

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070124.D
 Acq On : 15 Dec 2021 20:34
 Operator : JC/MD
 Sample : M5078-04
 Misc : 4.07g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 05:41:52 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)

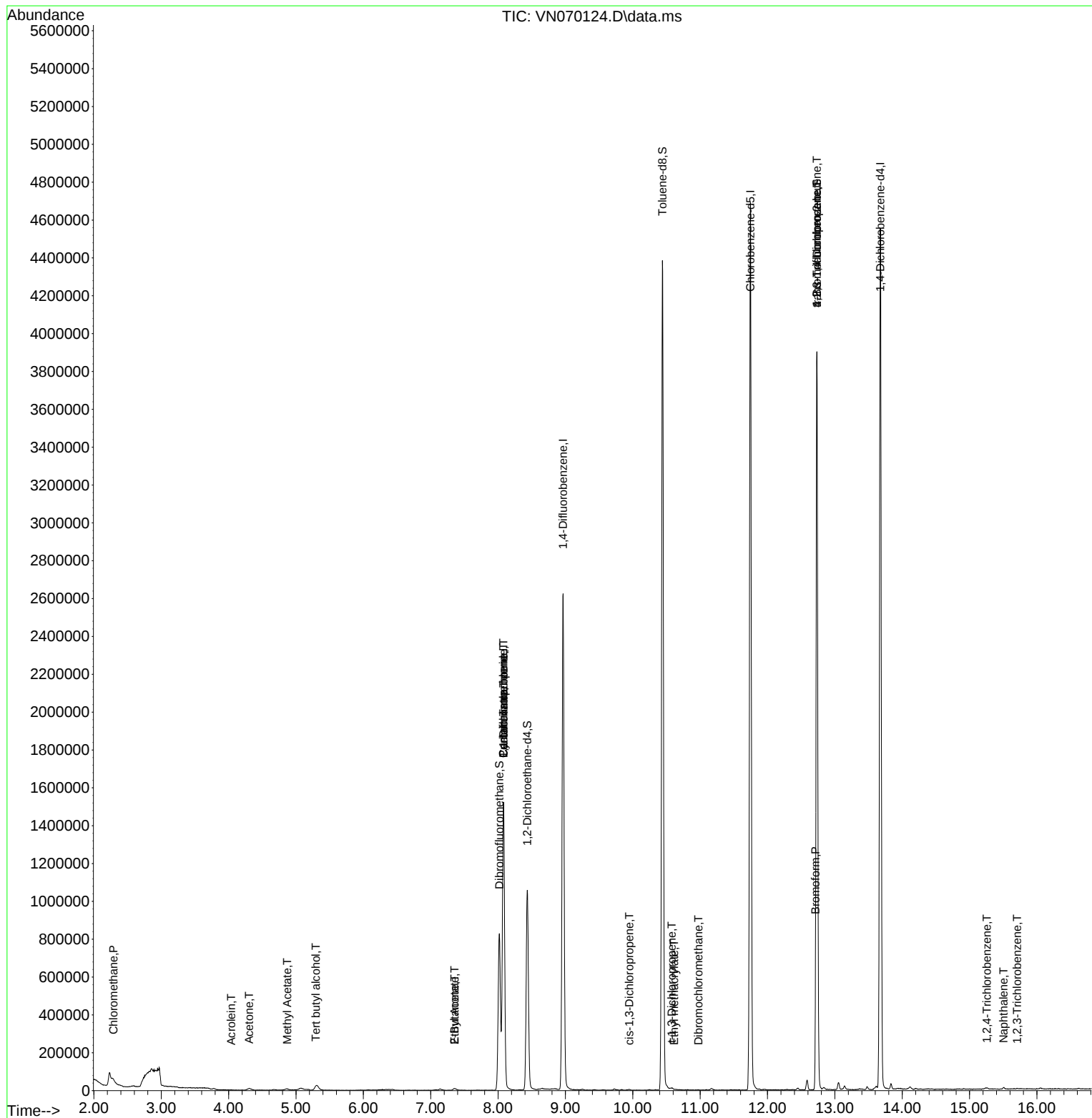
Internal Standards						
1) Pentafluorobenzene	8.080	168	1149969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2203180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2594215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1198060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	914458	51.503	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.000%	
35) Dibromofluoromethane	8.018	113	602185	43.636	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 87.280%	
50) Toluene-d8	10.440	98	2998070	54.105	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.200%	
62) 4-Bromofluorobenzene	12.733	95	1335248	66.514	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 133.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.290	50	3836	0.228	ug/l #	80
11) Tert butyl alcohol	5.294	59	11665	3.476	ug/l #	73
13) Acrolein	4.038	56	585	0.205	ug/l #	81
16) Acetone	4.304	43	13652	1.278	ug/l	97
18) Methyl Acetate	4.870	43	16865	0.523	ug/l #	80
25) 2-Butanone	7.353	43	14219	0.980	ug/l #	85
31) Cyclohexane	8.080	56	27910	1.130	ug/l #	22
36) 1,1-Dichloropropene	8.080	75	97734	4.660	ug/l #	49
37) Ethyl Acetate	7.353	43	14219	0.455	ug/l #	68
38) Carbon Tetrachloride	8.080	117	115455	5.614	ug/l #	16
53) t-1,3-Dichloropropene	10.577	75	1988	2.867	ug/l	95
54) cis-1,3-Dichloropropene	9.947	75	1966	2.069	ug/l #	63
56) Ethyl methacrylate	10.612	69	122	2.283	ug/l #	7
60) Dibromochloromethane	10.974	129	102	2.382	ug/l #	11
71) Bromoform	12.712	173	463	2.759	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	728707	21.209	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	728707	67.839	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	419	2.898	ug/l #	9
95) Naphthalene	15.504	128	4213	4.051	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.705	180	367	2.454	ug/l #	20

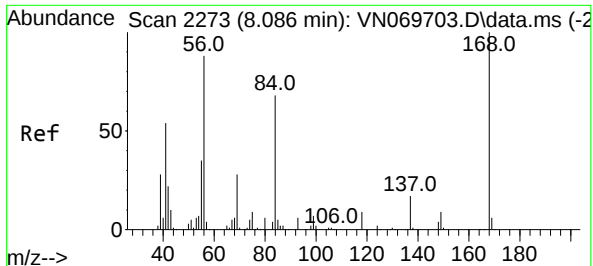
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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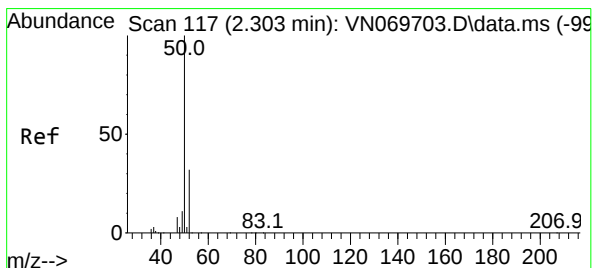
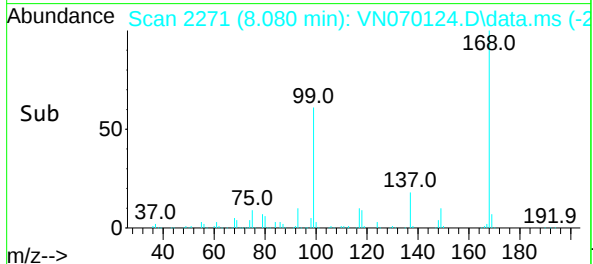
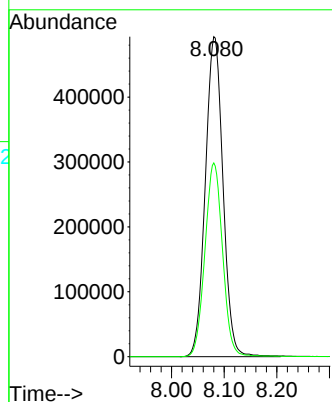
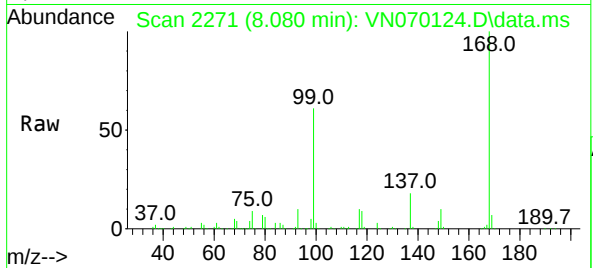




