

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070186.D
 Acq On : 18 Dec 2021 1:33
 Operator : JC/MD
 Sample : M5128-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 06:02:26 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)

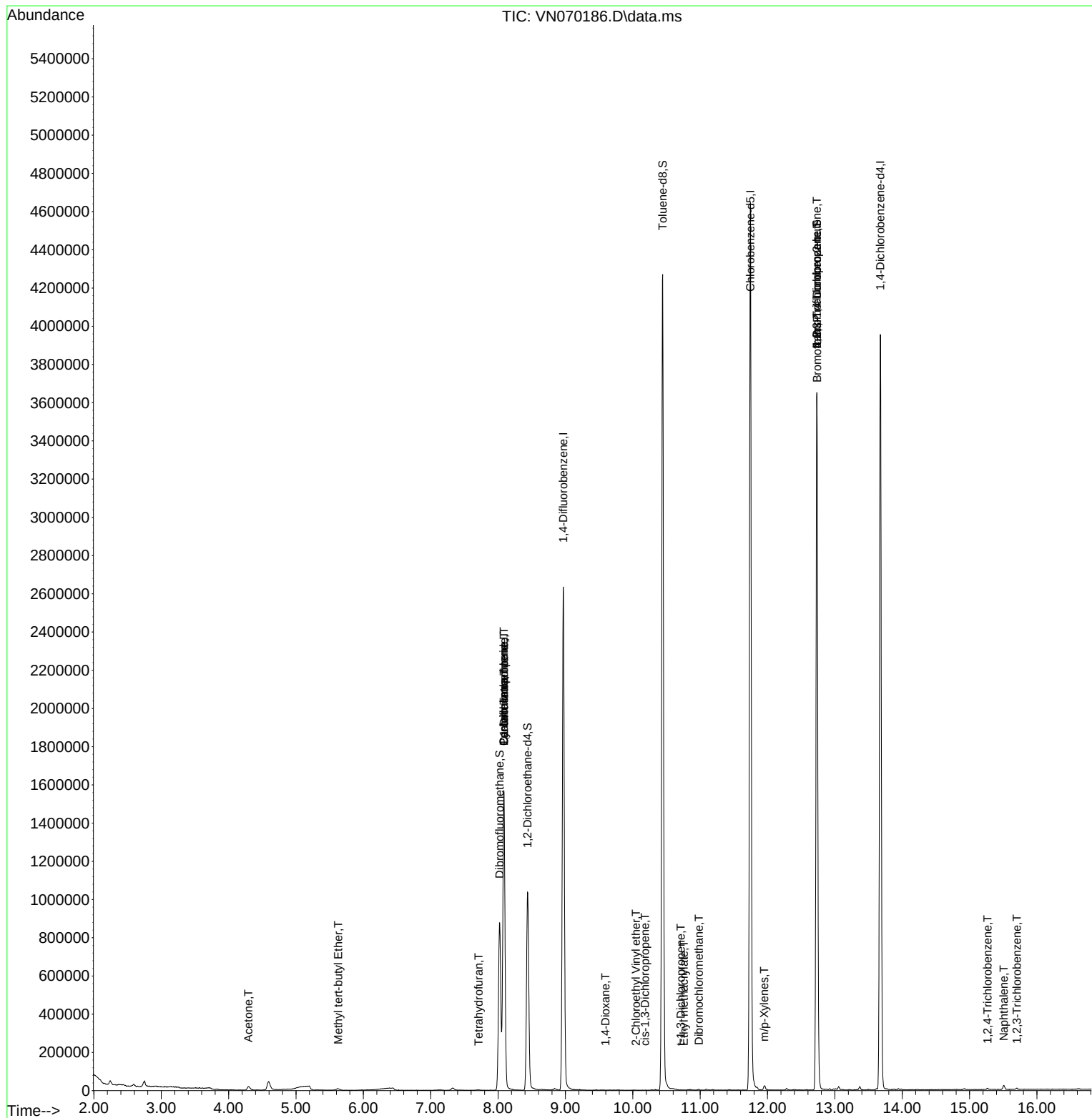
Internal Standards						
1) Pentafluorobenzene	8.086	168	1158127	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2199439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2601034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1061819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	915315	51.188	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.380%			
35) Dibromofluoromethane	8.024	113	644657	46.793	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.580%			
50) Toluene-d8	10.443	98	2919009	52.767	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.540%			
62) 4-Bromofluorobenzene	12.733	95	1291142	64.426	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 128.860%			
Target Compounds					Qvalue	
16) Acetone	4.293	43	34731	3.229	ug/l	91
19) Methyl tert-butyl Ether	5.626	73	10942	0.255	ug/l	91
29) Tetrahydrofuran	7.713	42	1912	0.215	ug/l #	55
31) Cyclohexane	8.086	56	29928	1.203	ug/l #	23
36) 1,1-Dichloropropene	8.086	75	99333	4.744	ug/l #	49
38) Carbon Tetrachloride	8.086	117	117548	5.725	ug/l #	16
49) 1,4-Dioxane	9.593	88	132	0.342	ug/l #	38
53) t-1,3-Dichloropropene	10.711	75	240	2.803	ug/l #	87
54) cis-1,3-Dichloropropene	10.183	75	60	2.001	ug/l #	59
56) Ethyl methacrylate	10.757	69	157	2.284	ug/l #	32
58) 2-Chloroethyl Vinyl ether	10.046	63	25	18.392	ug/l #	45
60) Dibromochloromethane	10.982	129	916	2.428	ug/l #	11
68) m/p-Xylenes	11.953	106	7265	0.208	ug/l	97
71) Bromoform	12.736	173	2014	2.851	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	714692	23.471	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	714692	74.638	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	2172	2.995	ug/l	95
95) Naphthalene	15.507	128	19782	4.336	ug/l	96
96) 1,2,3-Trichlorobenzene	15.702	180	2444	2.573	ug/l	90

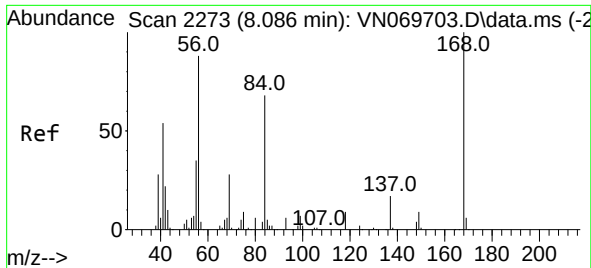
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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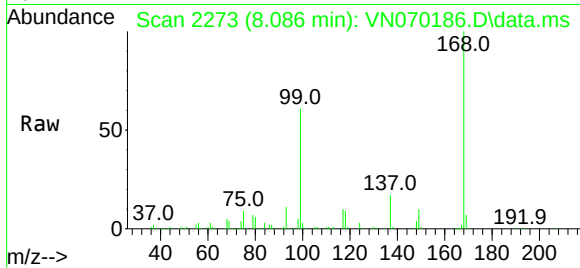
Quant Time: Dec 18 06:02:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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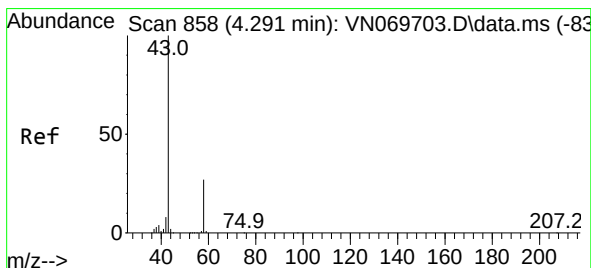
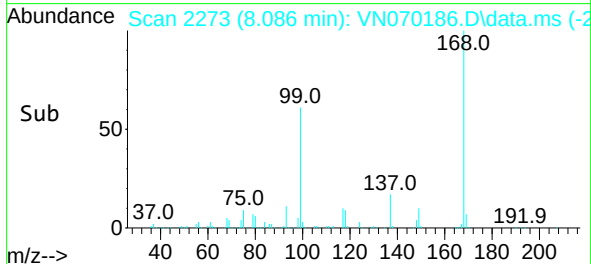
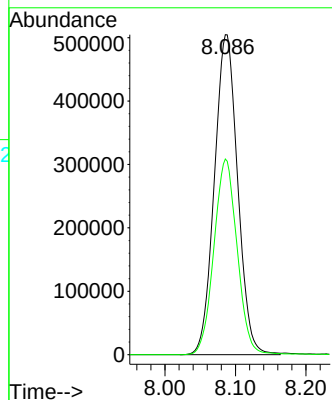


