

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011122\
 Data File : VN070573.D
 Acq On : 11 Jan 2022 17:26
 Operator : JC/MD
 Sample : N1098-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 12 06:02:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

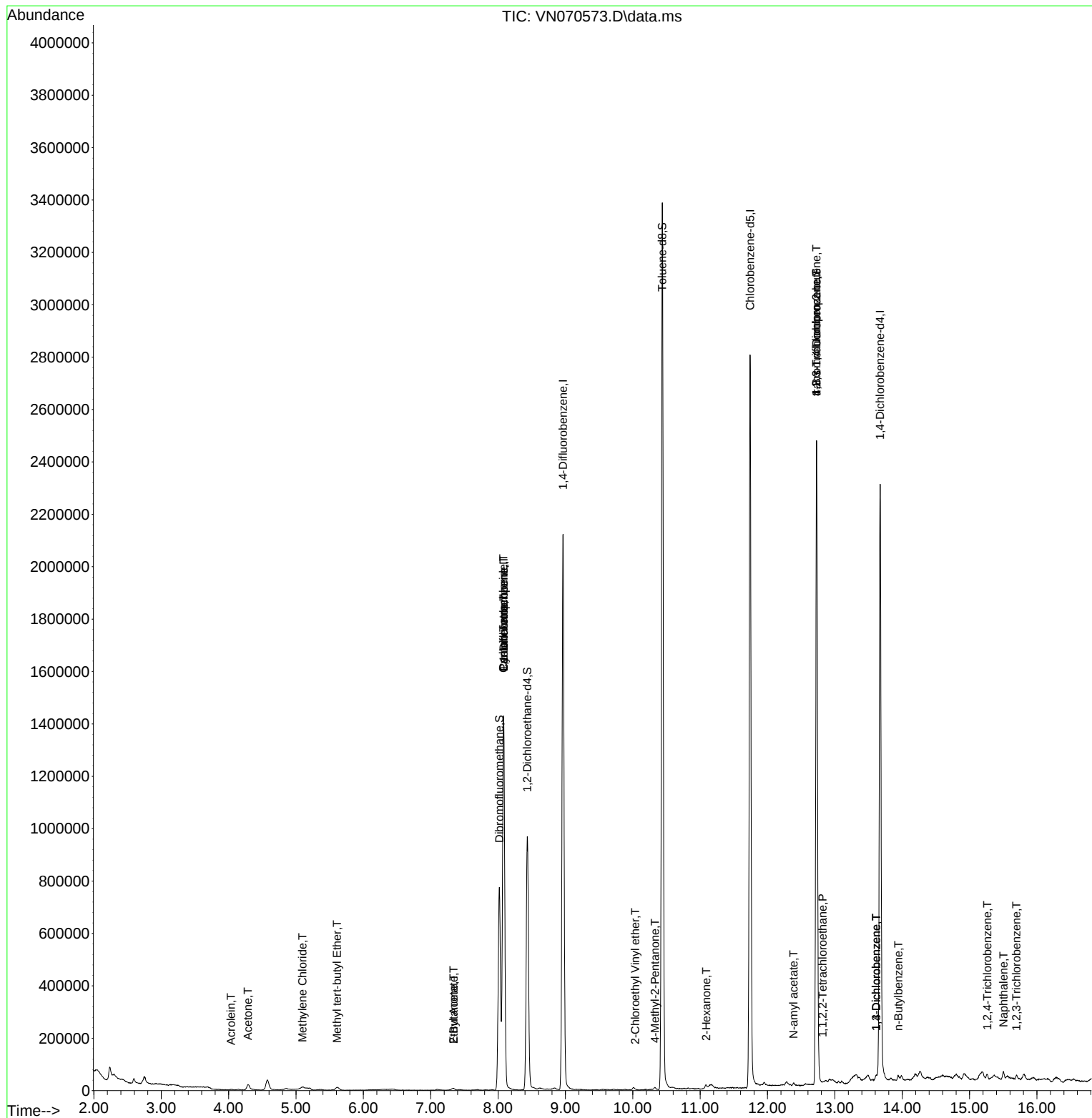
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.083	168	1122955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1847050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1647080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	625973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	820195	50.799	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 101.600%		
35) Dibromofluoromethane	8.019	113	586058	52.441	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 104.880%		
50) Toluene-d8	10.438	98	2399243	52.553	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 105.100%		
62) 4-Bromofluorobenzene	12.728	95	917144	55.621	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 111.240%		
Target Compounds						Qvalue
13) Acrolein	4.036	56	1225	0.562	ug/l #	1
16) Acetone	4.285	43	36741	3.505	ug/l	100
19) Methyl tert-butyl Ether	5.610	73	15997	0.377	ug/l #	88
20) Methylene Chloride	5.095	84	3657	0.252	ug/l	90
25) 2-Butanone	7.340	43	6252	0.474	ug/l #	89
31) Cyclohexane	8.083	56	24962	0.980	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	89100	4.819	ug/l #	49
37) Ethyl Acetate	7.340	43	6252	0.261	ug/l #	68
38) Carbon Tetrachloride	8.080	117	109728	6.216	ug/l #	17
51) 4-Methyl-2-Pentanone	10.328	43	5038	0.212	ug/l #	86
58) 2-Chloroethyl Vinyl ether	10.038	63	1232	18.712	ug/l #	57
59) 2-Hexanone	11.089	43	11849	0.684	ug/l	97
74) N-amyl acetate	12.387	43	6805	0.278	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.819	83	976	0.493	ug/l #	85
76) 1,2,3-Trichloropropane	12.728	75	471265	26.773	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.728	75	471265	91.981	ug/l #	5
87) 1,3-Dichlorobenzene	13.613	146	4854	0.217	ug/l	94
88) 1,4-Dichlorobenzene	13.613	146	4854	0.220	ug/l	94
89) n-Butylbenzene	13.943	91	10428	0.286	ug/l	98
93) 1,2,4-Trichlorobenzene	15.263	180	7162	0.694	ug/l	90
95) Naphthalene	15.504	128	28250	2.752	ug/l	96
96) 1,2,3-Trichlorobenzene	15.697	180	7333	1.557	ug/l	95

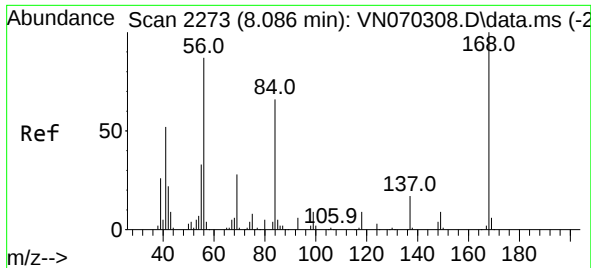
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration

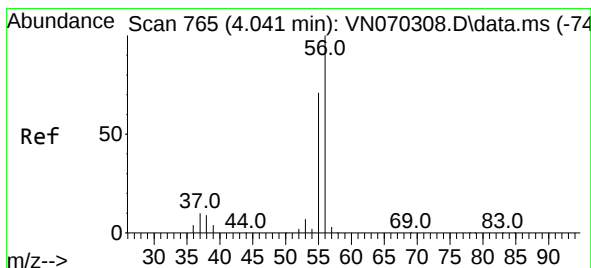
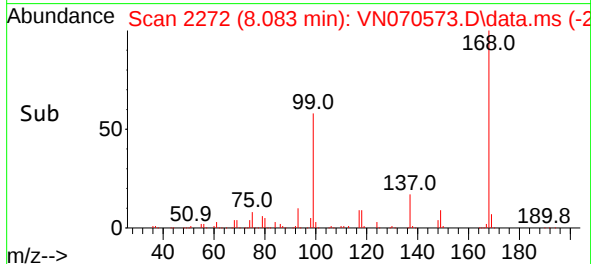
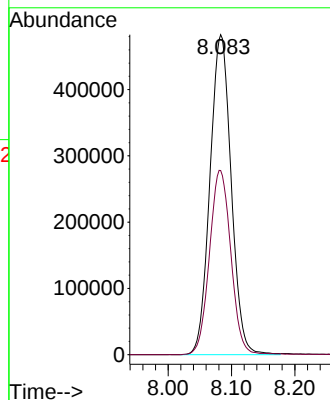
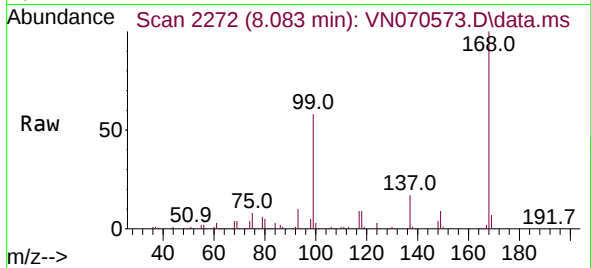




