

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031922\
 Data File : VN071410.D
 Acq On : 19 Mar 2022 20:08
 Operator : JC\MD
 Sample : N1962-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 C-18-17-18

Quant Time: Mar 21 05:55:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

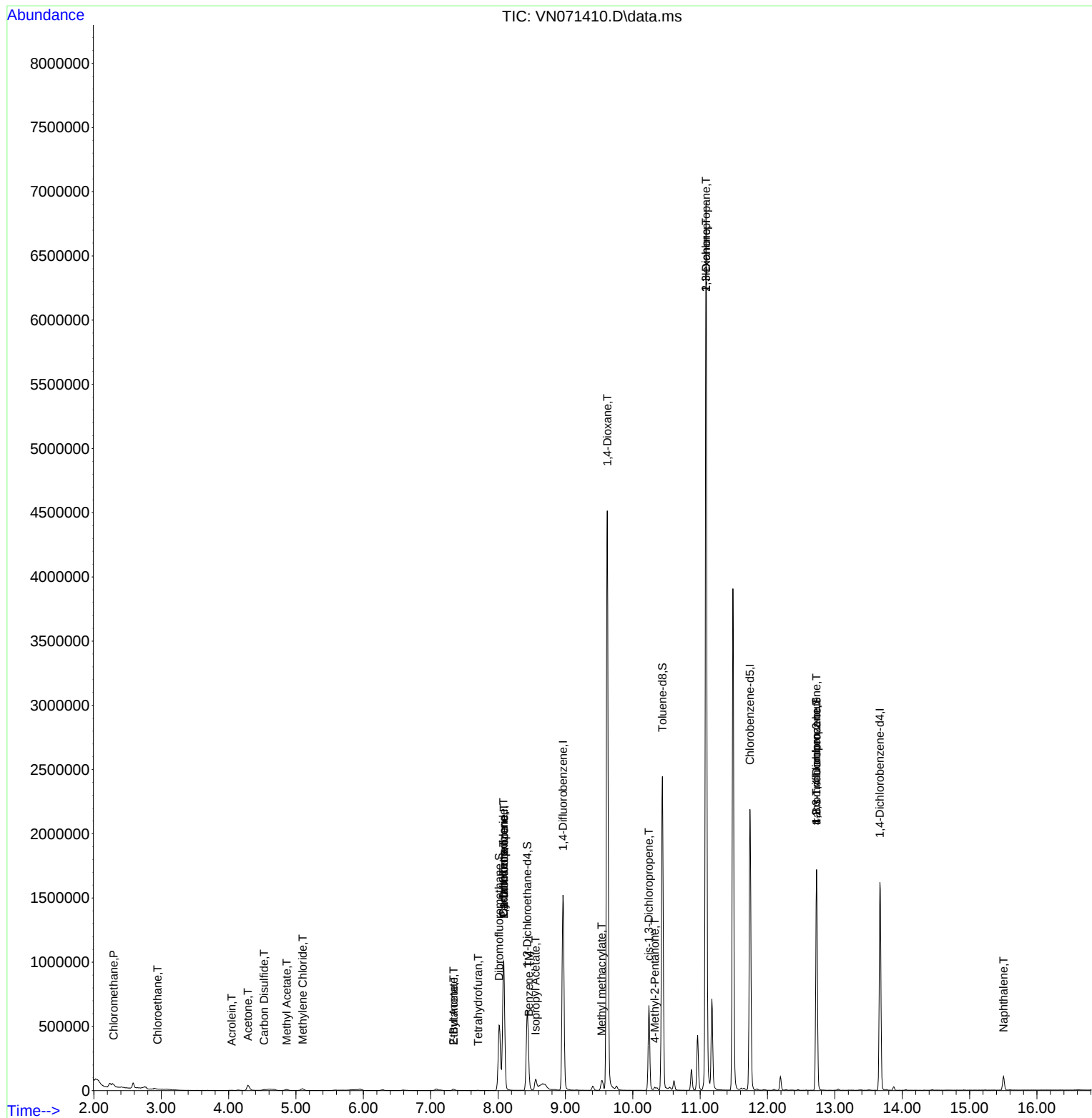
Internal Standards						
1) Pentafluorobenzene	8.087	168	773759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1322053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1253408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	448134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	500568	47.203	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.400%		
35) Dibromofluoromethane	8.016	113	380152	45.567	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.140%		
50) Toluene-d8	10.439	98	1648679	49.083	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.160%		
62) 4-Bromofluorobenzene	12.727	95	591041	51.963	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.920%		
Target Compounds						Qvalue
3) Chloromethane	2.293	50	3950	0.313	ug/l	94
5) Bromomethane	2.846	94	673	Below Cal		94
6) Chloroethane	2.946	64	2208	0.351	ug/l #	62
13) Acrolein	4.046	56	2522	1.144	ug/l	93
16) Acetone	4.287	43	71852	13.925	ug/l	98
17) Carbon Disulfide	4.528	76	7505	0.340	ug/l	96
18) Methyl Acetate	4.863	43	19508	1.865	ug/l #	90
20) Methylene Chloride	5.099	84	11287	1.570	ug/l	87
25) 2-Butanone	7.340	43	19409	2.335	ug/l	92
29) Tetrahydrofuran	7.704	42	1790	0.311	ug/l #	66
31) Cyclohexane	8.081	56	16451	0.971	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	60993	4.563	ug/l #	49
37) Ethyl Acetate	7.340	43	19409	1.055	ug/l #	68
38) Carbon Tetrachloride	8.081	117	74793	5.785	ug/l #	17
40) Benzene	8.457	78	29076	0.722	ug/l	99
43) Isopropyl Acetate	8.557	43	101917	3.705	ug/l #	83
48) Methyl methacrylate	9.539	41	24038	1.886	ug/l #	8
49) 1,4-Dioxane	9.622	88	611	2.757	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	14223	0.833	ug/l	100
54) cis-1,3-Dichloropropene	10.239	75	112189	6.927	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	70187	3.935	ug/l #	43
59) 2-Hexanone	11.086	43	1093312	93.857	ug/l #	49
75) 1,1,2,2-Tetrachloroethane	12.739	83	411	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	311028	27.358	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	311028	75.027	ug/l #	5
95) Naphthalene	15.504	128	98197	9.363	ug/l	99

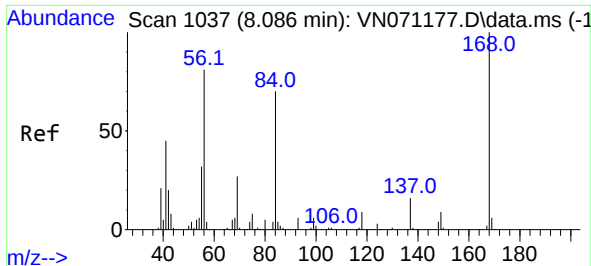
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 08 06:52:46 2022
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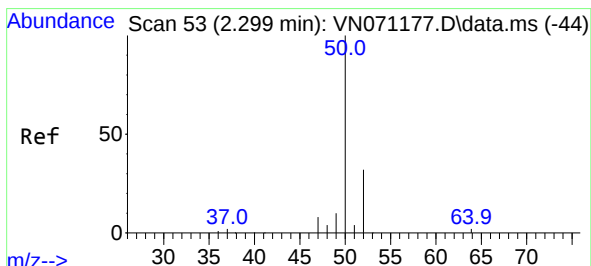
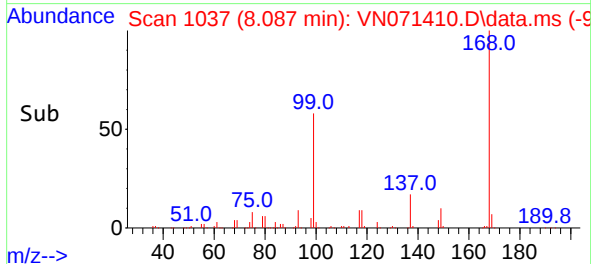
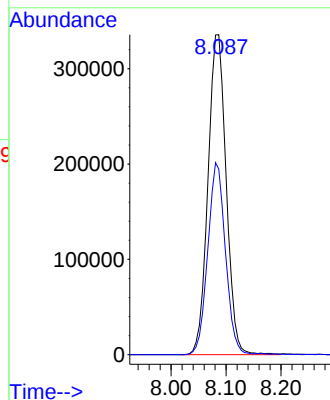
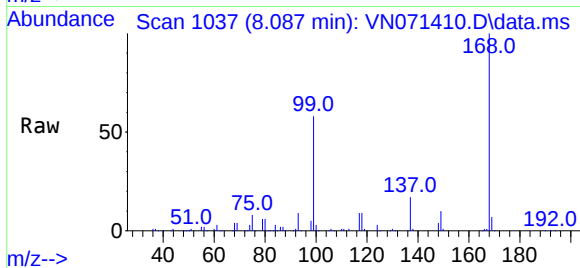




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

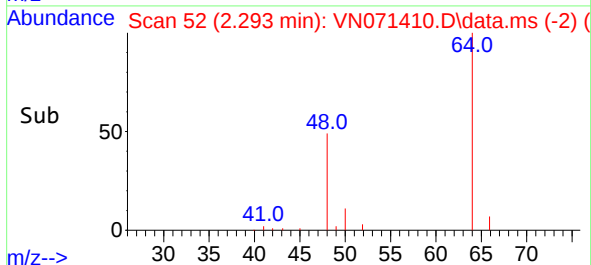
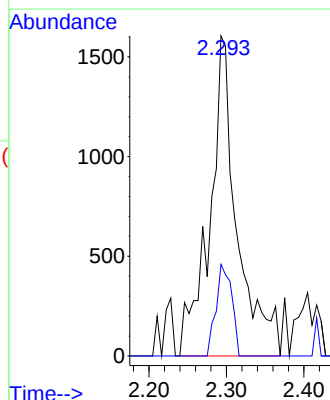
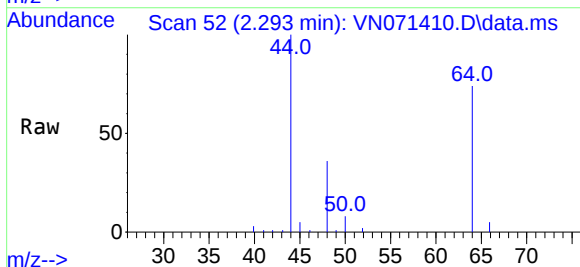
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