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

Instrument :
MSVOA_N
ClientSampleId :

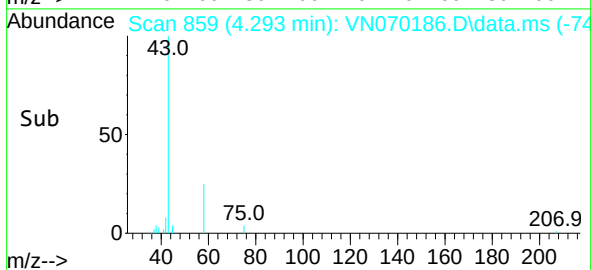
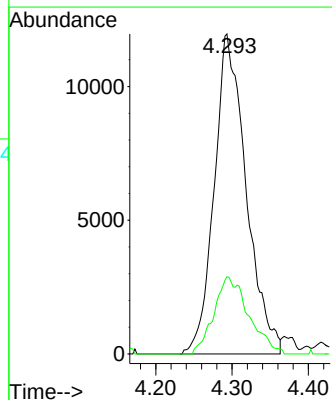
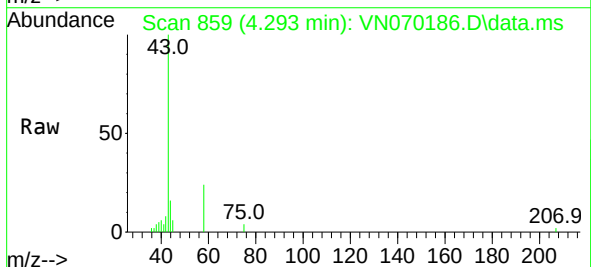


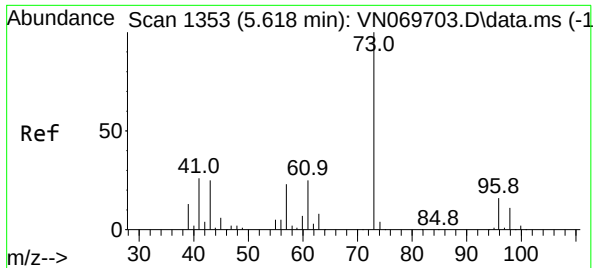
Tgt Ion:168 Resp: 1158127
Ion Ratio Lower Upper
168 100
99 61.1 41.3 61.9



#16
Acetone
Concen: 3.229 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

Tgt Ion: 43 Resp: 34731
Ion Ratio Lower Upper
43 100
58 24.1 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 0.255 ug/l

RT: 5.626 min Scan# 11

Delta R.T. 0.008 min

Lab File: VN070186.D

Acq: 18 Dec 2021 1:33

Instrument :

MSVOA_N

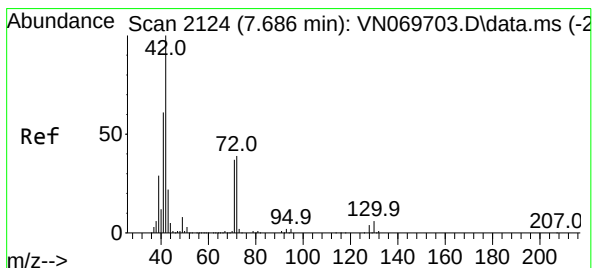
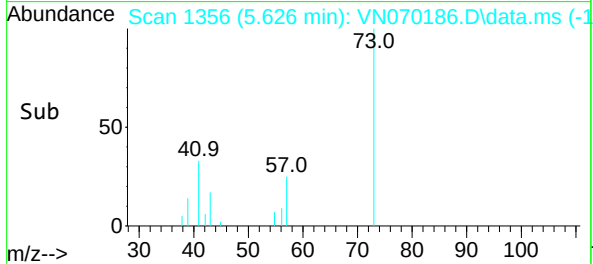
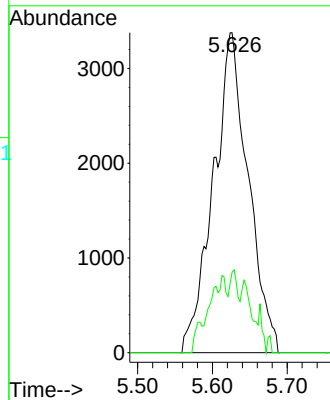
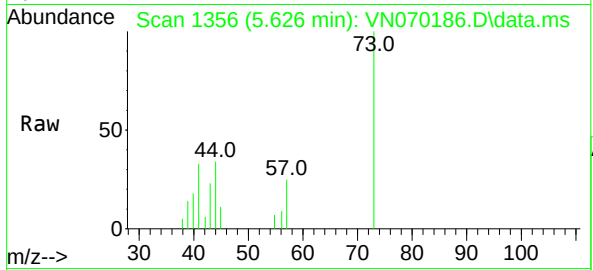
ClientSampleId :

Tgt Ion: 73 Resp: 10942

Ion Ratio Lower Upper

73 100

57 25.1 16.8 25.2



#29

Tetrahydrofuran

Concen: 0.215 ug/l

RT: 7.713 min Scan# 2134

Delta R.T. 0.027 min

Lab File: VN070186.D

Acq: 18 Dec 2021 1:33

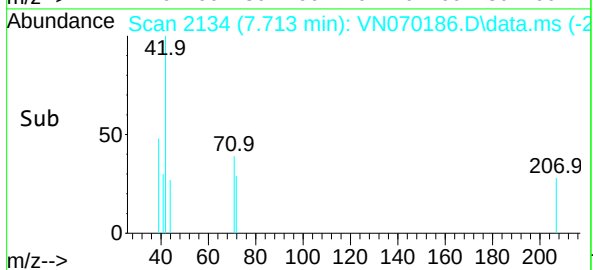
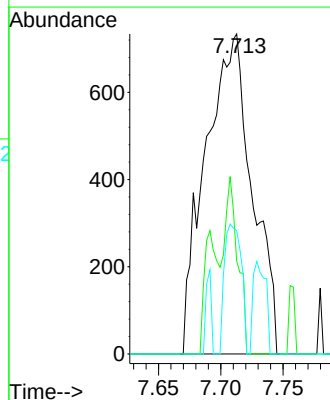
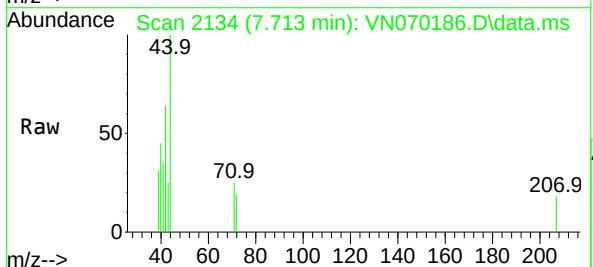
Tgt Ion: 42 Resp: 1912

