

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070055.D
 Acq On : 14 Dec 2021 2:15
 Operator : JC/MD
 Sample : M5007-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 07:30:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

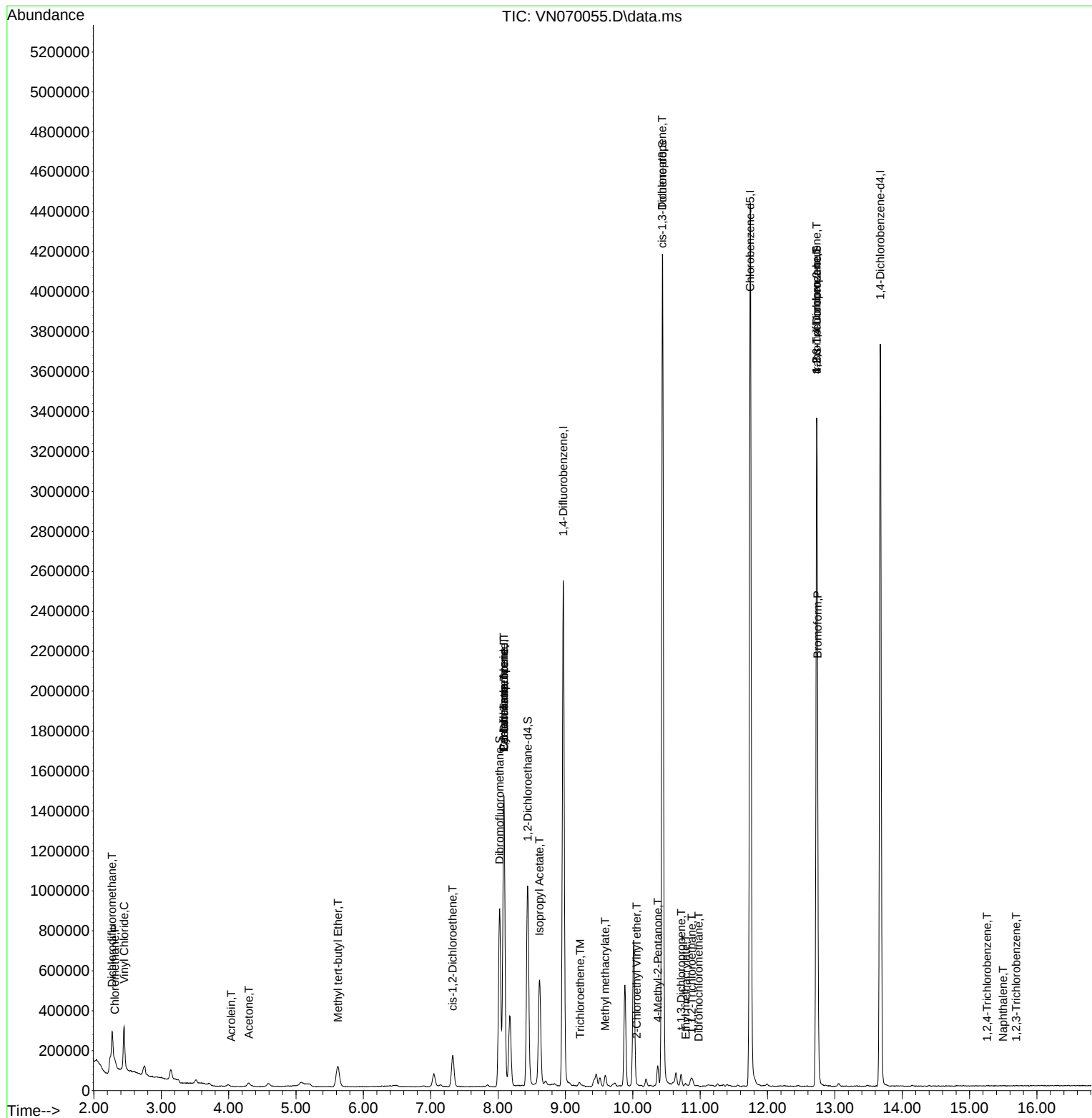
Internal Standards						
1) Pentafluorobenzene	8.088	168	1076739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2094322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2456544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	995566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	883381	53.136	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.280%	
35) Dibromofluoromethane	8.024	113	640732	48.842	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.680%	
50) Toluene-d8	10.440	98	2809893	53.344	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.680%	
62) 4-Bromofluorobenzene	12.731	95	1179004	61.783	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 123.560%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.271	85	17385	1.384	ug/l	92
3) Chloromethane	2.309	50	5126	0.326	ug/l	95
4) Vinyl Chloride	2.451	62	101376	7.007	ug/l	91
13) Acrolein	4.039	56	574	0.214	ug/l #	14
16) Acetone	4.299	43	29667	2.967	ug/l	97
19) Methyl tert-butyl Ether	5.624	73	129635	3.251	ug/l #	79
27) cis-1,2-Dichloroethene	7.327	96	88642	6.586	ug/l	96
31) Cyclohexane	8.086	56	30480	1.317	ug/l #	35
36) 1,1-Dichloropropene	8.088	75	91658	4.597	ug/l #	49
38) Carbon Tetrachloride	8.086	117	111424	5.699	ug/l #	16
43) Isopropyl Acetate	8.614	43	111205	2.532	ug/l #	55
44) Trichloroethene	9.217	130	3051	0.210	ug/l	99
48) Methyl methacrylate	9.590	41	18646	0.910	ug/l #	33
51) 4-Methyl-2-Pentanone	10.373	43	13500	0.474	ug/l #	55
53) t-1,3-Dichloropropene	10.719	75	24	2.795	ug/l #	43
54) cis-1,3-Dichloropropene	10.438	75	374	2.013	ug/l #	1
55) 1,1,2-Trichloroethane	10.875	97	8260	0.550	ug/l #	27
56) Ethyl methacrylate	10.786	69	999	2.313	ug/l #	36
58) 2-Chloroethyl Vinyl ether	10.057	63	268	18.421	ug/l #	45
60) Dibromochloromethane	10.980	129	96	2.382	ug/l #	11
71) Bromoform	12.744	173	699	2.775	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	661469	23.168	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	661469	73.729	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	324	2.897	ug/l #	1
95) Naphthalene	15.499	128	1074	4.005	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.692	180	208	2.448	ug/l #	1

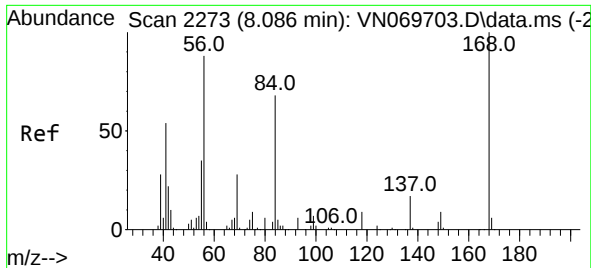
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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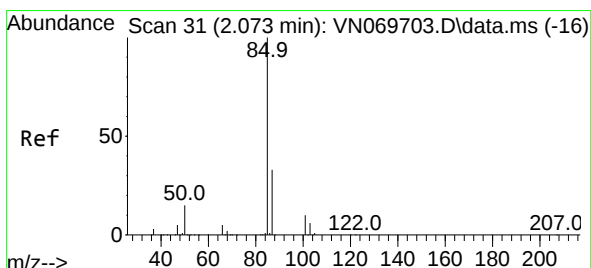
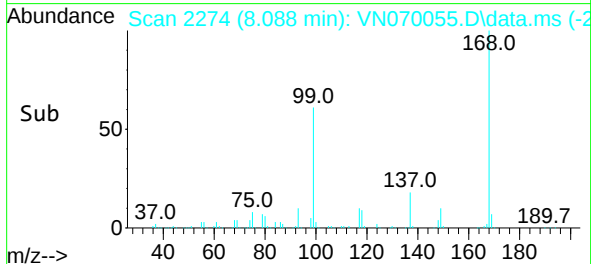
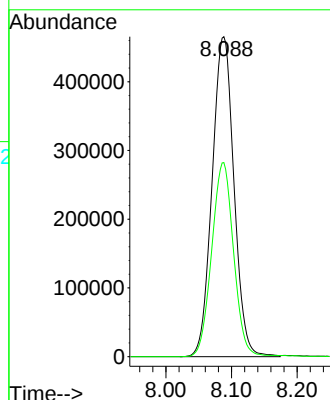
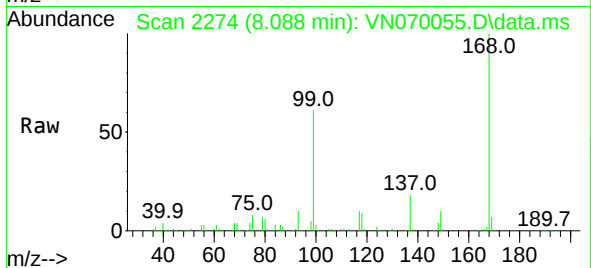




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

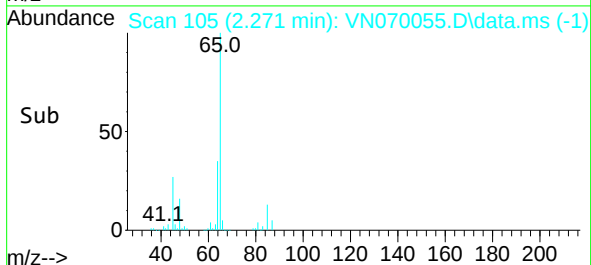
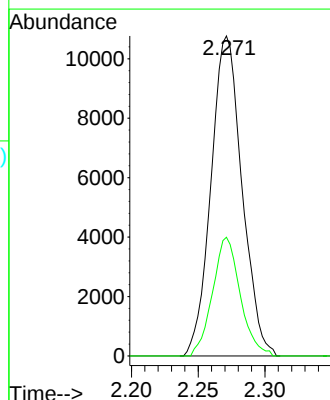
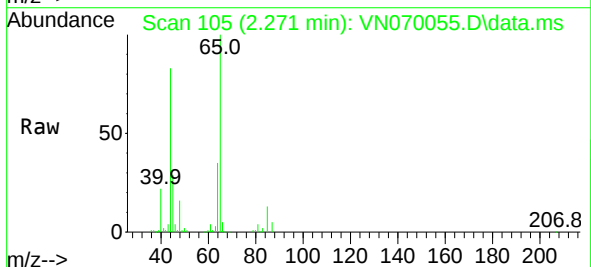
Instrument :
MSVOA_N
ClientSampleId :

