

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070051.D
 Acq On : 14 Dec 2021 00:33
 Operator : JC/MD
 Sample : M5007-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 07:30:04 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)

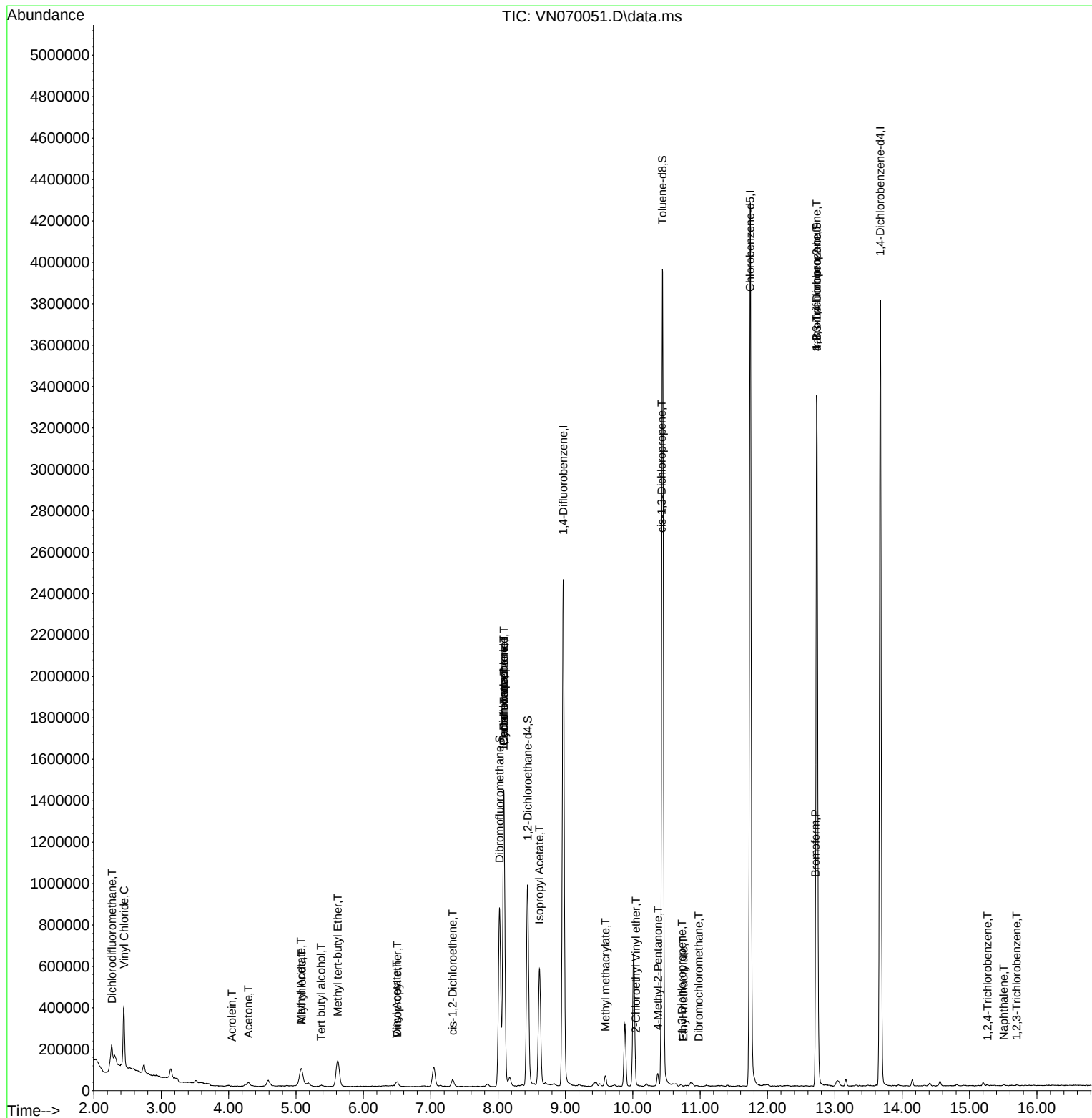
Internal Standards						
1) Pentafluorobenzene	8.086	168	1045283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2017565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2364969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1005836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	852931	52.848	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.700%	
35) Dibromofluoromethane	8.021	113	628549	49.736	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.480%	
50) Toluene-d8	10.441	98	2698992	53.188	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 106.380%	
62) 4-Bromofluorobenzene	12.731	95	1175252	63.930	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 127.860%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.271	85	5159	0.423	ug/l	94
4) Vinyl Chloride	2.448	62	13912	0.991	ug/l #	51
11) Tert butyl alcohol	5.374	59	8897	2.916	ug/l #	71
13) Acrolein	4.047	56	1051	0.405	ug/l #	25
14) Allyl chloride	5.085	41	42449	1.892	ug/l #	63
16) Acetone	4.293	43	34325	3.536	ug/l	95
18) Methyl Acetate	5.077	43	88659	3.025	ug/l #	51
19) Methyl tert-butyl Ether	5.618	73	178119	4.601	ug/l #	90
22) Diisopropyl ether	6.503	45	28413	0.648	ug/l #	87
23) Vinyl Acetate	6.493	43	8712	0.244	ug/l #	72
27) cis-1,2-Dichloroethene	7.327	96	14591	1.117	ug/l	99
31) Cyclohexane	8.086	56	28360	1.263	ug/l #	26
36) 1,1-Dichloropropene	8.083	75	91150	4.746	ug/l #	49
38) Carbon Tetrachloride	8.086	117	108375	5.754	ug/l #	17
43) Isopropyl Acetate	8.614	43	117671	2.782	ug/l #	55
48) Methyl methacrylate	9.593	41	15027	0.761	ug/l #	35
51) 4-Methyl-2-Pentanone	10.376	43	6250	0.228	ug/l #	73
53) t-1,3-Dichloropropene	10.730	75	143	2.800	ug/l #	43
54) cis-1,3-Dichloropropene	10.430	75	412	2.015	ug/l #	1
56) Ethyl methacrylate	10.752	69	313	2.290	ug/l #	13
58) 2-Chloroethyl Vinyl ether	10.046	63	53	18.396	ug/l #	45
60) Dibromochloromethane	10.980	129	128	2.384	ug/l #	11
71) Bromoform	12.712	173	653	2.774	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	649974	22.533	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	649974	71.820	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1281	2.951	ug/l	88
95) Naphthalene	15.507	128	4902	4.077	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.700	180	1306	2.513	ug/l	92

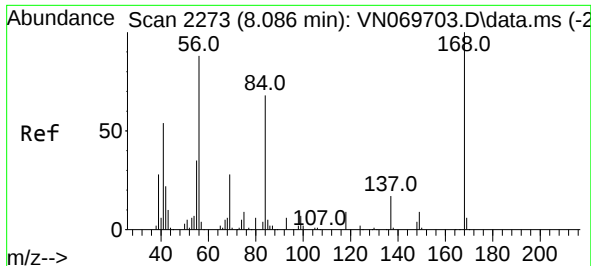
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
Data File : VN070051.D
Acq On : 14 Dec 2021 00:33
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Sample : M5007-05
Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
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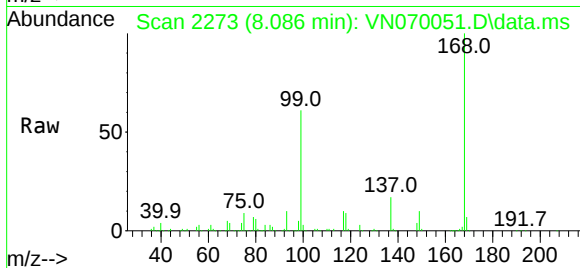
Quant Time: Dec 14 07:30:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
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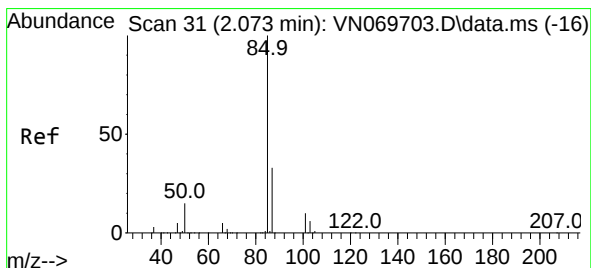
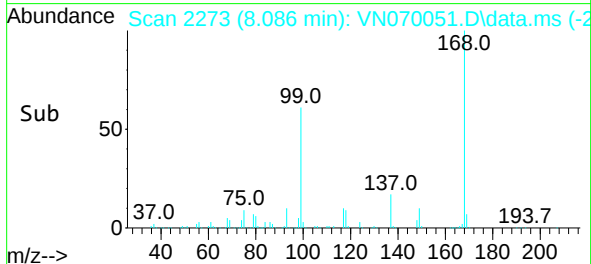
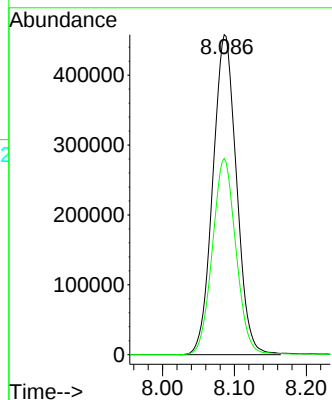


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Instrument :
MSVOA_N
ClientSampleId :

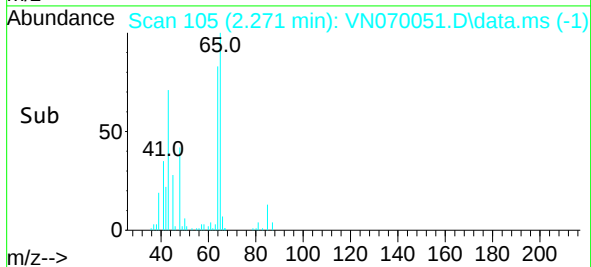
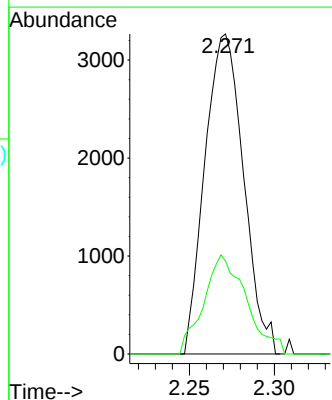
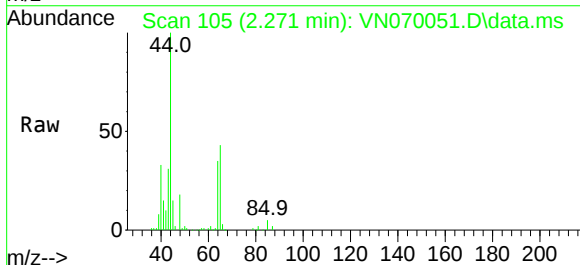


