
56 100	
69 141.5	22.8 34.2#
84 133.1	64.7 97.1#

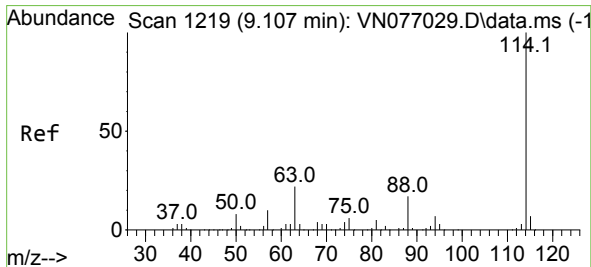
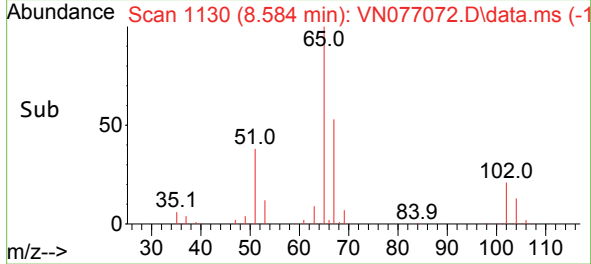
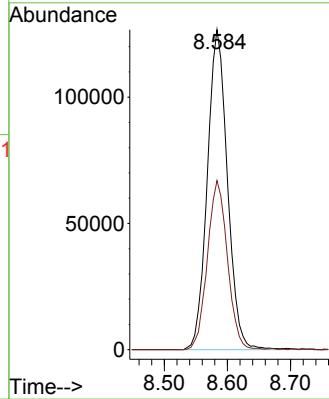
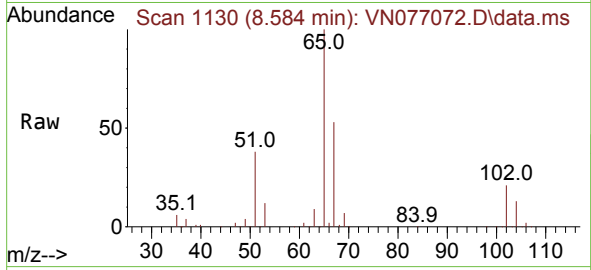




#33
 1,2-Dichloroethane-d4
 Concen: 47.578 ug/l
 RT: 8.584 min Scan# 1130
 Delta R.T. 0.001 min
 Lab File: VN077072.D
 Acq: 20 Mar 2023 16:42

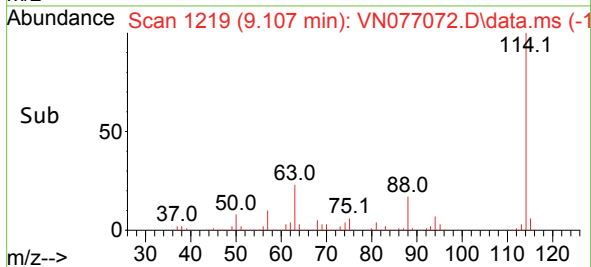
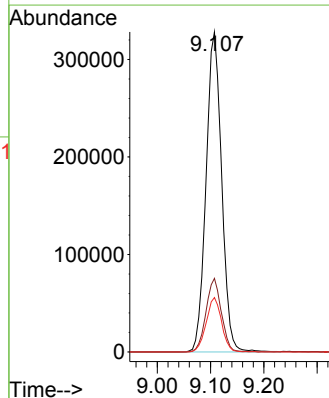
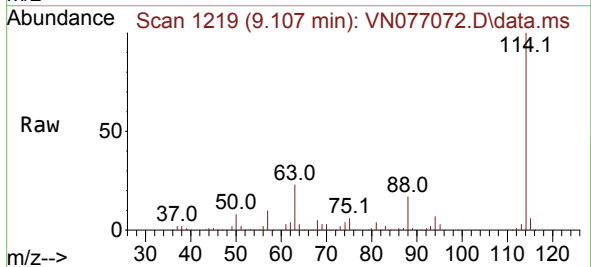
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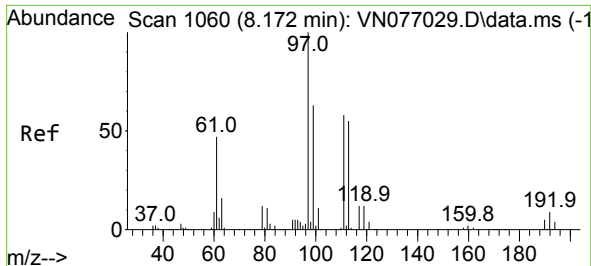
Tgt Ion: 65 Resp: 280098
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN077072.D
 Acq: 20 Mar 2023 16:42

