

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076966.D
 Acq On : 13 Mar 2023 16:56
 Operator : JC\MD
 Sample : 01880-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT149S1-20230309

Quant Time: Mar 14 07:04:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

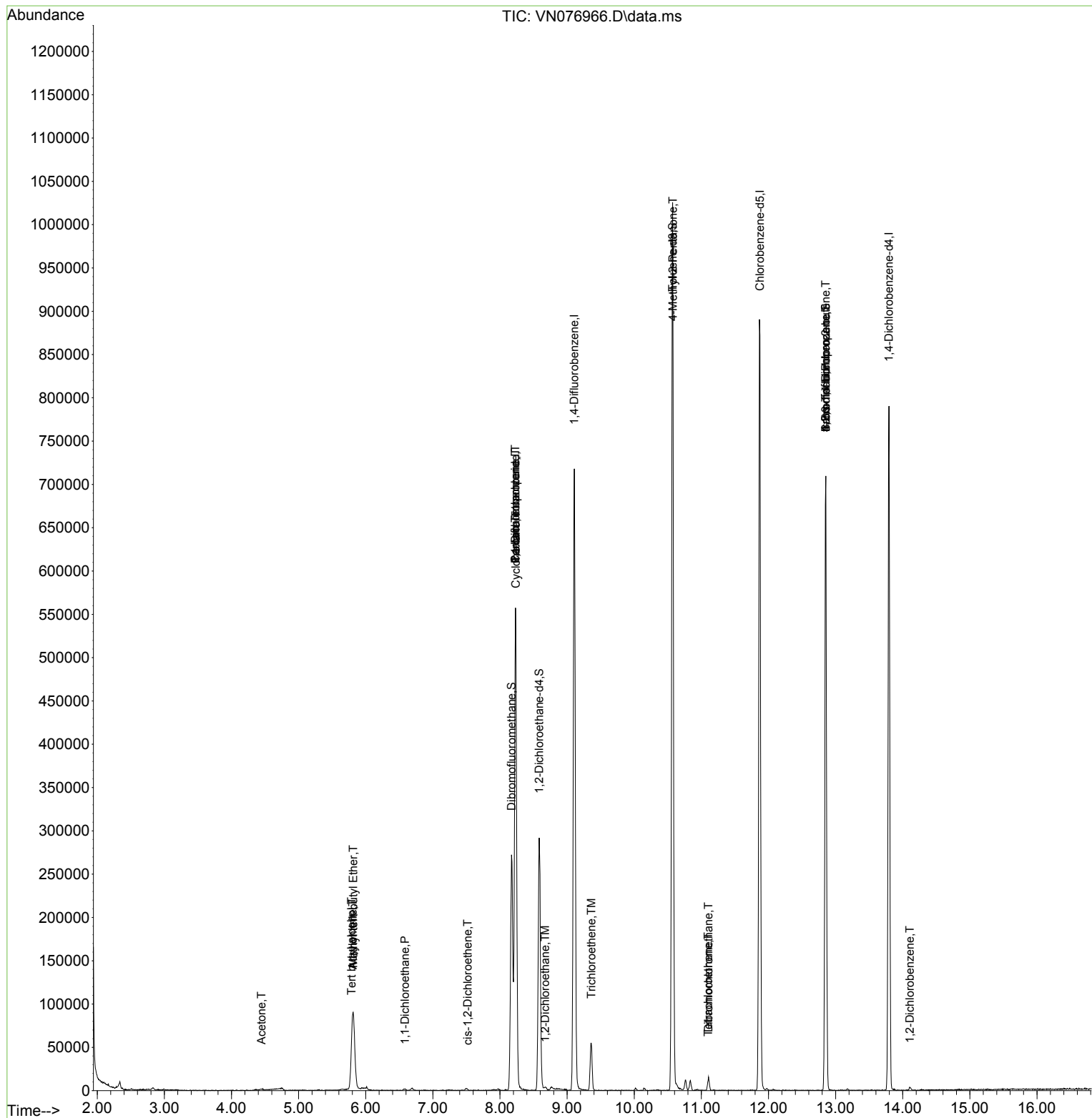
Internal Standards						
1) Pentafluorobenzene	8.230	168	380878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	613888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	522047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	207724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	269358	47.391	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.780%		
35) Dibromofluoromethane	8.172	113	190974	46.677	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.360%		
50) Toluene-d8	10.571	98	716466	47.515	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.040%		
62) 4-Bromofluorobenzene	12.854	95	252292	45.744	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.480%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.789	59	169	0.214	ug/l #	72
15) Acrylonitrile	5.807	53	2046	0.916	ug/l #	34
16) Acetone	4.448	43	855	0.434	ug/l #	40
19) Methyl tert-butyl Ether	5.813	73	156177	10.433	ug/l	97
24) 1,1-Dichloroethane	6.583	63	2504	0.293	ug/l #	80
27) cis-1,2-Dichloroethene	7.519	96	1173	0.228	ug/l #	1
31) Cyclohexane	8.236	56	8010	0.982	ug/l #	43
36) 1,1-Dichloropropene	8.230	75	32541	5.143	ug/l #	52
38) Carbon Tetrachloride	8.230	117	45982	6.209	ug/l #	15
42) 1,2-Dichloroethane	8.672	62	3570	0.491	ug/l	75
44) Trichloroethene	9.360	130	20081	4.166	ug/l	96
51) 4-Methyl-2-Pentanone	10.577	43	2532	0.472	ug/l #	1
60) Dibromochloromethane	11.107	129	3050	0.620	ug/l #	10
64) Tetrachloroethene	11.101	164	3212	0.760	ug/l	94
71) Bromoform	12.854	173	882	0.267	ug/l #	1
76) 1,2,3-Trichloropropane	12.854	75	138355	27.472	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	138355	89.739	ug/l #	15
91) 1,2-Dichlorobenzene	14.107	146	1840	0.243	ug/l	94

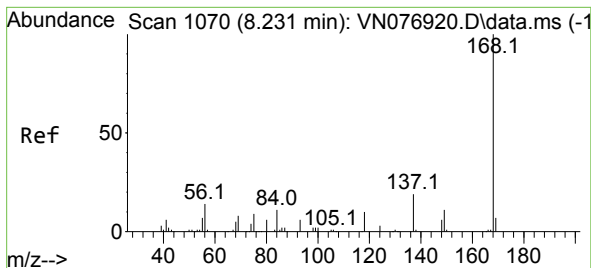
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 10 13:47:39 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076966.D

Acq: 13 Mar 2023 16:56

Instrument :

MSVOA_N

ClientSampleId :

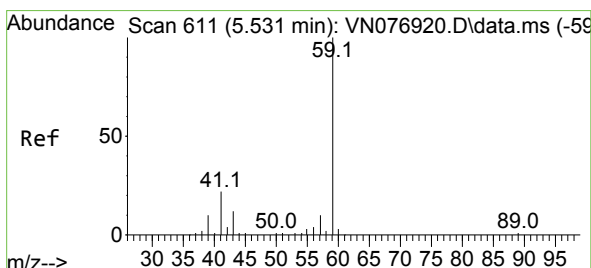
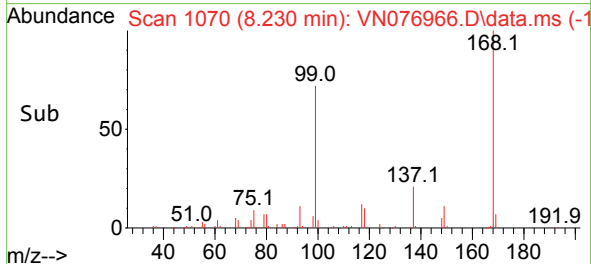
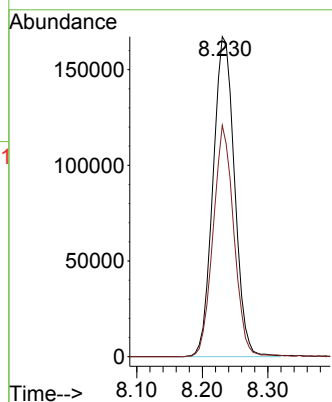
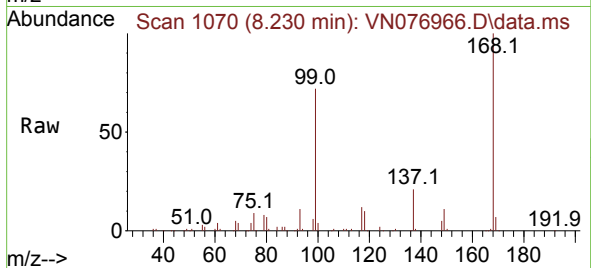
TT149S1-20230309

