

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070050.D
 Acq On : 14 Dec 2021 00:08
 Operator : JC/MD
 Sample : M5007-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 07:29:54 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)

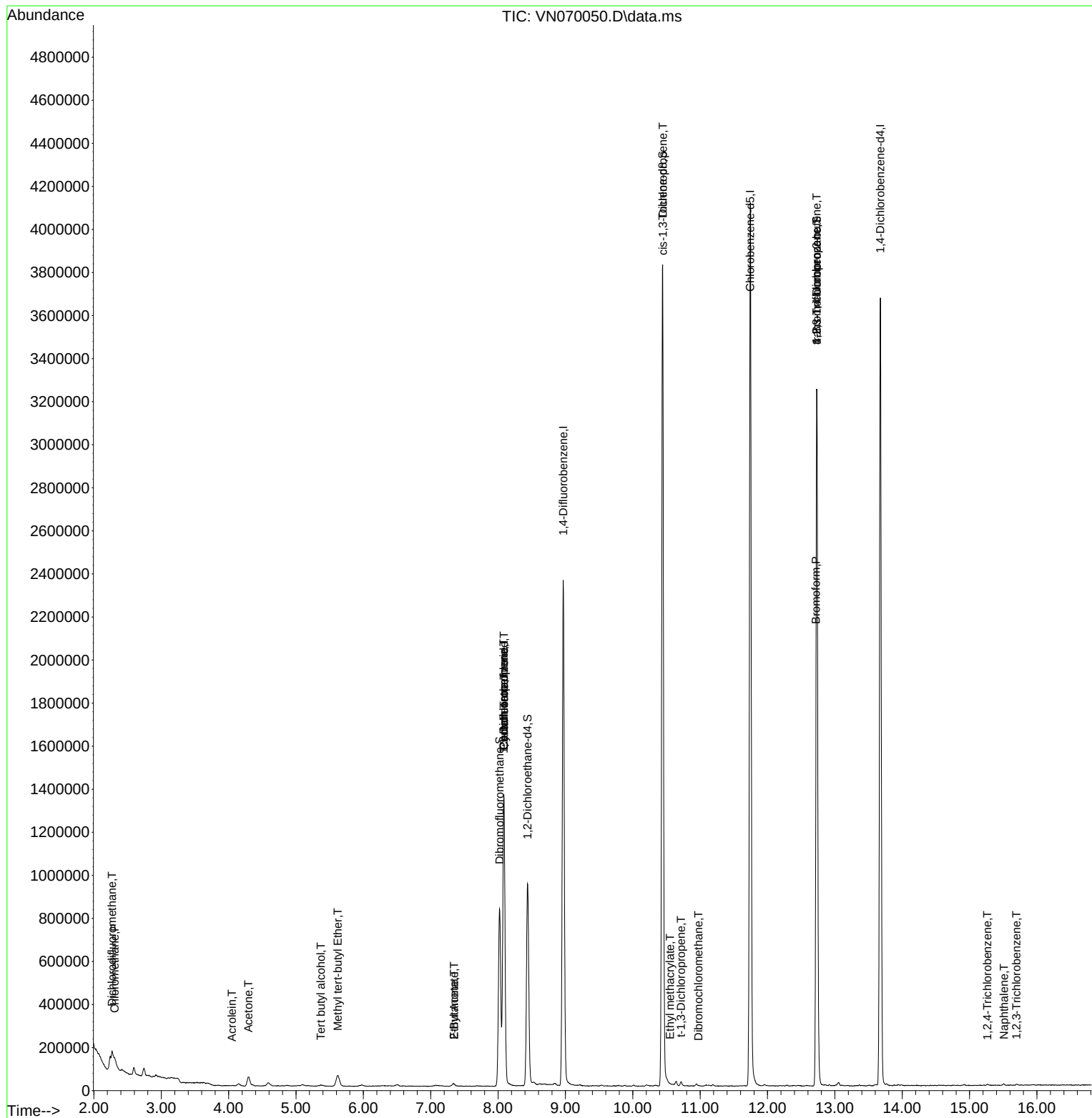
Internal Standards						
1) Pentafluorobenzene	8.086	168	1007466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1940406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2293933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	969403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	829325	53.315	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.620%	
35) Dibromofluoromethane	8.021	113	606568	49.906	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.820%	
50) Toluene-d8	10.443	98	2586102	52.990	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.980%	
62) 4-Bromofluorobenzene	12.731	95	1137152	64.317	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 128.640%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.269	85	5547	0.472	ug/l	98
3) Chloromethane	2.306	50	4564	0.310	ug/l #	76
11) Tert butyl alcohol	5.369	59	2573	0.875	ug/l	99
13) Acrolein	4.047	56	2174	0.868	ug/l #	19
16) Acetone	4.293	43	79031	8.446	ug/l	93
19) Methyl tert-butyl Ether	5.621	73	72115	1.933	ug/l	99
25) 2-Butanone	7.348	43	16378	1.288	ug/l	97
31) Cyclohexane	8.086	56	26636	1.230	ug/l #	27
36) 1,1-Dichloropropene	8.083	75	86749	4.696	ug/l #	49
37) Ethyl Acetate	7.348	43	16378	0.596	ug/l #	68
38) Carbon Tetrachloride	8.086	117	103630	5.721	ug/l #	16
53) t-1,3-Dichloropropene	10.714	75	316	2.807	ug/l #	43
54) cis-1,3-Dichloropropene	10.446	75	381	2.014	ug/l #	1
56) Ethyl methacrylate	10.553	69	94	2.283	ug/l #	1
60) Dibromochloromethane	10.974	129	293	2.395	ug/l #	11
71) Bromoform	12.720	173	1252	2.815	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	635778	22.870	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	635778	72.831	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.265	180	1726	2.980	ug/l	84
95) Naphthalene	15.509	128	6681	4.115	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.697	180	1790	2.545	ug/l	91

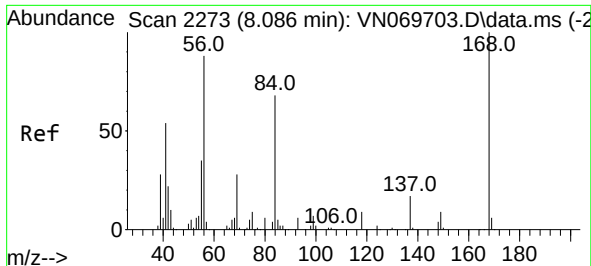
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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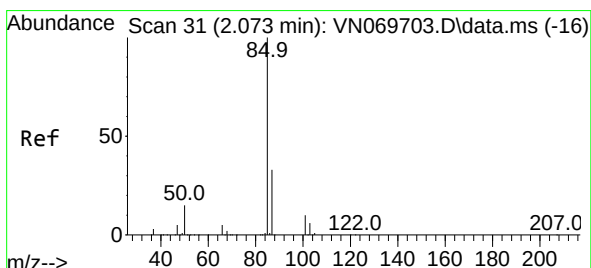
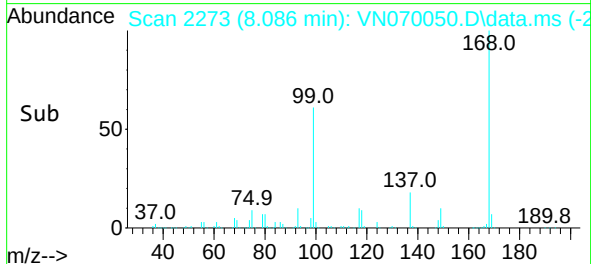
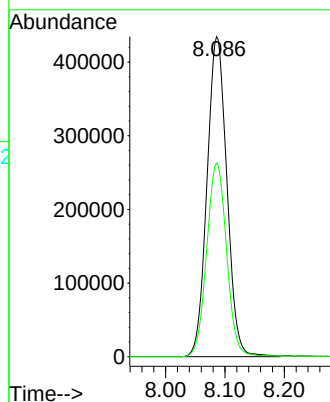
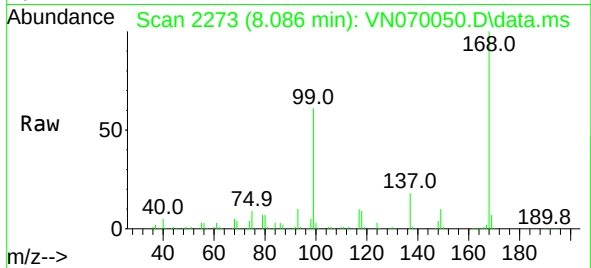