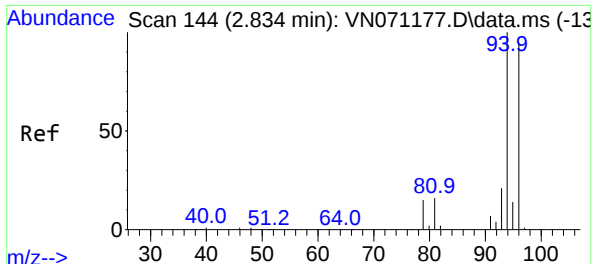
Tgt Ion:168 Resp: 773759
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9



#3
Chloromethane
Concen: 0.313 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 50 Resp: 3950
Ion Ratio Lower Upper
50 100
52 28.6 25.4 38.0

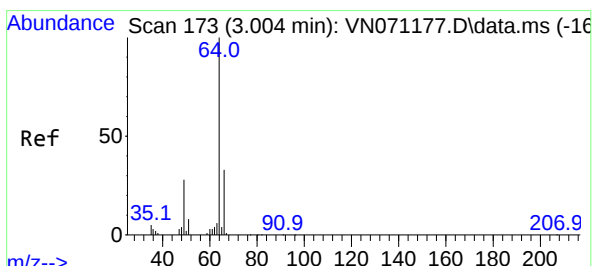
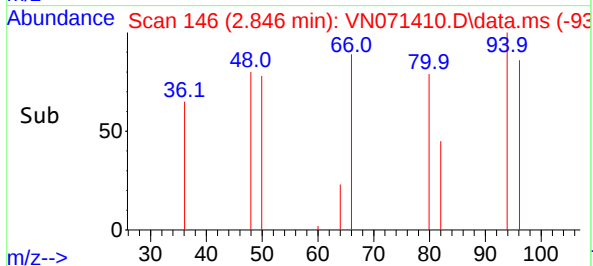
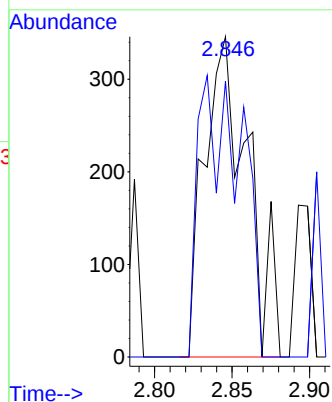
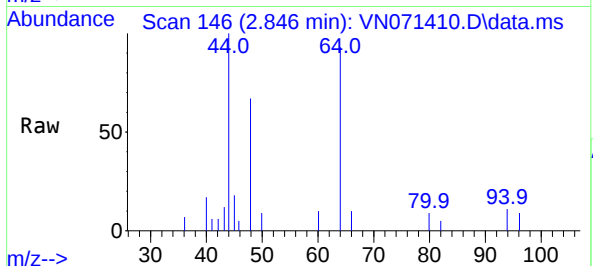




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 144
Delta R.T. 0.012 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

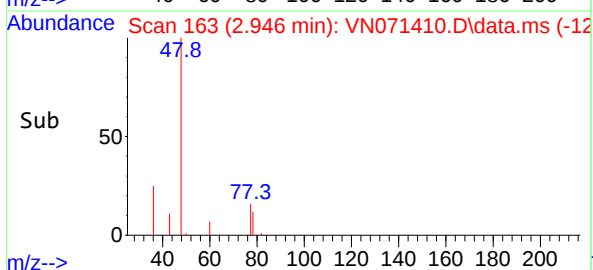
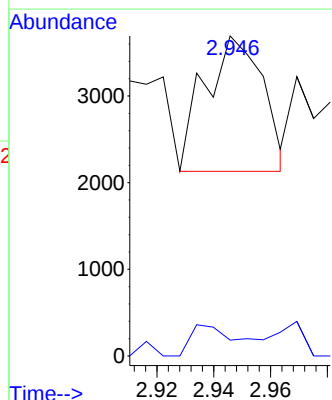
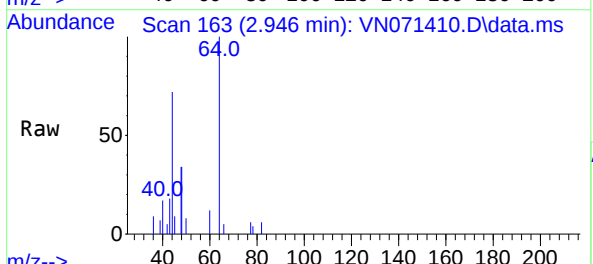
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

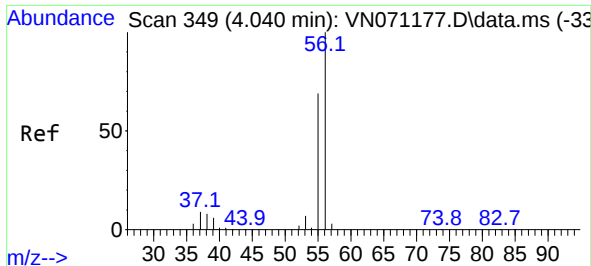
Tgt Ion: 94 Resp: 673
Ion Ratio Lower Upper
94 100
96 86.1 73.8 110.8



#6
Chloroethane
Concen: 0.351 ug/l
RT: 2.946 min Scan# 163
Delta R.T. -0.058 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 64 Resp: 2208
Ion Ratio Lower Upper
64 100
66 11.6 26.3 39.5#

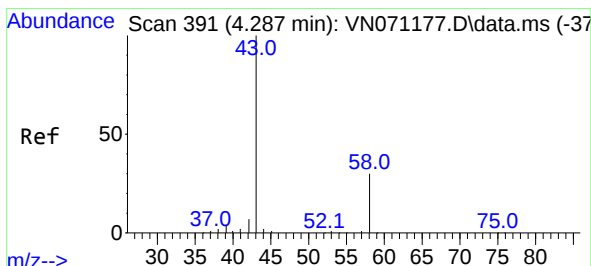
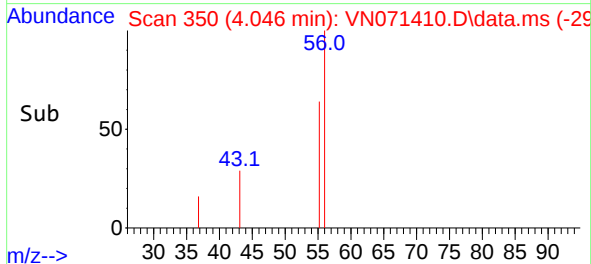
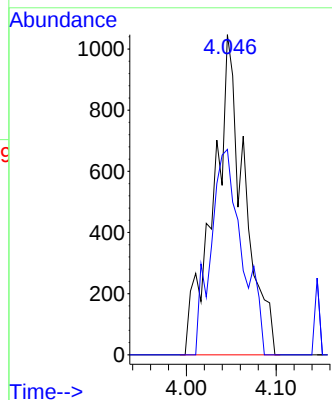
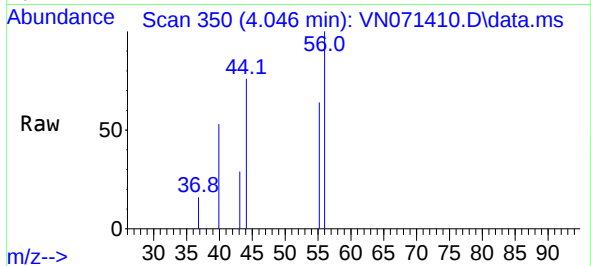




#13
Acrolein
Concen: 1.144 ug/l
RT: 4.046 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

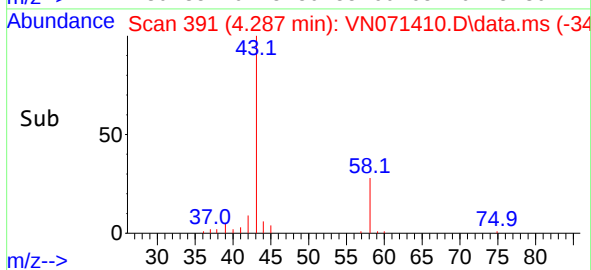
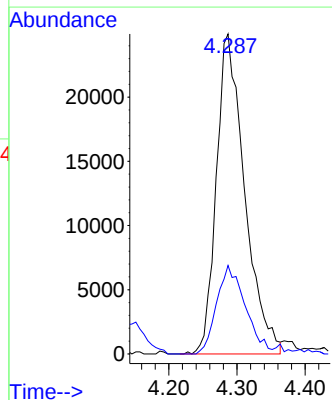
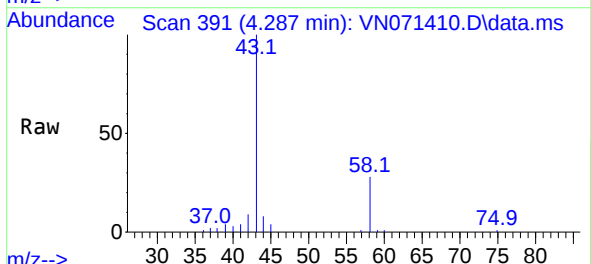
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

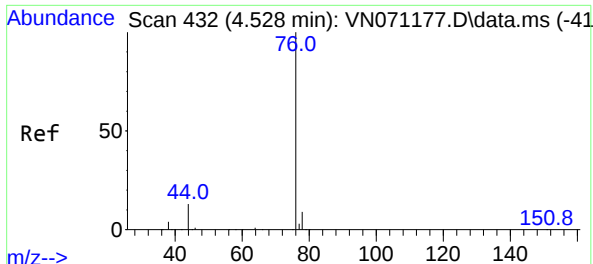
Tgt Ion: 56 Resp: 2522
Ion Ratio Lower Upper
56 100
55 64.9 56.6 85.0



#16
Acetone
Concen: 13.925 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.000 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 43 Resp: 71852
Ion Ratio Lower Upper
43 100
58 27.7 23.1 34.7

