

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070187.D
 Acq On : 18 Dec 2021 1:59
 Operator : JC/MD
 Sample : M5128-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 06:02:35 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

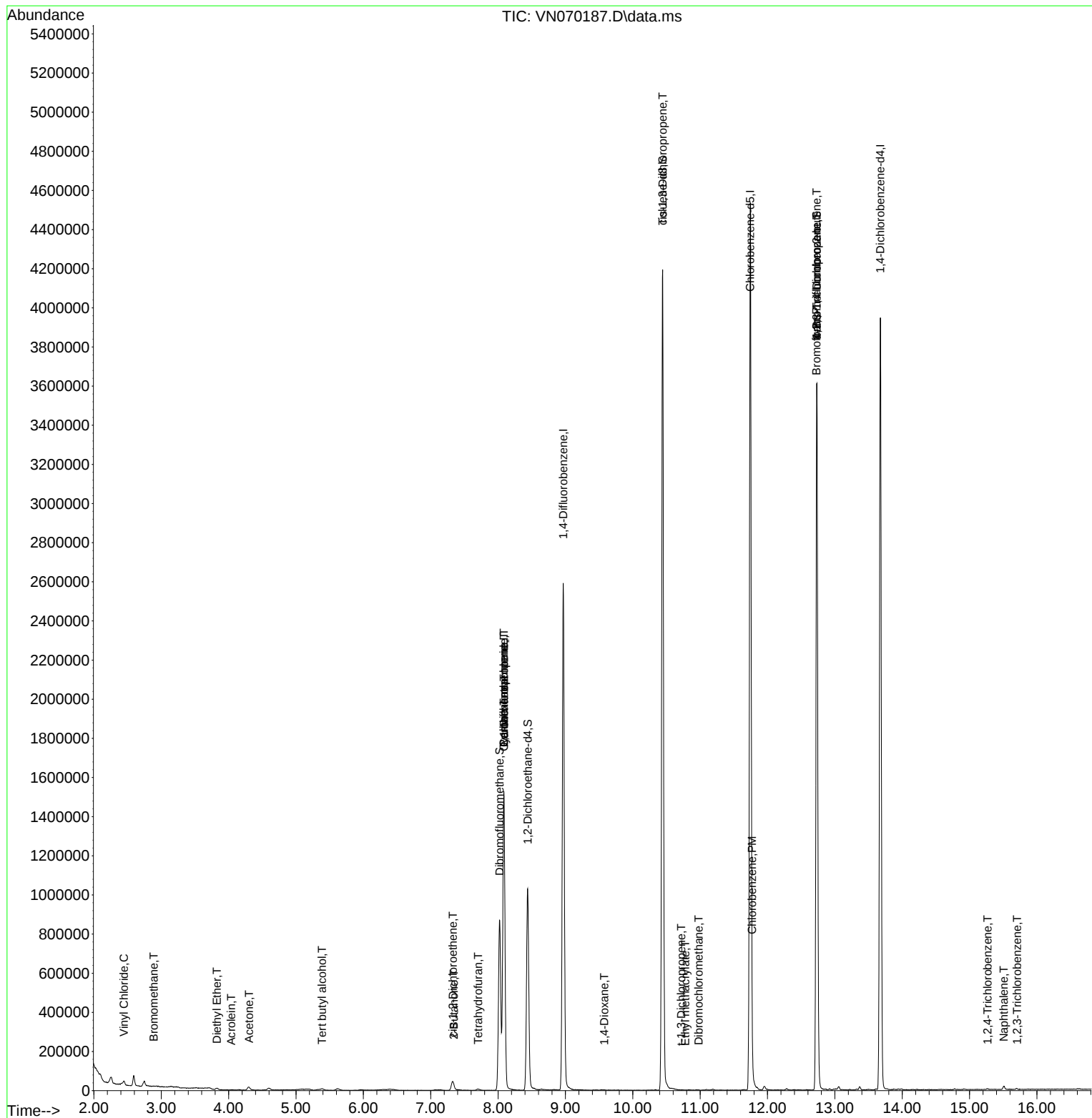
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1133029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2161021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2543396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1065415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	898098	51.338	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.680%	
35) Dibromofluoromethane	8.021	113	633168	46.776	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.560%	
50) Toluene-d8	10.443	98	2840886	52.268	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.540%	
62) 4-Bromofluorobenzene	12.731	95	1289817	65.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 131.000%	
Target Compounds						Qvalue
4) Vinyl Chloride	2.445	62	14120	0.928	ug/l	100
5) Bromomethane	2.888	94	2199	0.266	ug/l	85
8) Diethyl Ether	3.824	74	4105	0.533	ug/l	61
11) Tert butyl alcohol	5.388	59	11140	3.369	ug/l #	80
13) Acrolein	4.039	56	956	0.339	ug/l #	71
16) Acetone	4.301	43	27513	2.614	ug/l	100
25) 2-Butanone	7.343	43	5920	0.414	ug/l	96
27) cis-1,2-Dichloroethene	7.329	96	13198	0.932	ug/l	94
29) Tetrahydrofuran	7.702	42	5764	0.664	ug/l #	67
31) Cyclohexane	8.088	56	28920	1.188	ug/l #	28
36) 1,1-Dichloropropene	8.086	75	96811	4.706	ug/l #	48
38) Carbon Tetrachloride	8.086	117	116505	5.775	ug/l #	16
49) 1,4-Dioxane	9.577	88	831	2.190	ug/l #	61
53) t-1,3-Dichloropropene	10.719	75	326	2.806	ug/l #	43
54) cis-1,3-Dichloropropene	10.443	75	785	2.027	ug/l #	1
56) Ethyl methacrylate	10.778	69	143	2.284	ug/l #	2
60) Dibromochloromethane	10.977	129	190	2.387	ug/l #	11
65) Chlorobenzene	11.771	112	21882	0.424	ug/l	96
71) Bromoform	12.728	173	4321	2.994	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	714201	23.375	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	714201	74.352	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1341	2.950	ug/l	97
95) Naphthalene	15.507	128	15340	4.256	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	1697	2.530	ug/l	85

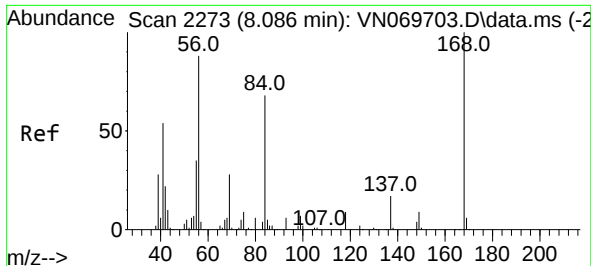
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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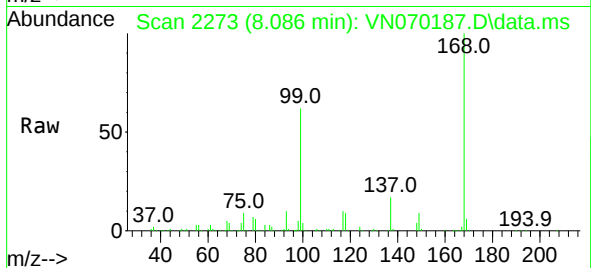
Quant Time: Dec 18 06:02:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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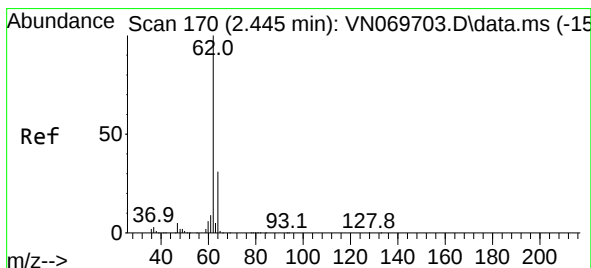
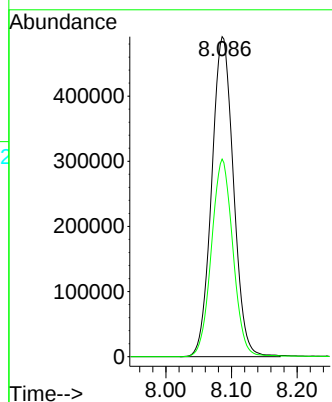
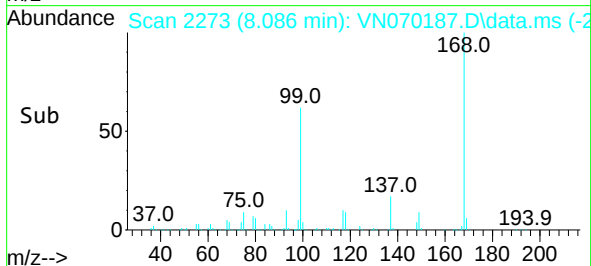


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Instrument :
MSVOA_N
ClientSampleId :

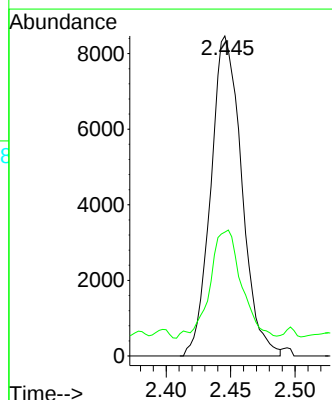
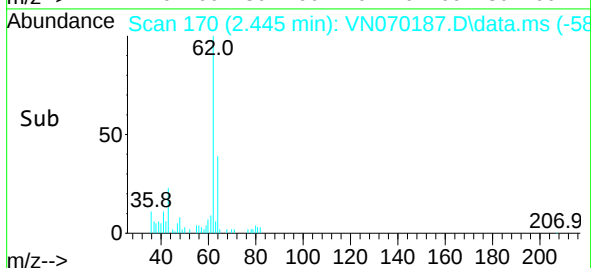
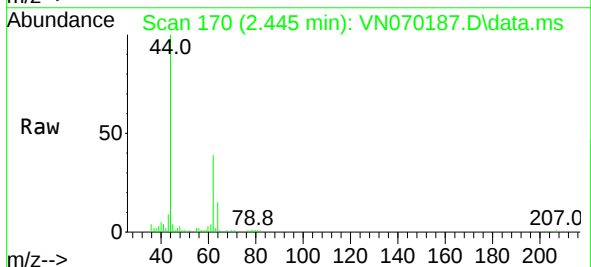