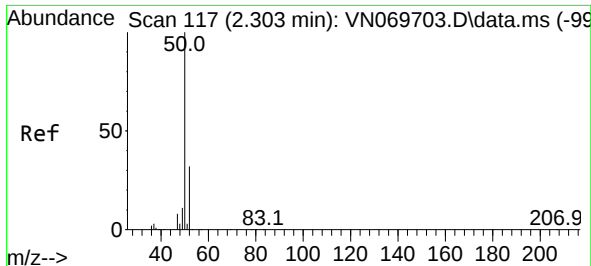
Tgt Ion:168 Resp: 1076739
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 1.384 ug/l
RT: 2.271 min Scan# 105
Delta R.T. 0.199 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Tgt Ion: 85 Resp: 17385
Ion Ratio Lower Upper
85 100
87 37.1 16.3 48.9

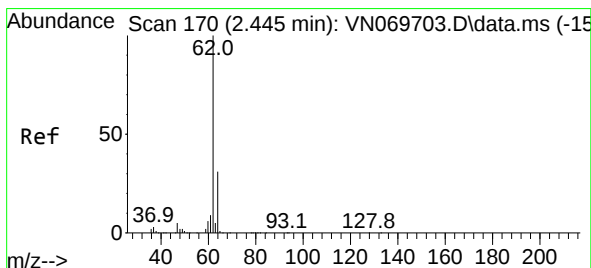
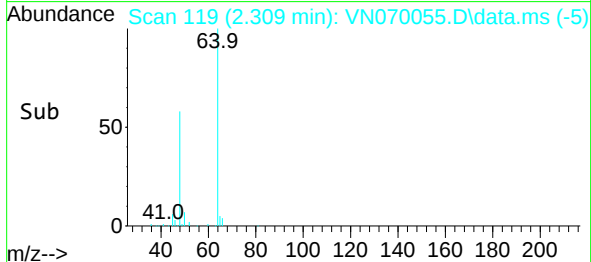
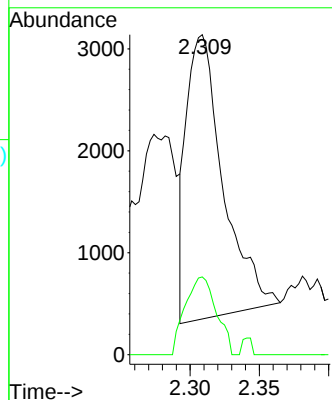
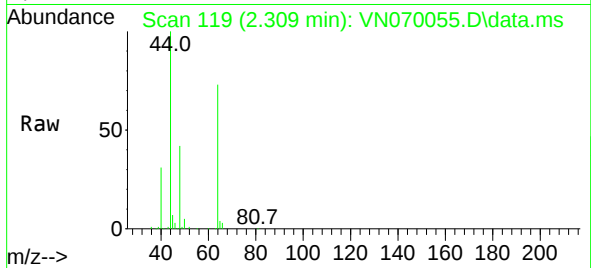




#3
Chloromethane
Concen: 0.326 ug/l
RT: 2.309 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

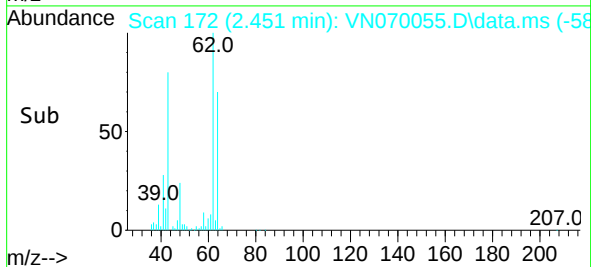
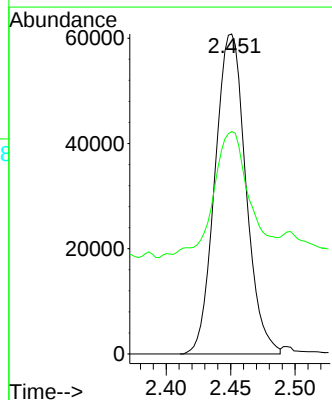
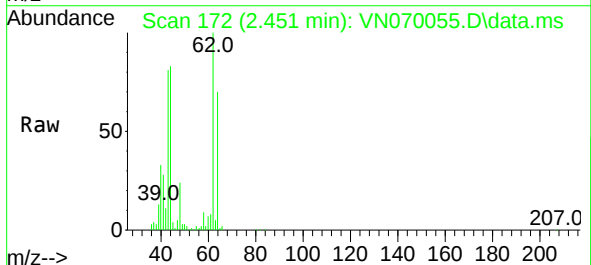
Instrument :
MSVOA_N
ClientSampleId :

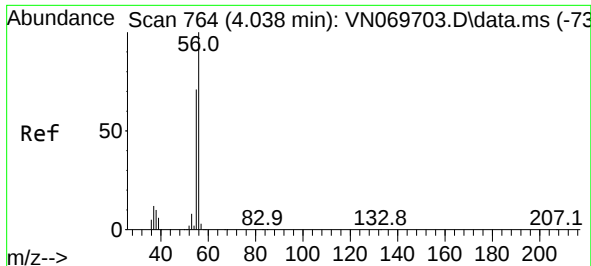
Tgt Ion: 50 Resp: 5126
Ion Ratio Lower Upper
50 100
52 29.0 25.4 38.0



#4
Vinyl Chloride
Concen: 7.007 ug/l
RT: 2.451 min Scan# 172
Delta R.T. 0.006 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Tgt Ion: 62 Resp: 101376
Ion Ratio Lower Upper
62 100
64 37.0 25.8 38.6

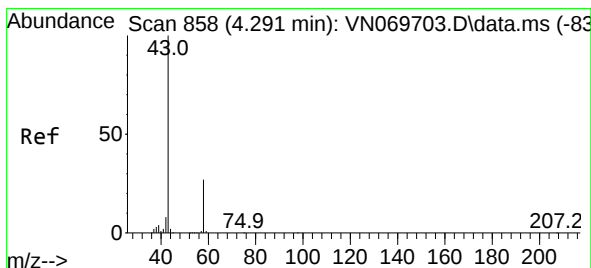
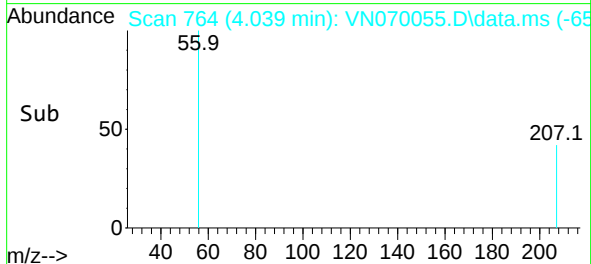
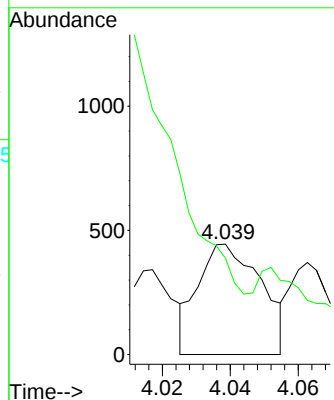
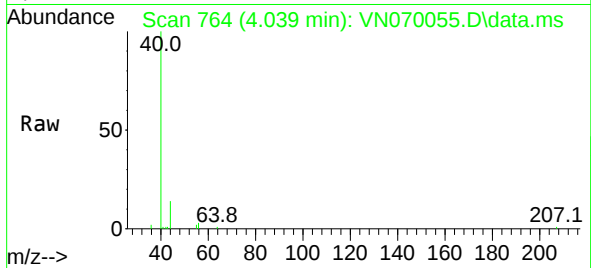




#13
Acrolein
Concen: 0.214 ug/l
RT: 4.039 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

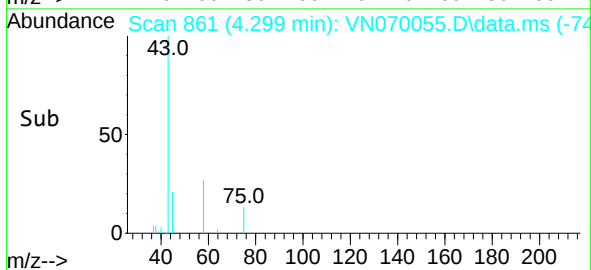
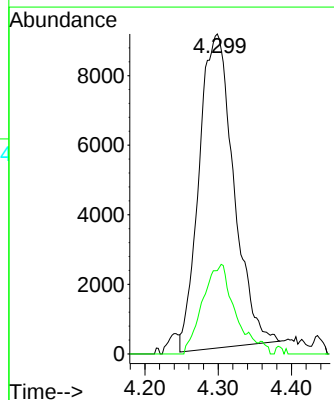
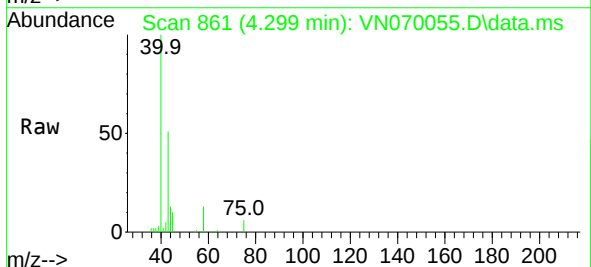
Instrument :
MSVOA_N
ClientSampleId :

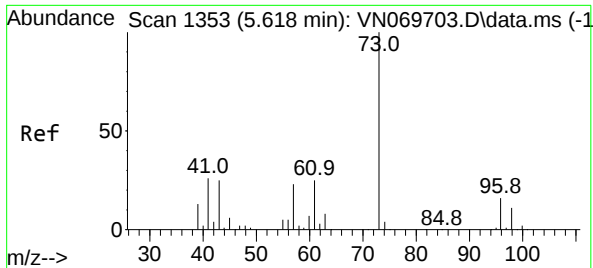
Tgt Ion: 56 Resp: 574
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 2.967 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Tgt Ion: 43 Resp: 29667
Ion Ratio Lower Upper
43 100
58 27.1 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 3.251 ug/l

RT: 5.624 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN070055.D

Acq: 14 Dec 2021 2:15

Instrument :

