

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121621\
 Data File : VN070151.D
 Acq On : 16 Dec 2021 20:56
 Operator : JC/MD
 Sample : M5131-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 17 01:05:01 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)

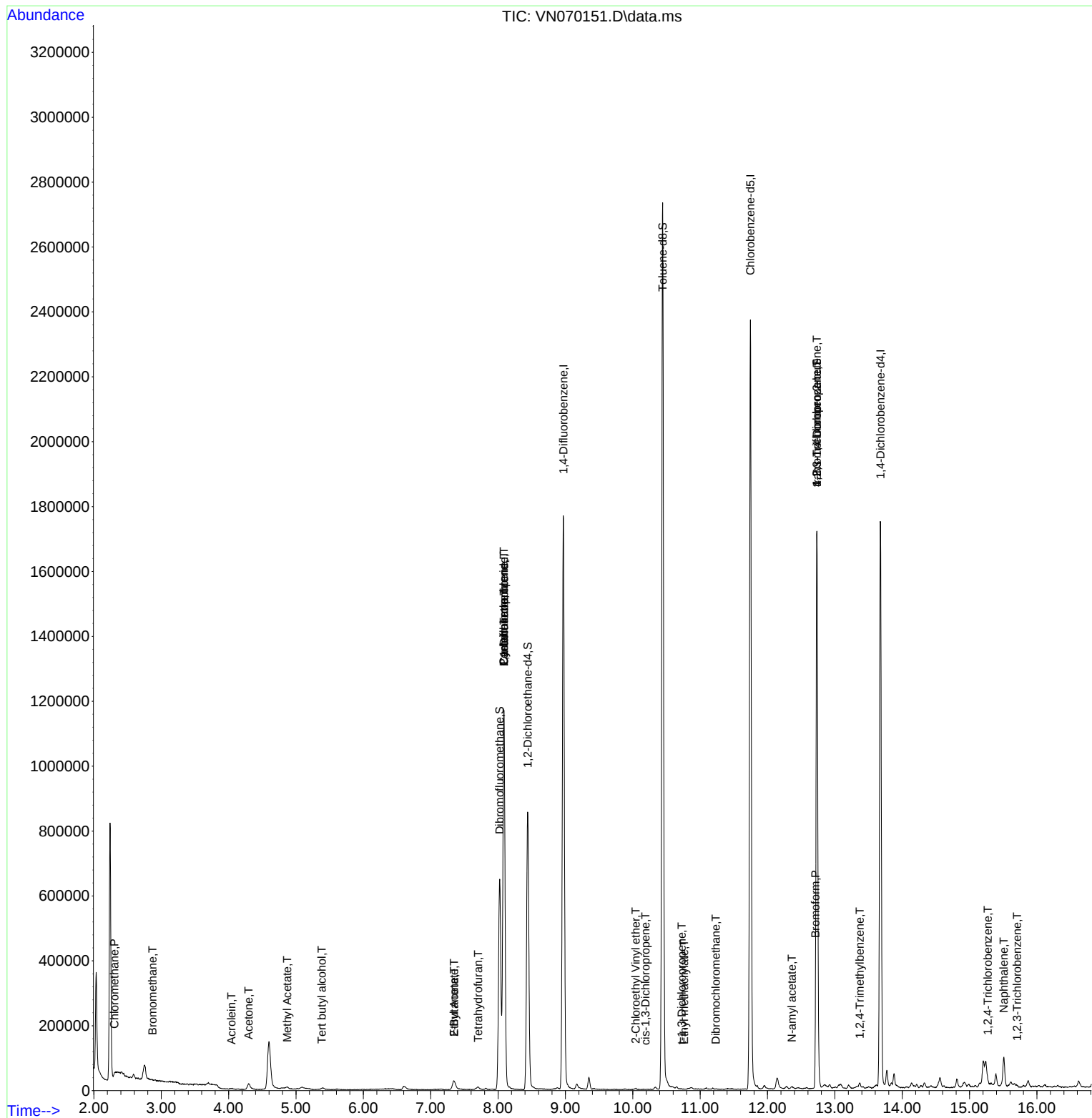
Internal Standards						
1) Pentafluorobenzene	8.088	168	877216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1483548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1317911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	467520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	748342	55.252	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.500%	
35) Dibromofluoromethane	8.024	113	475431	51.162	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.320%	
50) Toluene-d8	10.443	98	1864703	49.975	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.940%	
62) 4-Bromofluorobenzene	12.734	95	608837	45.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 90.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	3141	0.245	ug/l	98
5) Bromomethane	2.869	94	1396	0.218	ug/l #	74
11) Tert butyl alcohol	5.382	59	3500	1.367	ug/l #	92
13) Acrolein	4.041	56	1573	0.721	ug/l #	1
16) Acetone	4.296	43	33936	4.165	ug/l	96
18) Methyl Acetate	4.870	43	10840	0.441	ug/l	100
25) 2-Butanone	7.348	43	40292	3.640	ug/l #	89
29) Tetrahydrofuran	7.705	42	7006	1.042	ug/l #	66
31) Cyclohexane	8.086	56	22301	1.183	ug/l #	26
36) 1,1-Dichloropropene	8.088	75	75345	5.335	ug/l #	48
37) Ethyl Acetate	7.348	43	40292	1.917	ug/l #	68
38) Carbon Tetrachloride	8.086	117	88979	6.425	ug/l #	16
53) t-1,3-Dichloropropene	10.727	75	134	2.801	ug/l #	10
54) cis-1,3-Dichloropropene	10.188	75	77	2.003	ug/l #	32
56) Ethyl methacrylate	10.762	69	178	2.288	ug/l #	35
58) 2-Chloroethyl Vinyl ether	10.044	63	1059	18.570	ug/l #	67
60) Dibromochloromethane	11.234	129	26	2.378	ug/l #	11
71) Bromoform	12.712	173	205	2.755	ug/l #	29
74) N-amyl acetate	12.361	43	6242	0.339	ug/l #	44
76) 1,2,3-Trichloropropane	12.734	75	334516	24.950	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	334516	79.087	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.369	105	7969	0.250	ug/l	92
93) 1,2,4-Trichlorobenzene	15.271	180	791	2.975	ug/l #	80
95) Naphthalene	15.507	128	80458	7.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	1203	2.589	ug/l	84

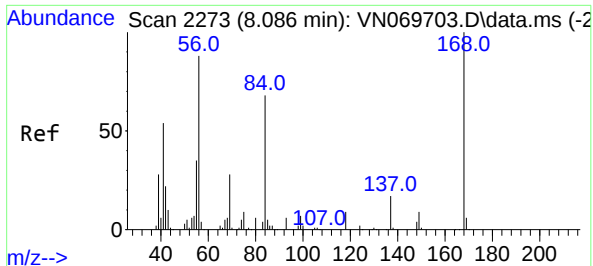
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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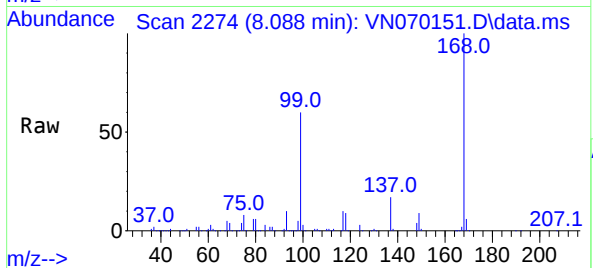
Quant Time: Dec 17 01:05:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



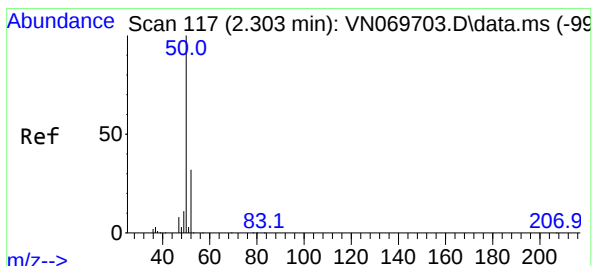
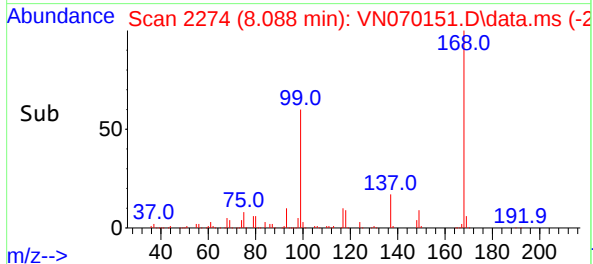
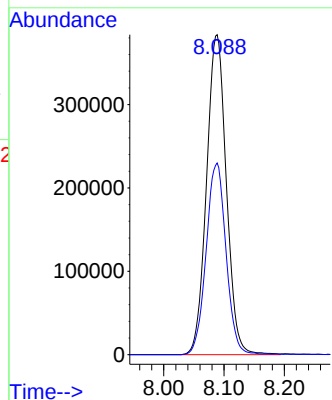


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Instrument :
MSVOA_N
ClientSampleId :

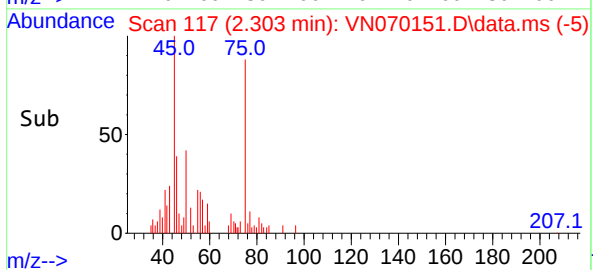
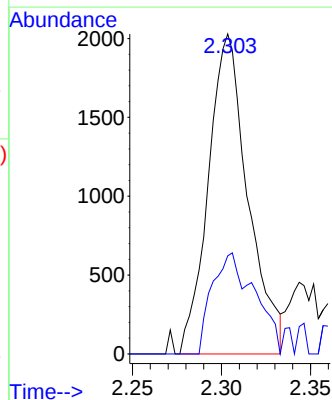
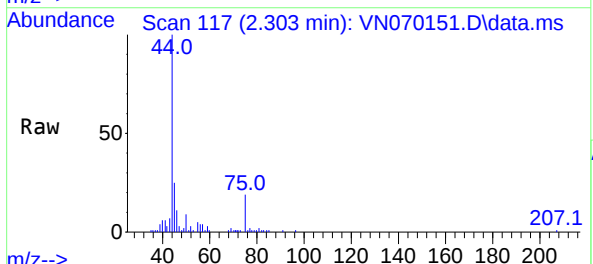