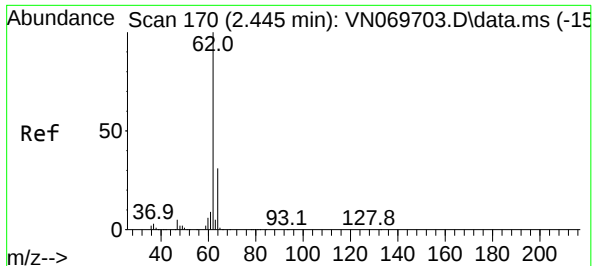
Tgt Ion:168 Resp: 1045283
Ion Ratio Lower Upper
168 100
99 61.3 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.423 ug/l
RT: 2.271 min Scan# 105
Delta R.T. 0.199 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Tgt Ion: 85 Resp: 5159
Ion Ratio Lower Upper
85 100
87 29.0 16.3 48.9

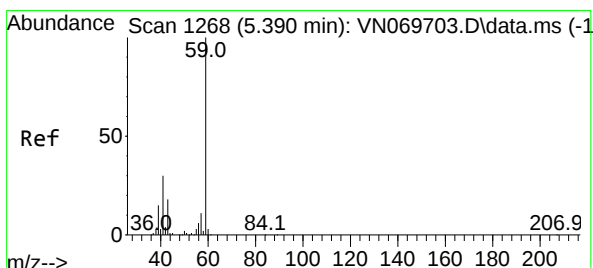
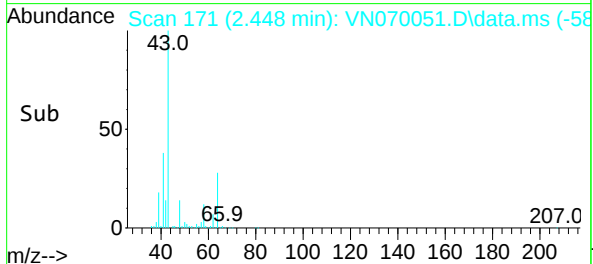
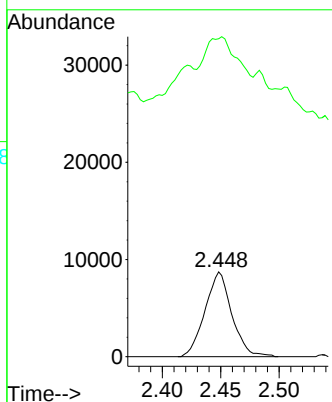
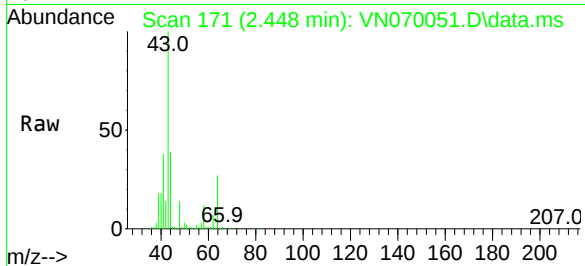




#4
 Vinyl Chloride
 Concen: 0.991 ug/l
 RT: 2.448 min Scan# 11
 Delta R.T. 0.003 min
 Lab File: VN070051.D
 Acq: 14 Dec 2021 00:33

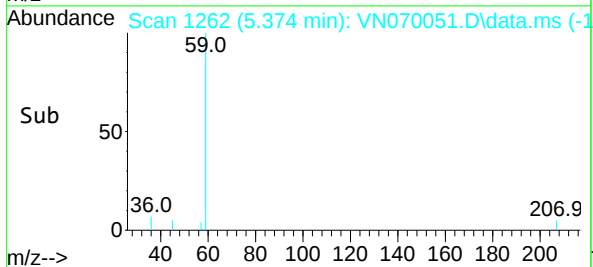
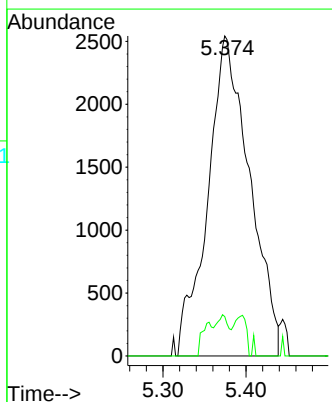
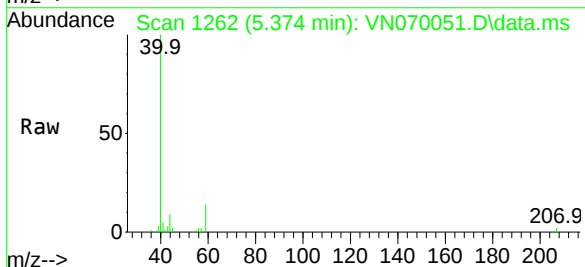
Instrument :
 MSVOA_N
 ClientSampleId :

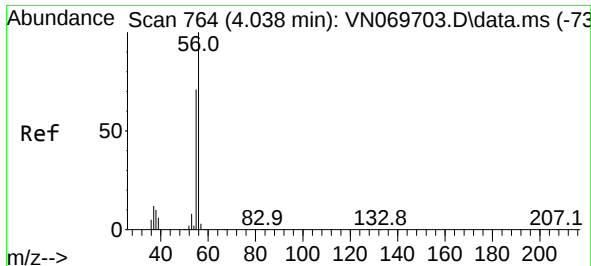
Tgt Ion: 62 Resp: 13912
 Ion Ratio Lower Upper
 62 100
 64 59.3 25.8 38.6#



#11
 Tert butyl alcohol
 Concen: 2.916 ug/l
 RT: 5.374 min Scan# 1262
 Delta R.T. -0.016 min
 Lab File: VN070051.D
 Acq: 14 Dec 2021 00:33

Tgt Ion: 59 Resp: 8897
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

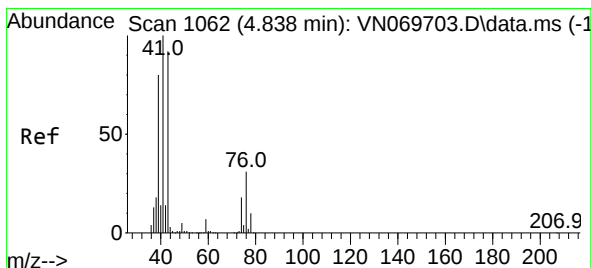
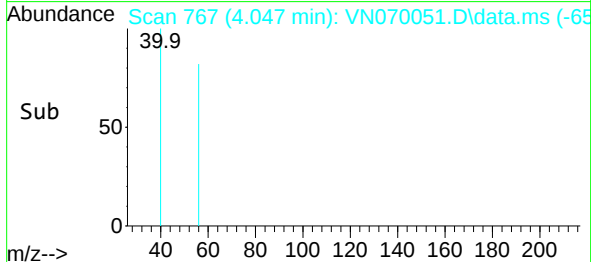
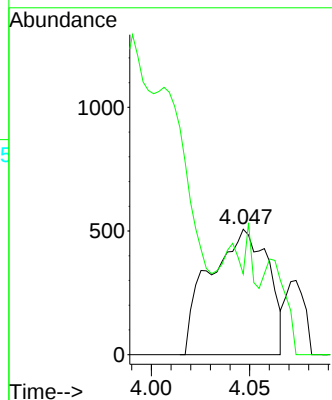
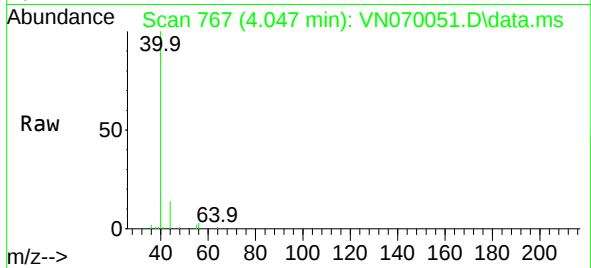




#13
Acrolein
Concen: 0.405 ug/l
RT: 4.047 min Scan# 71
Delta R.T. 0.008 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

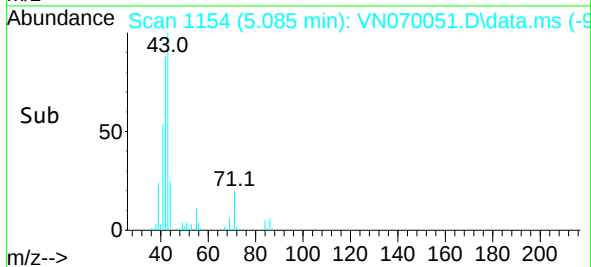
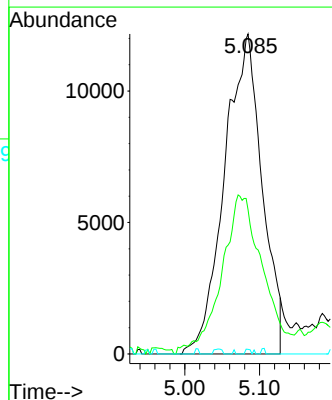
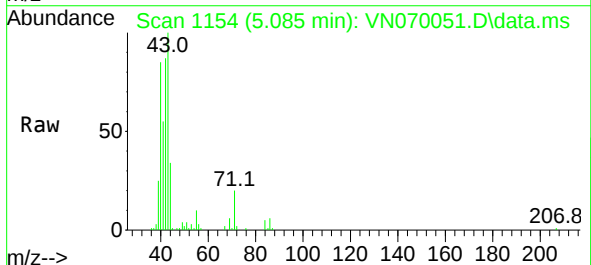
Instrument :
MSVOA_N
ClientSampleId :

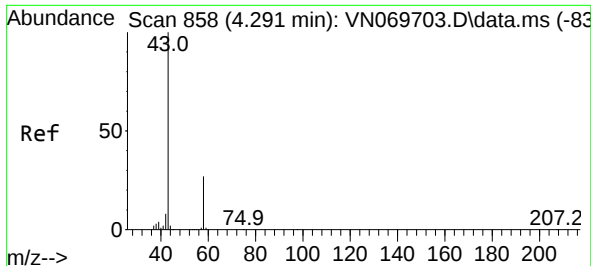
Tgt Ion: 56 Resp: 1051
Ion Ratio Lower Upper
56 100
55 8.6 56.6 85.0#



#14
Allyl chloride
Concen: 1.892 ug/l
RT: 5.085 min Scan# 1154
Delta R.T. 0.247 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Tgt Ion: 41 Resp: 42449
Ion Ratio Lower Upper
41 100
39 52.5 61.2 91.8#
76 0.3 26.0 39.0#