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

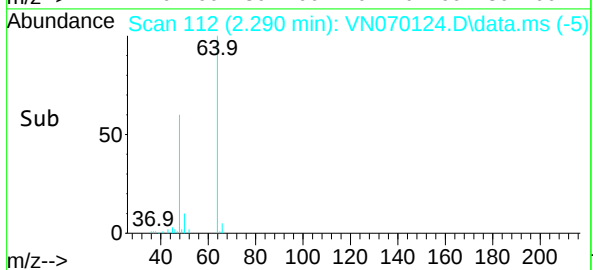
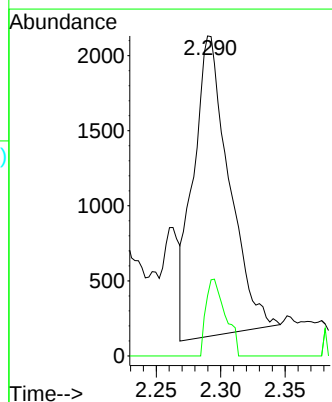
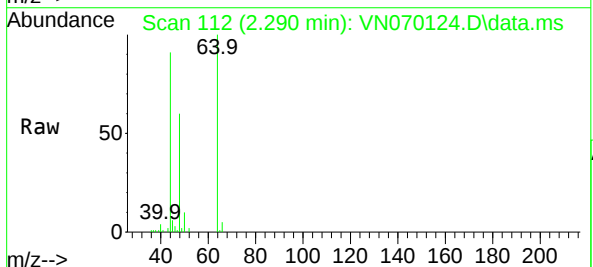
Instrument :
MSVOA_N
ClientSampleId :

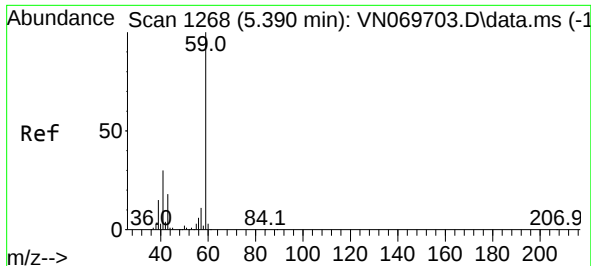
Tgt Ion:168 Resp: 1149969
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.290 min Scan# 112
Delta R.T. -0.013 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

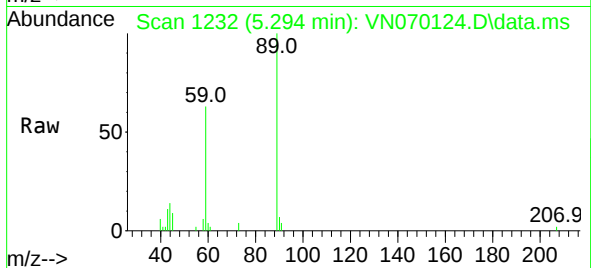
Tgt Ion: 50 Resp: 3836
Ion Ratio Lower Upper
50 100
52 20.9 25.4 38.0#



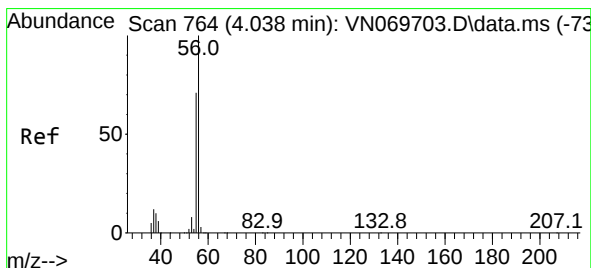
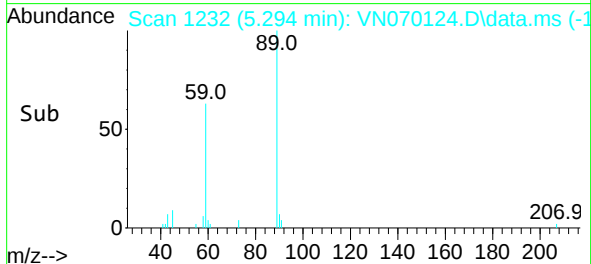
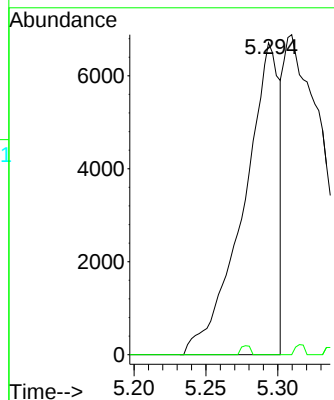


#11
Tert butyl alcohol
Concen: 3.476 ug/l
RT: 5.294 min Scan# 11
Delta R.T. -0.097 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

Instrument :
MSVOA_N
ClientSampleId :

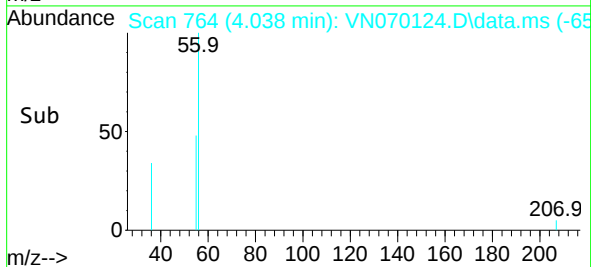
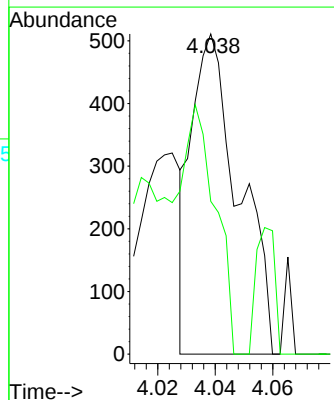
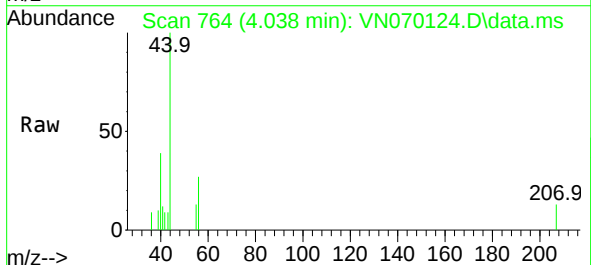


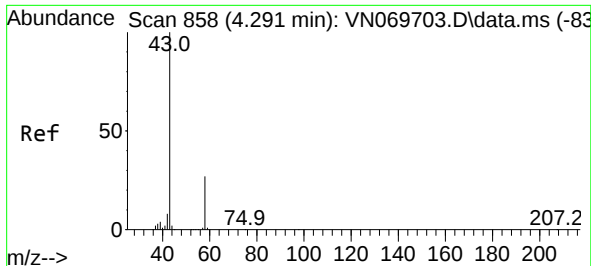
Tgt Ion: 59 Resp: 11665
Ion Ratio Lower Upper
59 100
57 0.7 8.7 13.1#



#13
Acrolein
Concen: 0.205 ug/l
RT: 4.038 min Scan# 764
Delta R.T. 0.000 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

Tgt Ion: 56 Resp: 585
Ion Ratio Lower Upper
56 100
55 55.0 56.6 85.0#

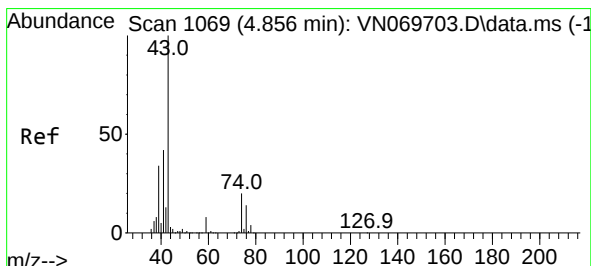
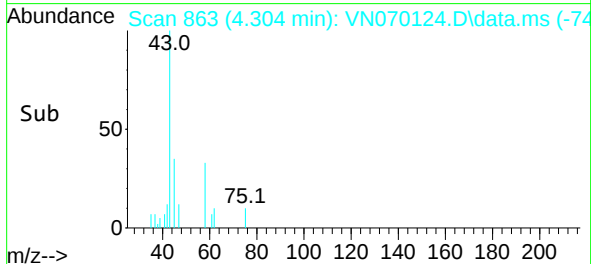
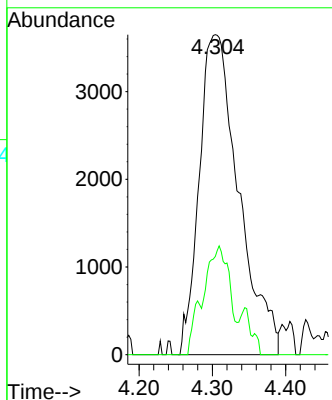
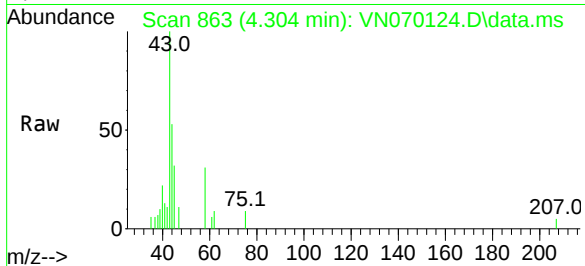