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

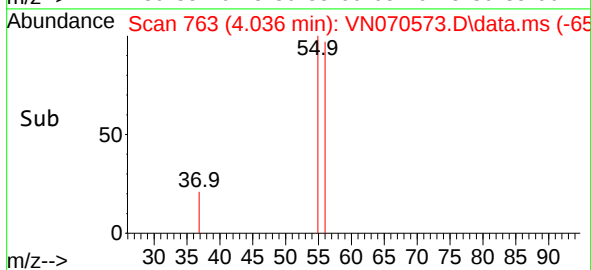
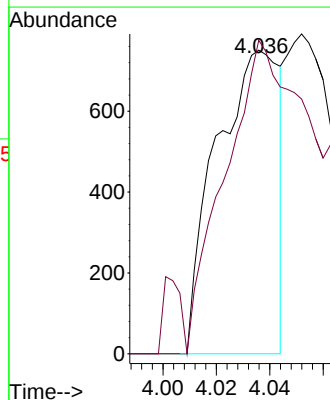
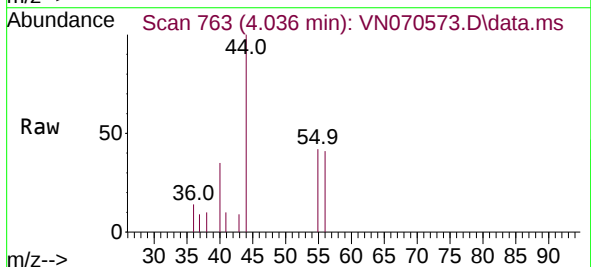
Instrument :
MSVOA_N
ClientSampleId :

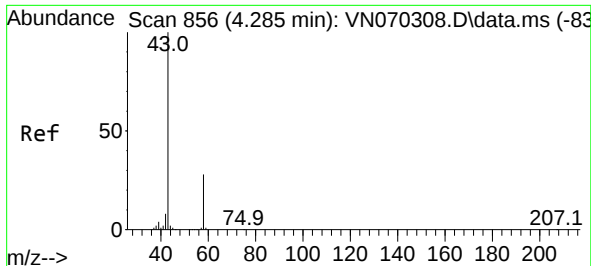
Tgt Ion:168 Resp: 1122955
Ion Ratio Lower Upper
168 100
99 57.6 41.3 61.9



#13
Acrolein
Concen: 0.562 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.005 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

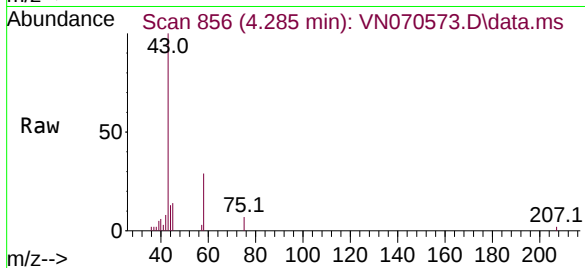
Tgt Ion: 56 Resp: 1225
Ion Ratio Lower Upper
56 100
55 161.3 56.6 85.0#



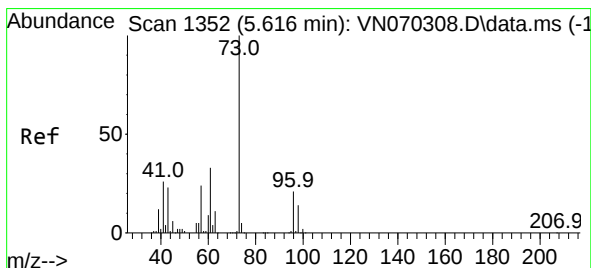
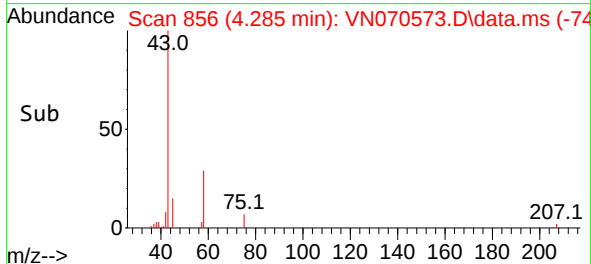
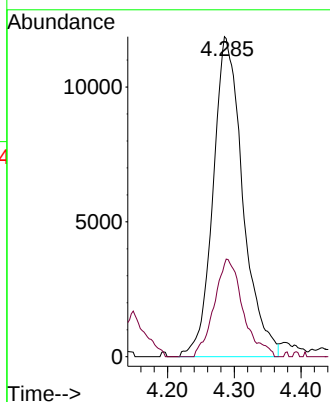


#16
Acetone
Concen: 3.505 ug/l
RT: 4.285 min Scan# 856
Delta R.T. 0.000 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Instrument :
MSVOA_N
ClientSampleId :

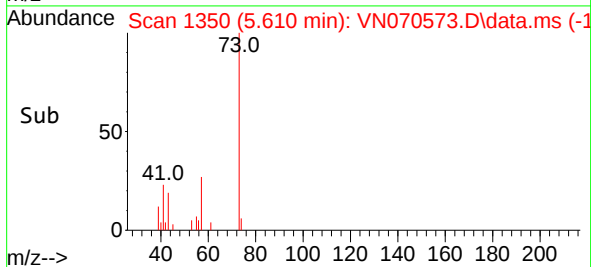
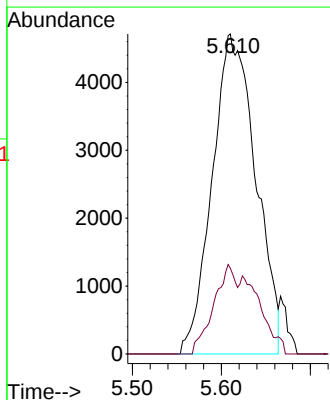
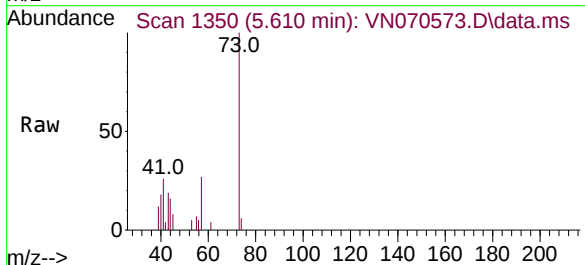


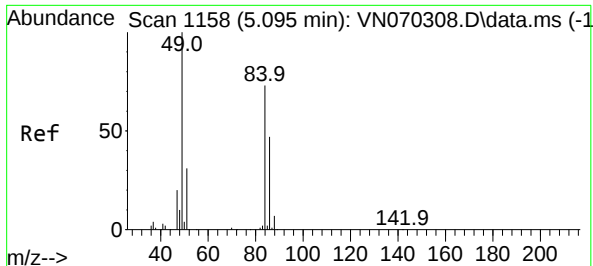
Tgt Ion: 43 Resp: 36741
Ion Ratio Lower Upper
43 100
58 28.8 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 0.377 ug/l
RT: 5.610 min Scan# 1350
Delta R.T. -0.006 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Tgt Ion: 73 Resp: 15997
Ion Ratio Lower Upper
73 100
57 26.8 16.8 25.2#

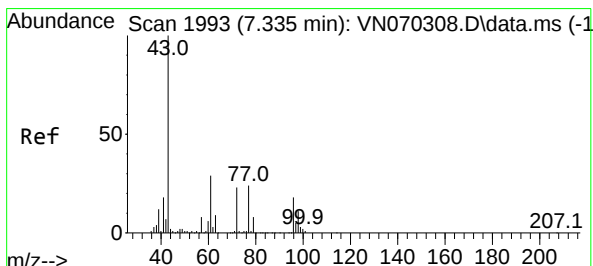
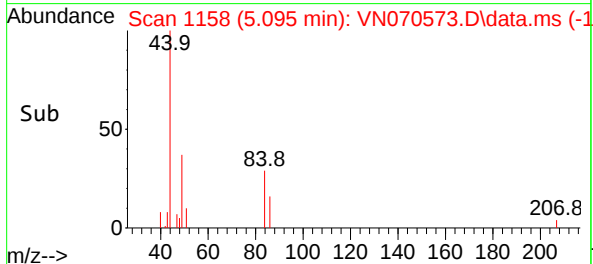
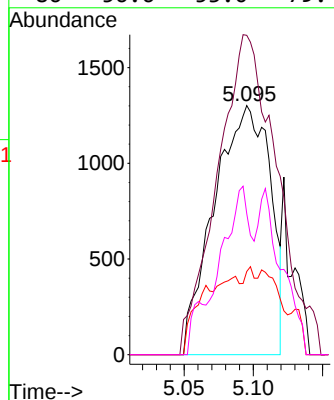
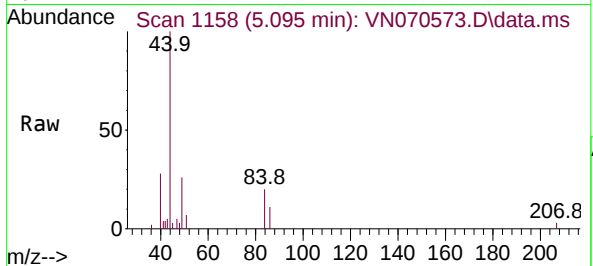




#20
Methylene Chloride
Concen: 0.252 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.000 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