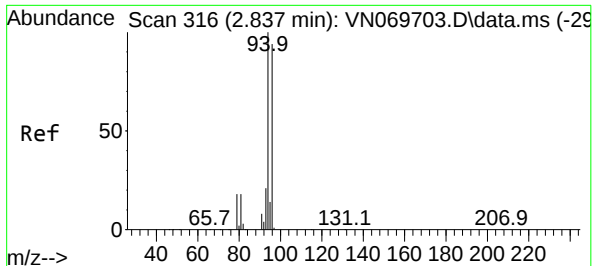
Tgt Ion:168 Resp: 1133029
Ion Ratio Lower Upper
168 100
99 61.8 41.3 61.9



#4
Vinyl Chloride
Concen: 0.928 ug/l
RT: 2.445 min Scan# 170
Delta R.T. 0.000 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Tgt Ion: 62 Resp: 14120
Ion Ratio Lower Upper
62 100
64 32.3 25.8 38.6

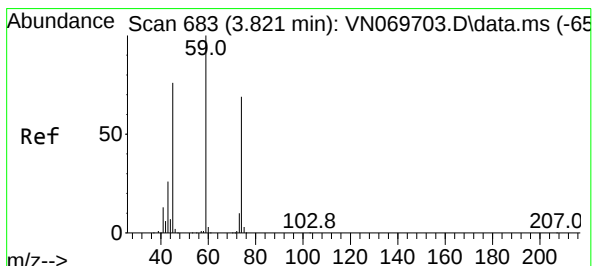
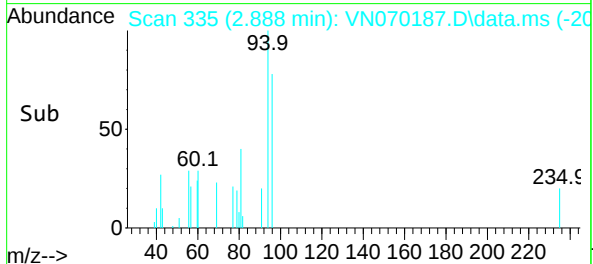
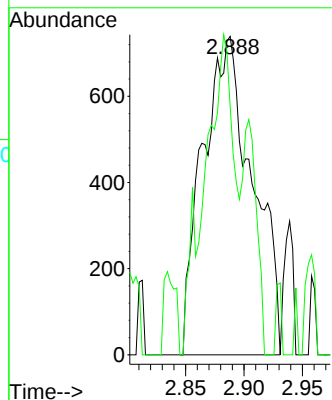
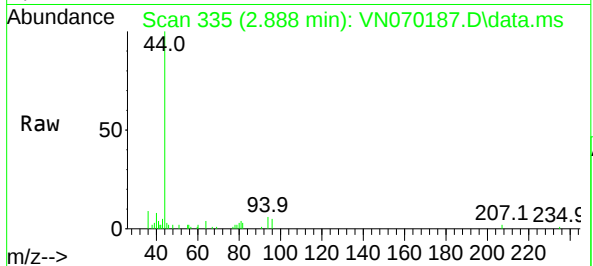




#5
Bromomethane
Concen: 0.266 ug/l
RT: 2.888 min Scan# 316
Delta R.T. 0.051 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

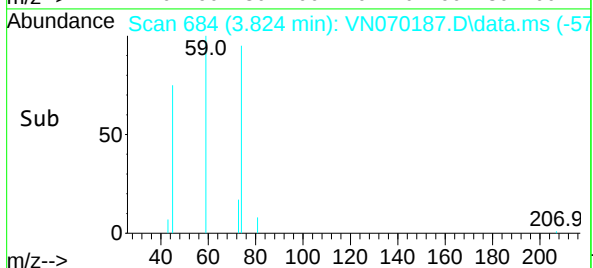
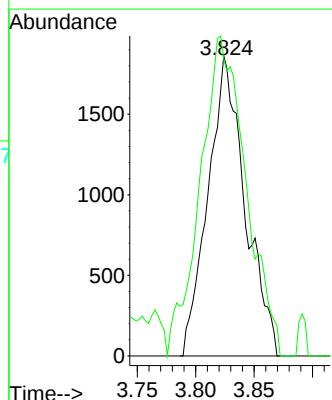
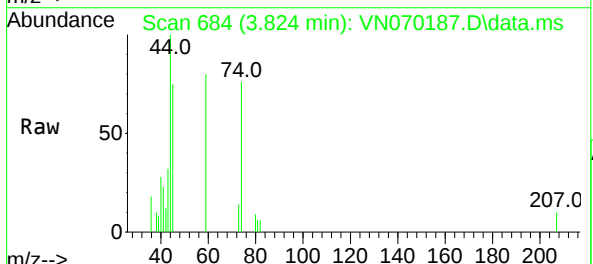
Instrument :
MSVOA_N
ClientSampleId :

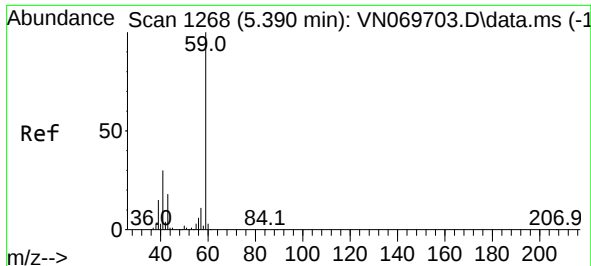
Tgt Ion: 94 Resp: 2199
Ion Ratio Lower Upper
94 100
96 78.2 73.8 110.8



#8
Diethyl Ether
Concen: 0.533 ug/l
RT: 3.824 min Scan# 684
Delta R.T. 0.003 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

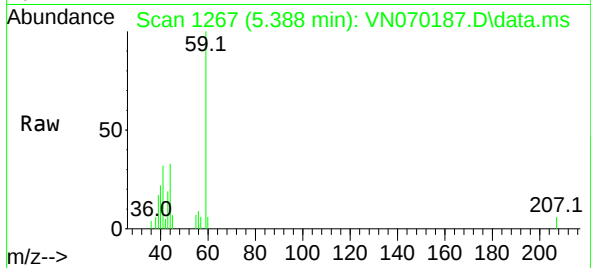
Tgt Ion: 74 Resp: 4105
Ion Ratio Lower Upper
74 100
45 131.4 47.0 141.2



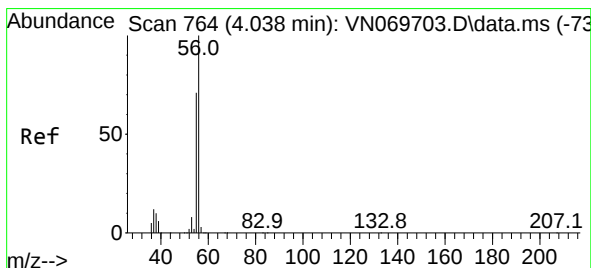
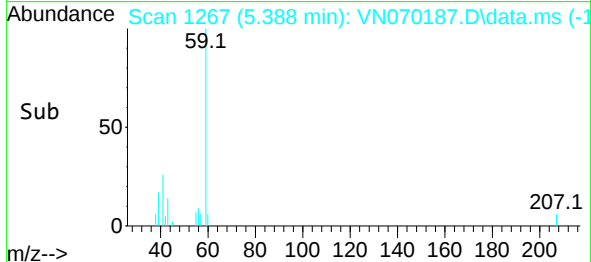
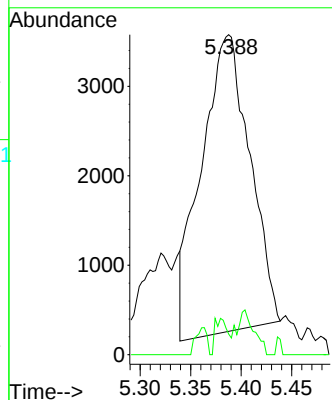


#11
Tert butyl alcohol
Concen: 3.369 ug/l
RT: 5.388 min Scan# 11
Delta R.T. -0.003 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Instrument :
MSVOA_N
ClientSampleId :

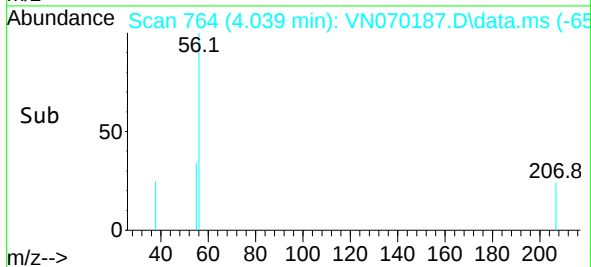
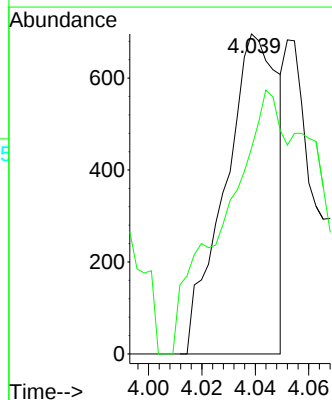
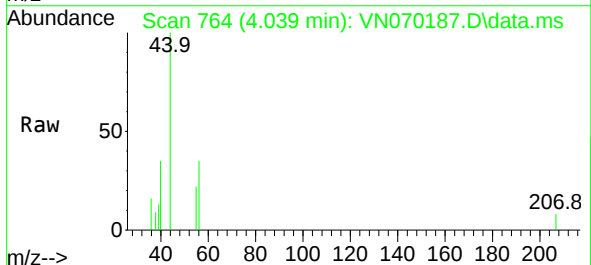