Tgt Ion:168 Resp: 380878

Ion Ratio Lower Upper

168 100

99 72.3 48.6 73.0



#11

Tert butyl alcohol

Concen: 0.214 ug/l

RT: 5.789 min Scan# 655

Delta R.T. 0.258 min

Lab File: VN076966.D

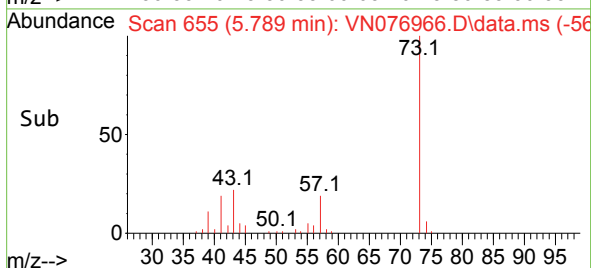
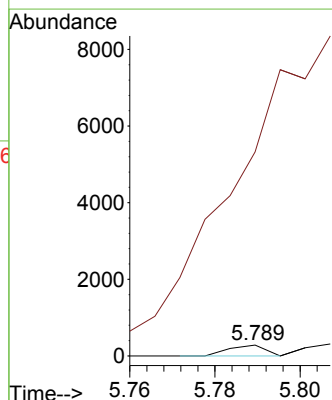
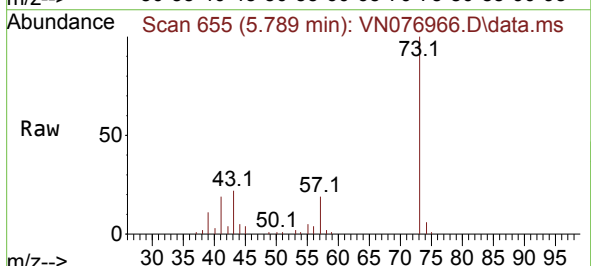
Acq: 13 Mar 2023 16:56

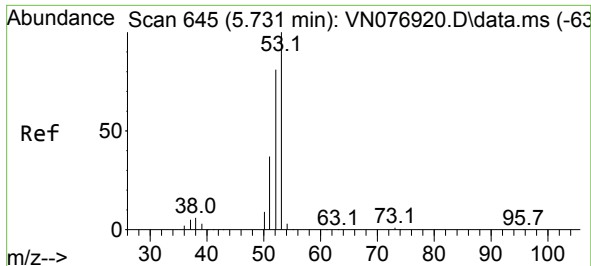
Tgt Ion: 59 Resp: 169

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#

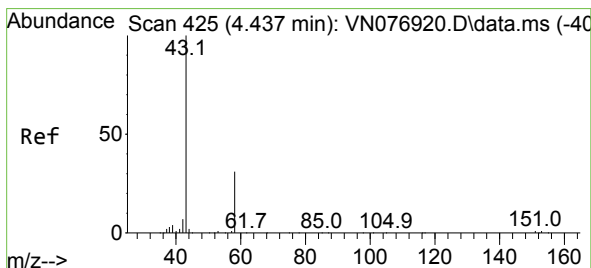
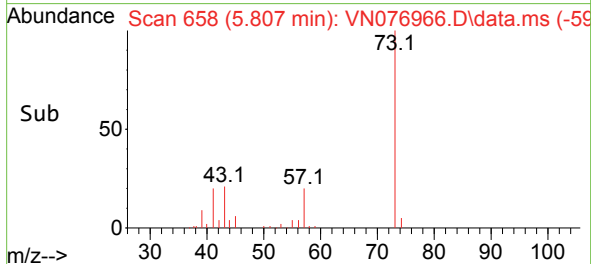
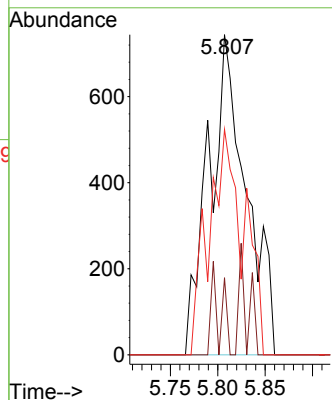
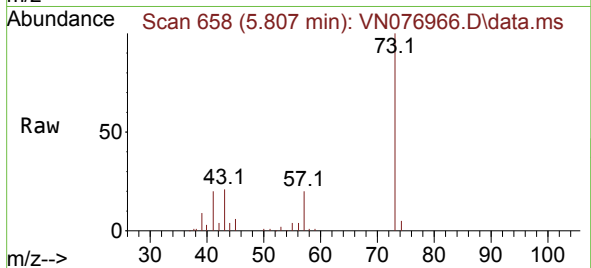




#15
Acrylonitrile
Concen: 0.916 ug/l
RT: 5.807 min Scan# 61
Delta R.T. 0.076 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

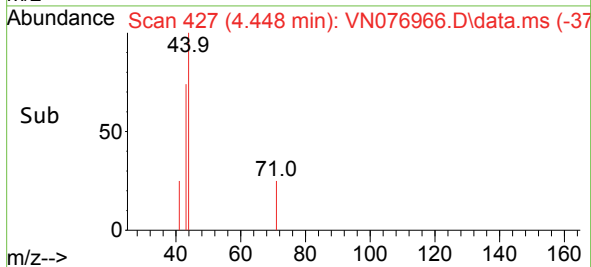
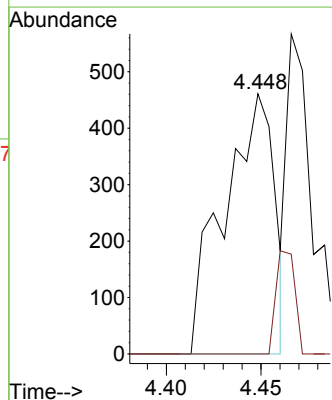
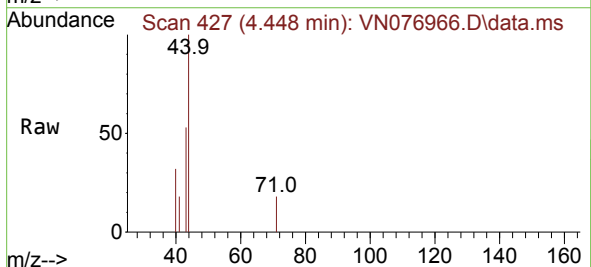
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20230309

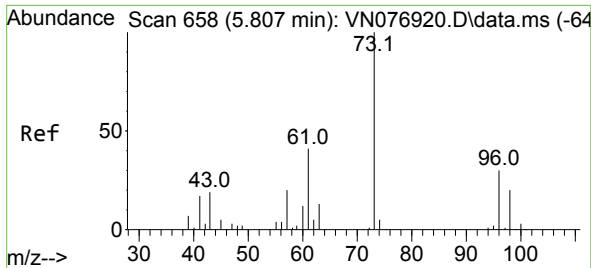
Tgt Ion: 53 Resp: 2046
Ion Ratio Lower Upper
53 100
52 6.8 65.3 97.9#
51 51.2 28.8 43.2#