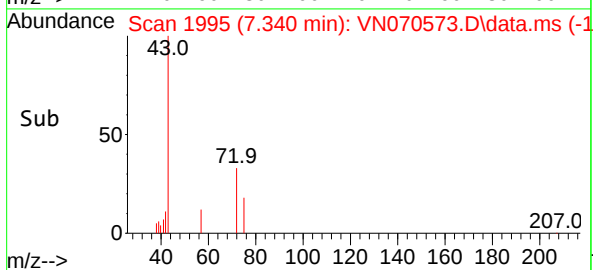
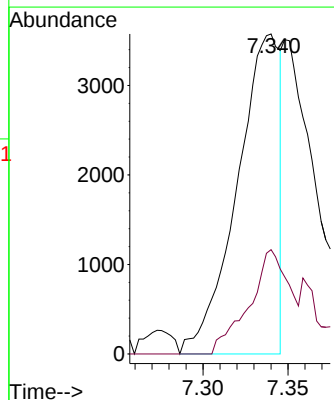
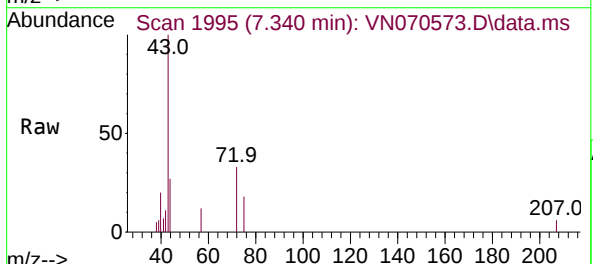
Instrument :
MSVOA_N
ClientSampleId :

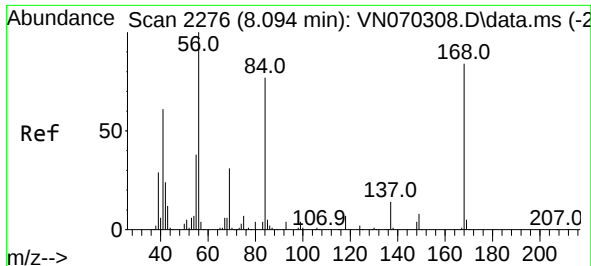
Tgt Ion: 84	Resp: 3657
Ion Ratio	Lower Upper
84 100	
49 128.2	93.5 140.3
51 33.4	29.4 44.2
86 56.6	53.0 79.4



#25
2-Butanone
Concen: 0.474 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

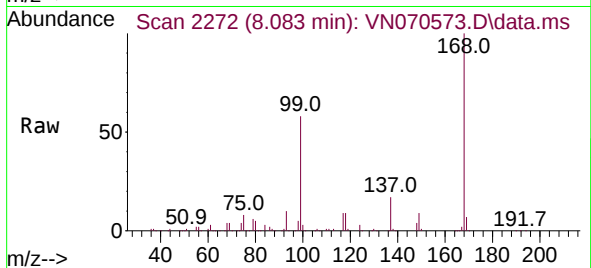
Tgt Ion: 43	Resp: 6252		
Ion Ratio	Lower	Upper	
43 100			
72 32.6	21.7	32.5#	



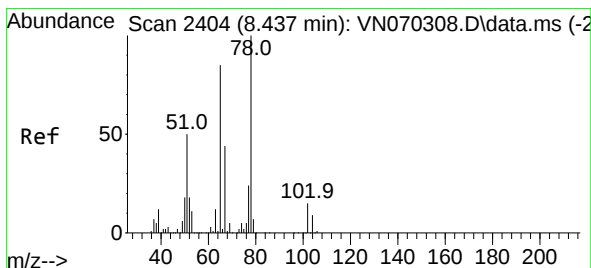
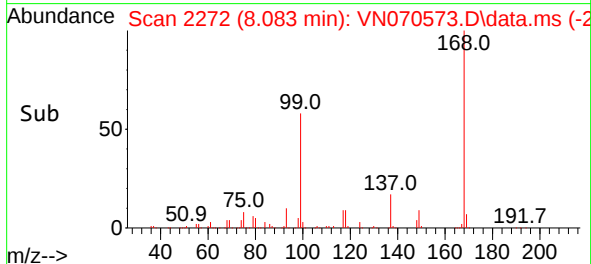
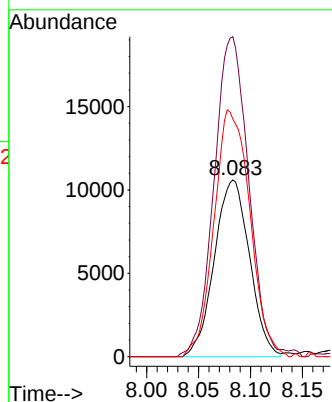


#31
Cyclohexane
Concen: 0.980 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Instrument :
MSVOA_N
ClientSampleId :

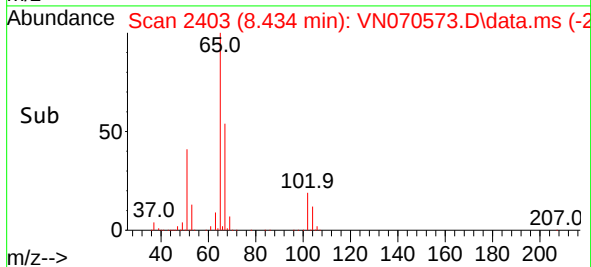
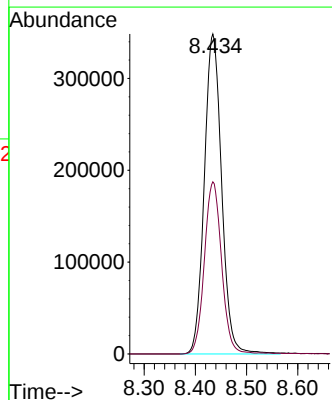
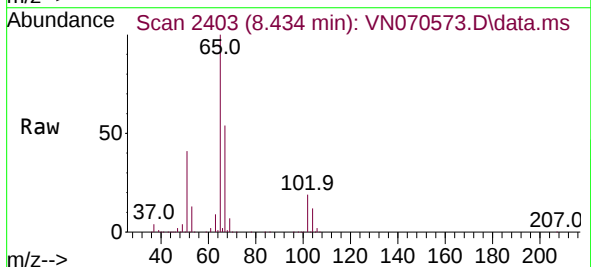


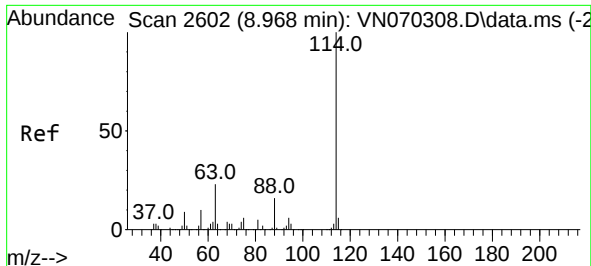
Tgt Ion: 56 Resp: 24962
Ion Ratio Lower Upper
56 100
69 179.5 27.1 40.7#
84 134.3 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.799 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.003 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

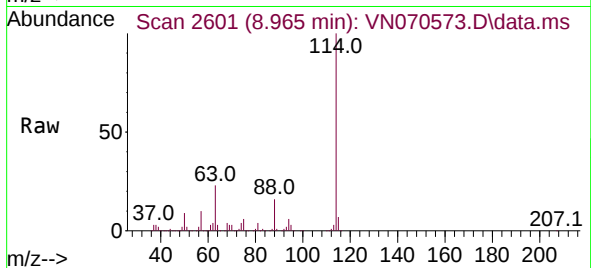
Tgt Ion: 65 Resp: 820195
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0





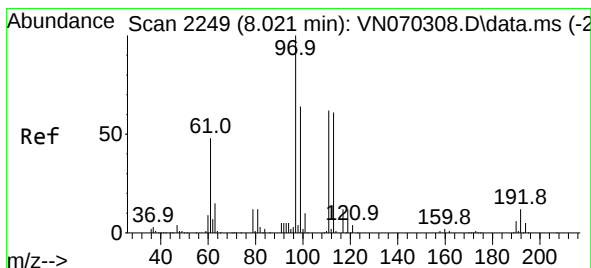
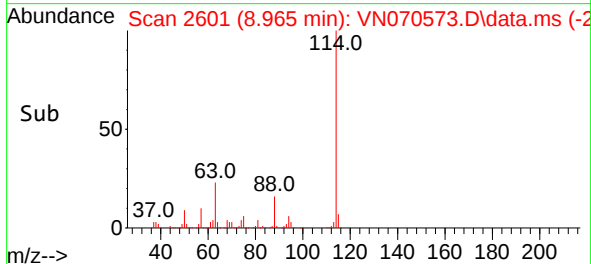
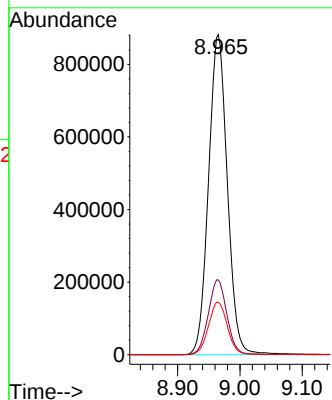
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.965 min Scan# 2601
 Delta R.T. -0.003 min
 Lab File: VN070573.D
 Acq: 11 Jan 2022 17:26

