

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033122\
 Data File : VN071740.D
 Acq On : 01 Apr 2022 06:29
 Operator : JC\MD
 Sample : N2202-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MHF

Quant Time: Apr 01 07:47:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

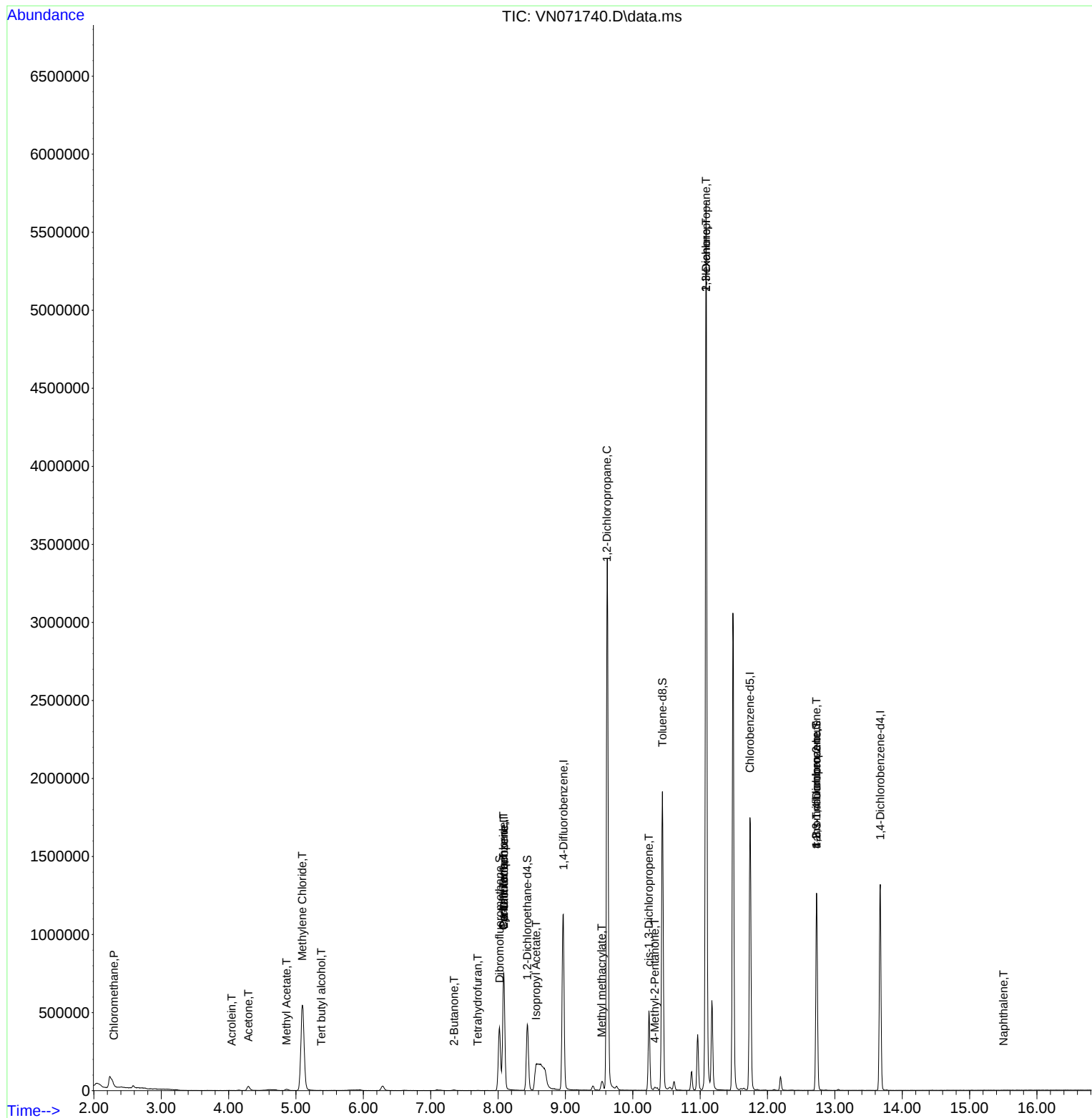
Internal Standards						
1) Pentafluorobenzene	8.086	168	615254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1063621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1090417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	392138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	355623	50.631	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.260%	
35) Dibromofluoromethane	8.022	113	302010	48.254	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.500%	
50) Toluene-d8	10.439	98	1361354	53.171	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.340%	
62) 4-Bromofluorobenzene	12.727	95	447079	53.992	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 107.980%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2033	0.328	ug/l	93
11) Tert butyl alcohol	5.375	59	406	0.356	ug/l #	72
13) Acrolein	4.045	56	293	0.211	ug/l #	54
16) Acetone	4.293	43	49400	16.457	ug/l	99
18) Methyl Acetate	4.857	43	18752	1.040	ug/l	95
20) Methylene Chloride	5.092	84	492223	77.798	ug/l	99
25) 2-Butanone	7.345	43	7743	1.789	ug/l	89
29) Tetrahydrofuran	7.698	42	746	0.266	ug/l #	59
31) Cyclohexane	8.081	56	10339	1.082	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	42105	4.817	ug/l #	48
38) Carbon Tetrachloride	8.081	117	57302	6.690	ug/l #	18
43) Isopropyl Acetate	8.563	43	272289	17.112	ug/l #	63
45) 1,2-Dichloropropane	9.616	63	4889	0.709	ug/l #	44
48) Methyl methacrylate	9.539	41	16327	2.473	ug/l #	11
49) 1,4-Dioxane	9.627	88	582	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	10471	1.145	ug/l	88
54) cis-1,3-Dichloropropene	10.239	75	100319	9.397	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	64672	5.385	ug/l #	43
59) 2-Hexanone	11.086	43	802034	124.520	ug/l #	47
76) 1,2,3-Trichloropropane	12.727	75	216824	23.868	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	216824	73.967	ug/l #	11
95) Naphthalene	15.504	128	408	3.824	ug/l #	69

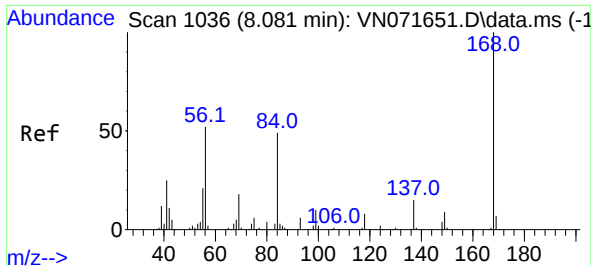
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
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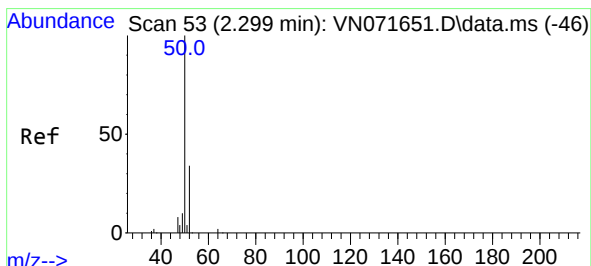
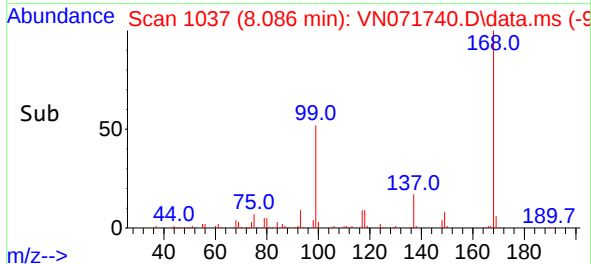
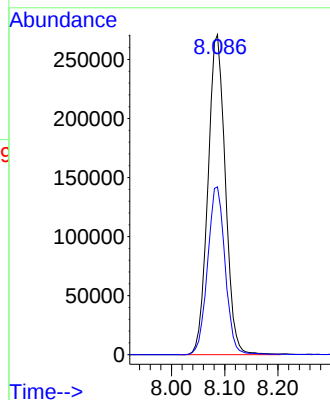
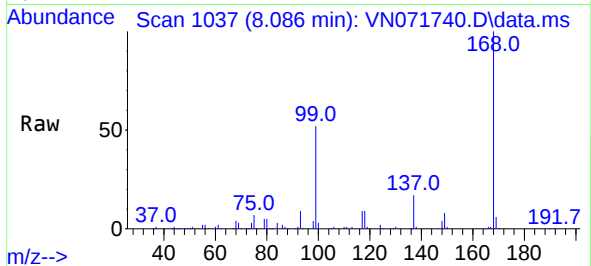