Tgt Ion: 114 Resp: 668664
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.6
 88 17.0 0.0 33.8

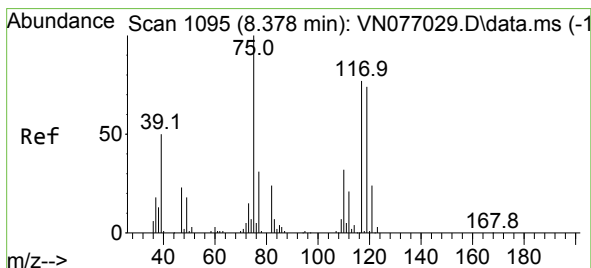
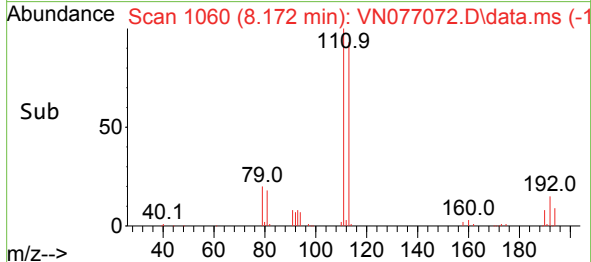
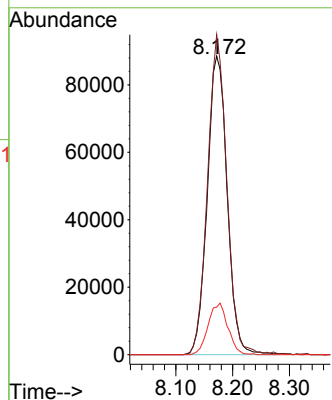
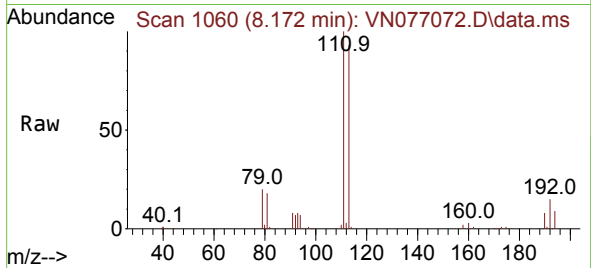




#35
Dibromofluoromethane
Concen: 45.961 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077072.D
Acq: 20 Mar 2023 16:42

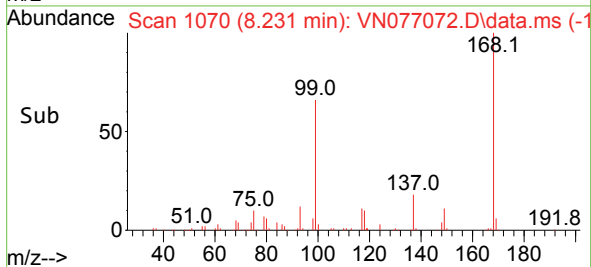
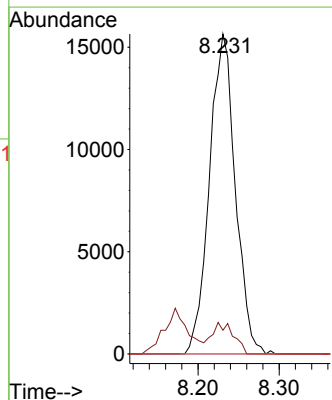
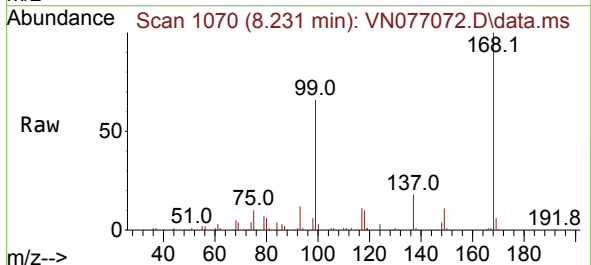
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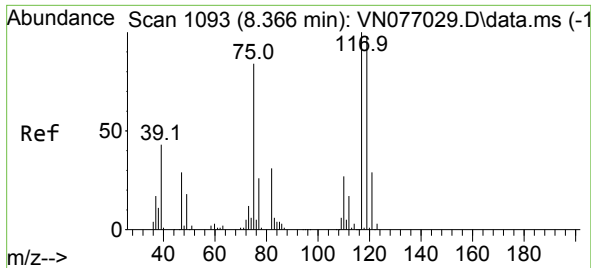
Tgt Ion:113 Resp: 215222
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 17.1 13.0 19.6