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:114 Resp: 1847050

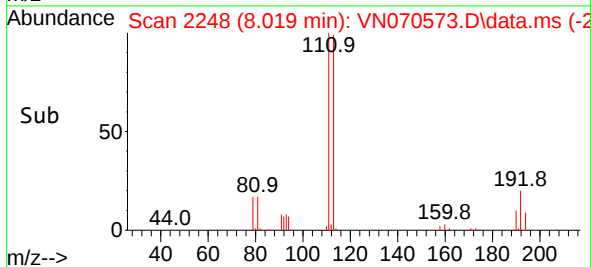
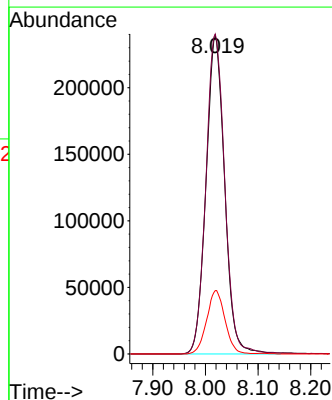
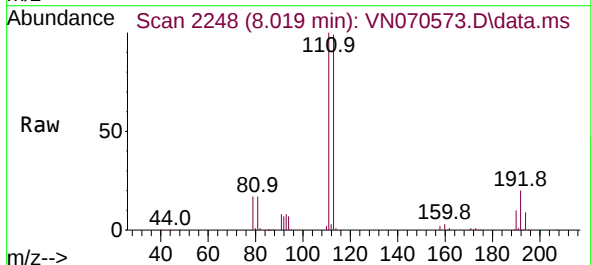
Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	37.8
88	16.4	0.0	27.4

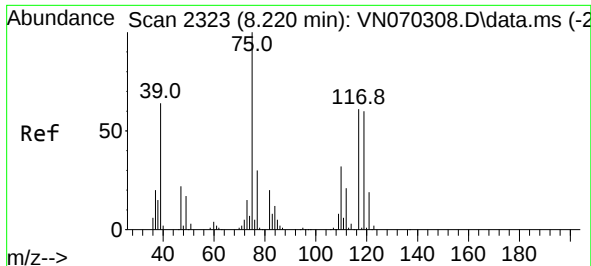


#35
 Dibromofluoromethane
 Concen: 52.441 ug/l
 RT: 8.019 min Scan# 2248
 Delta R.T. -0.002 min
 Lab File: VN070573.D
 Acq: 11 Jan 2022 17:26

Tgt Ion:113 Resp: 586058

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.2
192	19.7	16.9	25.3

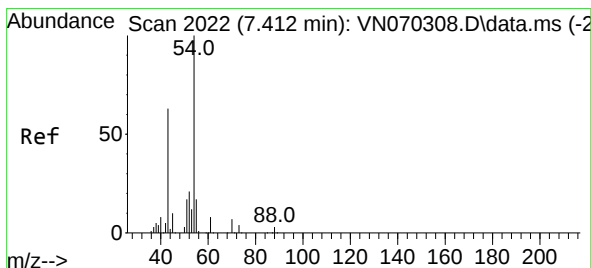
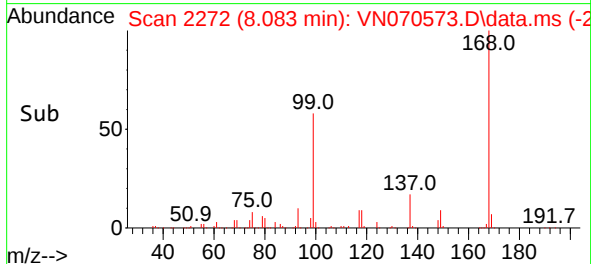
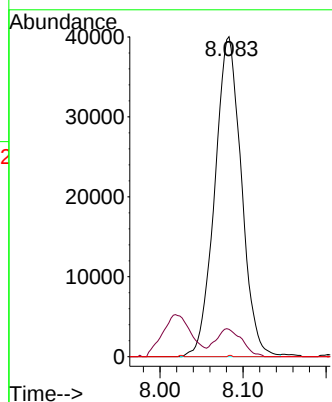
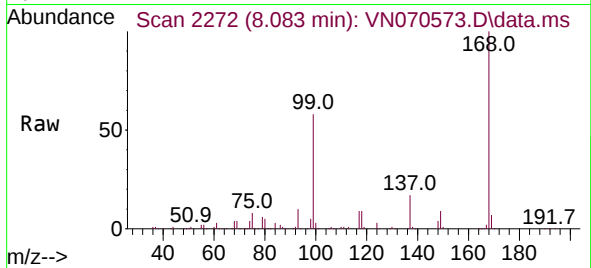




#36
1,1-Dichloropropene
Concen: 4.819 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

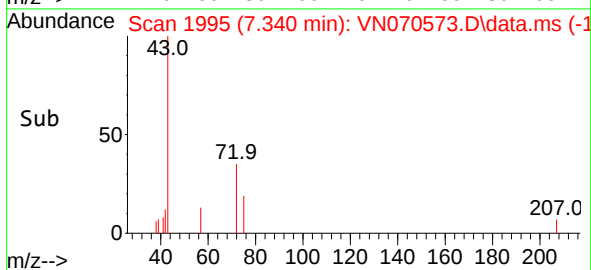
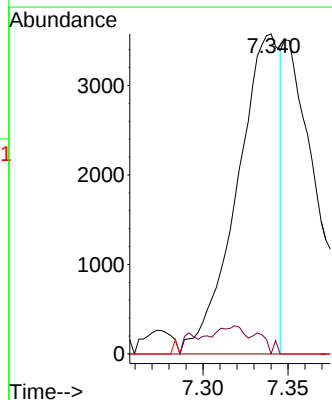
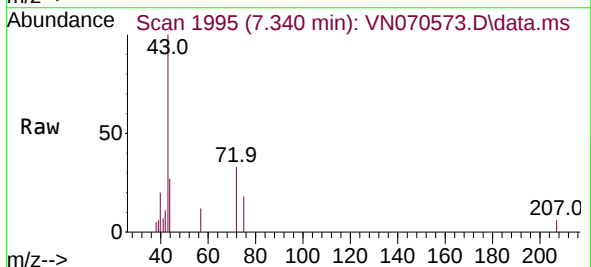
Instrument :
MSVOA_N
ClientSampleId :

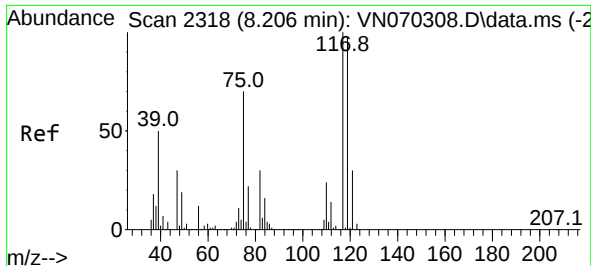
Tgt Ion: 75 Resp: 89100
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.1 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.261 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.072 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

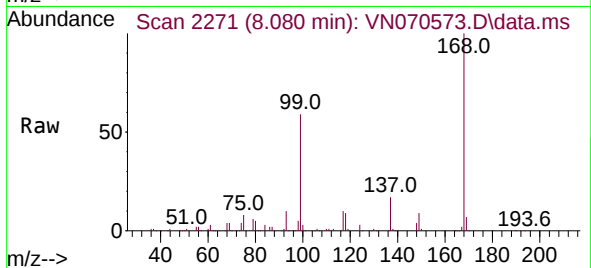
Tgt Ion: 43 Resp: 6252
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



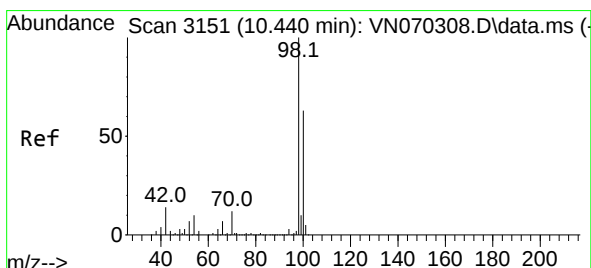
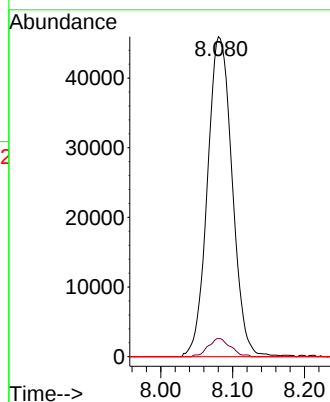
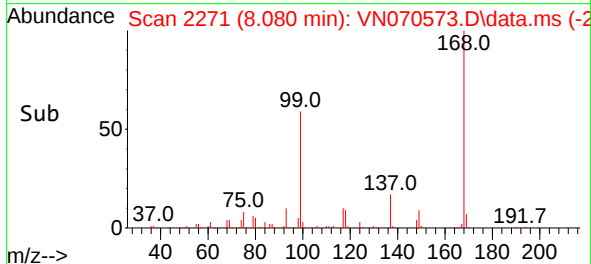


#38
Carbon Tetrachloride
Concen: 6.216 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.126 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Instrument :
MSVOA_N
ClientSampleId :