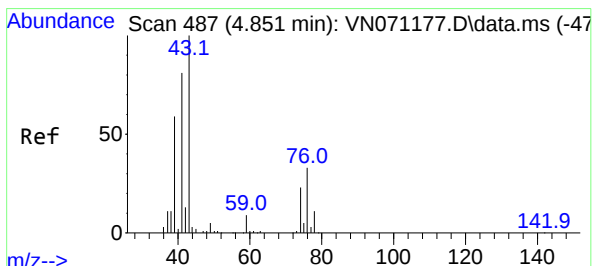
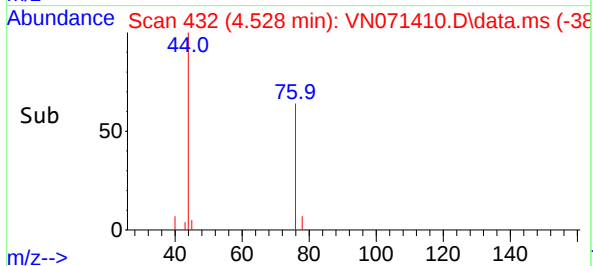
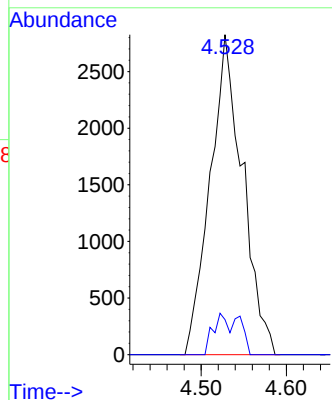
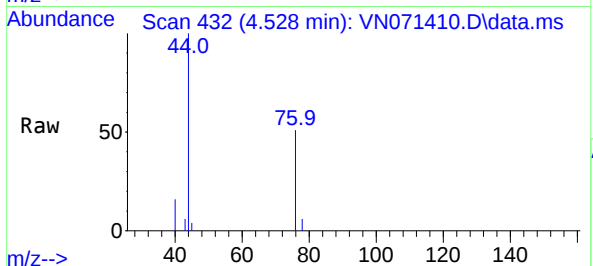




#17
Carbon Disulfide
Concen: 0.340 ug/l
RT: 4.528 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

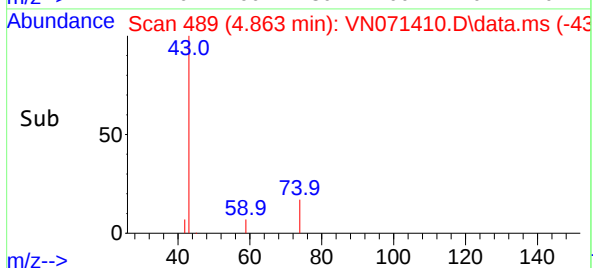
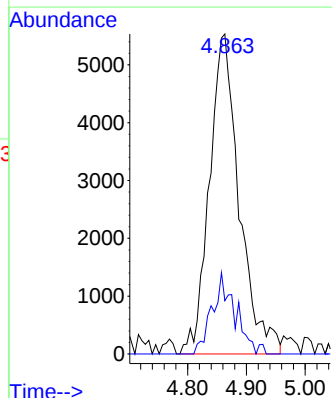
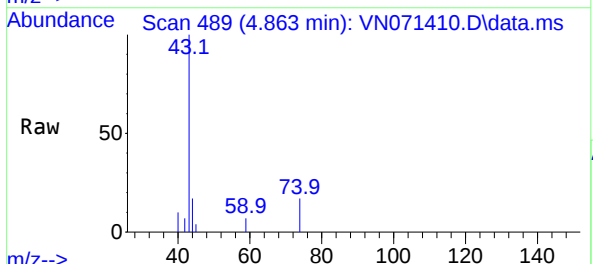
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

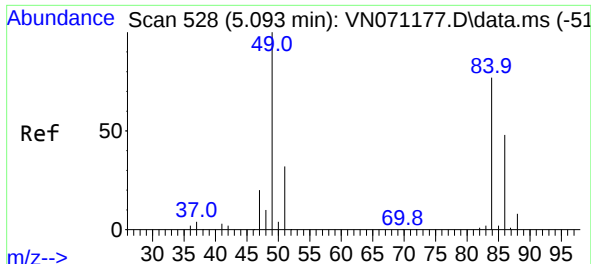
Tgt Ion: 76 Resp: 7505
Ion Ratio Lower Upper
76 100
78 10.9 7.5 11.3



#18
Methyl Acetate
Concen: 1.865 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 43 Resp: 19508
Ion Ratio Lower Upper
43 100
74 19.1 19.4 29.2#



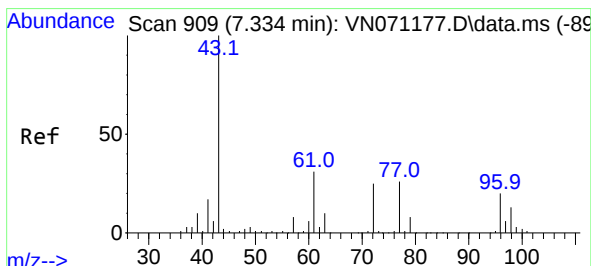
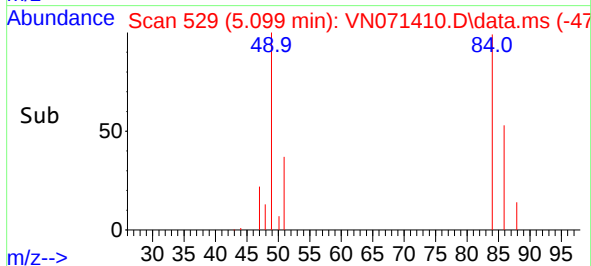
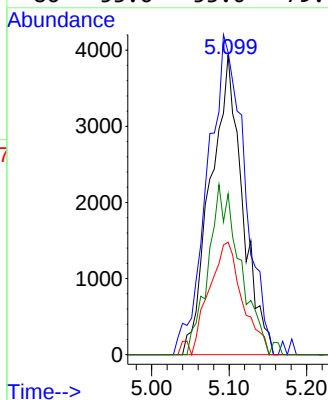
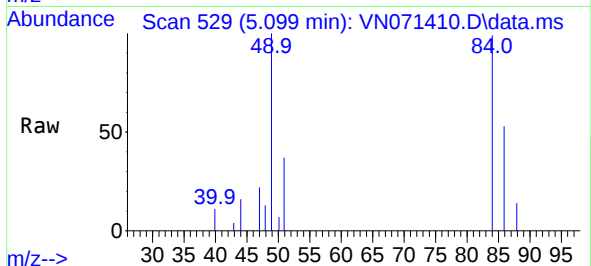


#20
Methylene Chloride
Concen: 1.570 ug/l
RT: 5.099 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

Tgt Ion: 84 Resp: 11287

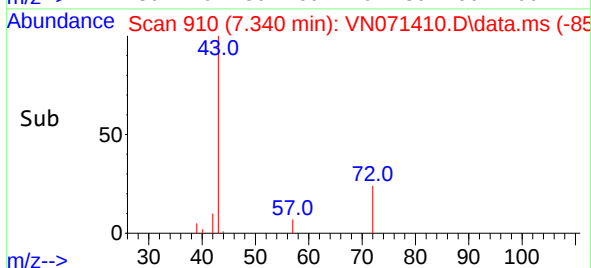
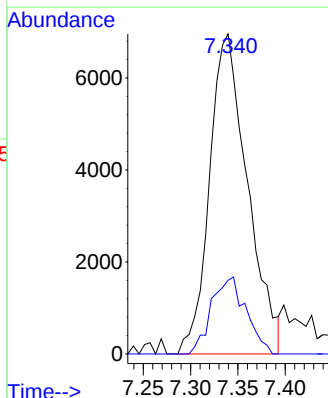
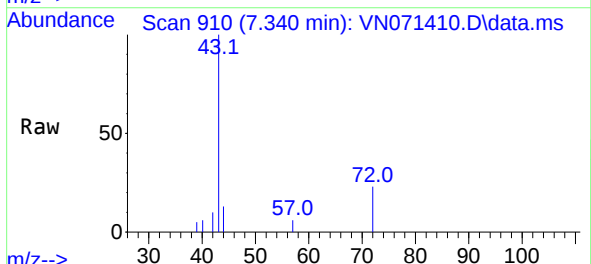
Ion	Ratio	Lower	Upper
84	100		
49	100.8	93.5	140.3
51	37.5	29.4	44.2
86	53.6	53.0	79.4

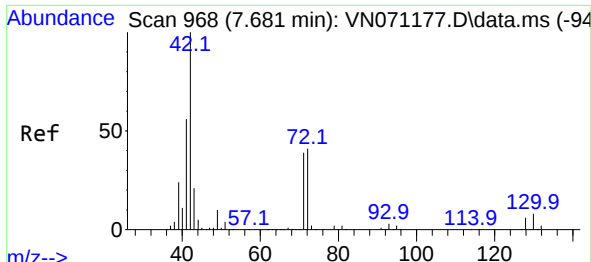


#25
2-Butanone
Concen: 2.335 ug/l
RT: 7.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 43 Resp: 19409