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

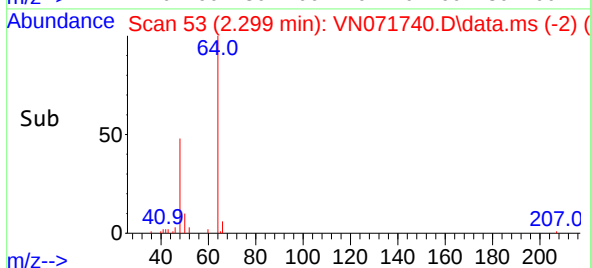
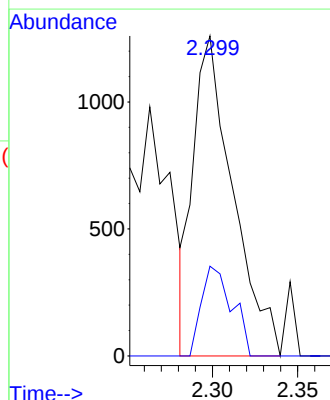
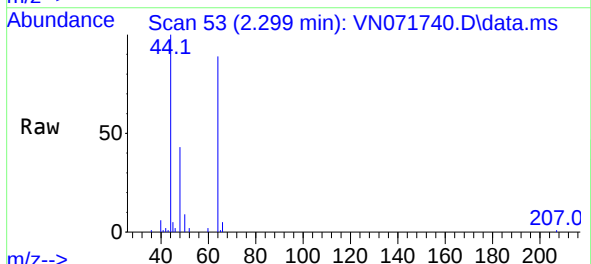
Instrument :
MSVOA_N
ClientSampleId :
MHF

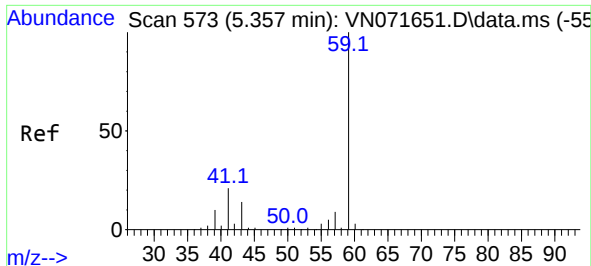
Tgt Ion:168 Resp: 615254
Ion Ratio Lower Upper
168 100
99 52.5 42.3 63.5



#3
Chloromethane
Concen: 0.328 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

Tgt Ion: 50 Resp: 2033
Ion Ratio Lower Upper
50 100
52 28.0 25.7 38.5

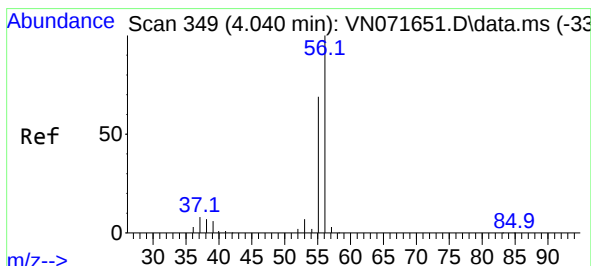
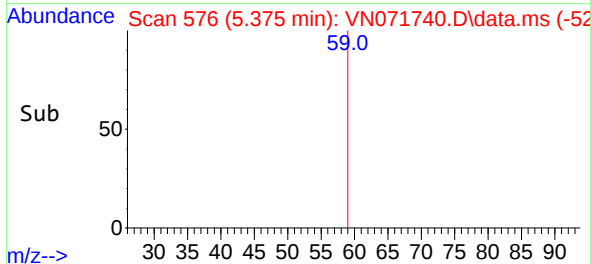
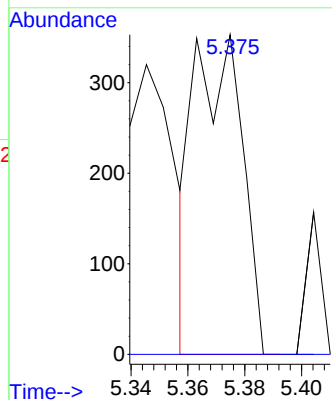
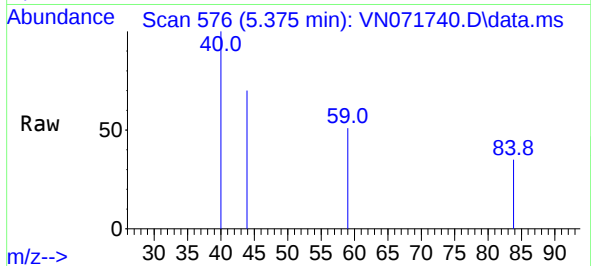




#11
Tert butyl alcohol
Concen: 0.356 ug/l
RT: 5.375 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

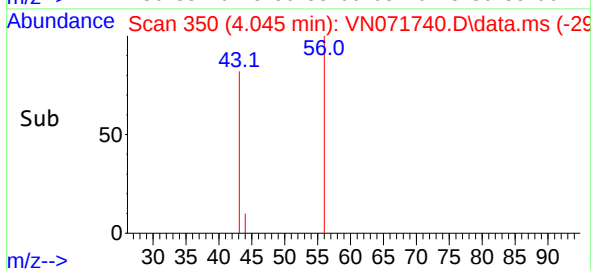
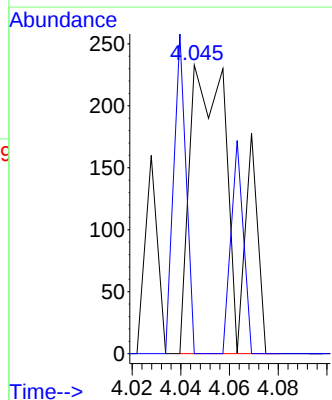
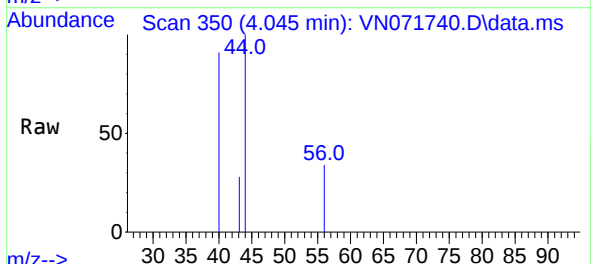
Instrument :
MSVOA_N
ClientSampleId :
MHF

Tgt Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.211 ug/l
RT: 4.045 min Scan# 350
Delta R.T. 0.005 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

Tgt Ion: 56 Resp: 293
Ion Ratio Lower Upper
56 100
55 31.1 54.8 82.2#

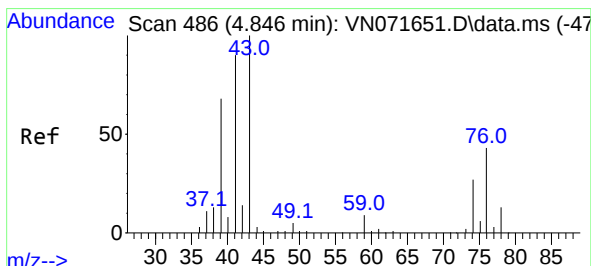
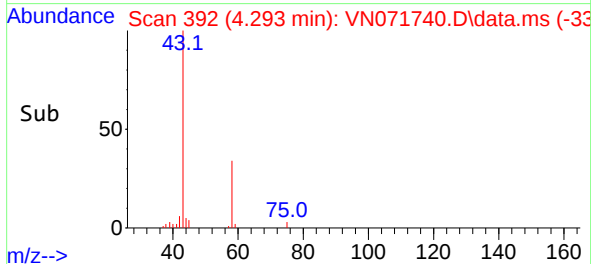
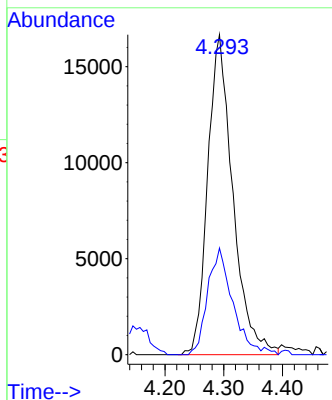
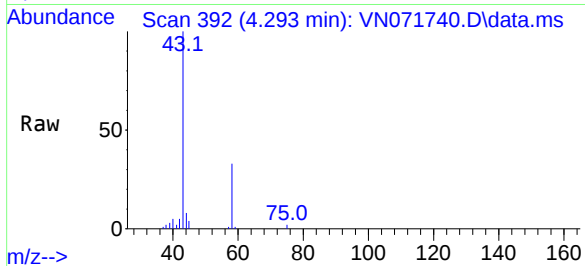




#16
Acetone
Concen: 16.457 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

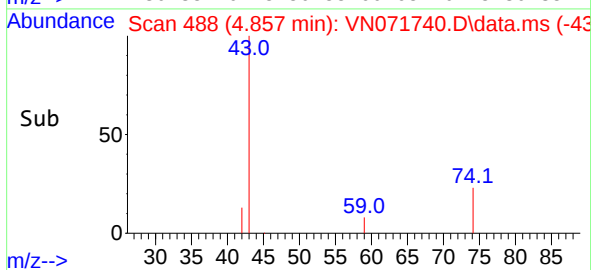
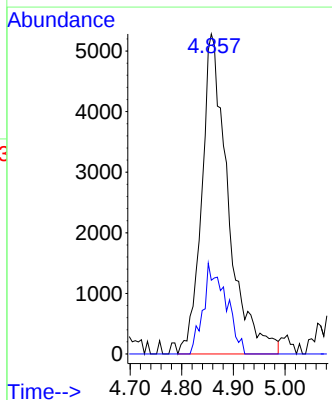
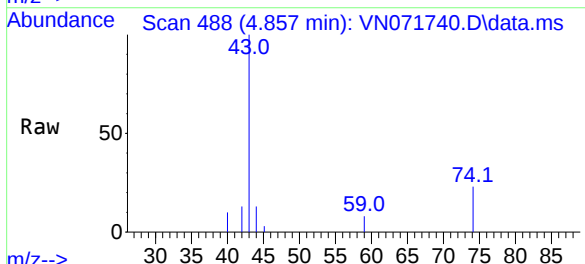
Instrument :
MSVOA_N
ClientSampleId :
MHF