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

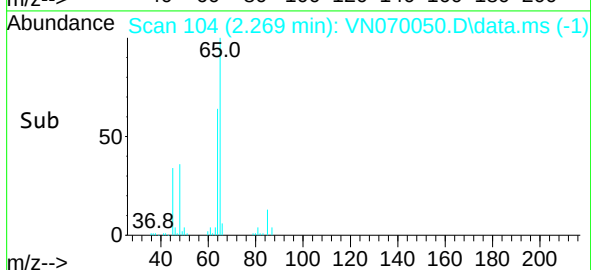
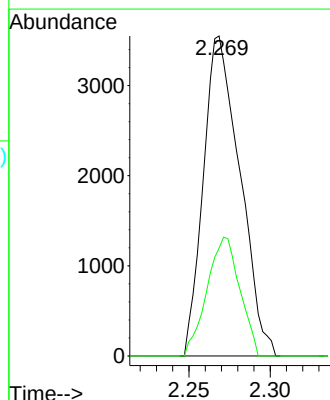
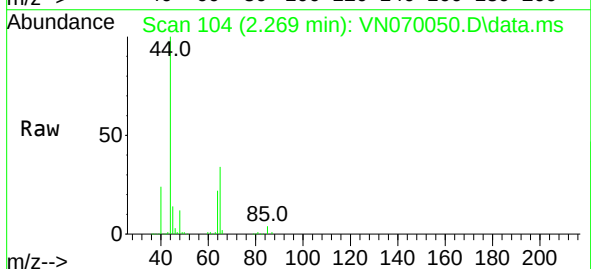
Instrument :
MSVOA_N
ClientSampleId :

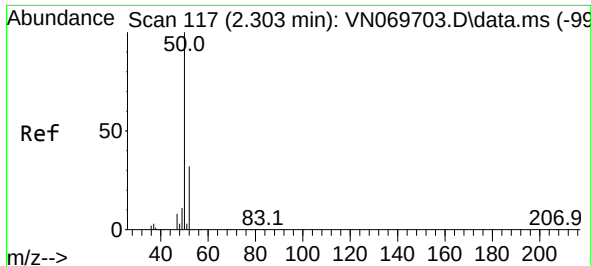
Tgt Ion:168 Resp: 1007466
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.472 ug/l
RT: 2.269 min Scan# 104
Delta R.T. 0.196 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

Tgt Ion: 85 Resp: 5547
Ion Ratio Lower Upper
85 100
87 33.7 16.3 48.9

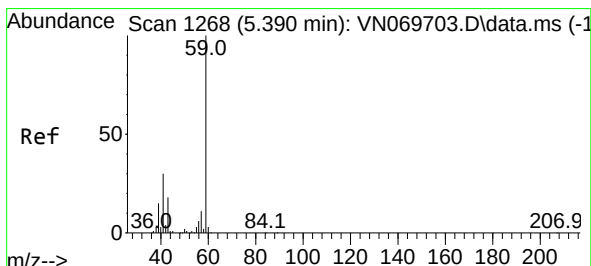
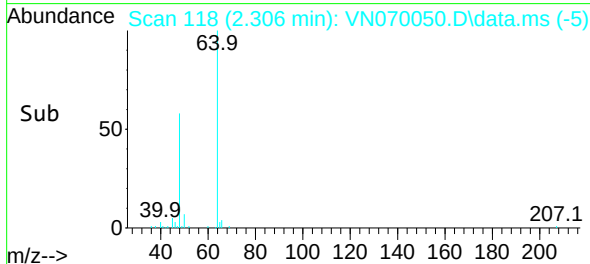
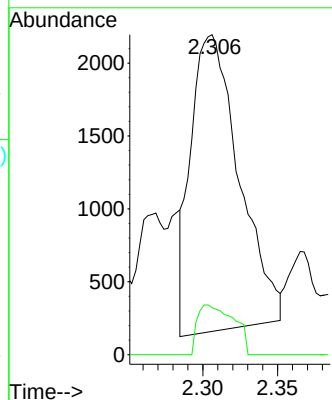
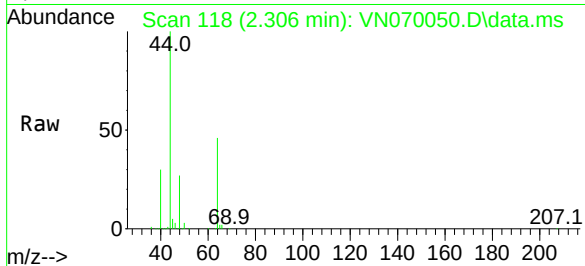




#3
Chloromethane
Concen: 0.310 ug/l
RT: 2.306 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

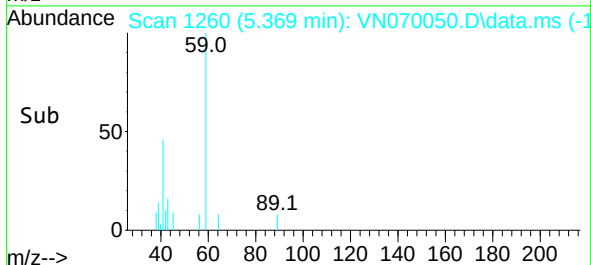
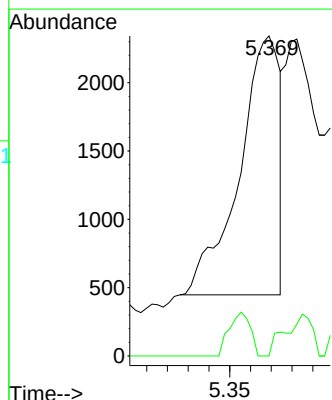
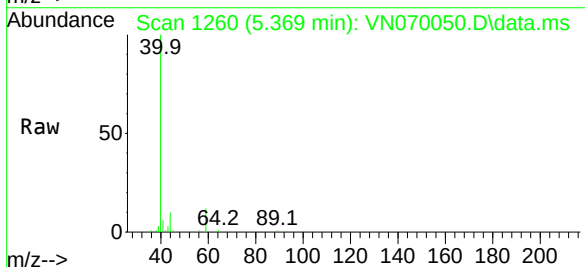
Instrument :
MSVOA_N
ClientSampleId :

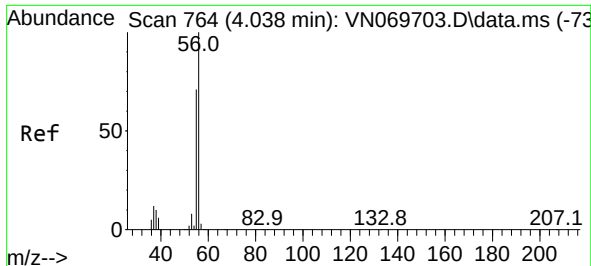
Tgt Ion: 50 Resp: 4564
Ion Ratio Lower Upper
50 100
52 18.1 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.875 ug/l
RT: 5.369 min Scan# 1260
Delta R.T. -0.021 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

Tgt Ion: 59 Resp: 2573
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1

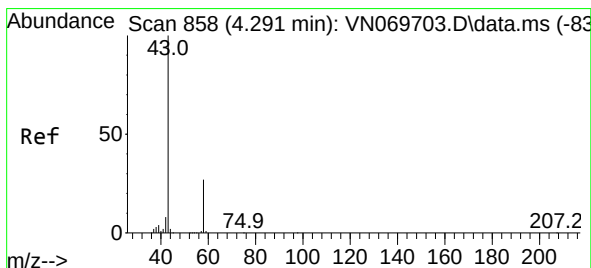
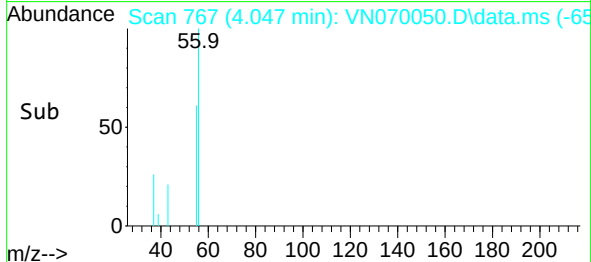
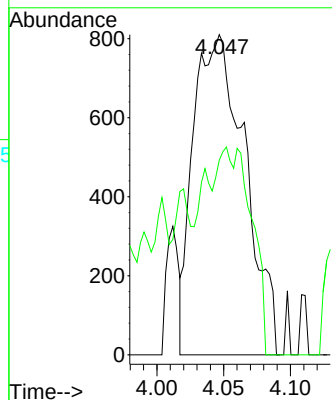
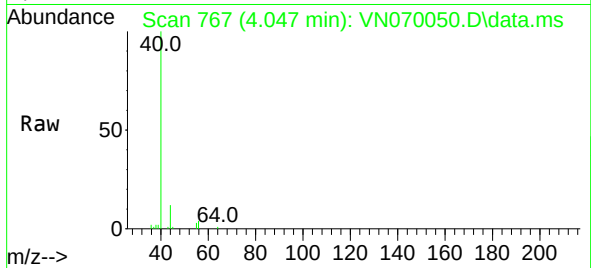




#13
Acrolein
Concen: 0.868 ug/l
RT: 4.047 min Scan# 764
Delta R.T. 0.008 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