#16
Acetone
Concen: 0.434 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#

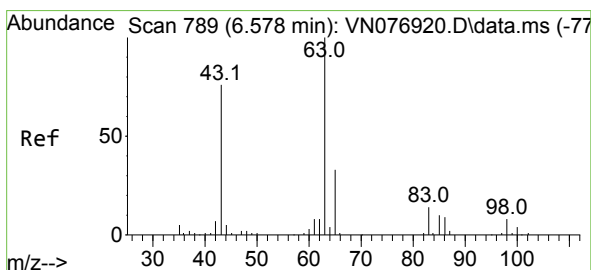
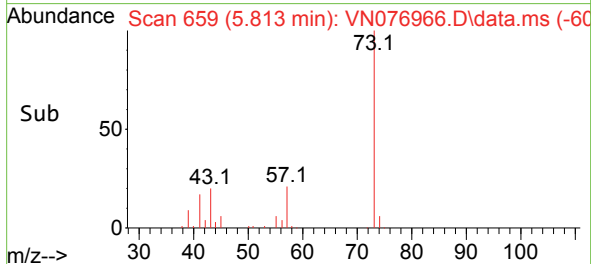
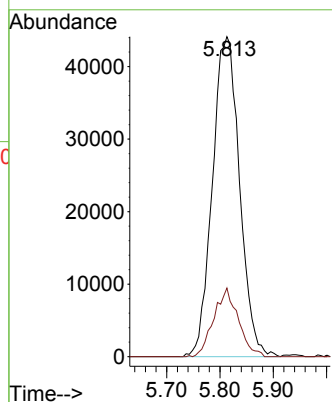
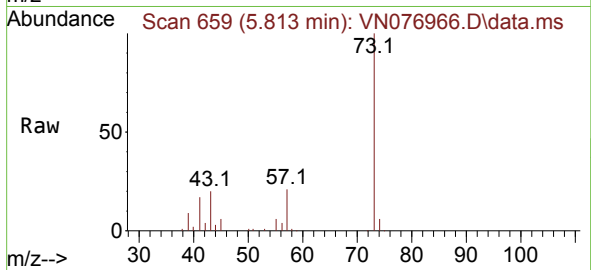




#19
Methyl tert-butyl Ether
Concen: 10.433 ug/l
RT: 5.813 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

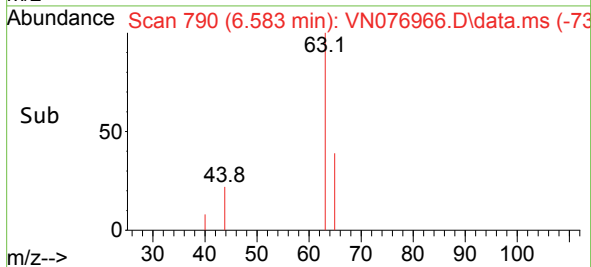
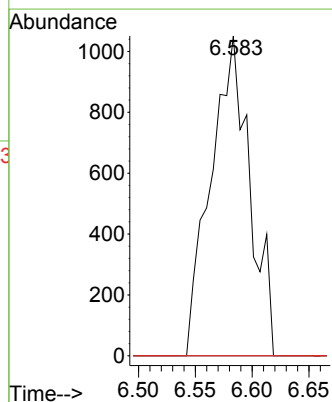
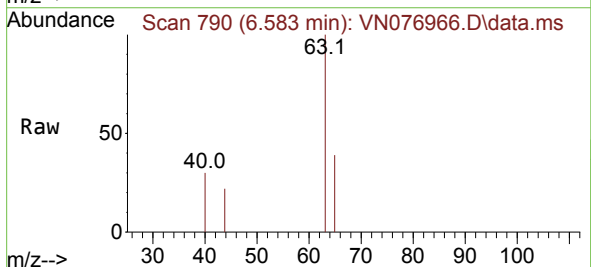
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20230309

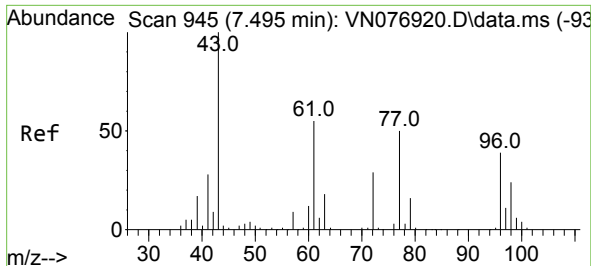
Tgt Ion: 73 Resp: 156177
Ion Ratio Lower Upper
73 100
57 21.5 16.1 24.1



#24
1,1-Dichloroethane
Concen: 0.293 ug/l
RT: 6.583 min Scan# 790
Delta R.T. 0.005 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

Tgt Ion: 63 Resp: 2504
Ion Ratio Lower Upper
63 100
98 0.0 4.2 12.6#
100 0.0 2.2 6.6#





#27

cis-1,2-Dichloroethene

Concen: 0.228 ug/l

RT: 7.519 min Scan# 94

Delta R.T. 0.024 min

Lab File: VN076966.D

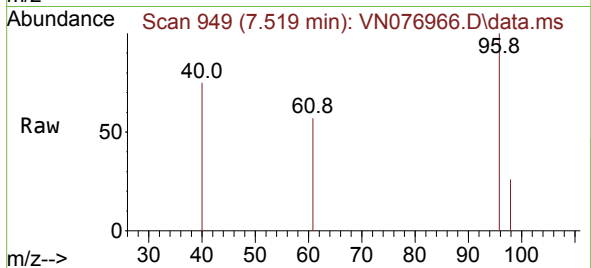
Acq: 13 Mar 2023 16:56

Instrument :

MSVOA_N

ClientSampleId :

TT149S1-20230309



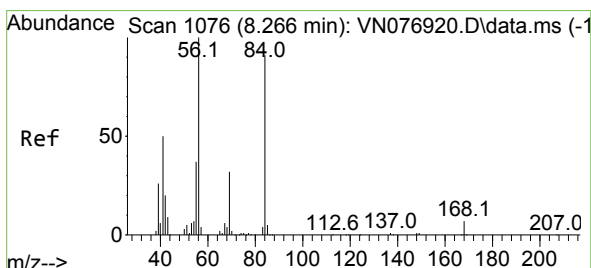
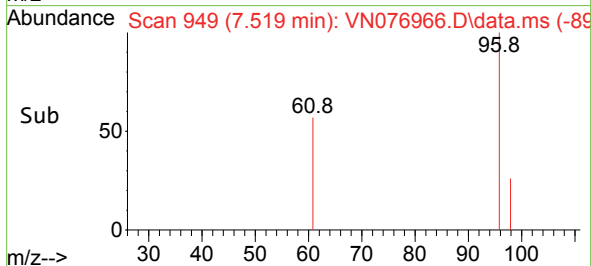
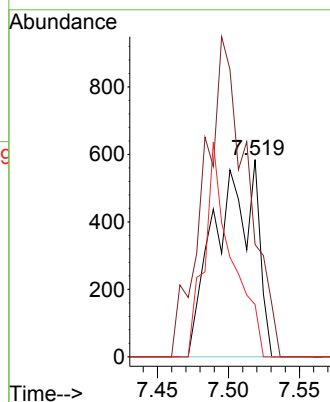
Tgt Ion: 96 Resp: 1173

Ion Ratio Lower Upper

96 100

61 0.0 0.0 255.6

98 0.0 0.0 127.4



#31

Cyclohexane

Concen: 0.982 ug/l

RT: 8.236 min Scan# 1071

Delta R.T. -0.030 min

Lab File: VN076966.D

Acq: 13 Mar 2023 16:56

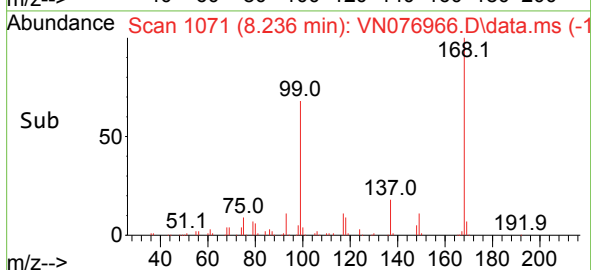
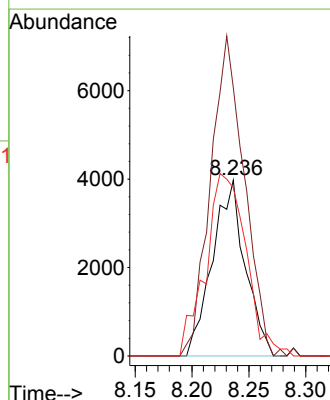
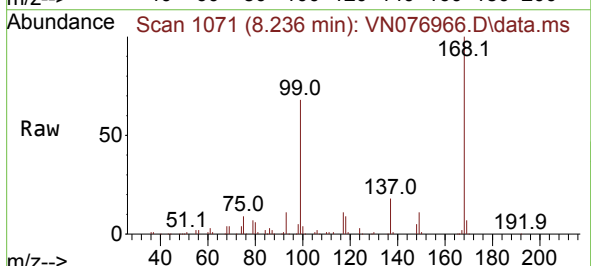
Tgt Ion: 56 Resp: 8010