#16
Acetone
Concen: 1.278 ug/l
RT: 4.304 min Scan# 80
Delta R.T. 0.013 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

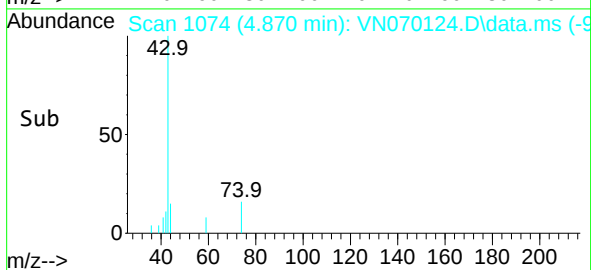
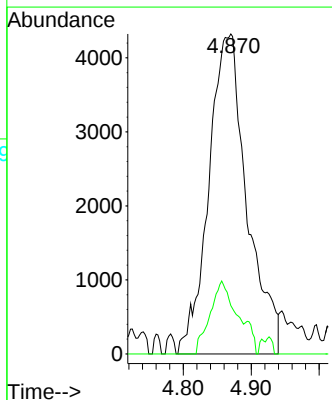
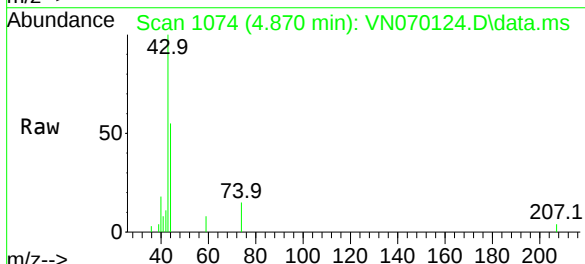
Instrument :
MSVOA_N
ClientSampleId :

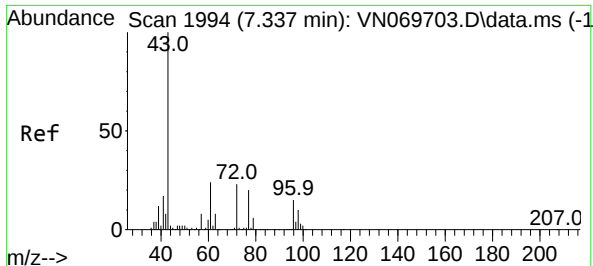
Tgt Ion: 43 Resp: 13652
Ion Ratio Lower Upper
43 100
58 30.7 23.1 34.7



#18
Methyl Acetate
Concen: 0.523 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.013 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

Tgt Ion: 43 Resp: 16865
Ion Ratio Lower Upper
43 100
74 14.6 19.4 29.2#





#25

2-Butanone

Concen: 0.980 ug/l

RT: 7.353 min Scan# 2000

Delta R.T. 0.016 min

Lab File: VN070124.D

Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_N

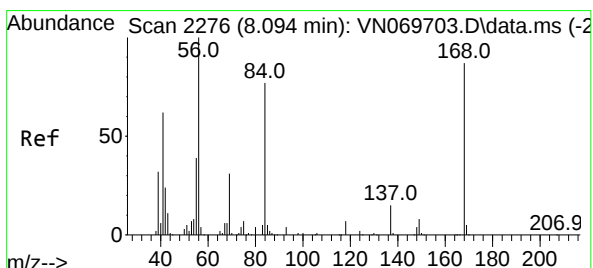
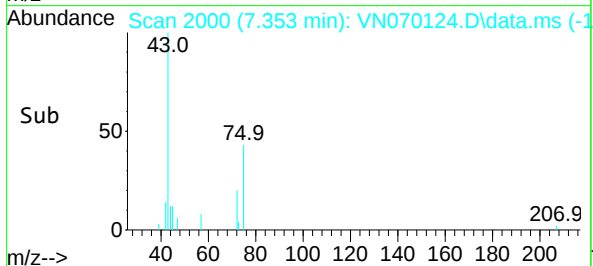
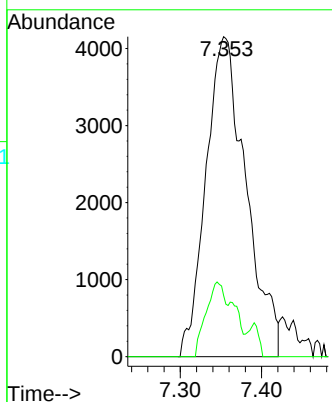
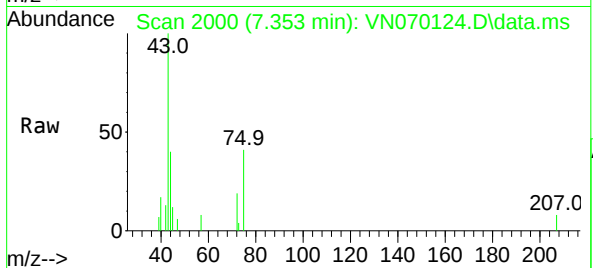
ClientSampleId :

Tgt Ion: 43 Resp: 14219

Ion Ratio Lower Upper

43 100

72 19.1 21.7 32.5#



#31

Cyclohexane

Concen: 1.130 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.013 min

Lab File: VN070124.D

Acq: 15 Dec 2021 20:34

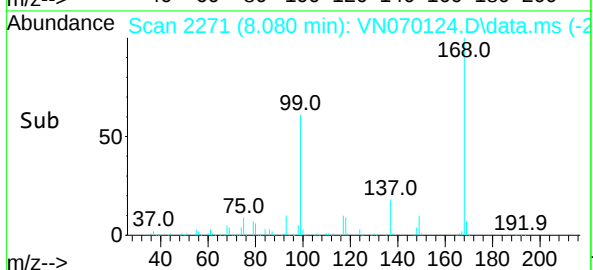
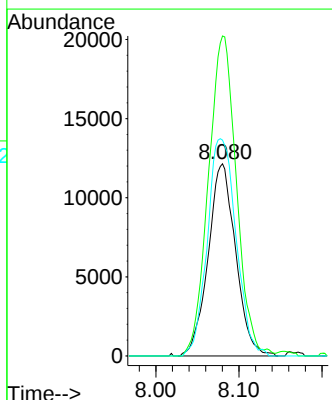
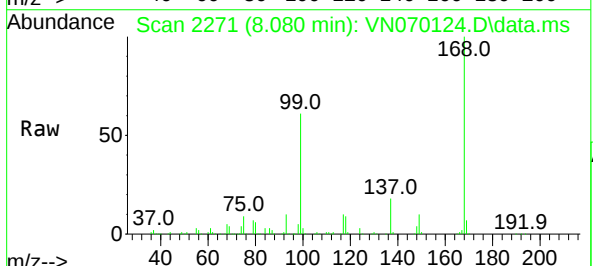
Tgt Ion: 56 Resp: 27910

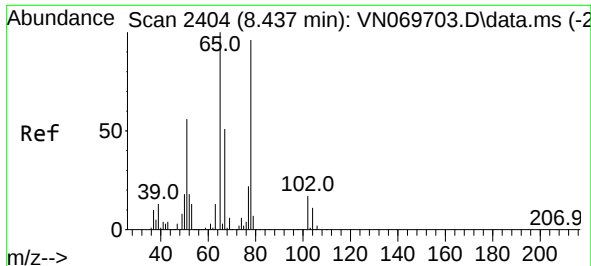
Ion Ratio Lower Upper

56 100

69 166.5 27.1 40.7#

84 112.3 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 51.503 ug/l

RT: 8.434 min Scan# 24

Delta R.T. -0.003 min

Lab File: VN070124.D

Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_N

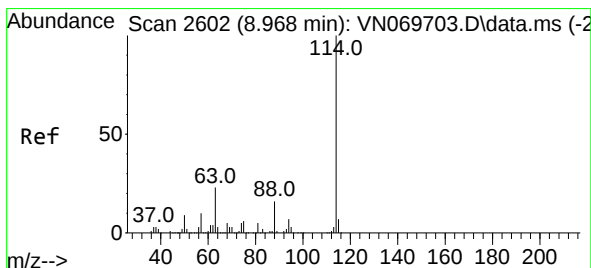
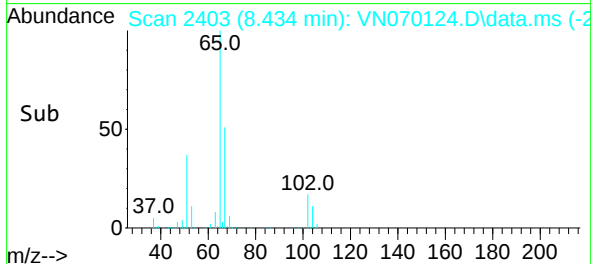
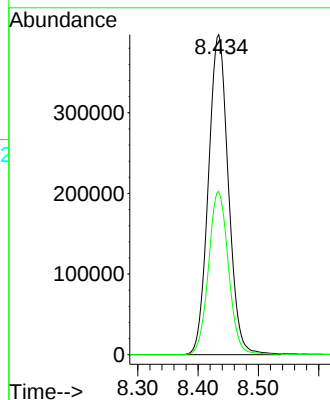
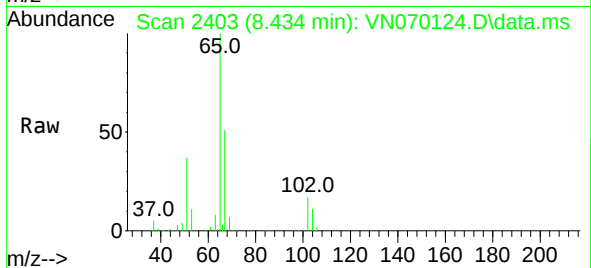
ClientSampleId :