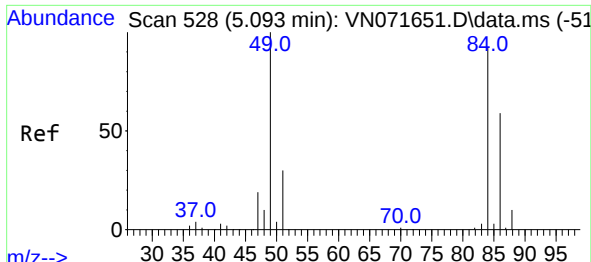
Tgt Ion: 43 Resp: 49400
Ion Ratio Lower Upper
43 100
58 33.3 26.0 39.0



#18
Methyl Acetate
Concen: 1.040 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

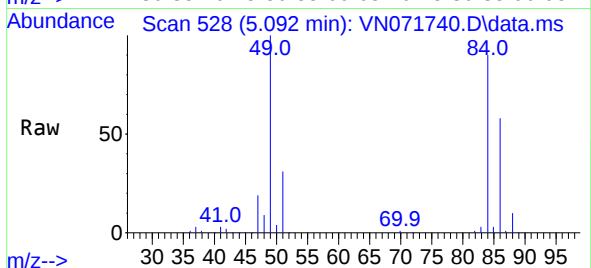
Tgt Ion: 43 Resp: 18752
Ion Ratio Lower Upper
43 100
74 24.2 21.6 32.4



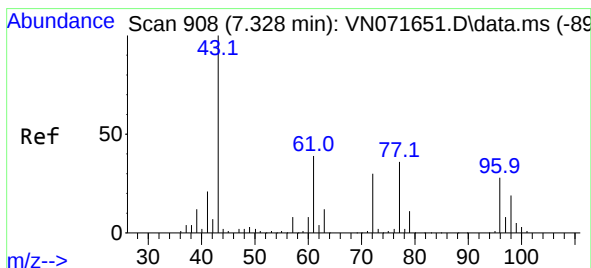
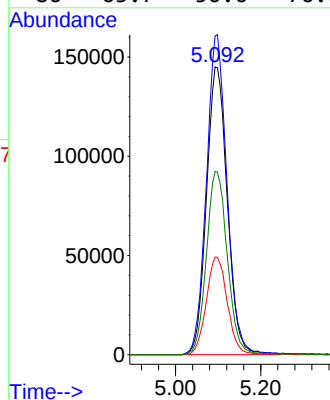
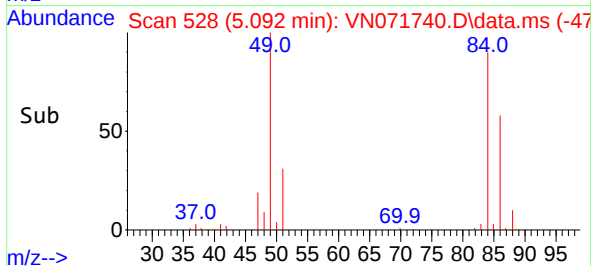


#20
Methylene Chloride
Concen: 77.798 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

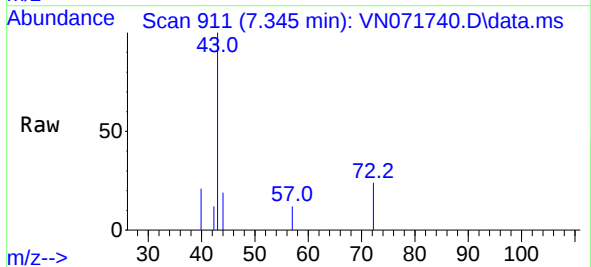
Instrument :
MSVOA_N
ClientSampleId :
MHF



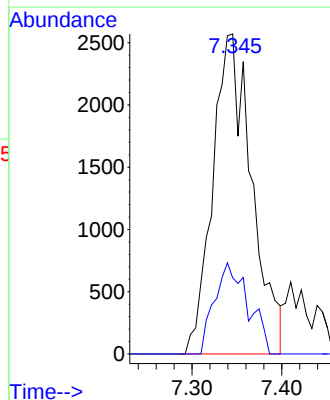
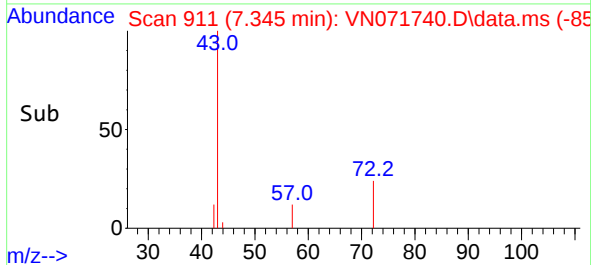
Tgt Ion: 84 Resp: 492223
Ion Ratio Lower Upper
84 100
49 110.8 88.3 132.5
51 33.9 28.2 42.2
86 63.7 50.6 76.0

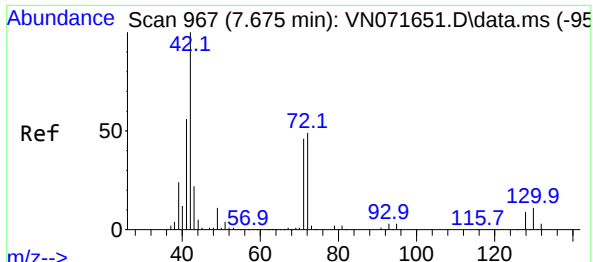


#25
2-Butanone
Concen: 1.789 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.017 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29



Tgt Ion: 43 Resp: 7743
Ion Ratio Lower Upper
43 100
72 23.8 23.7 35.5

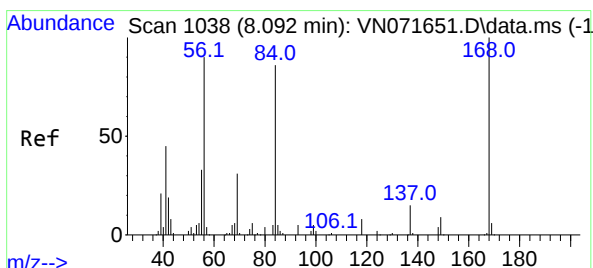
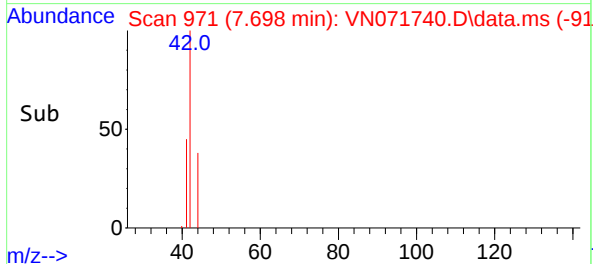
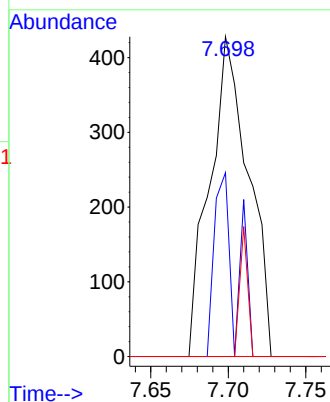
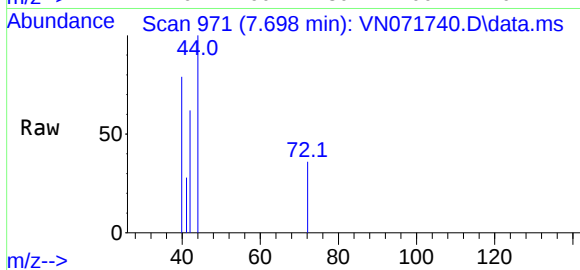




#29
Tetrahydrofuran
Concen: 0.266 ug/l
RT: 7.698 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