#36
1,1-Dichloropropene
Concen: 4.747 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077072.D
Acq: 20 Mar 2023 16:42

Tgt Ion: 75 Resp: 34717
Ion Ratio Lower Upper
75 100
110 8.2 15.9 47.7#
77 0.0 24.3 36.5#

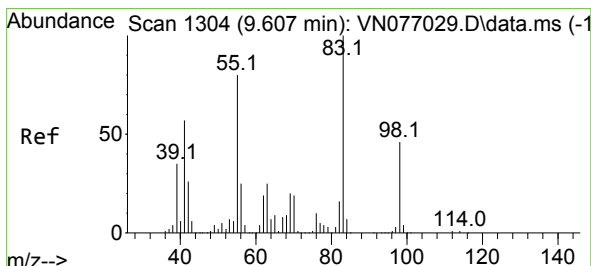
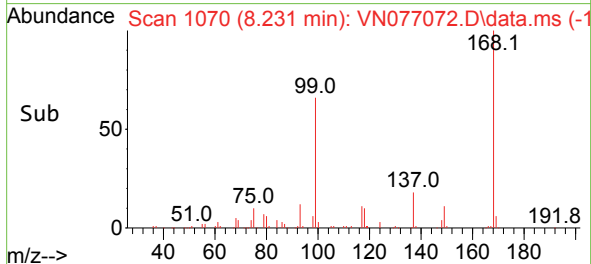
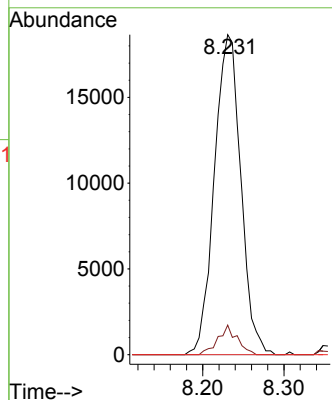
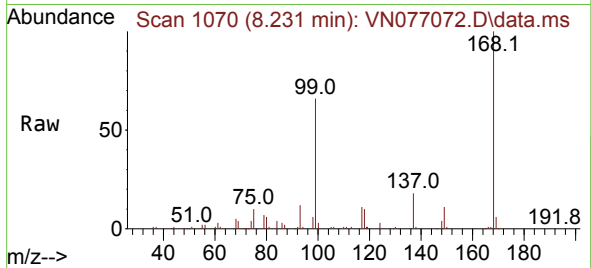




#38
Carbon Tetrachloride
Concen: 5.921 ug/l
RT: 8.231 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN077072.D
Acq: 20 Mar 2023 16:42

