

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069863.D
 Acq On : 8 Dec 2021 16:04
 Operator : JC/MD
 Sample : M4956-22
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB02-20211206

Quant Time: Dec 09 11:41:05 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)

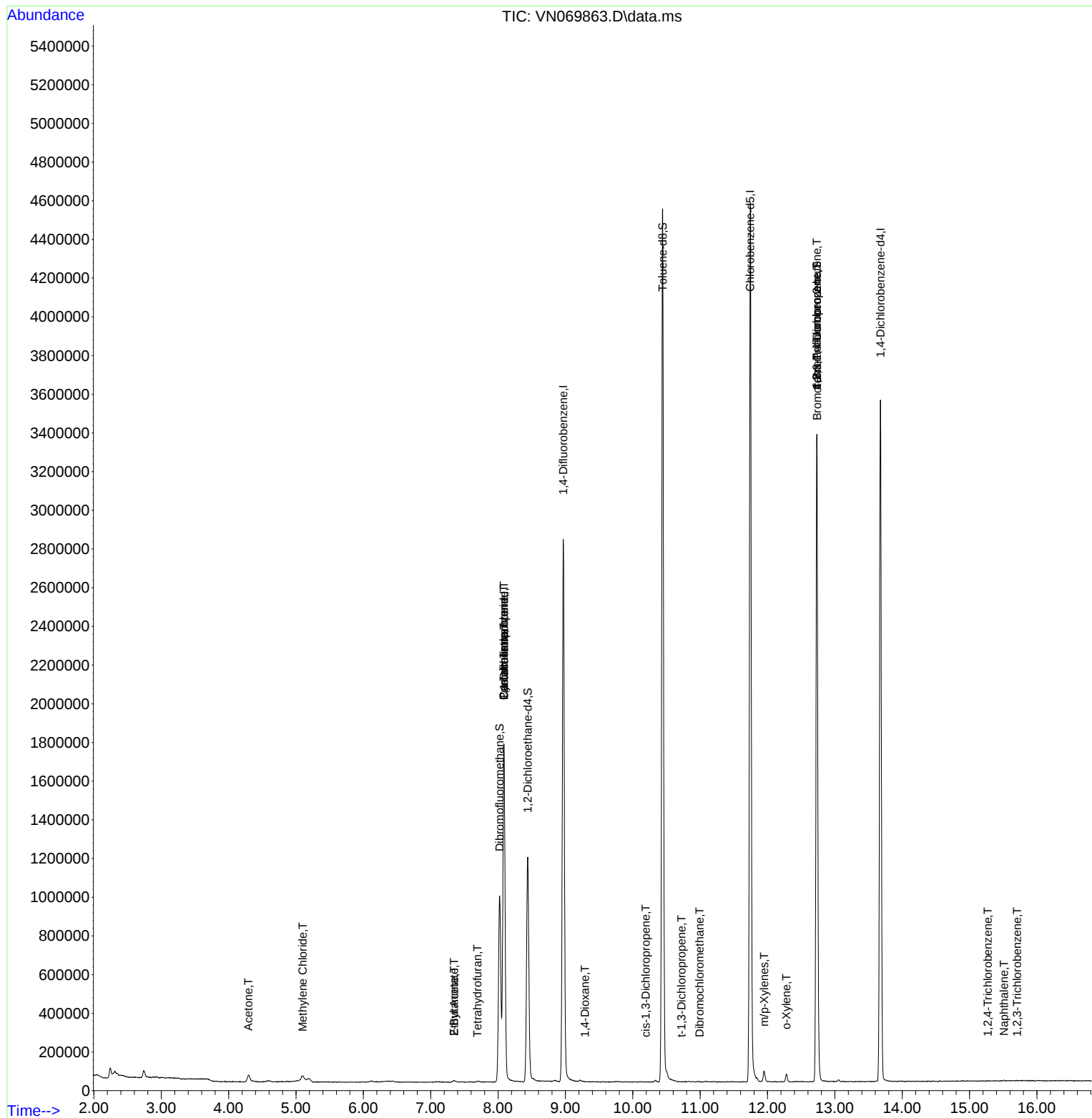
Internal Standards						
1) Pentafluorobenzene	8.088	168	1301162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2346737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2548832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	968881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1025055	51.023	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.040%	
35) Dibromofluoromethane	8.021	113	704285	47.912	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.820%	
50) Toluene-d8	10.443	98	3059817	51.841	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.680%	
62) 4-Bromofluorobenzene	12.733	95	1178539	55.116	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 110.240%	
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	60512	5.007	ug/l	97
20) Methylene Chloride	5.098	84	17465	1.087	ug/l	88
25) 2-Butanone	7.345	43	12476	0.760	ug/l #	76
29) Tetrahydrofuran	7.694	42	2189	0.220	ug/l	95
31) Cyclohexane	8.086	56	34419	1.231	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	110851	4.962	ug/l #	49
37) Ethyl Acetate	7.345	43	12476	0.375	ug/l #	68
38) Carbon Tetrachloride	8.086	117	134049	6.119	ug/l #	16
49) 1,4-Dioxane	9.290	88	117	0.284	ug/l #	1
53) t-1,3-Dichloropropene	10.722	75	82	2.797	ug/l #	69
54) cis-1,3-Dichloropropene	10.191	75	30	2.000	ug/l #	31
60) Dibromochloromethane	10.993	129	53	2.379	ug/l #	11
68) m/p-Xylenes	11.950	106	16974	0.496	ug/l	98
69) o-Xylene	12.280	106	11155	0.324	ug/l	99
71) Bromoform	12.736	173	1118	2.799	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	658085	23.685	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	658085	75.282	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	686	2.919	ug/l #	57
95) Naphthalene	15.509	128	3064	4.045	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.705	180	672	2.477	ug/l #	45