MSVOA_N

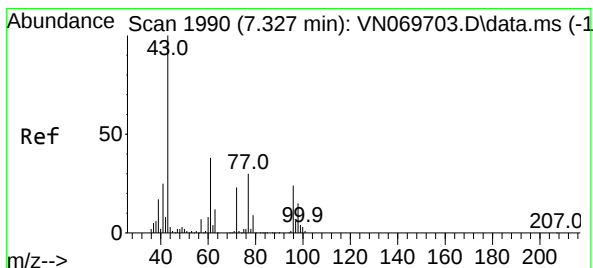
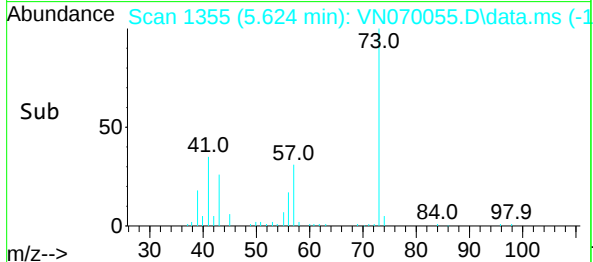
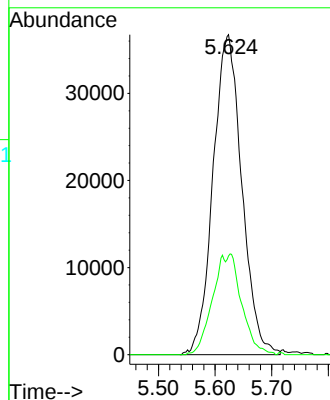
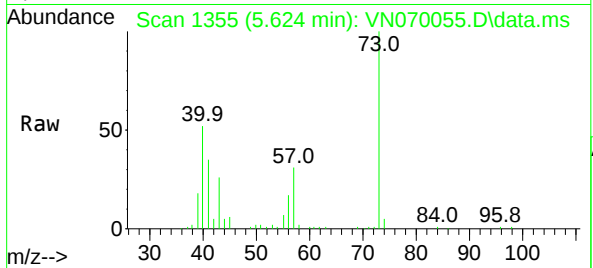
ClientSampleId :

Tgt Ion: 73 Resp: 129635

Ion Ratio Lower Upper

73 100

57 30.8 16.8 25.2#



#27

cis-1,2-Dichloroethene

Concen: 6.586 ug/l

RT: 7.327 min Scan# 1990

Delta R.T. 0.000 min

Lab File: VN070055.D

Acq: 14 Dec 2021 2:15

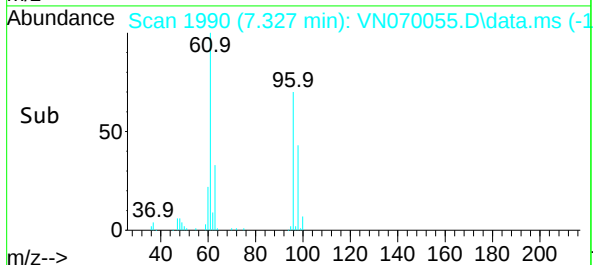
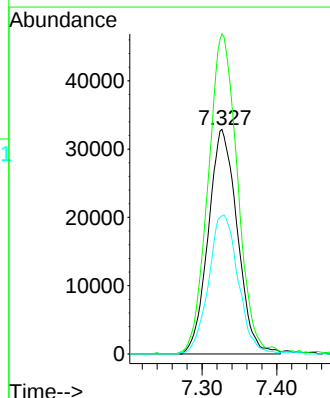
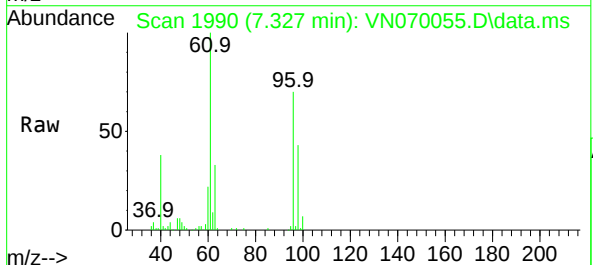
Tgt Ion: 96 Resp: 88642

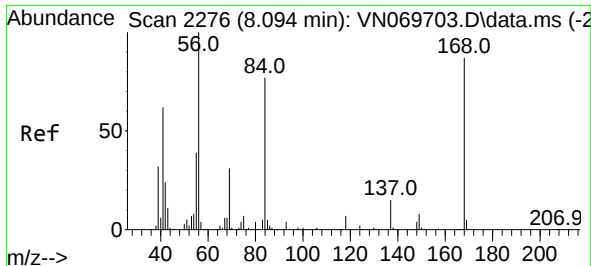
Ion Ratio Lower Upper

96 100

61 143.4 0.0 275.0

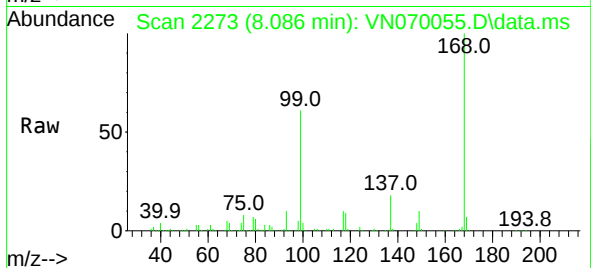
98 63.0 0.0 129.6



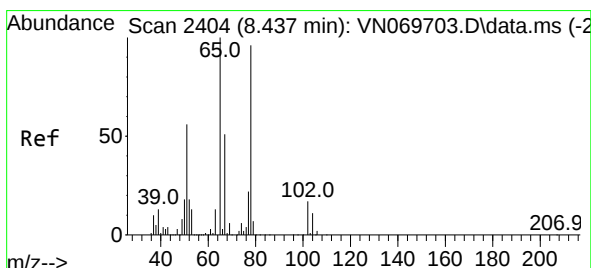
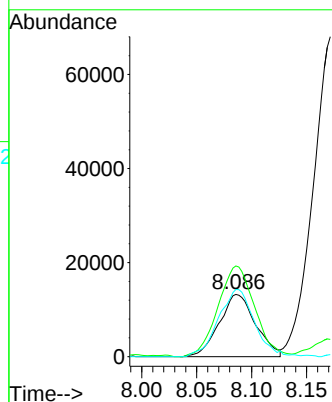
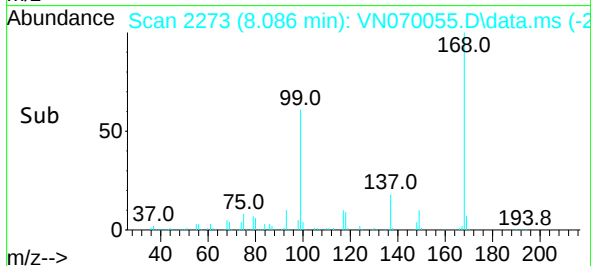


#31
Cyclohexane
Concen: 1.317 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Instrument :
MSVOA_N
ClientSampleId :

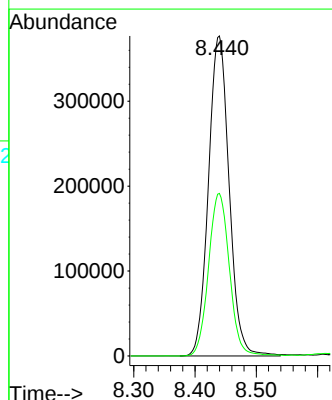
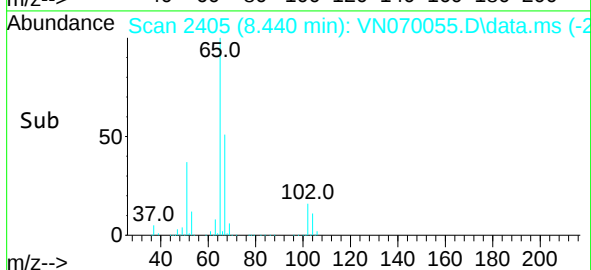
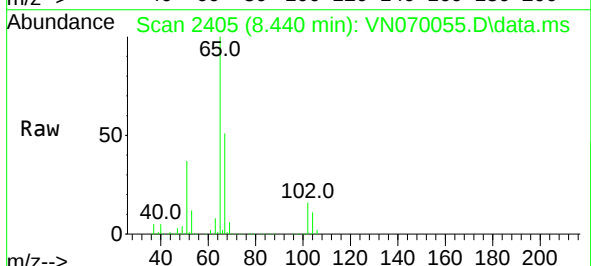


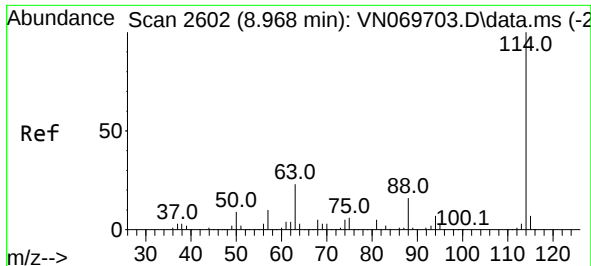
Tgt Ion: 56 Resp: 30480
Ion Ratio Lower Upper
56 100
69 145.8 27.1 40.7#
84 107.8 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 53.136 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

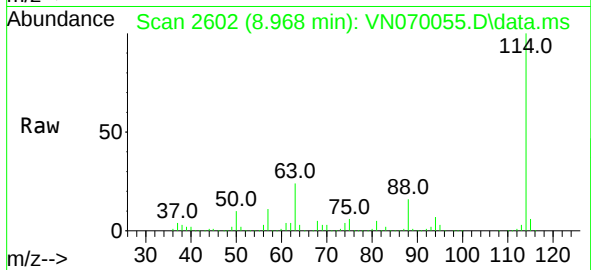
Tgt Ion: 65 Resp: 883381
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0