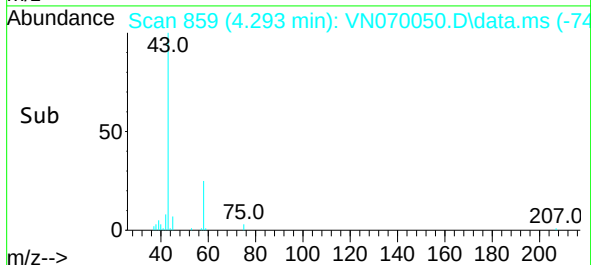
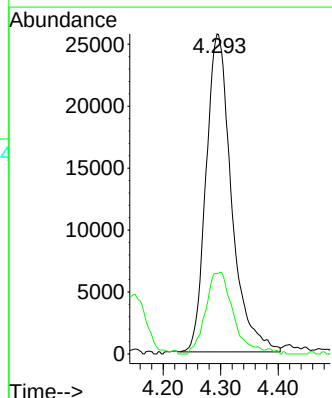
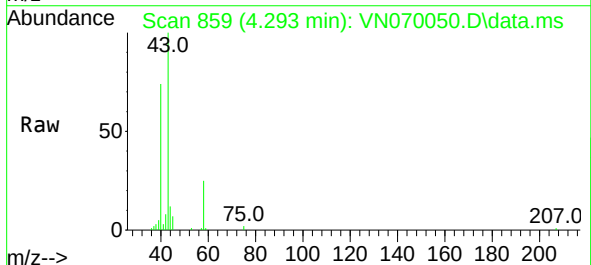
Instrument :
MSVOA_N
ClientSampleId :

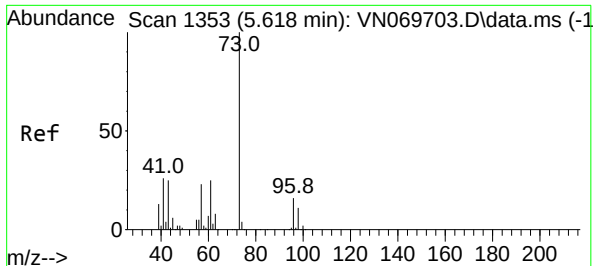
Tgt Ion: 56 Resp: 2174
Ion Ratio Lower Upper
56 100
55 3.7 56.6 85.0#



#16
Acetone
Concen: 8.446 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

Tgt Ion: 43 Resp: 79031
Ion Ratio Lower Upper
43 100
58 25.3 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 1.933 ug/l

RT: 5.621 min Scan# 11

Delta R.T. 0.003 min

Lab File: VN070050.D

Acq: 14 Dec 2021 00:08

Instrument :

MSVOA_N

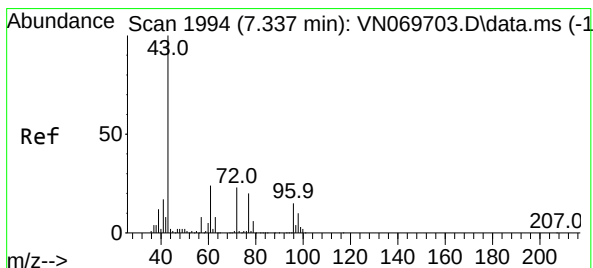
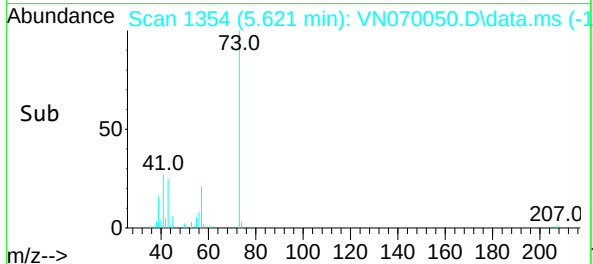
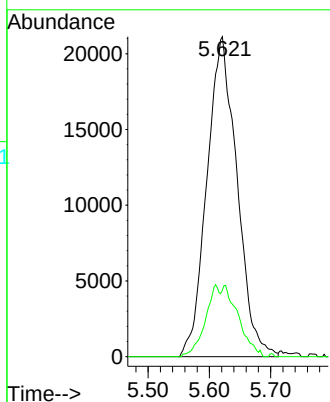
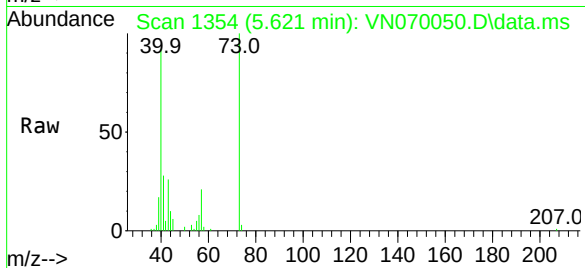
ClientSampleId :

Tgt Ion: 73 Resp: 72115

Ion Ratio Lower Upper

73 100

57 20.7 16.8 25.2



#25

2-Butanone

Concen: 1.288 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.011 min

Lab File: VN070050.D

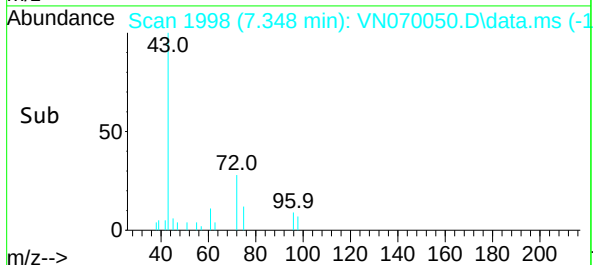
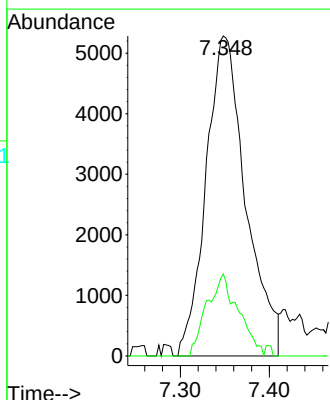
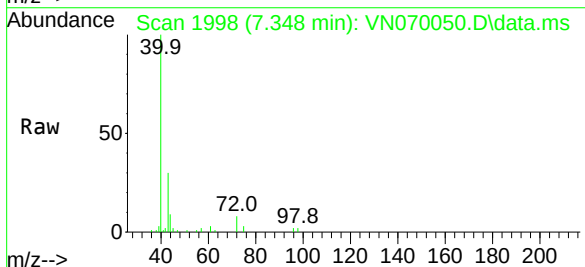
Acq: 14 Dec 2021 00:08

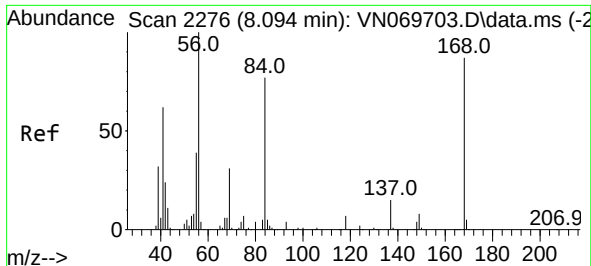
Tgt Ion: 43 Resp: 16378

Ion Ratio Lower Upper

43 100

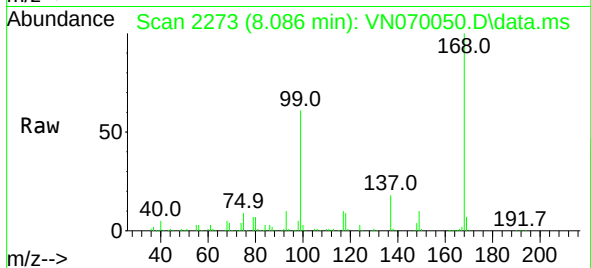
72 25.6 21.7 32.5



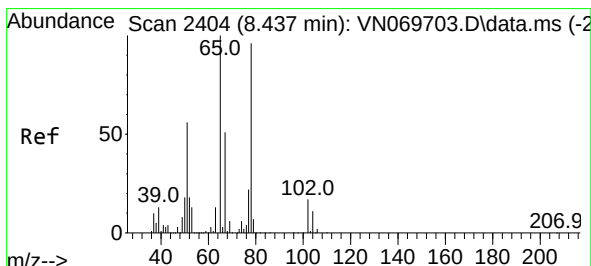
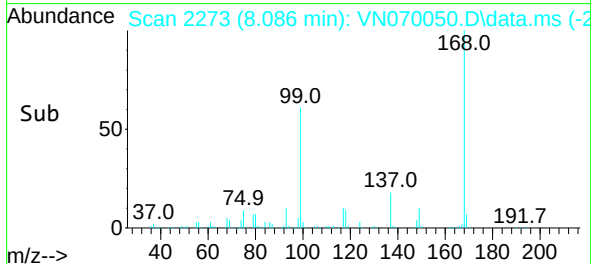
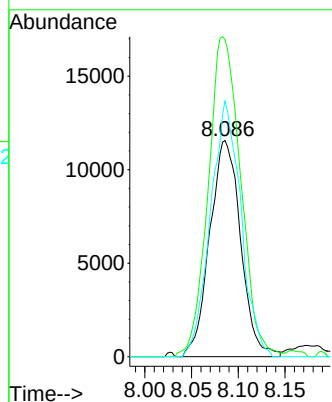