Ion	Ratio	Lower	Upper
43	100		
72	23.0	21.7	32.5

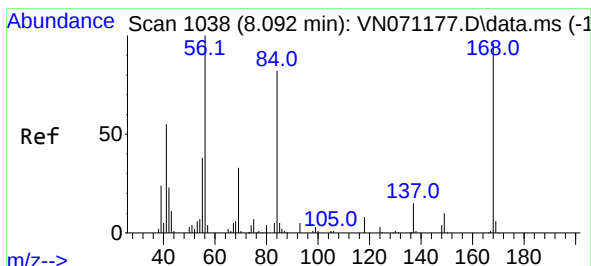
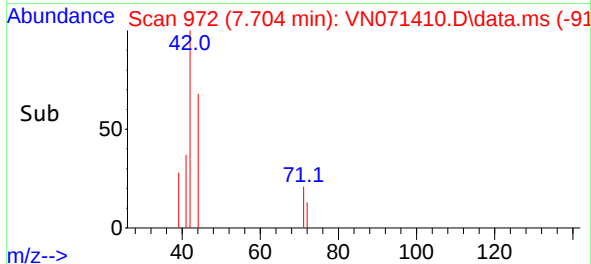
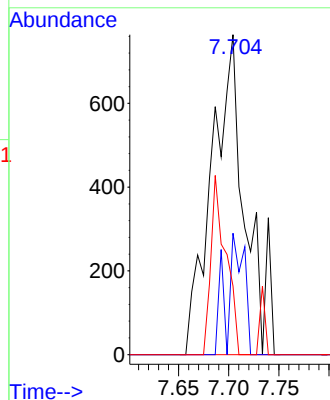
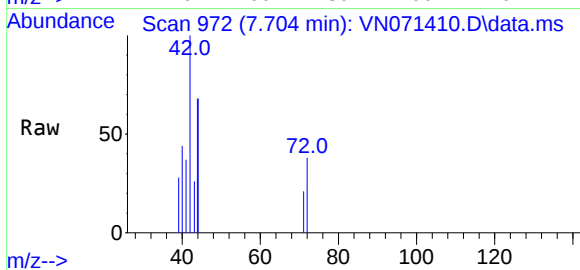




#29
Tetrahydrofuran
Concen: 0.311 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.024 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

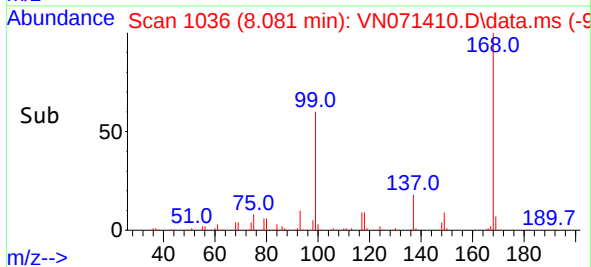
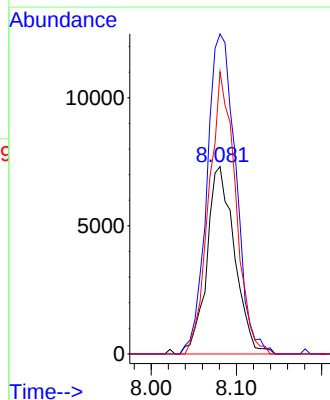
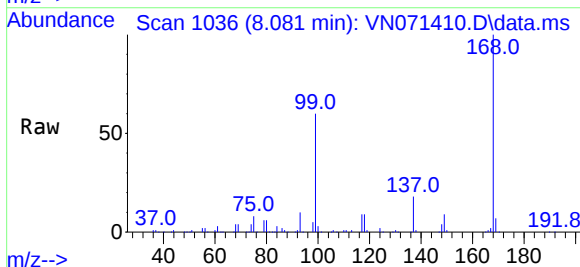
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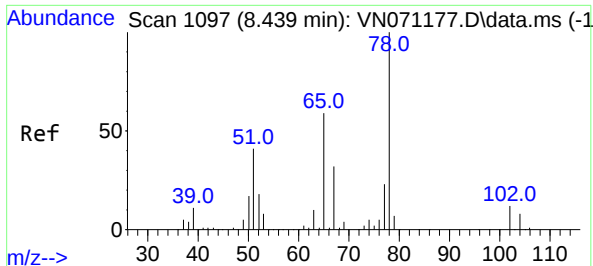
Tgt Ion: 42 Resp: 1790
Ion Ratio Lower Upper
42 100
72 19.6 36.3 54.5#
71 24.9 34.7 52.1#



#31
Cyclohexane
Concen: 0.971 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 56 Resp: 16451
Ion Ratio Lower Upper
56 100
69 170.8 27.1 40.7#
84 150.6 73.4 110.0#

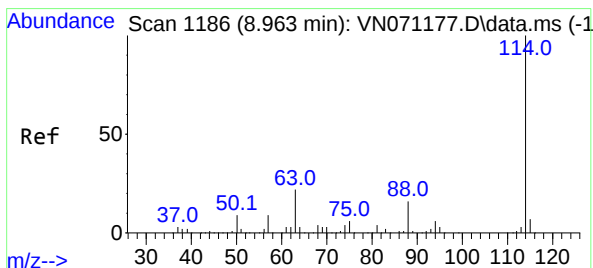
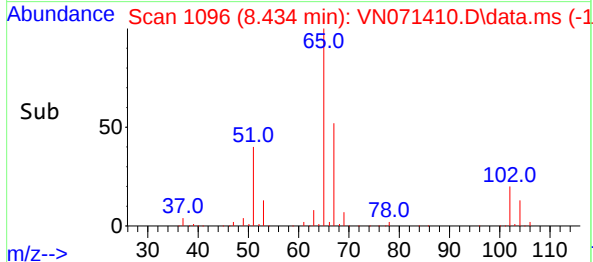
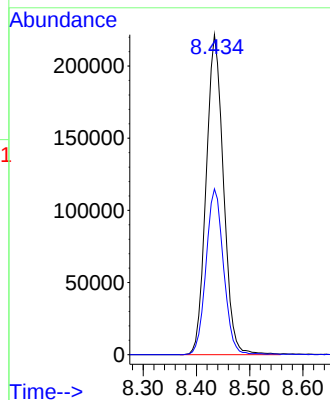
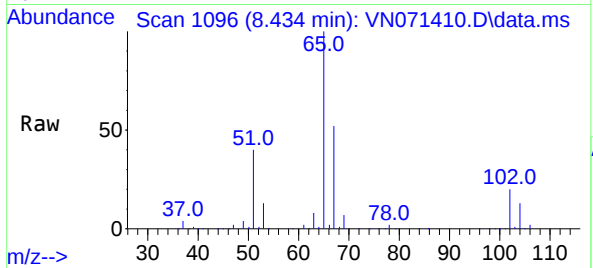




#33
1,2-Dichloroethane-d4
Concen: 47.203 ug/l
RT: 8.434 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

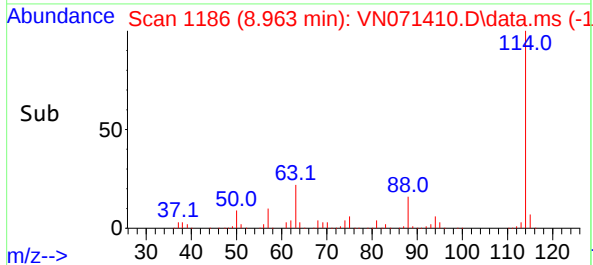
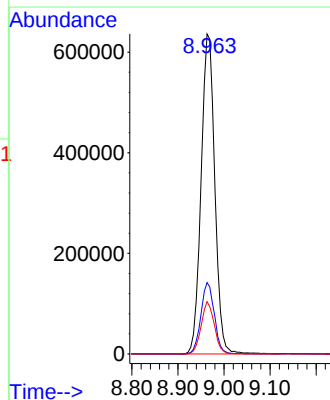
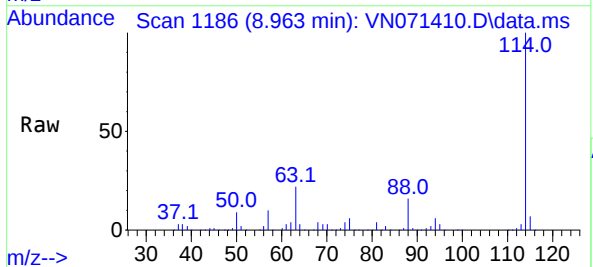
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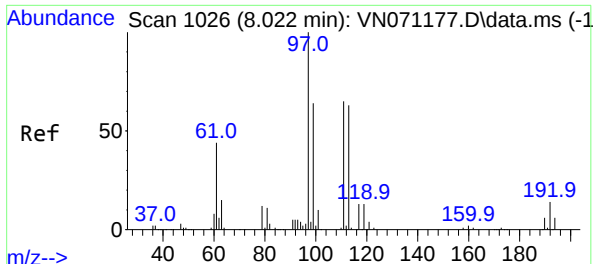
Tgt Ion: 65 Resp: 500568
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 114 Resp: 1322053
Ion Ratio Lower Upper
114 100
63 22.3 0.0 37.8
88 16.3 0.0 27.4





#35

Dibromofluoromethane

Concen: 45.567 ug/l

RT: 8.016 min Scan# 10

Delta R.T. -0.006 min

Lab File: VN071410.D

Acq: 19 Mar 2022 20:08

Instrument :

MSVOA_N

ClientSampleId :

C-18-17-18

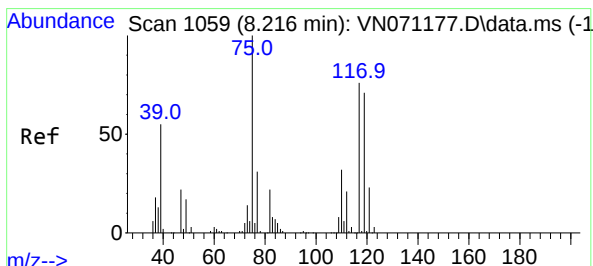
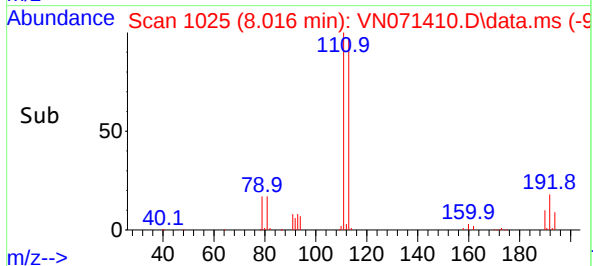
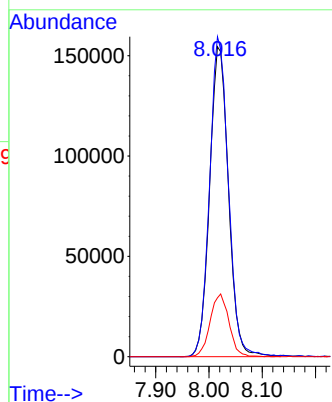
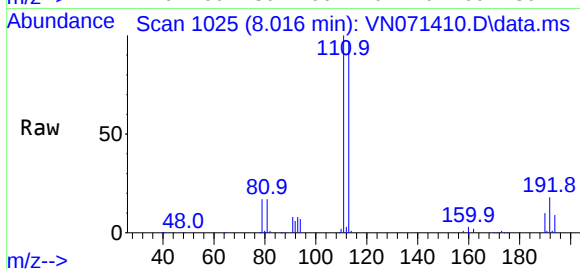
Tgt Ion:113 Resp: 380152