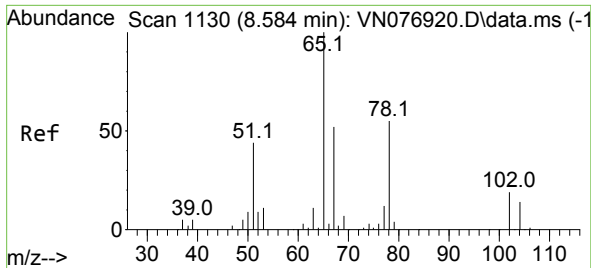
Ion Ratio Lower Upper

56 100

69 152.5 27.0 40.6#

84 95.5 82.9 124.3





#33

1,2-Dichloroethane-d4

Concen: 47.391 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076966.D

Acq: 13 Mar 2023 16:56

Instrument :

MSVOA_N

ClientSampleId :

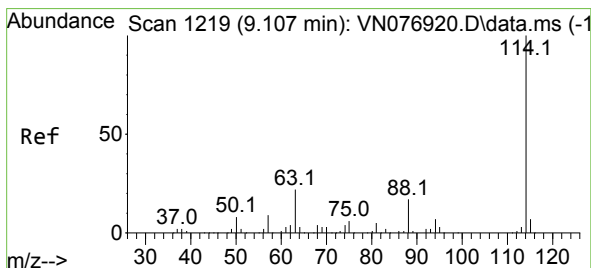
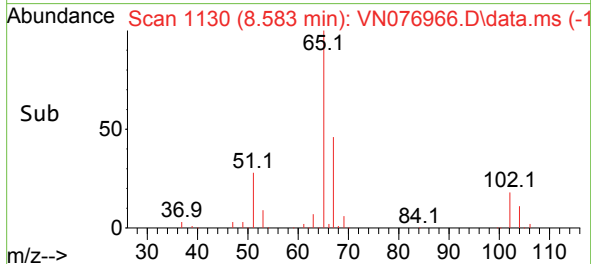
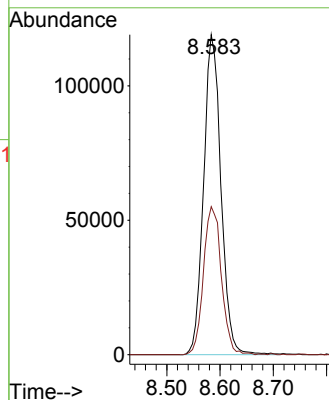
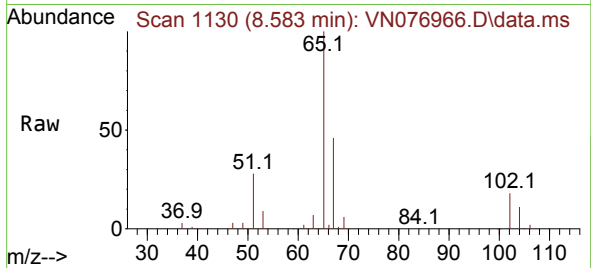
TT149S1-20230309

Tgt Ion: 65 Resp: 269358

Ion Ratio Lower Upper

65 100

67 47.7 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076966.D

Acq: 13 Mar 2023 16:56

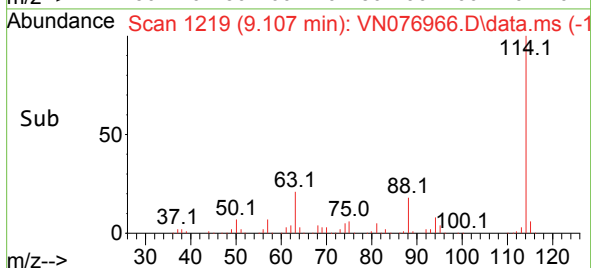
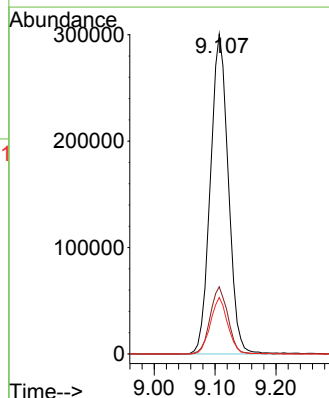
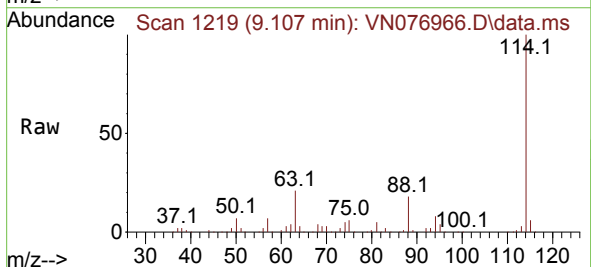
Tgt Ion: 114 Resp: 613888

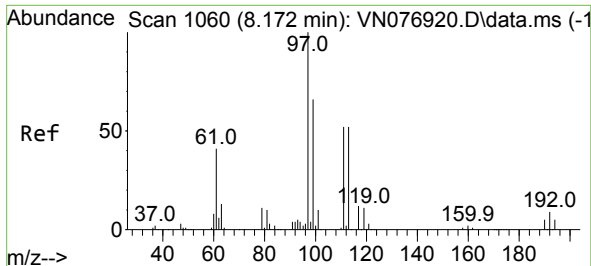
Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.6

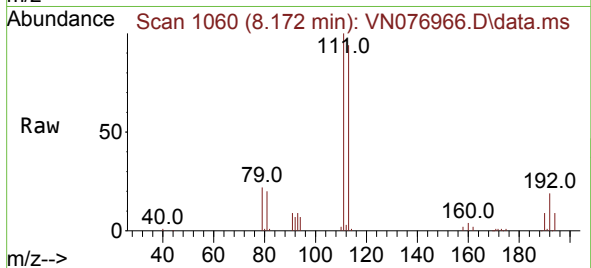
88 17.6 0.0 28.6



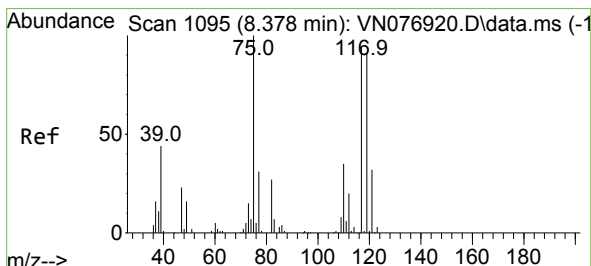
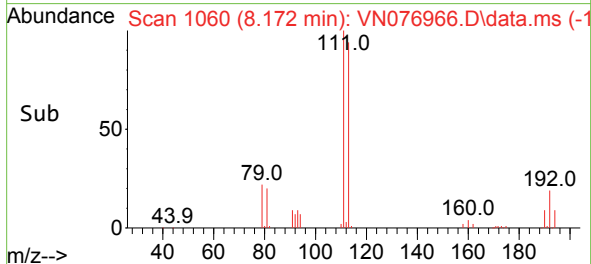
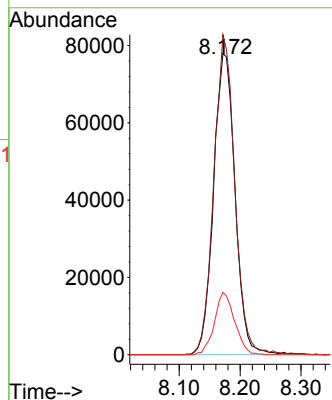


#35
Dibromofluoromethane
Concen: 46.677 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20230309