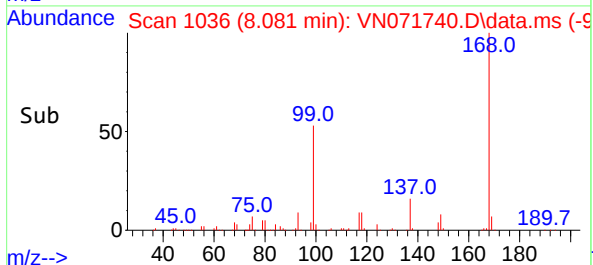
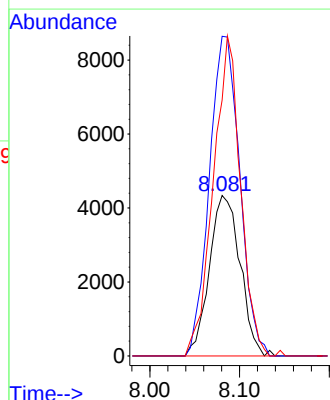
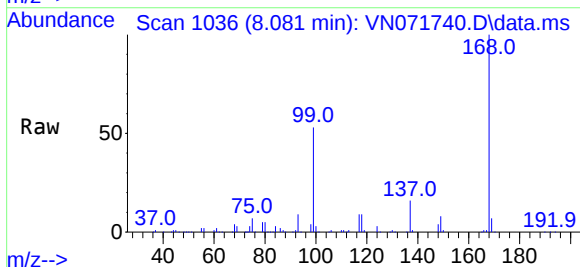
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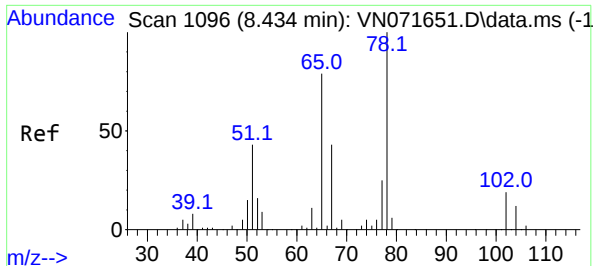
Tgt Ion:	42	Resp:	746
Ion	Ratio	Lower	Upper
42	100		
72	31.6	39.7	59.5#
71	8.2	36.6	55.0#



#31
Cyclohexane
Concen: 1.082 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

Tgt Ion:	56	Resp:	10339
Ion	Ratio	Lower	Upper
56	100		
69	199.3	27.8	41.8#
84	159.5	76.9	115.3#

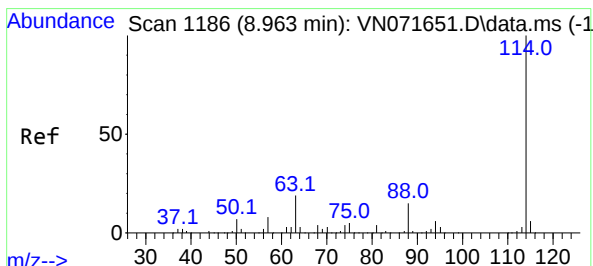
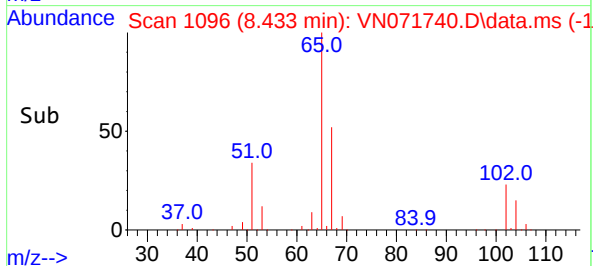
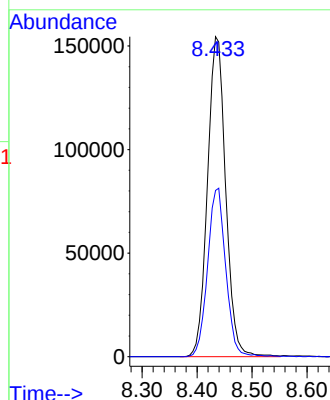
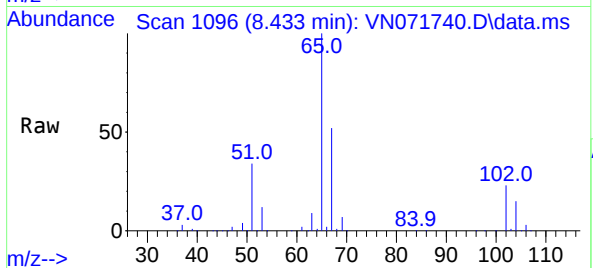




#33
1,2-Dichloroethane-d4
Concen: 50.631 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

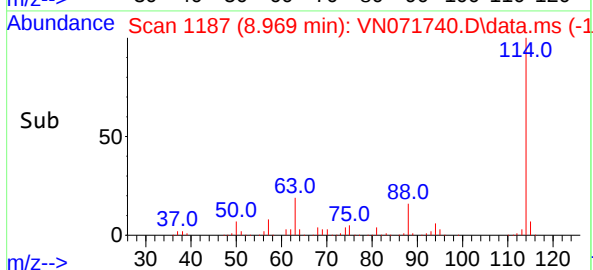
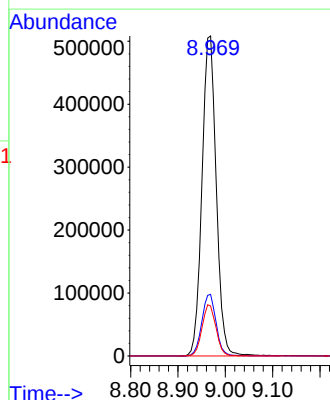
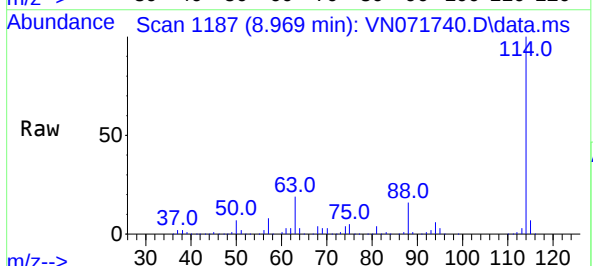
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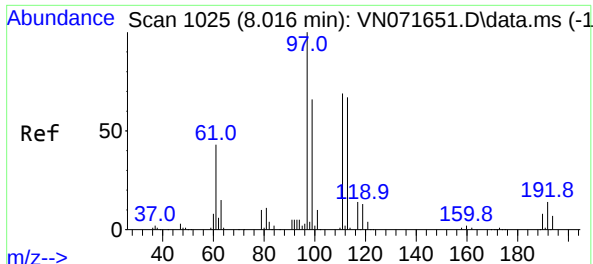
Tgt Ion: 65 Resp: 355623
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

Tgt Ion: 114 Resp: 1063621
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.0
88 15.6 0.0 32.6

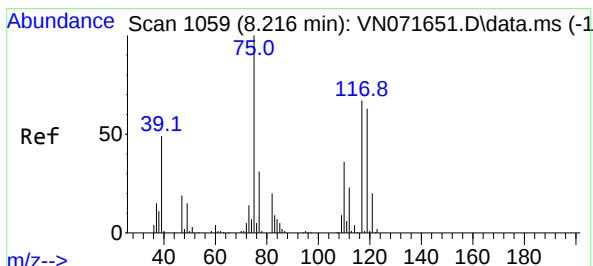
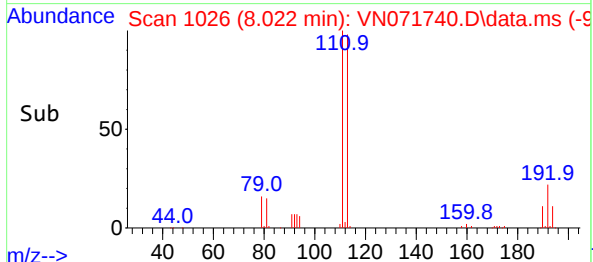
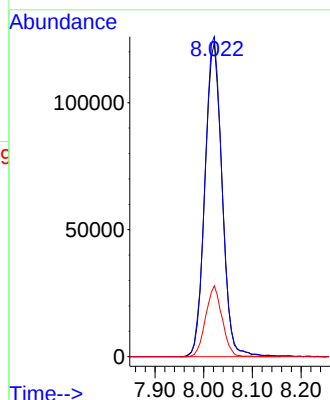
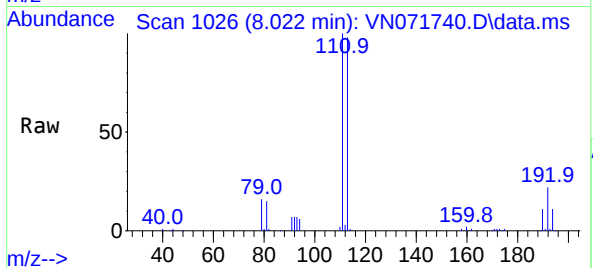




#35
Dibromofluoromethane
Concen: 48.254 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