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 20.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.563 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071410.D

Acq: 19 Mar 2022 20:08

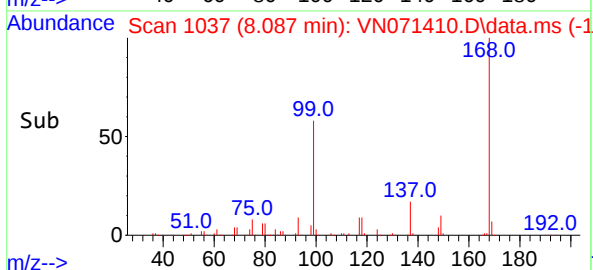
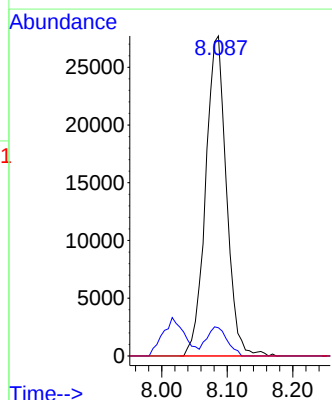
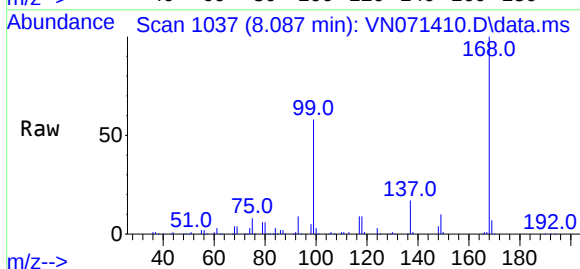
Tgt Ion: 75 Resp: 60993

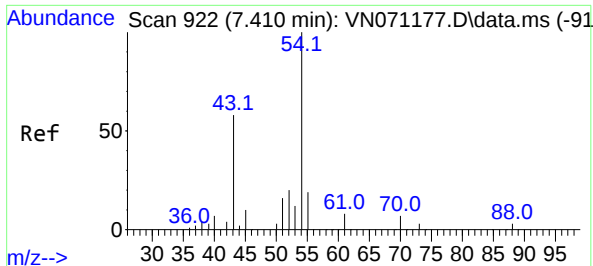
Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 24.4 36.6#

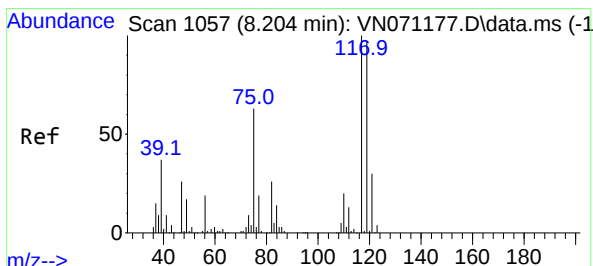
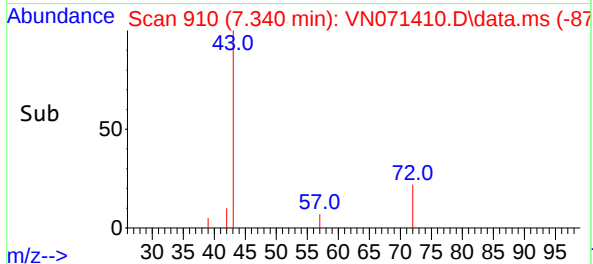
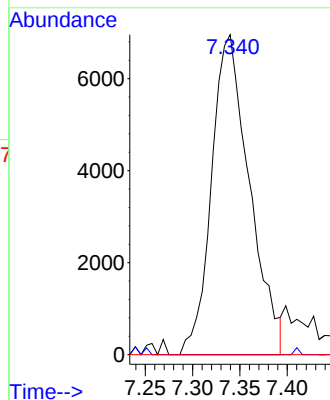
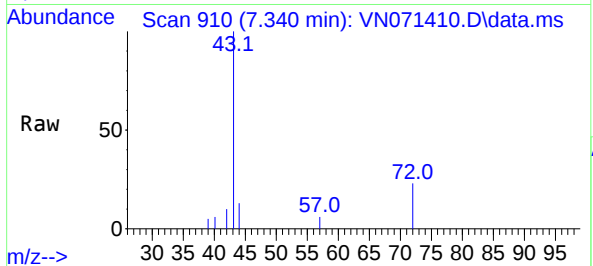




#37
Ethyl Acetate
Concen: 1.055 ug/l
RT: 7.340 min Scan# 91
Delta R.T. -0.070 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

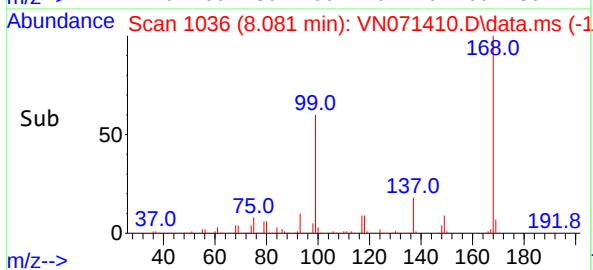
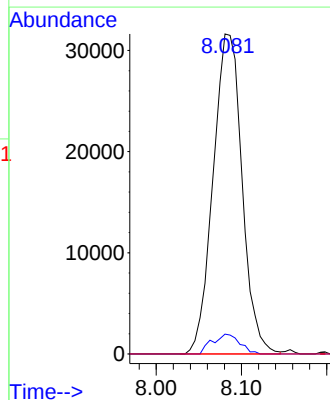
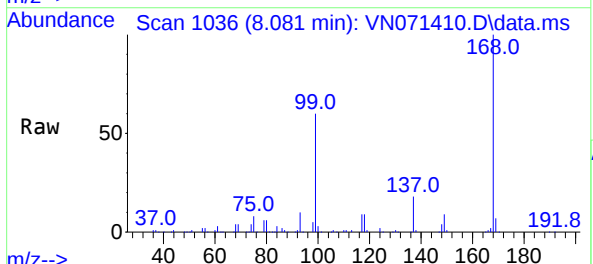
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

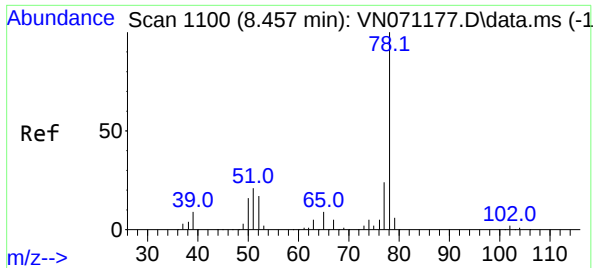
Tgt Ion: 43 Resp: 19409
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.123 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 117 Resp: 74793
Ion Ratio Lower Upper
117 100
119 6.2 76.1 114.1#
121 0.0 24.2 36.2#

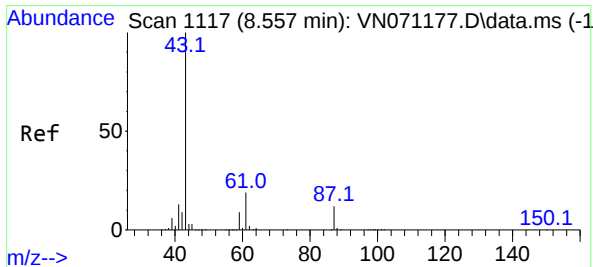
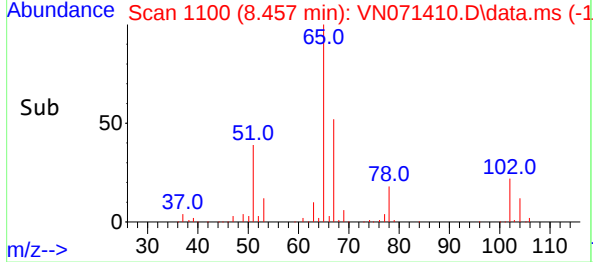
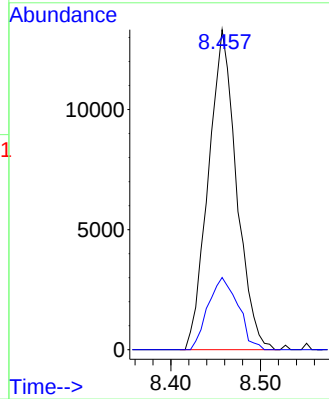
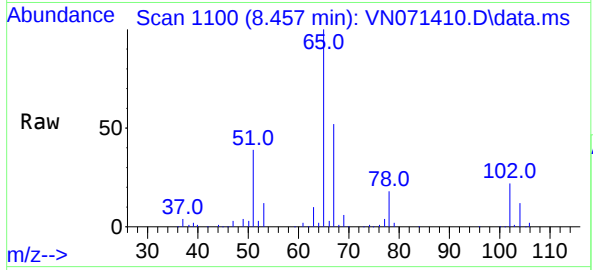




#40
Benzene
Concen: 0.722 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

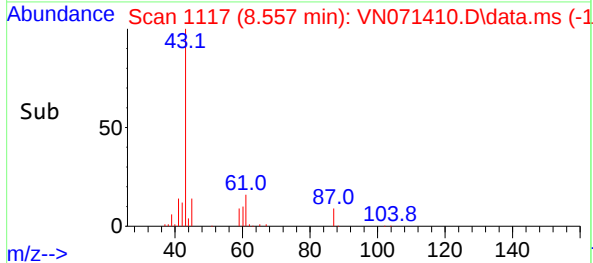
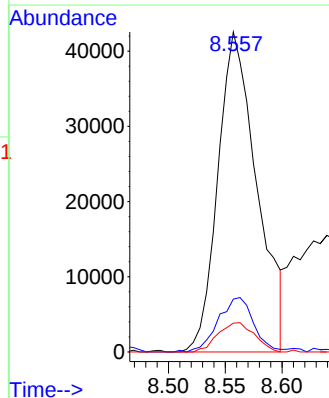
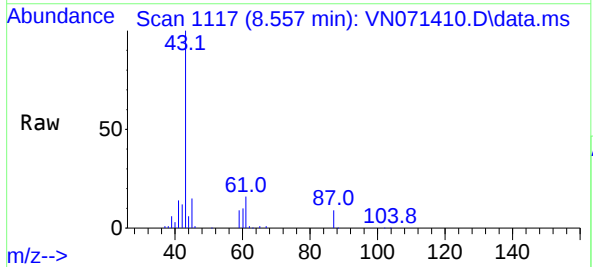
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