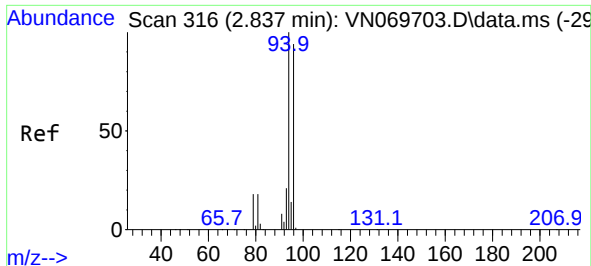
Tgt Ion:168 Resp: 877216
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9



#3
Chloromethane
Concen: 0.245 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Tgt Ion: 50 Resp: 3141
Ion Ratio Lower Upper
50 100
52 30.7 25.4 38.0

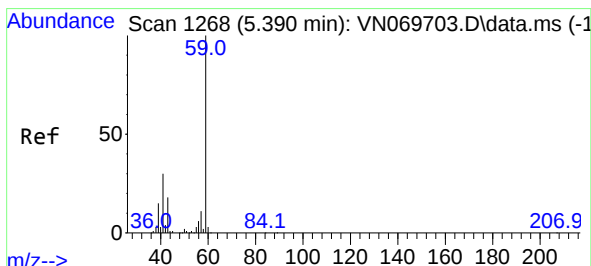
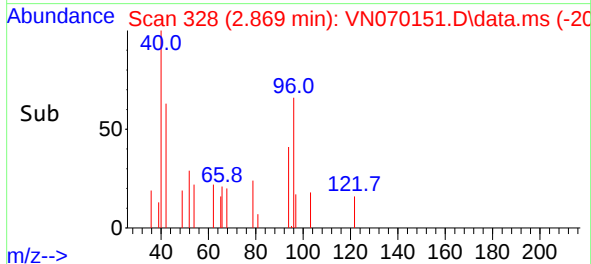
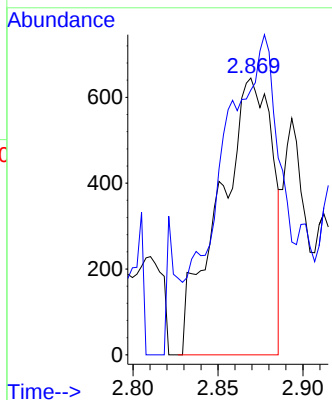
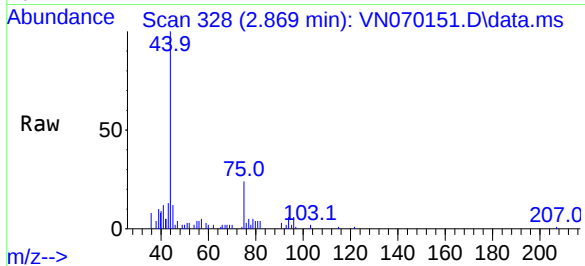




#5
Bromomethane
Concen: 0.218 ug/l
RT: 2.869 min Scan# 316
Delta R.T. 0.032 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

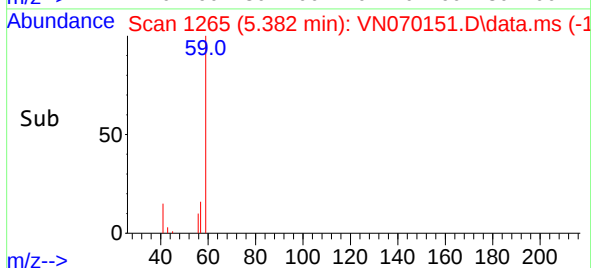
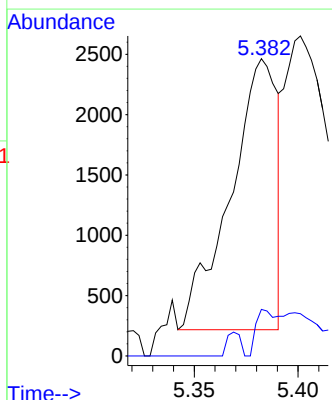
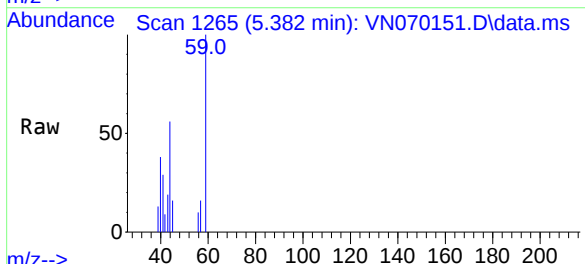
Instrument :
MSVOA_N
ClientSampleId :

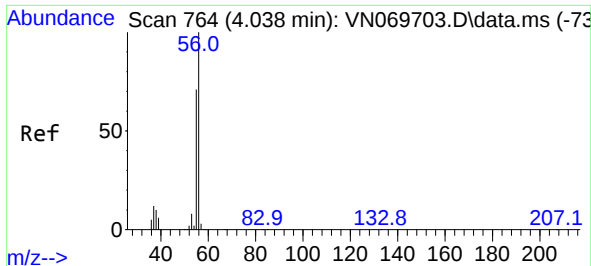
Tgt Ion: 94 Resp: 1396
Ion Ratio Lower Upper
94 100
96 67.9 73.8 110.8#



#11
Tert butyl alcohol
Concen: 1.367 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.008 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Tgt Ion: 59 Resp: 3500
Ion Ratio Lower Upper
59 100
57 7.7 8.7 13.1#

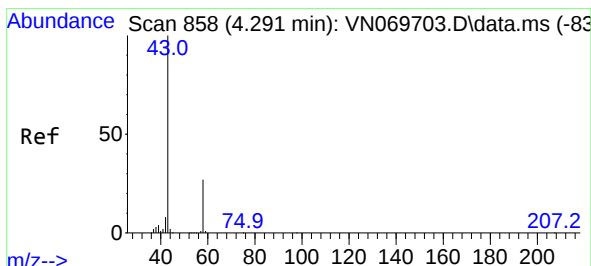
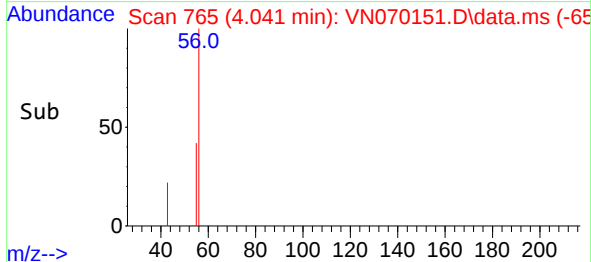
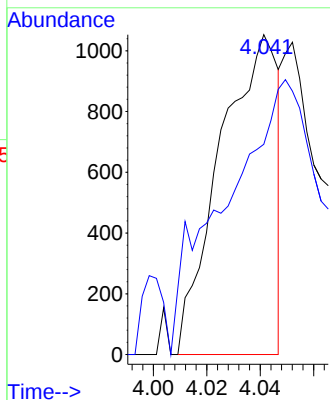
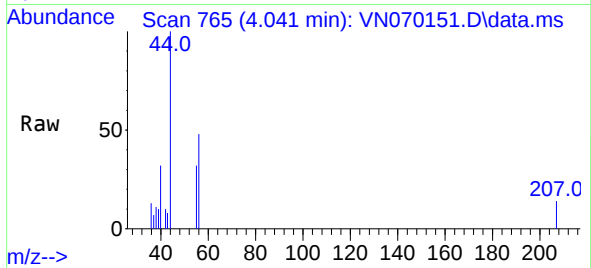




#13
Acrolein
Concen: 0.721 ug/l
RT: 4.041 min Scan# 765
Delta R.T. 0.003 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

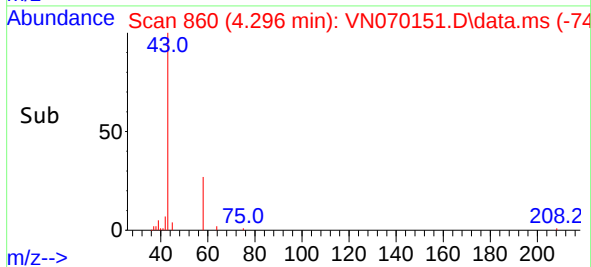
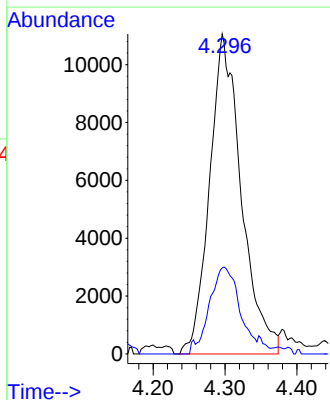
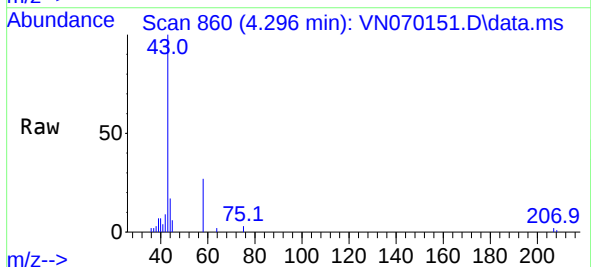
Instrument :
MSVOA_N
ClientSampleId :

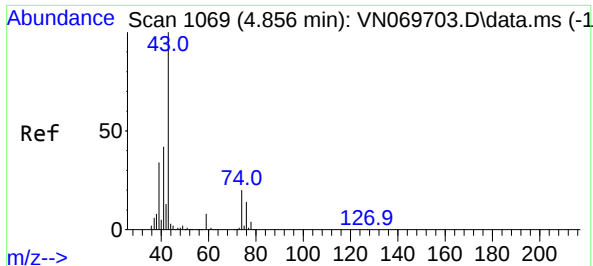
Tgt Ion: 56 Resp: 1573
Ion Ratio Lower Upper
56 100
55 158.9 56.6 85.0#