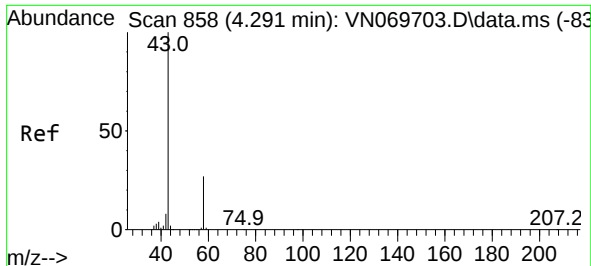
Tgt Ion: 59 Resp: 11140
Ion Ratio Lower Upper
59 100
57 3.2 8.7 13.1#



#13
Acrolein
Concen: 0.339 ug/l
RT: 4.039 min Scan# 764
Delta R.T. 0.000 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Tgt Ion: 56 Resp: 956
Ion Ratio Lower Upper
56 100
55 95.0 56.6 85.0#

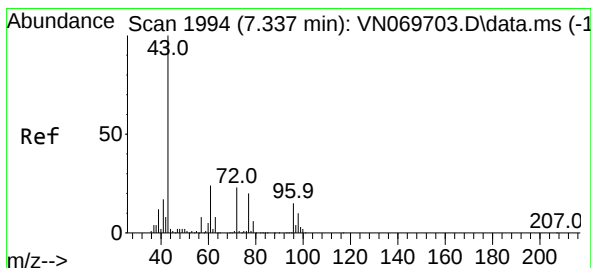
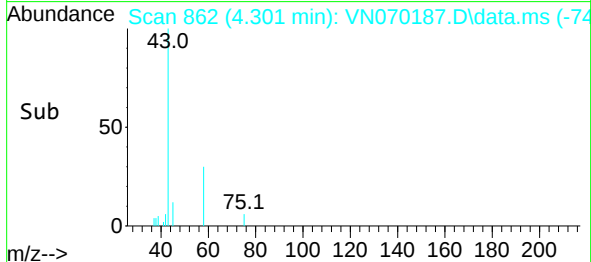
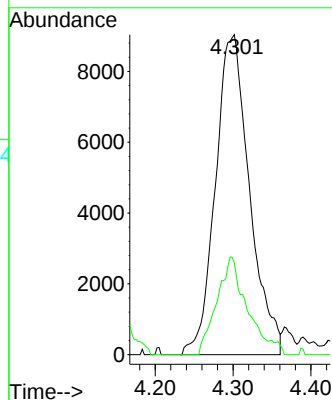
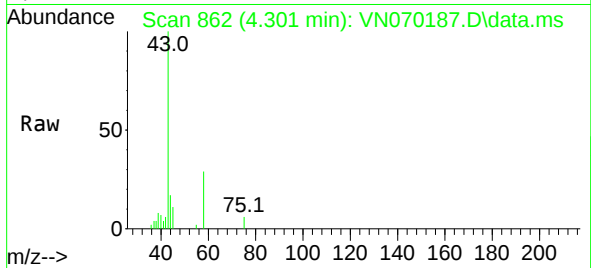




#16
Acetone
Concen: 2.614 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

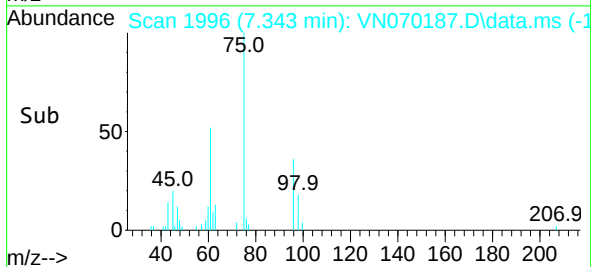
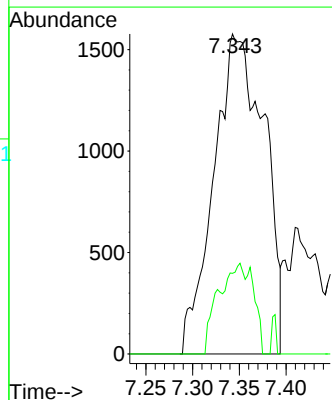
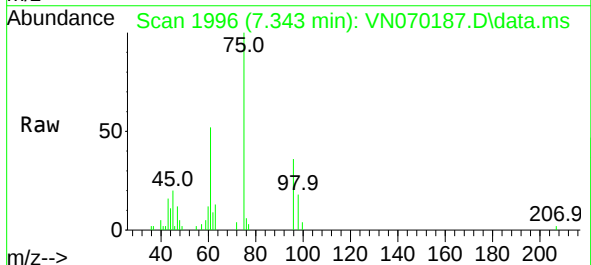
Instrument :
MSVOA_N
ClientSampleId :

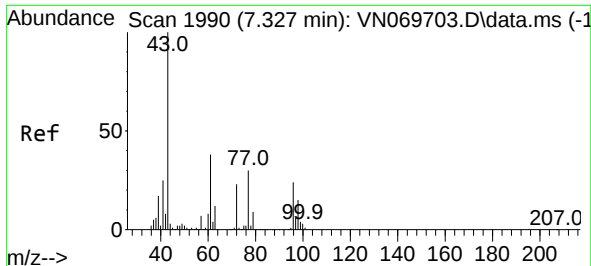
Tgt Ion: 43 Resp: 27513
Ion Ratio Lower Upper
43 100
58 28.8 23.1 34.7



#25
2-Butanone
Concen: 0.414 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Tgt Ion: 43 Resp: 5920
Ion Ratio Lower Upper
43 100
72 25.2 21.7 32.5





#27

cis-1,2-Dichloroethene

Concen: 0.932 ug/l

RT: 7.329 min Scan# 1990

Delta R.T. 0.003 min

Lab File: VN070187.D

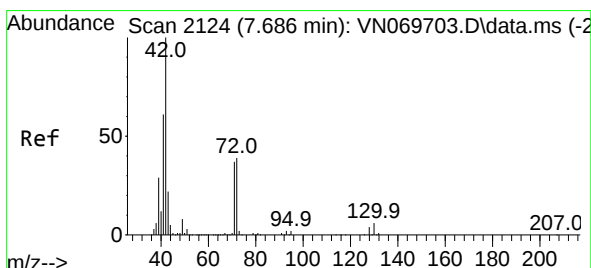
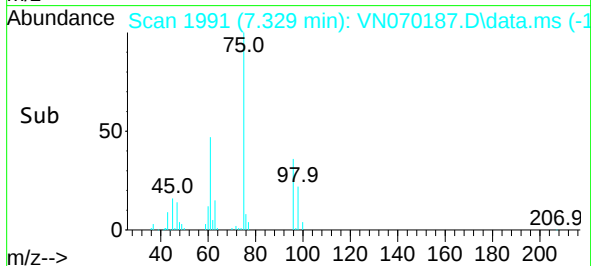
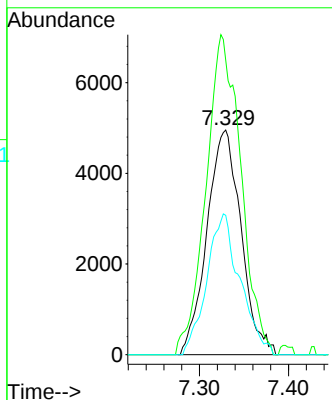
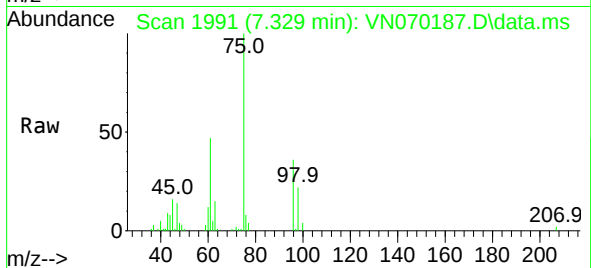
Acq: 18 Dec 2021 1:59

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	96	Resp:	13198
Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	275.0
98	61.2	0.0	129.6



#29

Tetrahydrofuran

Concen: 0.664 ug/l

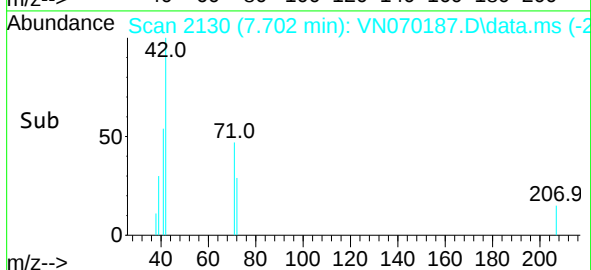
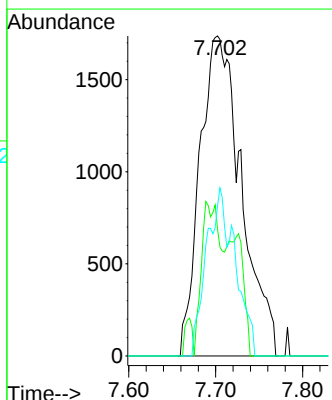
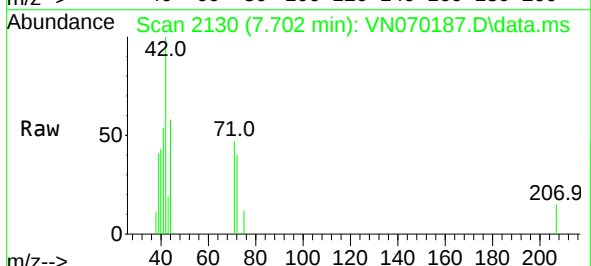
RT: 7.702 min Scan# 2130