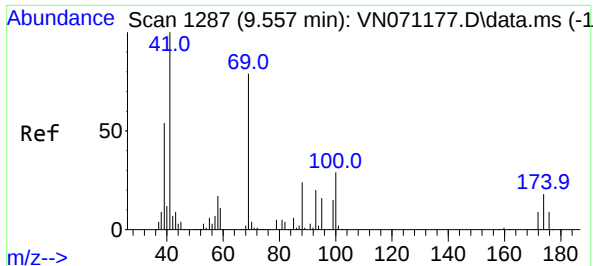
Tgt Ion: 78 Resp: 29076
Ion Ratio Lower Upper
78 100
77 22.6 18.6 27.8



#43
Isopropyl Acetate
Concen: 3.705 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 43 Resp: 101917
Ion Ratio Lower Upper
43 100
61 15.8 20.4 30.6#
87 8.5 11.2 16.8#

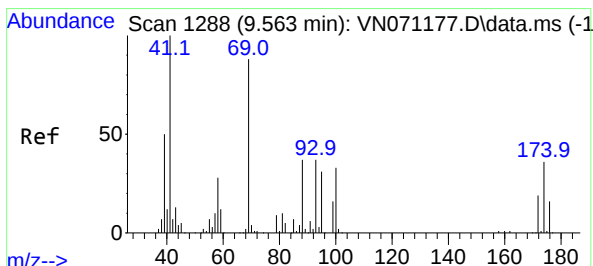
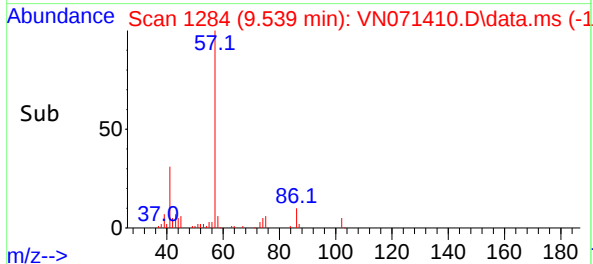
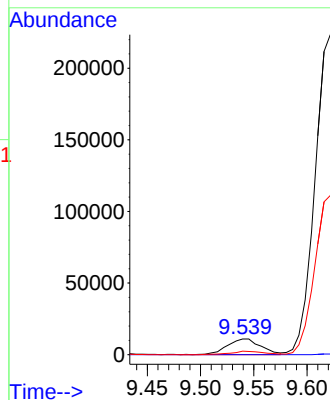
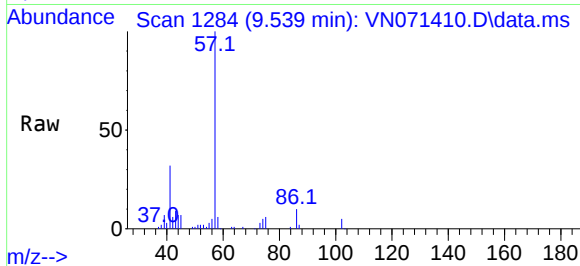




#48
Methyl methacrylate
Concen: 1.886 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

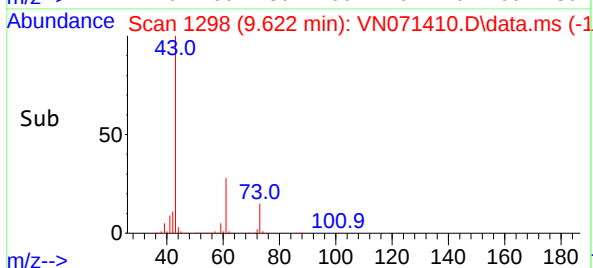
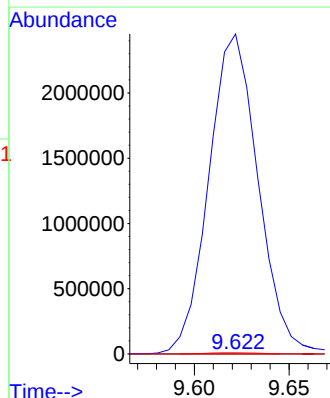
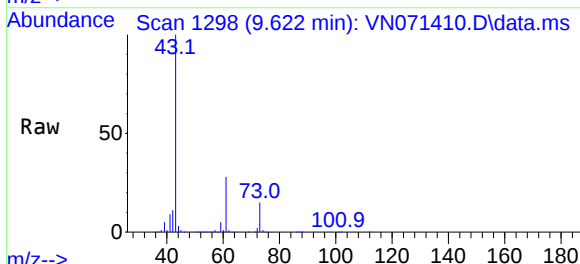
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

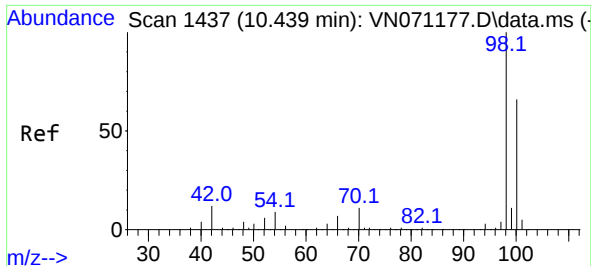
Tgt Ion: 41 Resp: 24038
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 2.757 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 88 Resp: 611
Ion Ratio Lower Upper
88 100
43 736654.2 23.4 35.2#
58 3055.3 50.6 75.8#

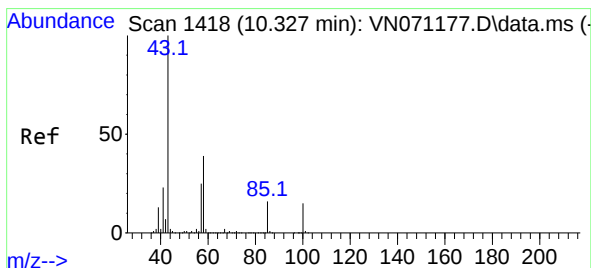
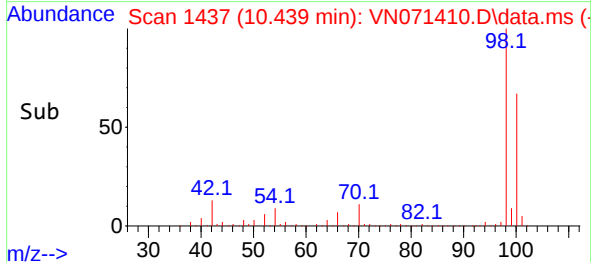
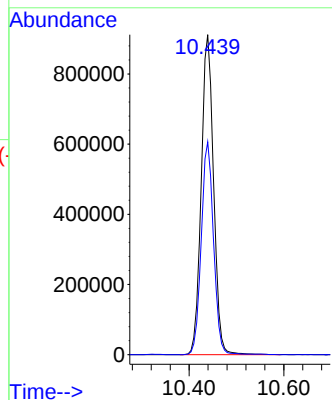
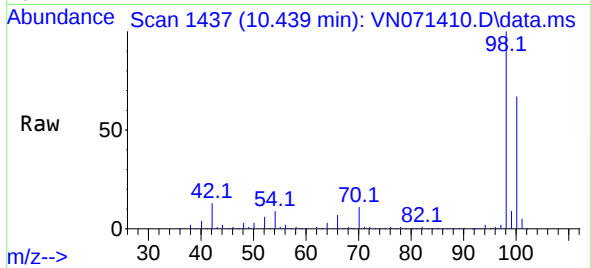




#50
Toluene-d8
Concen: 49.083 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

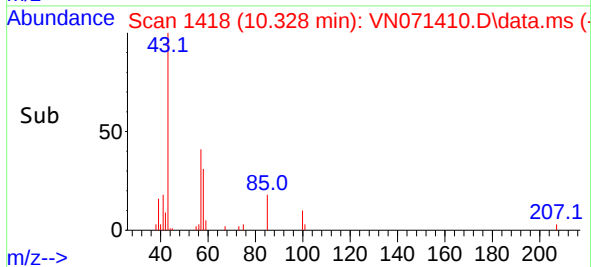
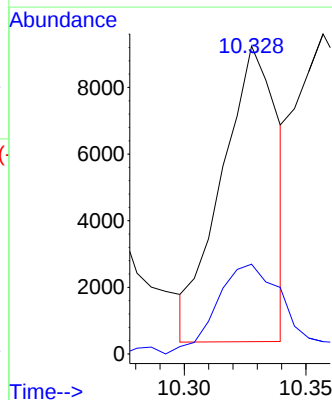
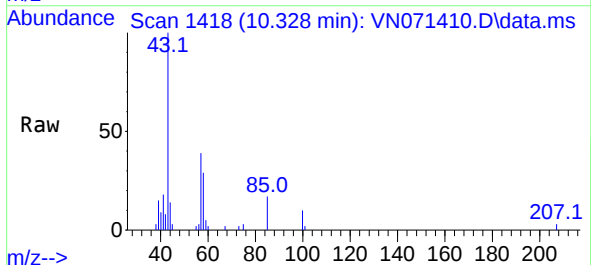
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

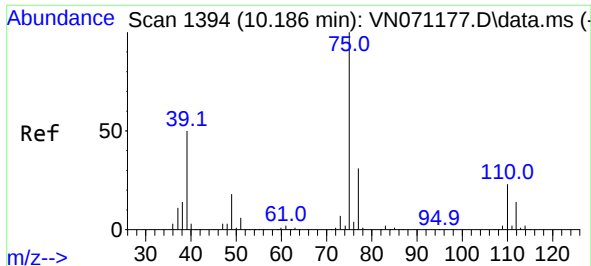
Tgt Ion: 98 Resp: 1648679
Ion Ratio Lower Upper
98 100
100 66.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.833 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 43 Resp: 14223
Ion Ratio Lower Upper
43 100
58 38.1 30.4 45.6