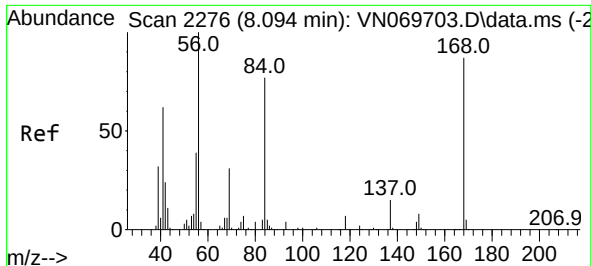
Ion Ratio Lower Upper

42 100

72 15.8 36.3 54.5#

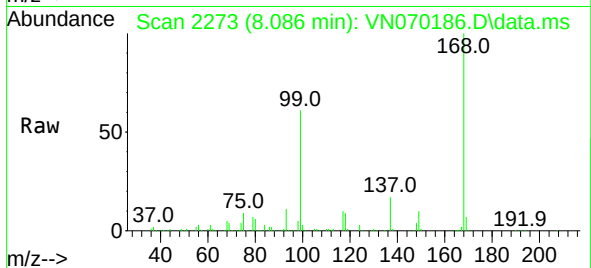
71 14.6 34.7 52.1#



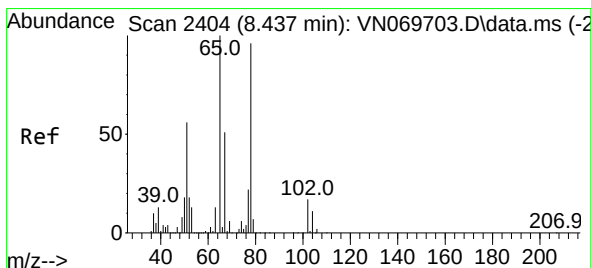
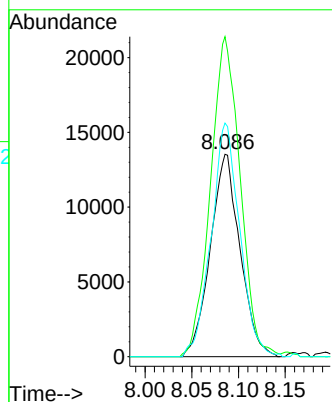
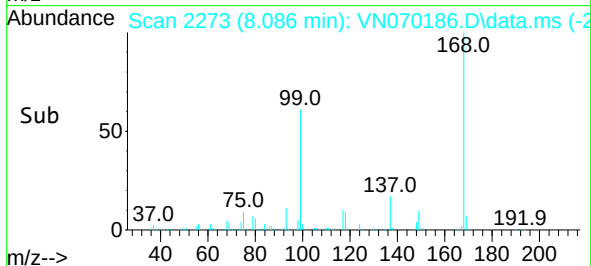


#31
Cyclohexane
Concen: 1.203 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

Instrument :
MSVOA_N
ClientSampleId :

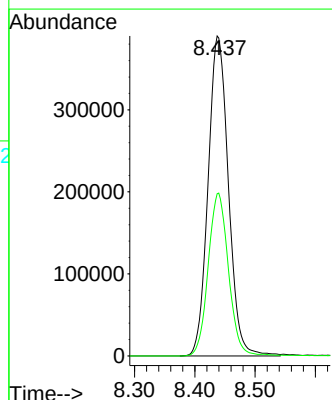
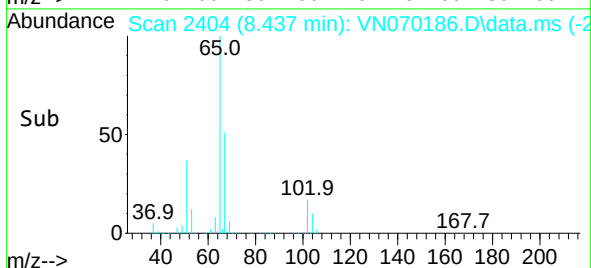
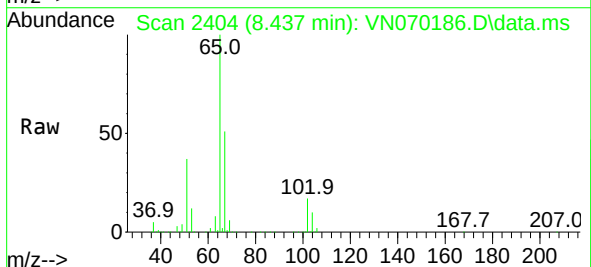


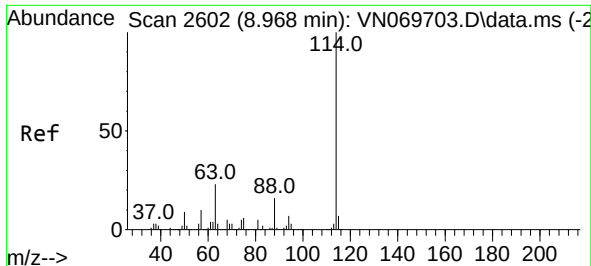
Tgt Ion: 56 Resp: 29928
Ion Ratio Lower Upper
56 100
69 158.1 27.1 40.7#
84 115.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.188 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

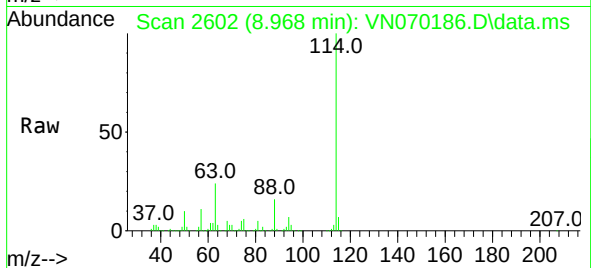
Tgt Ion: 65 Resp: 915315
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0



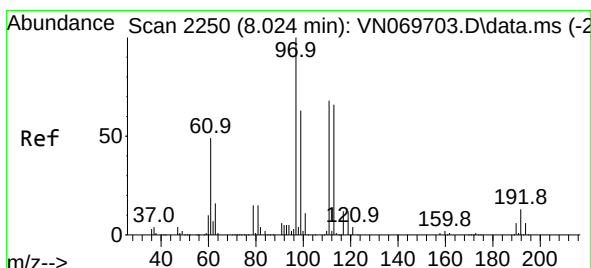
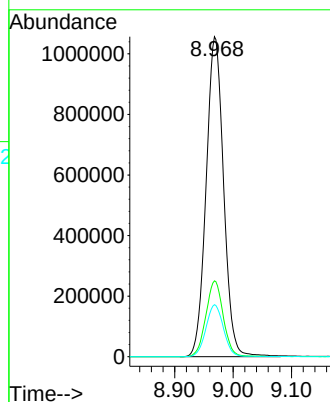
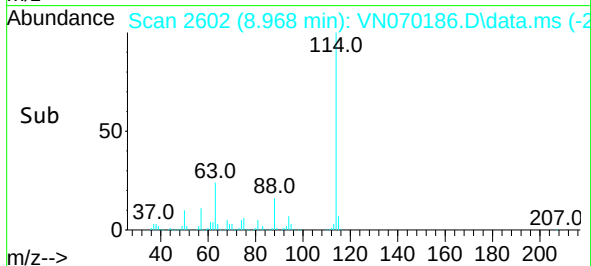


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

Instrument :
MSVOA_N
ClientSampleId :

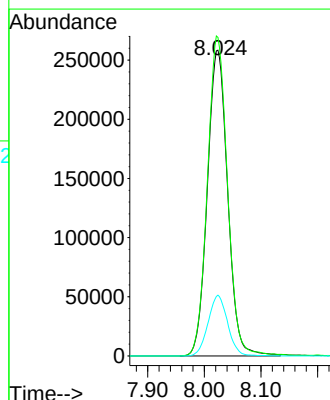
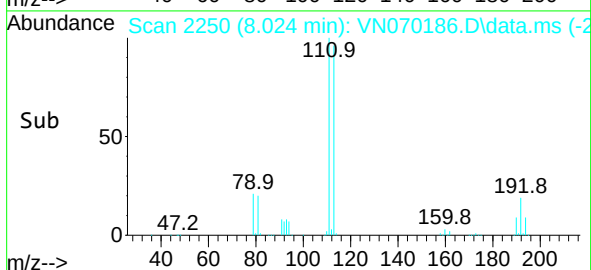
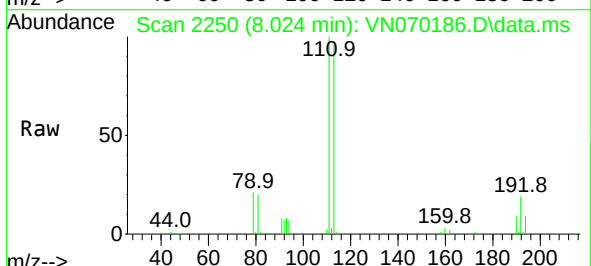


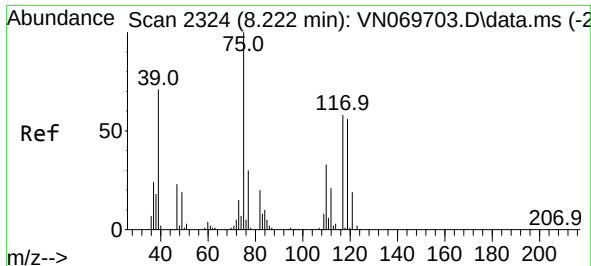
Tgt Ion:114 Resp: 2199439
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.793 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

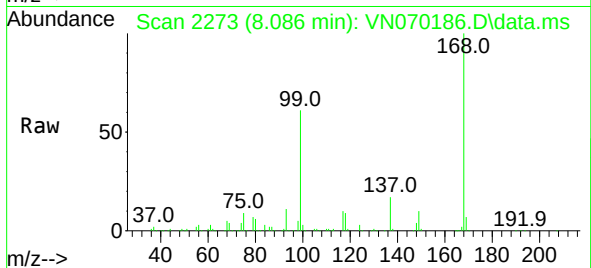
Tgt Ion:113 Resp: 644657
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 19.1 16.9 25.3