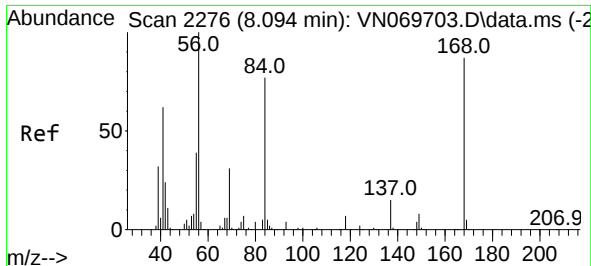
Delta R.T. 0.016 min

Lab File: VN070187.D

Acq: 18 Dec 2021 1:59

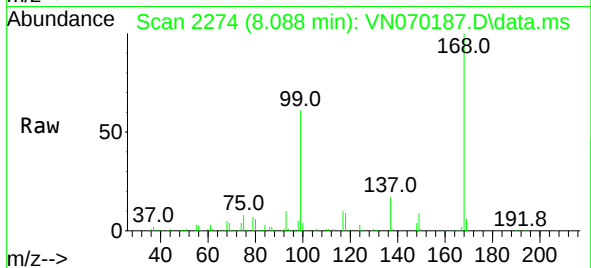
Tgt Ion:	42	Resp:	5764
Ion	Ratio	Lower	Upper
42	100		
72	22.6	36.3	54.5#
71	24.0	34.7	52.1#



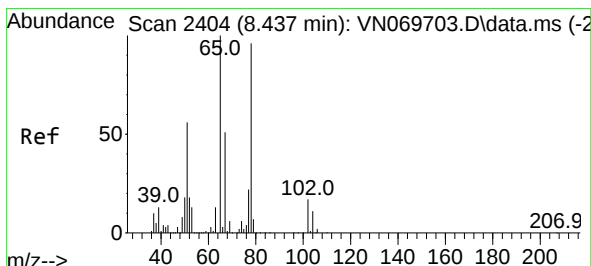
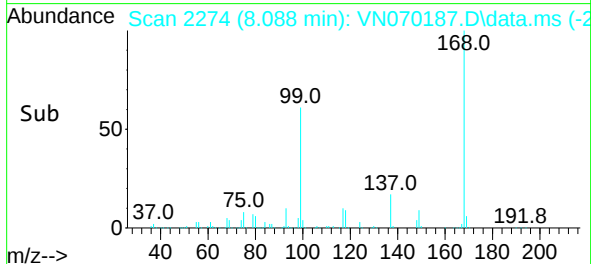
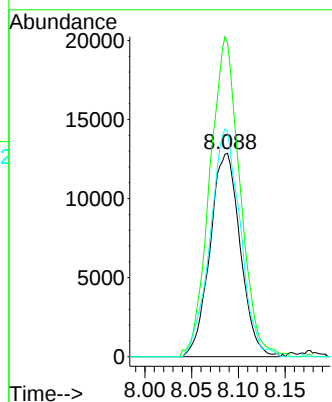


#31
Cyclohexane
Concen: 1.188 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.005 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Instrument :
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ClientSampleId :

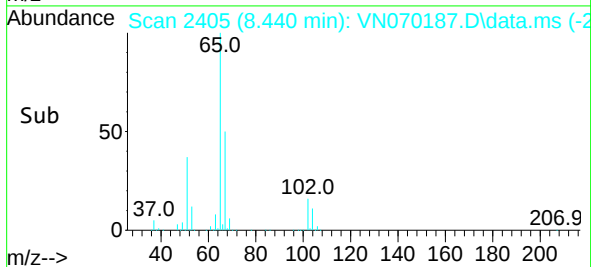
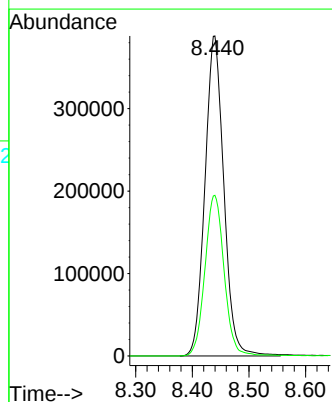
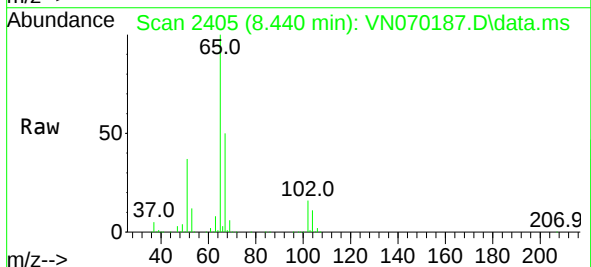


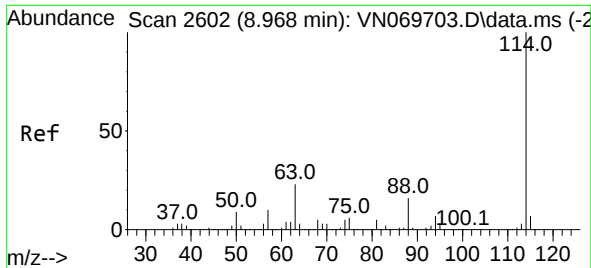
Tgt Ion: 56 Resp: 28920
Ion Ratio Lower Upper
56 100
69 154.4 27.1 40.7#
84 110.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.338 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Tgt Ion: 65 Resp: 898098
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

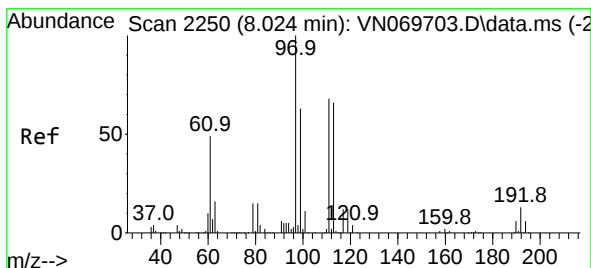
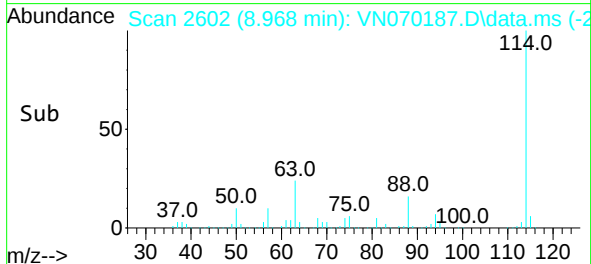
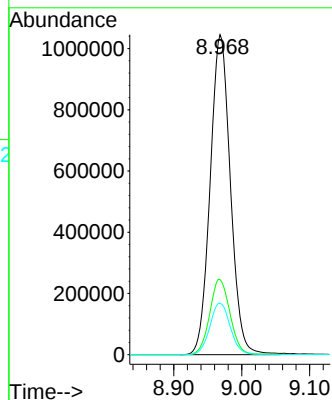
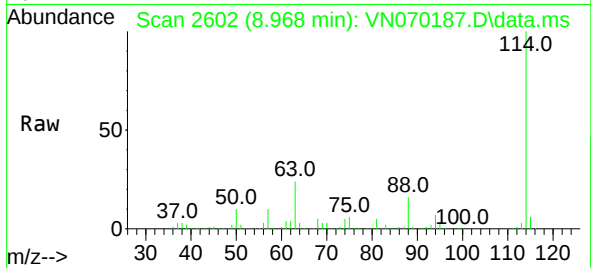




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2161021
Delta R.T. 0.000 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

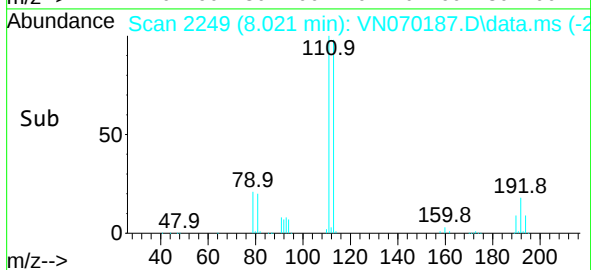
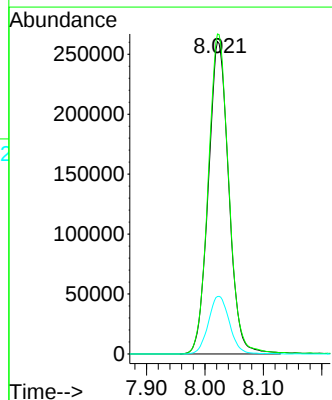
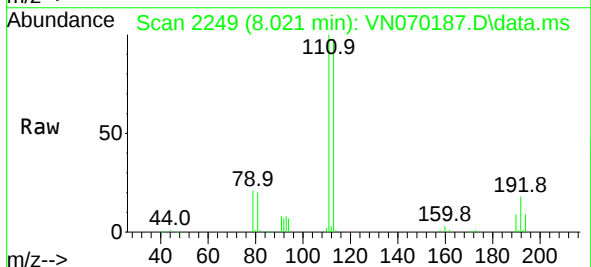
Instrument :
MSVOA_N
ClientSampleId :

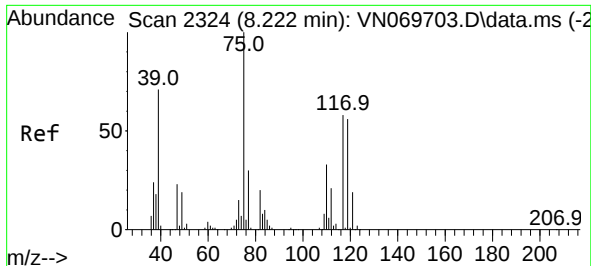
Tgt Ion:114 Resp: 2161021
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.776 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Tgt Ion:113 Resp: 633168
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.0 16.9 25.3