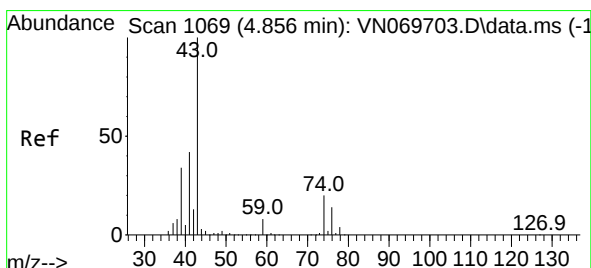
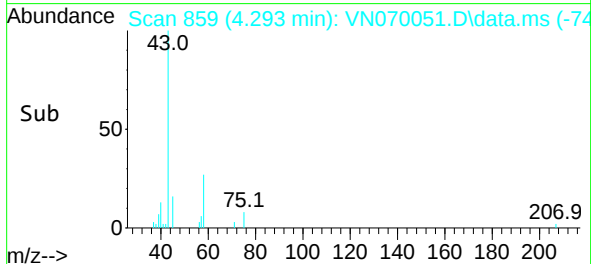
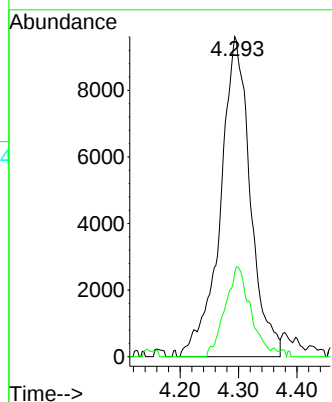
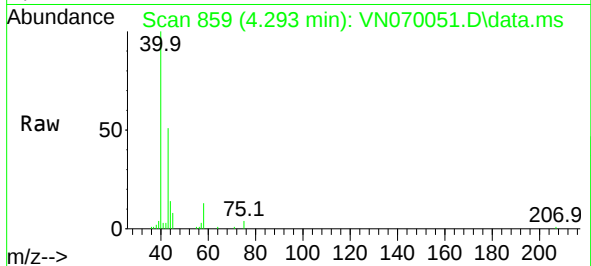




#16
Acetone
Concen: 3.536 ug/l
RT: 4.293 min Scan# 81
Delta R.T. 0.003 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

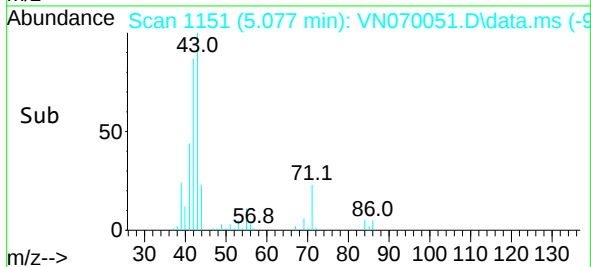
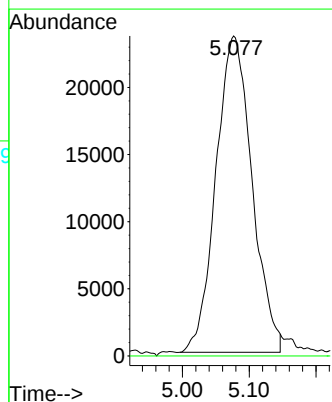
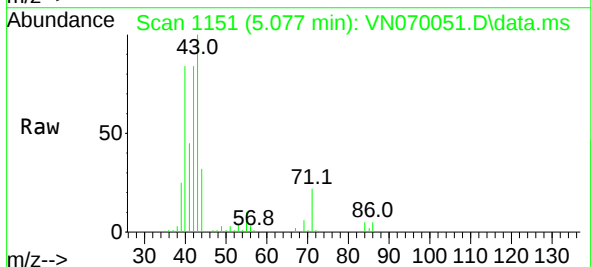
Instrument :
MSVOA_N
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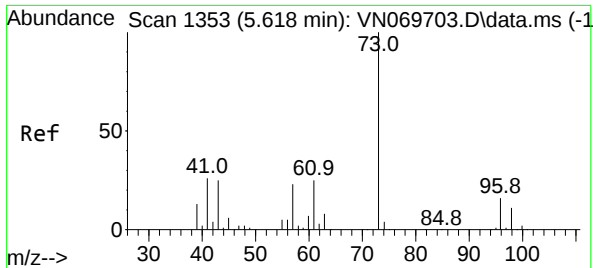
Tgt Ion: 43 Resp: 34325
Ion Ratio Lower Upper
43 100
58 26.3 23.1 34.7



#18
Methyl Acetate
Concen: 3.025 ug/l
RT: 5.077 min Scan# 1151
Delta R.T. 0.220 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Tgt Ion: 43 Resp: 88659
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#

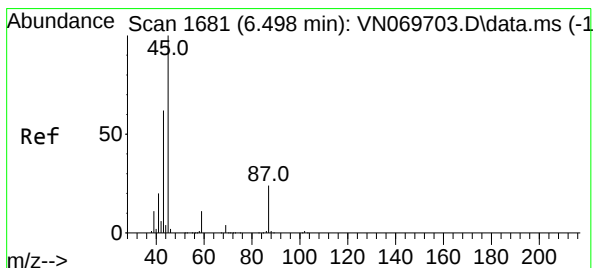
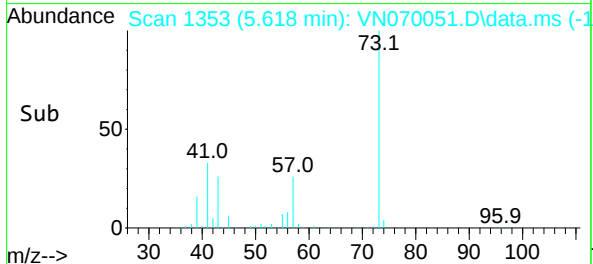
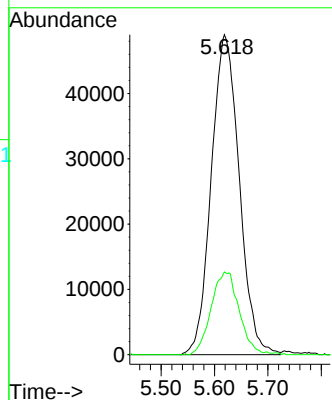
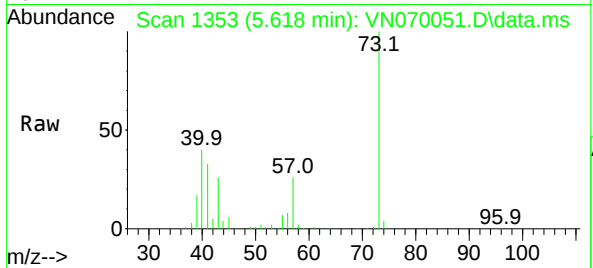




#19
Methyl tert-butyl Ether
Concen: 4.601 ug/l
RT: 5.618 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

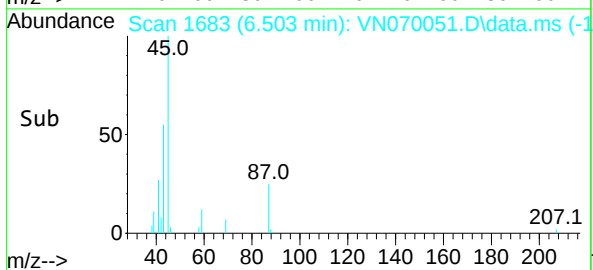
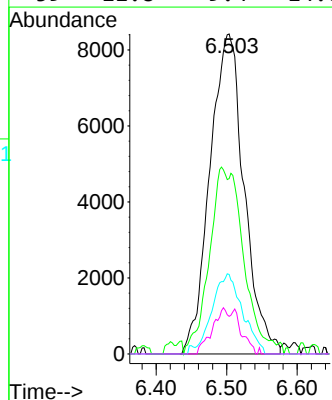
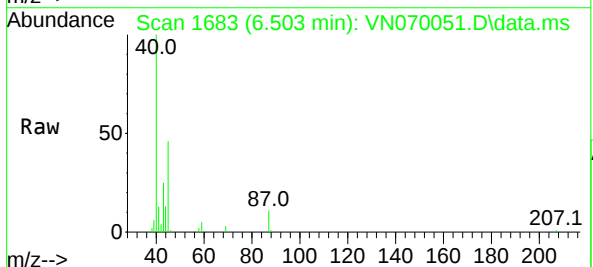
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MSVOA_N
ClientSampleId :

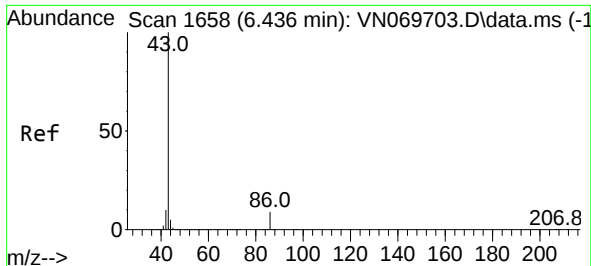
Tgt Ion: 73 Resp: 178119
Ion Ratio Lower Upper
73 100
57 25.8 16.8 25.2#



#22
Diisopropyl ether
Concen: 0.648 ug/l
RT: 6.503 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

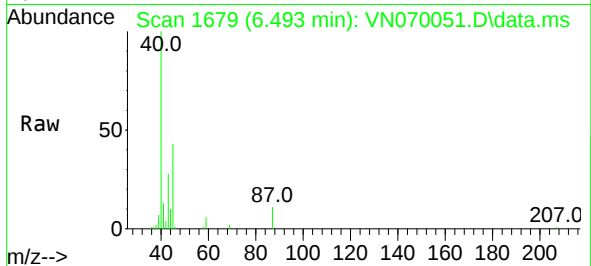
Tgt Ion: 45 Resp: 28413
Ion Ratio Lower Upper
45 100
43 51.2 51.7 77.5#
87 24.8 23.2 34.8
59 11.8 9.4 14.0



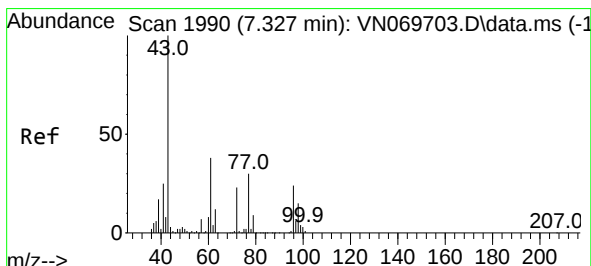
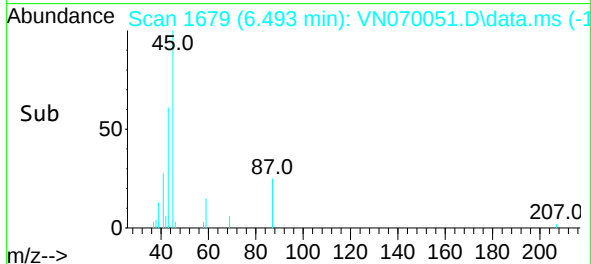
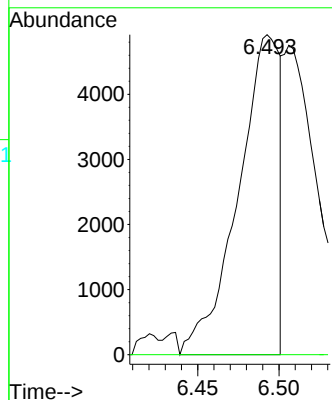


#23
 Vinyl Acetate
 Concen: 0.244 ug/l
 RT: 6.493 min Scan# 1679
 Delta R.T. 0.057 min
 Lab File: VN070051.D
 Acq: 14 Dec 2021 00:33