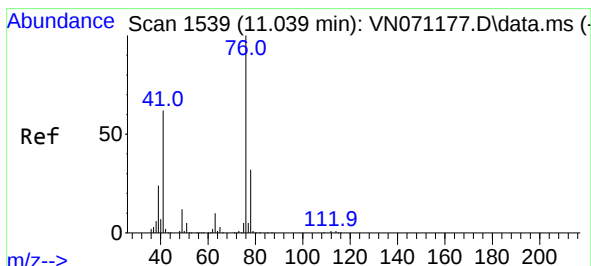
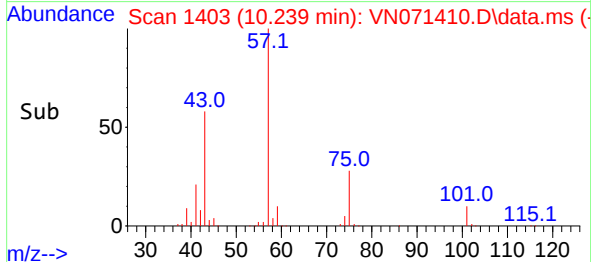
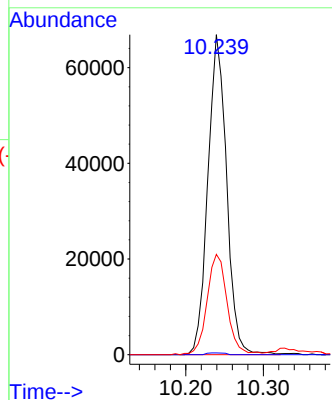
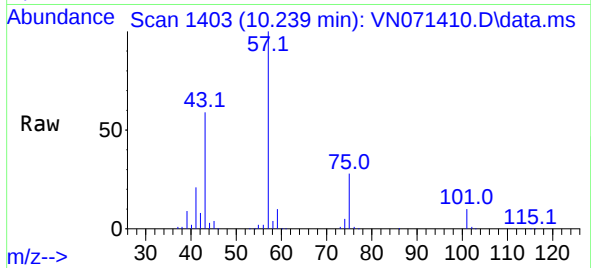




#54
cis-1,3-Dichloropropene
Concen: 6.927 ug/l
RT: 10.239 min Scan# 141
Delta R.T. 0.053 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

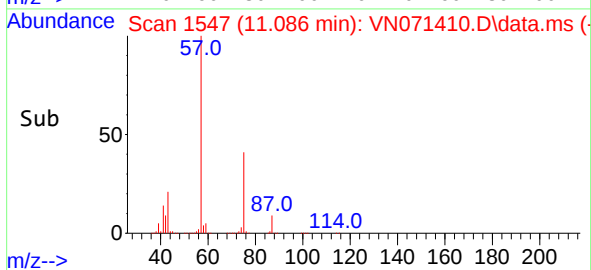
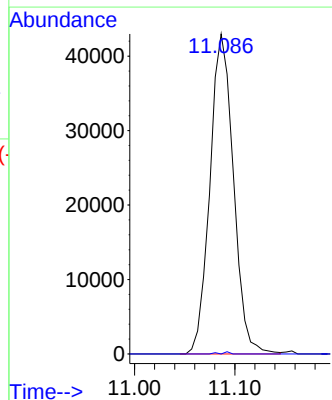
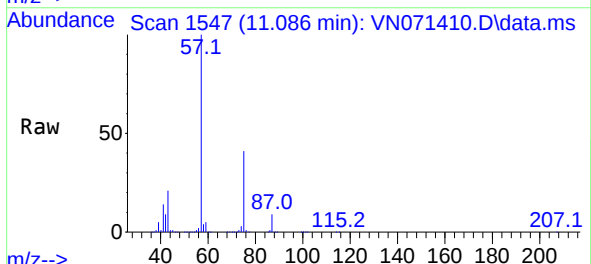
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

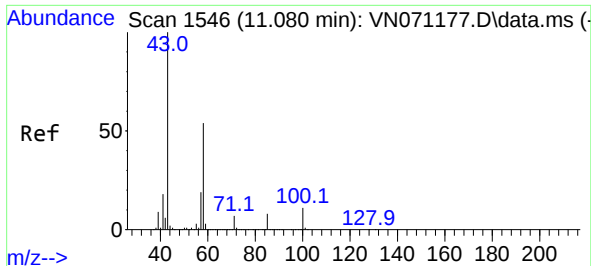
Tgt Ion: 75 Resp: 112189
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 31.3 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 3.935 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 76 Resp: 70187
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

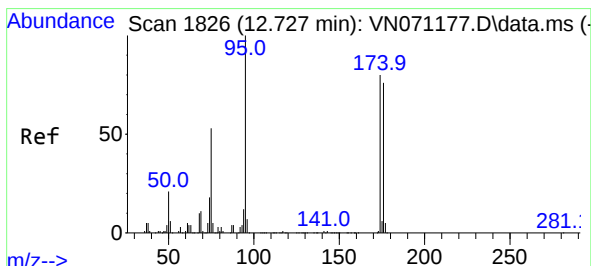
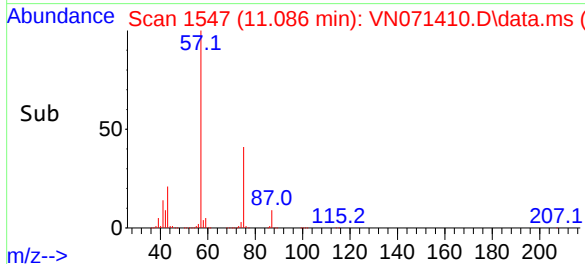
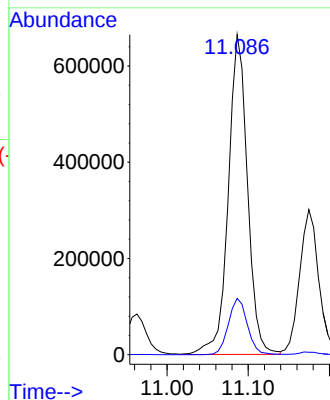
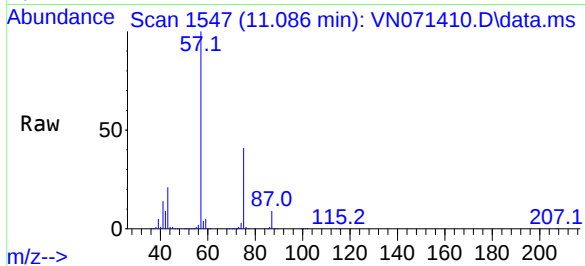




#59
2-Hexanone
Concen: 93.857 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

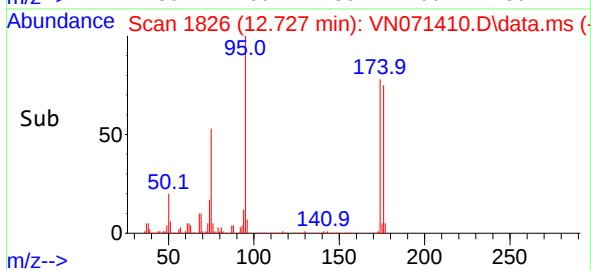
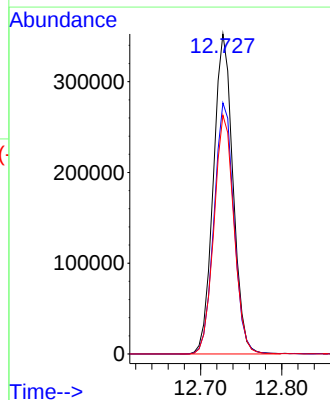
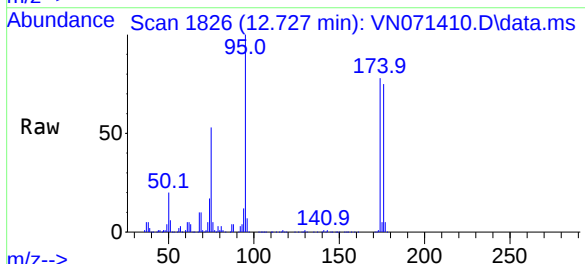
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

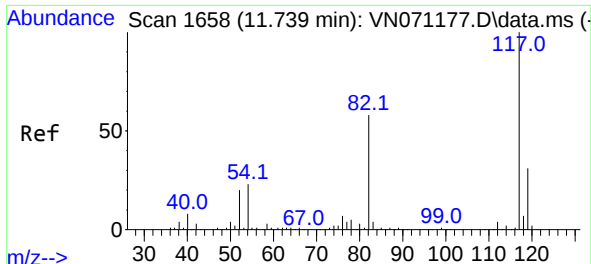
Tgt Ion: 43 Resp: 1093312
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 51.963 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 95 Resp: 591041
Ion Ratio Lower Upper
95 100
174 79.5 0.0 187.2
176 76.0 0.0 181.4

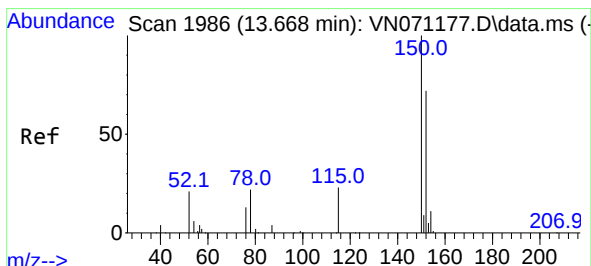
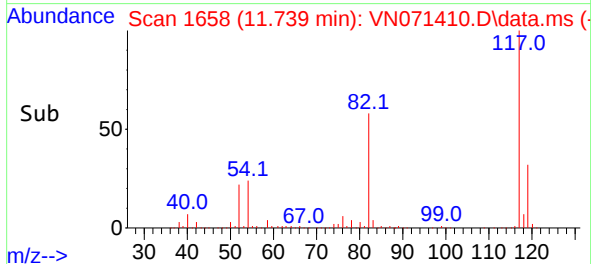
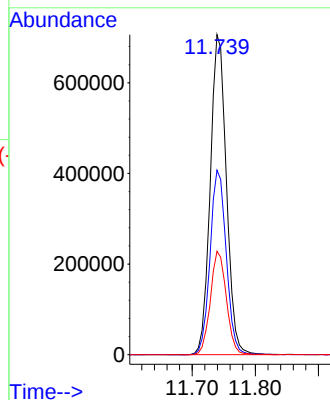
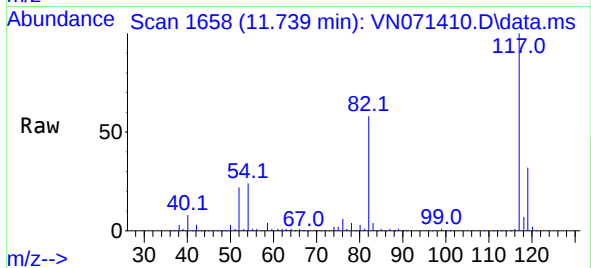