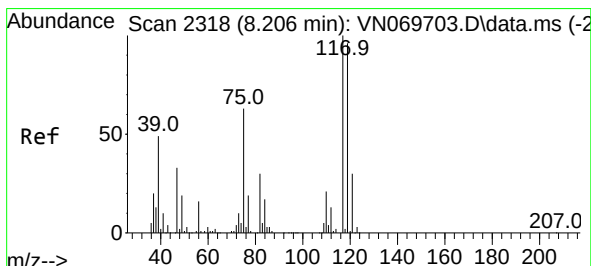
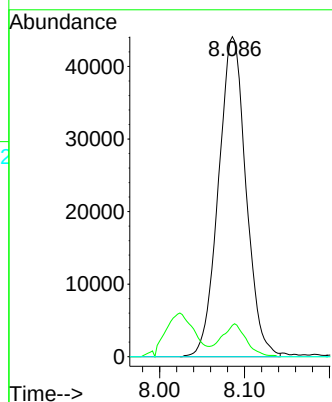
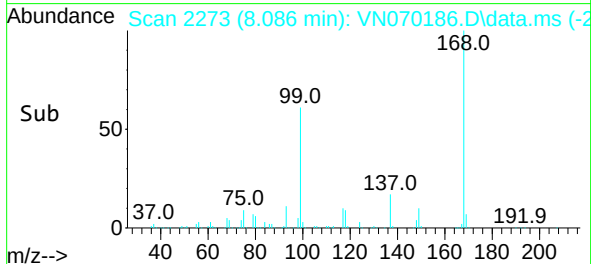


#36
1,1-Dichloropropene
Concen: 4.744 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

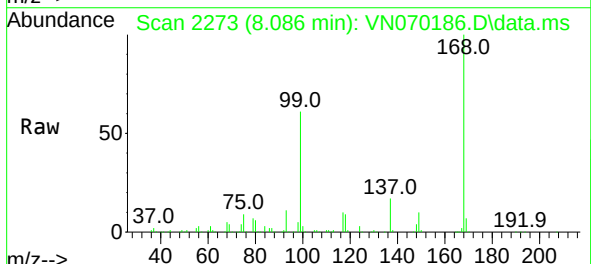
Instrument :
MSVOA_N
ClientSampleId :



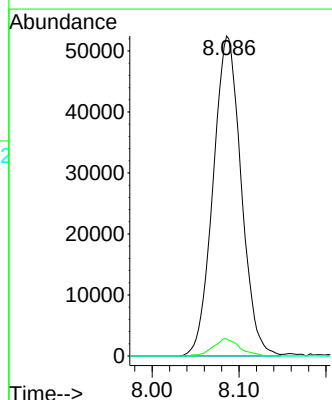
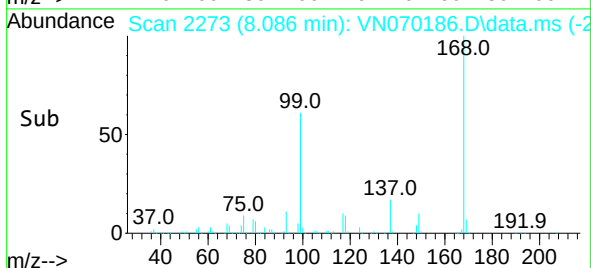
Tgt Ion: 75 Resp: 99333
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#

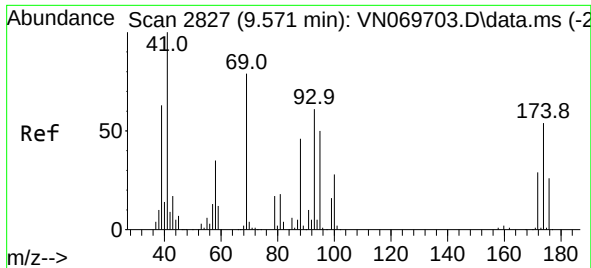


#38
Carbon Tetrachloride
Concen: 5.725 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33



Tgt Ion: 117 Resp: 117548
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.342 ug/l

RT: 9.593 min Scan# 21

Delta R.T. 0.022 min

Lab File: VN070186.D

Acq: 18 Dec 2021 1:33

Instrument :

MSVOA_N

ClientSampleId :

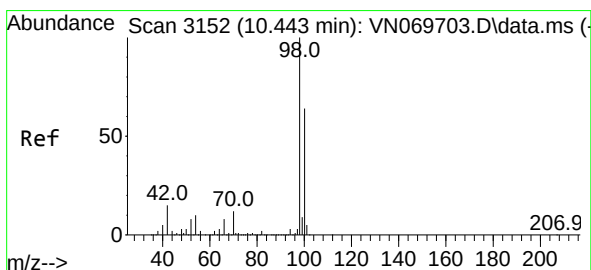
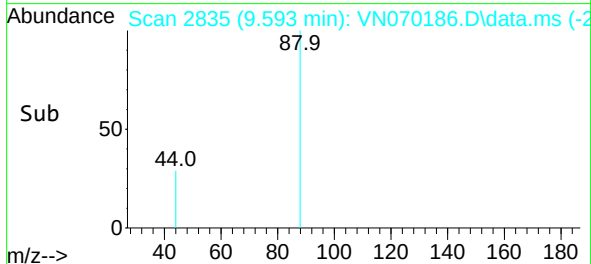
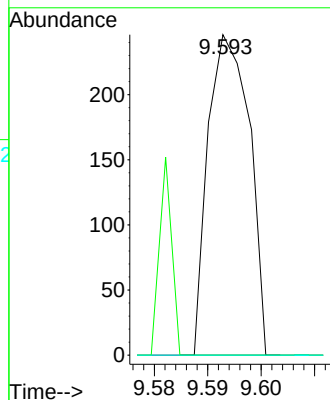
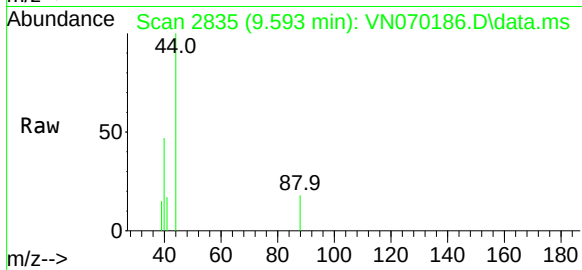
Tgt Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 18.2 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 52.767 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN070186.D

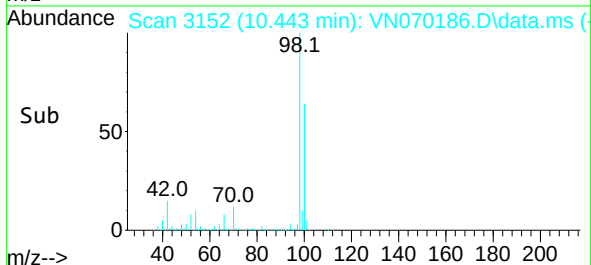
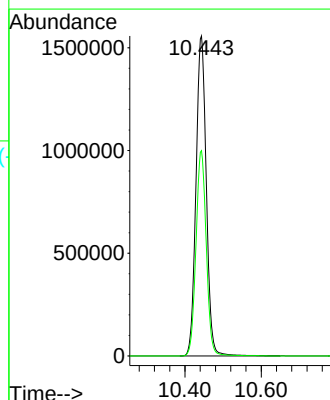
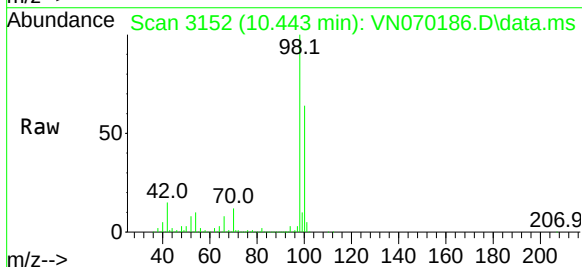
Acq: 18 Dec 2021 1:33