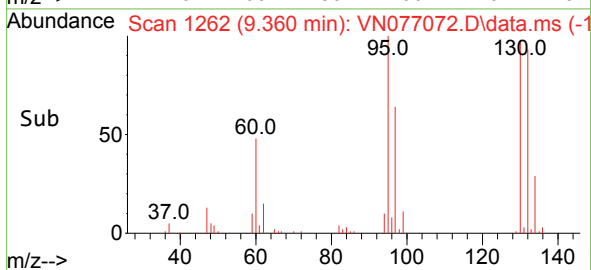
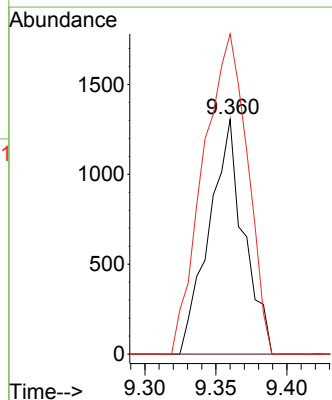
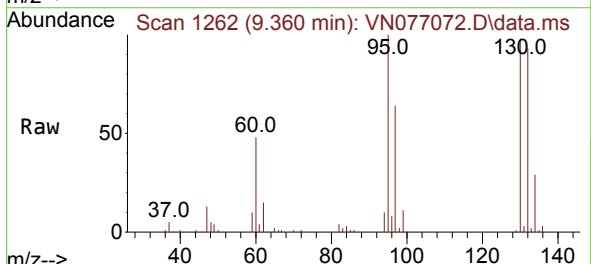
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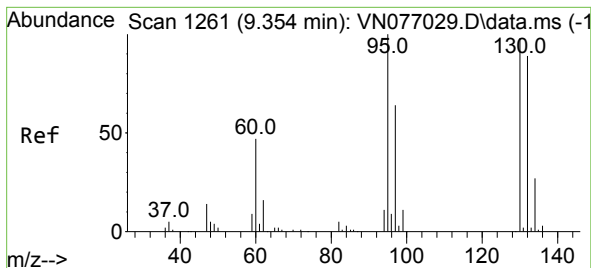
Tgt Ion:117 Resp: 42184
Ion Ratio Lower Upper
117 100
119 9.3 78.2 117.2#
121 0.0 23.2 34.8#



#39
Methylcyclohexane
Concen: 0.259 ug/l
RT: 9.360 min Scan# 1262
Delta R.T. -0.247 min
Lab File: VN077072.D
Acq: 20 Mar 2023 16:42

Tgt Ion: 83 Resp: 2220
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.8#
98 136.4 37.1 55.7#





#44

Trichloroethene

Concen: 31.294 ug/l

RT: 9.360 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077072.D

Acq: 20 Mar 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

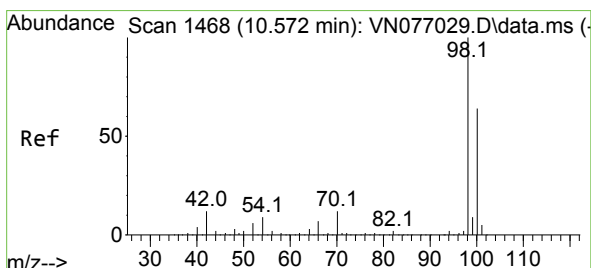
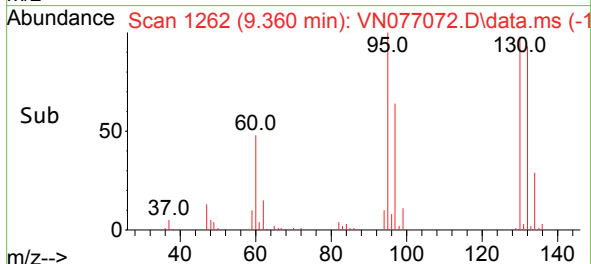
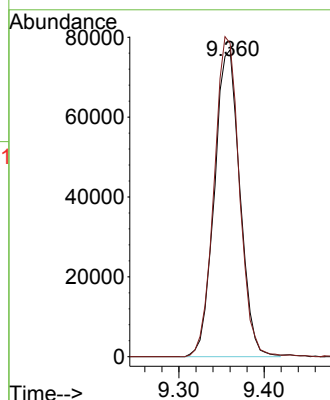
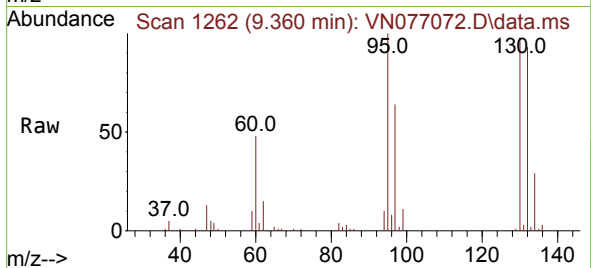
TT180D2-20230313DL