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

Instrument :
MSVOA_N
ClientSampleId :

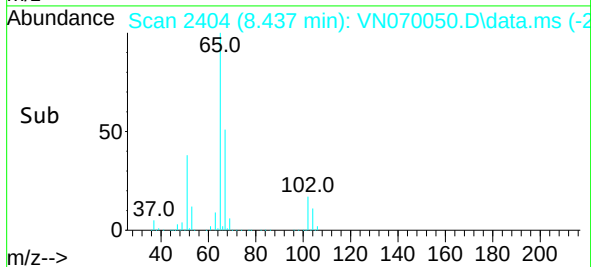
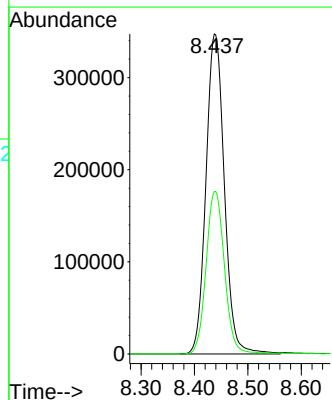
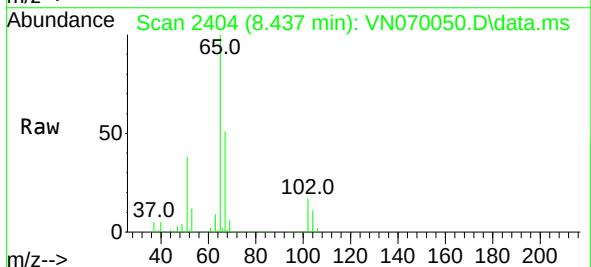


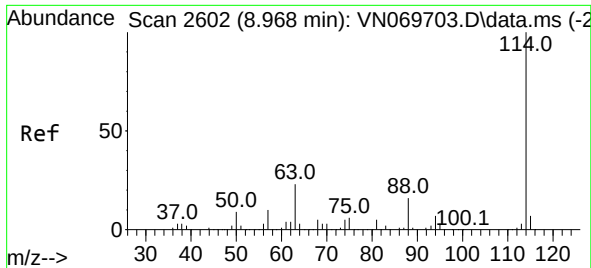
Tgt Ion: 56 Resp: 26636
Ion Ratio Lower Upper
56 100
69 145.0 27.1 40.7#
84 118.2 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 53.315 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

Tgt Ion: 65 Resp: 829325
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0

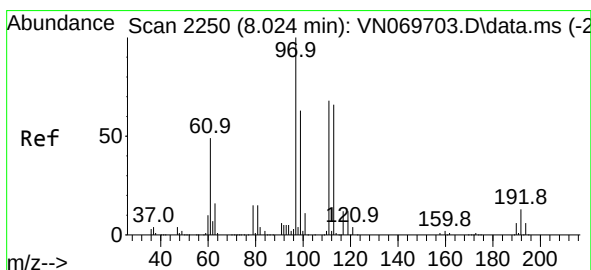
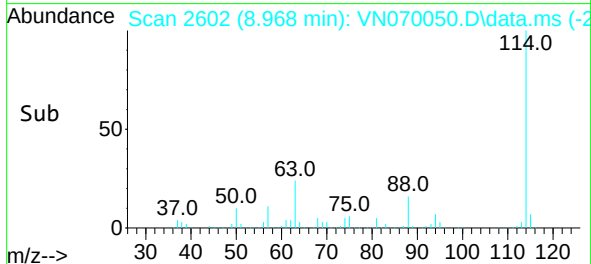
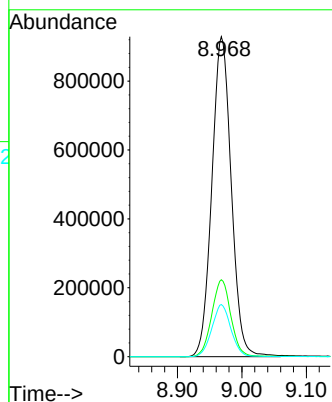
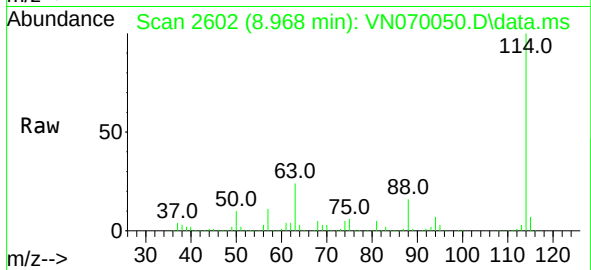




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

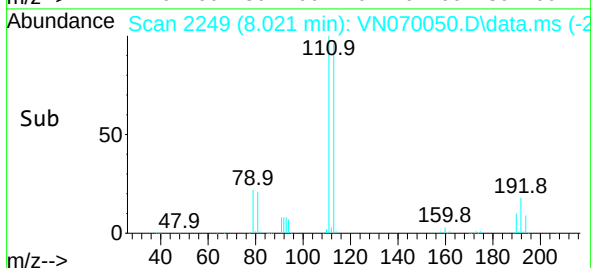
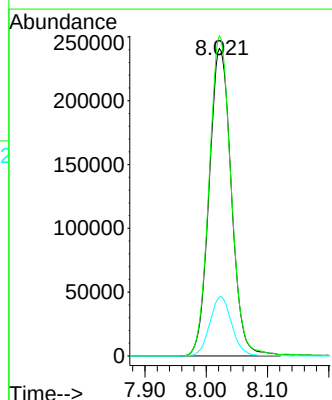
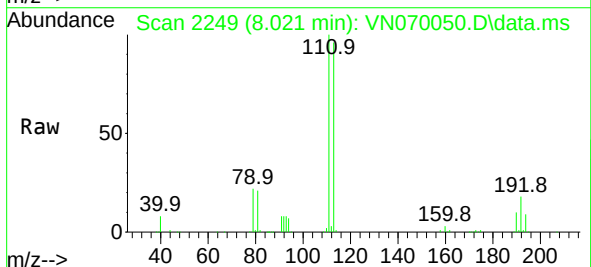
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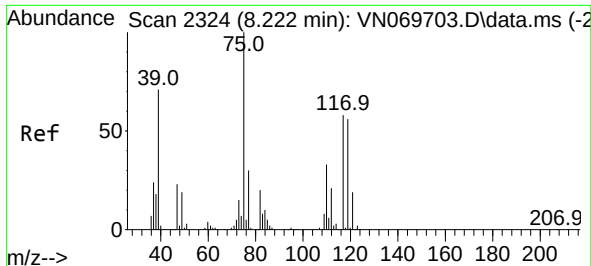
Tgt Ion:114 Resp: 1940406
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.906 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.002 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

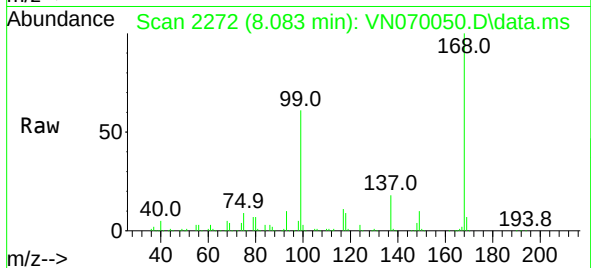
Tgt Ion:113 Resp: 606568
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 19.1 16.9 25.3



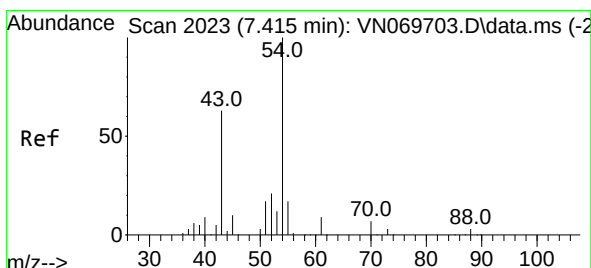
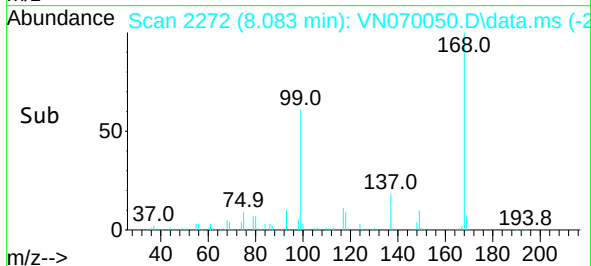
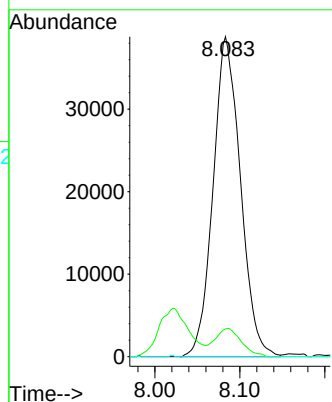