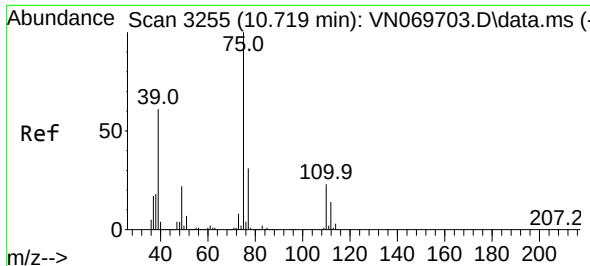
Tgt Ion: 98 Resp: 2919009

Ion Ratio Lower Upper

98 100

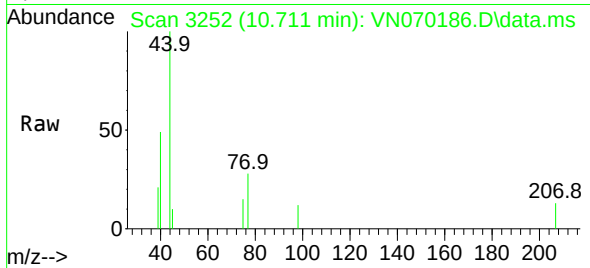
100 64.0 50.4 75.6



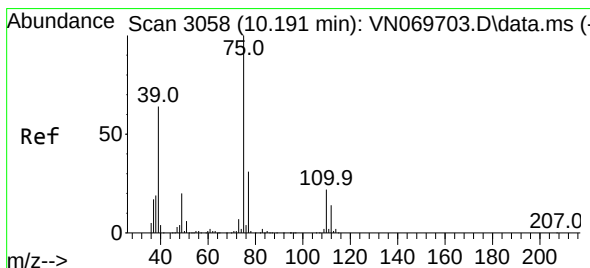
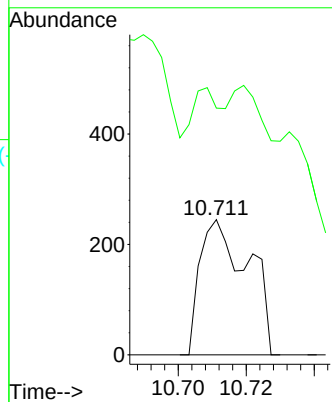
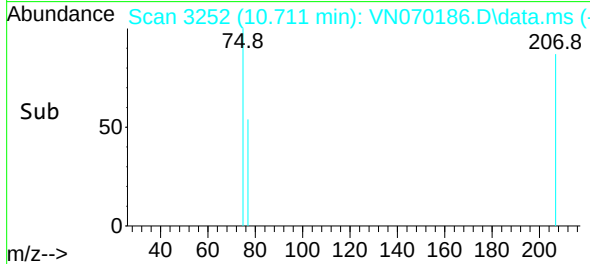


#53
t-1,3-Dichloropropene
Concen: 2.803 ug/l
RT: 10.711 min Scan# 31
Delta R.T. -0.008 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

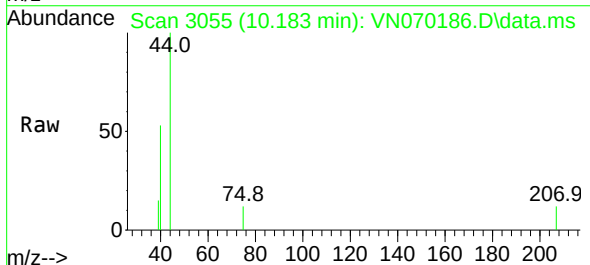
Instrument :
MSVOA_N
ClientSampleId :



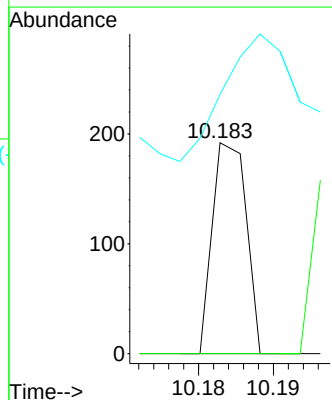
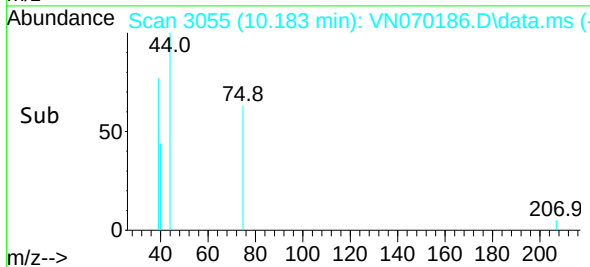
Tgt Ion: 75 Resp: 240
Ion Ratio Lower Upper
75 100
77 24.5 25.6 38.4#

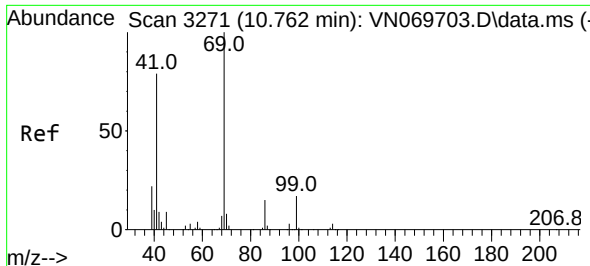


#54
cis-1,3-Dichloropropene
Concen: 2.001 ug/l
RT: 10.183 min Scan# 3055
Delta R.T. -0.008 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33



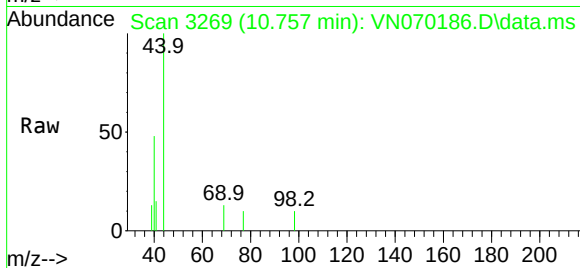
Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 31.8 42.5 63.7#



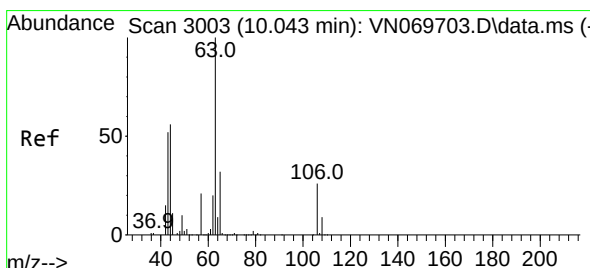
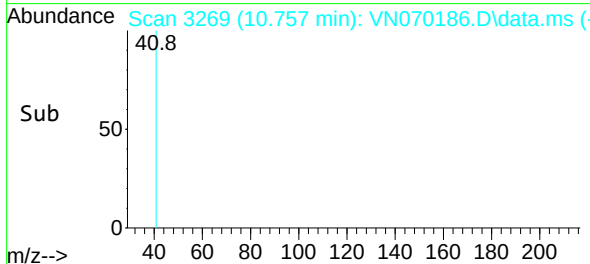
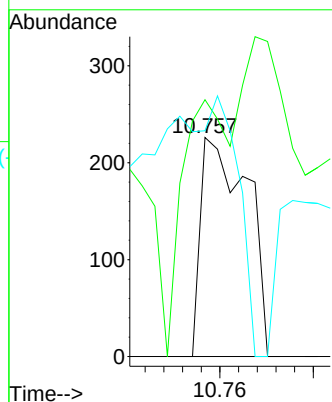


#56
Ethyl methacrylate
Concen: 2.284 ug/l
RT: 10.757 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

Instrument :
MSVOA_N
ClientSampleId :

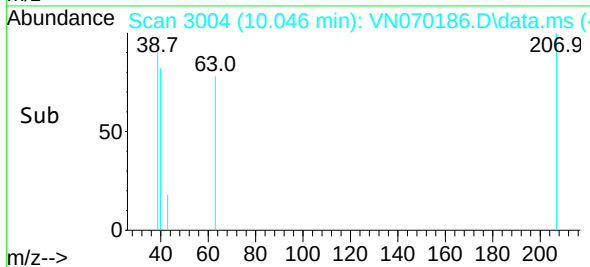
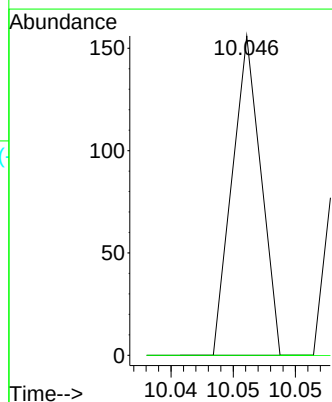
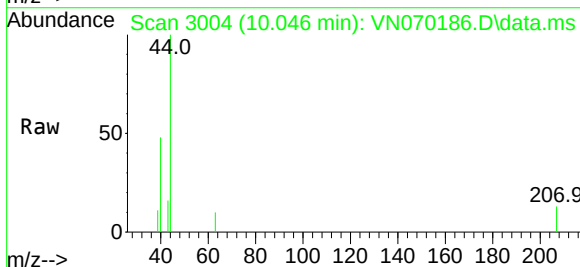