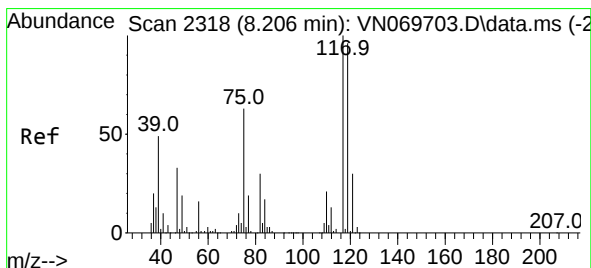
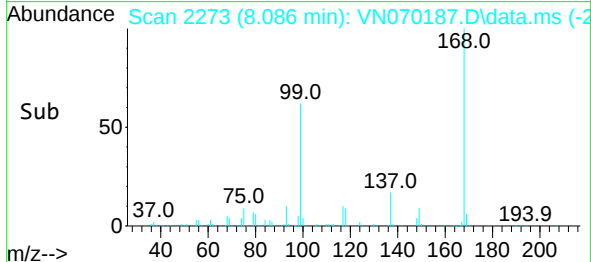
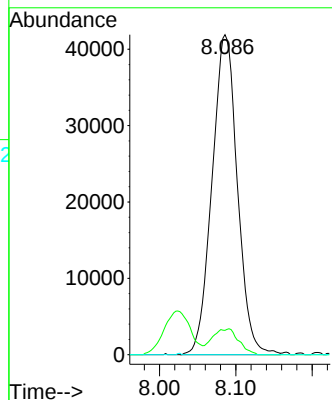
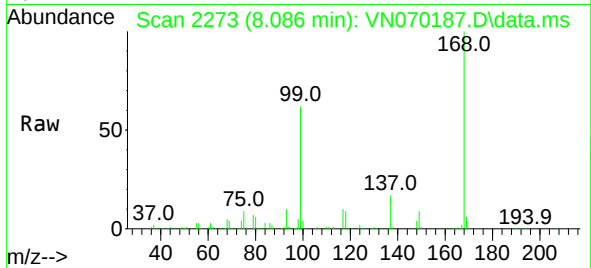




#36
 1,1-Dichloropropene
 Concen: 4.706 ug/l
 RT: 8.086 min Scan# 21
 Delta R.T. -0.137 min
 Lab File: VN070187.D
 Acq: 18 Dec 2021 1:59

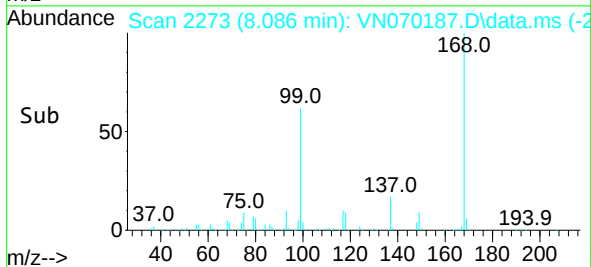
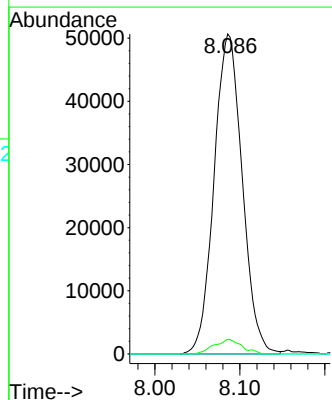
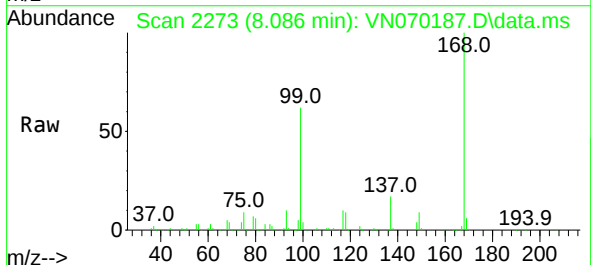
Instrument :
 MSVOA_N
 ClientSampleId :

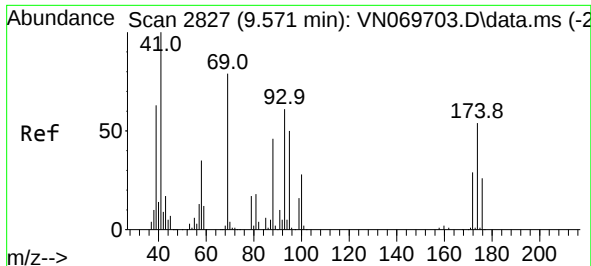
Tgt Ion: 75 Resp: 96811
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.775 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.121 min
 Lab File: VN070187.D
 Acq: 18 Dec 2021 1:59

Tgt Ion: 117 Resp: 116505
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.1 114.1#
 121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 2.190 ug/l

RT: 9.577 min Scan# 21

Delta R.T. 0.006 min

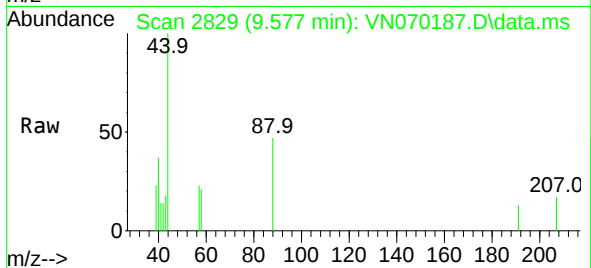
Lab File: VN070187.D

Acq: 18 Dec 2021 1:59

Instrument :

MSVOA_N

ClientSampleId :



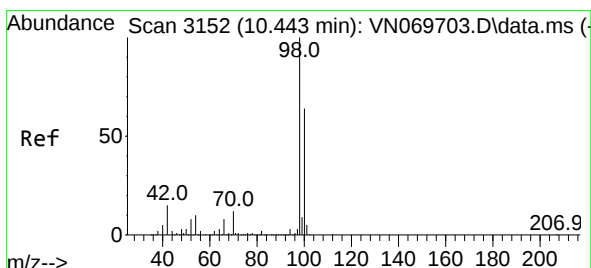
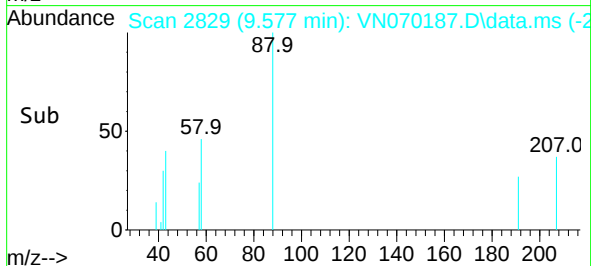
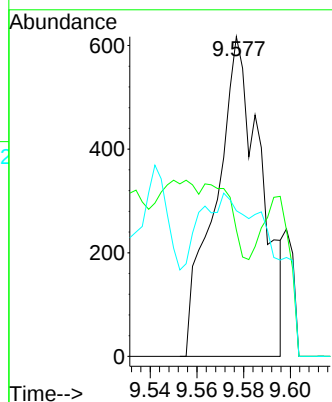
Tgt Ion: 88 Resp: 831

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 87.7 50.6 75.8#



#50

Toluene-d8

Concen: 52.268 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN070187.D

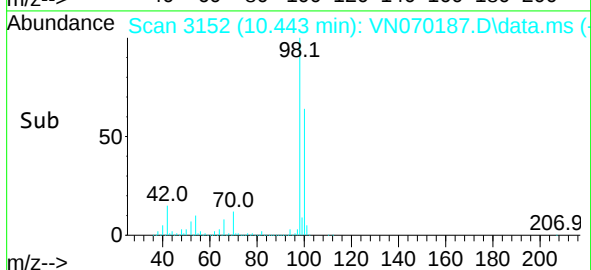
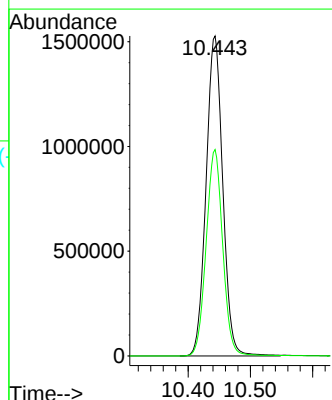
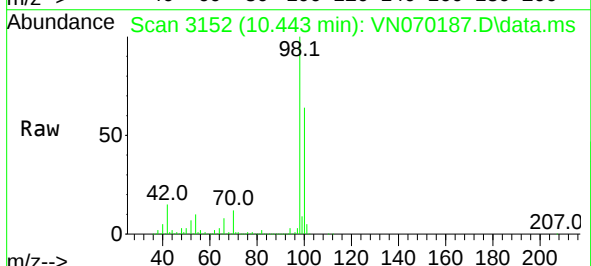
Acq: 18 Dec 2021 1:59

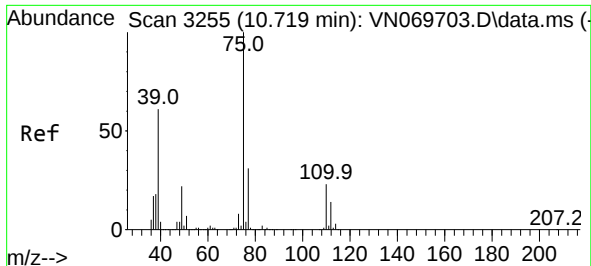
Tgt Ion: 98 Resp: 2840886

Ion Ratio Lower Upper

98 100

100 64.0 50.4 75.6

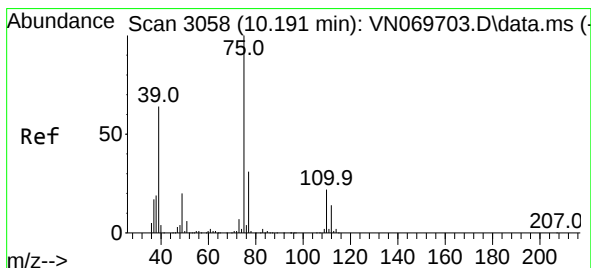
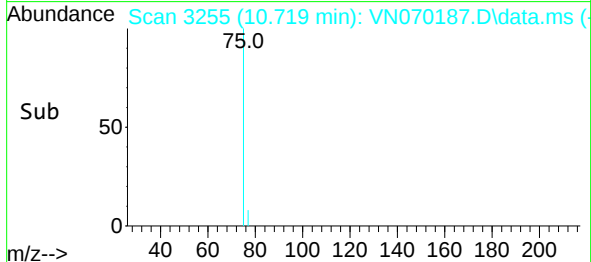
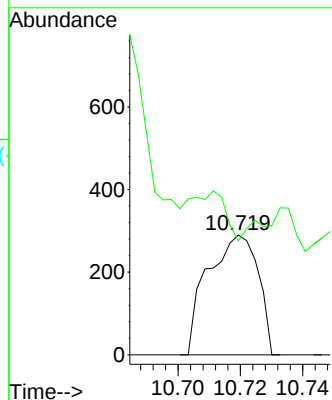
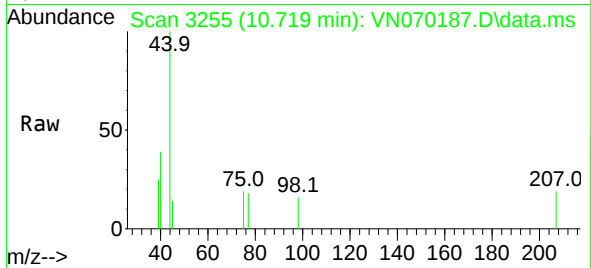