Tgt Ion: 65 Resp: 914458

Ion Ratio Lower Upper

65 100

67 50.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070124.D

Acq: 15 Dec 2021 20:34

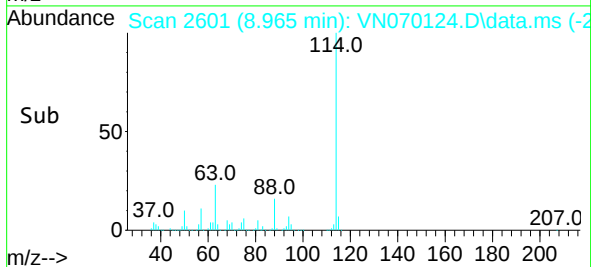
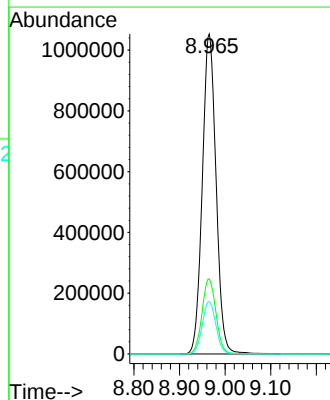
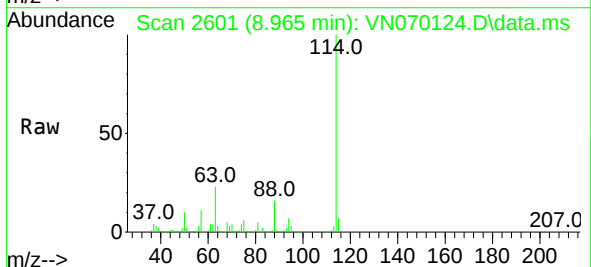
Tgt Ion: 114 Resp: 2203180

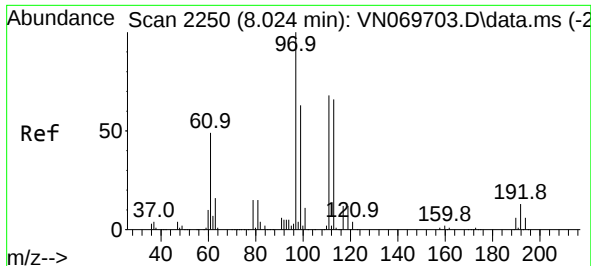
Ion Ratio Lower Upper

114 100

63 23.4 0.0 37.8

88 16.4 0.0 27.4





#35

Dibromofluoromethane

Concen: 43.636 ug/l

RT: 8.018 min Scan# 2248

Delta R.T. -0.005 min

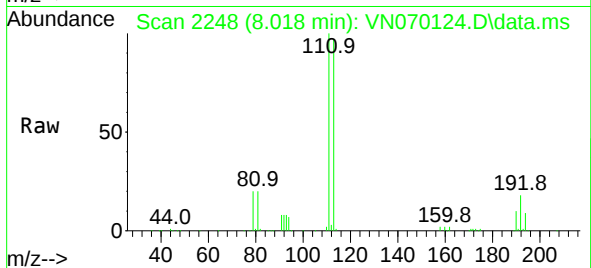
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Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_N

ClientSampleId :



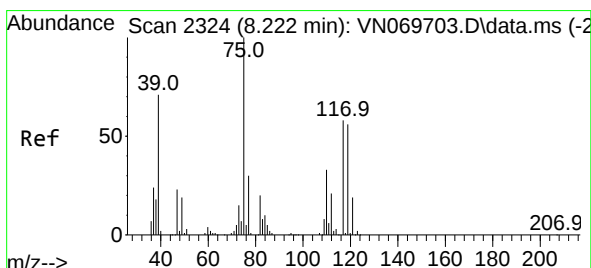
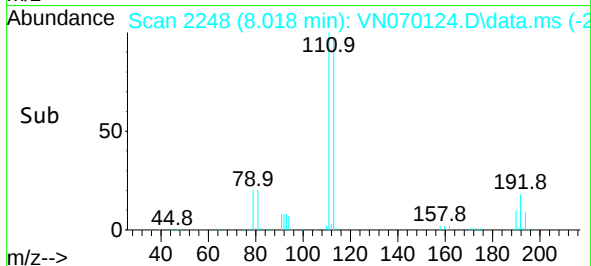
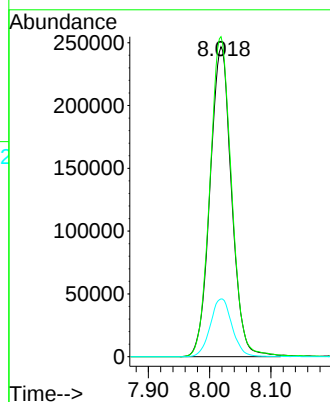
Tgt Ion:113 Resp: 602185

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.2

192 18.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.660 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.142 min

Lab File: VN070124.D

Acq: 15 Dec 2021 20:34

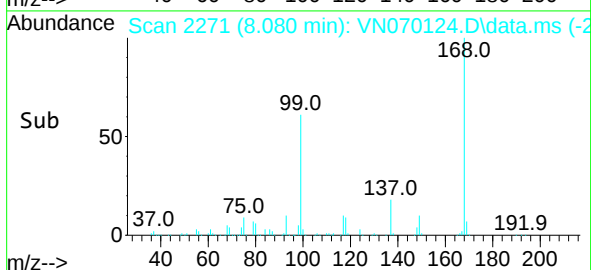
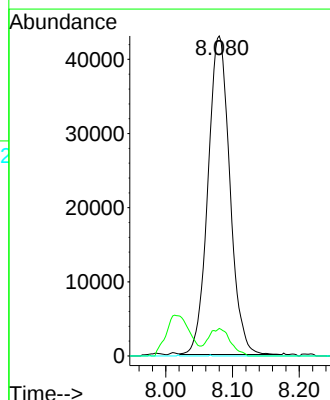
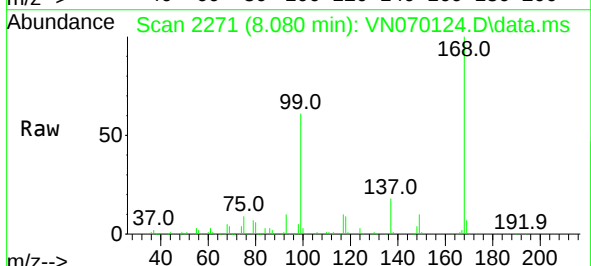
Tgt Ion: 75 Resp: 97734