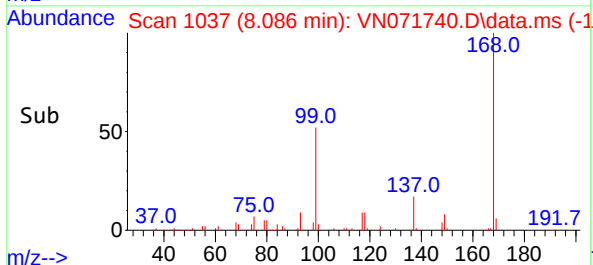
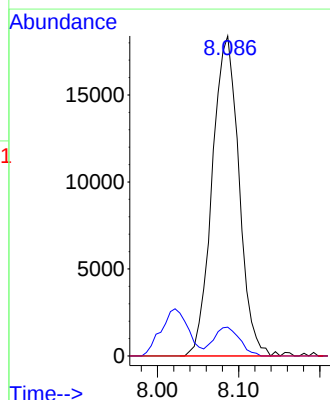
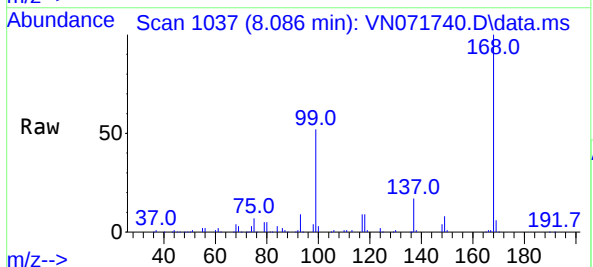
Instrument :
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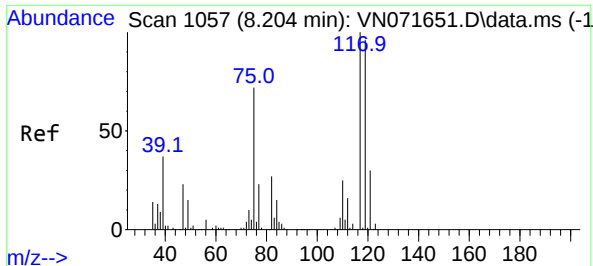
Tgt Ion:113 Resp: 302010
Ion Ratio Lower Upper
113 100
111 101.4 81.4 122.0
192 21.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.817 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

Tgt Ion: 75 Resp: 42105
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 25.1 37.7#

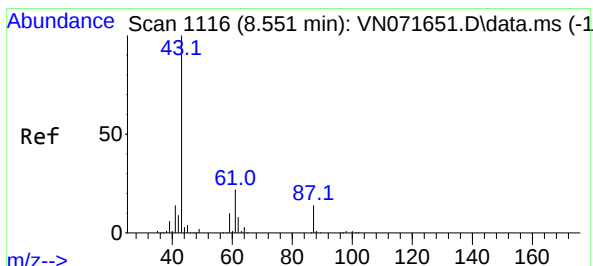
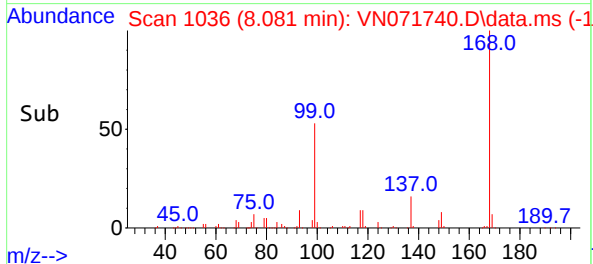
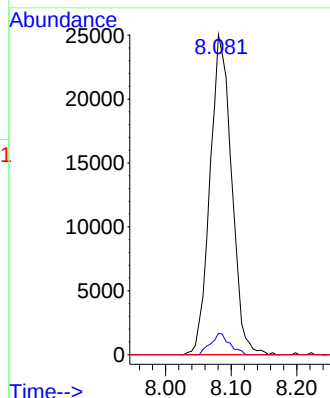
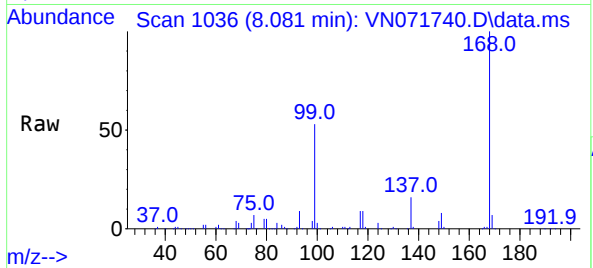




#38
Carbon Tetrachloride
Concen: 6.690 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.123 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

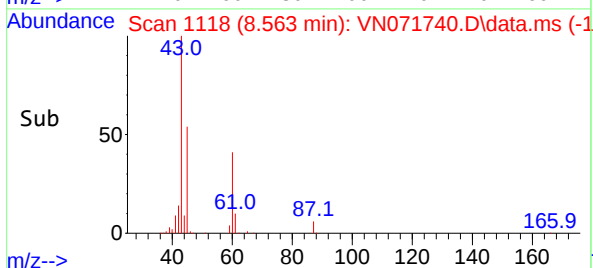
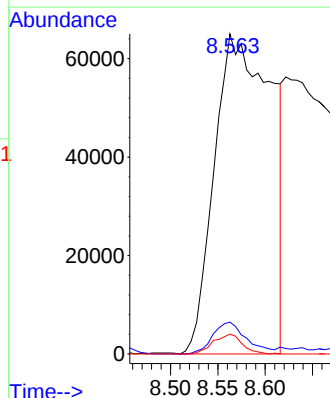
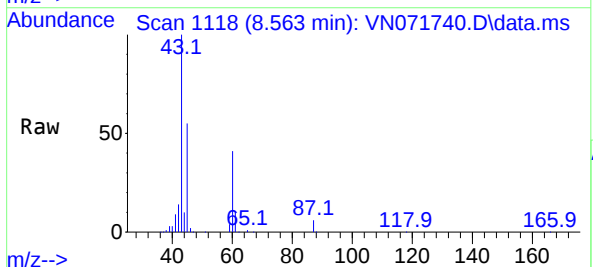
Instrument :
MSVOA_N
ClientSampleId :
MHF

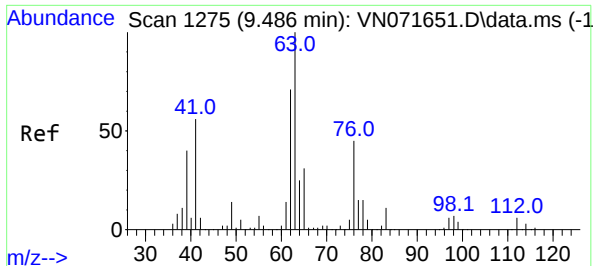
Tgt Ion:117 Resp: 57302
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 17.112 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.012 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

Tgt Ion: 43 Resp: 272289
Ion Ratio Lower Upper
43 100
61 5.9 21.9 32.9#
87 3.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.709 ug/l

RT: 9.616 min Scan# 1

Delta R.T. 0.130 min

Lab File: VN071740.D

Acq: 01 Apr 2022 06:29

Instrument :

MSVOA_N

ClientSampleId :

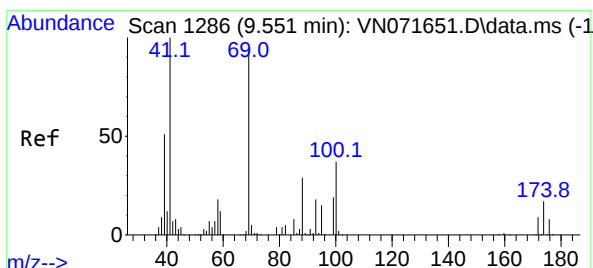
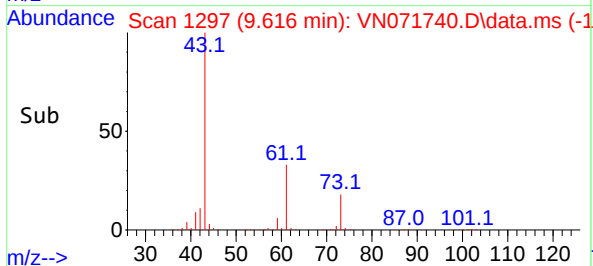
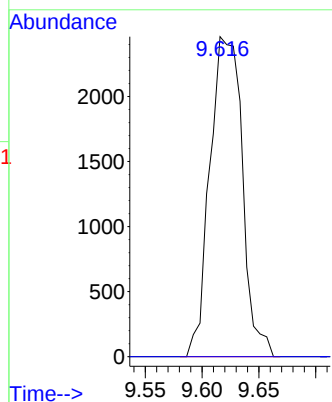
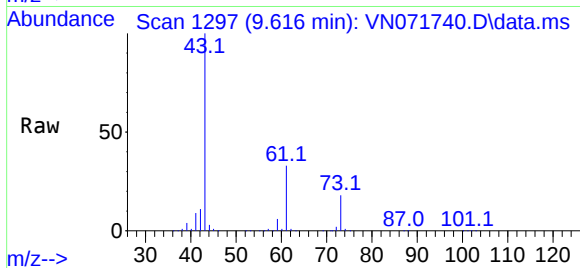
MHF

Tgt Ion: 63 Resp: 4889

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.473 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.012 min