#53
t-1,3-Dichloropropene
Concen: 2.806 ug/l
RT: 10.719 min Scan# 311
Delta R.T. 0.000 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

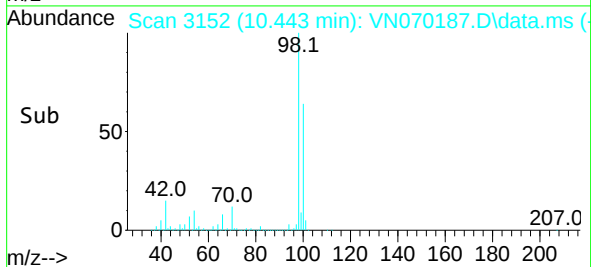
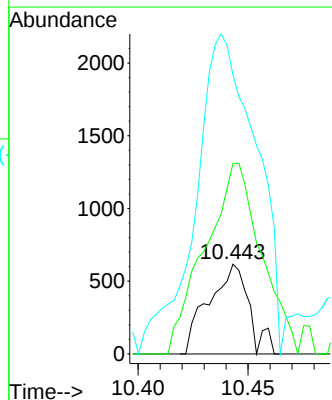
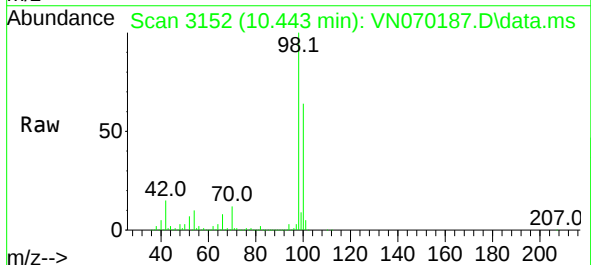
Instrument :
MSVOA_N
ClientSampleId :

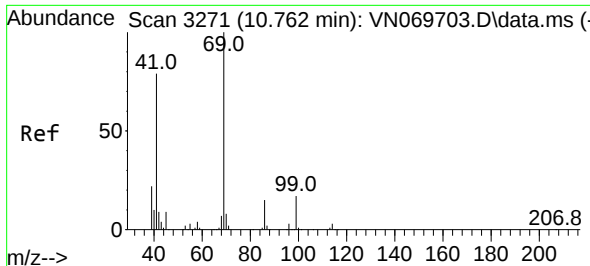
Tgt Ion: 75 Resp: 326
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.027 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.252 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Tgt Ion: 75 Resp: 785
Ion Ratio Lower Upper
75 100
77 171.3 26.4 39.6#
39 310.5 42.5 63.7#

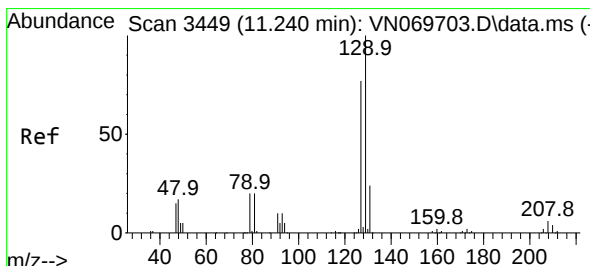
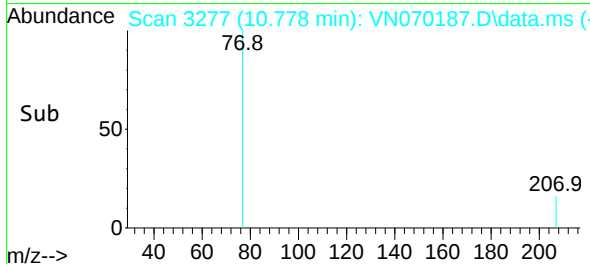
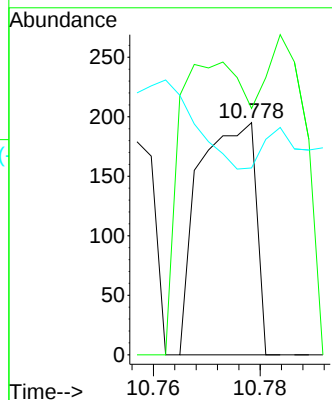
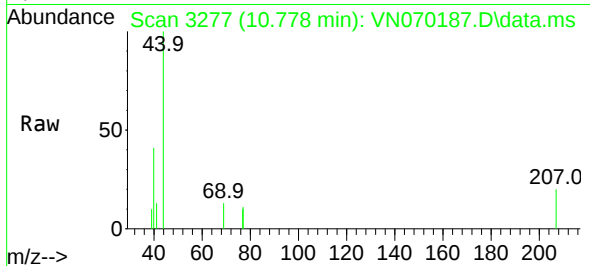




#56
Ethyl methacrylate
Concen: 2.284 ug/l
RT: 10.778 min Scan# 3351
Delta R.T. 0.016 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

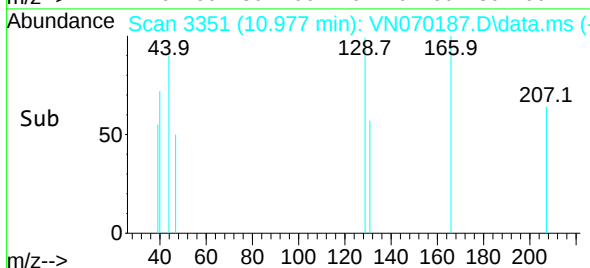
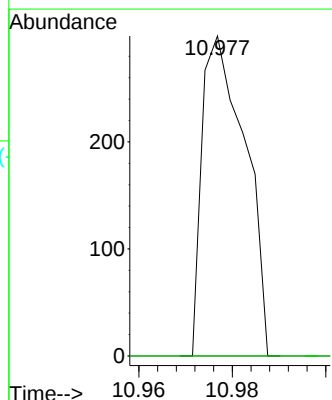
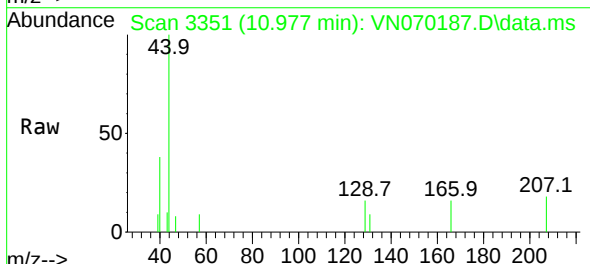
Instrument :
MSVOA_N
ClientSampleId :

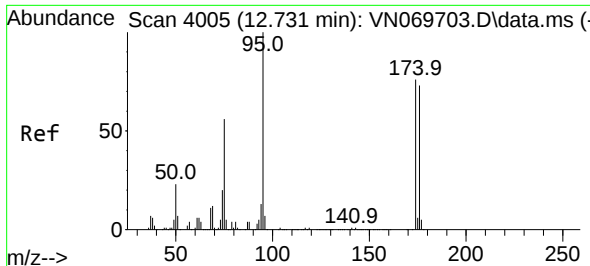
Tgt Ion: 69 Resp: 143
Ion Ratio Lower Upper
69 100
41 156.6 51.4 77.0#
39 0.0 34.6 52.0#



#60
Dibromochloromethane
Concen: 2.387 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Tgt Ion: 129 Resp: 190
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

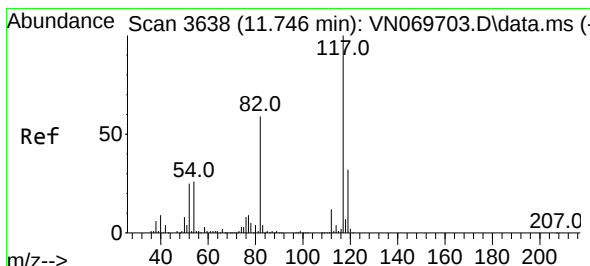
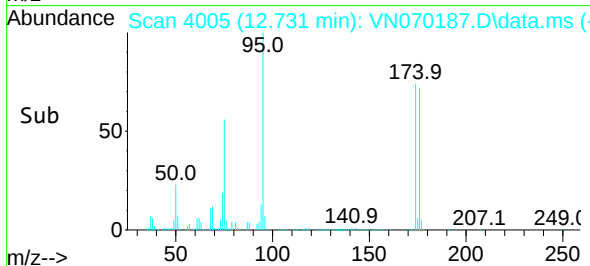
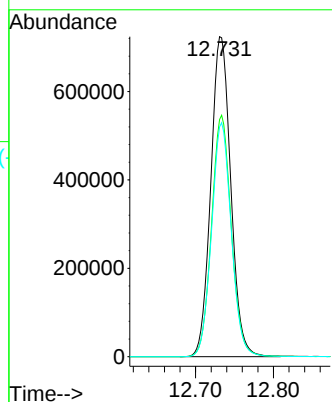
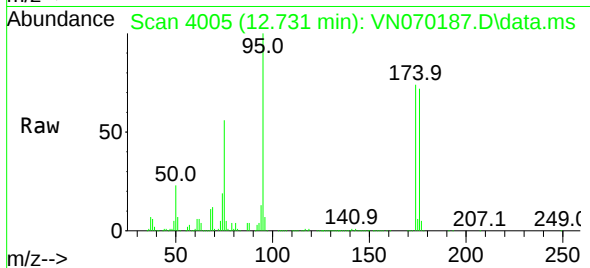