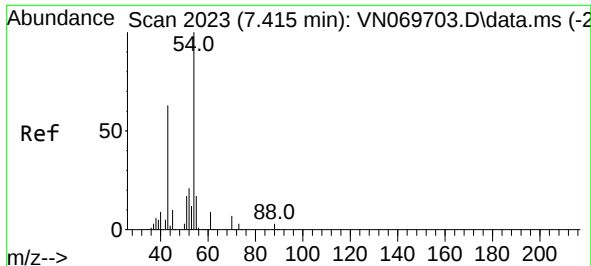
Ion Ratio Lower Upper

75 100

110 8.7 18.4 55.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.455 ug/l

RT: 7.353 min Scan# 20

Delta R.T. -0.062 min

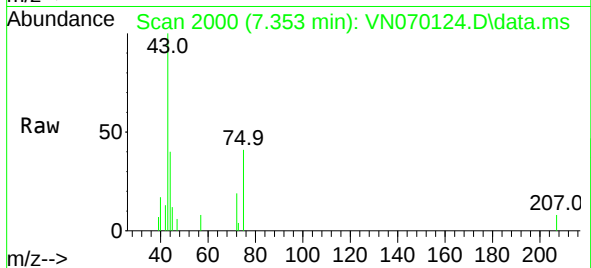
Lab File: VN070124.D

Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_N

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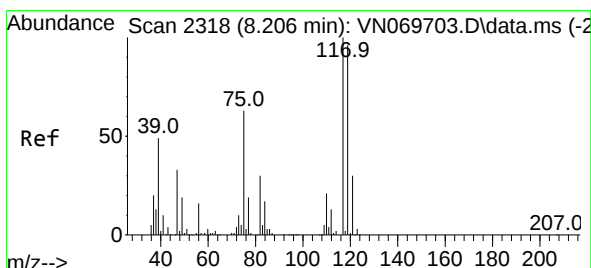
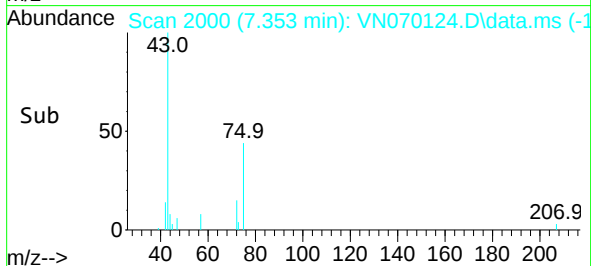
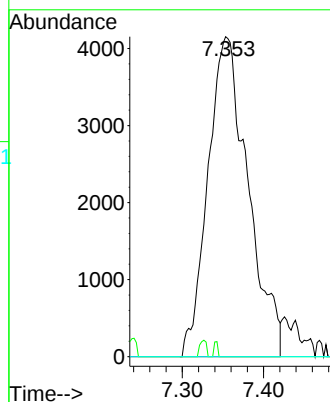
Tgt Ion: 43 Resp: 14219

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.614 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.126 min

Lab File: VN070124.D

Acq: 15 Dec 2021 20:34

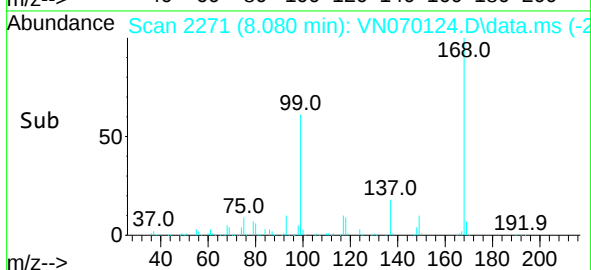
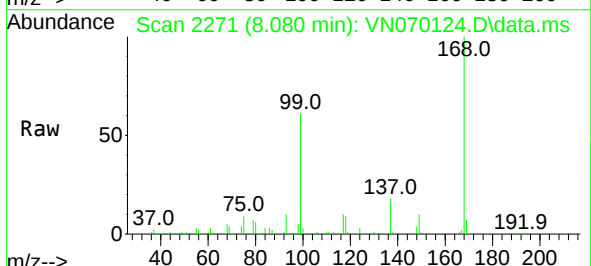
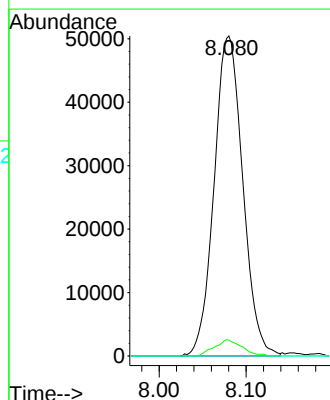
Tgt Ion: 117 Resp: 115455

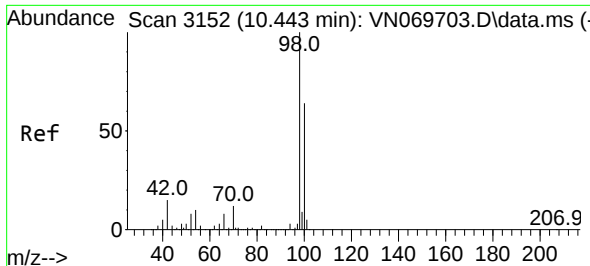
Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

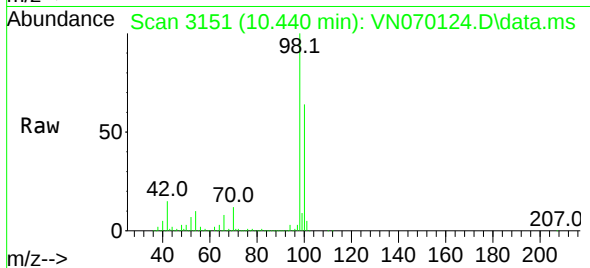
121 0.0 24.2 36.2#



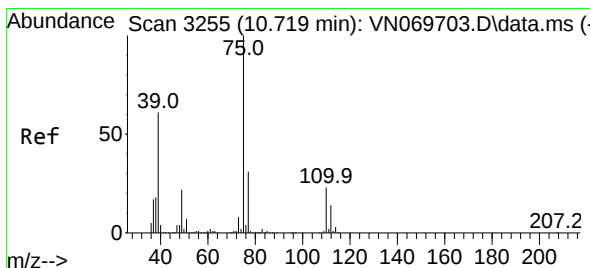
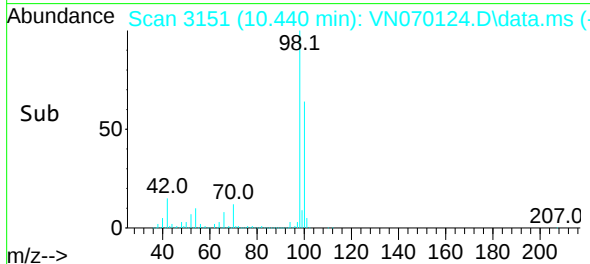
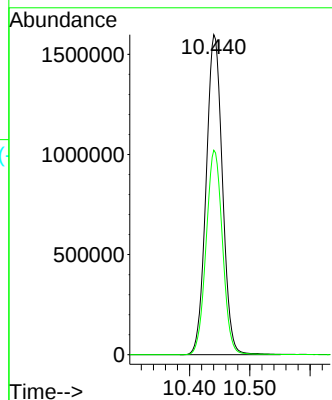


#50
Toluene-d8
Concen: 54.105 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

Instrument :
MSVOA_N
ClientSampleId :

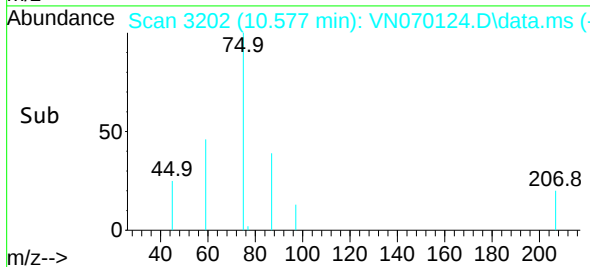
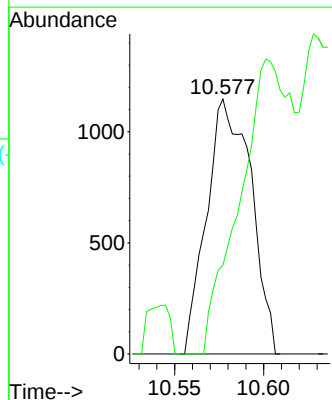
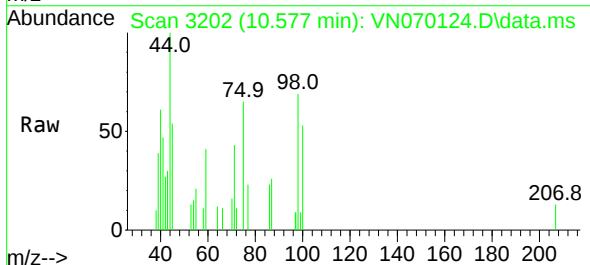


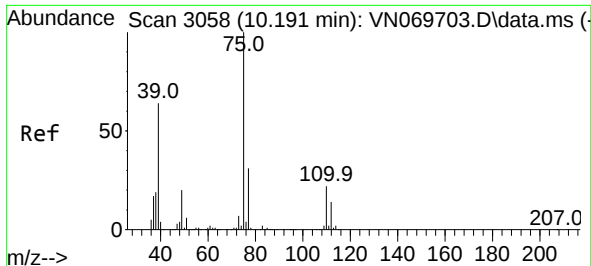
Tgt Ion: 98 Resp: 2998070
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.867 ug/l
RT: 10.577 min Scan# 3202
Delta R.T. -0.142 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