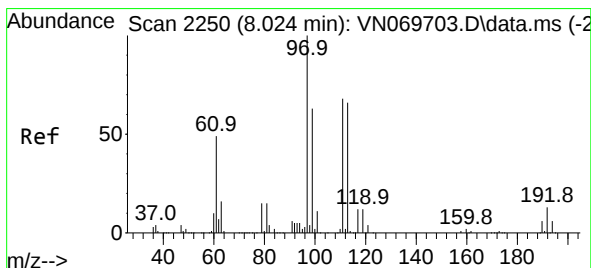
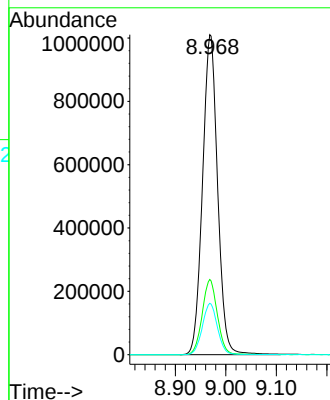
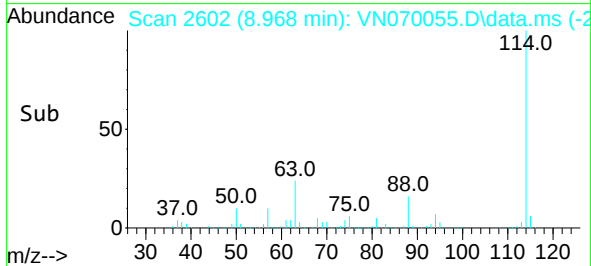


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Instrument :
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ClientSampleId :

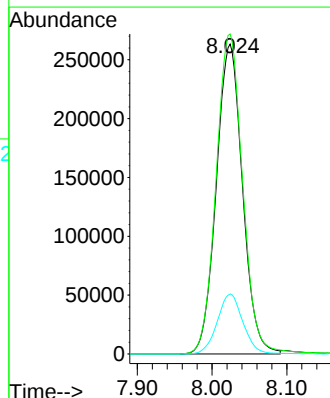
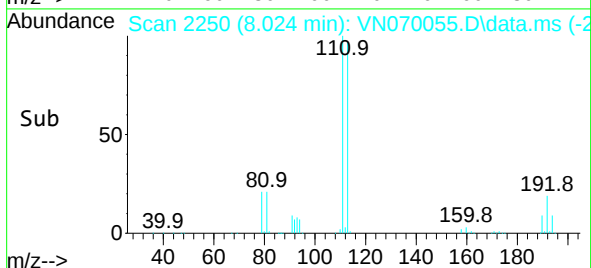
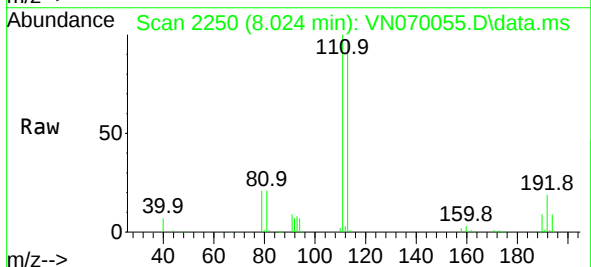


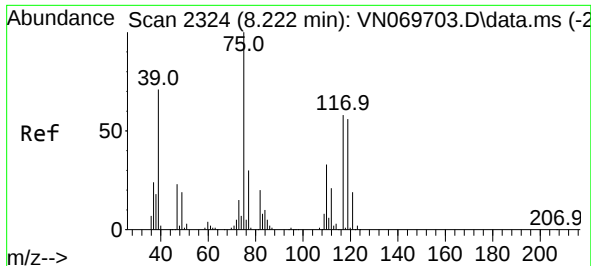
Tgt Ion:114 Resp: 2094322
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.842 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

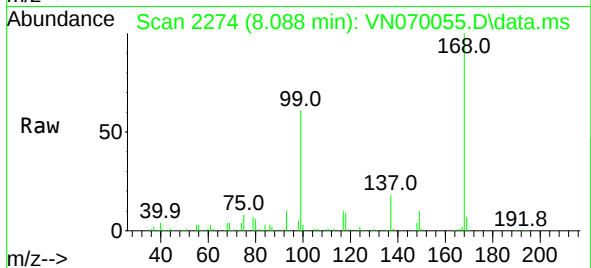
Tgt Ion:113 Resp: 640732
Ion Ratio Lower Upper
113 100
111 104.9 82.2 123.2
192 19.0 16.9 25.3



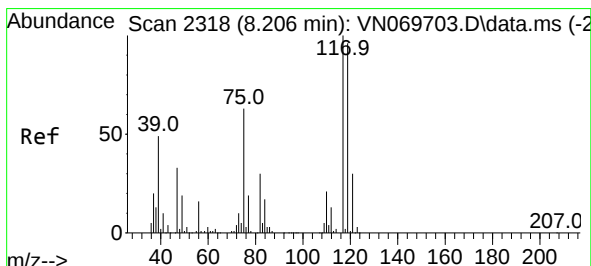
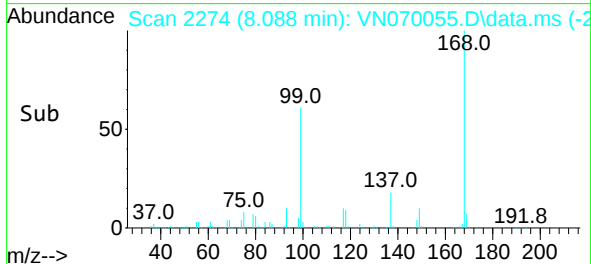
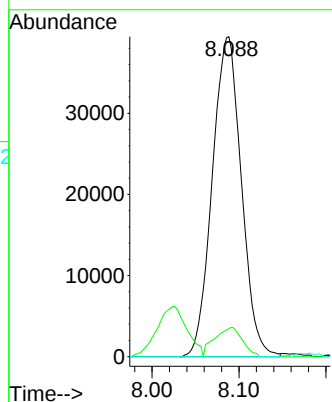


#36
1,1-Dichloropropene
Concen: 4.597 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Instrument :
MSVOA_N
ClientSampleId :

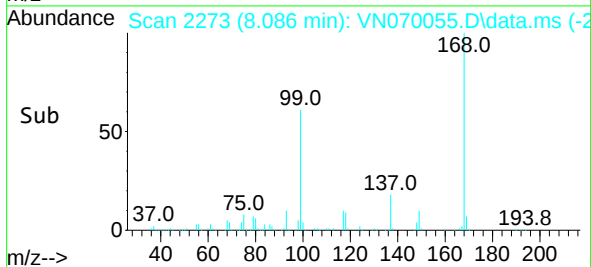
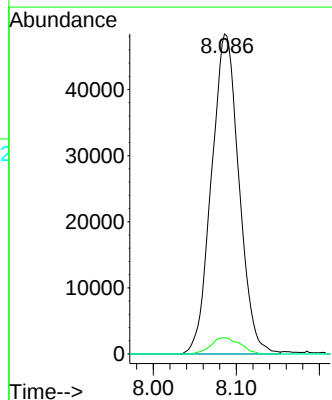
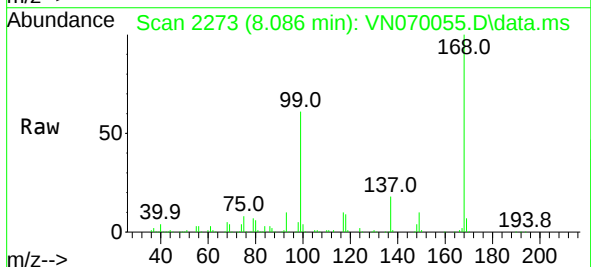


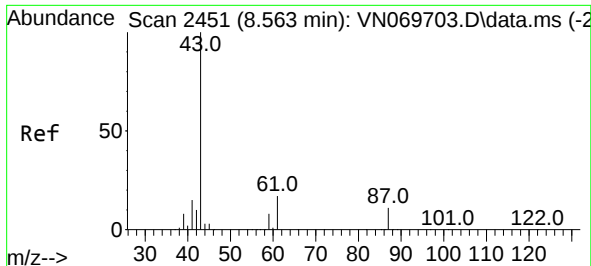
Tgt Ion: 75 Resp: 91658
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.699 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Tgt Ion: 117 Resp: 111424
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#

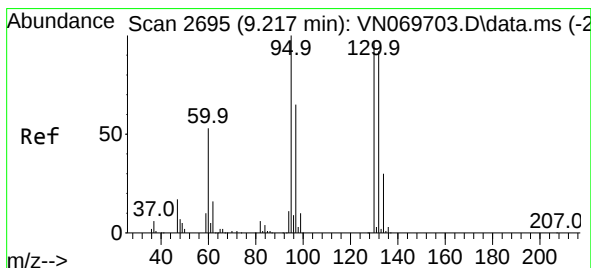
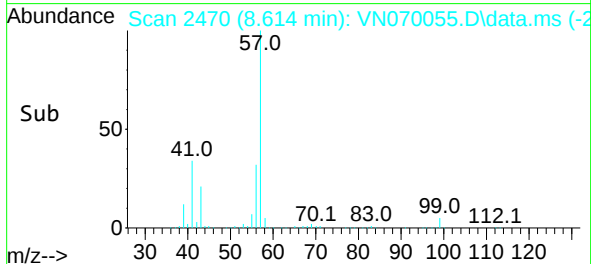
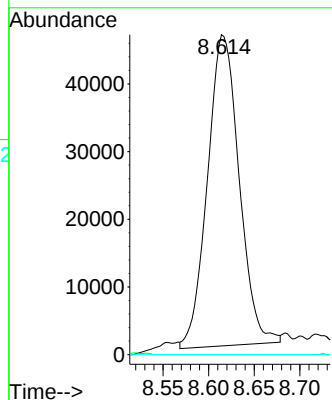
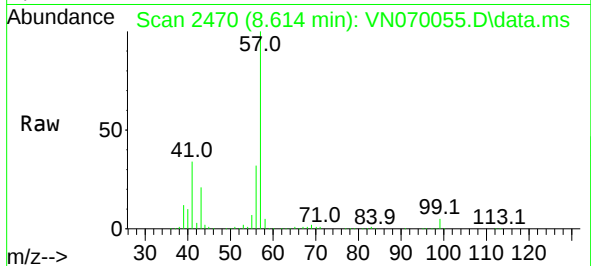




#43
Isopropyl Acetate
Concen: 2.532 ug/l
RT: 8.614 min Scan# 2451
Delta R.T. 0.051 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