Tgt Ion:130 Resp: 159445

Ion Ratio Lower Upper

130 100

95 102.1 0.0 204.4



#50

Toluene-d8

Concen: 48.900 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VN077072.D

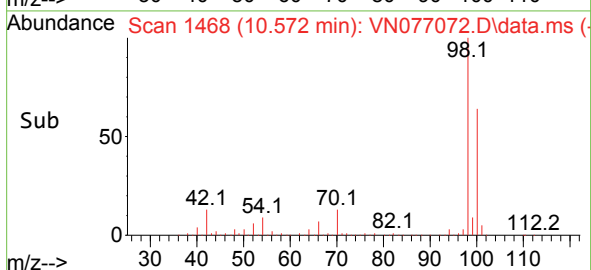
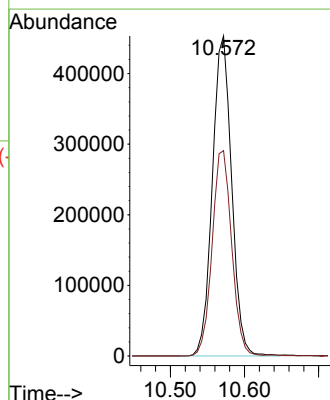
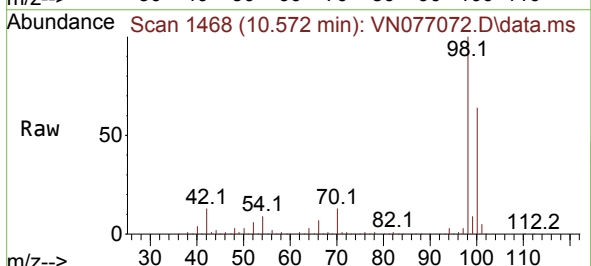
Acq: 20 Mar 2023 16:42

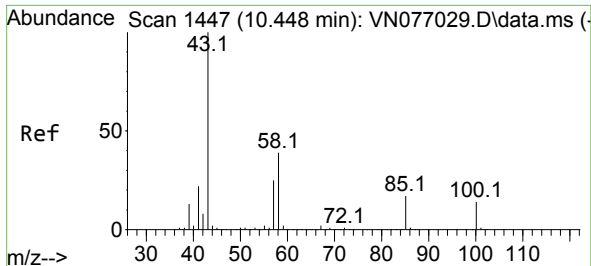
Tgt Ion: 98 Resp: 817971

Ion Ratio Lower Upper

98 100

100 65.0 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 0.574 ug/l

RT: 10.572 min Scan# 1447

Delta R.T. 0.124 min

Lab File: VN077072.D

Acq: 20 Mar 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

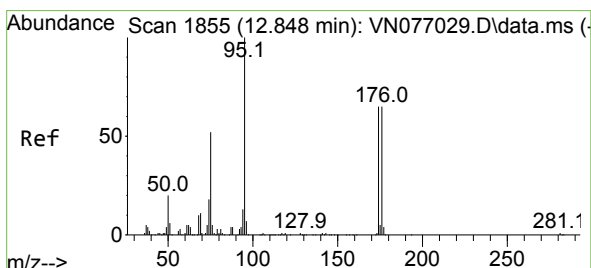
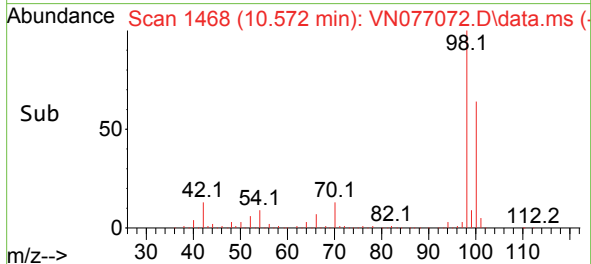
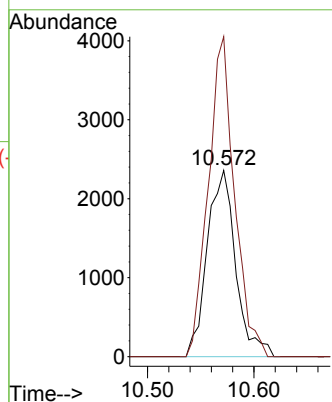
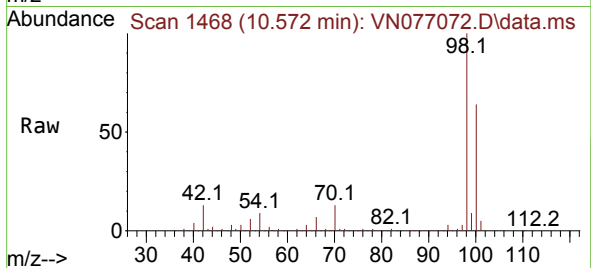
TT180D2-20230313DL