Lab File: VN071740.D

Acq: 01 Apr 2022 06:29

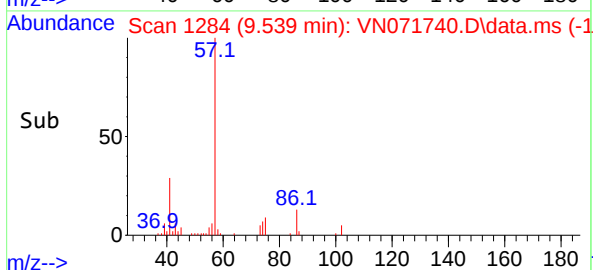
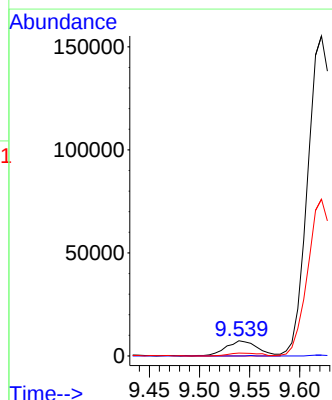
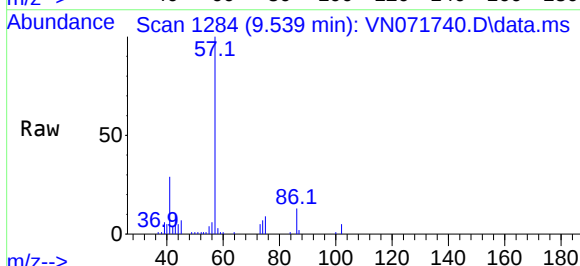
Tgt Ion: 41 Resp: 16327

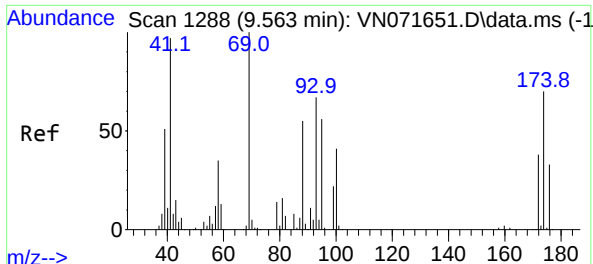
Ion Ratio Lower Upper

41 100

69 0.4 74.7 112.1#

39 0.0 45.6 68.4#

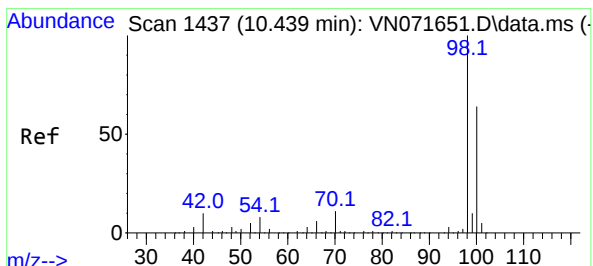
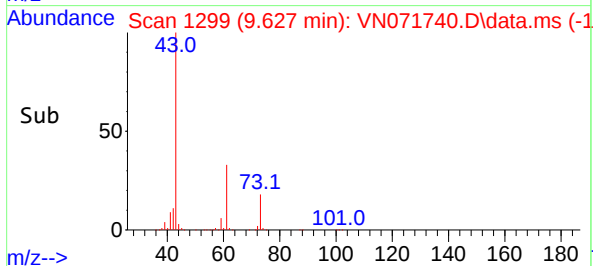
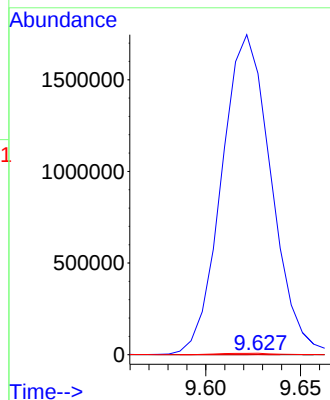
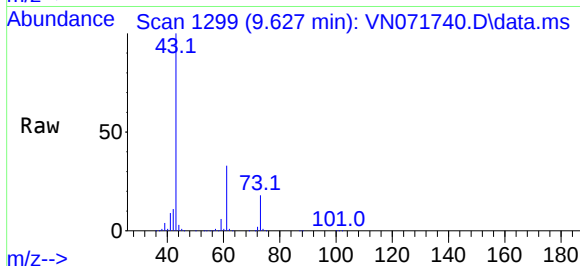




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.627 min Scan# 1288
Delta R.T. 0.064 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

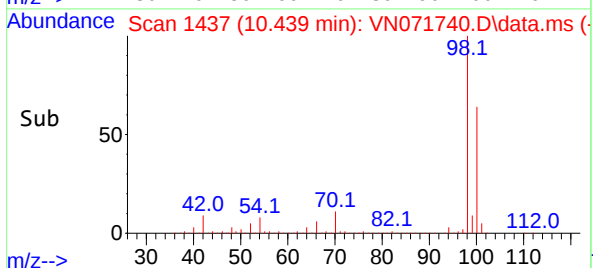
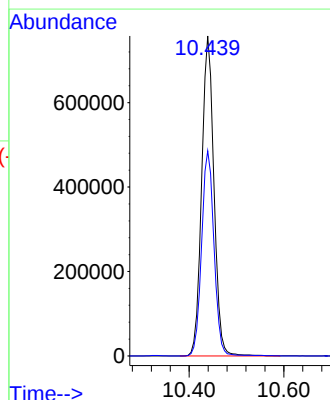
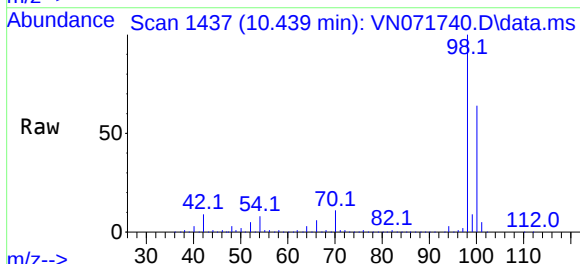
Instrument :
MSVOA_N
ClientSampleId :
MHF

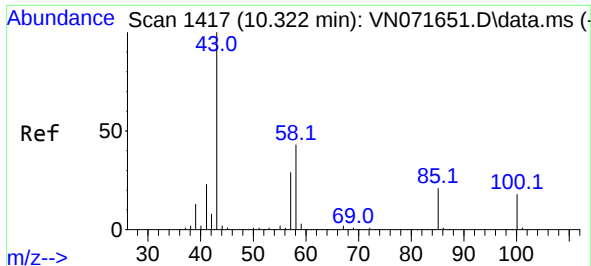
Tgt Ion: 88 Resp: 582
Ion Ratio Lower Upper
88 100
43 556288.3 20.2 30.4#
58 2757.7 54.2 81.4#



#50
Toluene-d8
Concen: 53.171 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

Tgt Ion: 98 Resp: 1361354
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.145 ug/l

RT: 10.327 min Scan# 1417

Delta R.T. 0.005 min

Lab File: VN071740.D

Acq: 01 Apr 2022 06:29

Instrument :

MSVOA_N

ClientSampleId :

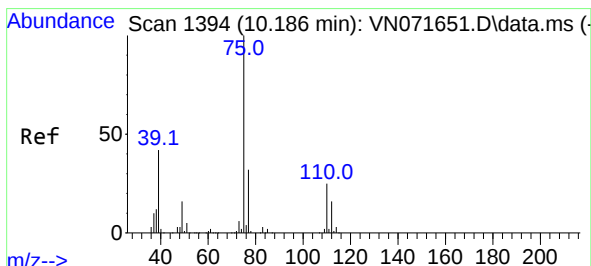
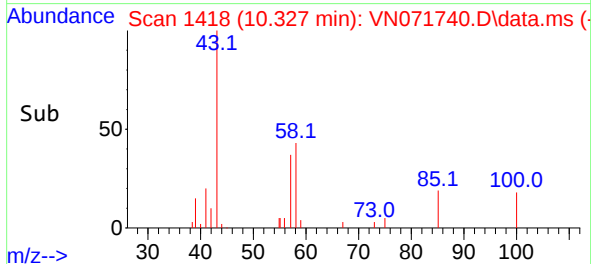
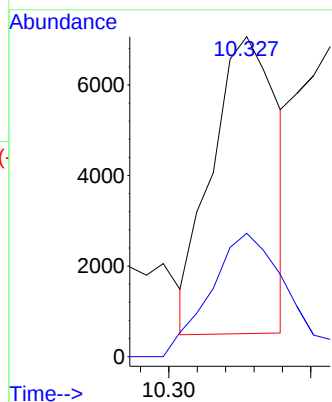
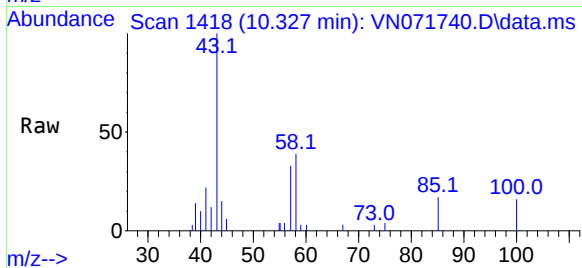
MHF

Tgt Ion: 43 Resp: 10471

Ion Ratio Lower Upper

43 100

58 50.4 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 9.397 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.053 min