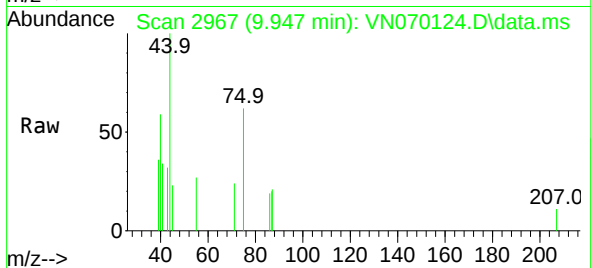
Tgt Ion: 75 Resp: 1988
Ion Ratio Lower Upper
75 100
77 34.9 25.6 38.4



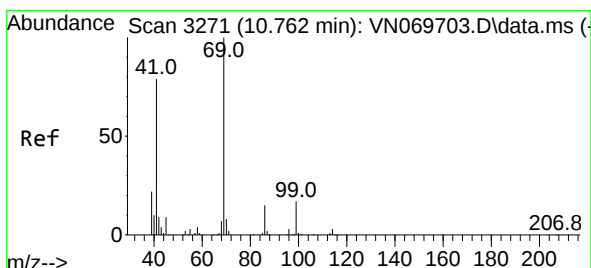
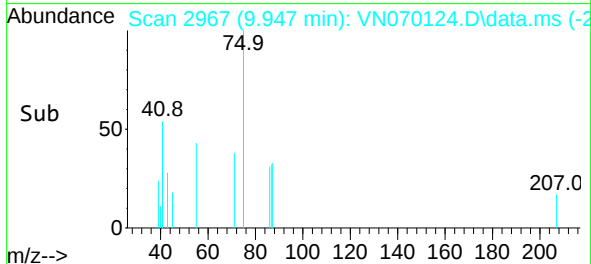
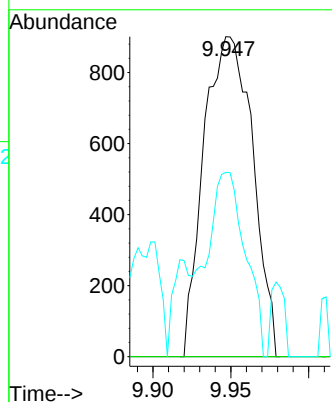


#54
cis-1,3-Dichloropropene
Concen: 2.069 ug/l
RT: 9.947 min Scan# 2967
Delta R.T. -0.244 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

Instrument :
MSVOA_N
ClientSampleId :

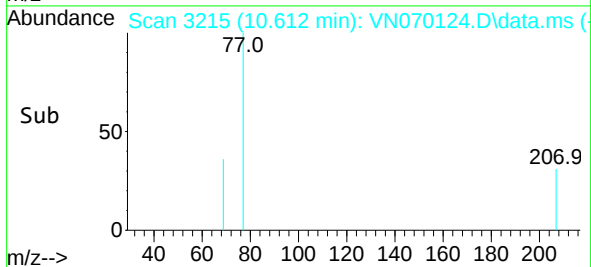
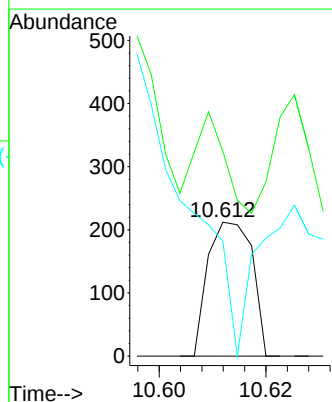
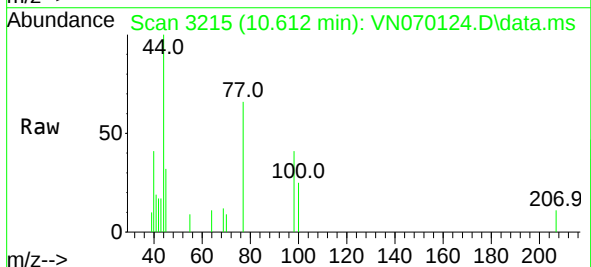


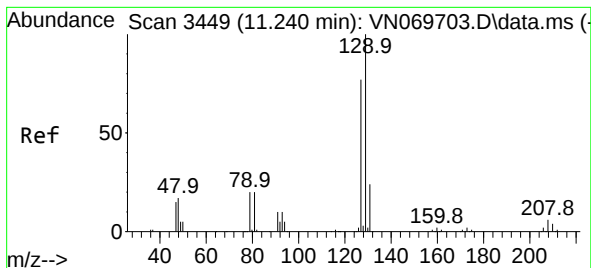
Tgt Ion: 75 Resp: 1966
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 35.8 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.283 ug/l
RT: 10.612 min Scan# 3215
Delta R.T. -0.150 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

Tgt Ion: 69 Resp: 122
Ion Ratio Lower Upper
69 100
41 95.1 51.4 77.0#
39 154.1 34.6 52.0#





#60

Dibromochloromethane

Concen: 2.382 ug/l

RT: 10.974 min Scan# 31

Delta R.T. -0.266 min

Lab File: VN070124.D

Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_N

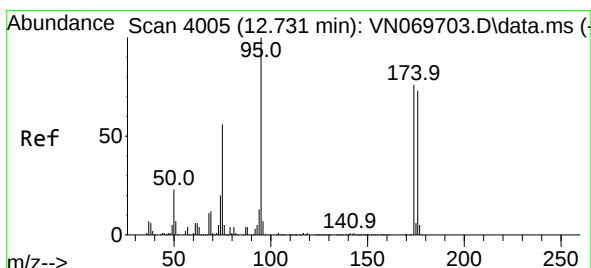
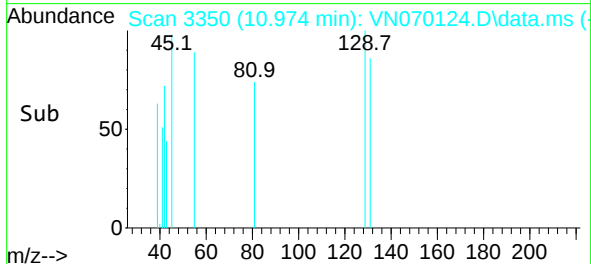
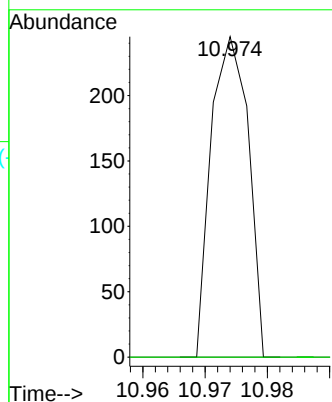
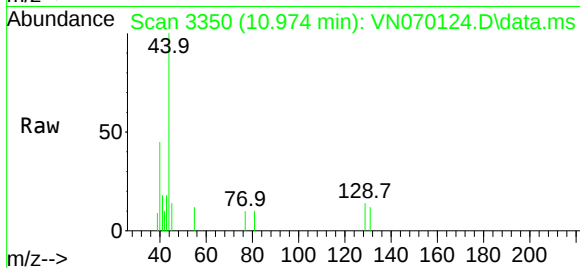
ClientSampleId :

Tgt Ion:129 Resp: 102

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



#62

4-Bromofluorobenzene

Concen: 66.514 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.002 min

Lab File: VN070124.D

Acq: 15 Dec 2021 20:34

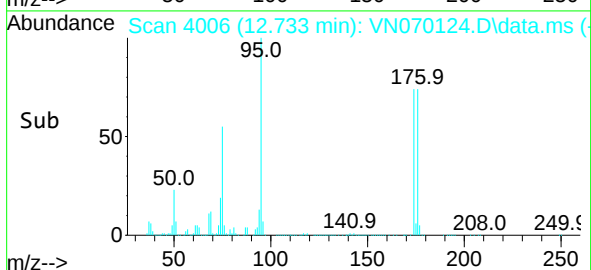
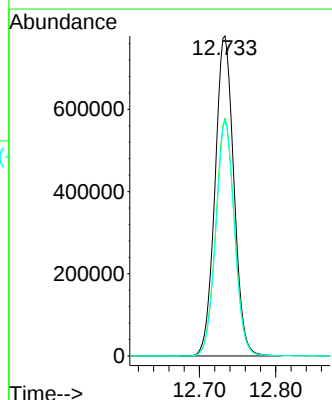
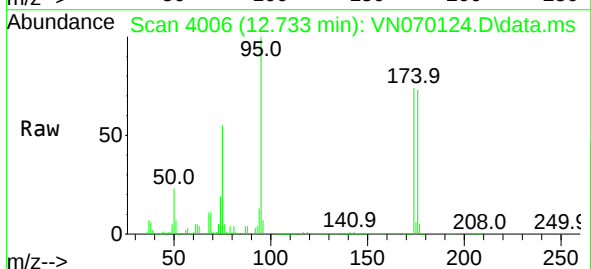
Tgt Ion: 95 Resp: 1335248