#62
4-Bromofluorobenzene
Concen: 65.504 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

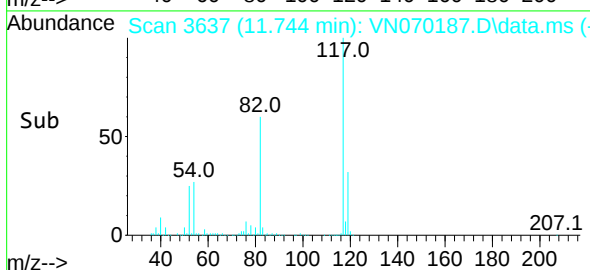
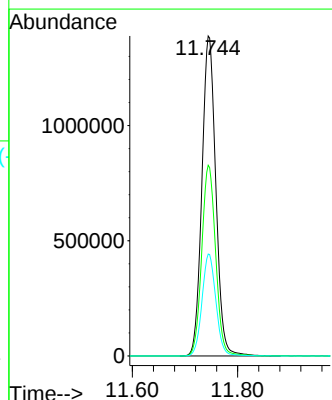
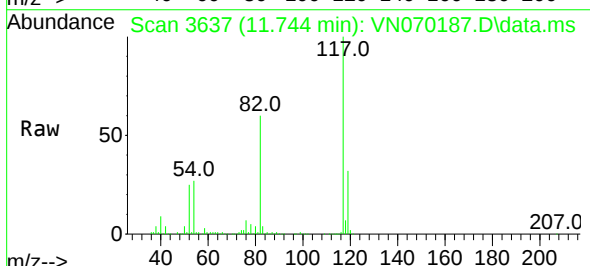
Instrument :
MSVOA_N
ClientSampleId :

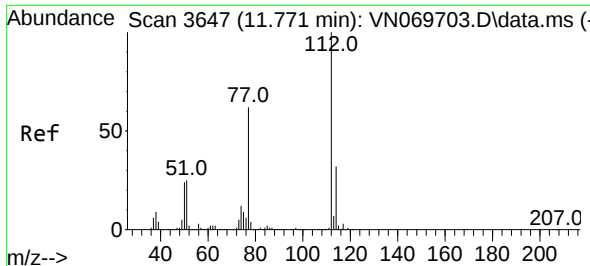
Tgt Ion: 95 Resp: 1289817
Ion Ratio Lower Upper
95 100
174 74.8 0.0 187.2
176 72.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

Tgt Ion: 117 Resp: 2543396
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.9 25.4 38.2

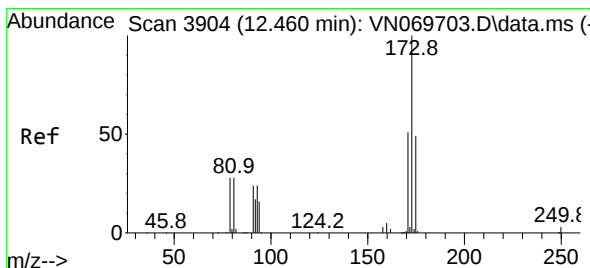
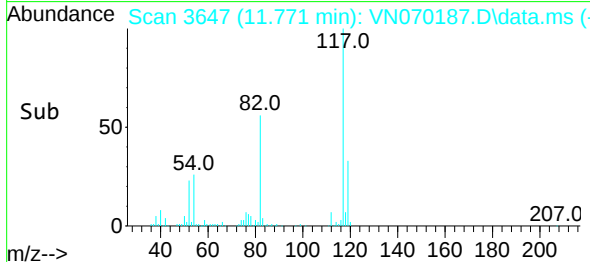
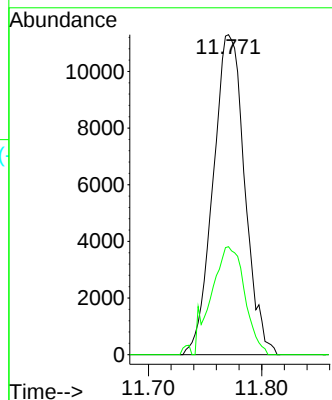
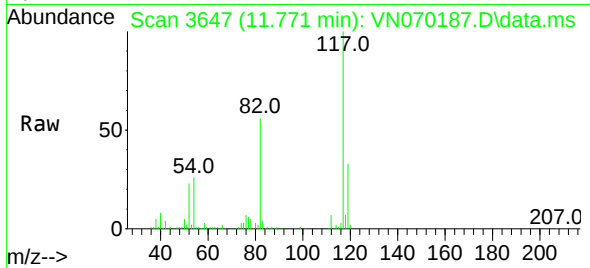




#65
Chlorobenzene
Concen: 0.424 ug/l
RT: 11.771 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

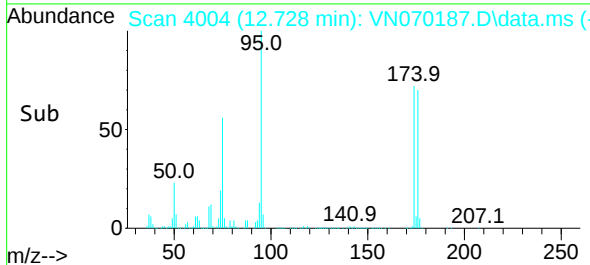
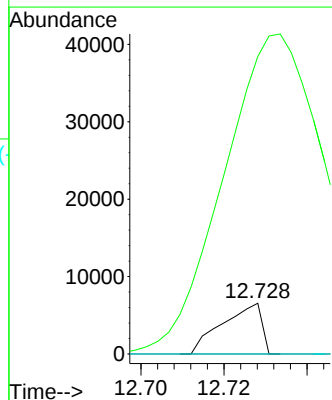
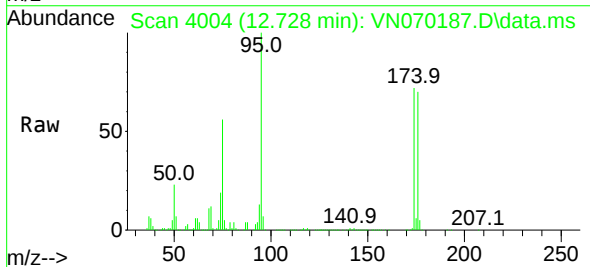
Instrument :
MSVOA_N
ClientSampleId :

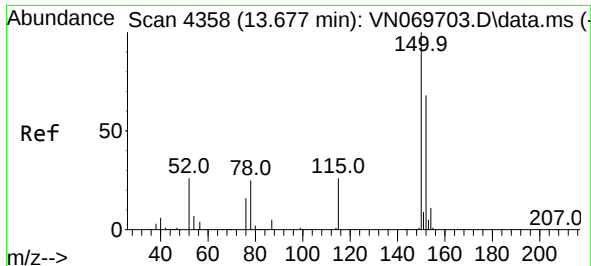
Tgt Ion:112 Resp: 21882
Ion Ratio Lower Upper
112 100
114 33.8 25.4 38.0



#71
Bromoform
Concen: 2.994 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.268 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

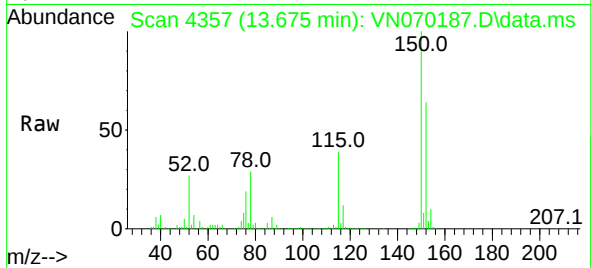
Tgt Ion:173 Resp: 4321
Ion Ratio Lower Upper
173 100
175 1566.0 24.2 72.6#
254 0.0 0.0 0.0



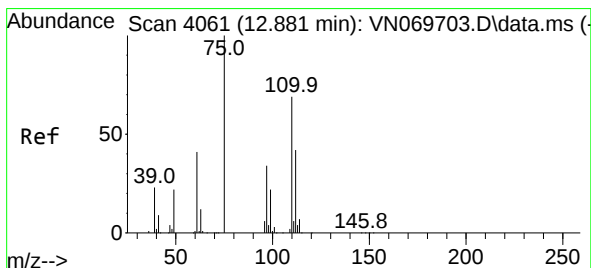
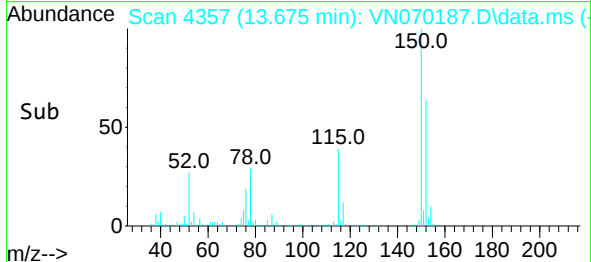
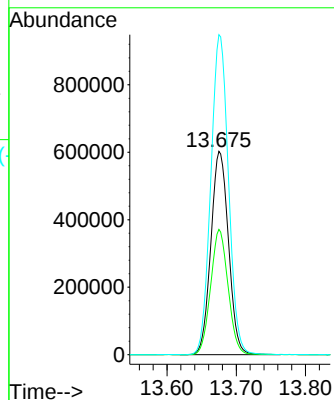


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070187.D
 Acq: 18 Dec 2021 1:59