Instrument :
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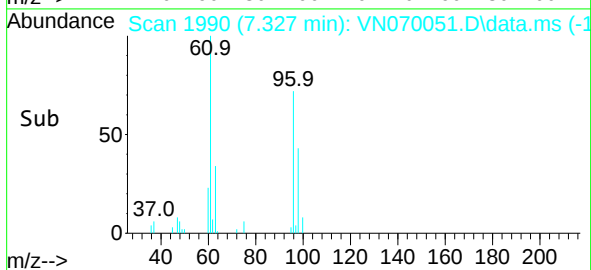
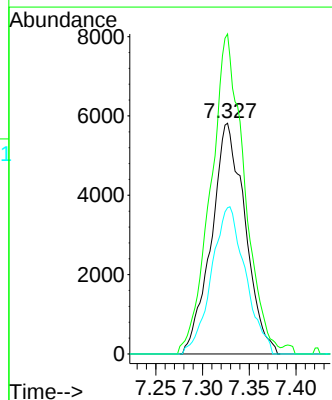
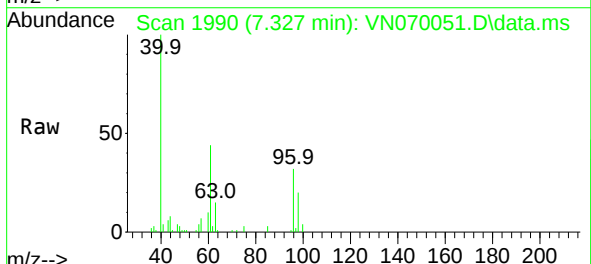


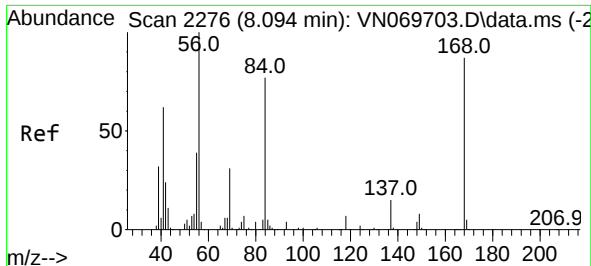
Tgt Ion: 43 Resp: 8712
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#27
 cis-1,2-Dichloroethene
 Concen: 1.117 ug/l
 RT: 7.327 min Scan# 1990
 Delta R.T. 0.000 min
 Lab File: VN070051.D
 Acq: 14 Dec 2021 00:33

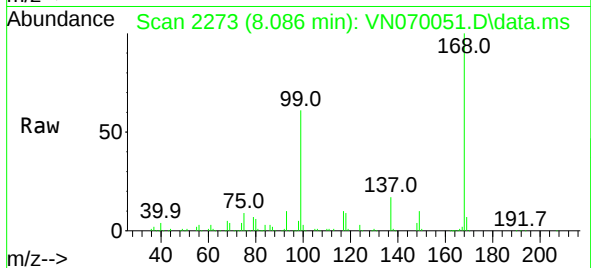
Tgt Ion: 96 Resp: 14591
 Ion Ratio Lower Upper
 96 100
 61 138.9 0.0 275.0
 98 64.2 0.0 129.6



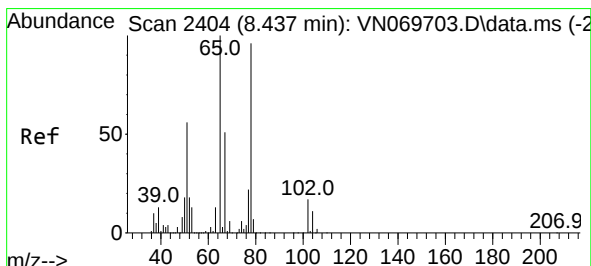
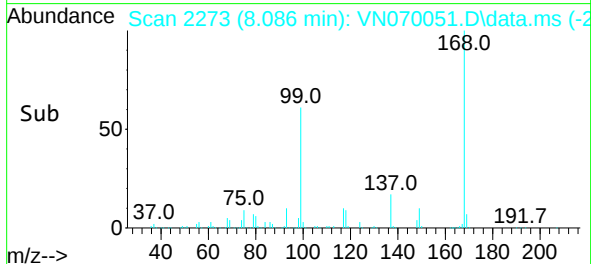
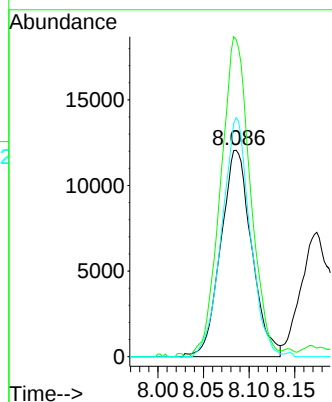


#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Instrument :
MSVOA_N
ClientSampleId :

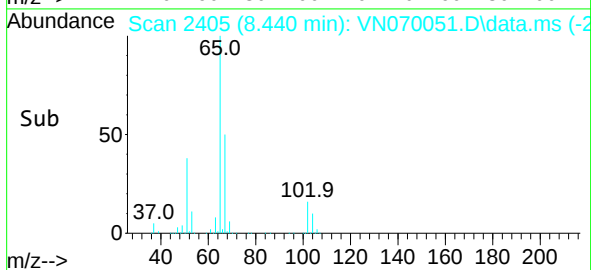
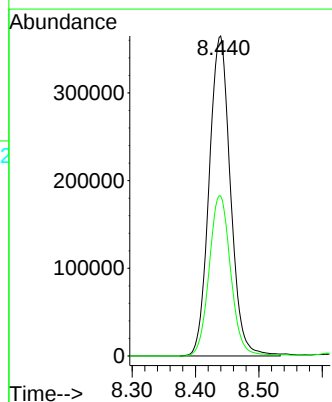
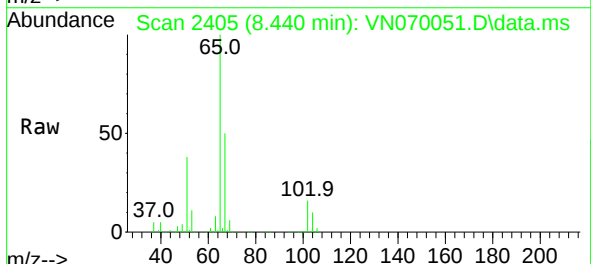


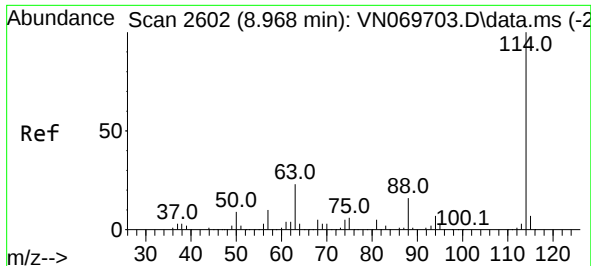
Tgt Ion: 56 Resp: 28360
Ion Ratio Lower Upper
56 100
69 152.1 27.1 40.7#
84 115.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.848 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Tgt Ion: 65 Resp: 852931
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

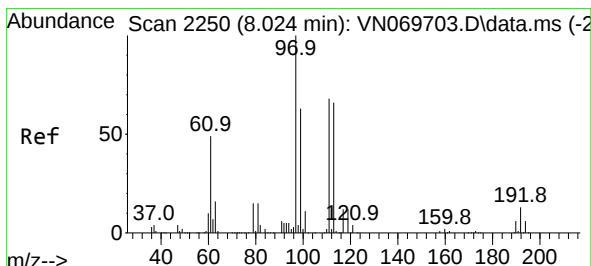
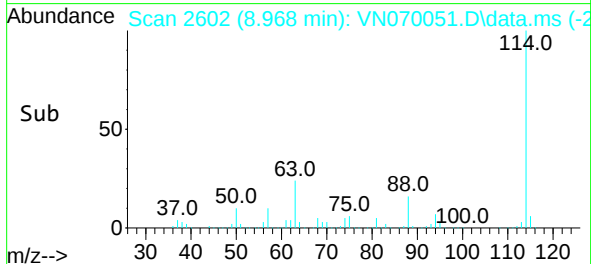
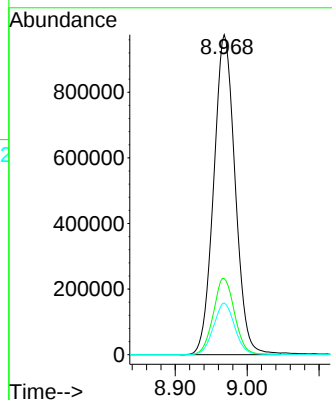
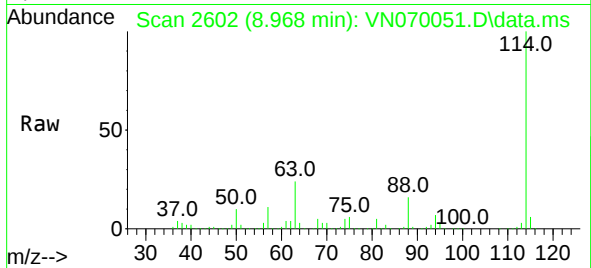




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2017565
Delta R.T. 0.000 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

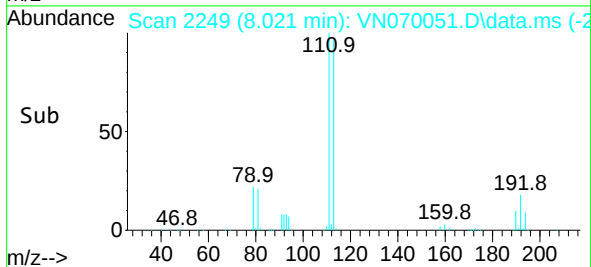
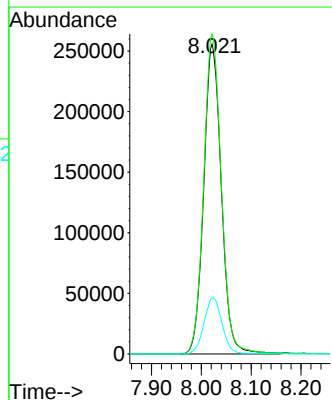
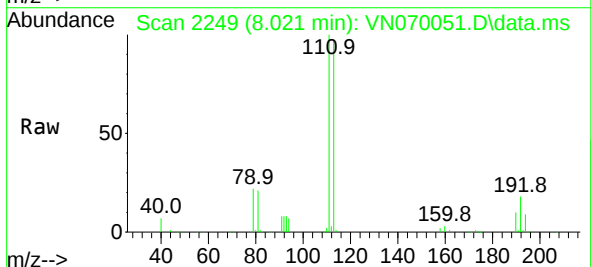
Instrument :
MSVOA_N
ClientSampleId :

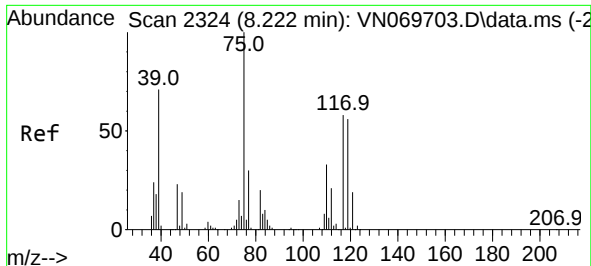
Tgt Ion:114 Resp: 2017565
Ion Ratio Lower Upper
114 100
63 23.8 0.0 37.8
88 16.2 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.736 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.002 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