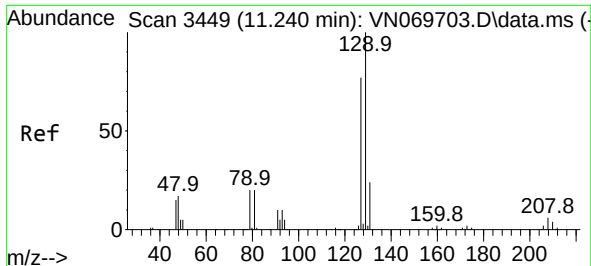
Tgt Ion: 69 Resp: 157
Ion Ratio Lower Upper
69 100
41 117.8 51.4 77.0#
39 0.0 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.392 ug/l
RT: 10.046 min Scan# 3004
Delta R.T. 0.003 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

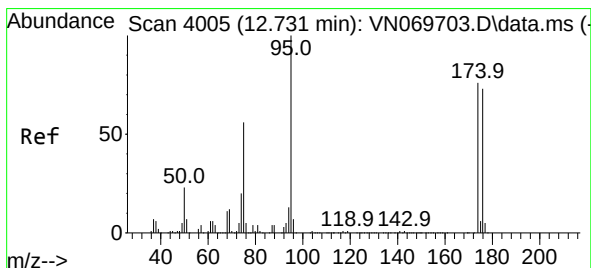
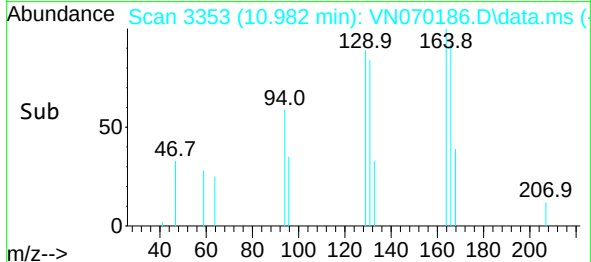
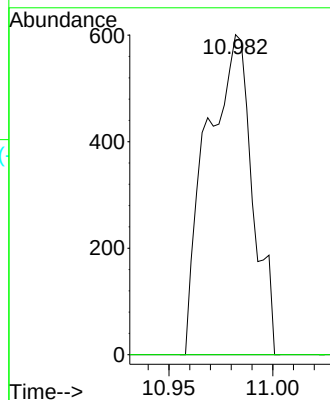
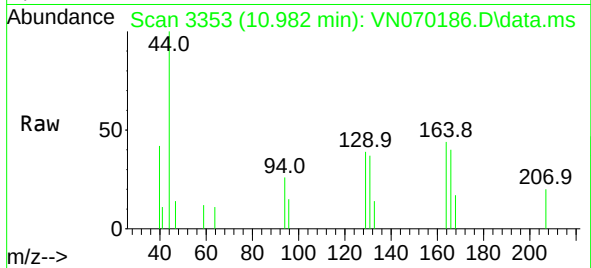




#60
Dibromochloromethane
Concen: 2.428 ug/l
RT: 10.982 min Scan# 31
Delta R.T. -0.258 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

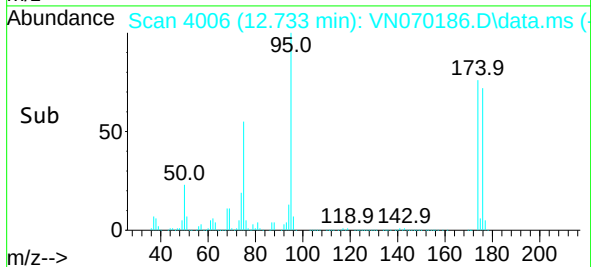
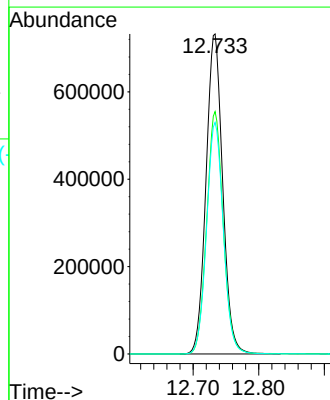
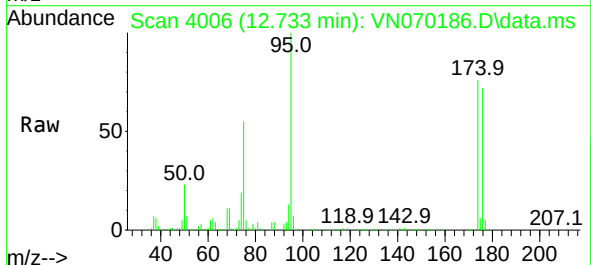
Instrument :
MSVOA_N
ClientSampleId :

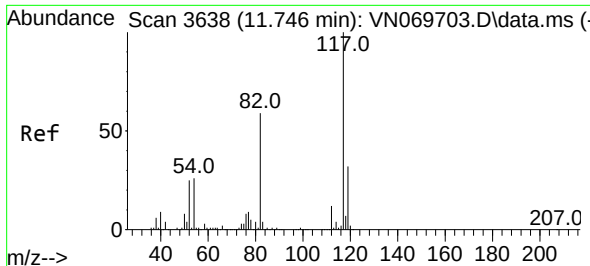
Tgt Ion:129 Resp: 916
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 64.426 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

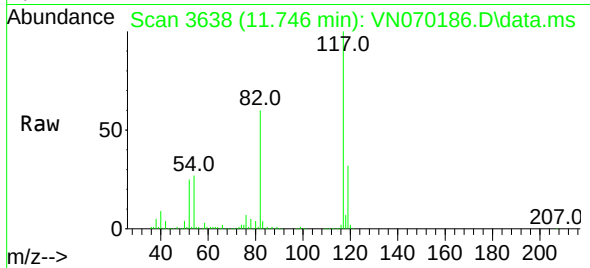
Tgt Ion: 95 Resp: 1291142
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.6 0.0 181.4



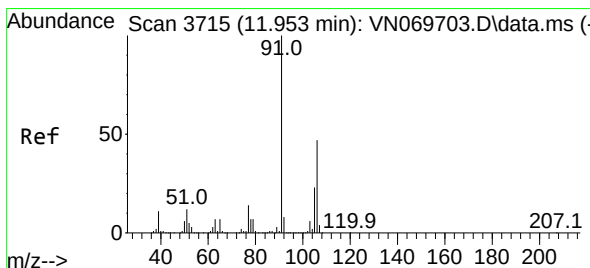
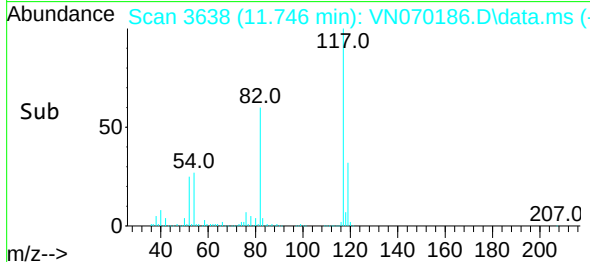
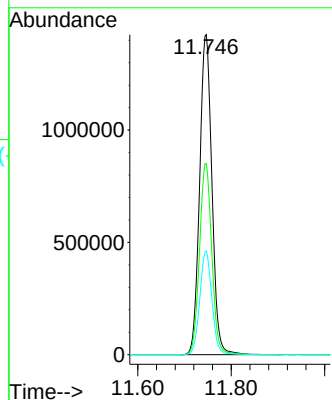


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

Instrument :
MSVOA_N
ClientSampleId :