#36
 1,1-Dichloropropene
 Concen: 4.696 ug/l
 RT: 8.083 min Scan# 21
 Delta R.T. -0.139 min
 Lab File: VN070050.D
 Acq: 14 Dec 2021 00:08

Instrument :
 MSVOA_N
 ClientSampleId :

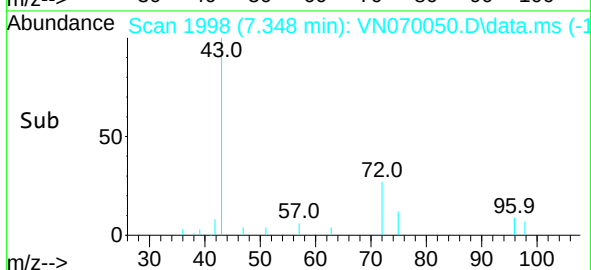
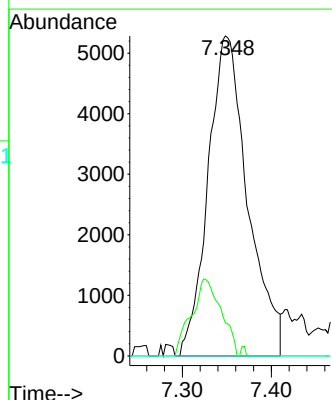
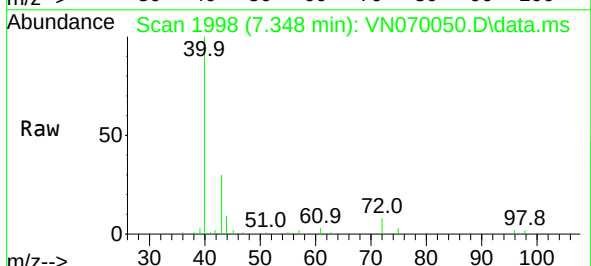


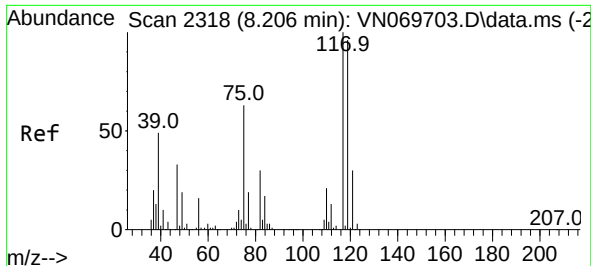
Tgt Ion: 75 Resp: 86749
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.4 55.2#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 0.596 ug/l
 RT: 7.348 min Scan# 1998
 Delta R.T. -0.067 min
 Lab File: VN070050.D
 Acq: 14 Dec 2021 00:08

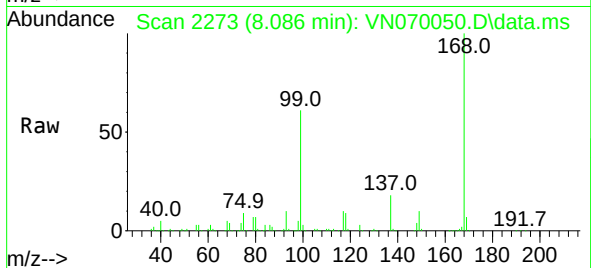
Tgt Ion: 43 Resp: 16378
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 7.9 11.9#



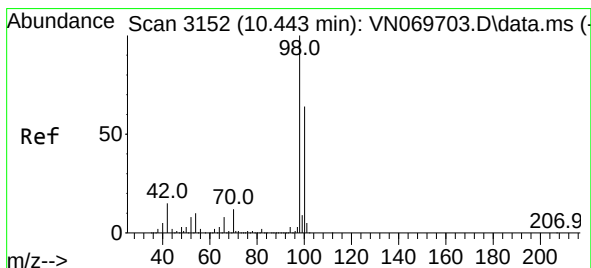
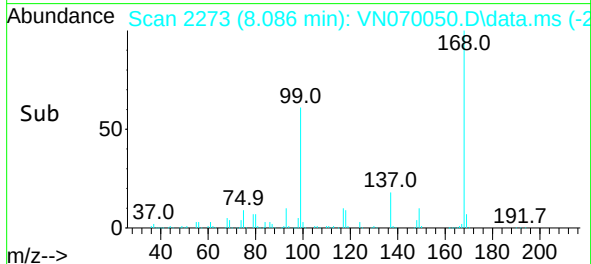
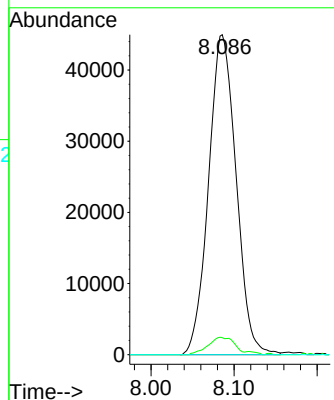


#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.120 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

Instrument :
MSVOA_N
ClientSampleId :

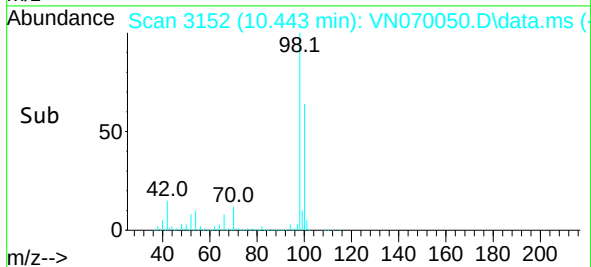
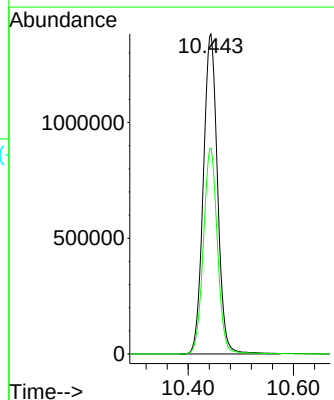
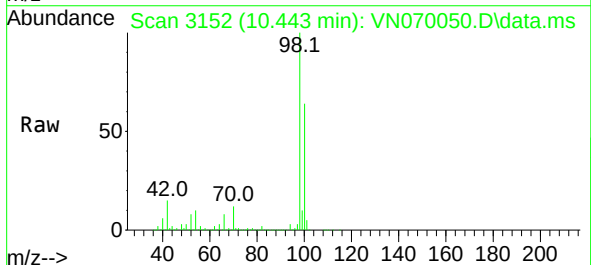


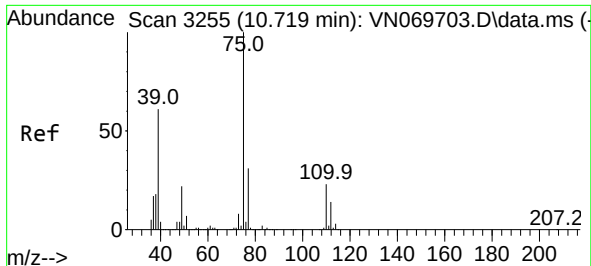
Tgt Ion:117 Resp: 103630
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.990 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

Tgt Ion: 98 Resp: 2586102
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6

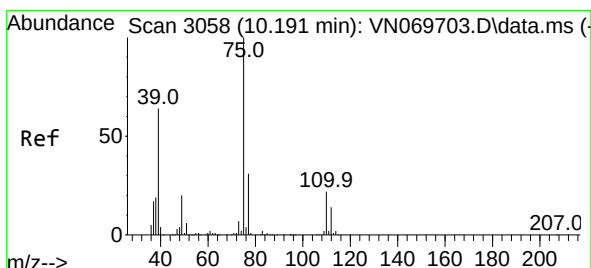
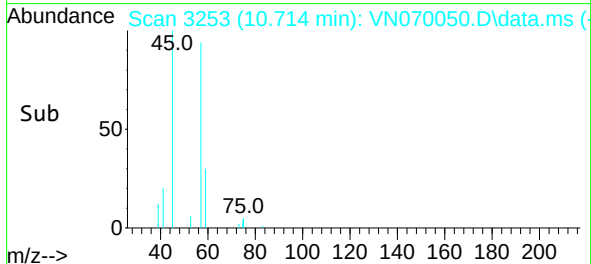
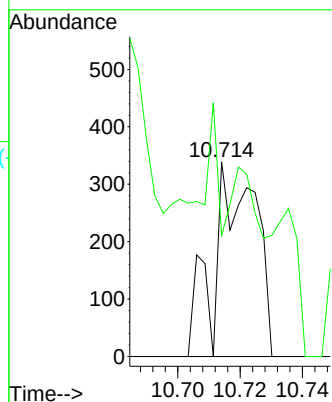
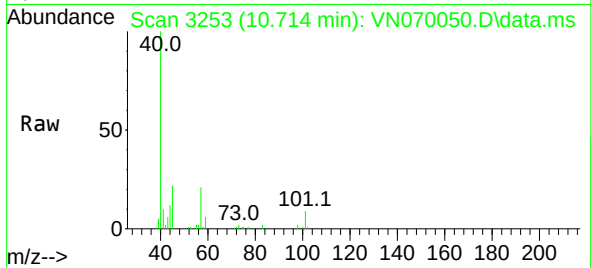