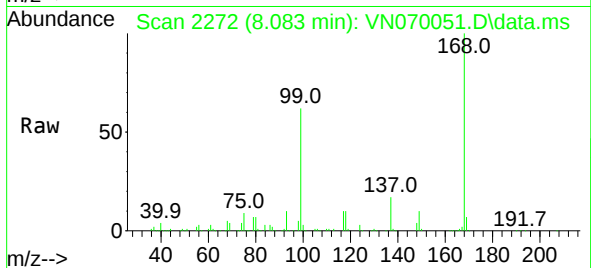
Tgt Ion:113 Resp: 628549
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 18.6 16.9 25.3



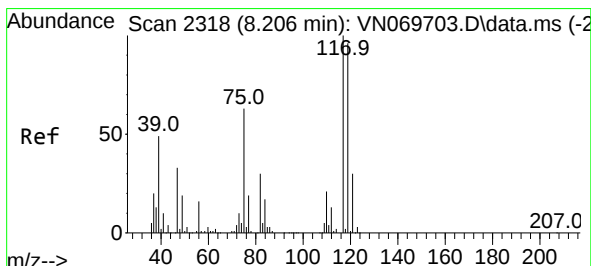
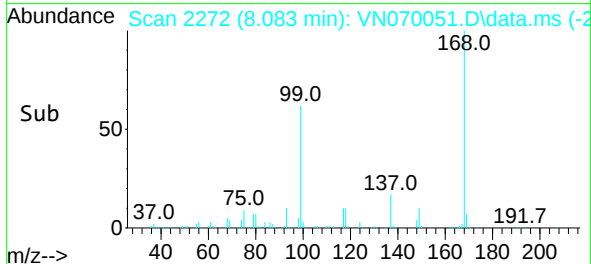
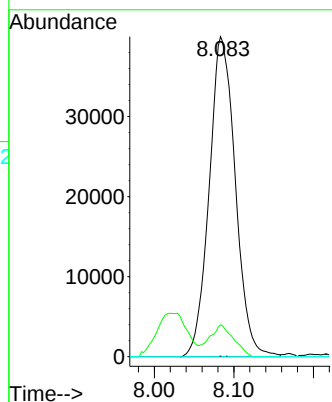


#36
 1,1-Dichloropropene
 Concen: 4.746 ug/l
 RT: 8.083 min Scan# 211
 Delta R.T. -0.139 min
 Lab File: VN070051.D
 Acq: 14 Dec 2021 00:33

Instrument :
 MSVOA_N
 ClientSampleId :

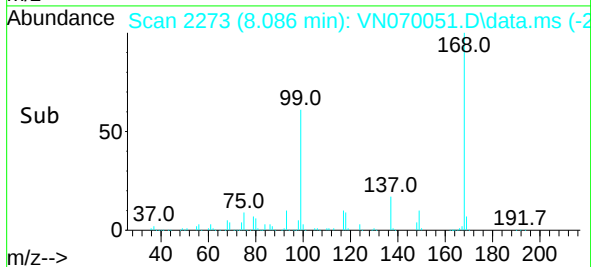
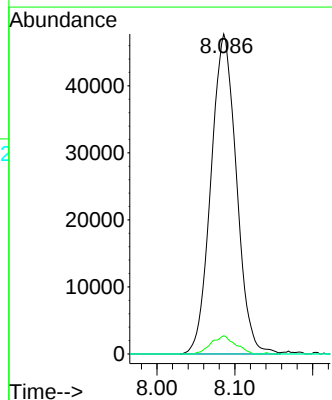
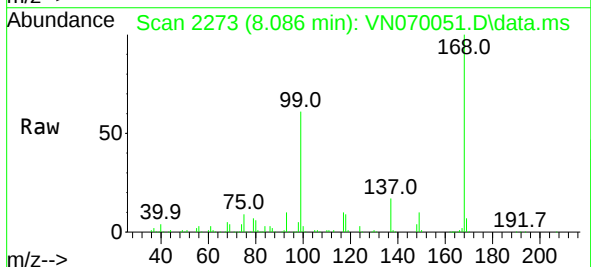


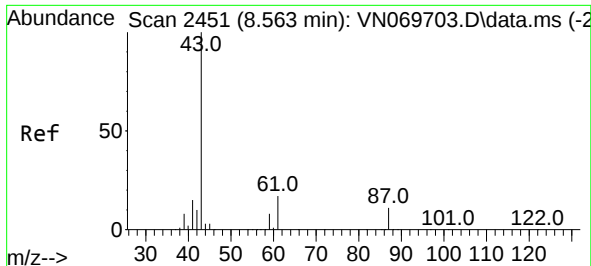
Tgt Ion: 75 Resp: 91150
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.754 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.120 min
 Lab File: VN070051.D
 Acq: 14 Dec 2021 00:33

Tgt Ion: 117 Resp: 108375
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.1 114.1#
 121 0.0 24.2 36.2#

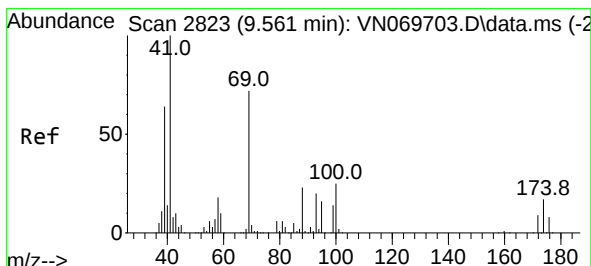
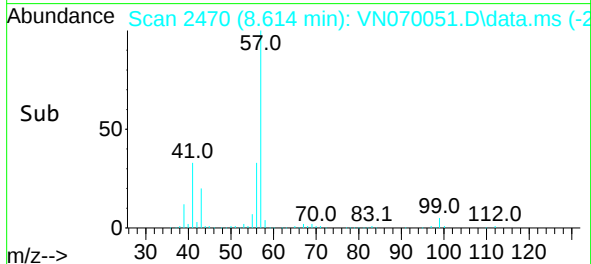
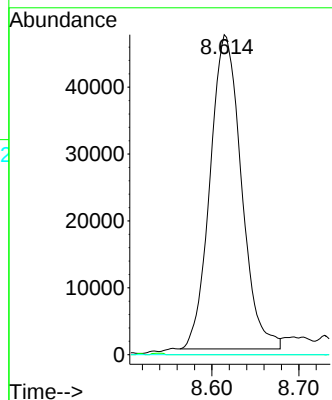
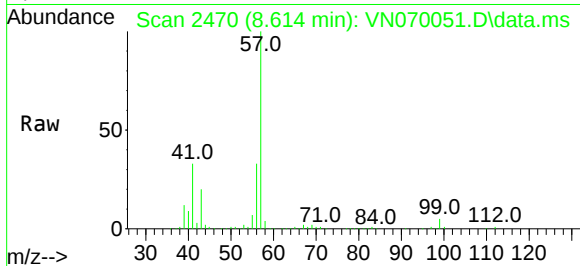




#43
Isopropyl Acetate
Concen: 2.782 ug/l
RT: 8.614 min Scan# 2451
Delta R.T. 0.051 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

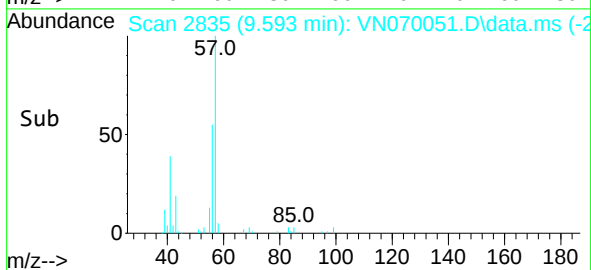
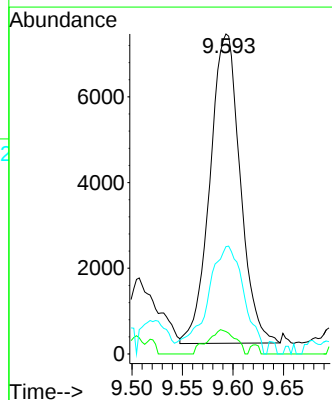
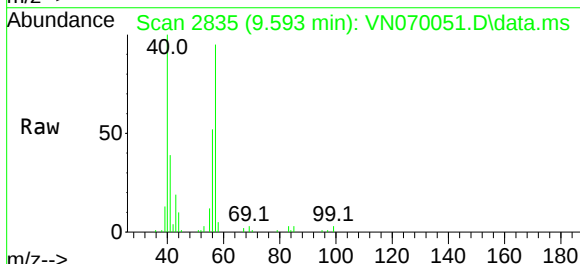
Instrument :
MSVOA_N
ClientSampleId :

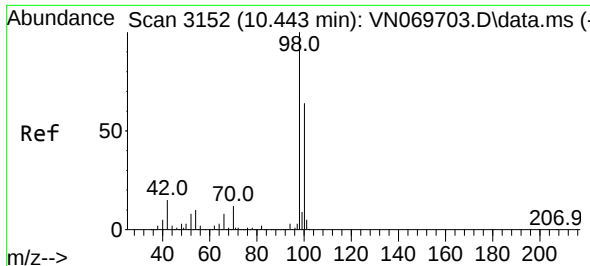
Tgt Ion: 43 Resp: 117671
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#48
Methyl methacrylate
Concen: 0.761 ug/l
RT: 9.593 min Scan# 2835
Delta R.T. 0.032 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Tgt Ion: 41 Resp: 15027
Ion Ratio Lower Upper
41 100
69 7.1 72.4 108.6#
39 42.3 58.4 87.6#

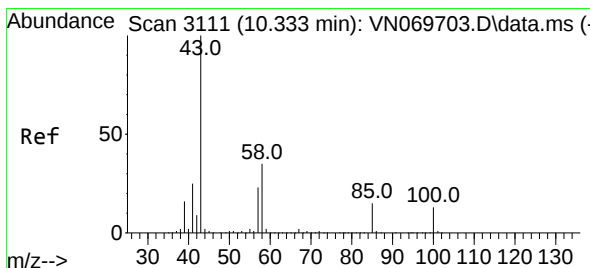
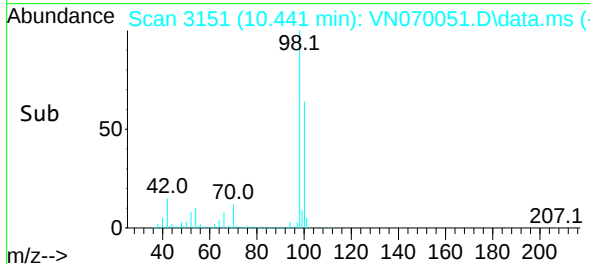
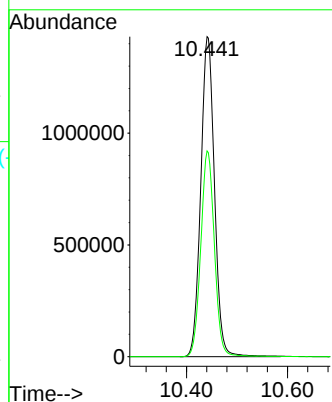
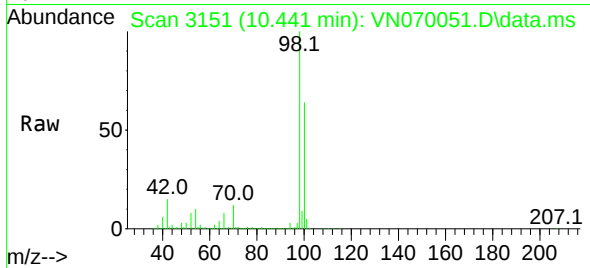