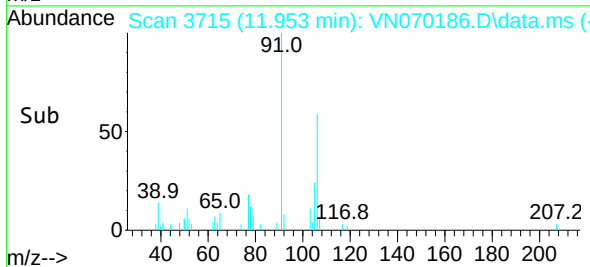
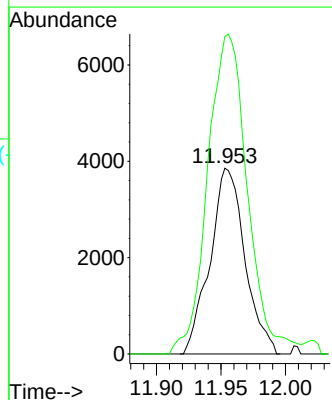
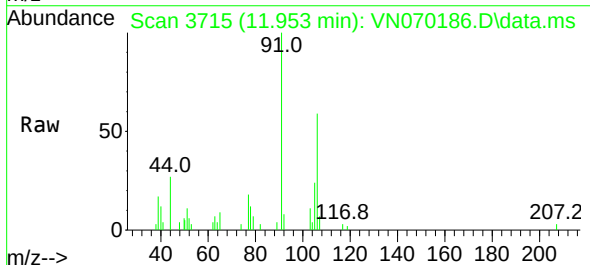


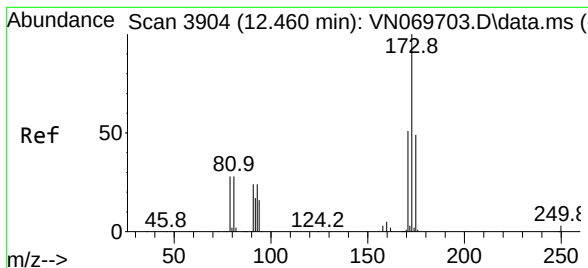
Tgt Ion:117 Resp: 2601034
Ion Ratio Lower Upper
117 100
82 59.7 42.4 63.6
119 32.4 25.4 38.2



#68
m/p-Xylenes
Concen: 0.208 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

Tgt Ion:106 Resp: 7265
Ion Ratio Lower Upper
106 100
91 196.1 160.6 240.8





#71

Bromoform

Concen: 2.851 ug/l

RT: 12.736 min Scan# 4007

Delta R.T. 0.276 min

Lab File: VN070186.D

Acq: 18 Dec 2021 1:33

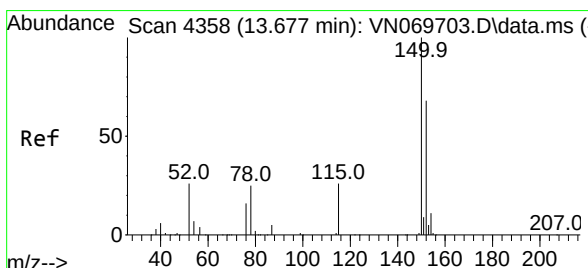
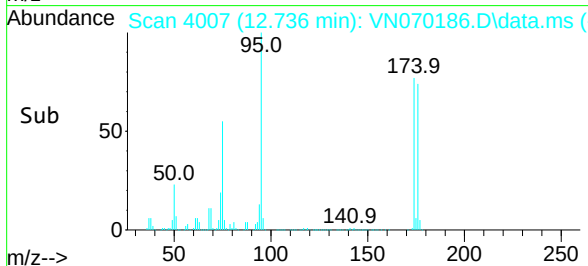
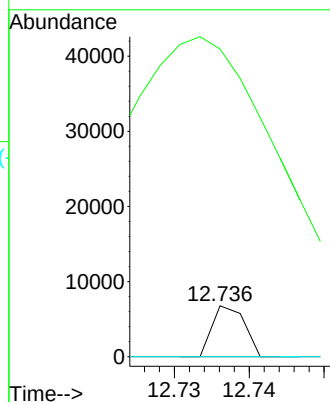
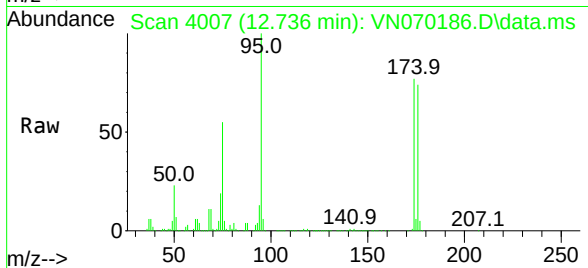
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 2014

Ion	Ratio	Lower	Upper
173	100		
175	3474.7	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

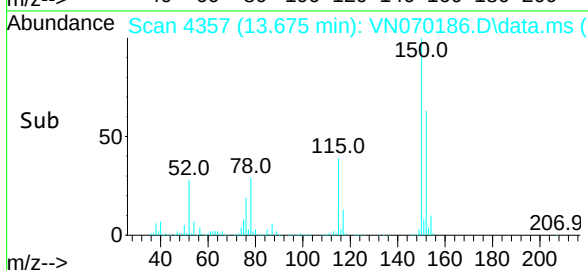
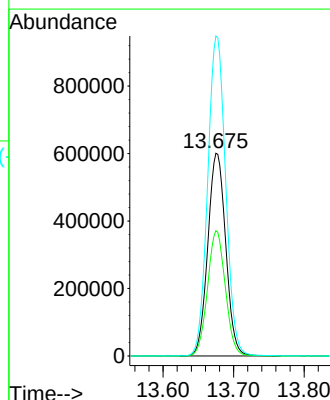
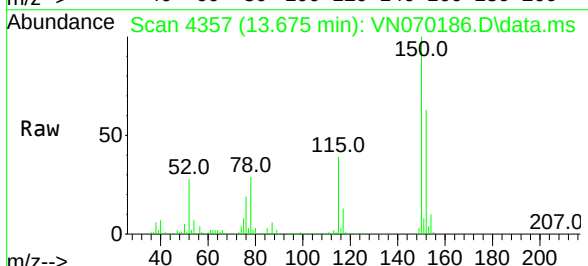
Delta R.T. -0.003 min

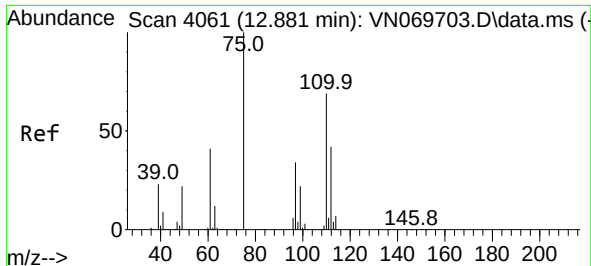
Lab File: VN070186.D

Acq: 18 Dec 2021 1:33

Tgt Ion:152 Resp: 1061819

Ion	Ratio	Lower	Upper
152	100		
115	61.2	27.5	82.5
150	157.5	0.0	344.4

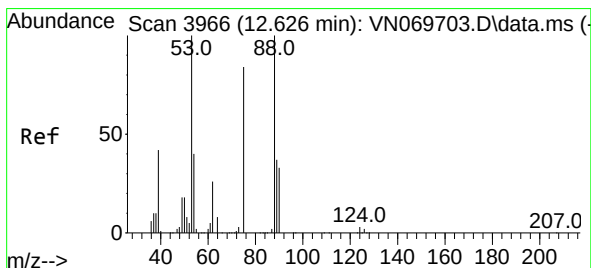
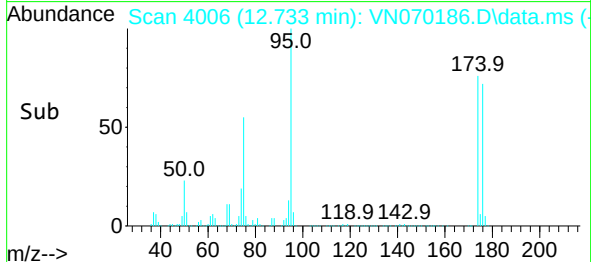
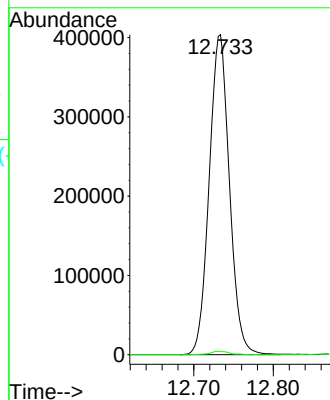
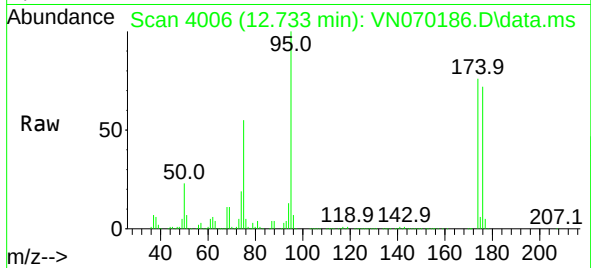