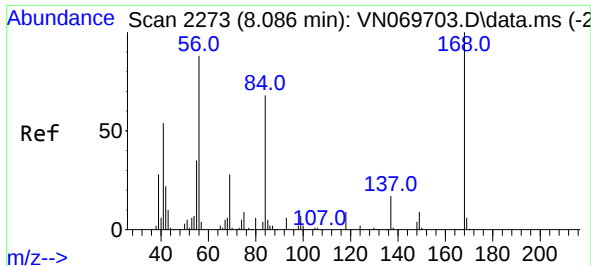
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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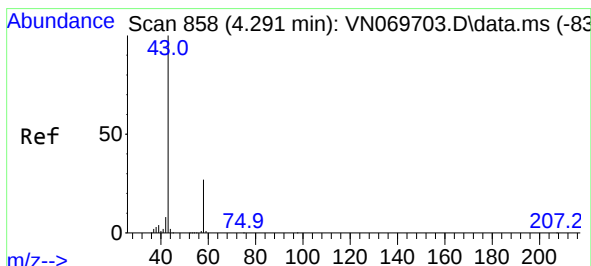
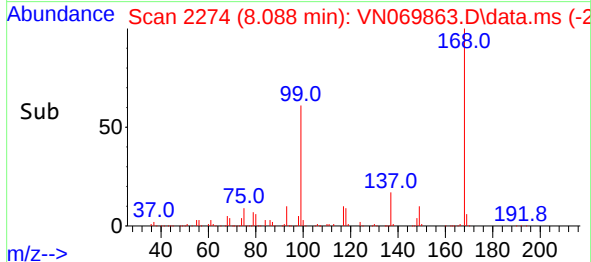
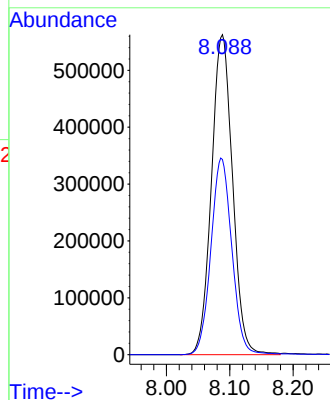
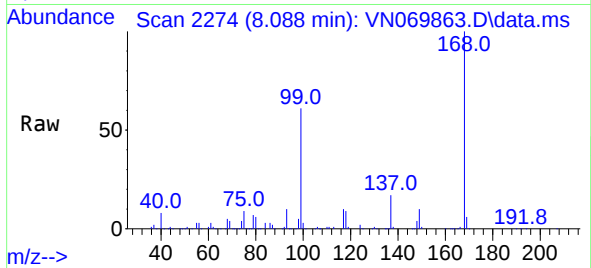