#50
Toluene-d8
Concen: 53.188 ug/l
RT: 10.441 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

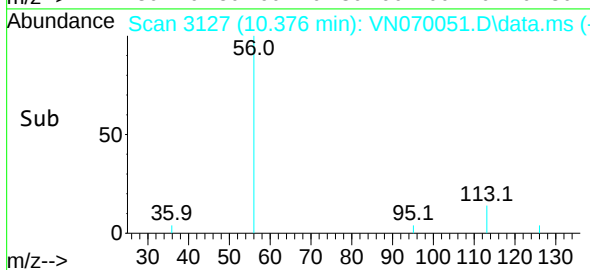
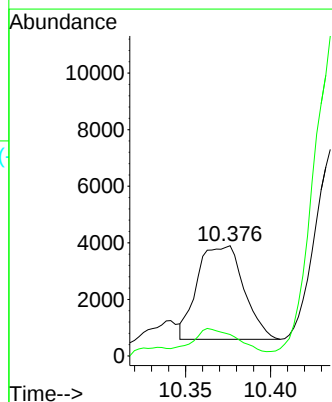
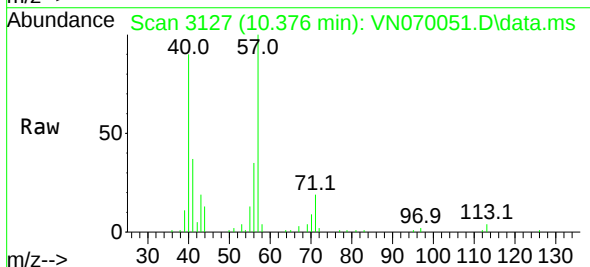
Instrument :
MSVOA_N
ClientSampleId :

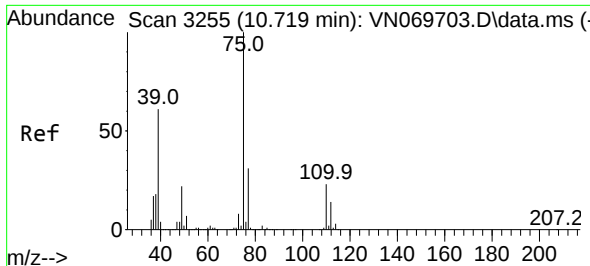
Tgt Ion: 98 Resp: 2698992
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.228 ug/l
RT: 10.376 min Scan# 3127
Delta R.T. 0.043 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

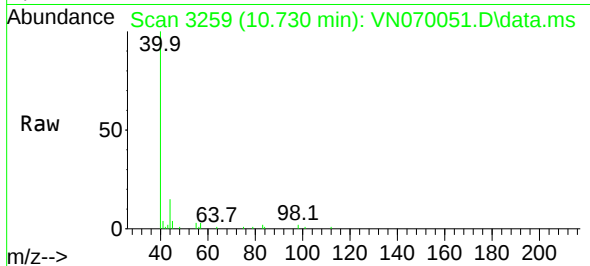
Tgt Ion: 43 Resp: 6250
Ion Ratio Lower Upper
43 100
58 22.0 30.4 45.6#



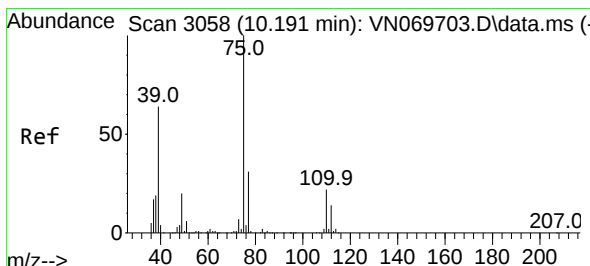
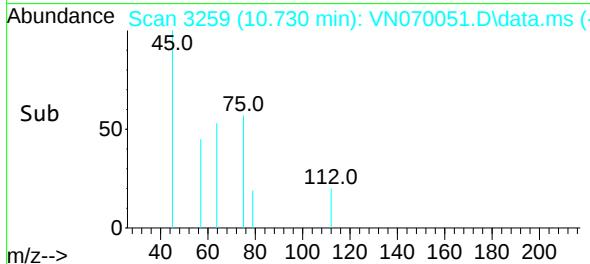
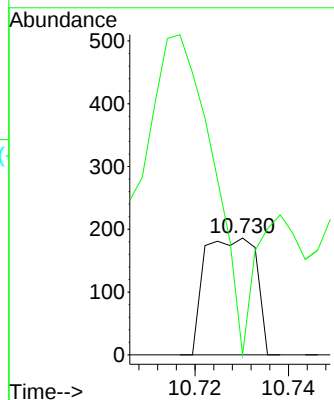


#53
t-1,3-Dichloropropene
Concen: 2.800 ug/l
RT: 10.730 min Scan# 3147
Delta R.T. 0.011 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Instrument :
MSVOA_N
ClientSampleId :

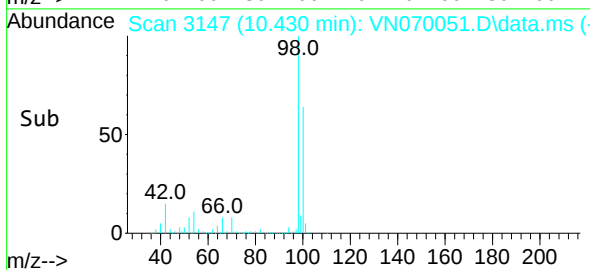
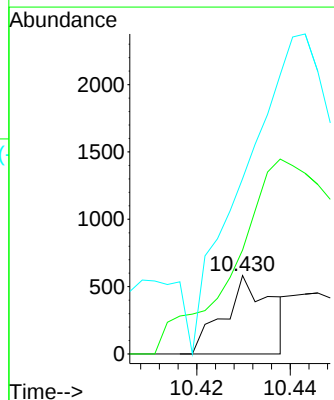
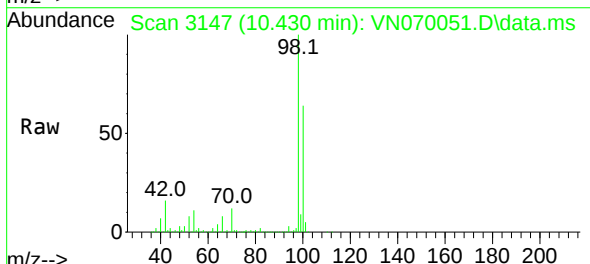


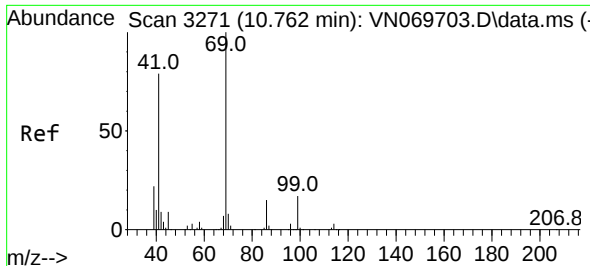
Tgt Ion: 75 Resp: 143
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.015 ug/l
RT: 10.430 min Scan# 3147
Delta R.T. 0.239 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

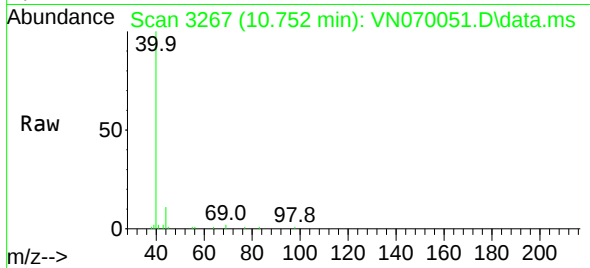
Tgt Ion: 75 Resp: 412
Ion Ratio Lower Upper
75 100
77 84.2 26.4 39.6#
39 131.6 42.5 63.7#



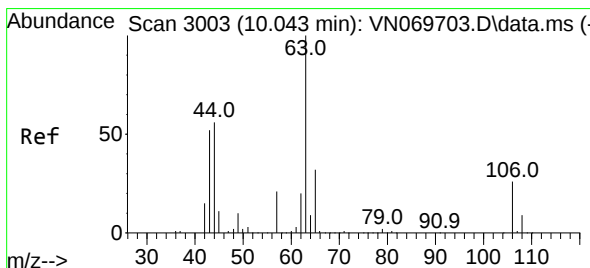
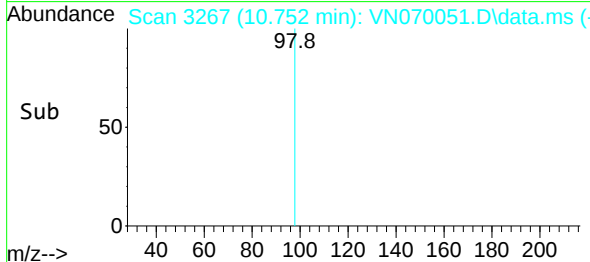
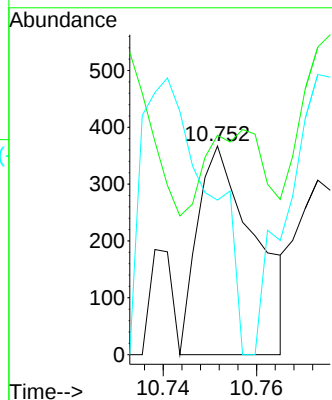


#56
Ethyl methacrylate
Concen: 2.290 ug/l
RT: 10.752 min Scan# 313
Delta R.T. -0.010 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Instrument :
MSVOA_N
ClientSampleId :

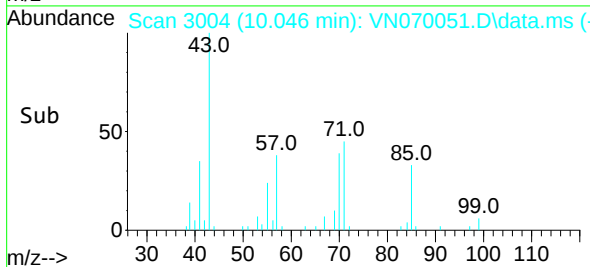
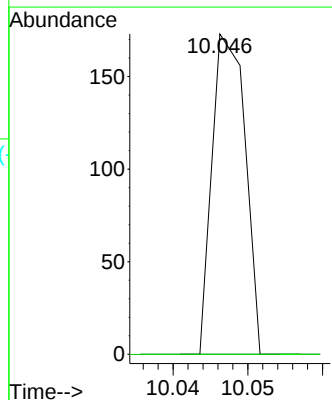
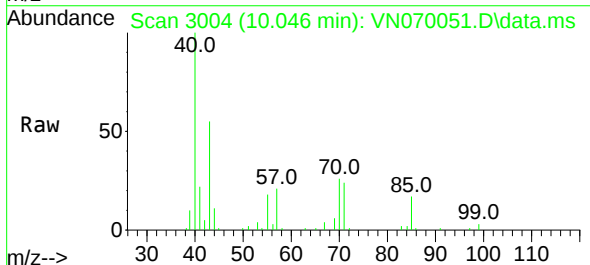