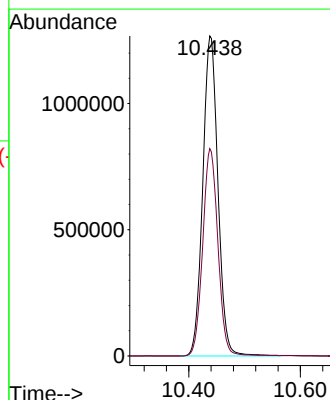
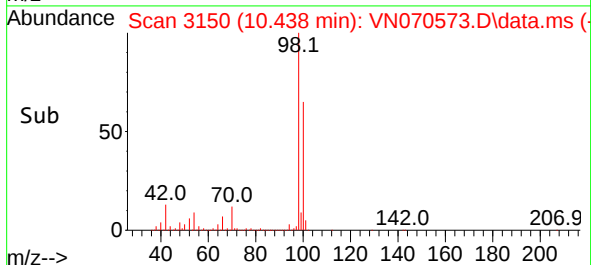
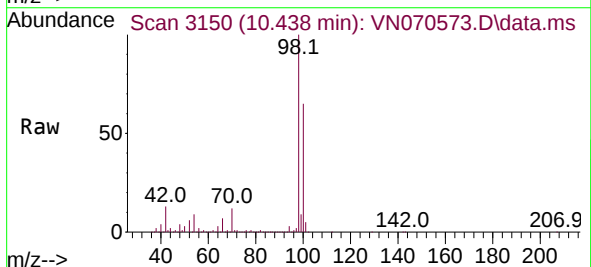


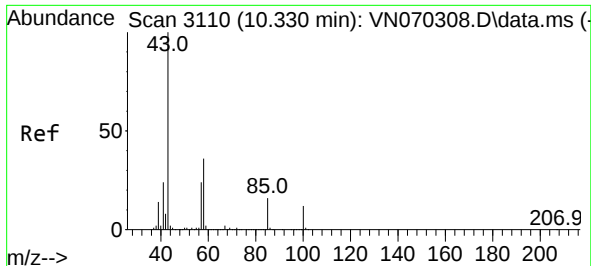
Tgt Ion:117 Resp: 109728
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.553 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.002 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Tgt Ion: 98 Resp: 2399243
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6

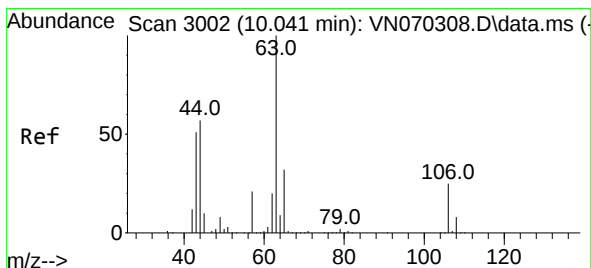
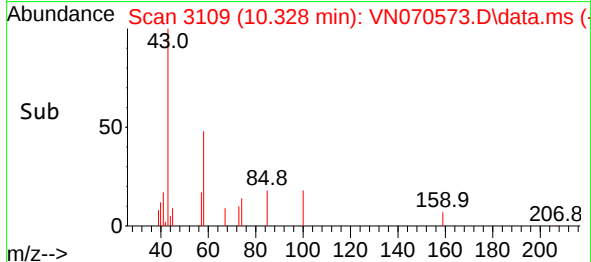
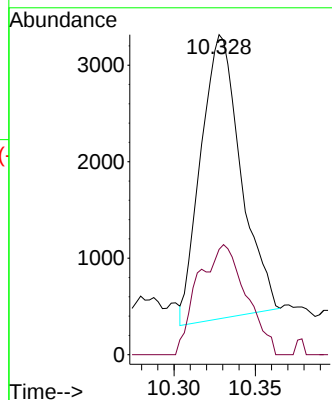
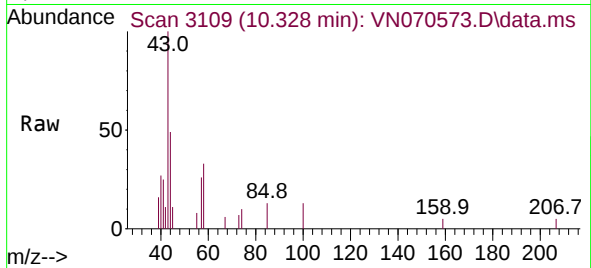




#51
4-Methyl-2-Pentanone
Concen: 0.212 ug/l
RT: 10.328 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

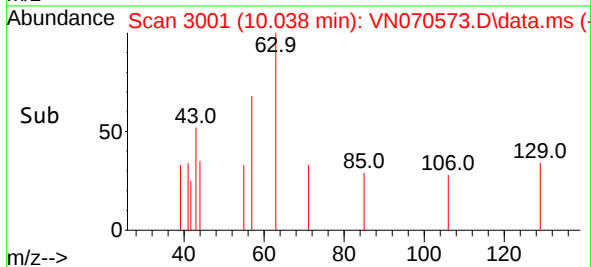
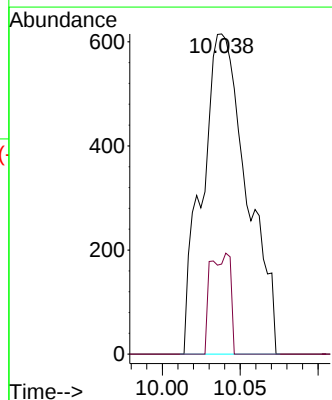
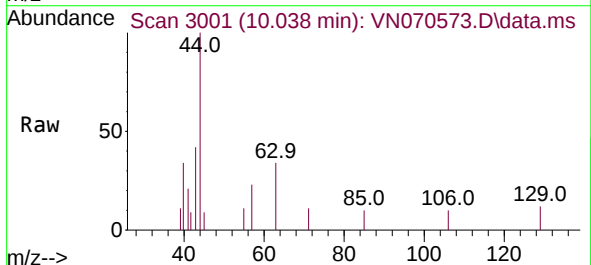
Instrument :
MSVOA_N
ClientSampleId :

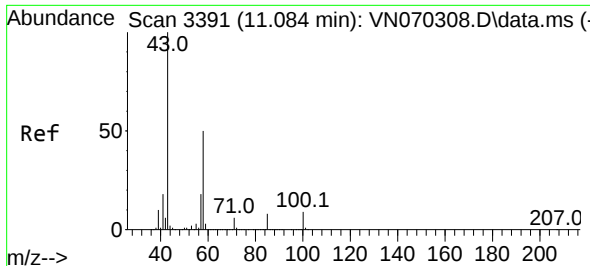
Tgt Ion: 43 Resp: 5038
Ion Ratio Lower Upper
43 100
58 46.5 30.4 45.6#



#58
2-Chloroethyl Vinyl ether
Concen: 18.712 ug/l
RT: 10.038 min Scan# 3001
Delta R.T. -0.003 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Tgt Ion: 63 Resp: 1232
Ion Ratio Lower Upper
63 100
106 6.9 23.9 35.9#

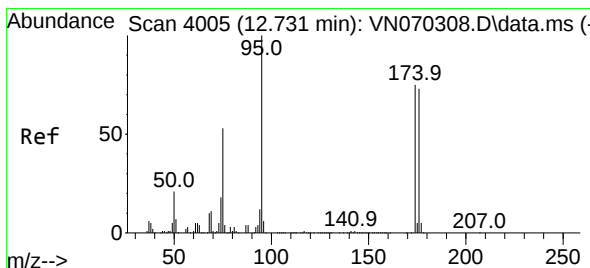
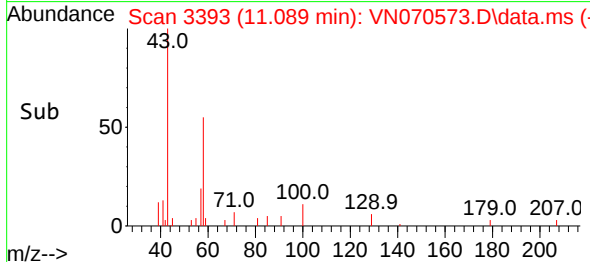
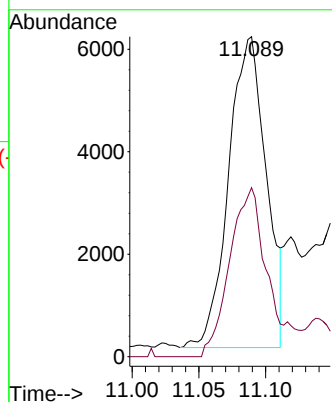
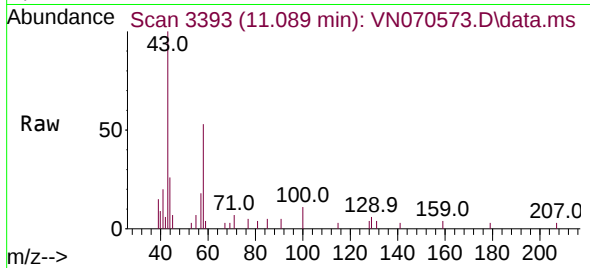




#59
2-Hexanone
Concen: 0.684 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

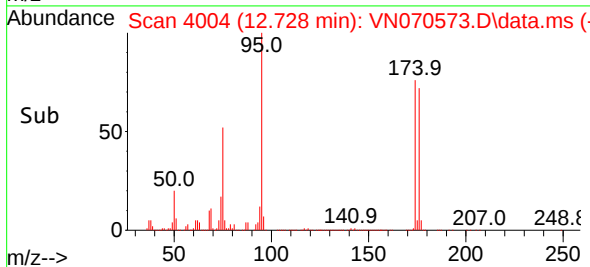
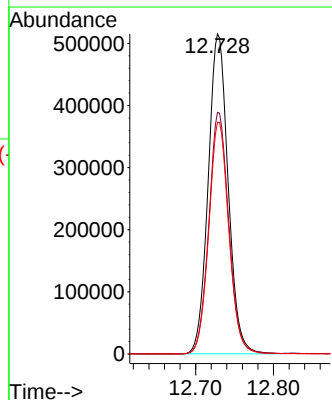
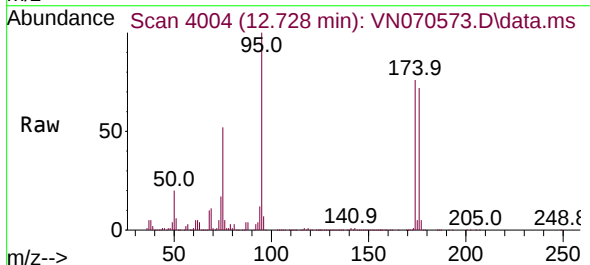
Instrument :
MSVOA_N
ClientSampleId :