#53
t-1,3-Dichloropropene
Concen: 2.807 ug/l
RT: 10.714 min Scan# 3153
Delta R.T. -0.005 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

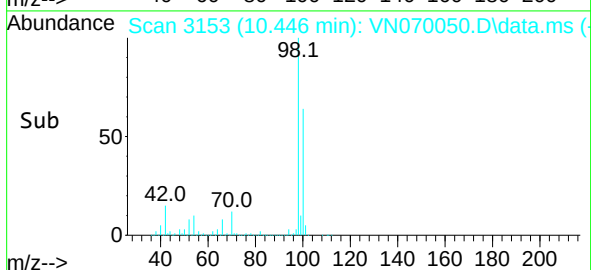
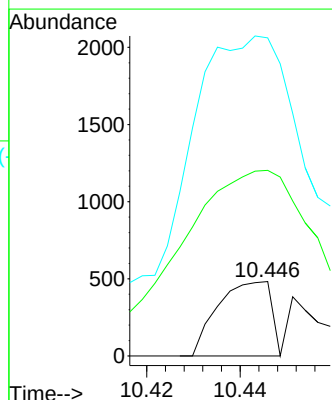
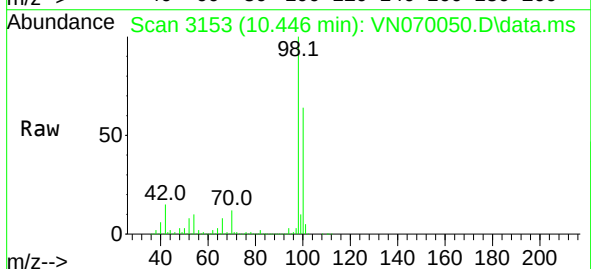
Instrument :
MSVOA_N
ClientSampleId :

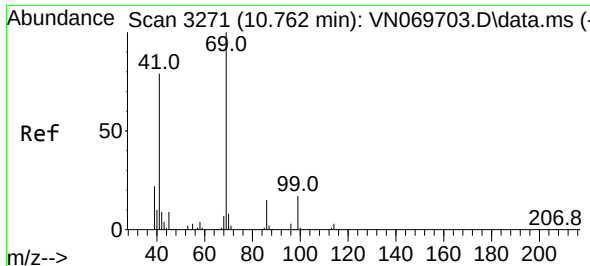
Tgt Ion: 75 Resp: 316
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.014 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.255 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

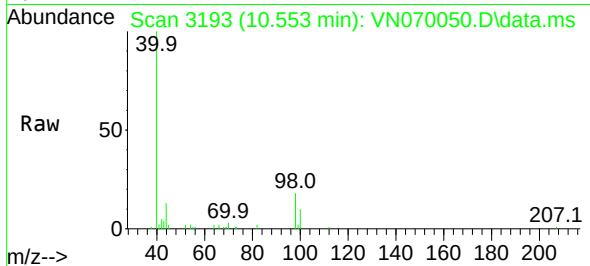
Tgt Ion: 75 Resp: 381
Ion Ratio Lower Upper
75 100
77 103.3 26.4 39.6#
39 207.1 42.5 63.7#



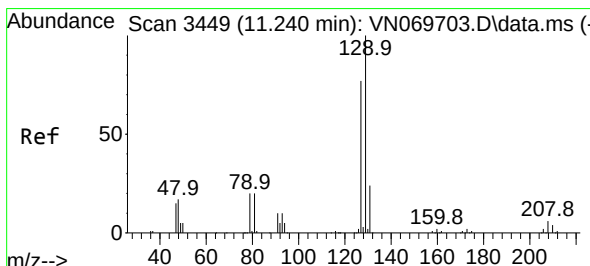
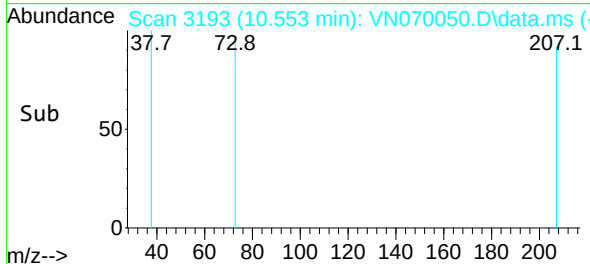
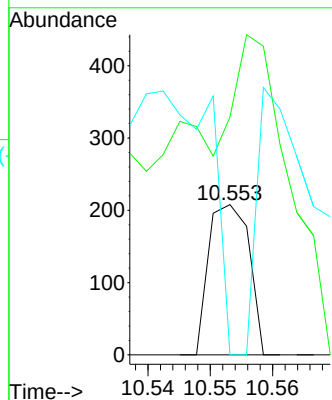


#56
Ethyl methacrylate
Concen: 2.283 ug/l
RT: 10.553 min Scan# 31
Delta R.T. -0.209 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

Instrument :
MSVOA_N
ClientSampleId :

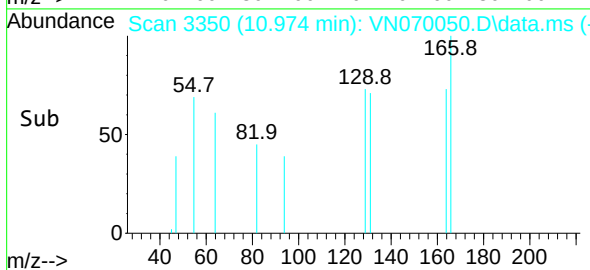
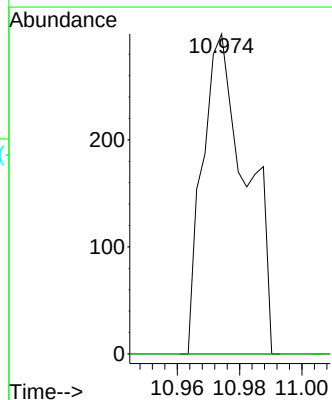
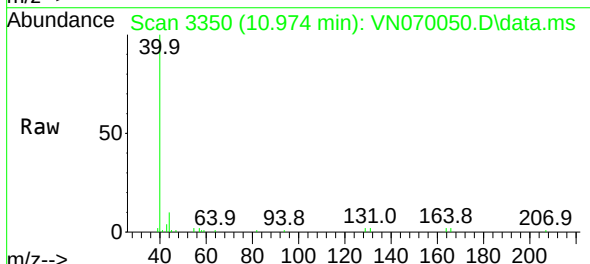


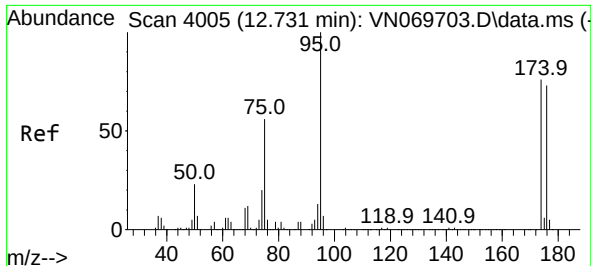
Tgt Ion: 69 Resp: 94
Ion Ratio Lower Upper
69 100
41 317.0 51.4 77.0#
39 236.2 34.6 52.0#



#60
Dibromochloromethane
Concen: 2.395 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.266 min
Lab File: VN070050.D
Acq: 14 Dec 2021 00:08

Tgt Ion: 129 Resp: 293
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 64.317 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.000 min

Lab File: VN070050.D

Acq: 14 Dec 2021 00:08

Instrument :

MSVOA_N

ClientSampleId :

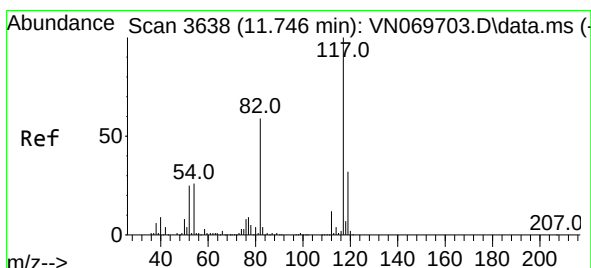
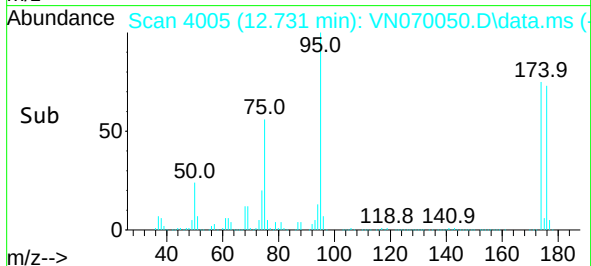
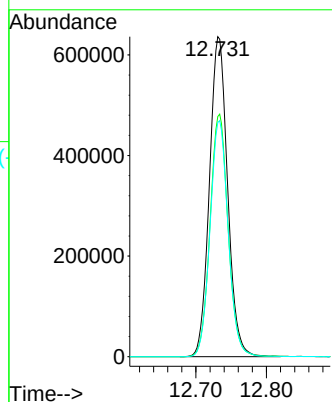
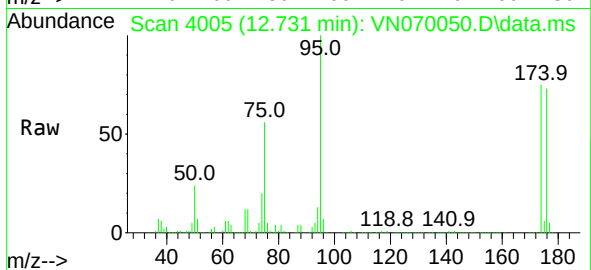
Tgt Ion: 95 Resp: 1137152