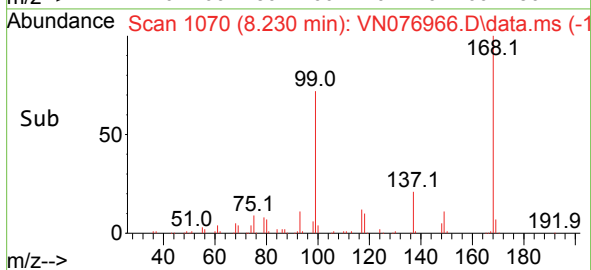
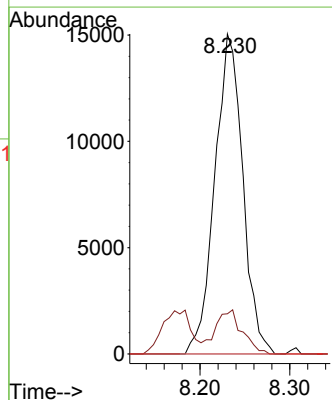
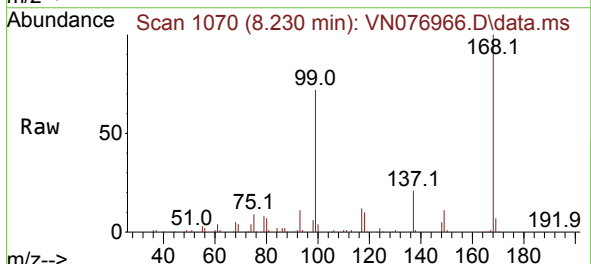


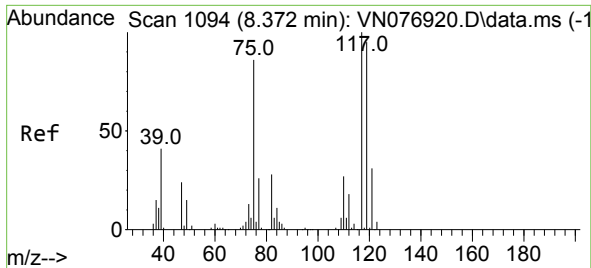
Tgt Ion:113 Resp: 190974
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.8
192 19.5 13.9 20.9



#36
1,1-Dichloropropene
Concen: 5.143 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.148 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

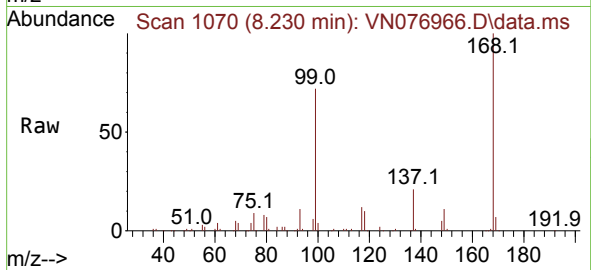
Tgt Ion: 75 Resp: 32541
Ion Ratio Lower Upper
75 100
110 13.3 18.9 56.9#
77 0.0 24.9 37.3#



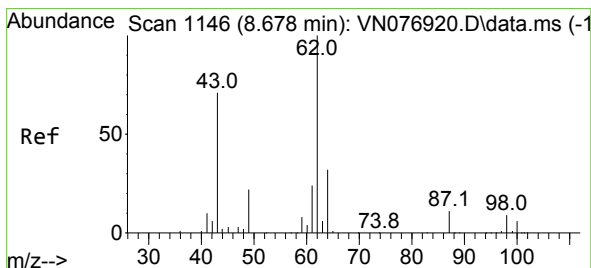
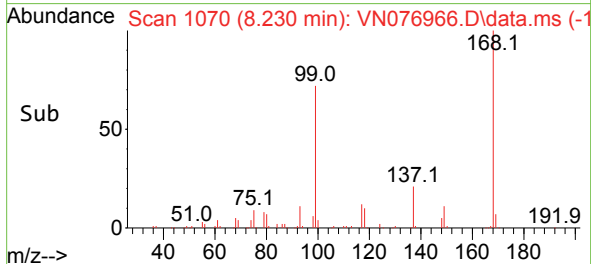
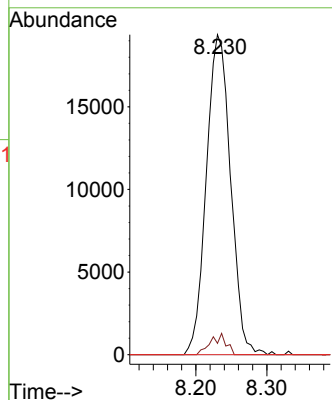


#38
Carbon Tetrachloride
Concen: 6.209 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.142 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20230309

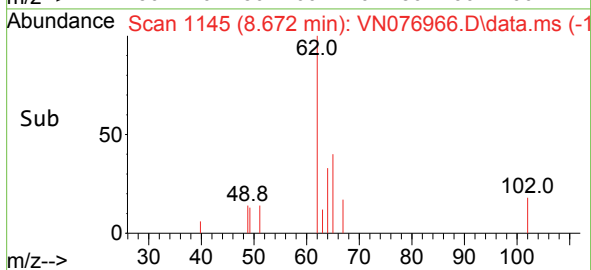
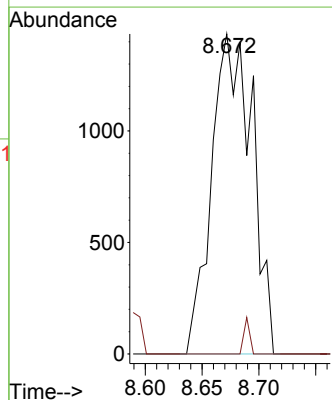
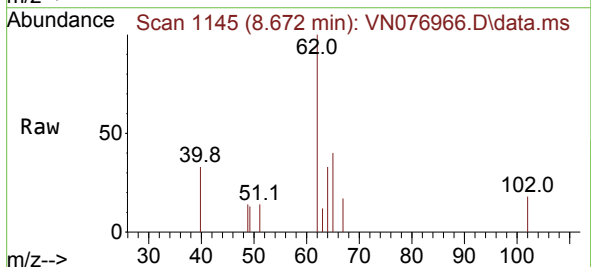


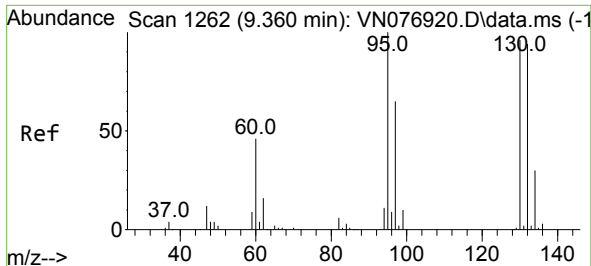
Tgt Ion:117 Resp: 45982
Ion Ratio Lower Upper
117 100
119 3.6 76.9 115.3#
121 0.0 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.491 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

Tgt Ion: 62 Resp: 3570
Ion Ratio Lower Upper
62 100
98 1.6 0.0 21.8

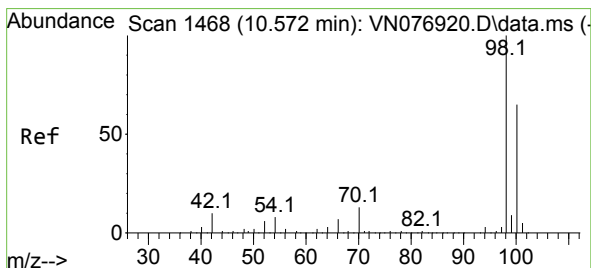
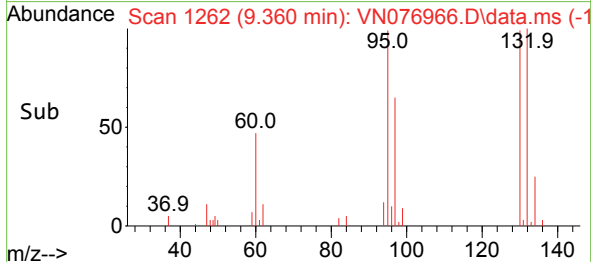
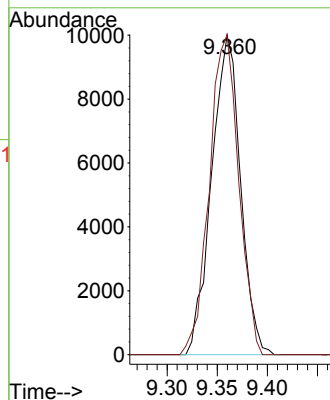
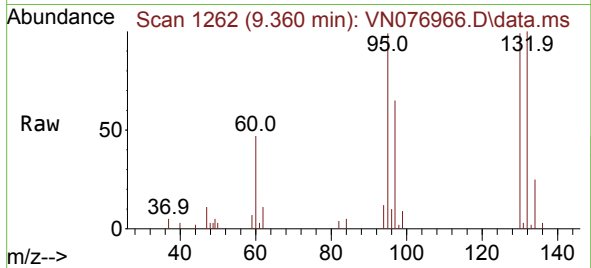