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

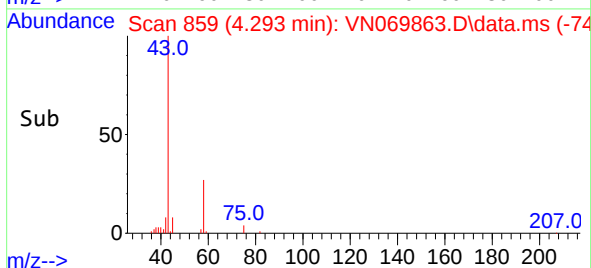
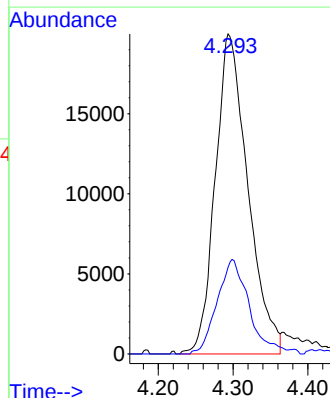
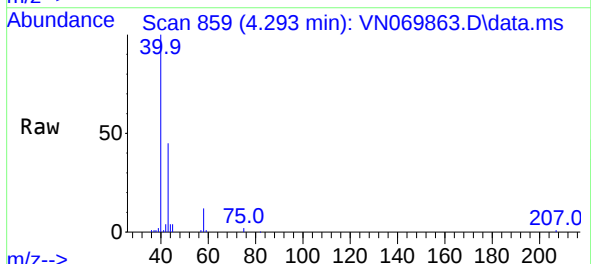
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

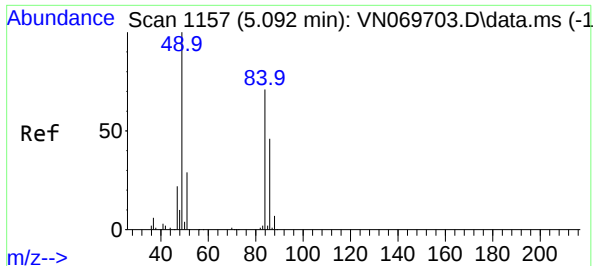
Tgt Ion:168 Resp: 1301162
Ion Ratio Lower Upper
168 100
99 61.0 41.3 61.9



#16
Acetone
Concen: 5.007 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

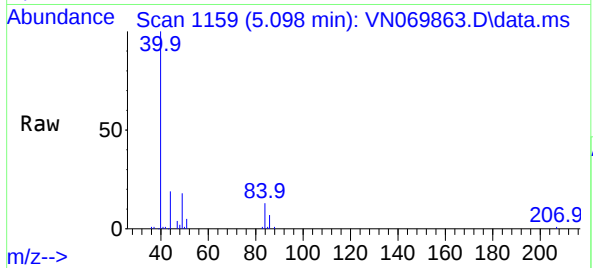
Tgt Ion: 43 Resp: 60512
Ion Ratio Lower Upper
43 100
58 27.1 23.1 34.7





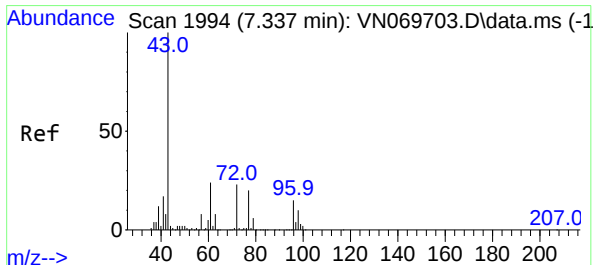
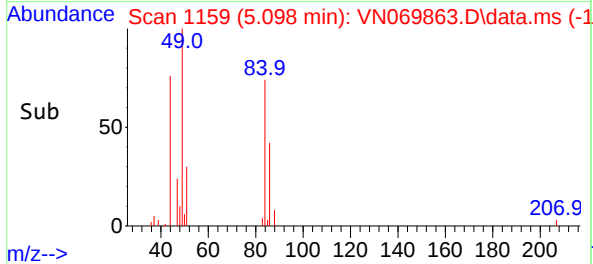
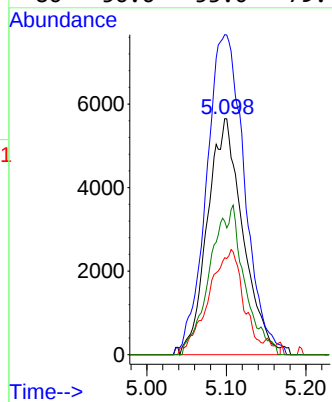
#20
Methylene Chloride
Concen: 1.087 ug/l
RT: 5.098 min Scan# 1157
Delta R.T. 0.005 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Instrument :
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Tgt Ion: 84 Resp: 17465