#16
Acetone
Concen: 4.165 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.006 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Tgt Ion: 43 Resp: 33936
Ion Ratio Lower Upper
43 100
58 26.9 23.1 34.7

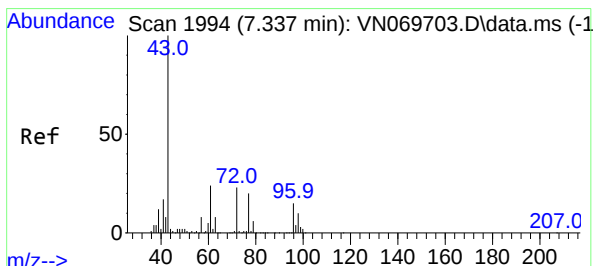
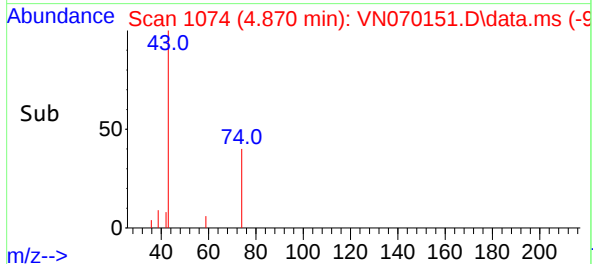
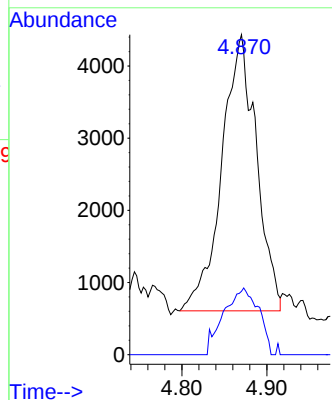
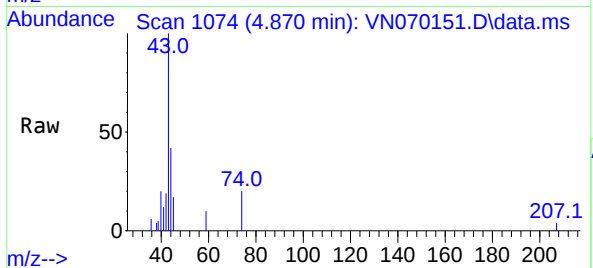




#18
Methyl Acetate
Concen: 0.441 ug/l
RT: 4.870 min Scan# 1069
Delta R.T. 0.014 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

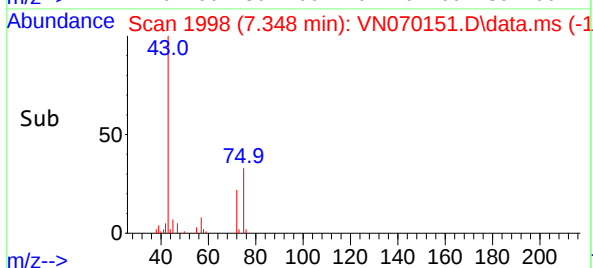
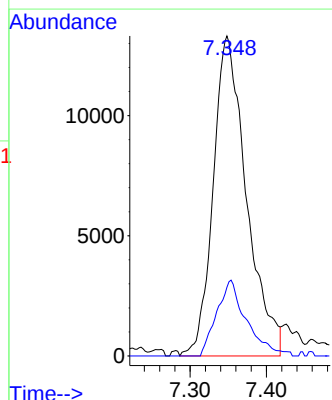
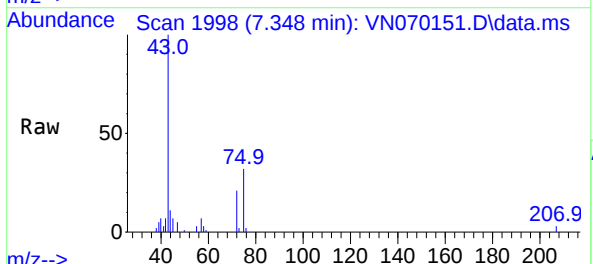
Instrument :
MSVOA_N
ClientSampleId :

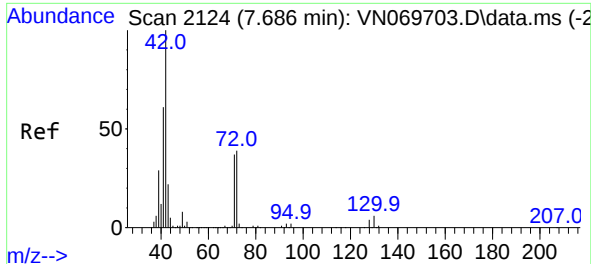
Tgt Ion: 43 Resp: 10840
Ion Ratio Lower Upper
43 100
74 24.3 19.4 29.2



#25
2-Butanone
Concen: 3.640 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.011 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Tgt Ion: 43 Resp: 40292
Ion Ratio Lower Upper
43 100
72 21.4 21.7 32.5#





#29

Tetrahydrofuran

Concen: 1.042 ug/l

RT: 7.705 min Scan# 21

Delta R.T. 0.019 min

Lab File: VN070151.D

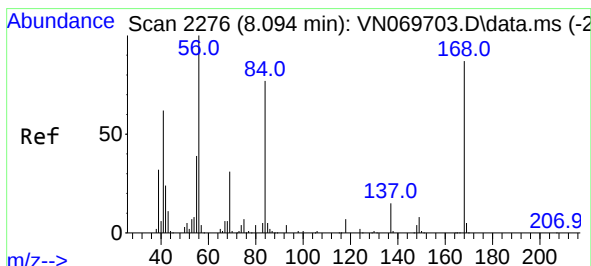
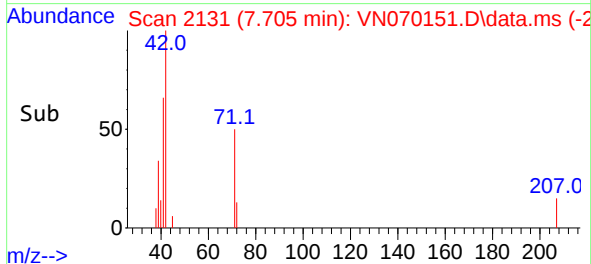
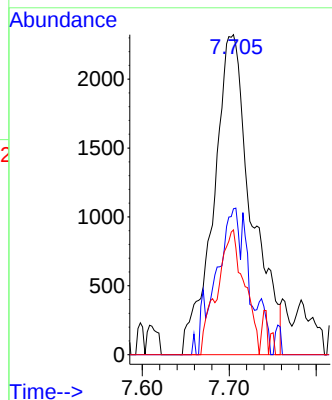
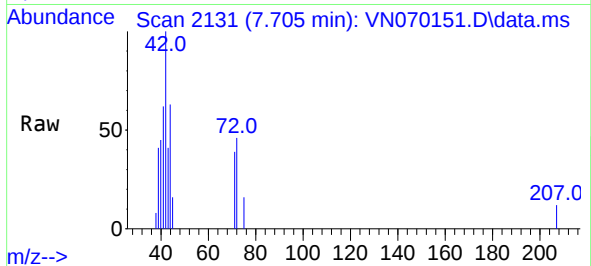
Acq: 16 Dec 2021 20:56

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	7006
Ion	Ratio	Lower	Upper
42	100		
72	17.1	36.3	54.5#
71	28.2	34.7	52.1#



#31

Cyclohexane

Concen: 1.183 ug/l

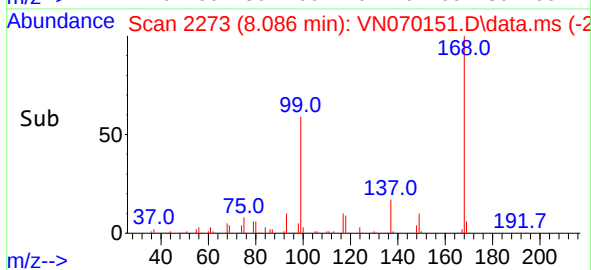
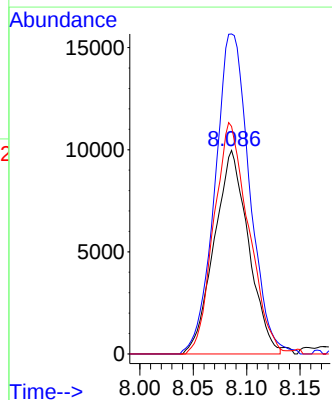
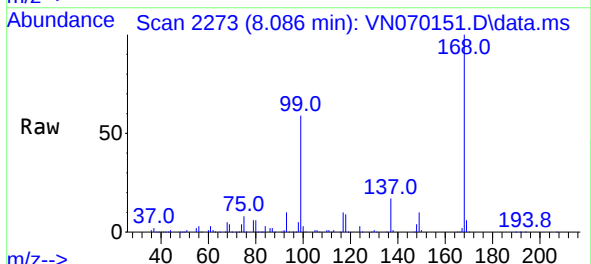
RT: 8.086 min Scan# 2273

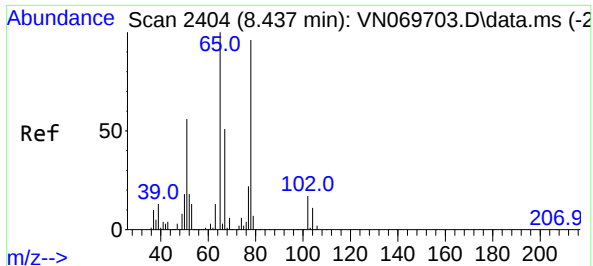
Delta R.T. -0.008 min

Lab File: VN070151.D

Acq: 16 Dec 2021 20:56

Tgt Ion:	56	Resp:	22301
Ion	Ratio	Lower	Upper
56	100		
69	157.2	27.1	40.7#
84	111.8	73.4	110.0#