Lab File: VN071740.D

Acq: 01 Apr 2022 06:29

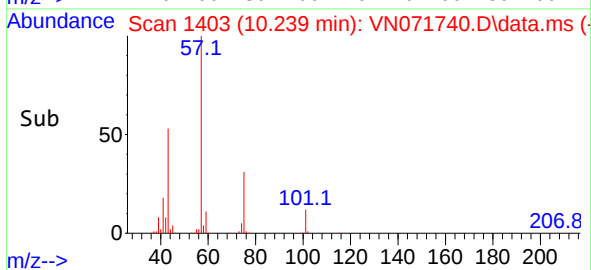
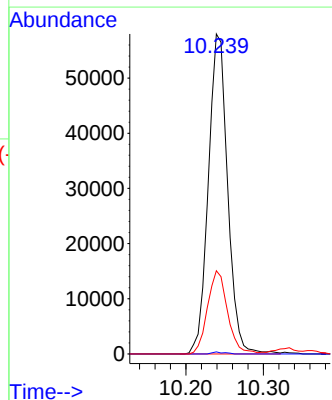
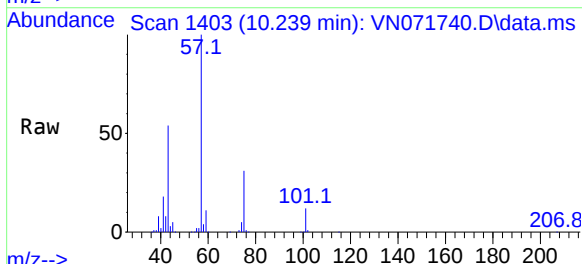
Tgt Ion: 75 Resp: 100319

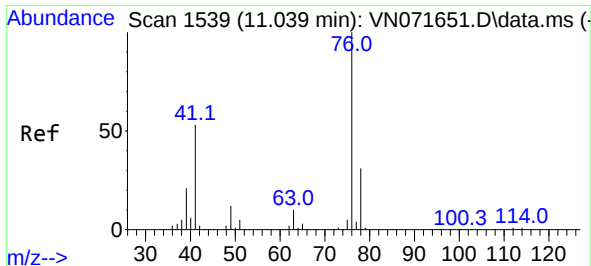
Ion Ratio Lower Upper

75 100

77 0.7 25.2 37.8#

39 26.0 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.385 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071740.D

Acq: 01 Apr 2022 06:29

Instrument :

MSVOA_N

ClientSampleId :

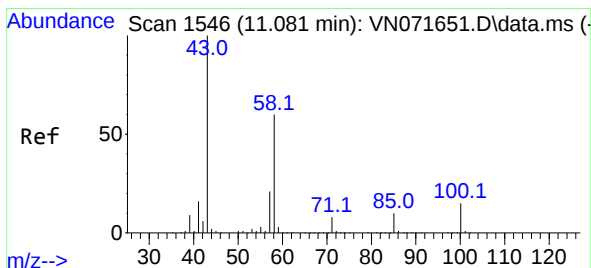
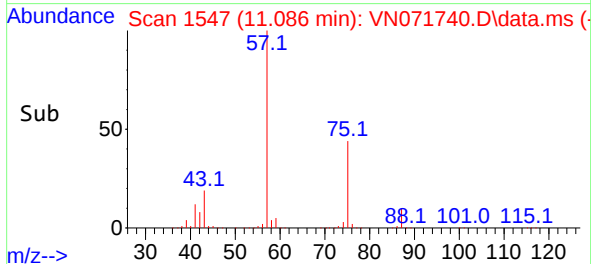
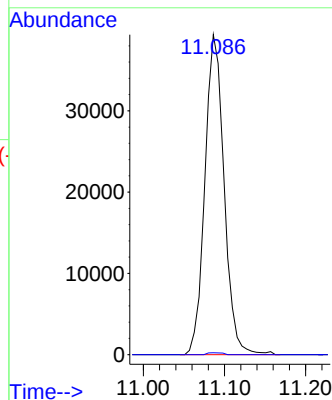
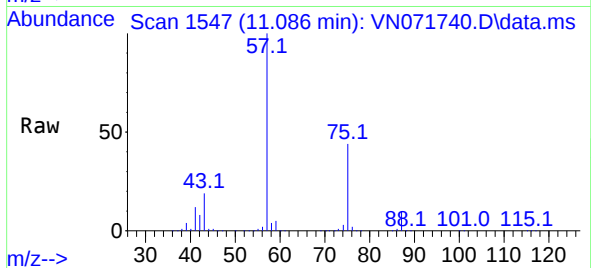
MHF

Tgt Ion: 76 Resp: 64672

Ion Ratio Lower Upper

76 100

78 0.5 26.2 39.2#



#59

2-Hexanone

Concen: 124.520 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.005 min

Lab File: VN071740.D

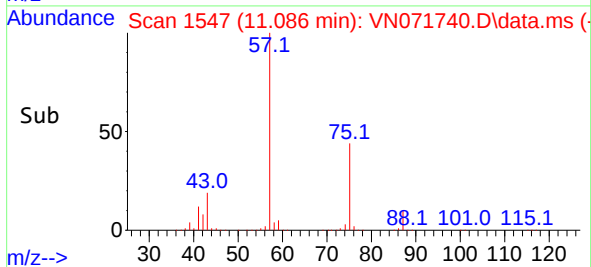
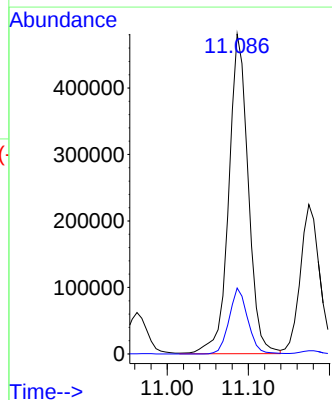
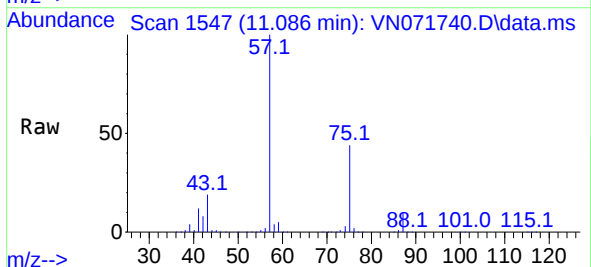
Acq: 01 Apr 2022 06:29

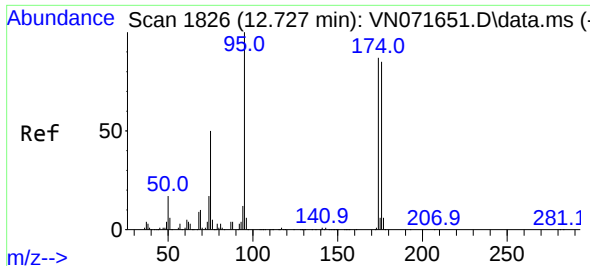
Tgt Ion: 43 Resp: 802034

Ion Ratio Lower Upper

43 100

58 19.7 29.7 89.1#

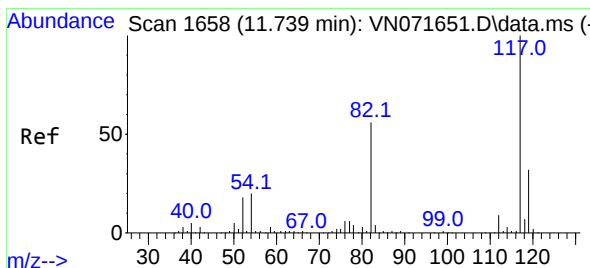
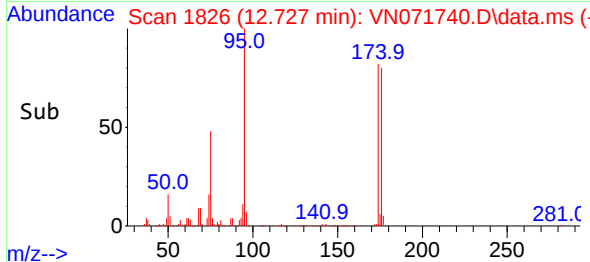
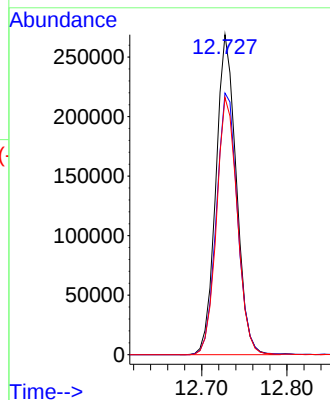
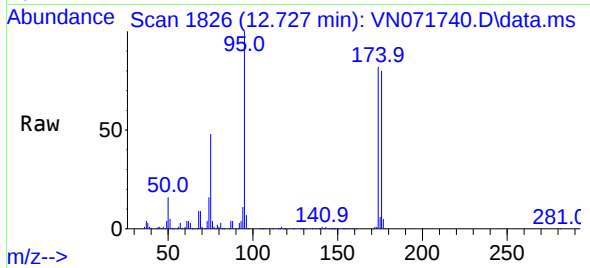




#62
4-Bromofluorobenzene
Concen: 53.992 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