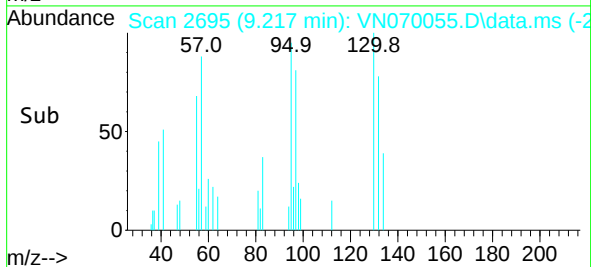
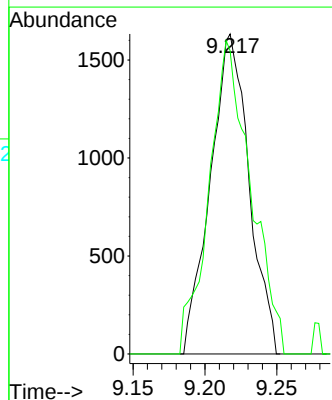
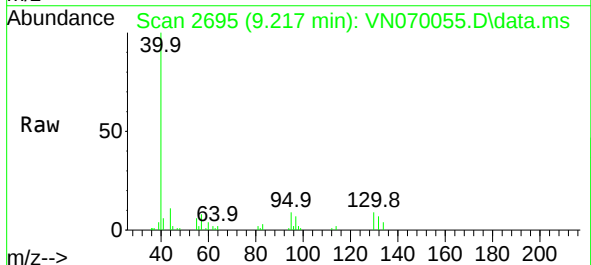
Instrument :
MSVOA_N
ClientSampleId :

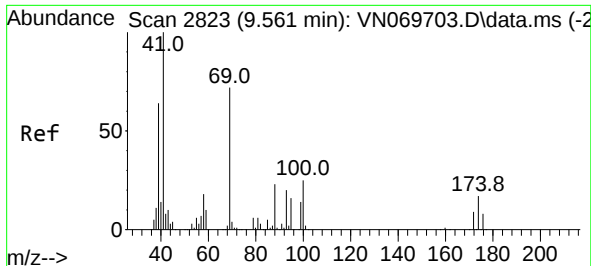
Tgt Ion: 43 Resp: 111205
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#44
Trichloroethene
Concen: 0.210 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Tgt Ion:130 Resp: 3051
Ion Ratio Lower Upper
130 100
95 94.7 0.0 191.2

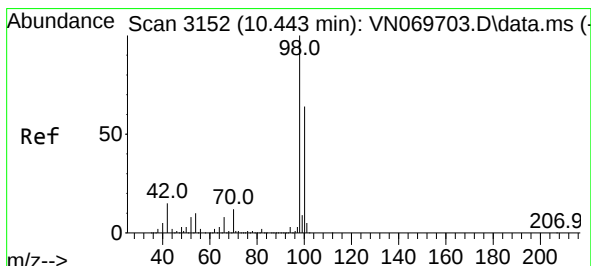
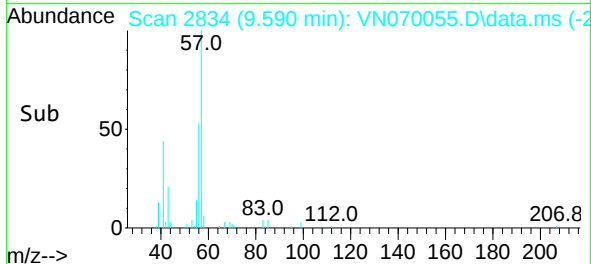
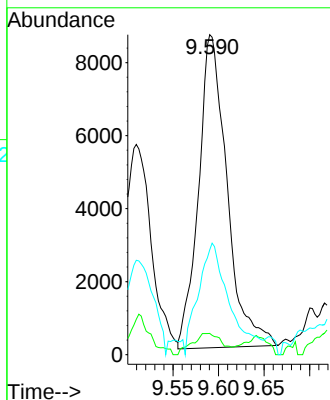
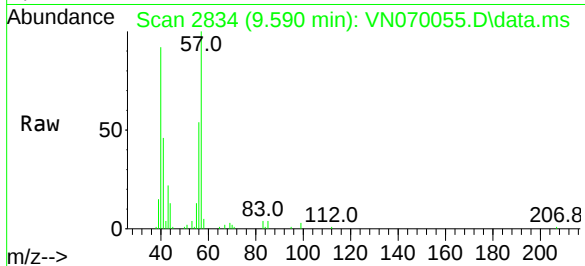




#48
Methyl methacrylate
Concen: 0.910 ug/l
RT: 9.590 min Scan# 21
Delta R.T. 0.029 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

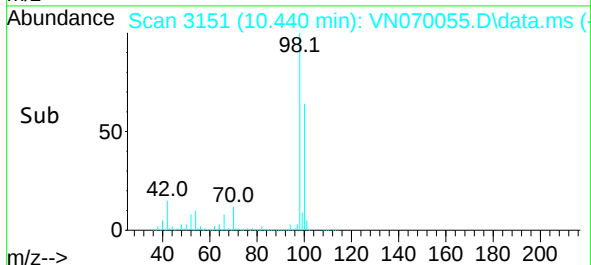
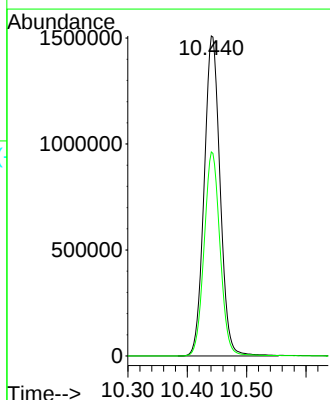
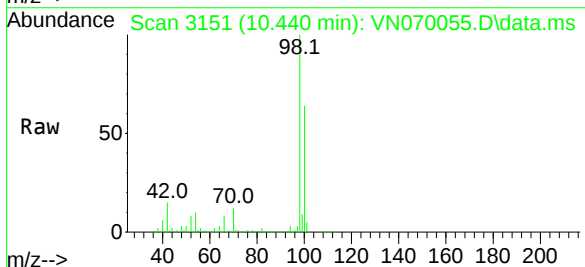
Instrument :
MSVOA_N
ClientSampleId :

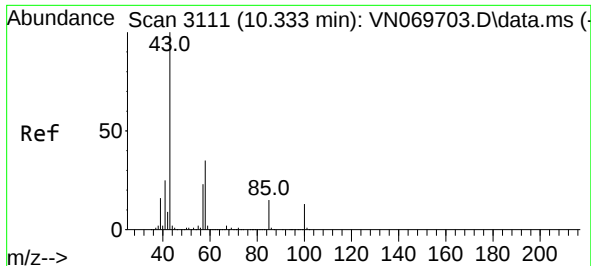
Tgt Ion: 41 Resp: 18646
Ion Ratio Lower Upper
41 100
69 7.1 72.4 108.6#
39 39.0 58.4 87.6#



#50
Toluene-d8
Concen: 53.344 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Tgt Ion: 98 Resp: 2809893
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6

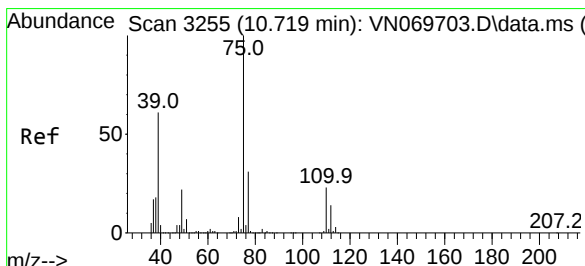
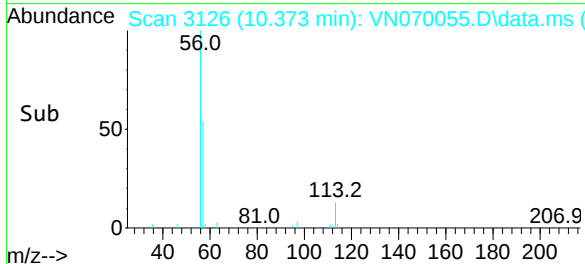
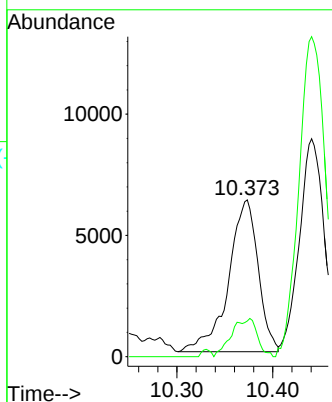
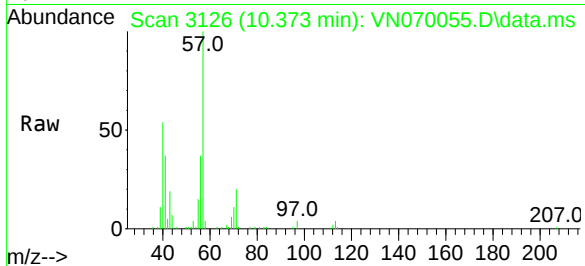




#51
4-Methyl-2-Pentanone
Concen: 0.474 ug/l
RT: 10.373 min Scan# 3111
Delta R.T. 0.040 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

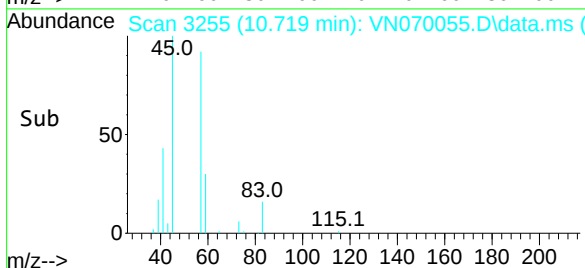
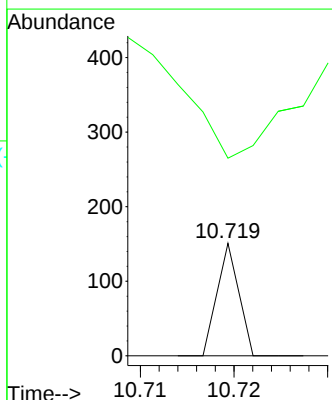
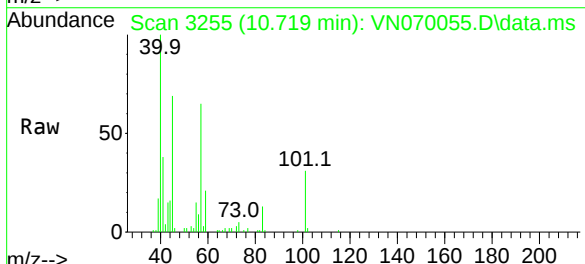
Instrument :
MSVOA_N
ClientSampleId :