#76
1,2,3-Trichloropropane
Concen: 23.471 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

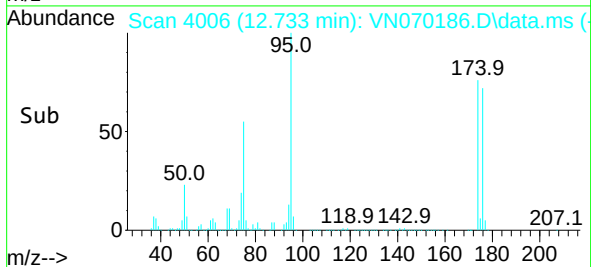
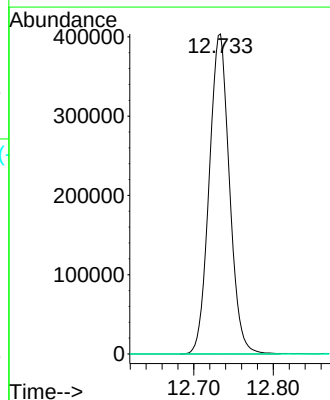
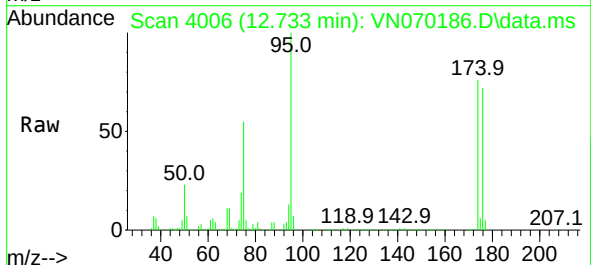
Instrument :
MSVOA_N
ClientSampleId :

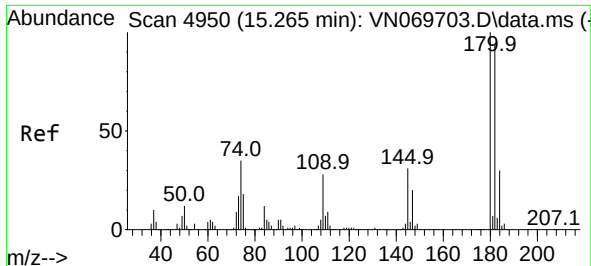
Tgt Ion: 75 Resp: 714692
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.638 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

Tgt Ion: 75 Resp: 714692
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

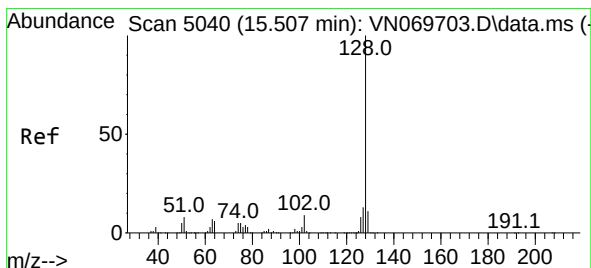
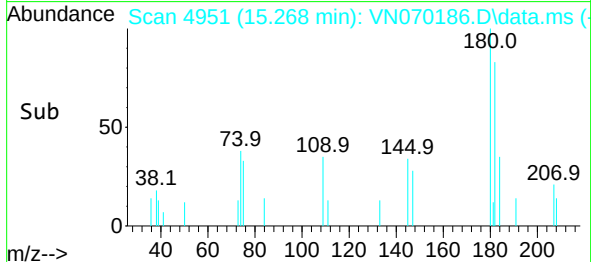
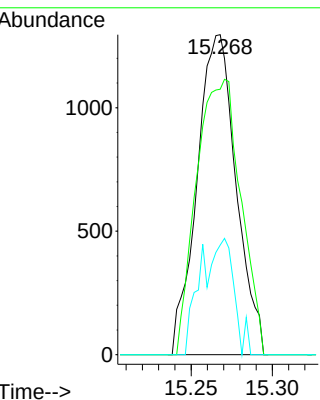
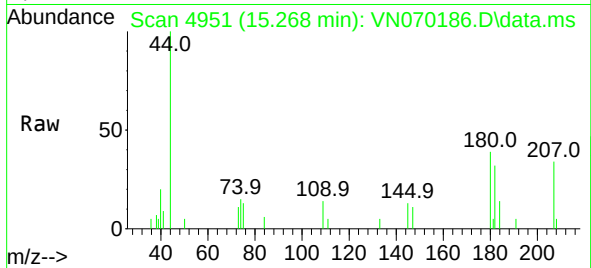




#93
1,2,4-Trichlorobenzene
Concen: 2.995 ug/l
RT: 15.268 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

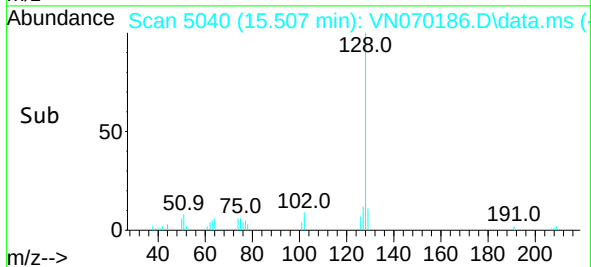
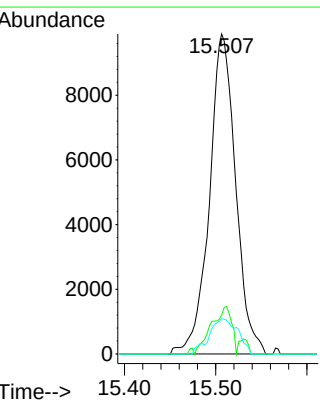
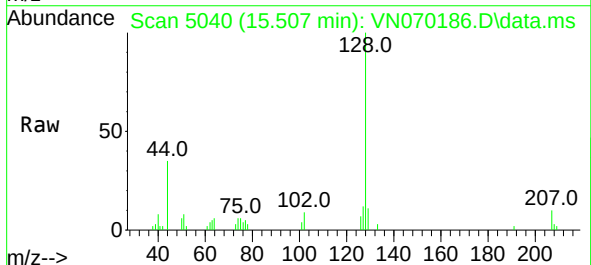
Instrument :
MSVOA_N
ClientSampleId :

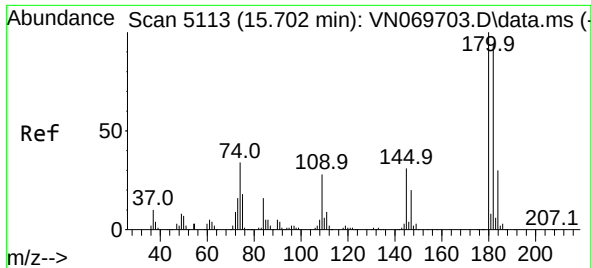
Tgt Ion:180 Resp: 2172
Ion Ratio Lower Upper
180 100
182 97.3 48.3 144.9
145 17.5 14.5 43.5



#95
Naphthalene
Concen: 4.336 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070186.D
Acq: 18 Dec 2021 1:33

Tgt Ion:128 Resp: 19782
Ion Ratio Lower Upper
128 100
127 11.4 10.5 15.7
129 11.9 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 2.573 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

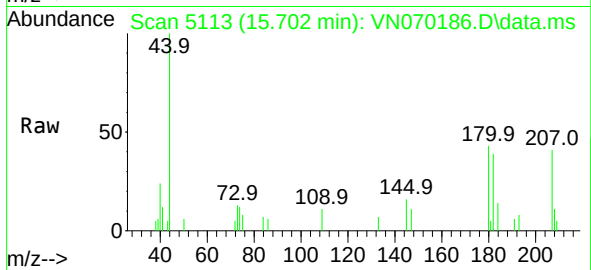
Lab File: VN070186.D

Acq: 18 Dec 2021 1:33

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 2444

Ion Ratio Lower Upper

180 100

182 88.5 47.4 142.2

145 41.0 15.0 45.1