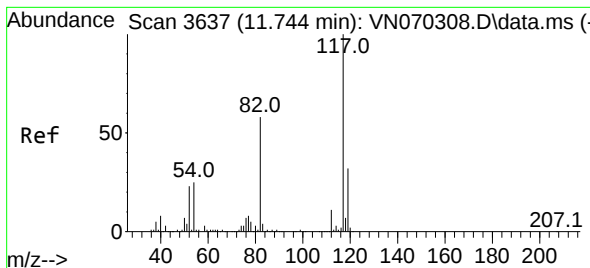
Tgt Ion: 43 Resp: 11849
Ion Ratio Lower Upper
43 100
58 55.9 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 55.621 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Tgt Ion: 95 Resp: 917144
Ion Ratio Lower Upper
95 100
174 75.7 0.0 187.2
176 72.7 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.741 min Scan# 3

Delta R.T. -0.003 min

Lab File: VN070573.D

Acq: 11 Jan 2022 17:26

Instrument :

MSVOA_N

ClientSampleId :

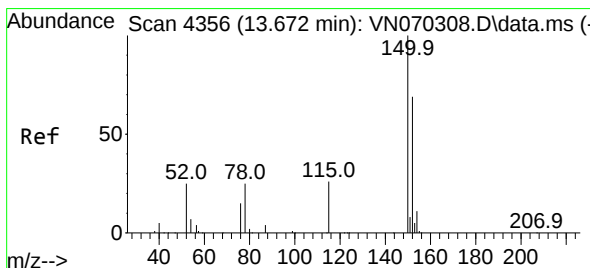
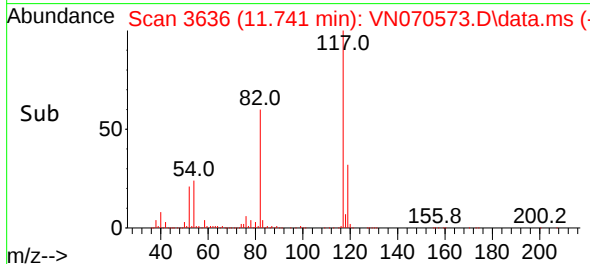
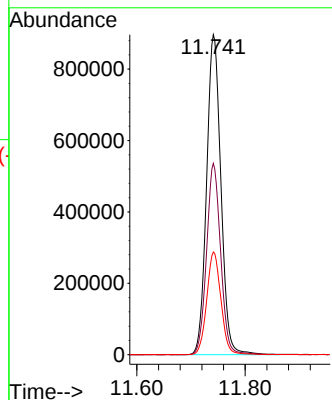
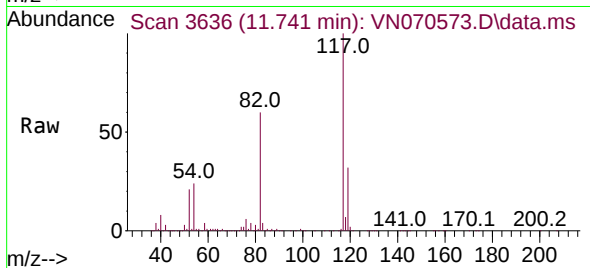
Tgt Ion:117 Resp: 1647080

Ion Ratio Lower Upper

117 100

82 59.8 42.4 63.6

119 32.1 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.672 min Scan# 4356

Delta R.T. 0.000 min

Lab File: VN070573.D

Acq: 11 Jan 2022 17:26

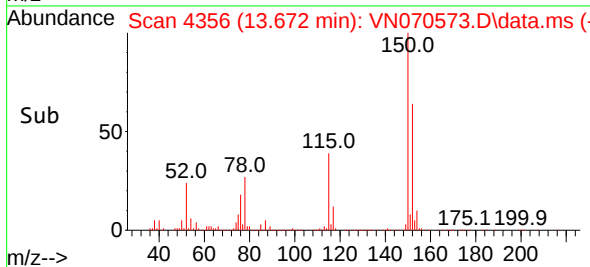
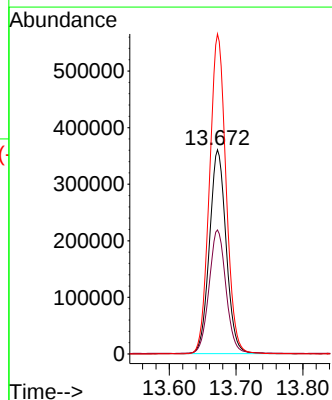
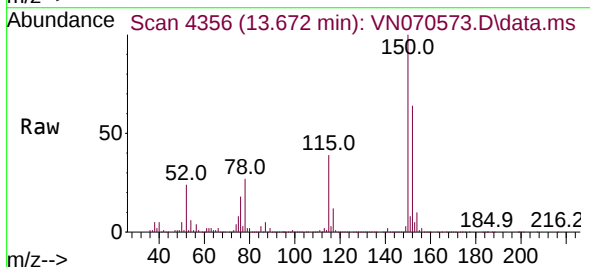
Tgt Ion:152 Resp: 625973

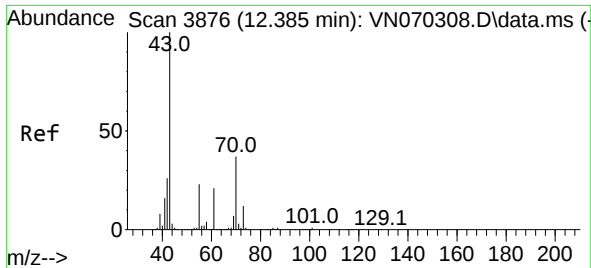
Ion Ratio Lower Upper

152 100

115 61.5 27.5 82.5

150 155.1 0.0 344.4

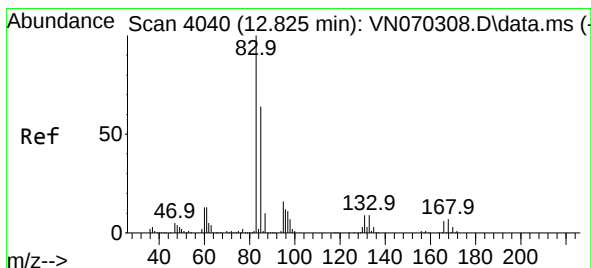
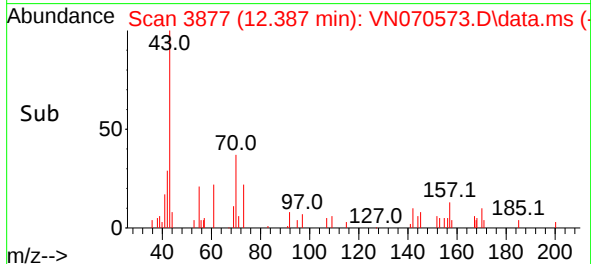
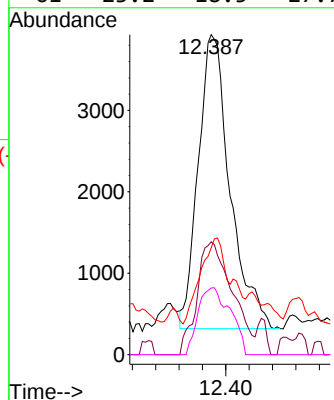
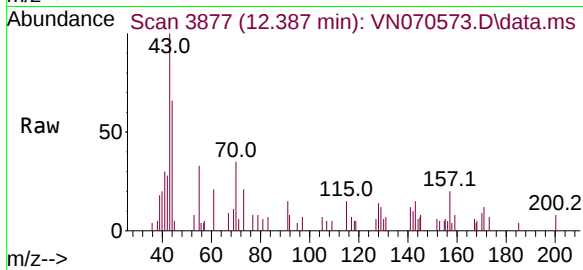




#74
N-amy1 acetate
Concen: 0.278 ug/l
RT: 12.387 min Scan# 3876
Delta R.T. 0.002 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

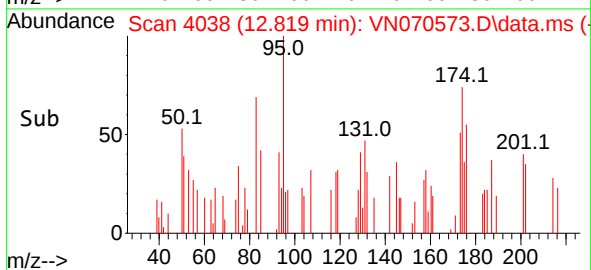
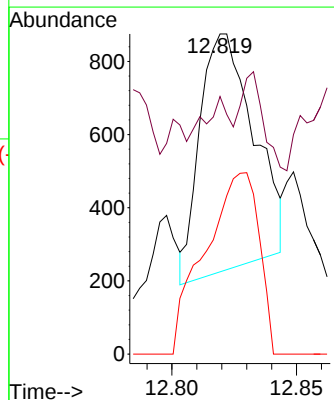
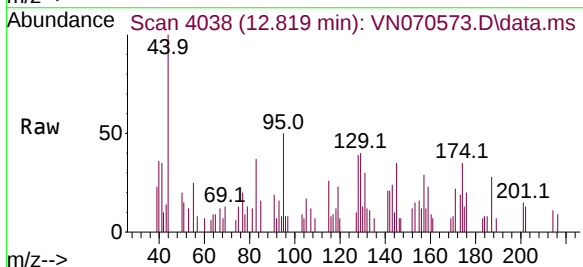
Instrument :
MSVOA_N
ClientSampleId :