#44
Trichloroethene
Concen: 4.166 ug/l
RT: 9.360 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

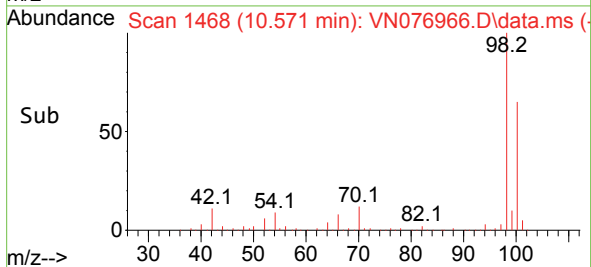
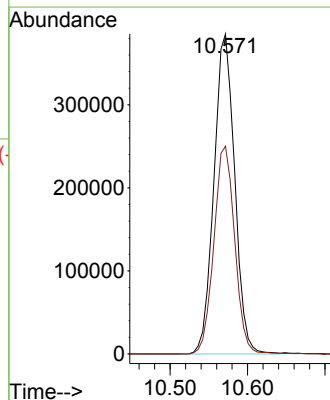
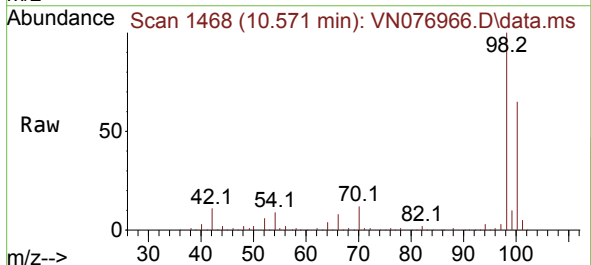
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20230309

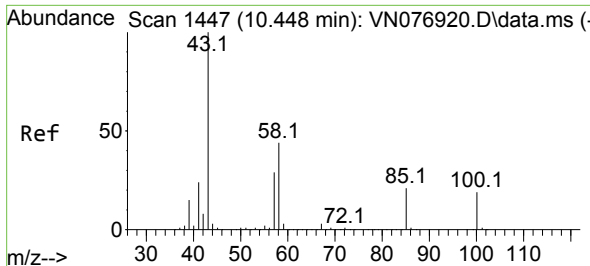
Tgt Ion:130 Resp: 20081
Ion Ratio Lower Upper
130 100
95 100.1 0.0 208.6



#50
Toluene-d8
Concen: 47.515 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

Tgt Ion: 98 Resp: 716466
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 0.472 ug/l

RT: 10.577 min Scan# 1447

Delta R.T. 0.129 min

Lab File: VN076966.D

Acq: 13 Mar 2023 16:56

Instrument :

MSVOA_N

ClientSampleId :

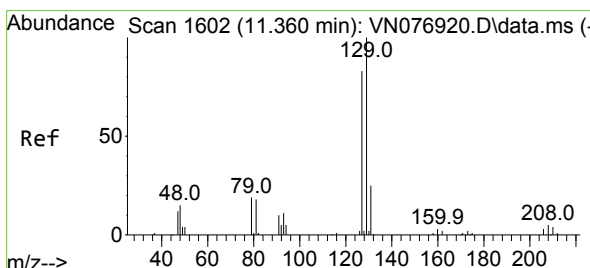
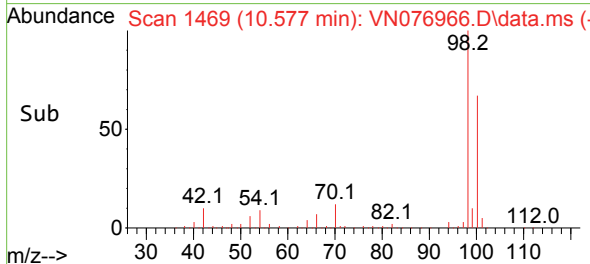
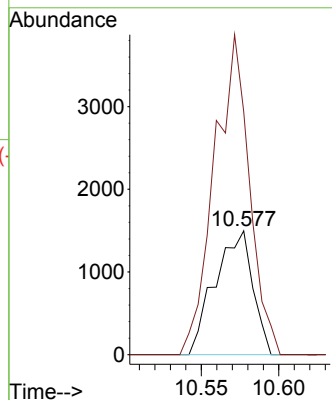
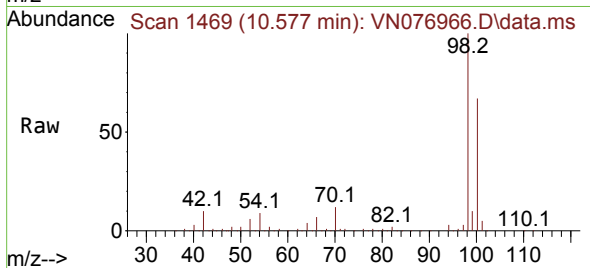
TT149S1-20230309

Tgt Ion: 43 Resp: 2532

Ion Ratio Lower Upper

43 100

58 240.2 37.4 56.0#



#60

Dibromochloromethane

Concen: 0.620 ug/l

RT: 11.107 min Scan# 1559

Delta R.T. -0.253 min

Lab File: VN076966.D

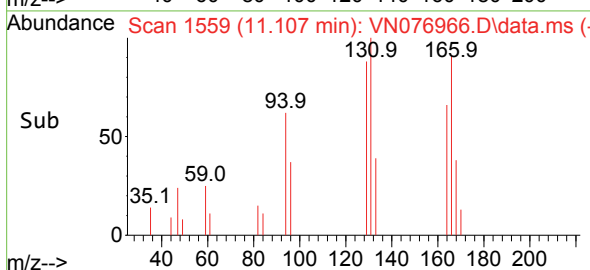
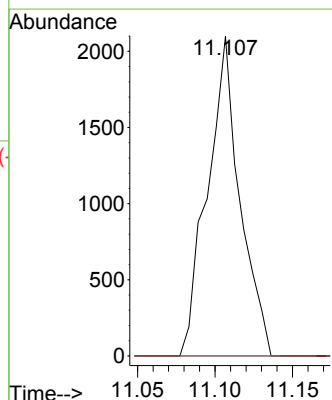
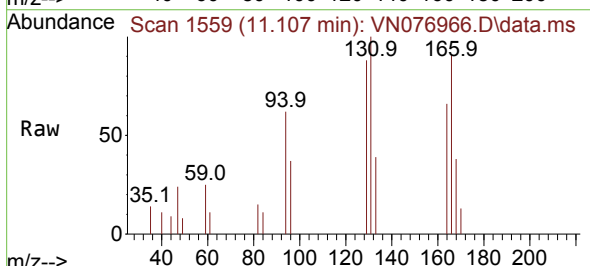
Acq: 13 Mar 2023 16:56