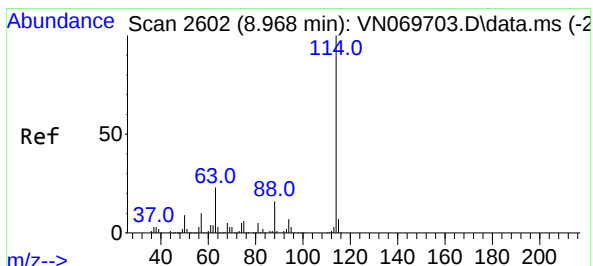
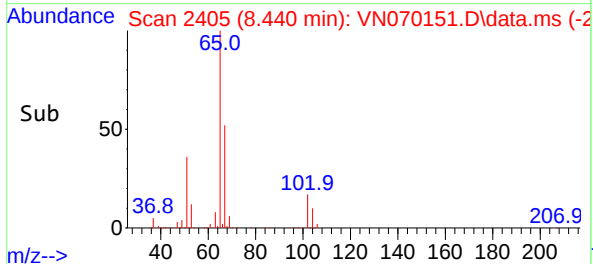
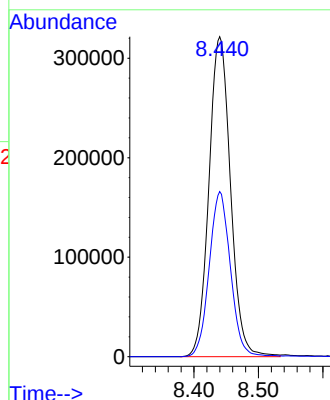
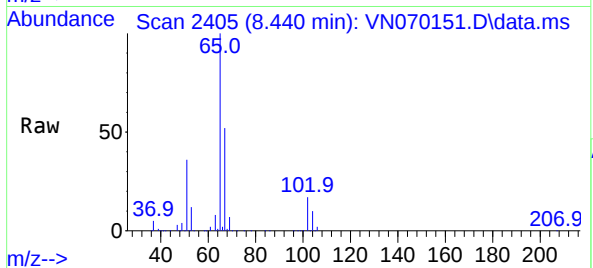




#33
1,2-Dichloroethane-d4
Concen: 55.252 ug/l
RT: 8.440 min Scan# 24
Delta R.T. 0.003 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

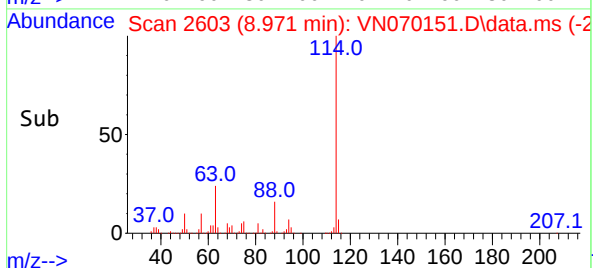
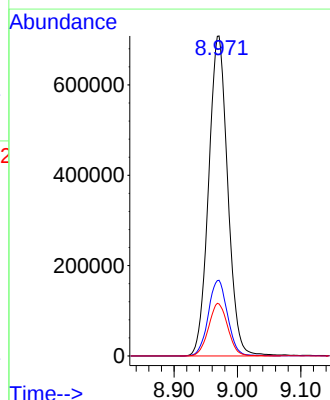
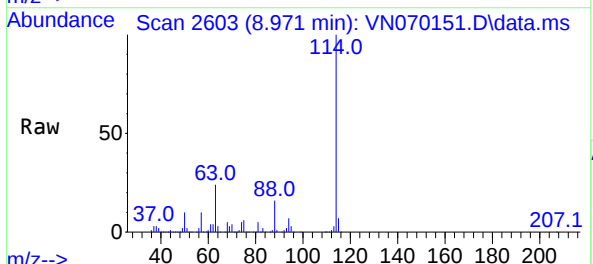
Instrument :
MSVOA_N
ClientSampleId :

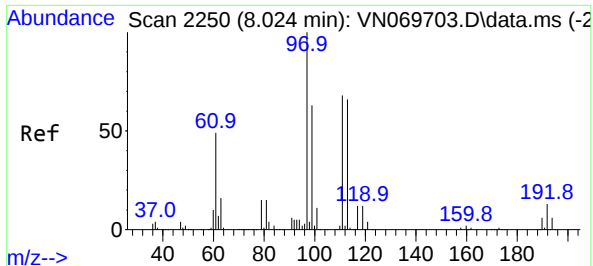
Tgt Ion: 65 Resp: 748342
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

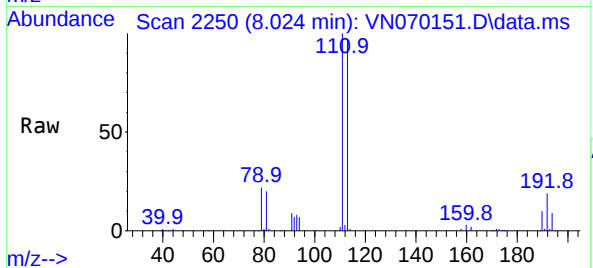
Tgt Ion:114 Resp: 1483548
Ion Ratio Lower Upper
114 100
63 23.6 0.0 37.8
88 16.3 0.0 27.4



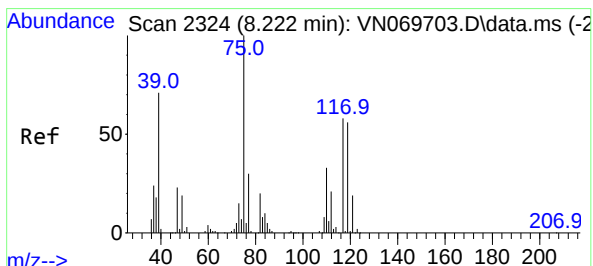
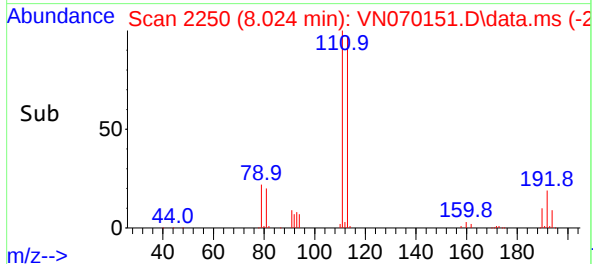
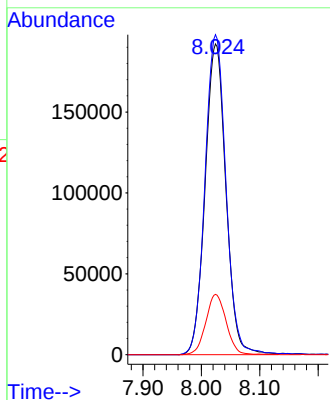


#35
Dibromofluoromethane
Concen: 51.162 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Instrument :
MSVOA_N
ClientSampleId :

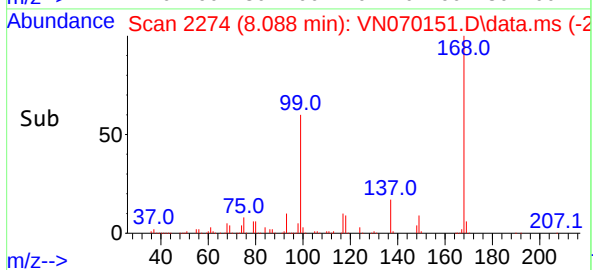
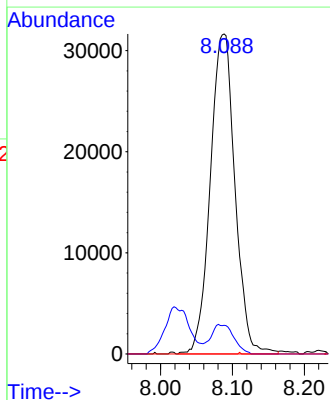
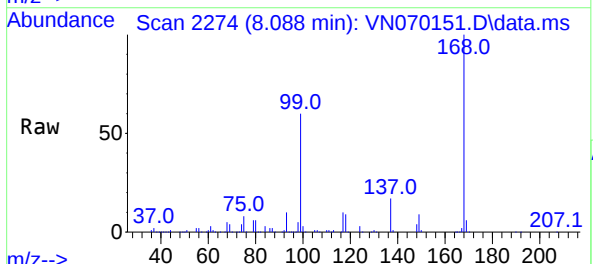


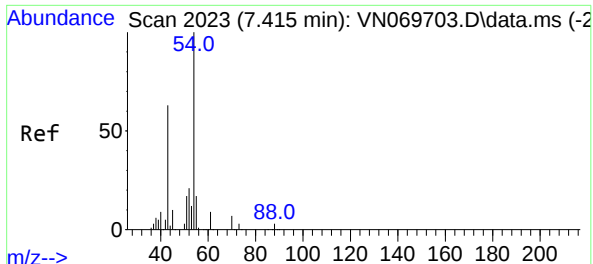
Tgt Ion:113 Resp: 475431
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 18.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.335 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Tgt Ion: 75 Resp: 75345
Ion Ratio Lower Upper
75 100
110 8.4 18.4 55.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.917 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. -0.067 min

Lab File: VN070151.D

Acq: 16 Dec 2021 20:56

Instrument :

MSVOA_N

ClientSampleId :

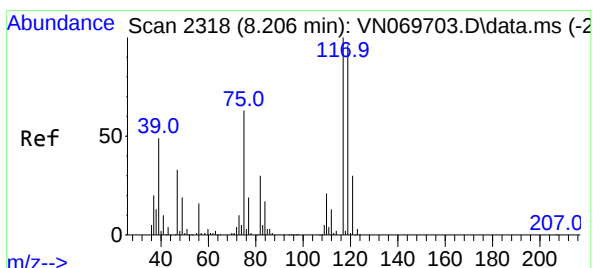
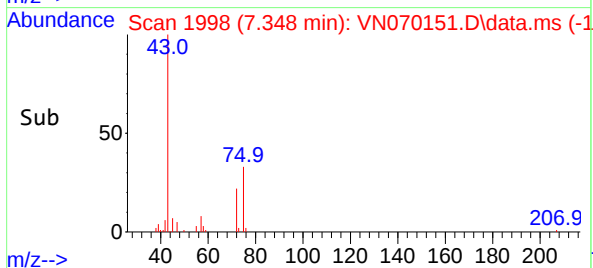
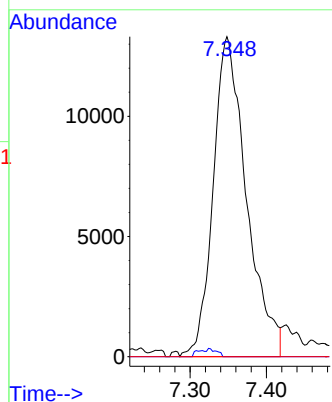
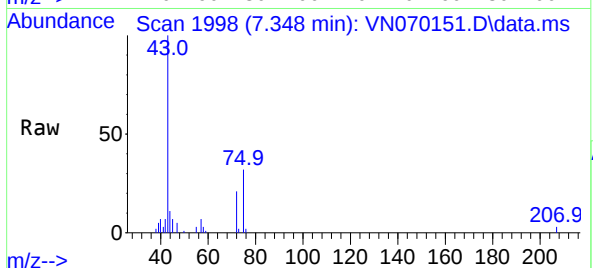
Tgt Ion: 43 Resp: 40292