Tgt Ion: 43 Resp: 4373

Ion Ratio Lower Upper

43 100

58 158.8 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 46.147 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077072.D

Acq: 20 Mar 2023 16:42

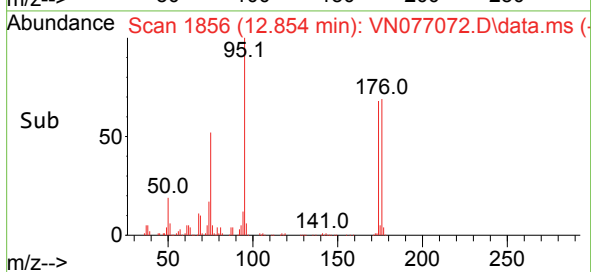
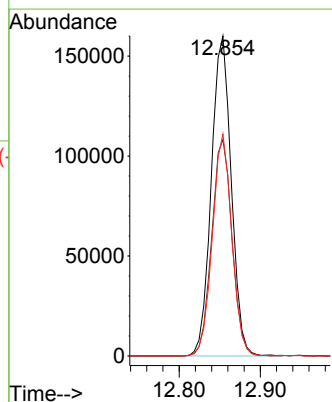
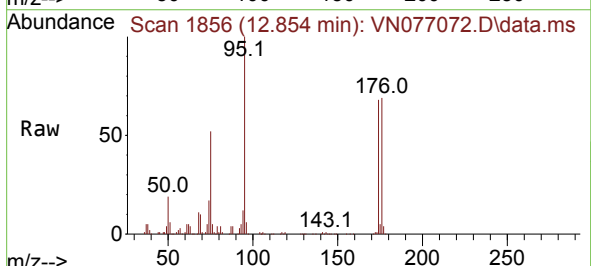
Tgt Ion: 95 Resp: 272770

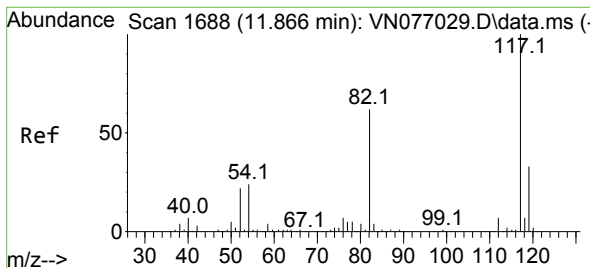
Ion Ratio Lower Upper

95 100

174 69.0 0.0 136.6

176 67.5 0.0 130.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.872 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077072.D

Acq: 20 Mar 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

TT180D2-20230313DL

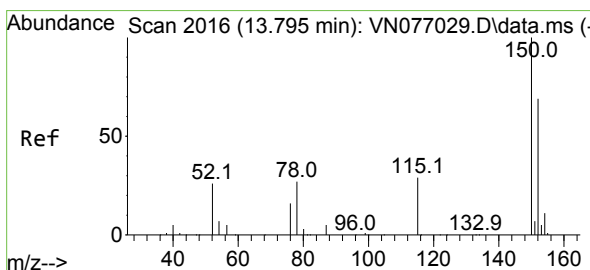
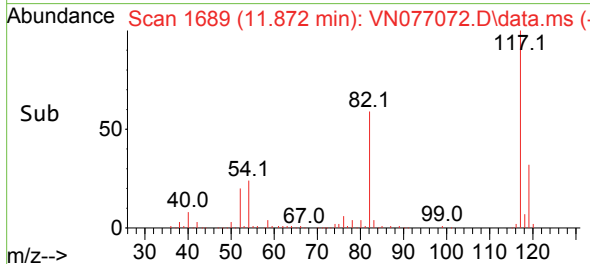
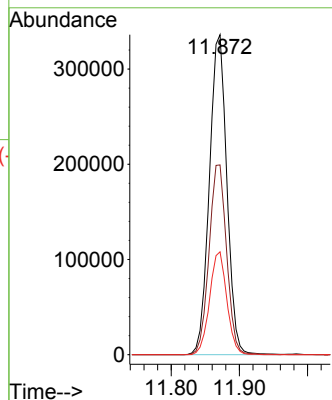
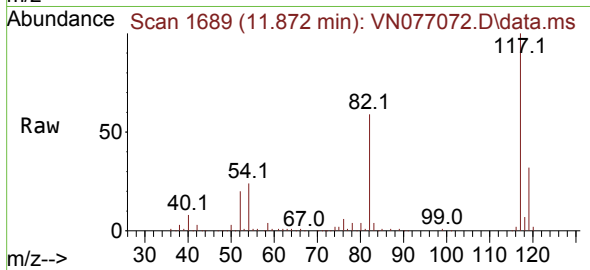
Tgt Ion:117 Resp: 600297