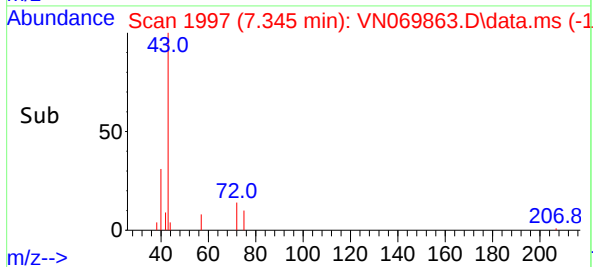
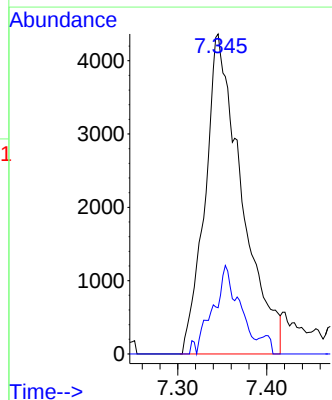
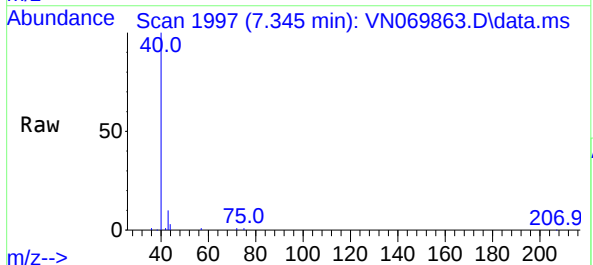
Ion	Ratio	Lower	Upper
84	100		
49	132.6	93.5	140.3
51	38.3	29.4	44.2
86	56.6	53.0	79.4

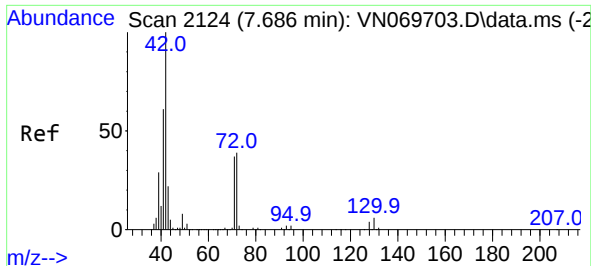


#25
2-Butanone
Concen: 0.760 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion: 43 Resp: 12476

Ion	Ratio	Lower	Upper
43	100		
72	14.4	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 7.694 min Scan# 2124

Delta R.T. 0.008 min

Lab File: VN069863.D

Acq: 8 Dec 2021 16:04

Instrument :

MSVOA_N

ClientSampleId :

EB02-20211206

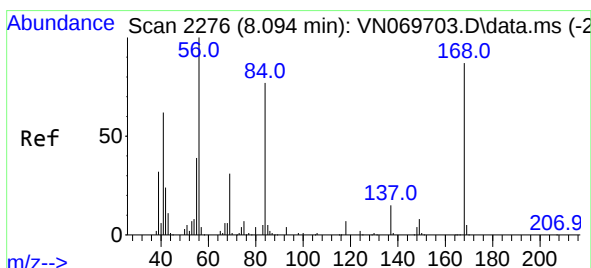
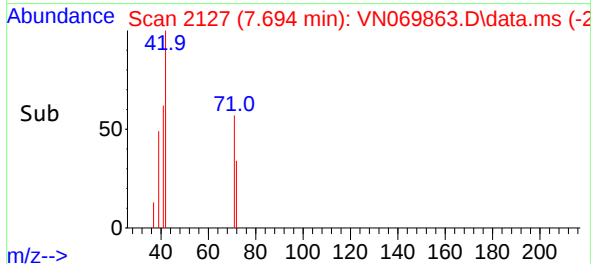
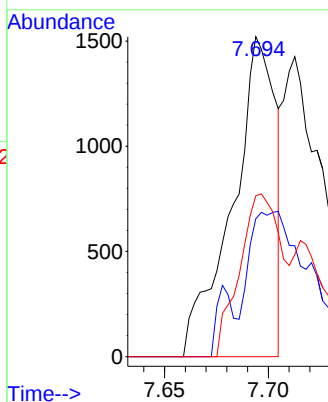
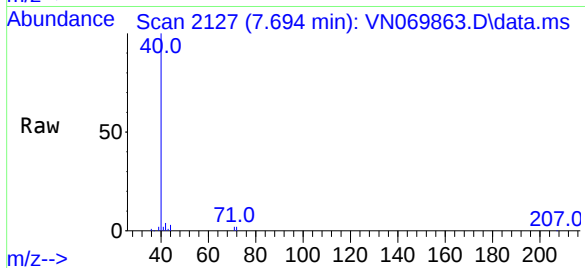
Tgt Ion: 42 Resp: 2189