Ion Ratio Lower Upper

95 100

174 75.5 0.0 187.2

176 73.6 0.0 181.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.002 min

Lab File: VN070050.D

Acq: 14 Dec 2021 00:08

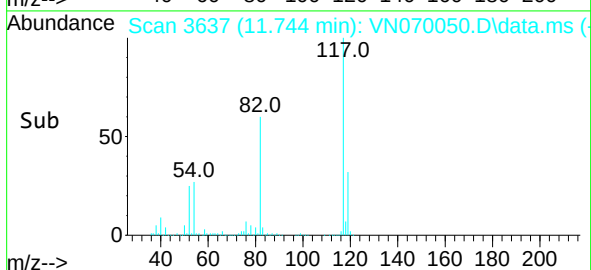
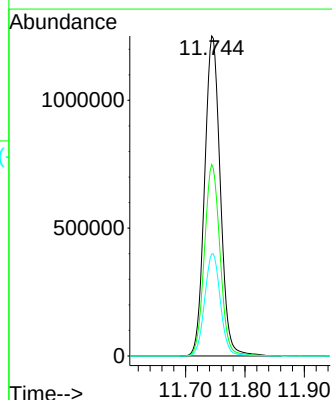
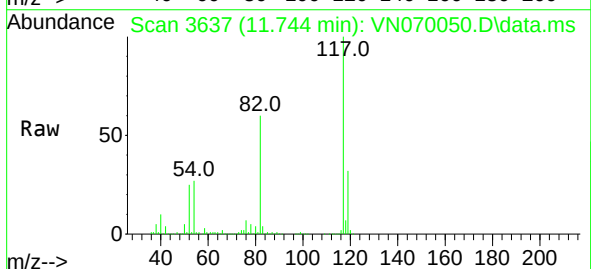
Tgt Ion: 117 Resp: 2293933

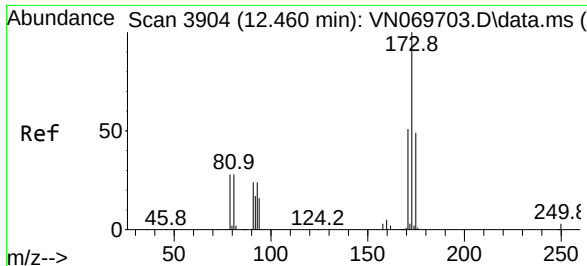
Ion Ratio Lower Upper

117 100

82 59.8 42.4 63.6

119 31.9 25.4 38.2





#71

Bromoform

Concen: 2.815 ug/l

RT: 12.720 min Scan# 4001

Delta R.T. 0.260 min

Lab File: VN070050.D

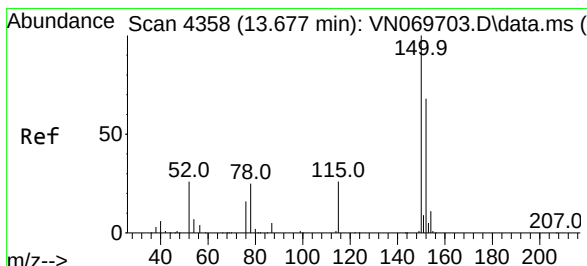
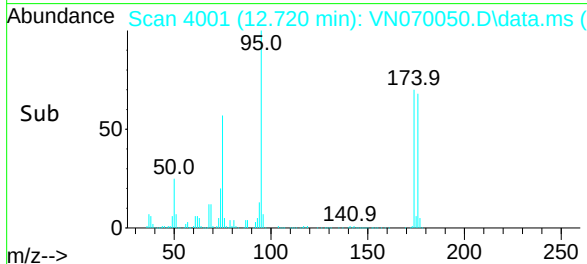
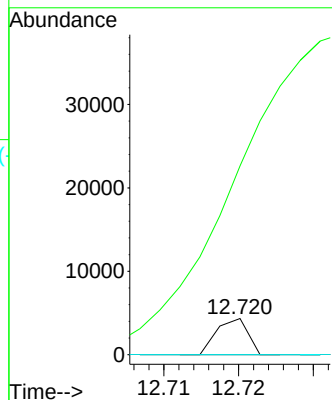
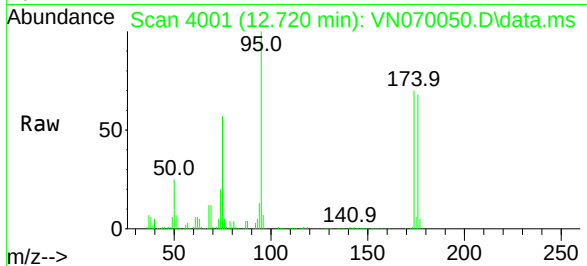
Acq: 14 Dec 2021 00:08

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 1252
 Ion Ratio Lower Upper
 173 100
 175 5002.5 24.2 72.6#
 254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

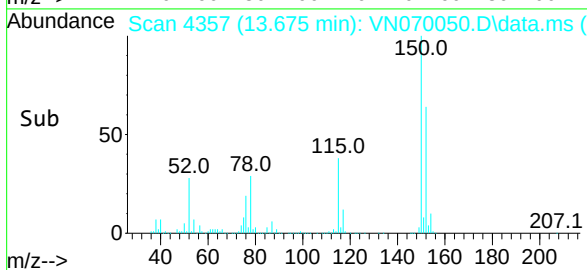
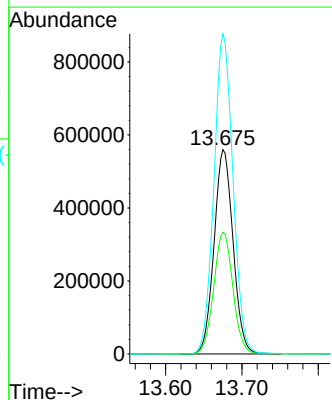
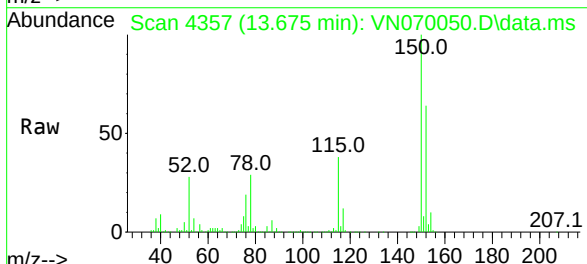
RT: 13.675 min Scan# 4357

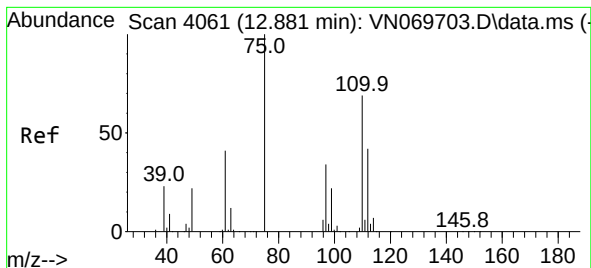
Delta R.T. -0.002 min

Lab File: VN070050.D

Acq: 14 Dec 2021 00:08

Tgt Ion:152 Resp: 969403
 Ion Ratio Lower Upper
 152 100
 115 60.3 27.5 82.5
 150 156.7 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 22.870 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN070050.D

Acq: 14 Dec 2021 00:08

Instrument :