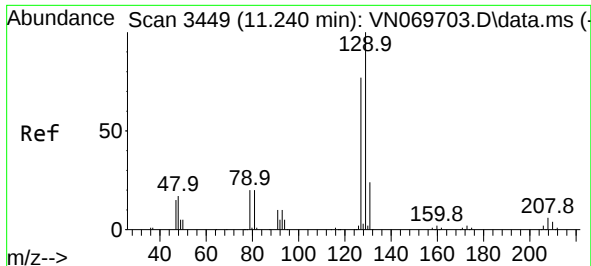
Tgt Ion: 69 Resp: 313
Ion Ratio Lower Upper
69 100
41 39.9 51.4 77.0#
39 153.0 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.396 ug/l
RT: 10.046 min Scan# 3004
Delta R.T. 0.003 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

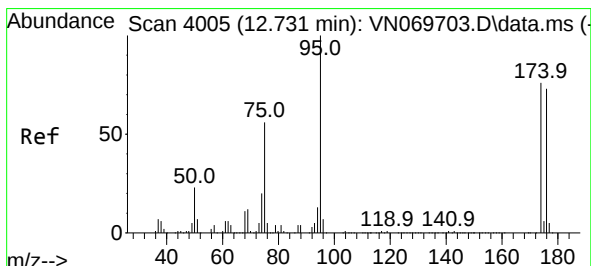
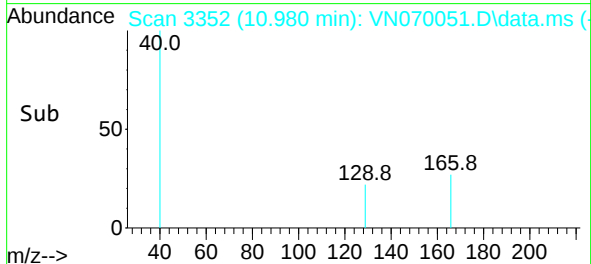
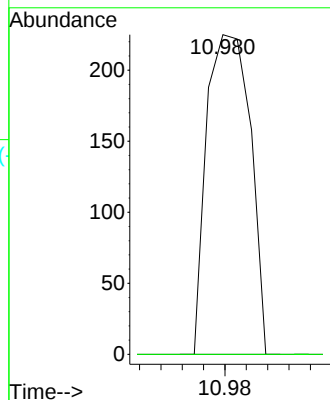
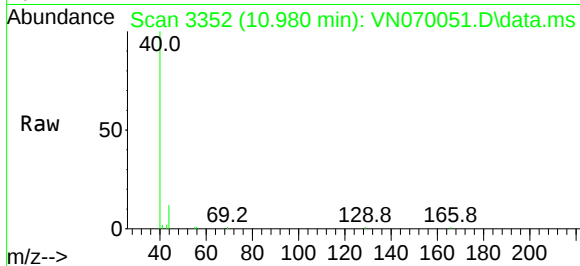




#60
Dibromochloromethane
Concen: 2.384 ug/l
RT: 10.980 min Scan# 31
Delta R.T. -0.260 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

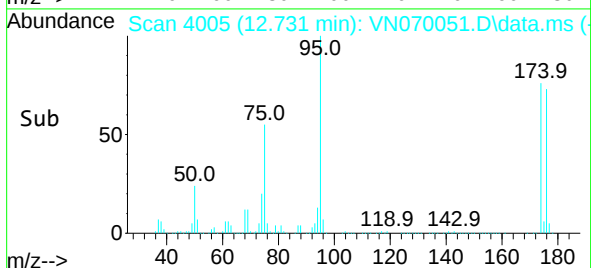
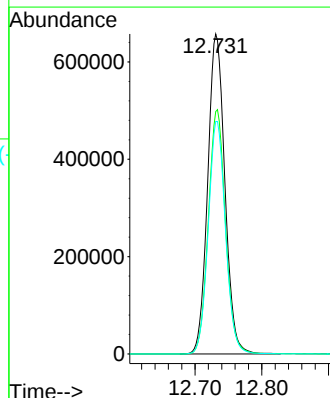
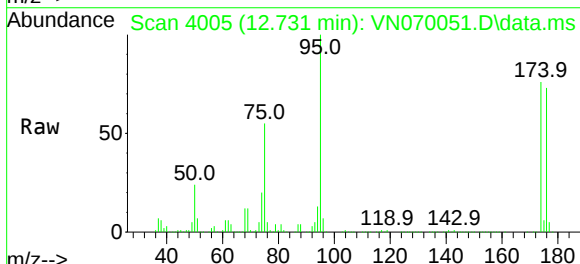
Instrument :
MSVOA_N
ClientSampleId :

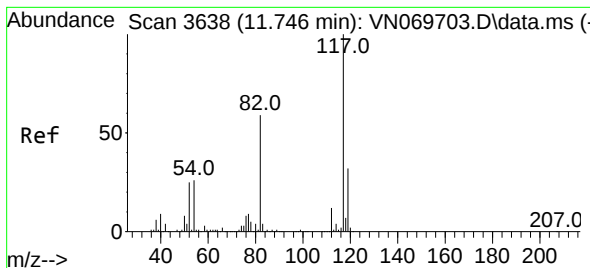
Tgt Ion:129 Resp: 128
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 63.930 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Tgt Ion: 95 Resp: 1175252
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 72.8 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.002 min

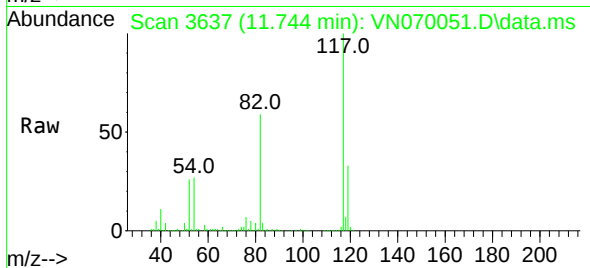
Lab File: VN070051.D

Acq: 14 Dec 2021 00:33

Instrument :

MSVOA_N

ClientSampleId :



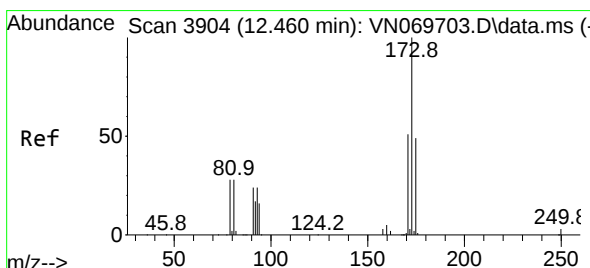
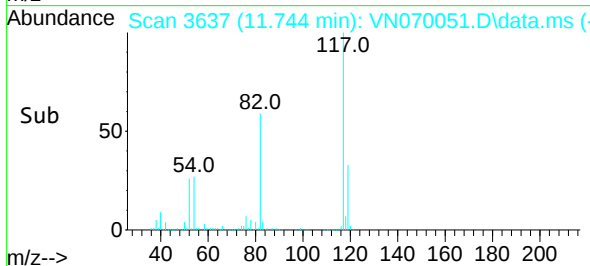
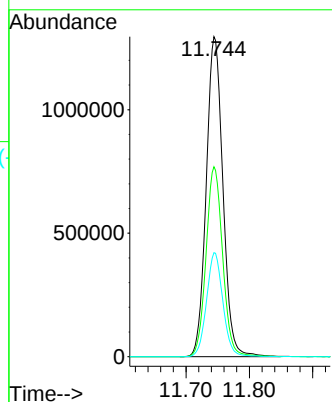
Tgt Ion:117 Resp: 2364969

Ion Ratio Lower Upper

117 100

82 59.4 42.4 63.6

119 32.5 25.4 38.2



#71

Bromoform

Concen: 2.774 ug/l

RT: 12.712 min Scan# 3998

Delta R.T. 0.252 min

Lab File: VN070051.D

Acq: 14 Dec 2021 00:33

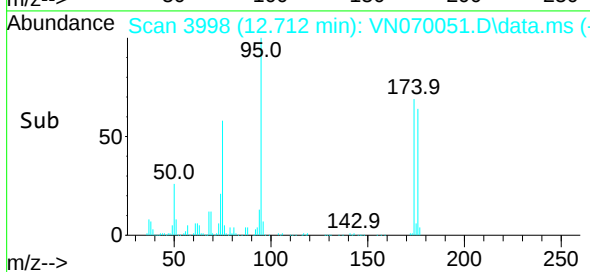
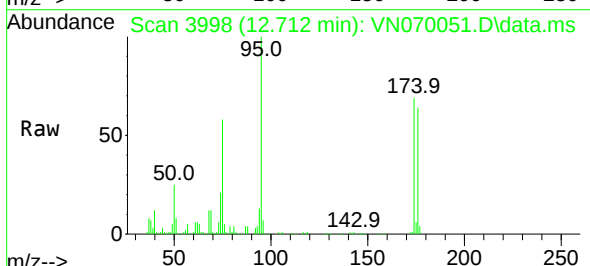
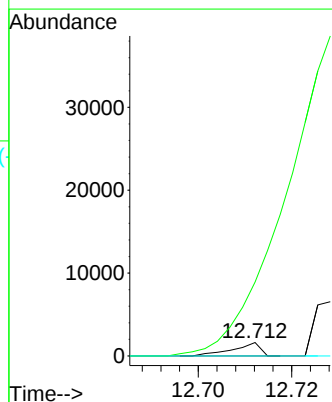
Tgt Ion:173 Resp: 653

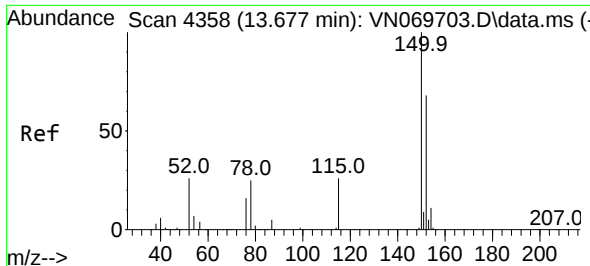
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