Ion Ratio Lower Upper

42 100

72 45.2 36.3 54.5

71 49.9 34.7 52.1



#31

Cyclohexane

Concen: 1.231 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.008 min

Lab File: VN069863.D

Acq: 8 Dec 2021 16:04

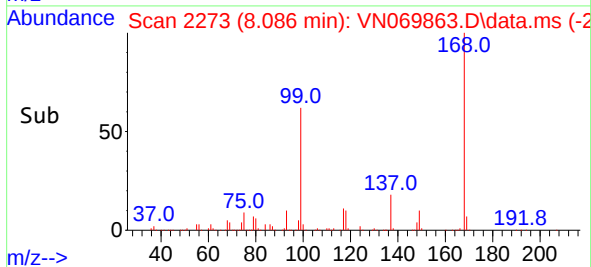
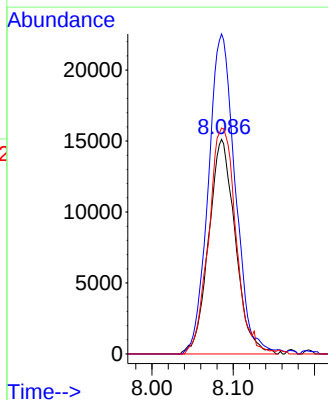
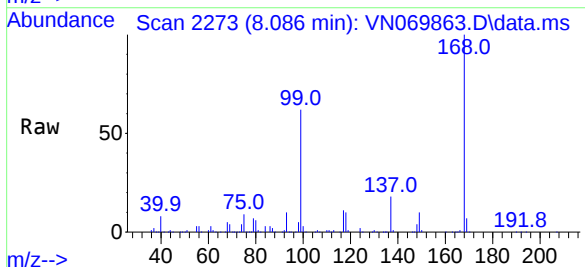
Tgt Ion: 56 Resp: 34419

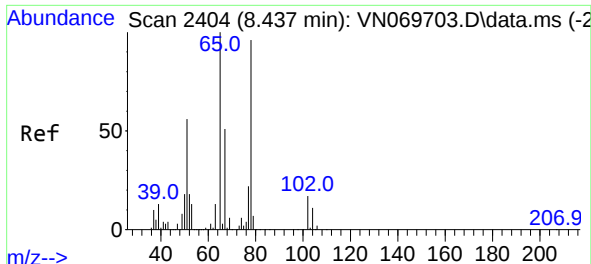
Ion Ratio Lower Upper

56 100

69 149.1 27.1 40.7#

84 105.3 73.4 110.0

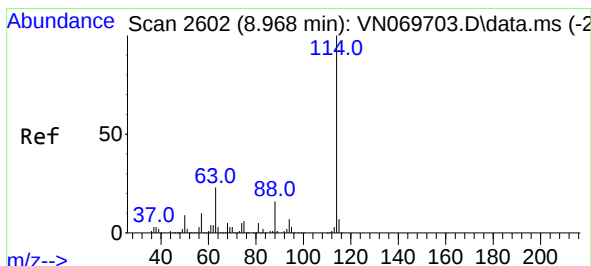
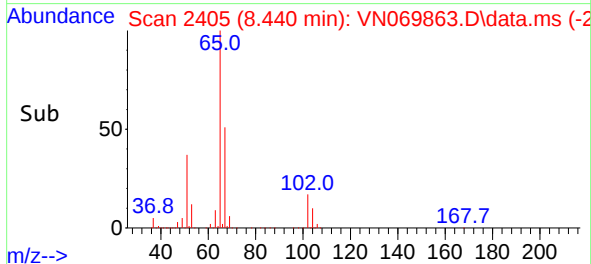
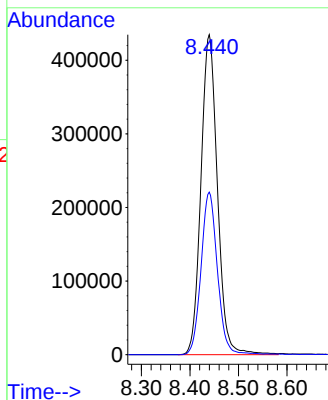
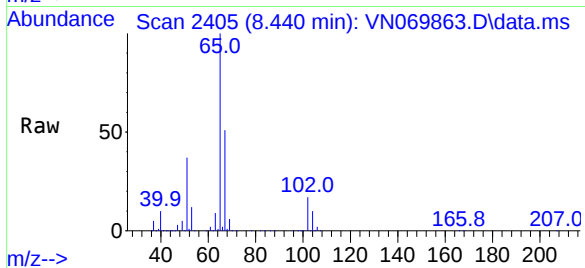




#33
1,2-Dichloroethane-d4
Concen: 51.023 ug/l
RT: 8.440 min Scan# 24
Delta R.T. 0.003 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