Instrument :
 MSVOA_N
 ClientSampleId :

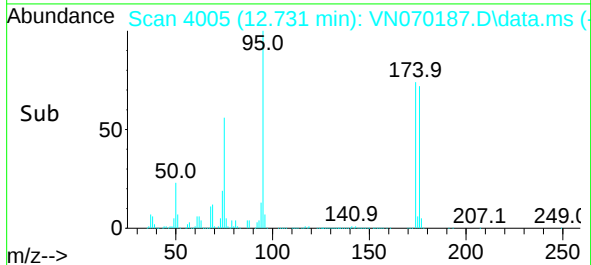
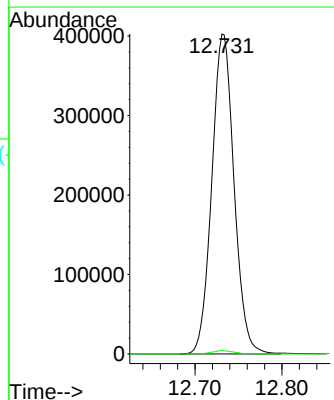
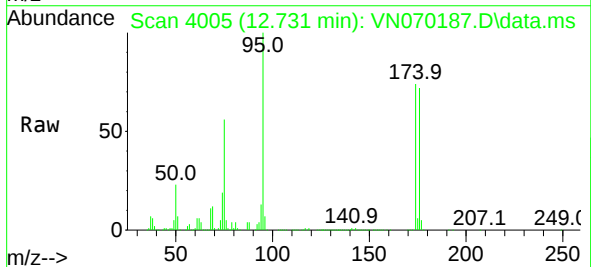


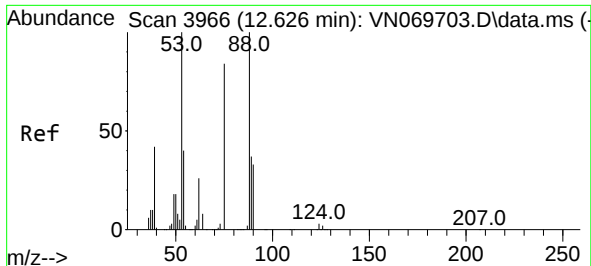
Tgt Ion:152 Resp: 1065415
 Ion Ratio Lower Upper
 152 100
 115 60.9 27.5 82.5
 150 157.6 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 23.375 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN070187.D
 Acq: 18 Dec 2021 1:59

Tgt Ion: 75 Resp: 714201
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

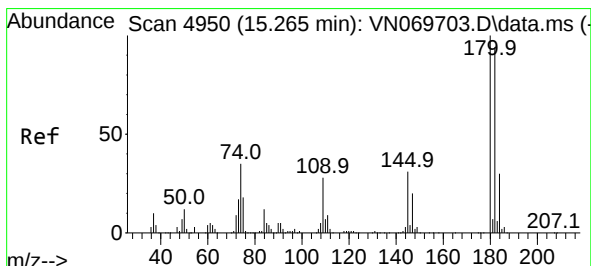
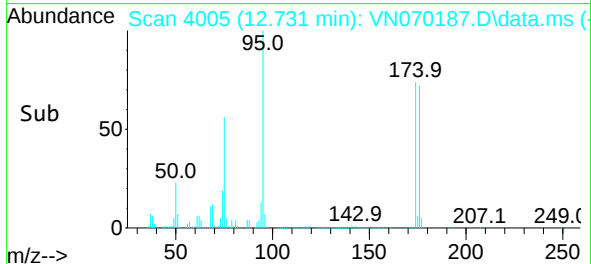
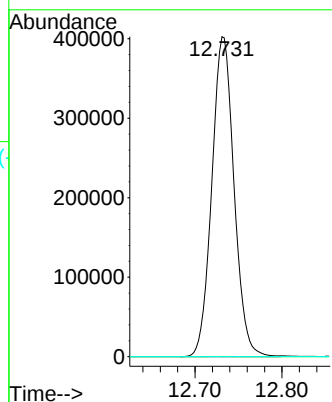
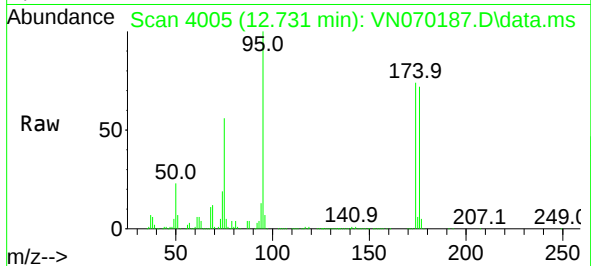




#81
trans-1,4-Dichloro-2-butene
Concen: 74.352 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

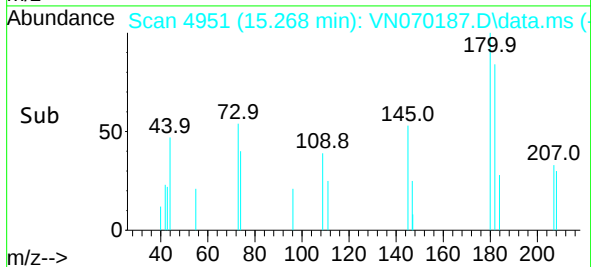
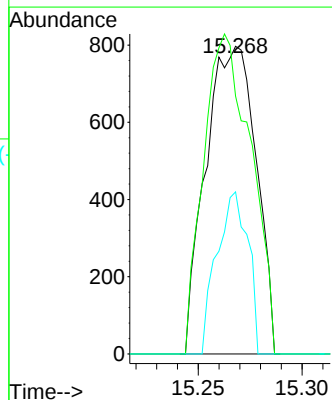
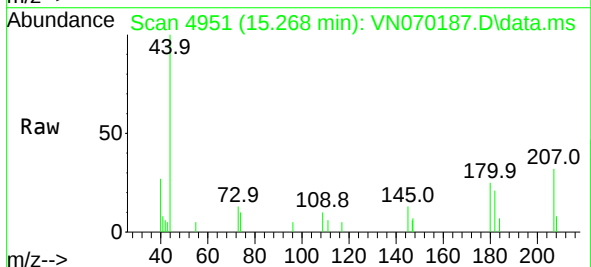
Instrument :
MSVOA_N
ClientSampleId :

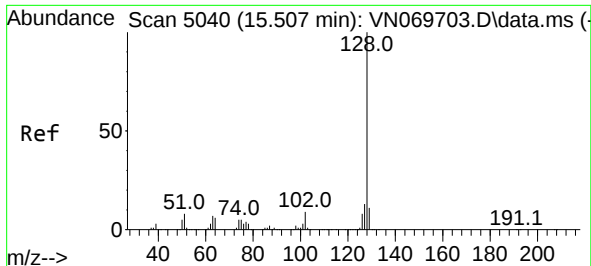
Tgt Ion: 75 Resp: 714201
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.950 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

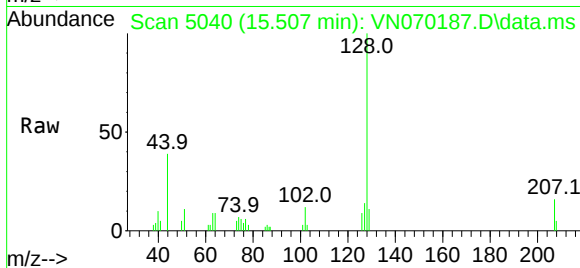
Tgt Ion:180 Resp: 1341
Ion Ratio Lower Upper
180 100
182 97.9 48.3 144.9
145 32.5 14.5 43.5



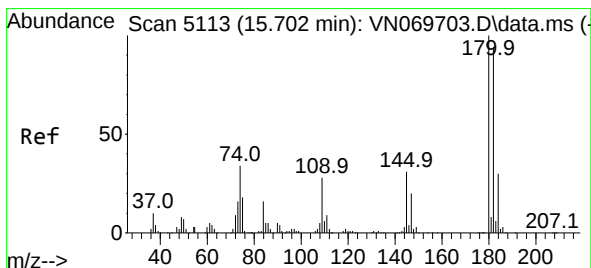
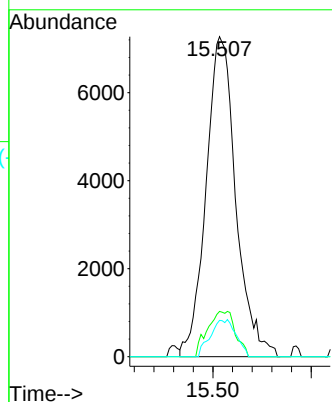
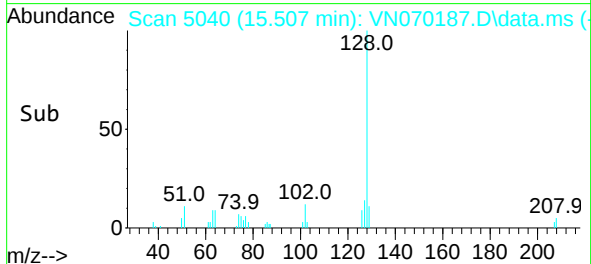


#95
Naphthalene
Concen: 4.256 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59

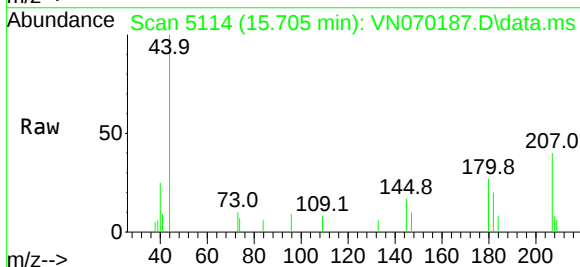
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 15340
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 9.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.530 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN070187.D
Acq: 18 Dec 2021 1:59



Tgt Ion:180 Resp: 1697
Ion Ratio Lower Upper
180 100
182 80.1 47.4 142.2
145 21.5 15.0 45.1