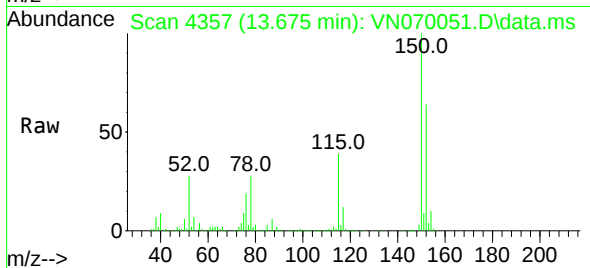
254 0.0 0.0 0.0



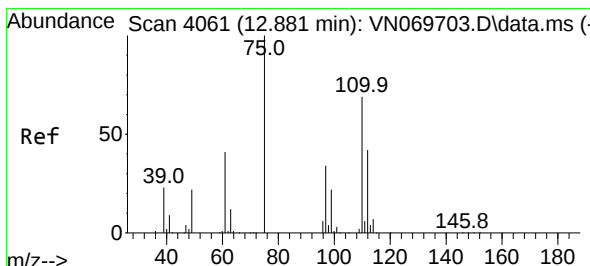
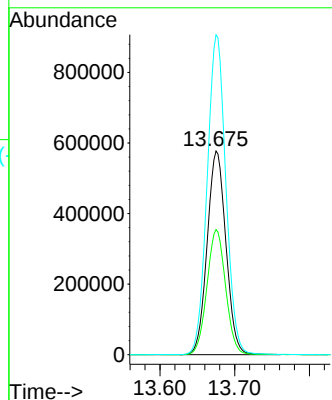
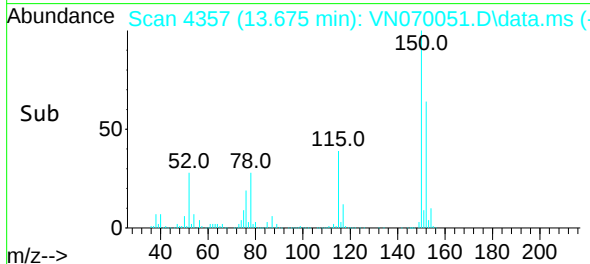


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Instrument :
MSVOA_N
ClientSampleId :

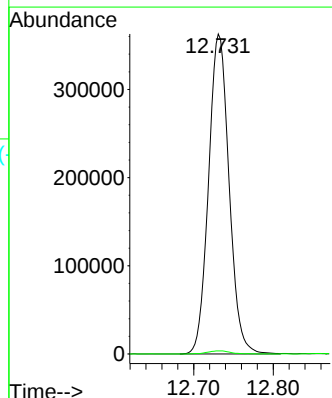
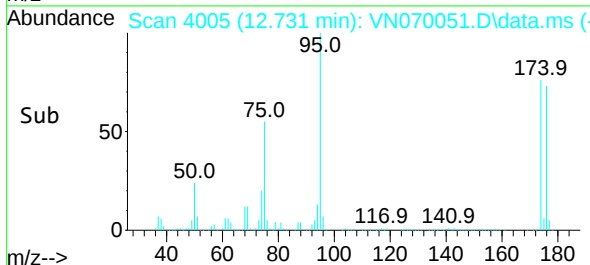
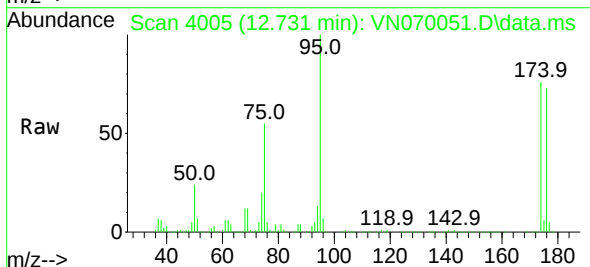


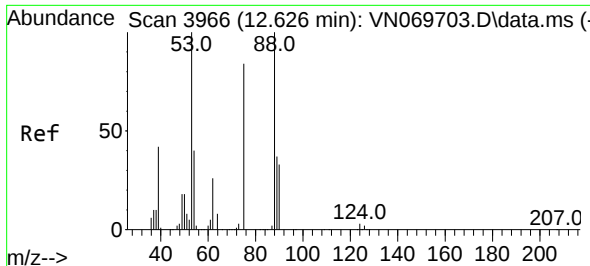
Tgt Ion:152 Resp: 1005836
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 156.5 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 22.533 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

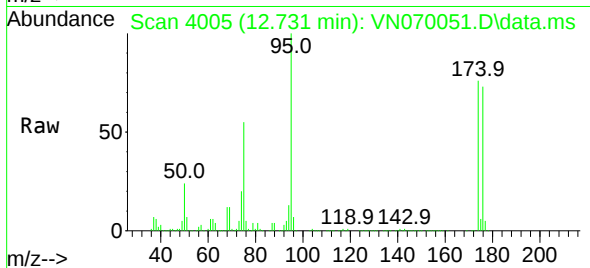
Tgt Ion: 75 Resp: 649974
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



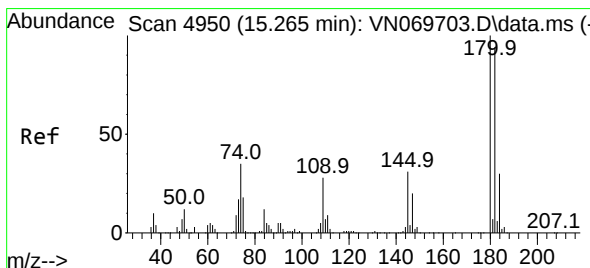
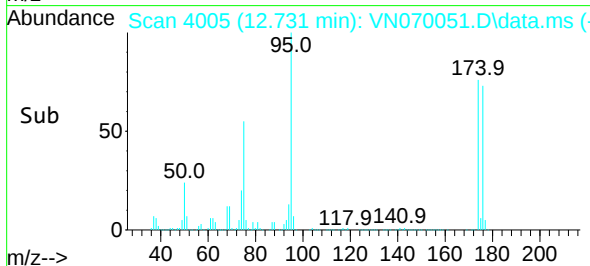
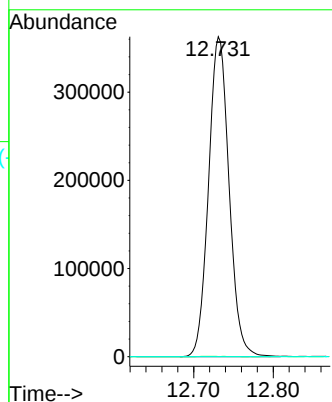


#81
trans-1,4-Dichloro-2-butene
Concen: 71.820 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Instrument :
MSVOA_N
ClientSampleId :

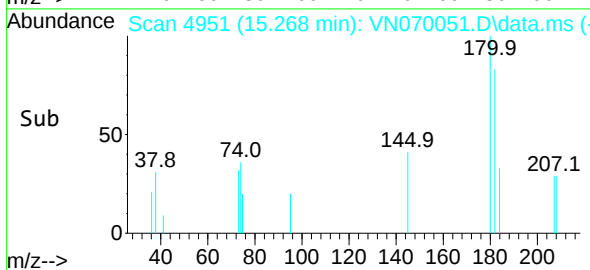
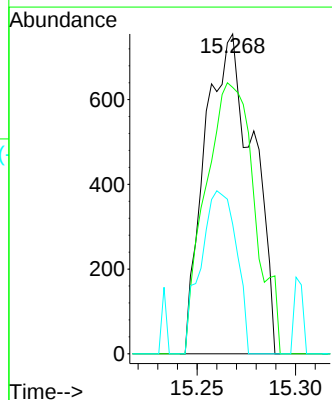
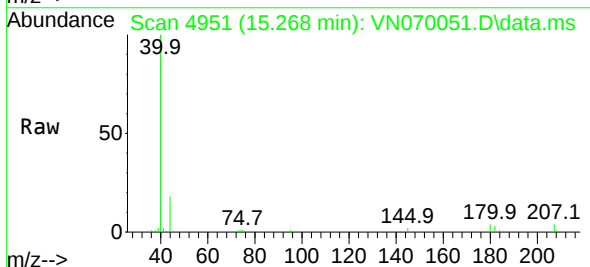


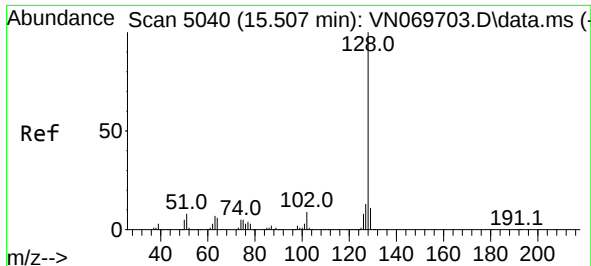
Tgt Ion: 75 Resp: 649974
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.951 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

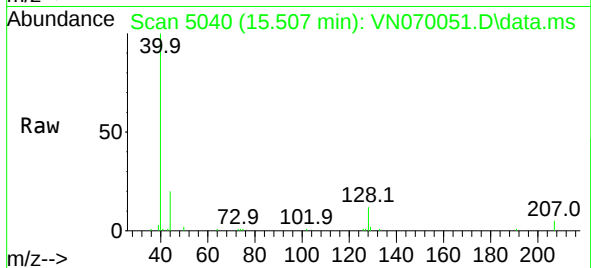
Tgt Ion: 180 Resp: 1281
Ion Ratio Lower Upper
180 100
182 86.4 48.3 144.9
145 37.8 14.5 43.5



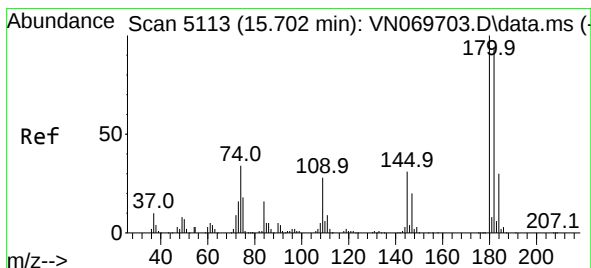
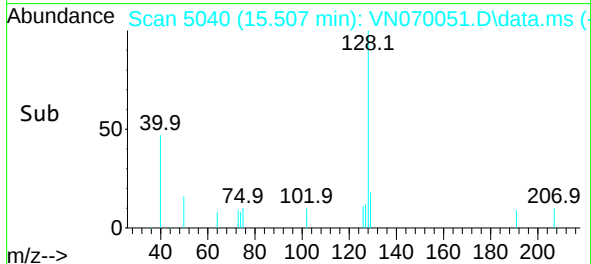
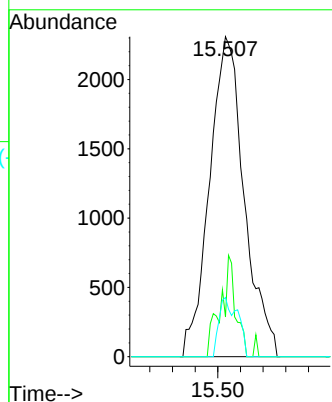


#95
Naphthalene
Concen: 4.077 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 4902
Ion Ratio Lower Upper
128 100
127 13.9 10.5 15.7
129 6.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.513 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN070051.D
Acq: 14 Dec 2021 00:33

Tgt Ion:180 Resp: 1306
Ion Ratio Lower Upper
180 100
182 96.7 47.4 142.2
145 15.2 15.0 45.1