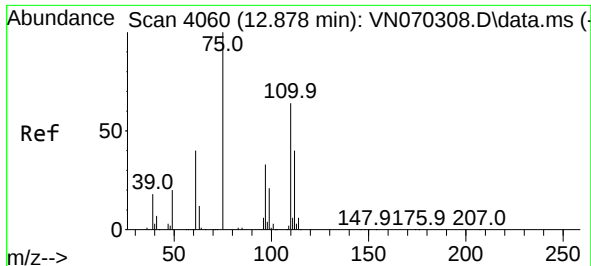
Tgt Ion: 43	Resp: 6805
Ion Ratio	Lower Upper
43 100	
70 42.9	33.4 50.0
55 22.9	19.3 28.9
61 23.2	18.5 27.7



#75
1,1,2,2-Tetrachloroethane
Concen: 0.493 ug/l
RT: 12.819 min Scan# 4038
Delta R.T. -0.006 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Tgt Ion: 83	Resp: 976
Ion Ratio	Lower Upper
83 100	
131 17.0	5.5 16.5#
85 76.3	32.4 97.2

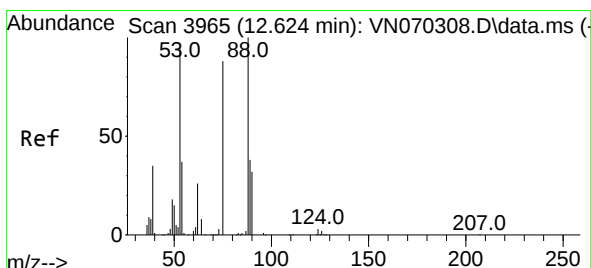
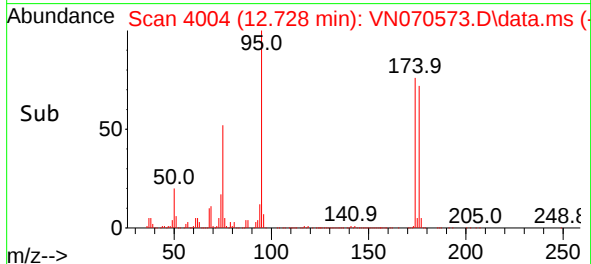
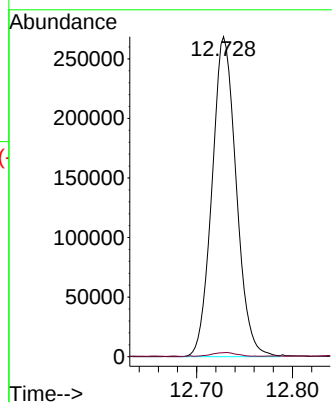
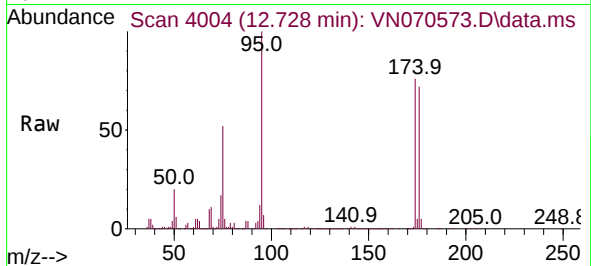




#76
1,2,3-Trichloropropane
Concen: 26.773 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.150 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

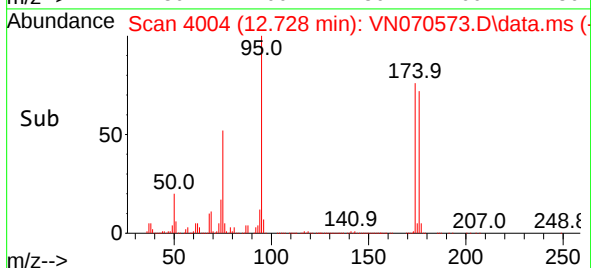
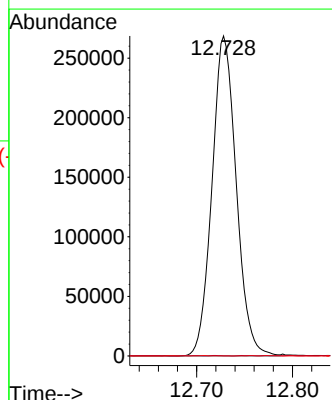
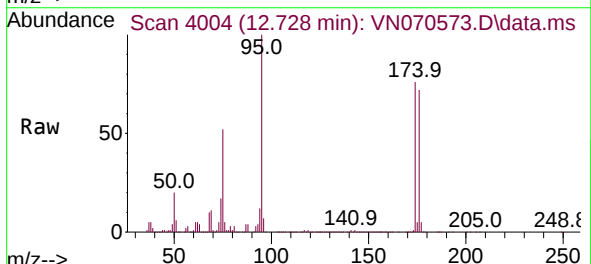
Instrument :
MSVOA_N
ClientSampleId :

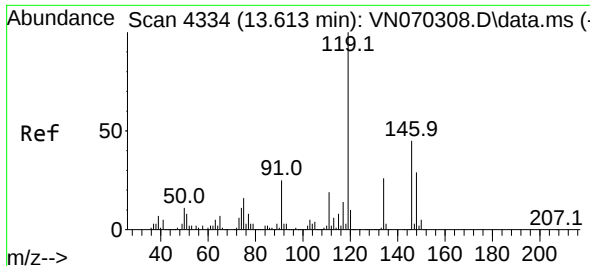
Tgt Ion: 75 Resp: 471265
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.981 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.104 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Tgt Ion: 75 Resp: 471265
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

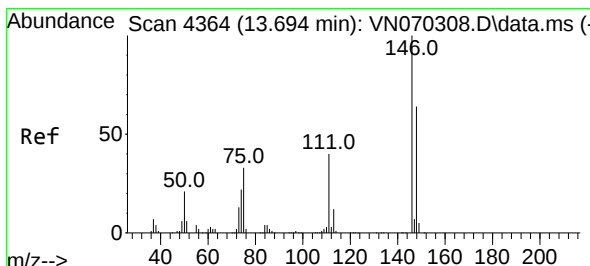
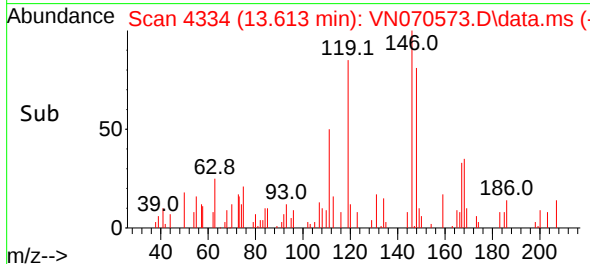
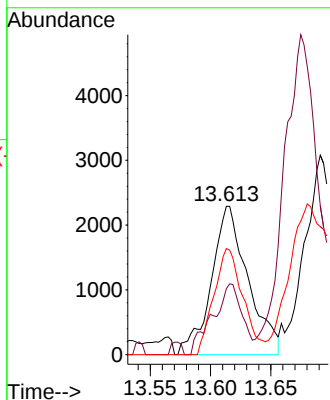
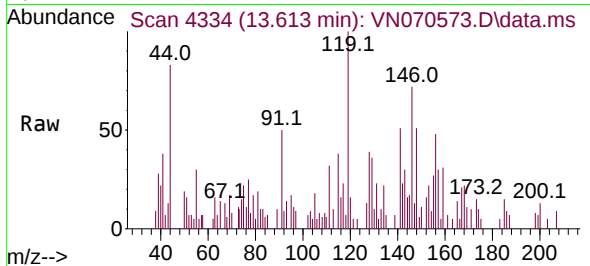




#87
1,3-Dichlorobenzene
Concen: 0.217 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. 0.000 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

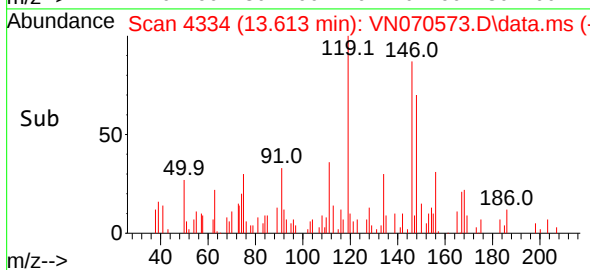
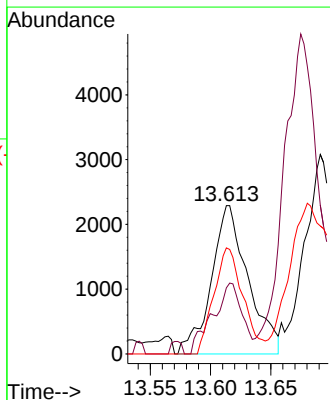
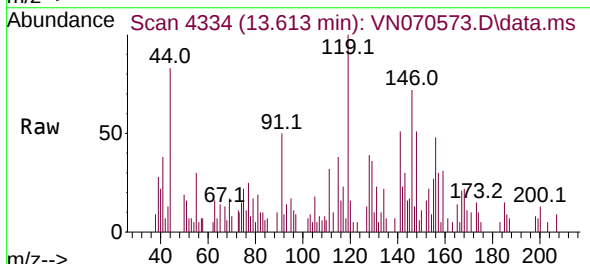
Instrument :
MSVOA_N
ClientSampleId :