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

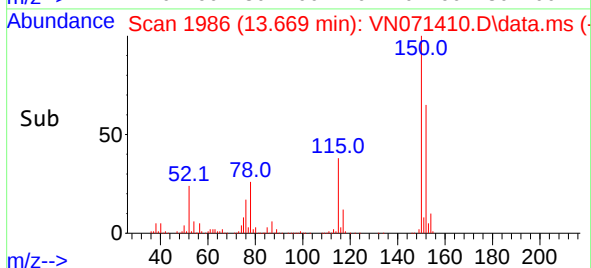
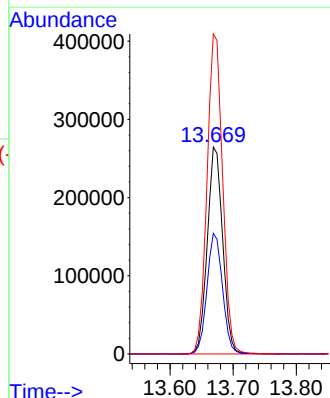
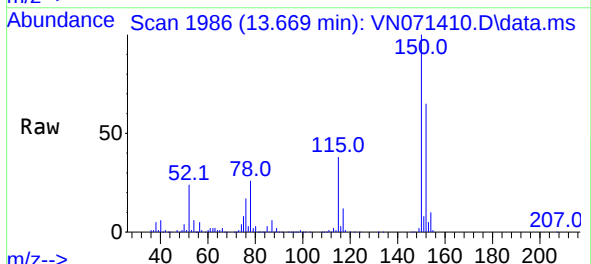
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

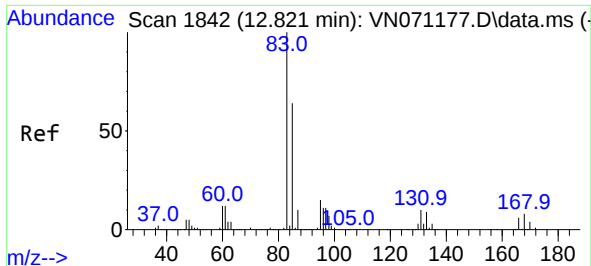
Tgt Ion:117 Resp: 1253408
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion:152 Resp: 448134
Ion Ratio Lower Upper
152 100
115 58.9 27.5 82.5
150 156.7 0.0 344.4

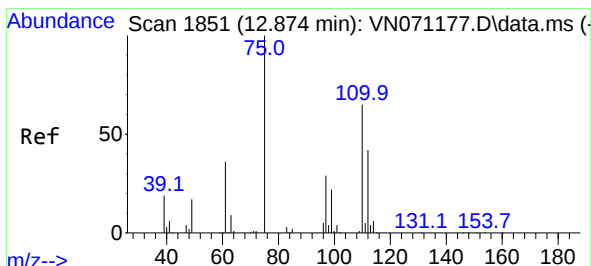
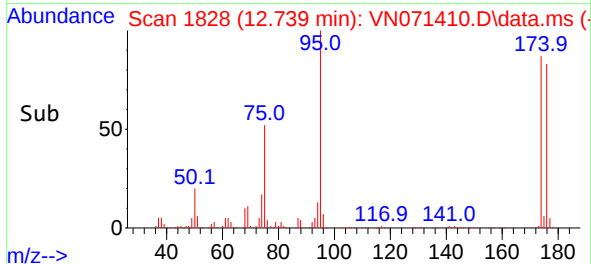
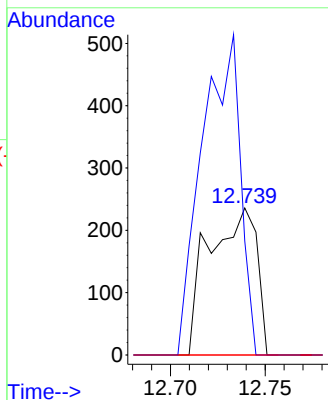
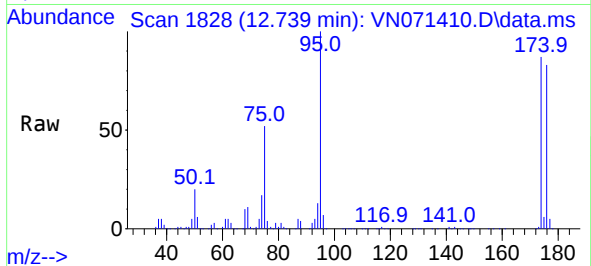




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.739 min Scan# 1828
Delta R.T. -0.082 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

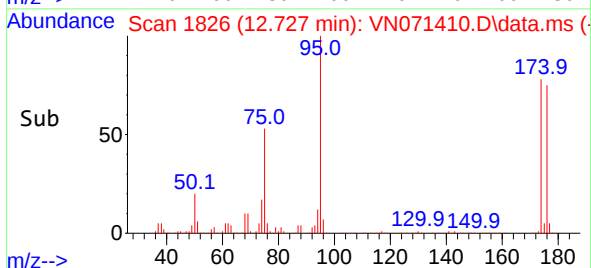
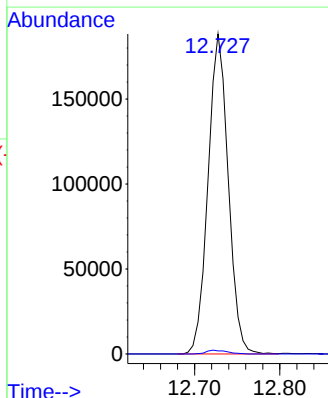
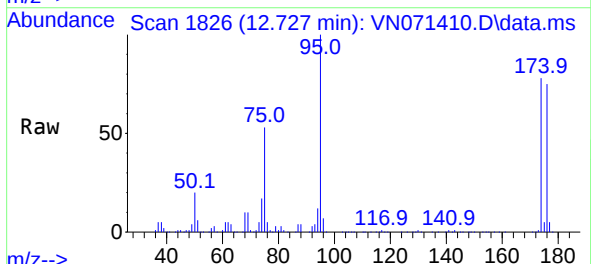
Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

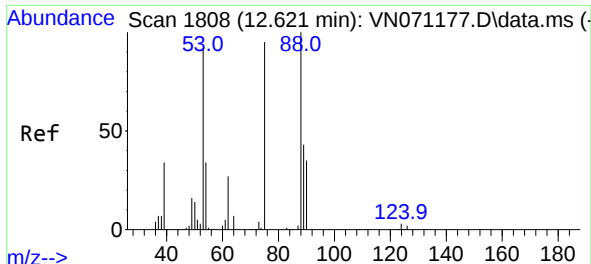
Tgt Ion: 83 Resp: 411
Ion Ratio Lower Upper
83 100
131 175.4 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.358 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion: 75 Resp: 311028
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

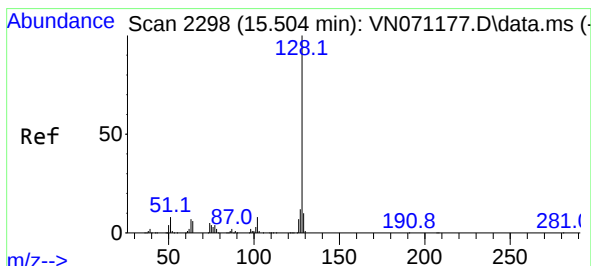
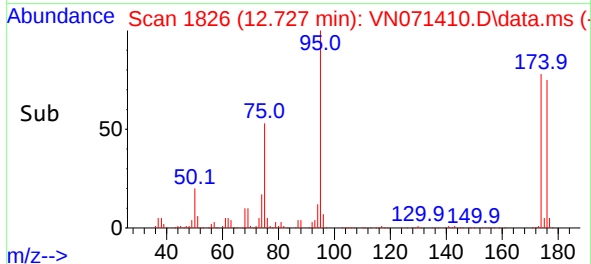
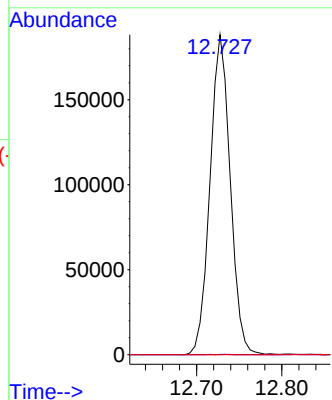
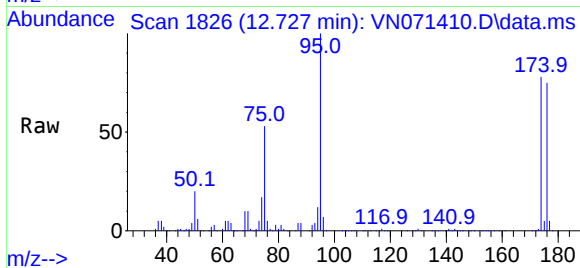




#81
trans-1,4-Dichloro-2-butene
Concen: 75.027 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Instrument :
MSVOA_N
ClientSampleId :
C-18-17-18

Tgt Ion: 75 Resp: 311028
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 9.363 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071410.D
Acq: 19 Mar 2022 20:08

Tgt Ion:128 Resp: 98197
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.5 8.7 13.1