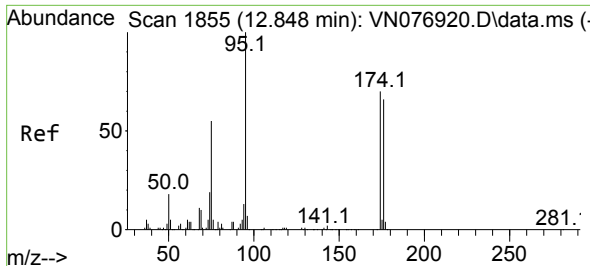
Tgt Ion: 129 Resp: 3050

Ion Ratio Lower Upper

129 100

127 0.0 39.6 118.8#

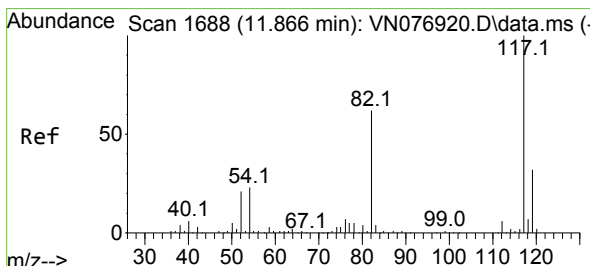
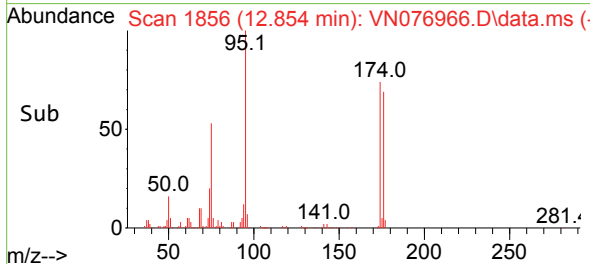
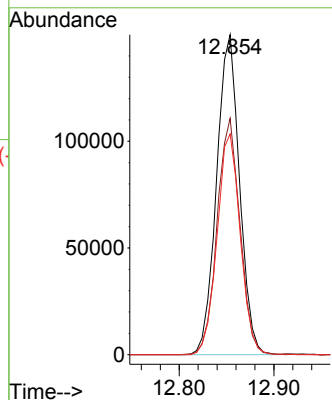
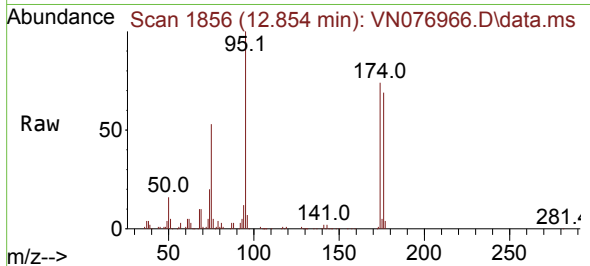




#62
4-Bromofluorobenzene
Concen: 45.744 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

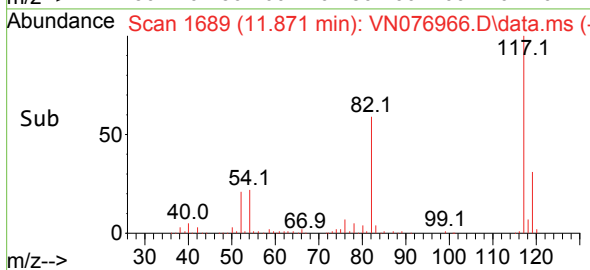
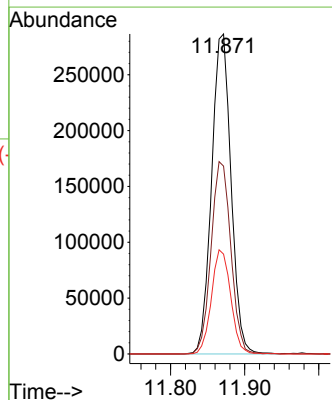
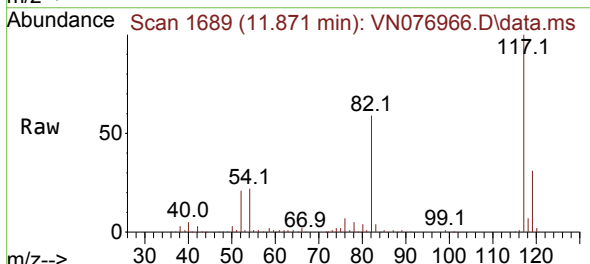
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20230309

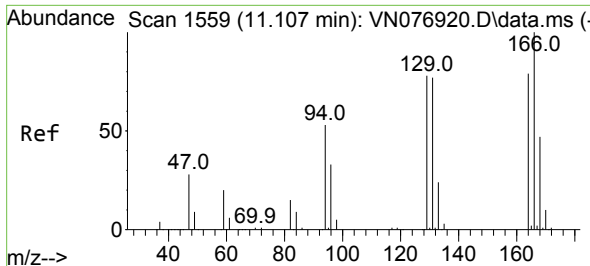
Tgt Ion: 95 Resp: 252292
Ion Ratio Lower Upper
95 100
174 73.4 0.0 162.4
176 69.6 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

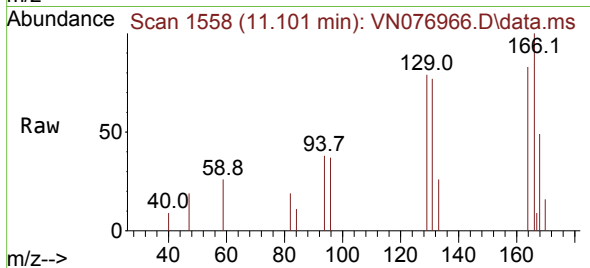
Tgt Ion: 117 Resp: 522047
Ion Ratio Lower Upper
117 100
82 58.7 43.5 65.3
119 31.2 25.5 38.3



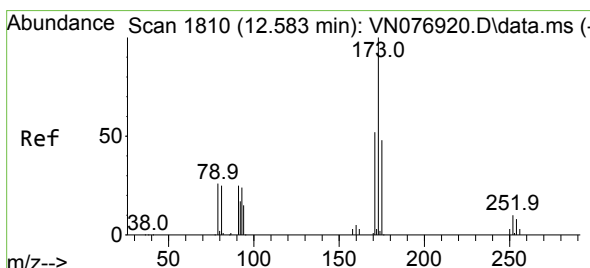
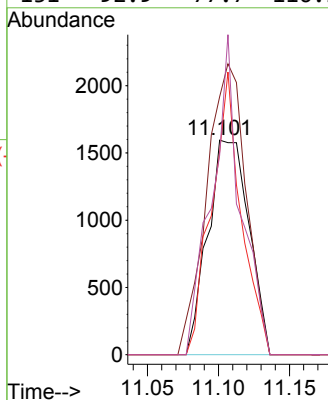
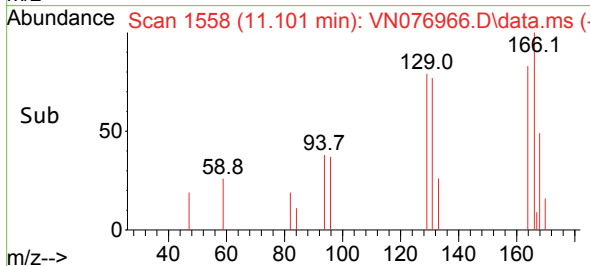


#64
Tetrachloroethene
Concen: 0.760 ug/l
RT: 11.101 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

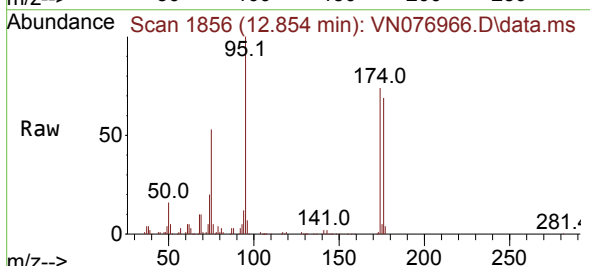
Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20230309



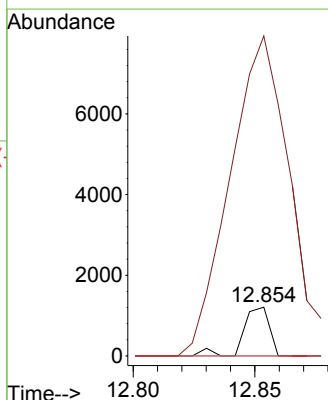
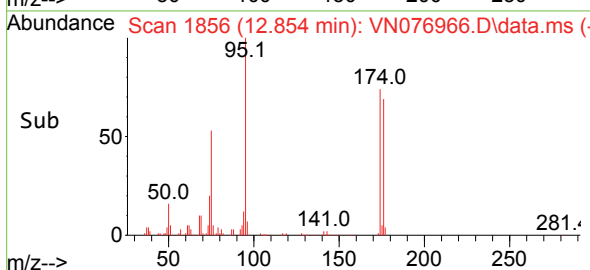
Tgt Ion:164 Resp: 3212
Ion Ratio Lower Upper
164 100
166 120.2 102.7 154.1
129 94.5 81.5 122.3
131 92.9 77.7 116.5