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 6.425 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN070151.D

Acq: 16 Dec 2021 20:56

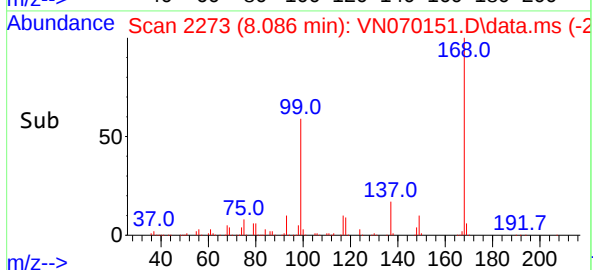
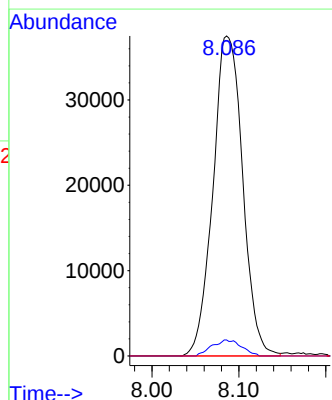
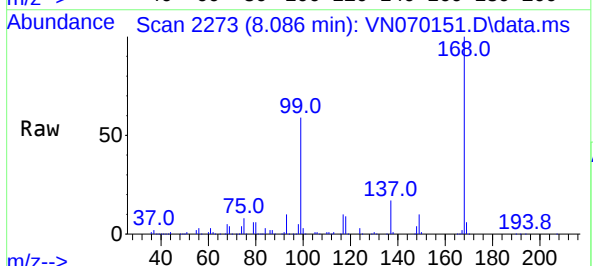
Tgt Ion: 117 Resp: 88979

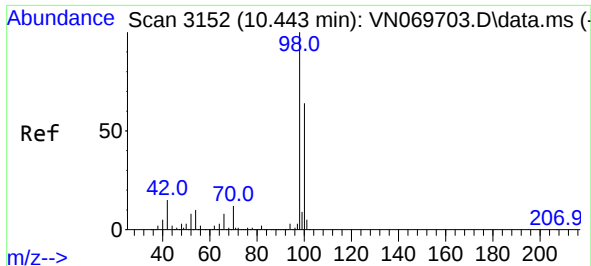
Ion Ratio Lower Upper

117 100

119 5.0 76.1 114.1#

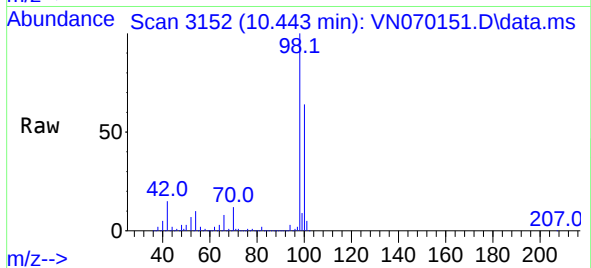
121 0.0 24.2 36.2#



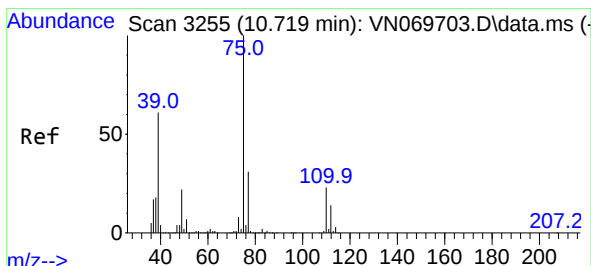
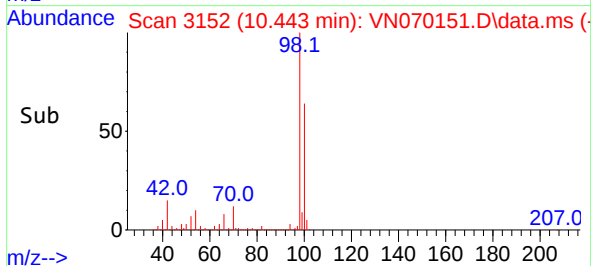
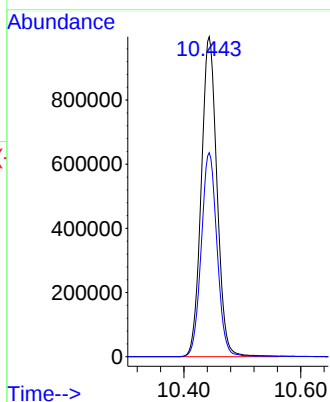


#50
Toluene-d8
Concen: 49.975 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Instrument :
MSVOA_N
ClientSampleId :

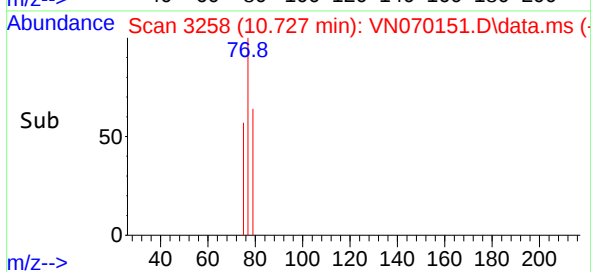
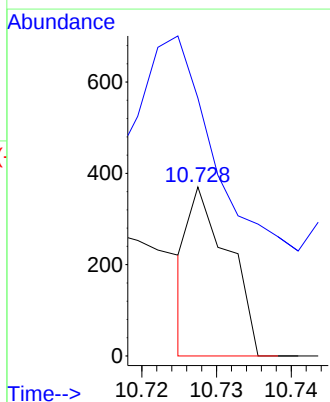
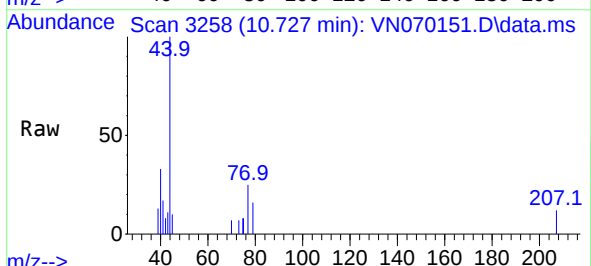


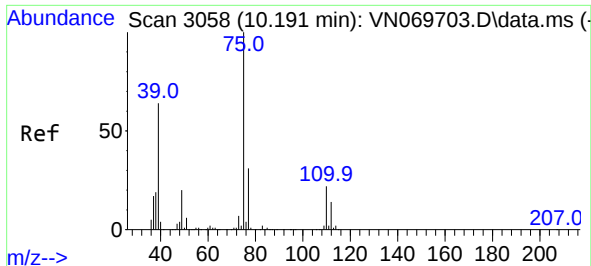
Tgt Ion: 98 Resp: 1864703
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.801 ug/l
RT: 10.727 min Scan# 3258
Delta R.T. 0.008 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

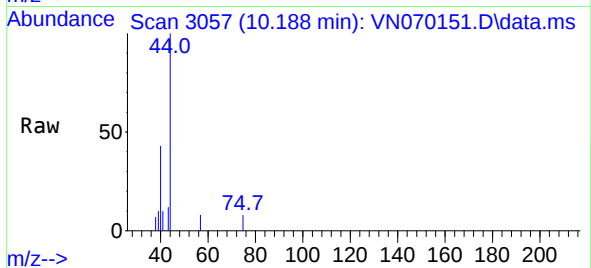
Tgt Ion: 75 Resp: 134
Ion Ratio Lower Upper
75 100
77 82.2 25.6 38.4#



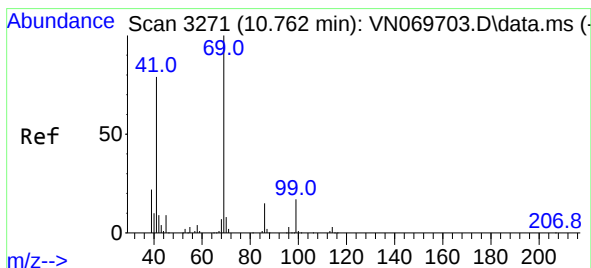
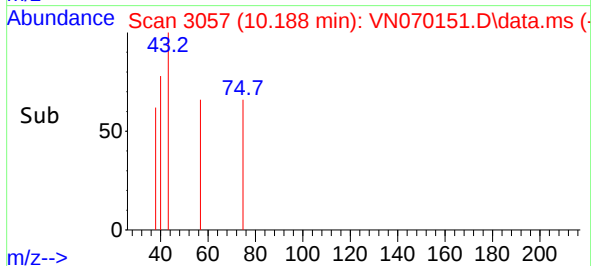
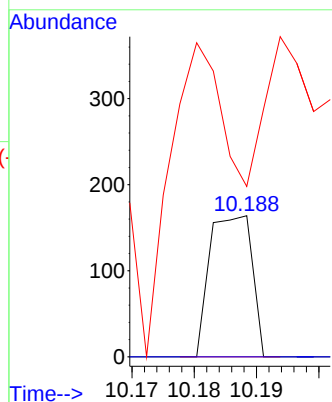


#54
cis-1,3-Dichloropropene
Concen: 2.003 ug/l
RT: 10.188 min Scan# 3058
Delta R.T. -0.003 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Instrument :
MSVOA_N
ClientSampleId :