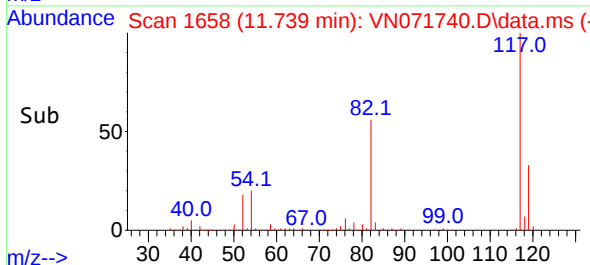
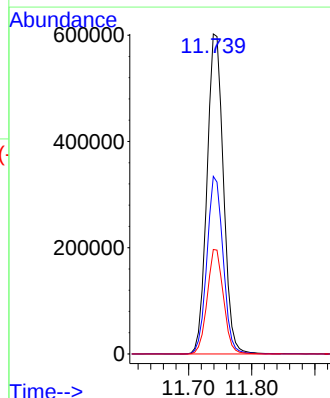
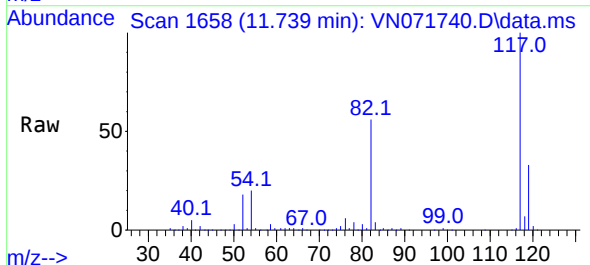
Instrument :
MSVOA_N
ClientSampleId :
MHF

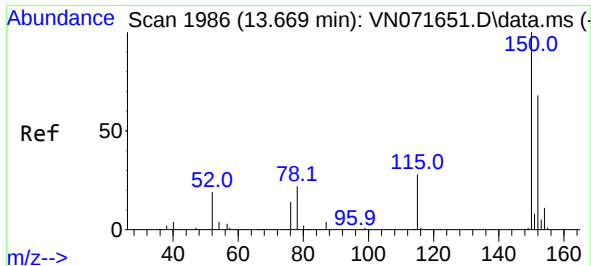
Tgt Ion: 95 Resp: 447079
Ion Ratio Lower Upper
95 100
174 84.4 0.0 167.6
176 81.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

Tgt Ion: 117 Resp: 1090417
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.7 25.4 38.0

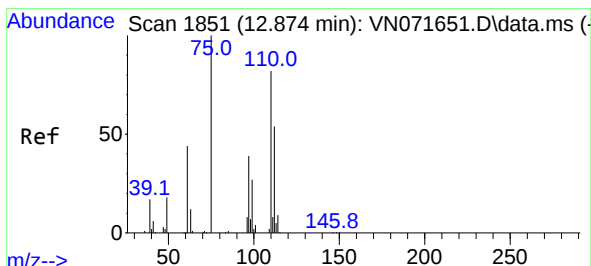
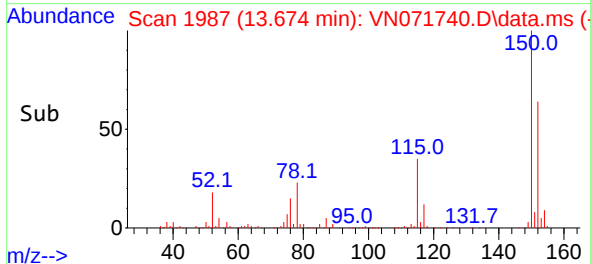
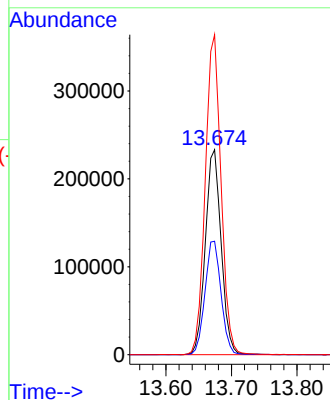
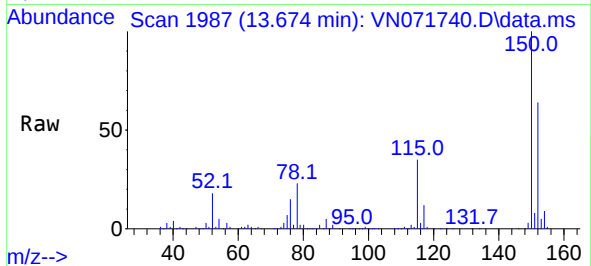




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.005 min
 Lab File: VN071740.D
 Acq: 01 Apr 2022 06:29

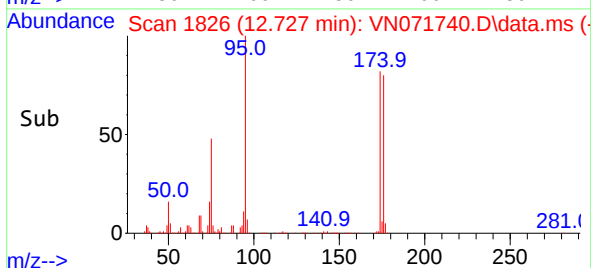
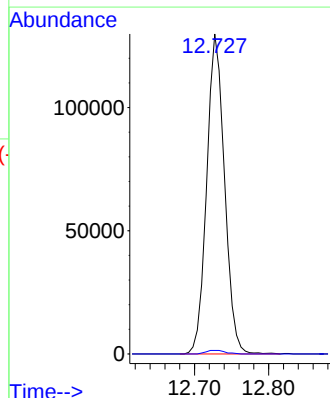
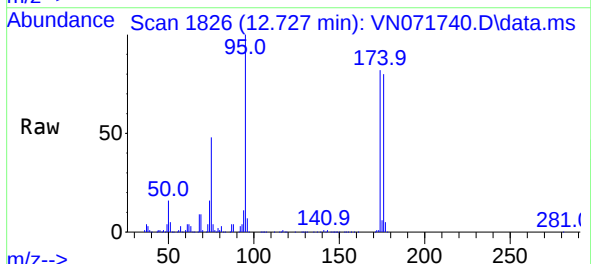
Instrument :
 MSVOA_N
 ClientSampleId :
 MHF

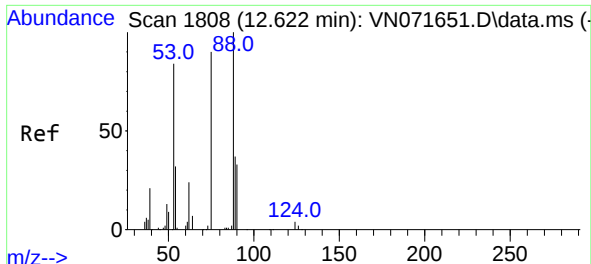
Tgt Ion:152 Resp: 392138
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.9 86.7
 150 155.4 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 23.868 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN071740.D
 Acq: 01 Apr 2022 06:29

Tgt Ion: 75 Resp: 216824
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

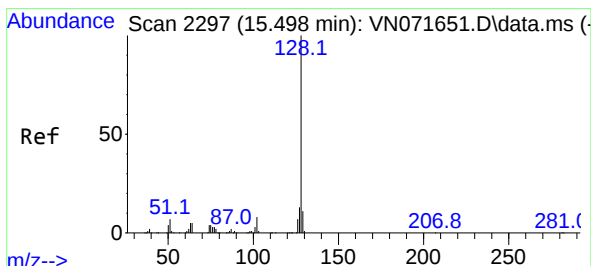
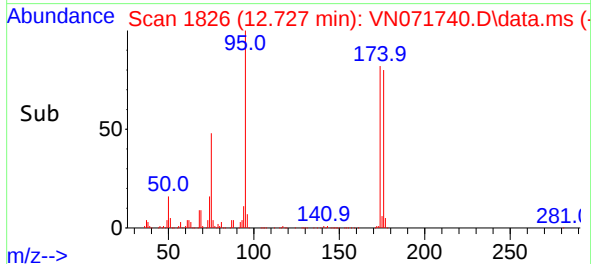
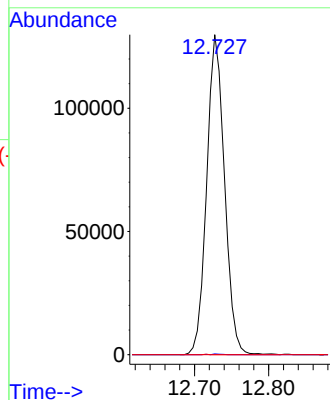
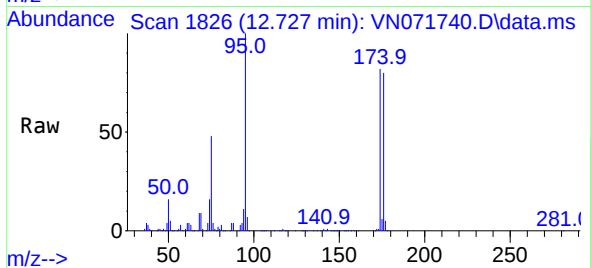




#81
trans-1,4-Dichloro-2-butene
Concen: 73.967 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

Instrument :
MSVOA_N
ClientSampleId :
MHF

Tgt Ion: 75 Resp: 216824
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.824 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071740.D
Acq: 01 Apr 2022 06:29

Tgt Ion:128 Resp: 408
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