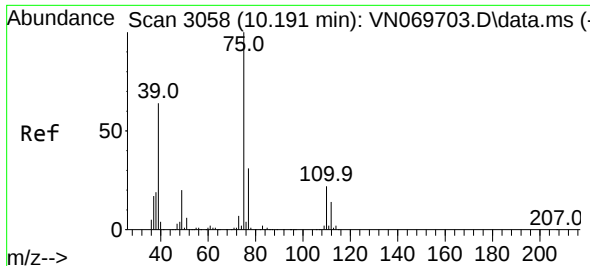
Tgt Ion: 43 Resp: 13500
Ion Ratio Lower Upper
43 100
58 10.6 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 2.795 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

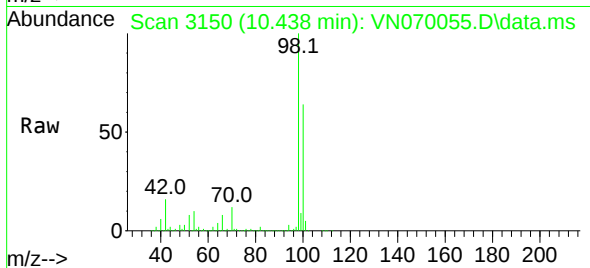
Tgt Ion: 75 Resp: 24
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



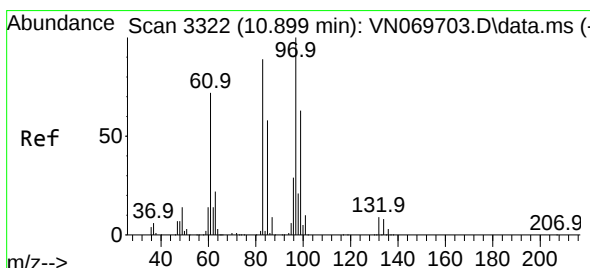
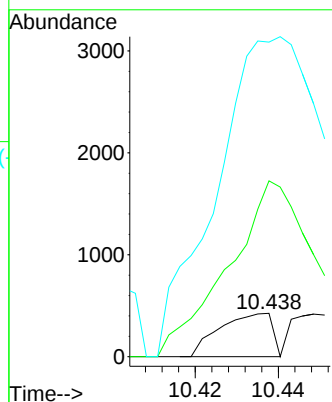
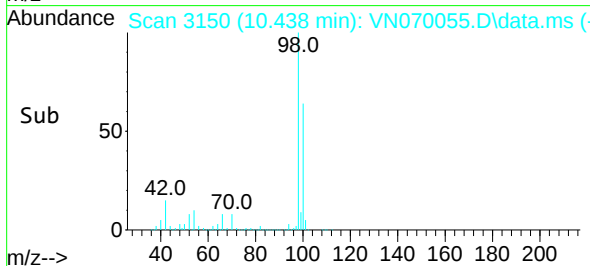


#54
 cis-1,3-Dichloropropene
 Concen: 2.013 ug/l
 RT: 10.438 min Scan# 3150
 Delta R.T. 0.247 min
 Lab File: VN070055.D
 Acq: 14 Dec 2021 2:15

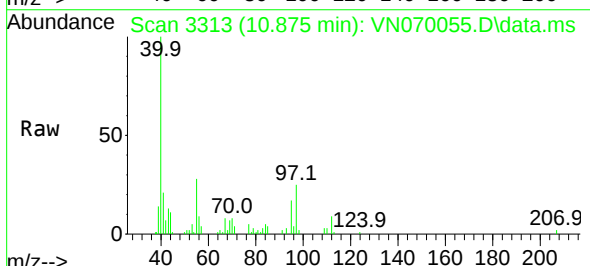
Instrument :
 MSVOA_N
 ClientSampleId :



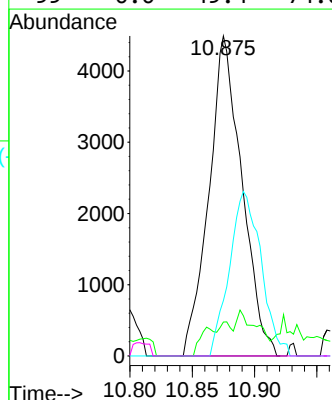
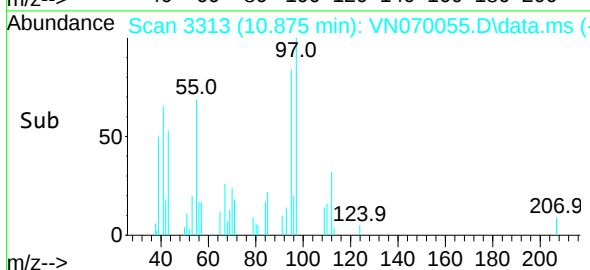
Tgt Ion: 75 Resp: 374
 Ion Ratio Lower Upper
 75 100
 77 337.4 26.4 39.6#
 39 517.9 42.5 63.7#

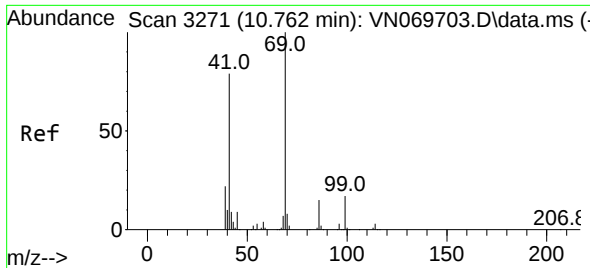


#55
 1,1,2-Trichloroethane
 Concen: 0.550 ug/l
 RT: 10.875 min Scan# 3313
 Delta R.T. -0.024 min
 Lab File: VN070055.D
 Acq: 14 Dec 2021 2:15



Tgt Ion: 97 Resp: 8260
 Ion Ratio Lower Upper
 97 100
 83 10.6 67.8 101.6#
 85 17.3 45.4 68.2#
 99 0.0 49.4 74.0#

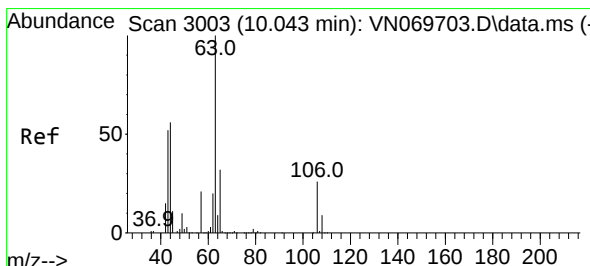
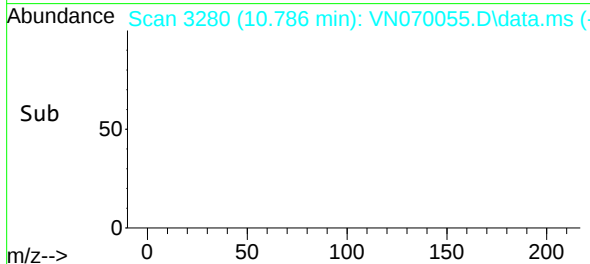
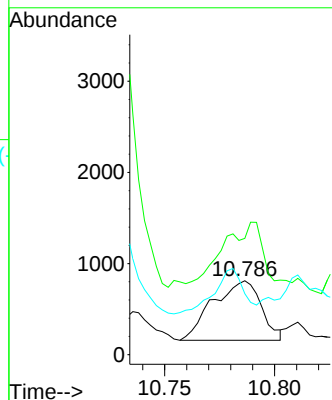
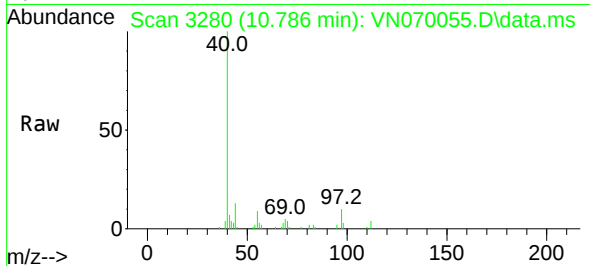




#56
Ethyl methacrylate
Concen: 2.313 ug/l
RT: 10.786 min Scan# 31
Delta R.T. 0.024 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

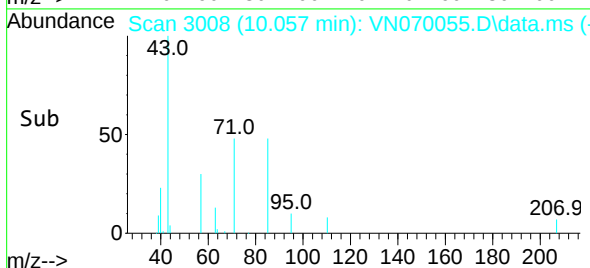
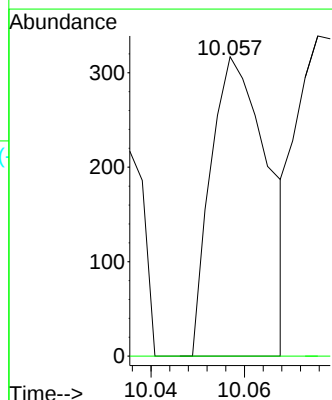
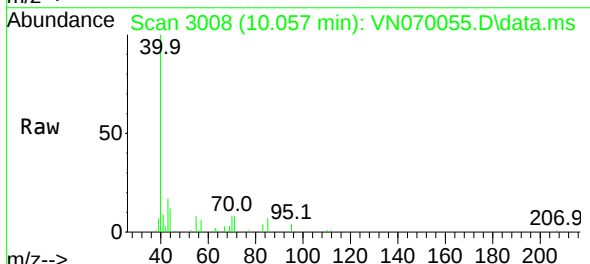
Instrument :
MSVOA_N
ClientSampleId :

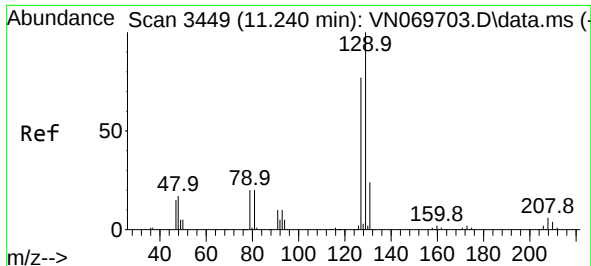
Tgt Ion: 69 Resp: 999
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 67.9 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.421 ug/l
RT: 10.057 min Scan# 3008
Delta R.T. 0.014 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Tgt Ion: 63 Resp: 268
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