MSVOA_N

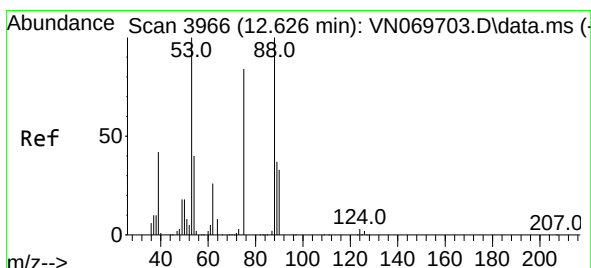
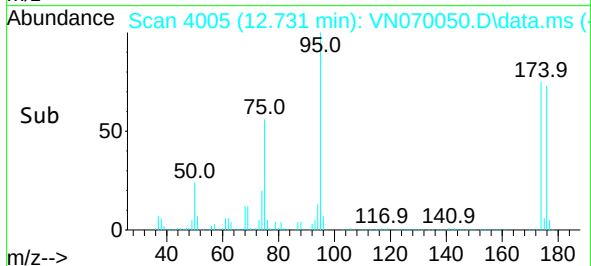
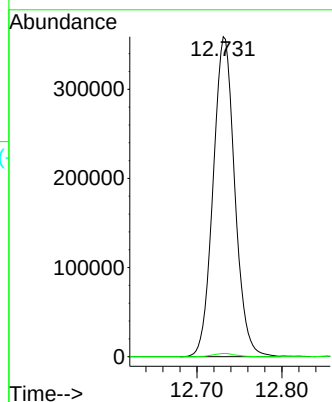
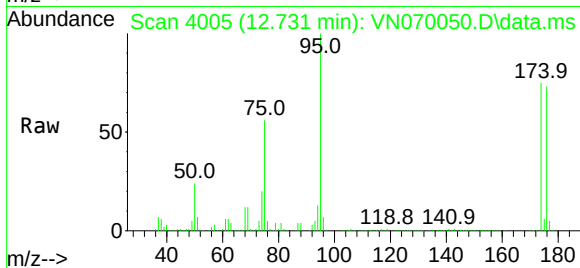
ClientSampleId :

Tgt Ion: 75 Resp: 635778

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.831 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. 0.105 min

Lab File: VN070050.D

Acq: 14 Dec 2021 00:08

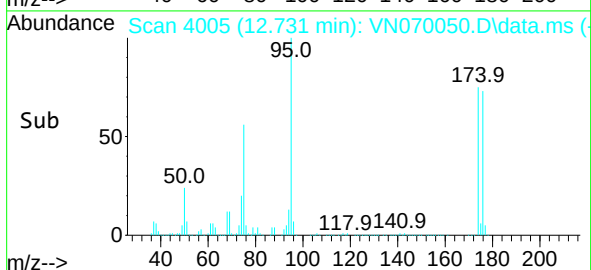
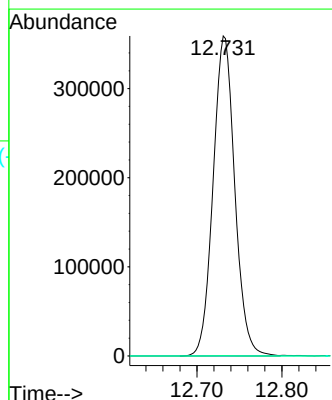
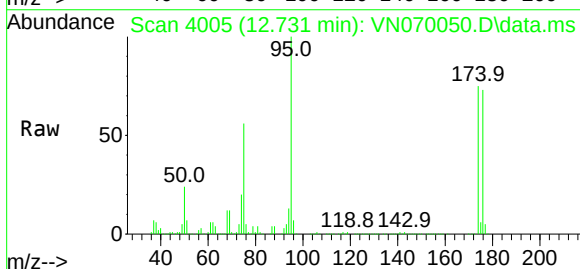
Tgt Ion: 75 Resp: 635778

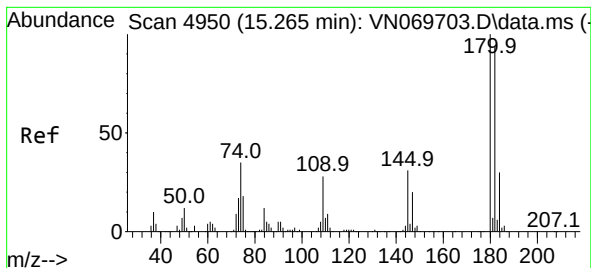
Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 2.980 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

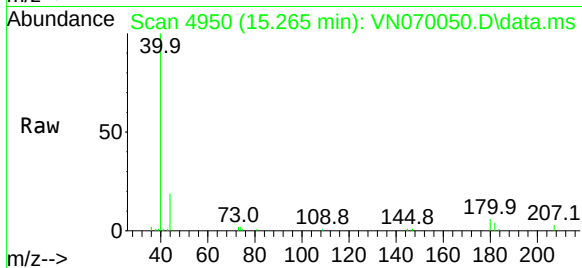
Lab File: VN070050.D

Acq: 14 Dec 2021 00:08

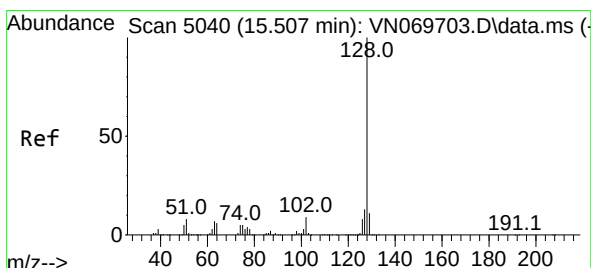
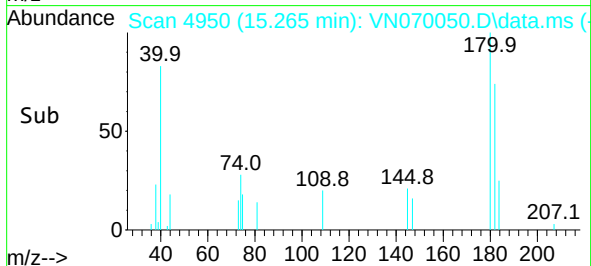
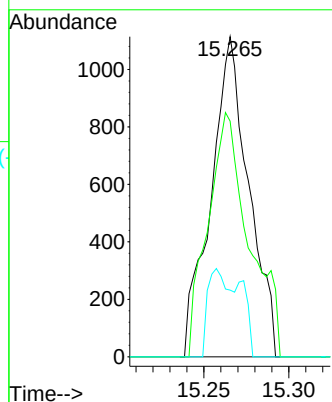
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	180	Resp:	1726
Ion Ratio	Lower	Upper	
180	100		
182	82.9	48.3	144.9
145	16.7	14.5	43.5



#95

Naphthalene

Concen: 4.115 ug/l

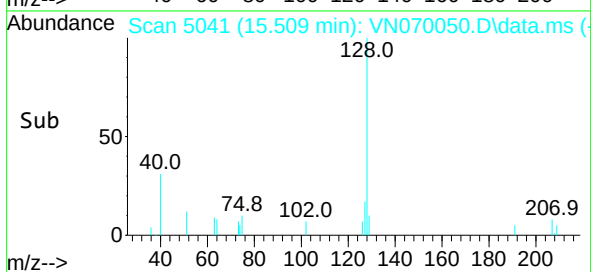
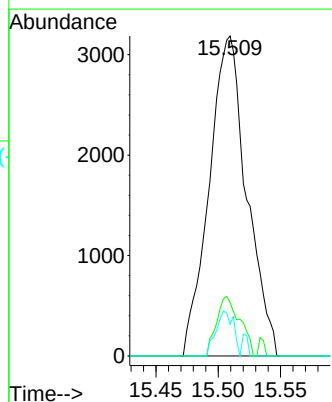
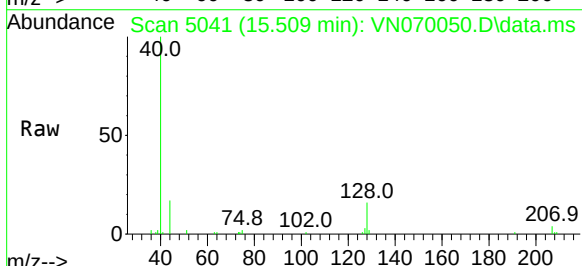
RT: 15.509 min Scan# 5041

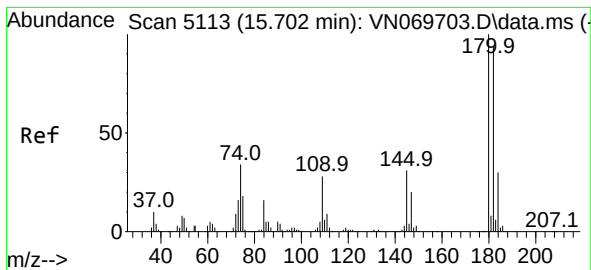
Delta R.T. 0.002 min

Lab File: VN070050.D

Acq: 14 Dec 2021 00:08

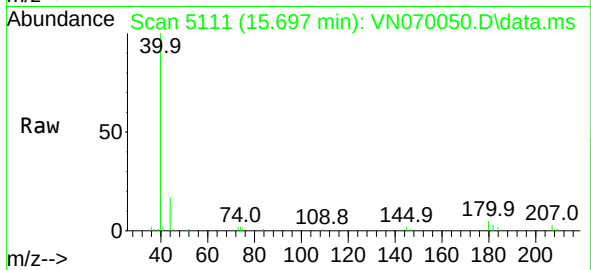
Tgt Ion:	128	Resp:	6681
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.5	15.7
129	6.5	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.545 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: VN070050.D
 Acq: 14 Dec 2021 00:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1790
Ion	Ratio	Lower	Upper
180	100		
182	87.8	47.4	142.2
145	22.6	15.0	45.1