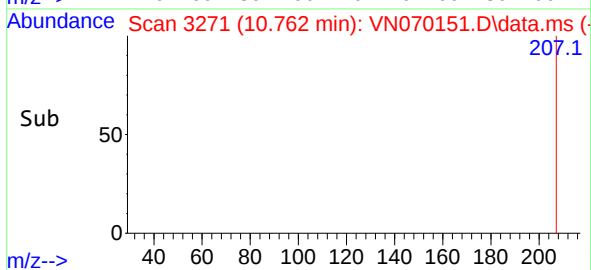
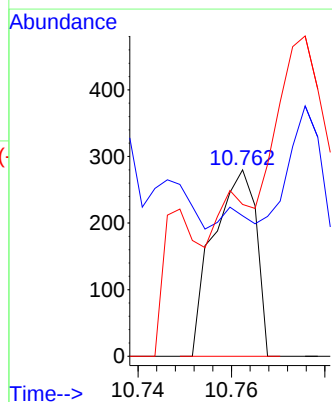
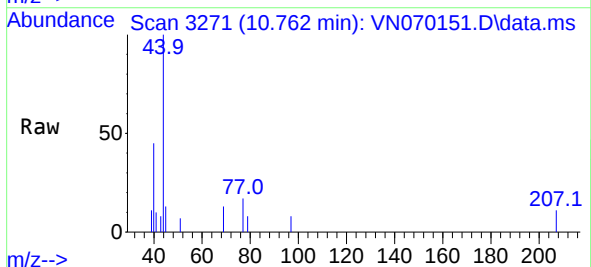


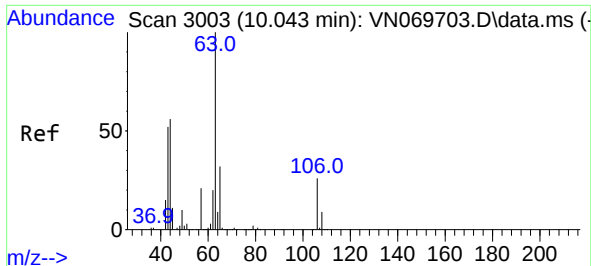
Tgt Ion: 75 Resp: 77
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 0.0 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.288 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Tgt Ion: 69 Resp: 178
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 69.7 34.6 52.0#

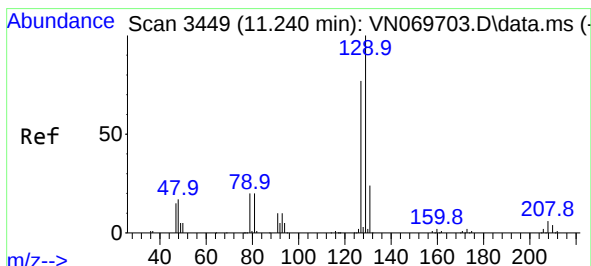
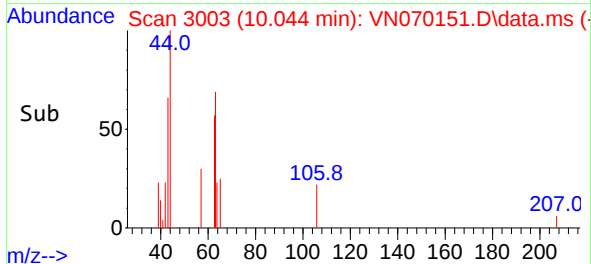
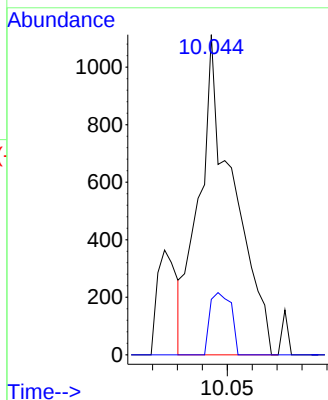
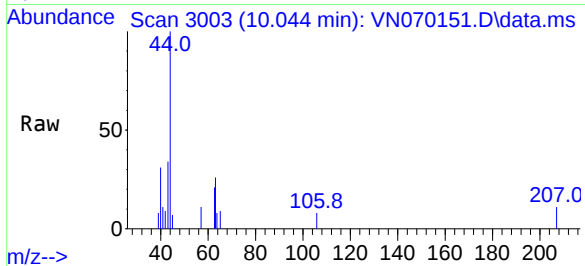




#58
2-Chloroethyl Vinyl ether
Concen: 18.570 ug/l
RT: 10.044 min Scan# 3003
Delta R.T. 0.001 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

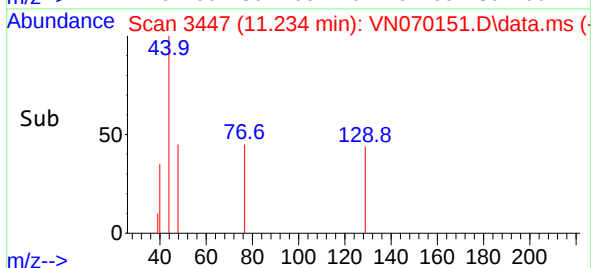
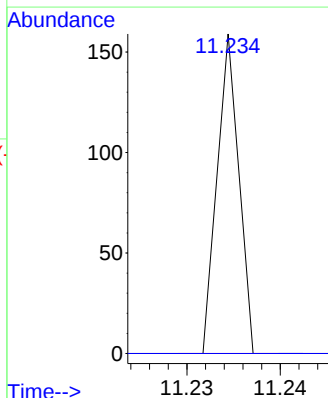
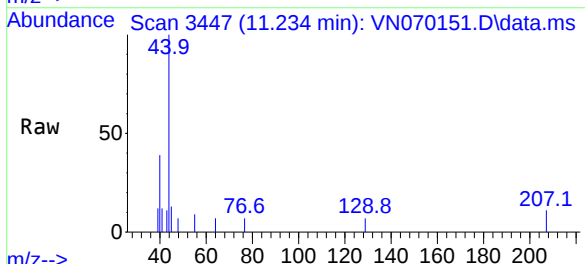
Instrument :
MSVOA_N
ClientSampleId :

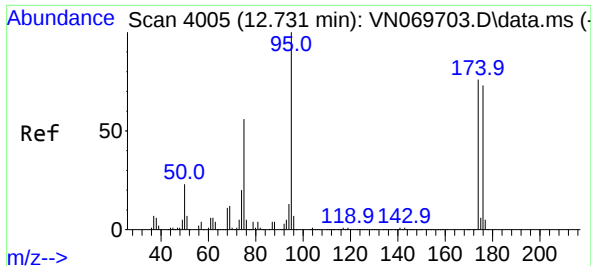
Tgt Ion: 63 Resp: 1059
Ion Ratio Lower Upper
63 100
106 11.9 23.9 35.9#



#60
Dibromochloromethane
Concen: 2.378 ug/l
RT: 11.234 min Scan# 3447
Delta R.T. -0.006 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Tgt Ion: 129 Resp: 26
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

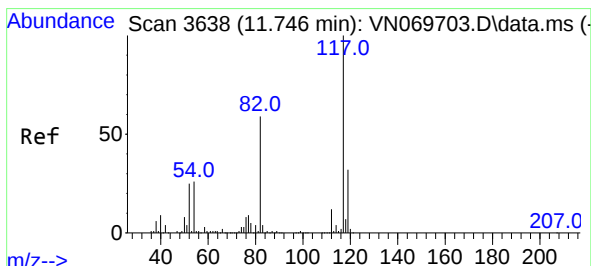
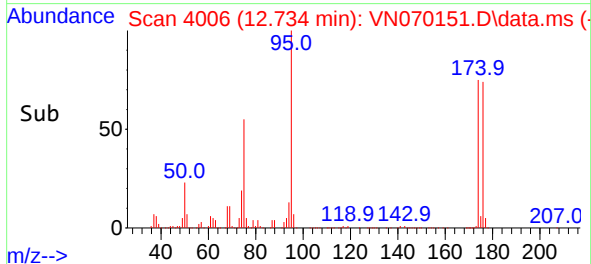
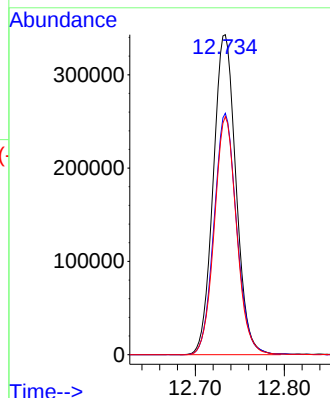
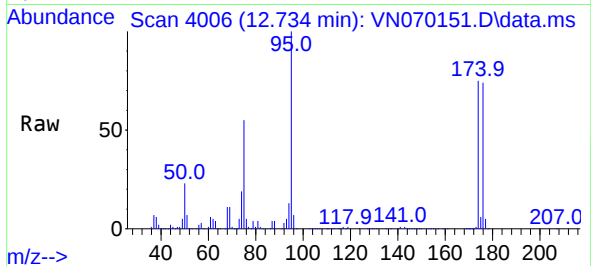




#62
4-Bromofluorobenzene
Concen: 45.040 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

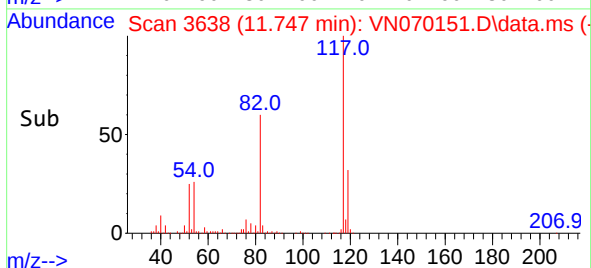
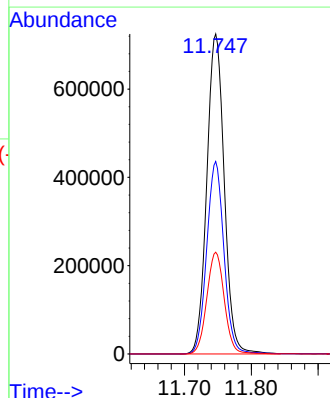
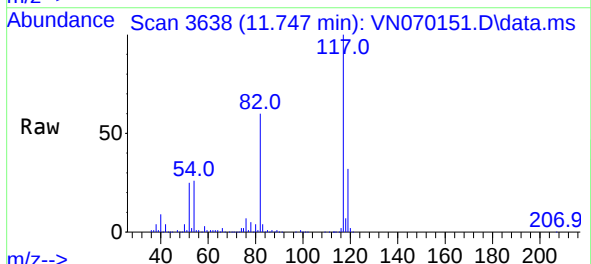
Instrument :
MSVOA_N
ClientSampleId :