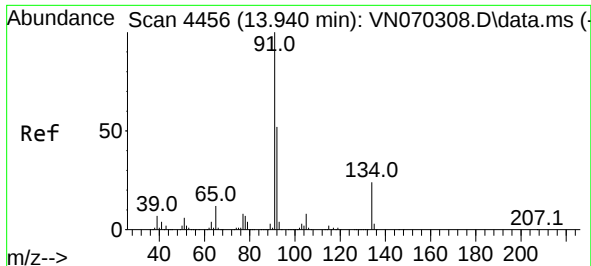
Tgt Ion:146 Resp: 4854
Ion Ratio Lower Upper
146 100
111 38.4 18.6 55.6
148 57.2 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 0.220 ug/l
RT: 13.613 min Scan# 4334
Delta R.T. -0.081 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Tgt Ion:146 Resp: 4854
Ion Ratio Lower Upper
146 100
111 38.4 18.3 54.8
148 57.2 31.8 95.4

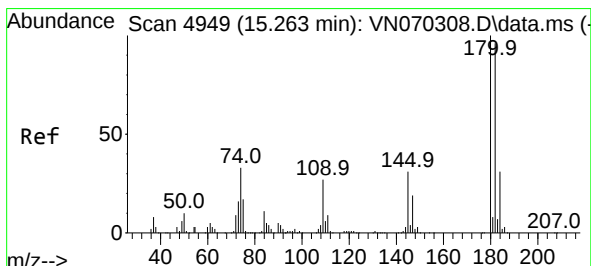
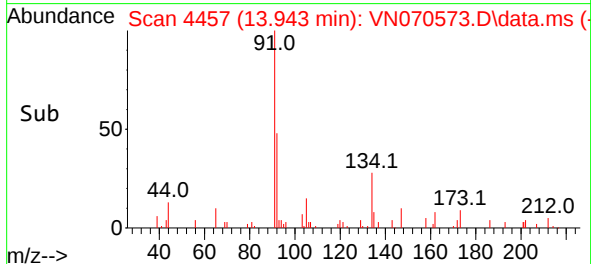
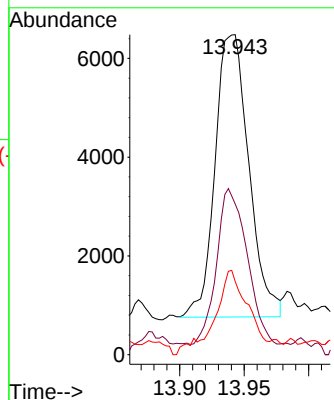
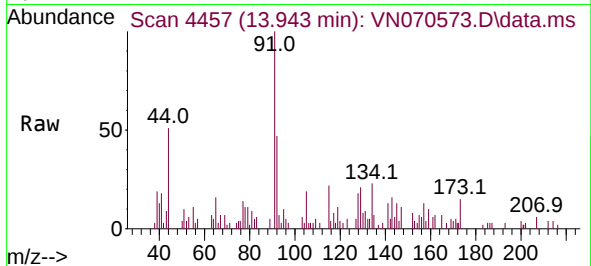




#89
n-Butylbenzene
Concen: 0.286 ug/l
RT: 13.943 min Scan# 4456
Delta R.T. 0.003 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

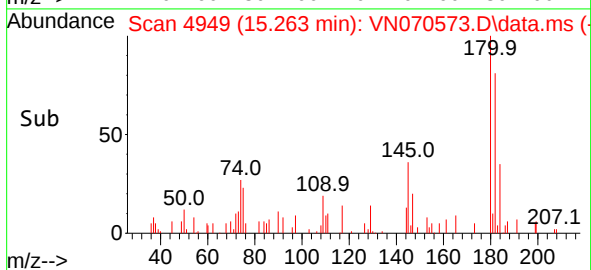
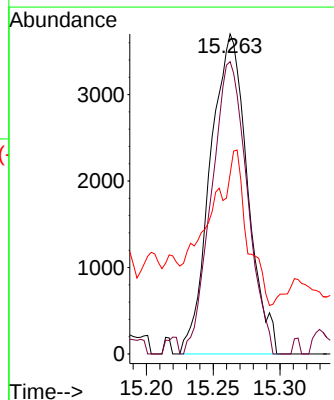
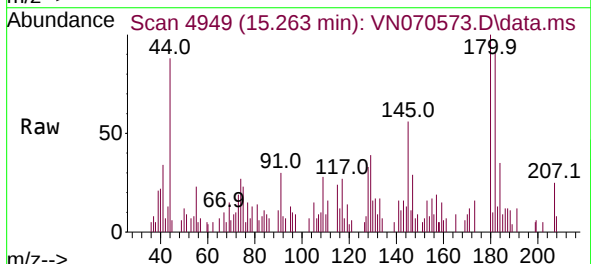
Instrument :
MSVOA_N
ClientSampleId :

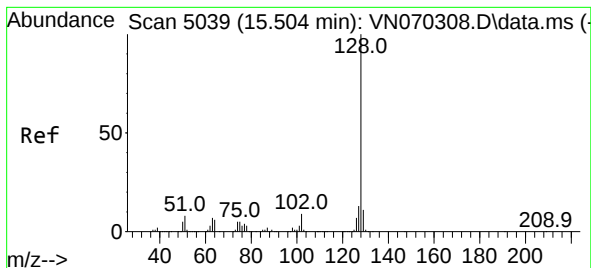
Tgt Ion: 91 Resp: 10428
Ion Ratio Lower Upper
91 100
92 50.7 25.4 76.0
134 29.8 13.6 40.8



#93
1,2,4-Trichlorobenzene
Concen: 0.694 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.000 min
Lab File: VN070573.D
Acq: 11 Jan 2022 17:26

Tgt Ion: 180 Resp: 7162
Ion Ratio Lower Upper
180 100
182 87.6 48.3 144.9
145 23.2 14.5 43.5





#95

Naphthalene

Concen: 2.752 ug/l

RT: 15.504 min Scan# 5039

Delta R.T. -0.000 min

Lab File: VN070573.D

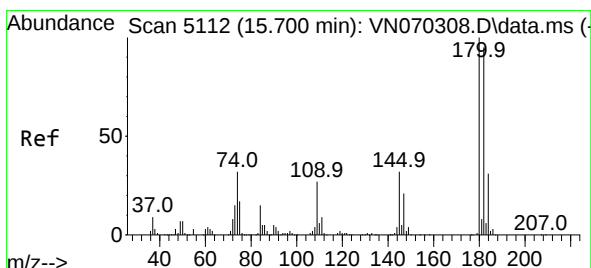
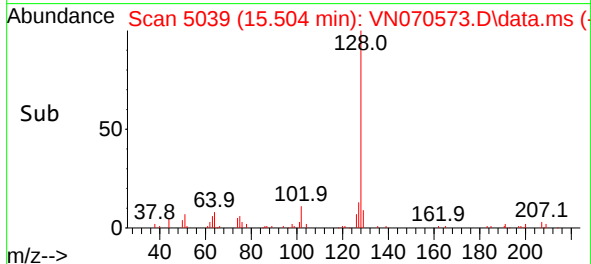
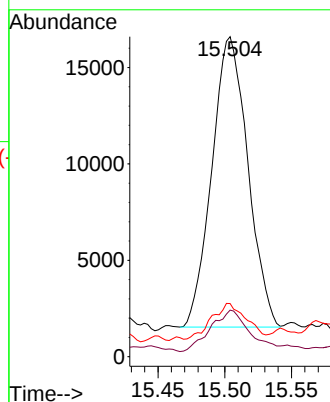
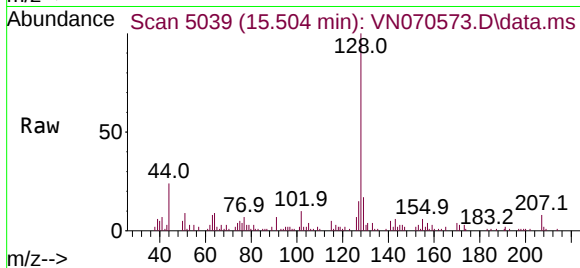
Acq: 11 Jan 2022 17:26

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	28250
Ion Ratio	Lower	Upper
128	100	
127	15.4	10.5 15.7
129	11.8	8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.557 ug/l

RT: 15.697 min Scan# 5111

Delta R.T. -0.003 min

Lab File: VN070573.D

Acq: 11 Jan 2022 17:26

Tgt Ion:180	Resp:	7333
Ion Ratio	Lower	Upper
180	100	
182	93.2	47.4 142.2
145	38.4	15.0 45.1