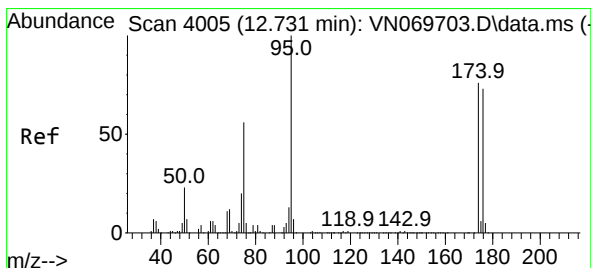
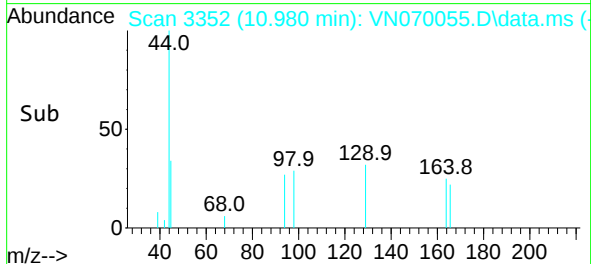
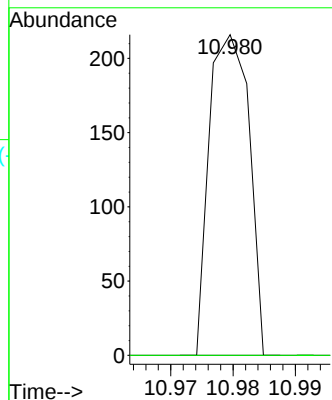
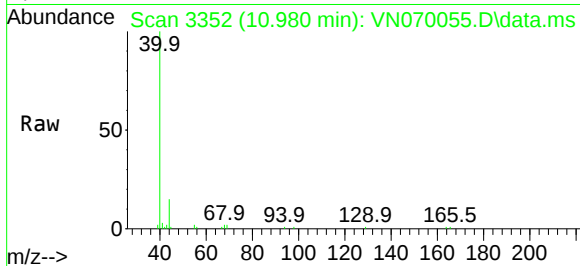




#60
Dibromochloromethane
Concen: 2.382 ug/l
RT: 10.980 min Scan# 31
Delta R.T. -0.260 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

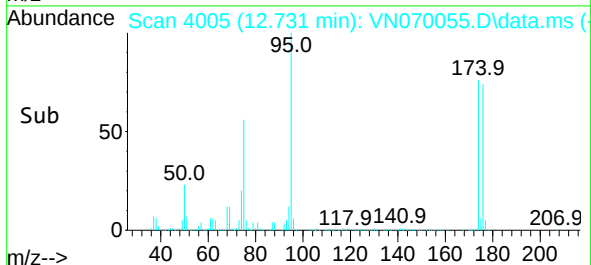
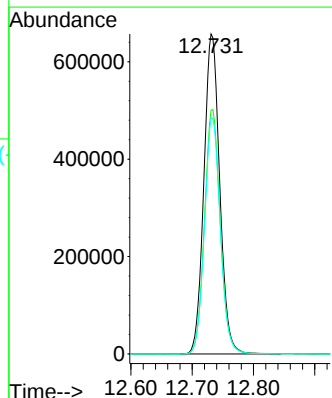
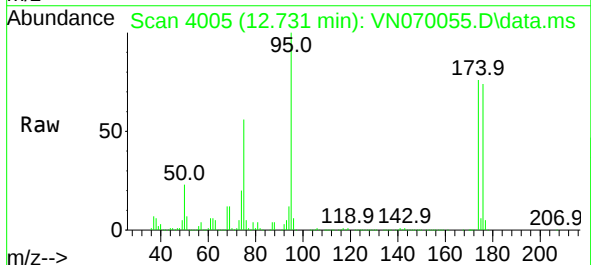
Instrument :
MSVOA_N
ClientSampleId :

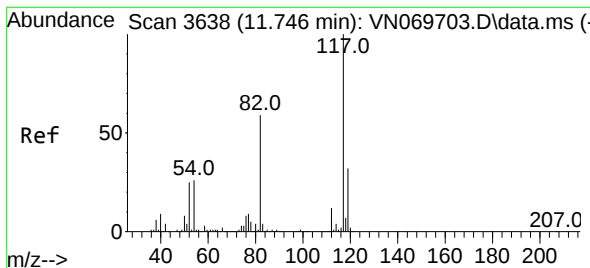
Tgt Ion:129 Resp: 96
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 61.783 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Tgt Ion: 95 Resp: 1179004
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.7 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. -0.002 min

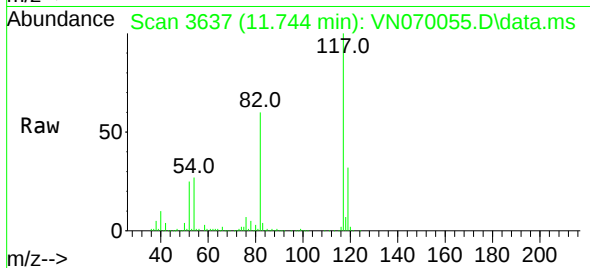
Lab File: VN070055.D

Acq: 14 Dec 2021 2:15

Instrument :

MSVOA_N

ClientSampleId :



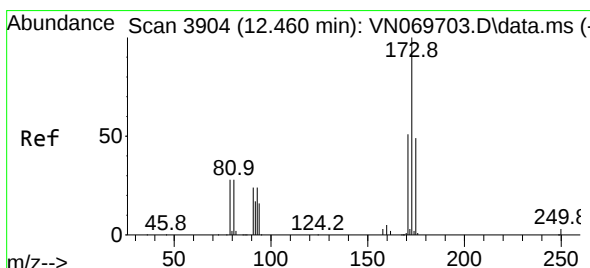
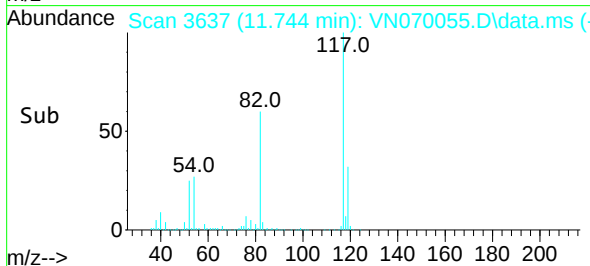
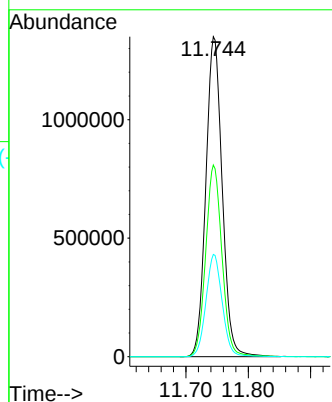
Tgt Ion:117 Resp: 2456544

Ion Ratio Lower Upper

117 100

82 59.9 42.4 63.6

119 32.0 25.4 38.2



#71

Bromoform

Concen: 2.775 ug/l

RT: 12.744 min Scan# 4010

Delta R.T. 0.284 min

Lab File: VN070055.D

Acq: 14 Dec 2021 2:15

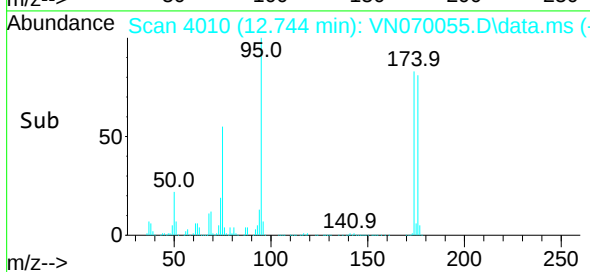
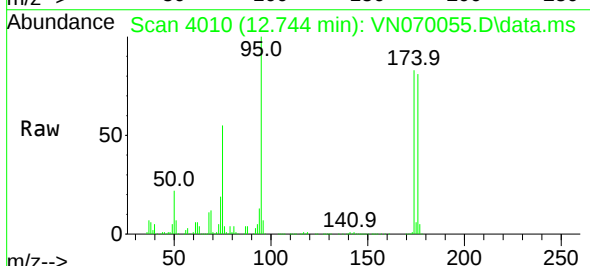
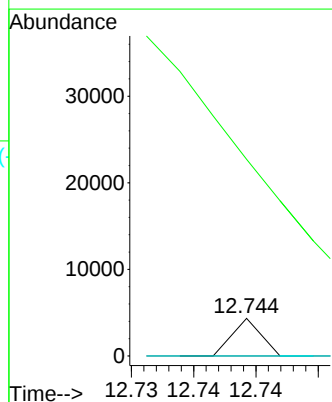
Tgt Ion:173 Resp: 699

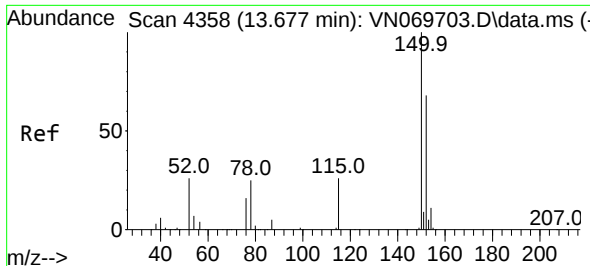
Ion Ratio Lower Upper

173 100

175 9037.9 24.2 72.6#

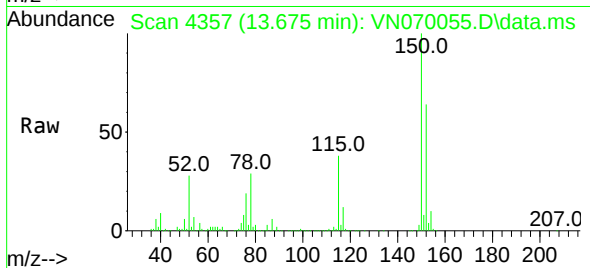
254 0.0 0.0 0.0



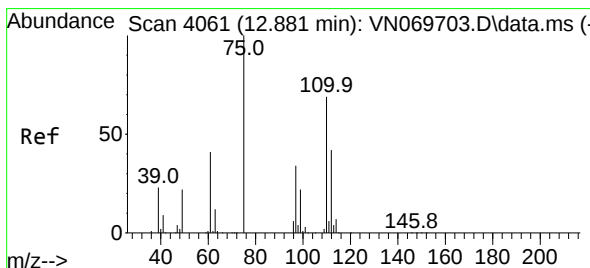
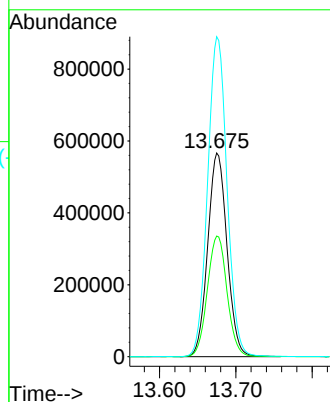
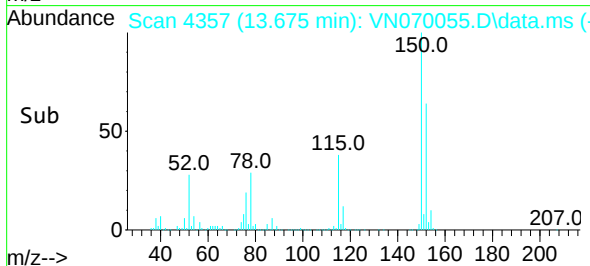