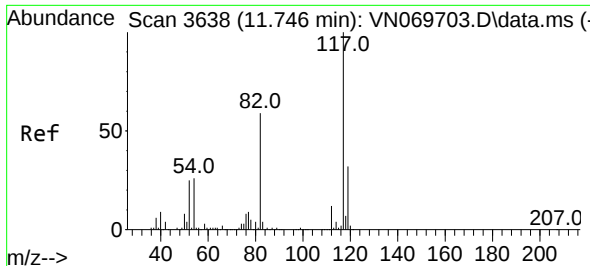
Ion Ratio Lower Upper

95 100

174 74.1 0.0 187.2

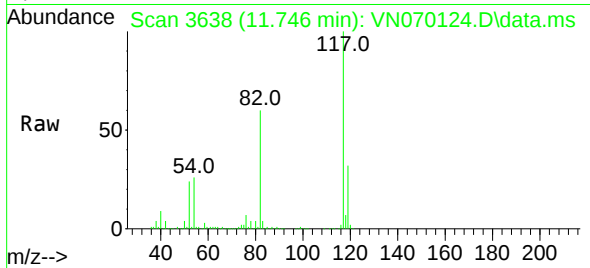
176 72.6 0.0 181.4



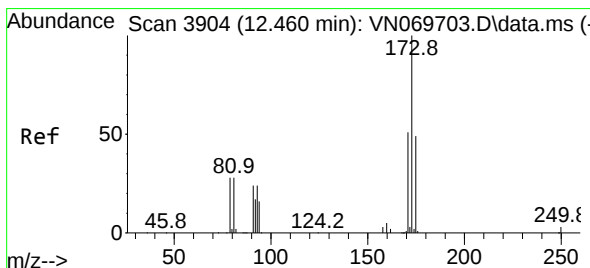
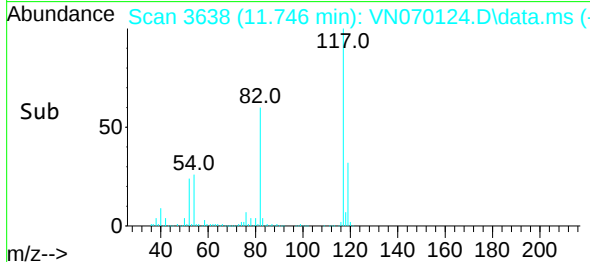
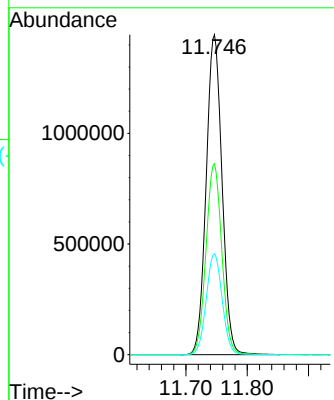


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

Instrument :
MSVOA_N
ClientSampleId :

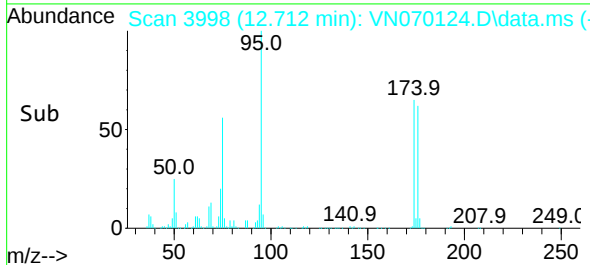
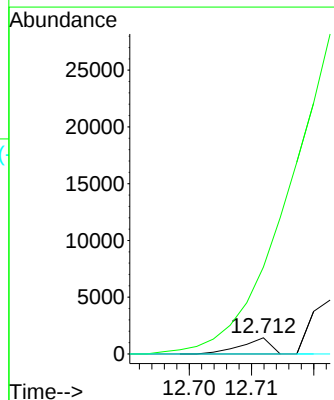
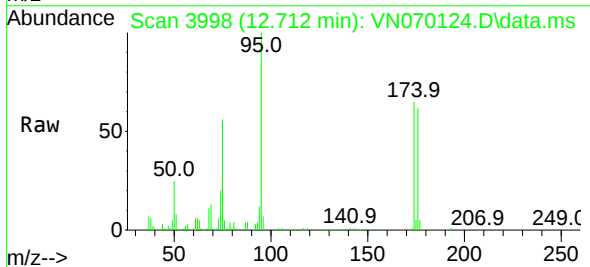


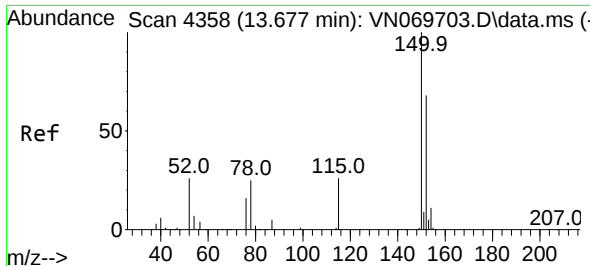
Tgt Ion:117 Resp: 2594215
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 31.5 25.4 38.2



#71
Bromoform
Concen: 2.759 ug/l
RT: 12.712 min Scan# 3998
Delta R.T. 0.252 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

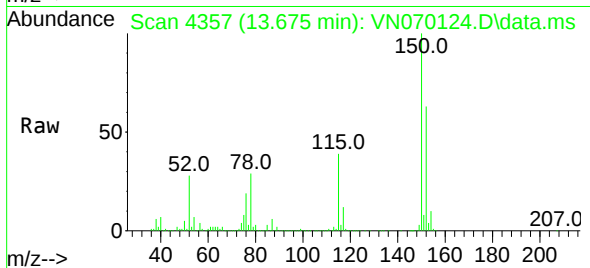
Tgt Ion:173 Resp: 463
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



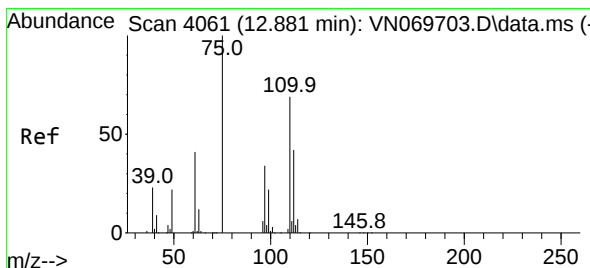
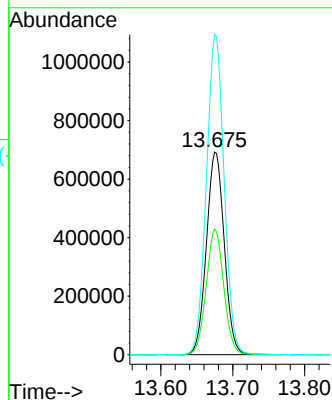
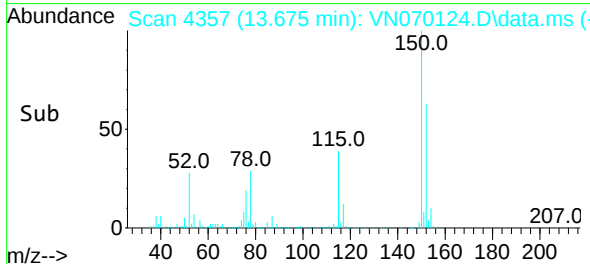


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070124.D
 Acq: 15 Dec 2021 20:34

Instrument :
 MSVOA_N
 ClientSampleId :

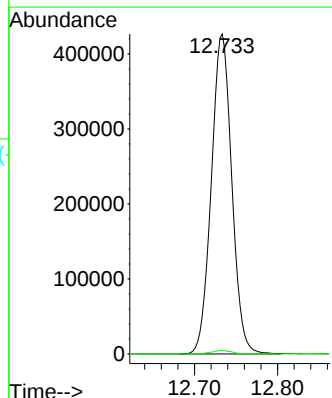
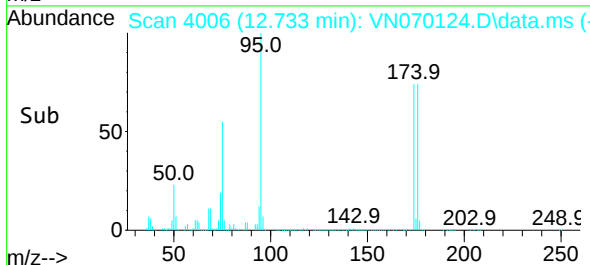
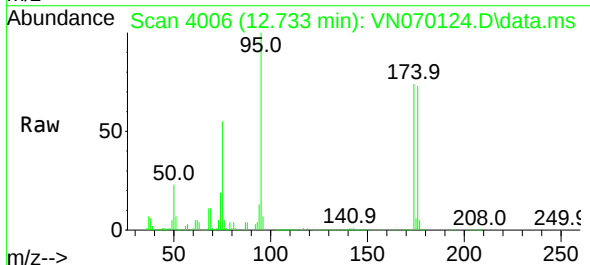