Ion Ratio Lower Upper

117 100

82 59.3 49.4 74.0

119 32.2 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077072.D

Acq: 20 Mar 2023 16:42

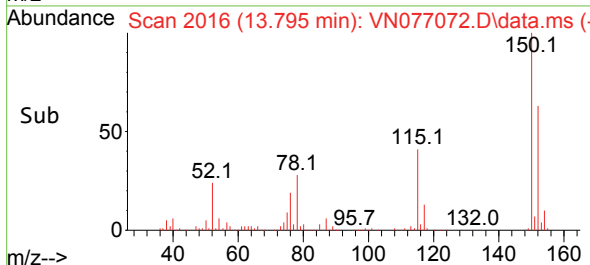
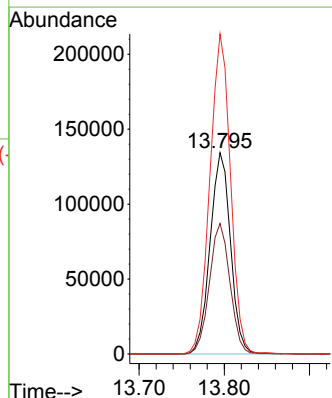
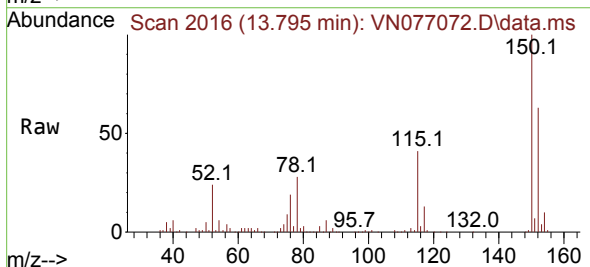
Tgt Ion:152 Resp: 223566

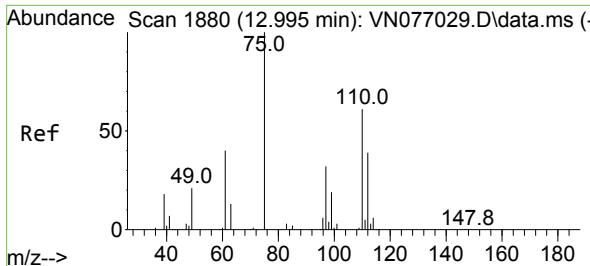
Ion Ratio Lower Upper

152 100

115 65.3 31.9 95.7

150 160.4 0.0 348.0

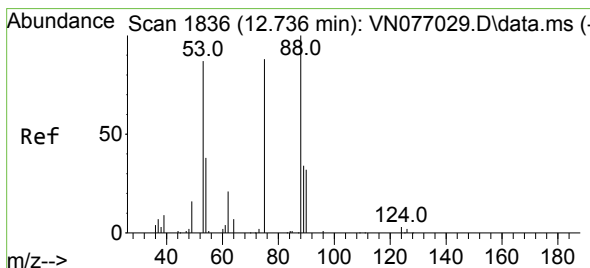
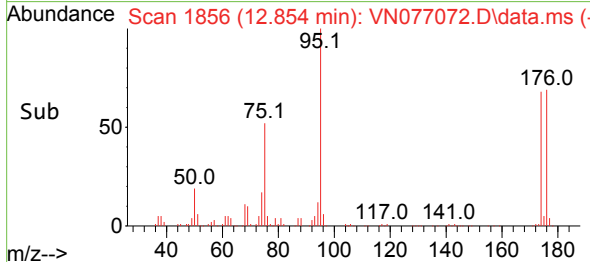
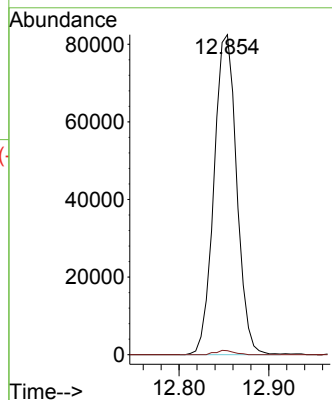
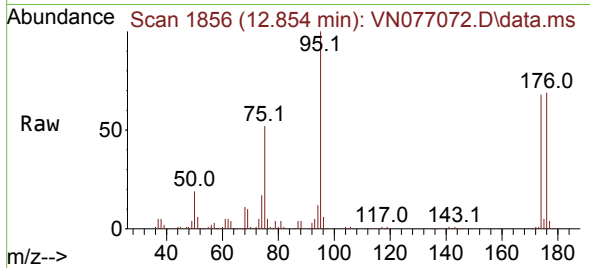