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.003 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Instrument :
MSVOA_N
ClientSampleId :

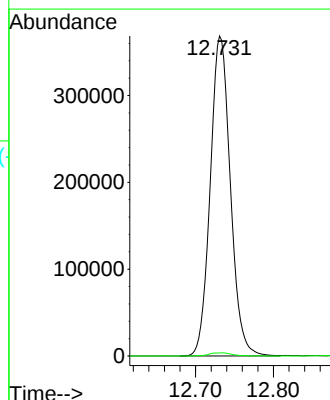
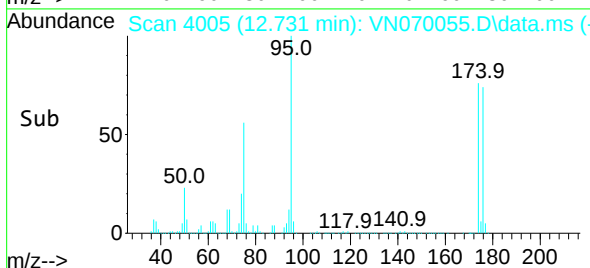
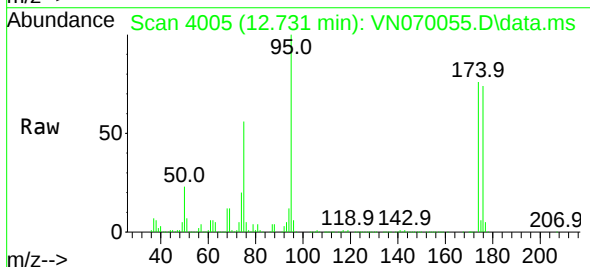


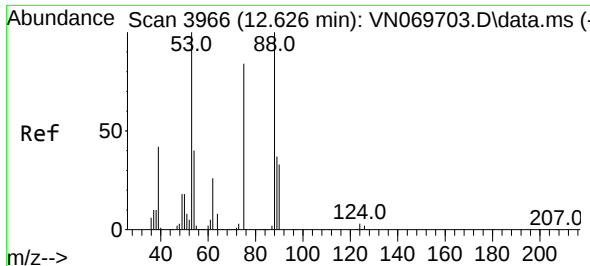
Tgt Ion:152 Resp: 995566
Ion Ratio Lower Upper
152 100
115 60.3 27.5 82.5
150 157.9 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.168 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

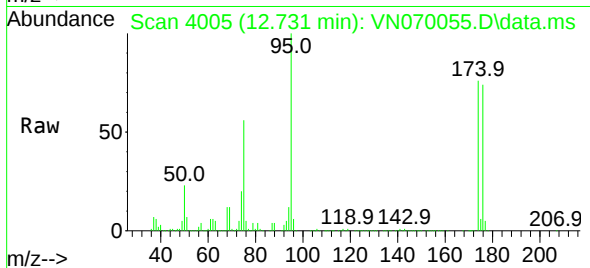
Tgt Ion: 75 Resp: 661469
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



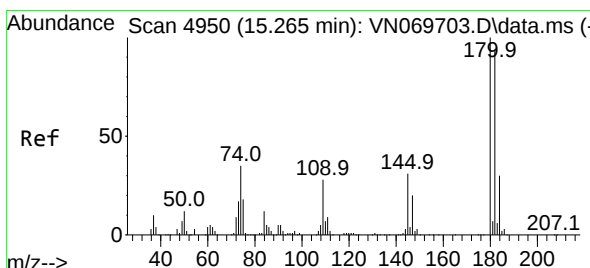
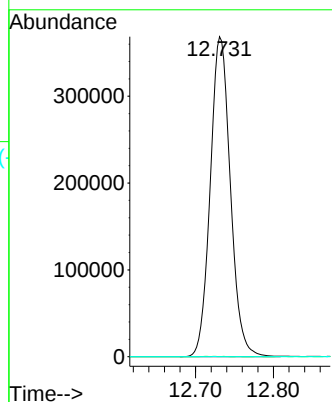
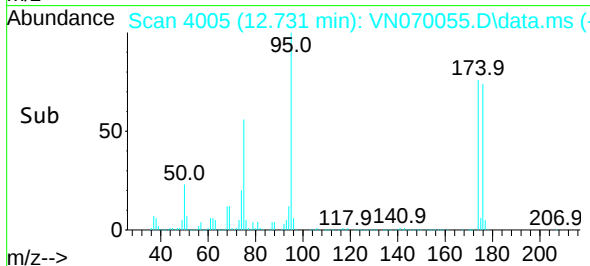


#81
trans-1,4-Dichloro-2-butene
Concen: 73.729 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Instrument :
MSVOA_N
ClientSampleId :

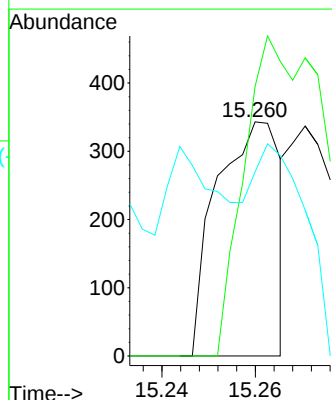
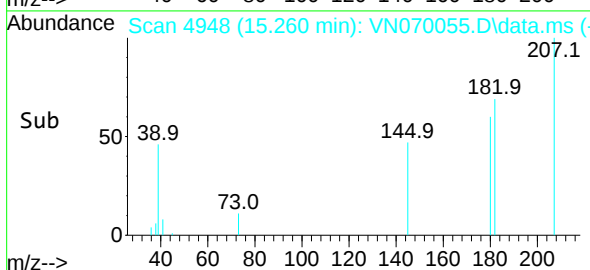
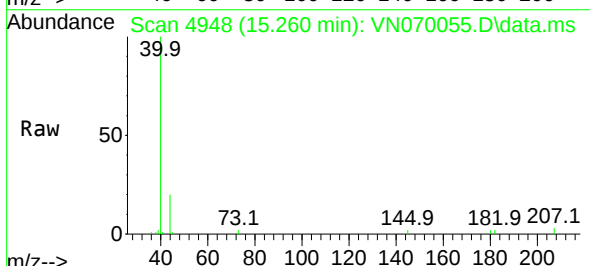


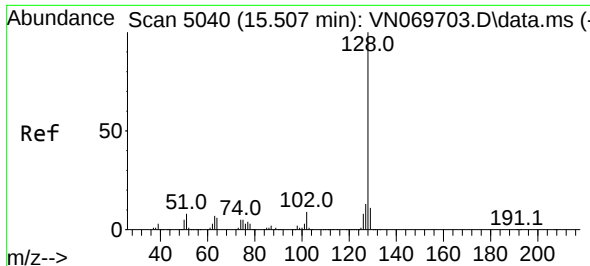
Tgt Ion: 75 Resp: 661469
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.897 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

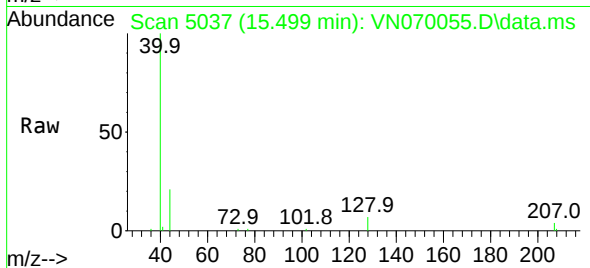
Tgt Ion: 180 Resp: 324
Ion Ratio Lower Upper
180 100
182 197.2 48.3 144.9#
145 75.0 14.5 43.5#



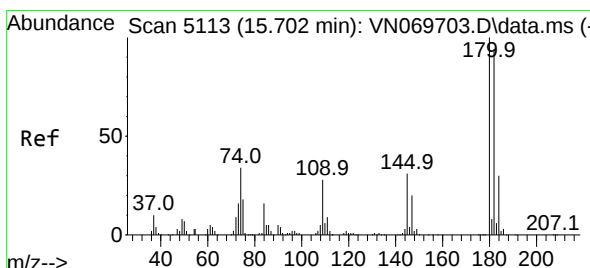
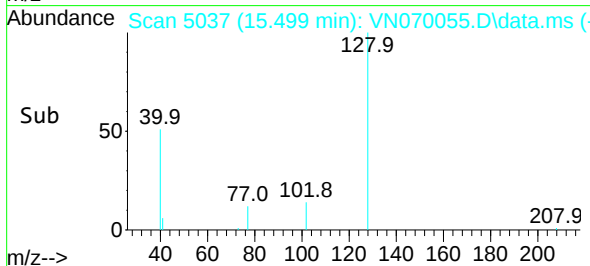
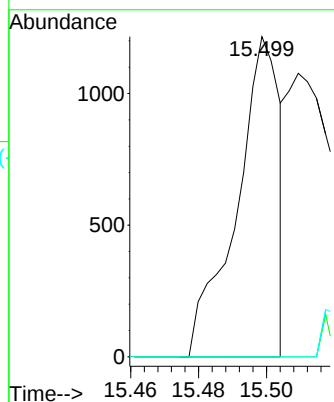


#95
Naphthalene
Concen: 4.005 ug/l
RT: 15.499 min Scan# 5108
Delta R.T. -0.008 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1074
Ion Ratio Lower Upper
128 100
127 2.4 10.5 15.7#
129 5.2 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.448 ug/l
RT: 15.692 min Scan# 5109
Delta R.T. -0.010 min
Lab File: VN070055.D
Acq: 14 Dec 2021 2:15

Tgt Ion:180 Resp: 208
Ion Ratio Lower Upper
180 100
182 308.2 47.4 142.2#
145 70.2 15.0 45.1#