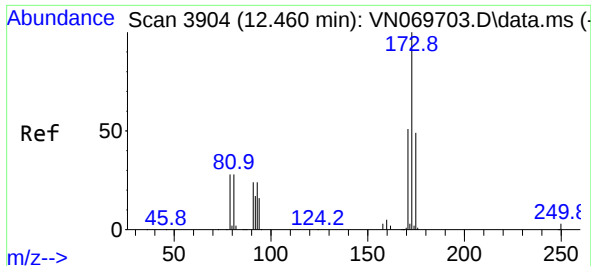
Tgt Ion: 95 Resp: 608837
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 72.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Tgt Ion: 117 Resp: 1317911
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 31.8 25.4 38.2

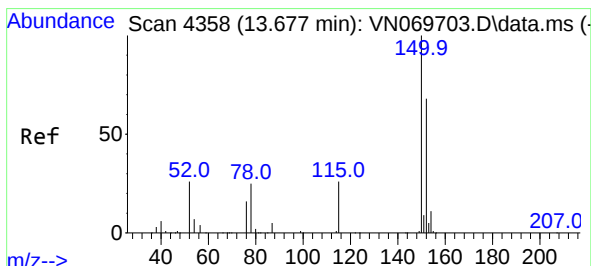
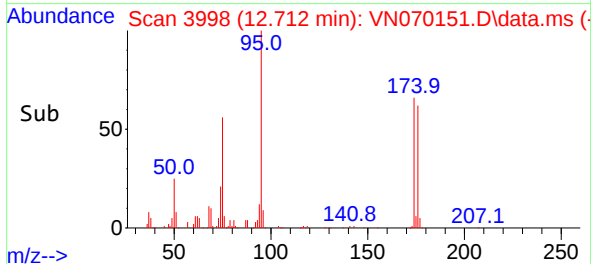
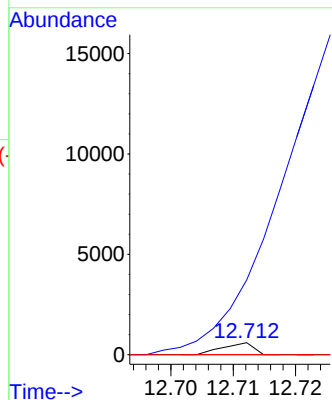
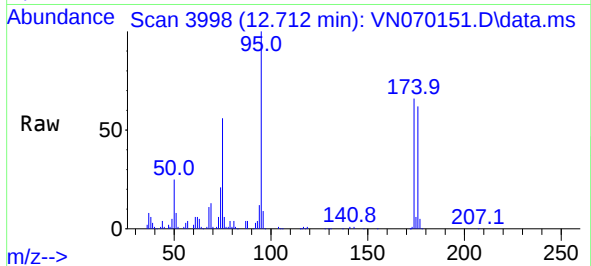




#71
Bromoform
Concen: 2.755 ug/l
RT: 12.712 min Scan# 3904
Delta R.T. 0.252 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

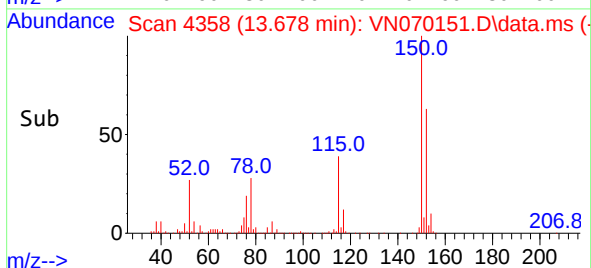
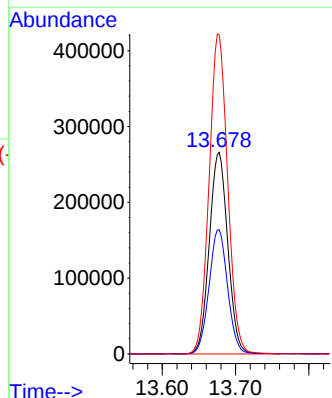
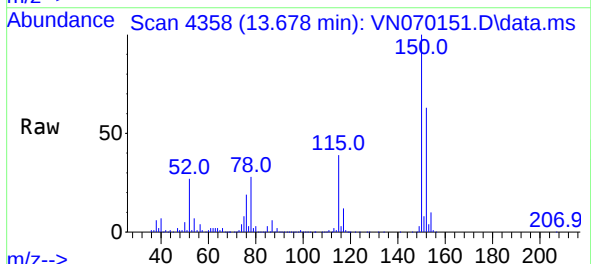
Instrument :
MSVOA_N
ClientSampleId :

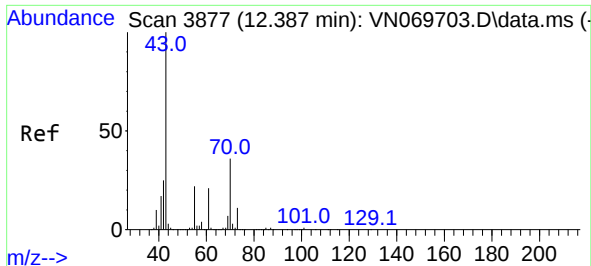
Tgt Ion:173 Resp: 205
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

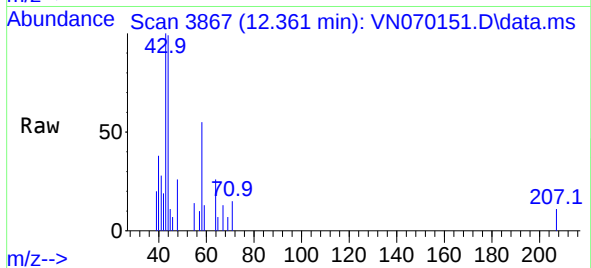
Tgt Ion:152 Resp: 467520
Ion Ratio Lower Upper
152 100
115 61.5 27.5 82.5
150 158.8 0.0 344.4



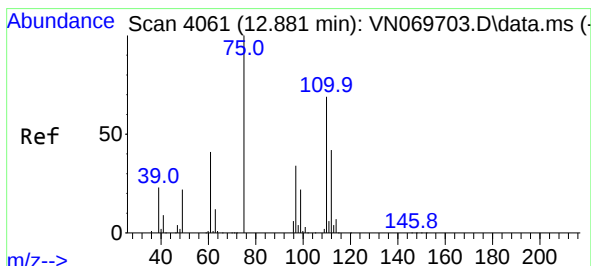
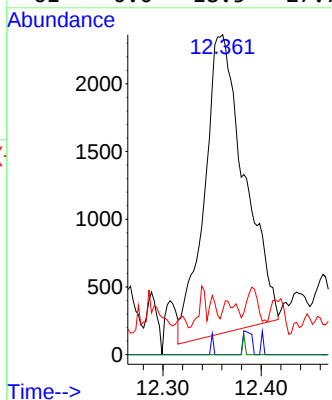
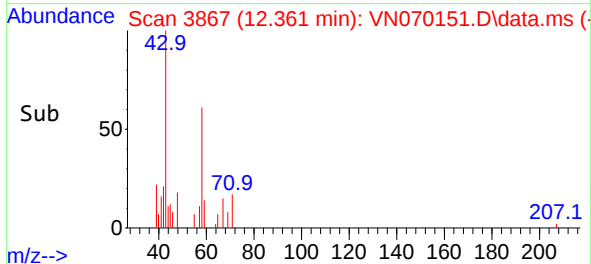


#74
N-amy1 acetate
Concen: 0.339 ug/l
RT: 12.361 min Scan# 31
Delta R.T. -0.027 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

Instrument :
MSVOA_N
ClientSampleId :

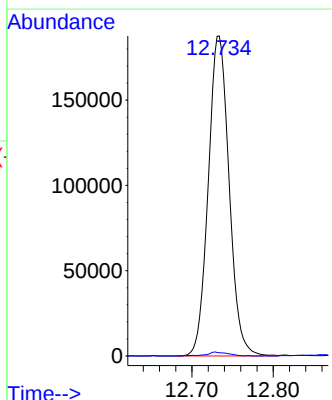
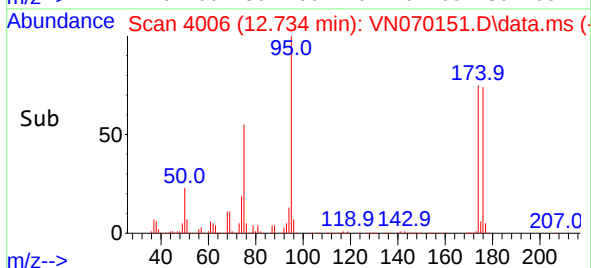
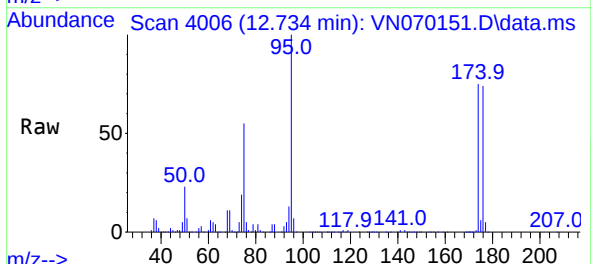


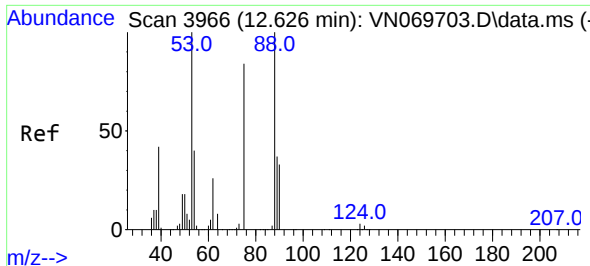
Tgt Ion: 43 Resp: 6242
Ion Ratio Lower Upper
43 100
70 0.4 33.4 50.0#
55 0.0 19.3 28.9#
61 0.0 18.5 27.7#



#76
1,2,3-Trichloropropane
Concen: 24.950 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