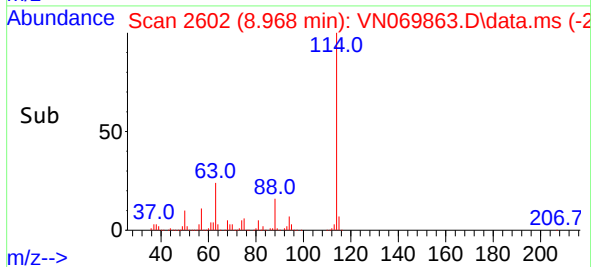
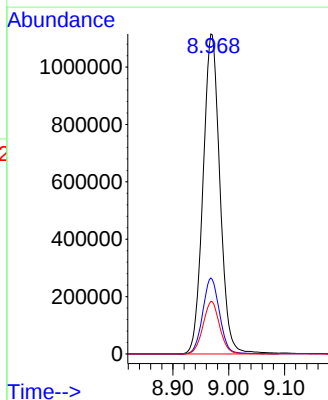
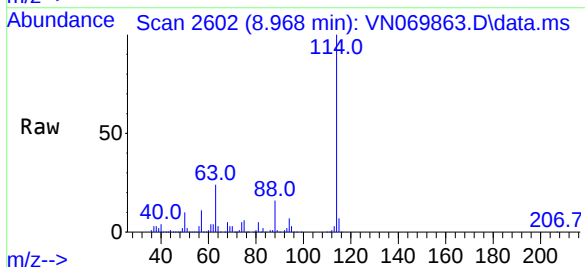
Instrument :
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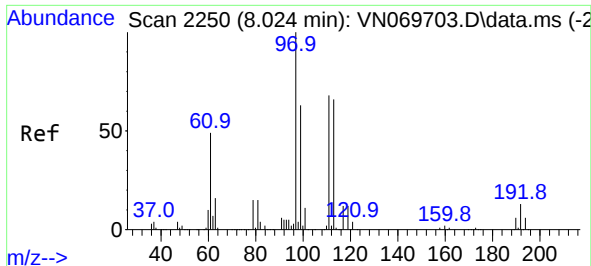
Tgt Ion: 65 Resp: 1025055
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion:114 Resp: 2346737
Ion Ratio Lower Upper
114 100
63 23.7 0.0 37.8
88 16.4 0.0 27.4

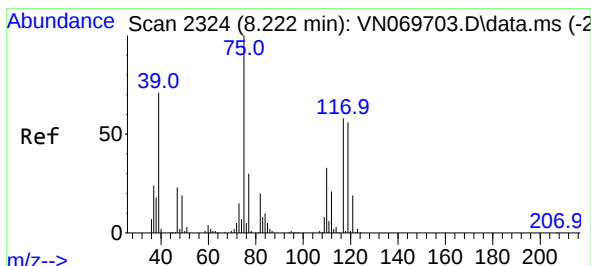
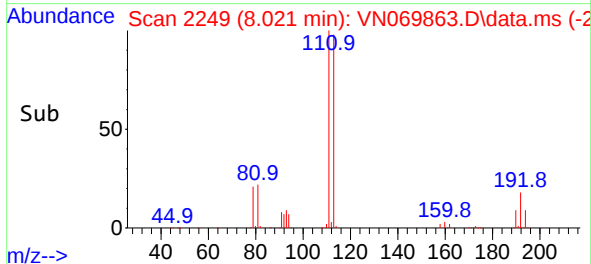
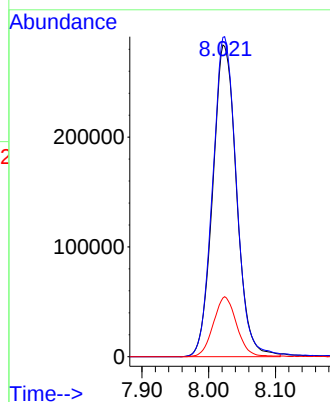
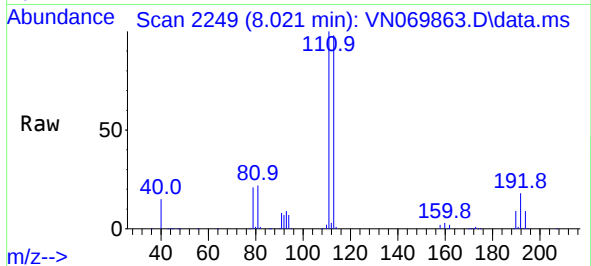




#35
Dibromofluoromethane
Concen: 47.912 ug/l
RT: 8.021 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