#76
1,2,3-Trichloropropane
Concen: 25.075 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077072.D
Acq: 20 Mar 2023 16:42

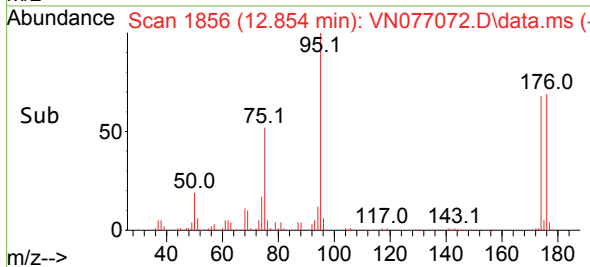
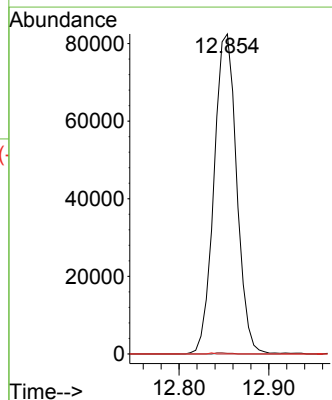
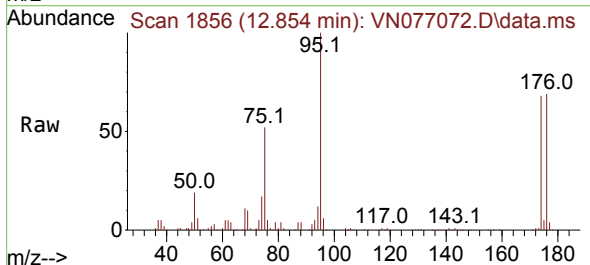
Instrument :
MSVOA_N
ClientSampleId :
TT180D2-20230313DL

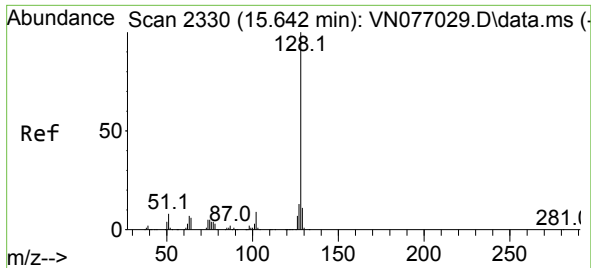
Tgt Ion: 75 Resp: 145003
Ion Ratio Lower Upper
75 100
77 1.1 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.020 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077072.D
Acq: 20 Mar 2023 16:42

Tgt Ion: 75 Resp: 145003
Ion Ratio Lower Upper
75 100
53 0.2 80.8 121.2#
89 0.1 34.2 51.4#





#95

Naphthalene

Concen: 1.945 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077072.D

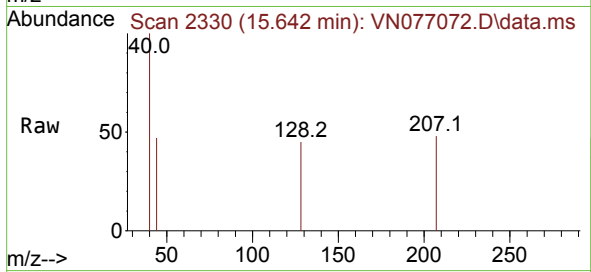
Acq: 20 Mar 2023 16:42

Instrument :

MSVOA_N

ClientSampleId :

TT180D2-20230313DL



Tgt Ion:	128	Resp:	515
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.0	15.0#
129	0.0	8.6	13.0#