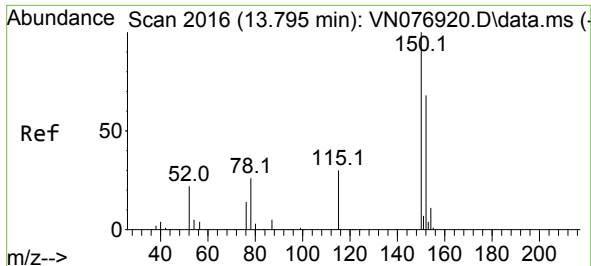


#71
Bromoform
Concen: 0.267 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56



Tgt Ion:173 Resp: 882
Ion Ratio Lower Upper
173 100
175 1257.9 24.9 74.6#
254 0.0 0.0 0.0

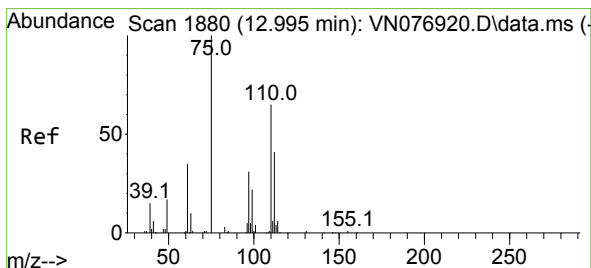
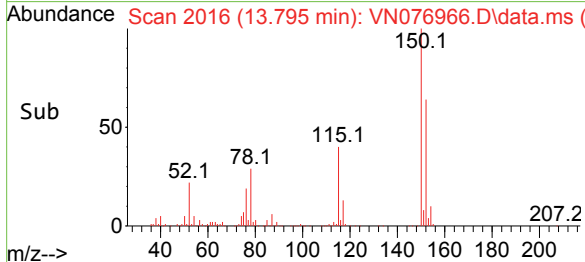
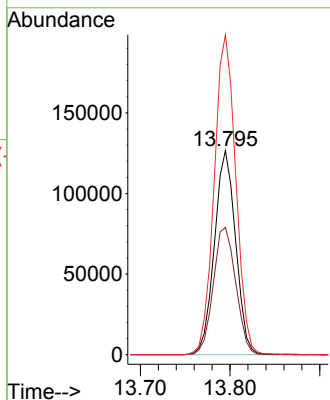
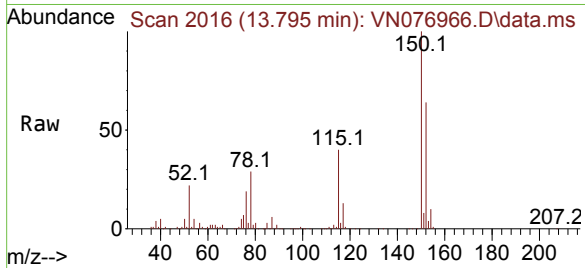




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN076966.D
 Acq: 13 Mar 2023 16:56

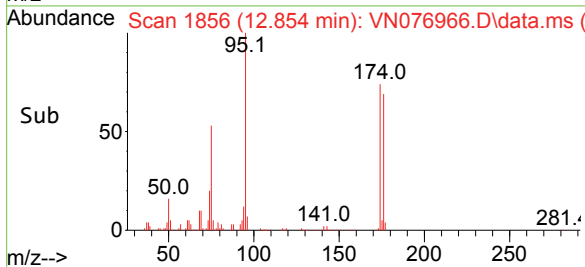
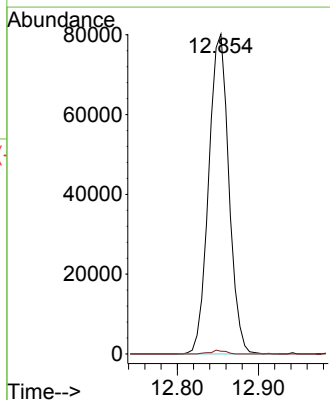
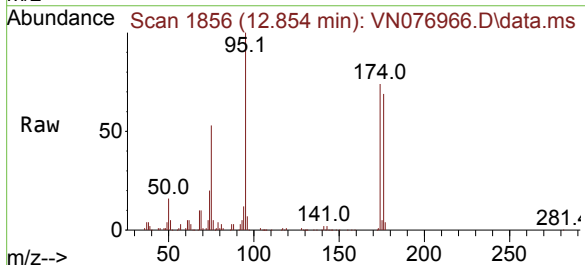
Instrument :
 MSVOA_N
 ClientSampleId :
 TT149S1-20230309

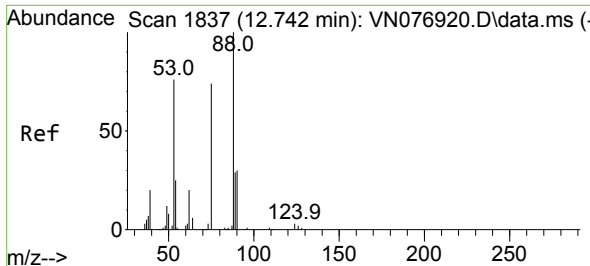
Tgt Ion:152 Resp: 207724
 Ion Ratio Lower Upper
 152 100
 115 66.2 30.3 90.9
 150 159.4 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 27.472 ug/l
 RT: 12.854 min Scan# 1856
 Delta R.T. -0.141 min
 Lab File: VN076966.D
 Acq: 13 Mar 2023 16:56

Tgt Ion: 75 Resp: 138355
 Ion Ratio Lower Upper
 75 100
 77 0.9 93.8 281.4#

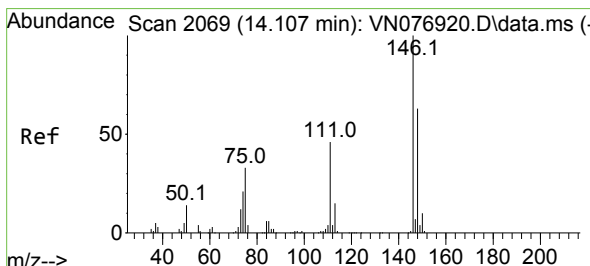
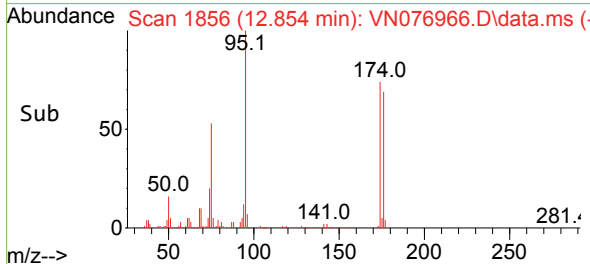
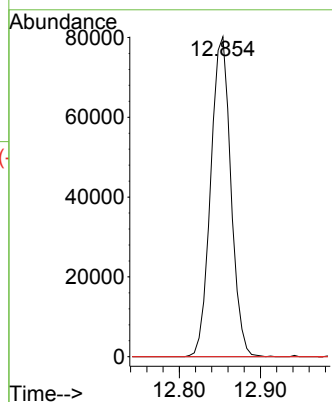
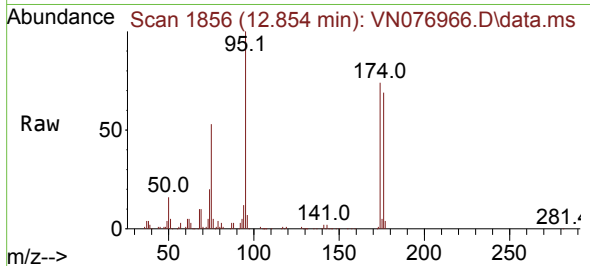




#81
trans-1,4-Dichloro-2-butene
Concen: 89.739 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

Instrument :
MSVOA_N
ClientSampleId :
TT149S1-20230309

Tgt Ion: 75 Resp: 138355
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.0#
89 0.0 39.5 59.3#



#91
1,2-Dichlorobenzene
Concen: 0.243 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN076966.D
Acq: 13 Mar 2023 16:56

Tgt Ion:146 Resp: 1840
Ion Ratio Lower Upper
146 100
111 33.6 21.4 64.2
148 64.0 32.0 96.0