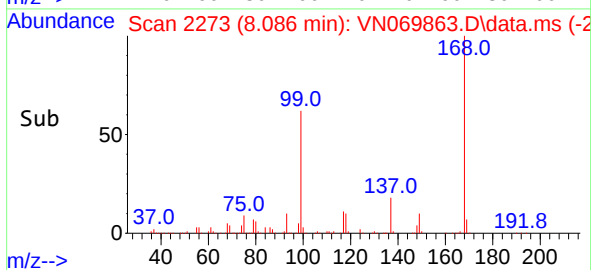
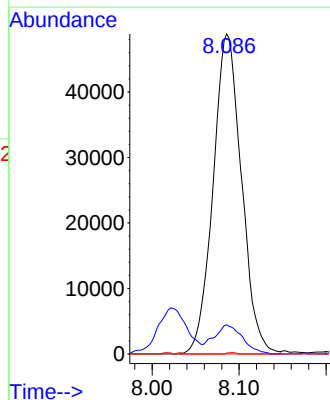
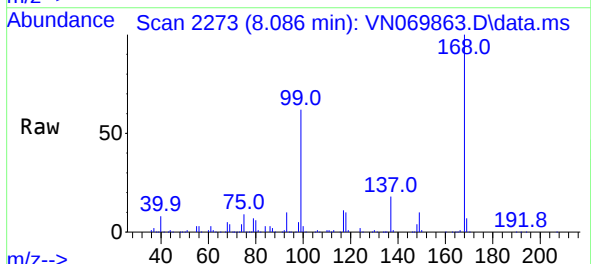
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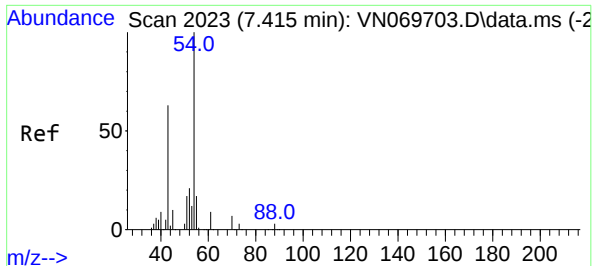
Tgt Ion:113 Resp: 704285
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.962 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion: 75 Resp: 110851
Ion Ratio Lower Upper
75 100
110 9.2 18.4 55.2#
77 0.1 24.4 36.6#

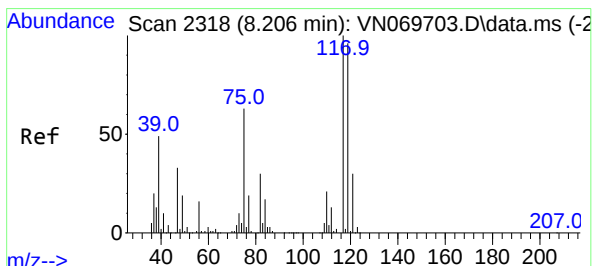
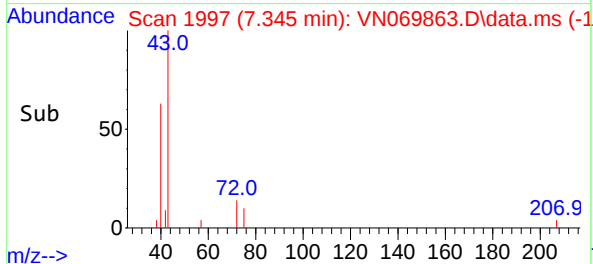
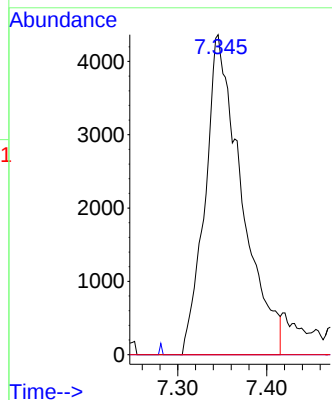
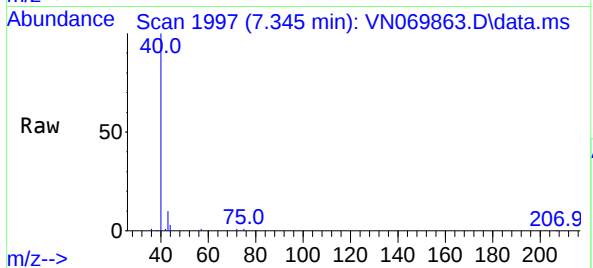




#37
Ethyl Acetate
Concen: 0.375 ug/l
RT: 7.345 min Scan# 19
Delta R.T. -0.070 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