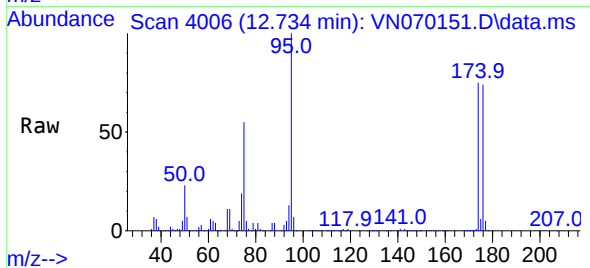
Tgt Ion: 75 Resp: 334516
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



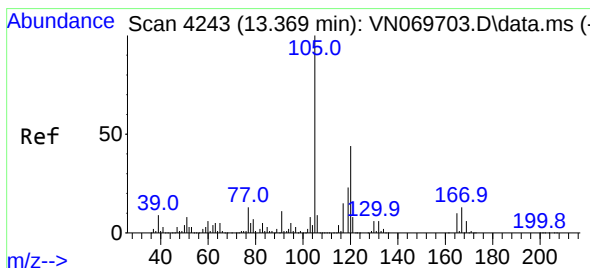
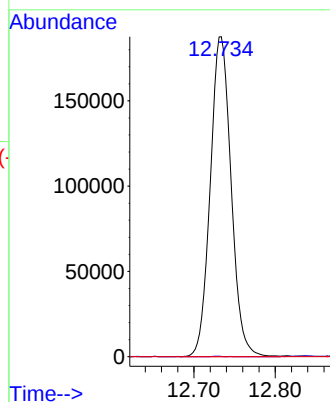
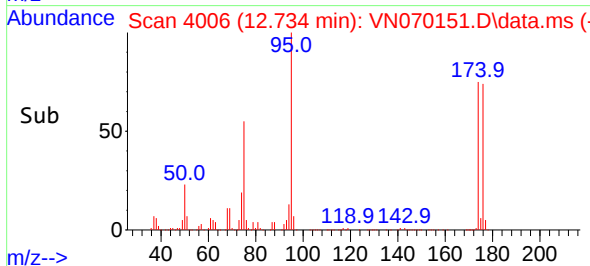


#81
trans-1,4-Dichloro-2-butene
Concen: 79.087 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

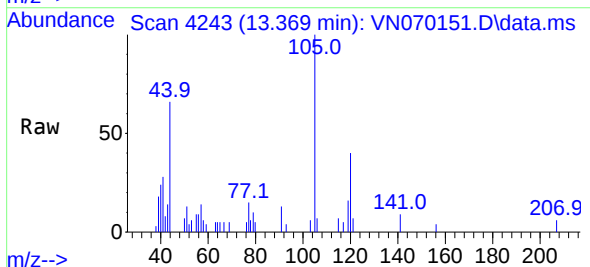
Instrument :
MSVOA_N
ClientSampleId :



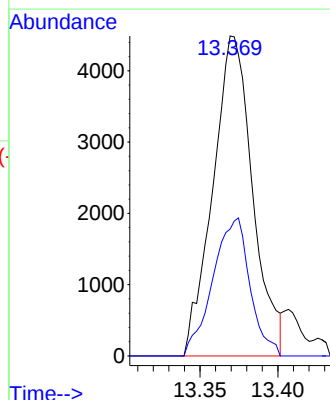
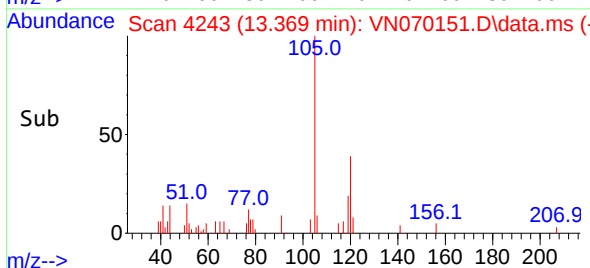
Tgt Ion: 75 Resp: 334516
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

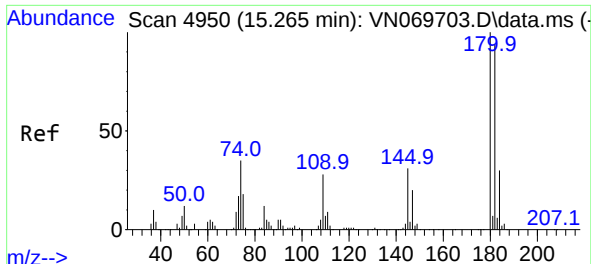


#84
1,2,4-Trimethylbenzene
Concen: 0.250 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56



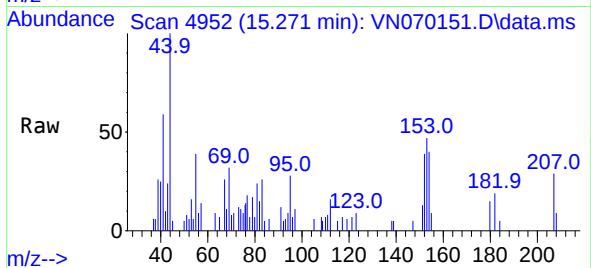
Tgt Ion: 105 Resp: 7969
Ion Ratio Lower Upper
105 100
120 40.1 22.8 68.4



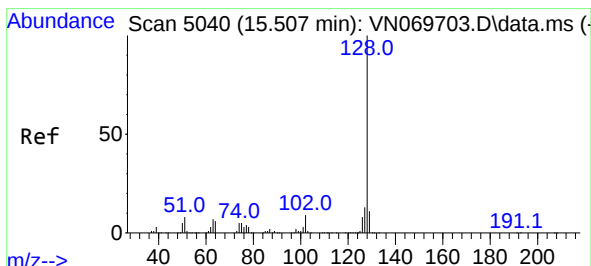
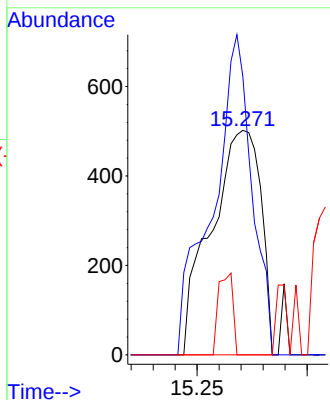
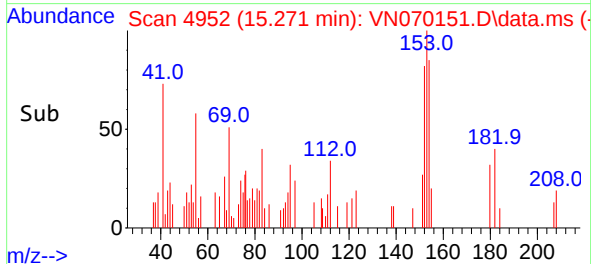


#93
1,2,4-Trichlorobenzene
Concen: 2.975 ug/l
RT: 15.271 min Scan# 4950
Delta R.T. 0.006 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56

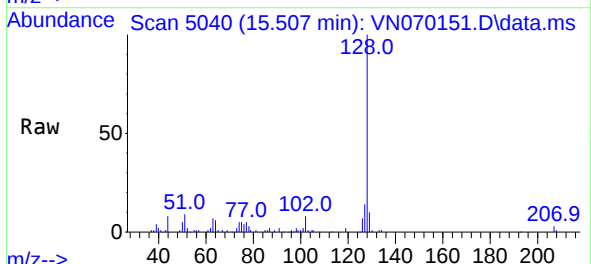
Instrument :
MSVOA_N
ClientSampleId :



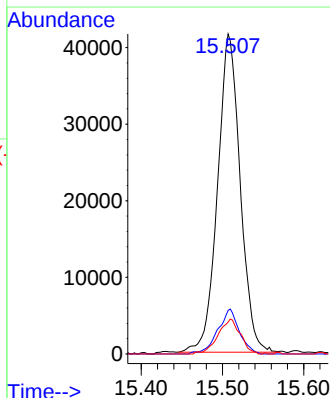
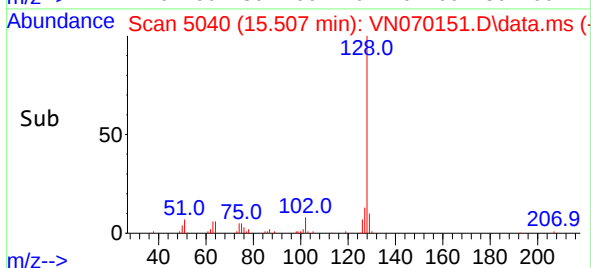
Tgt Ion:180 Resp: 791
Ion Ratio Lower Upper
180 100
182 112.5 48.3 144.9
145 10.5 14.5 43.5#

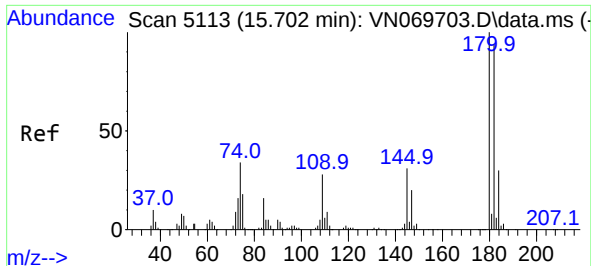


#95
Naphthalene
Concen: 7.226 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070151.D
Acq: 16 Dec 2021 20:56



Tgt Ion:128 Resp: 80458
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.8 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 2.589 ug/l

RT: 15.705 min Scan# 51

Delta R.T. 0.003 min

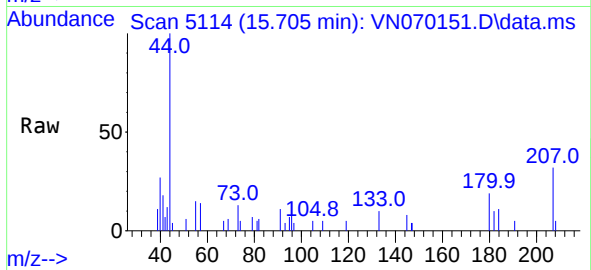
Lab File: VN070151.D

Acq: 16 Dec 2021 20:56

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 1203

Ion Ratio Lower Upper

180 100

182 78.0 47.4 142.2

145 24.7 15.0 45.1