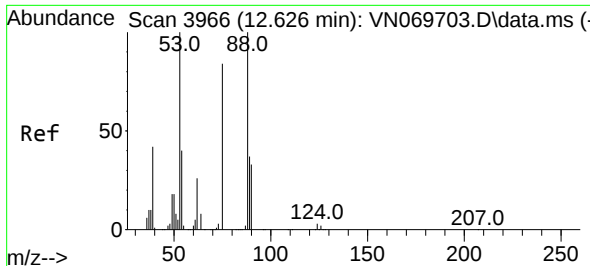
Tgt Ion:152 Resp: 1198060
 Ion Ratio Lower Upper
 152 100
 115 60.9 27.5 82.5
 150 157.3 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 21.209 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. -0.147 min
 Lab File: VN070124.D
 Acq: 15 Dec 2021 20:34

Tgt Ion: 75 Resp: 728707
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

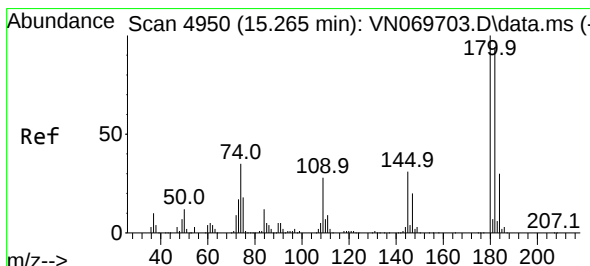
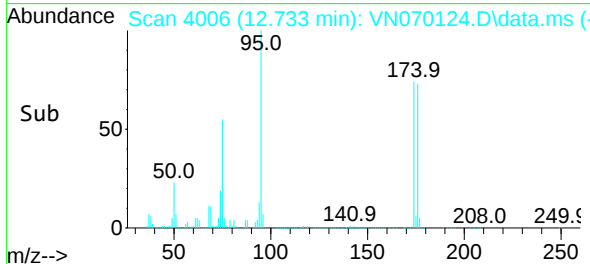
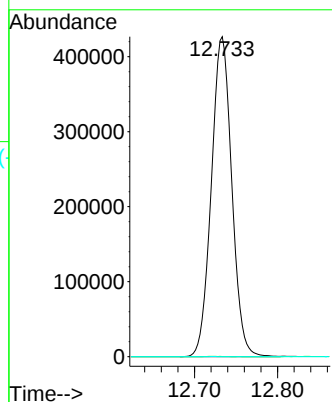
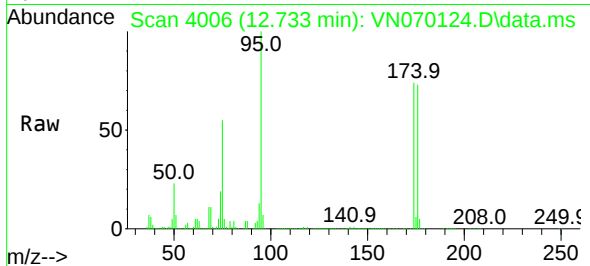




#81
trans-1,4-Dichloro-2-butene
Concen: 67.839 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

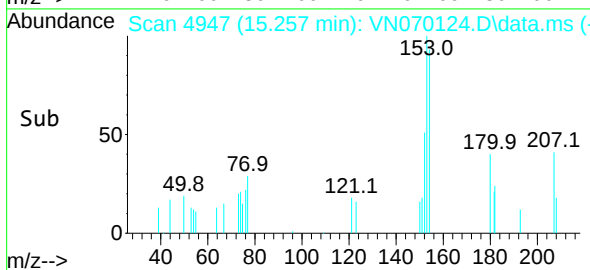
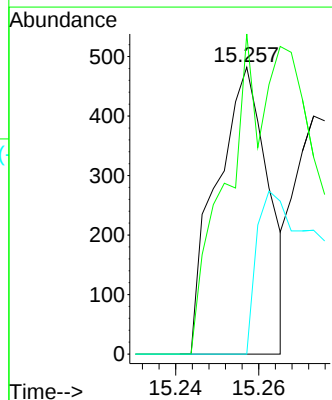
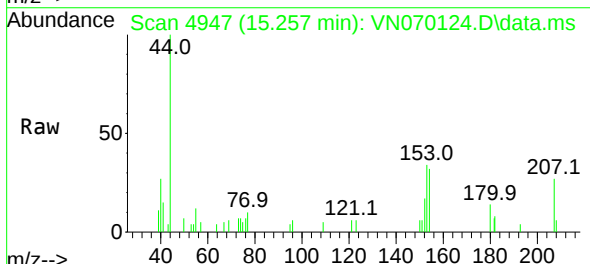
Instrument :
MSVOA_N
ClientSampleId :

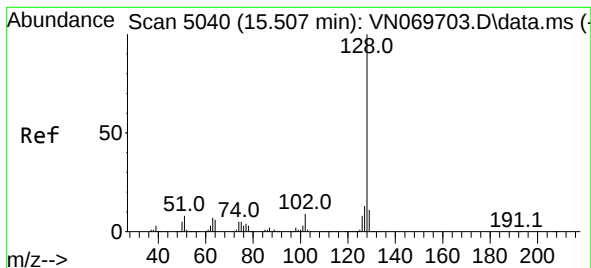
Tgt Ion: 75 Resp: 728707
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.898 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN070124.D
Acq: 15 Dec 2021 20:34

Tgt Ion:180 Resp: 419
Ion Ratio Lower Upper
180 100
182 191.6 48.3 144.9#
145 66.6 14.5 43.5#





#95

Naphthalene

Concen: 4.051 ug/l

RT: 15.504 min Scan# 5040

Delta R.T. -0.003 min

Lab File: VN070124.D

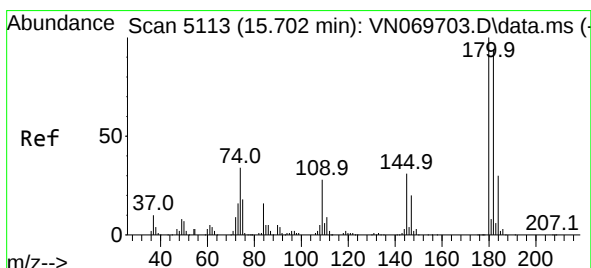
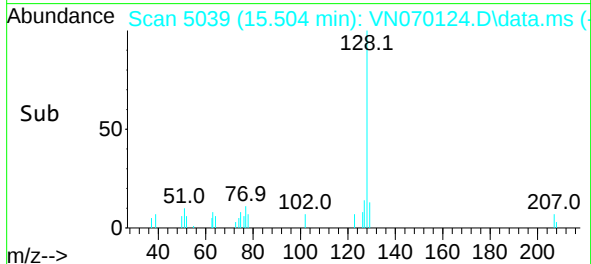
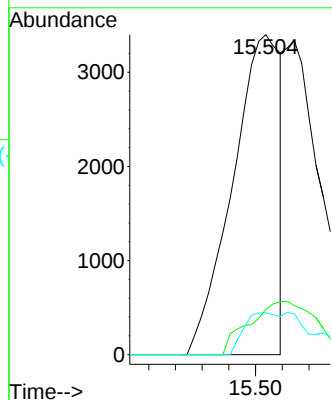
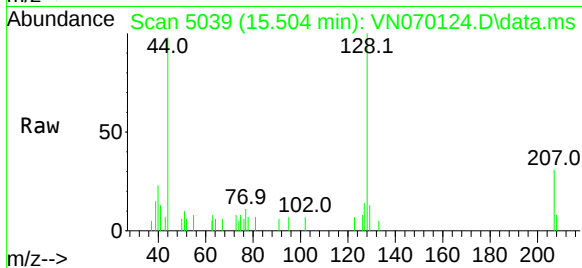
Acq: 15 Dec 2021 20:34

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:128	Resp:	4213
Ion Ratio	Lower	Upper
128	100	
127	22.8	10.5 15.7#
129	17.7	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.454 ug/l

RT: 15.705 min Scan# 5114

Delta R.T. 0.003 min

Lab File: VN070124.D

Acq: 15 Dec 2021 20:34

Tgt Ion:180	Resp:	367
Ion Ratio	Lower	Upper
180	100	
182	189.1	47.4 142.2#
145	16.9	15.0 45.1