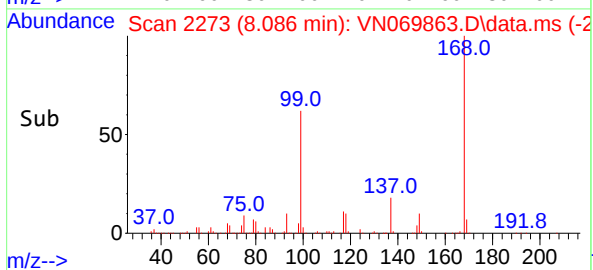
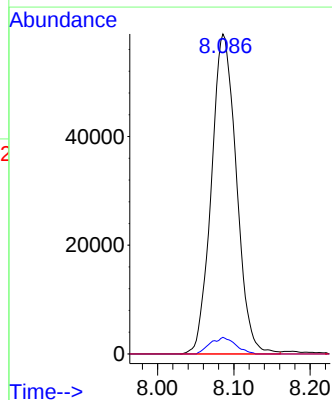
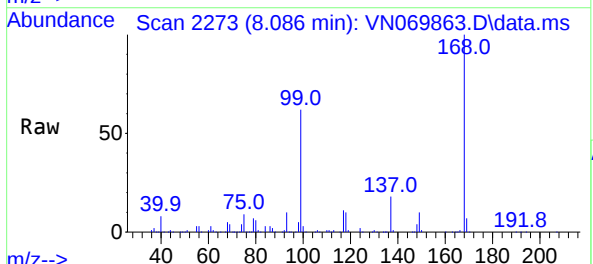
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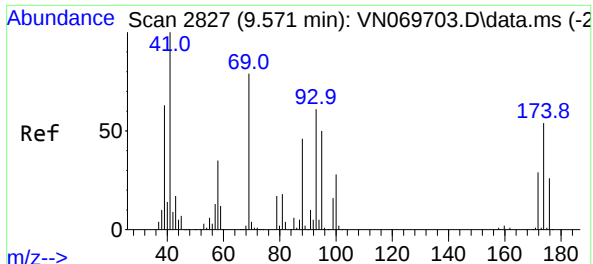
Tgt Ion: 43 Resp: 12476
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.119 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion: 117 Resp: 134049
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#

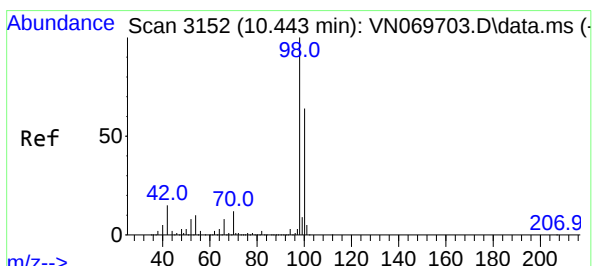
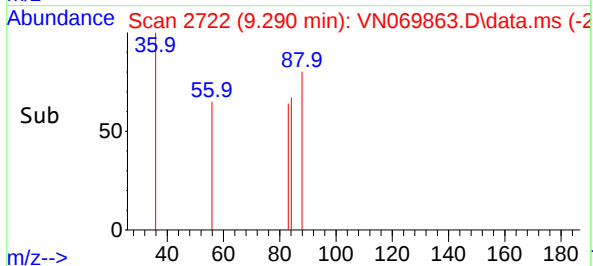
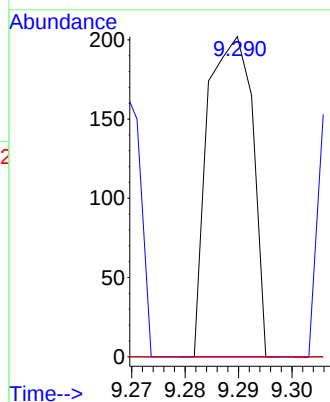
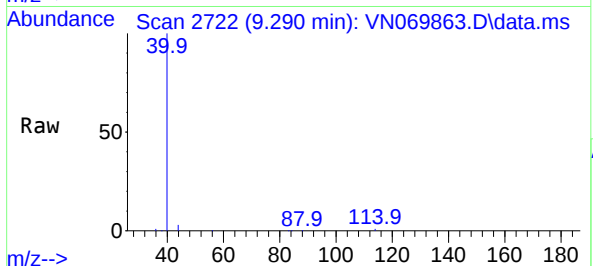




#49
1,4-Dioxane
Concen: 0.284 ug/l
RT: 9.290 min Scan# 21
Delta R.T. -0.282 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

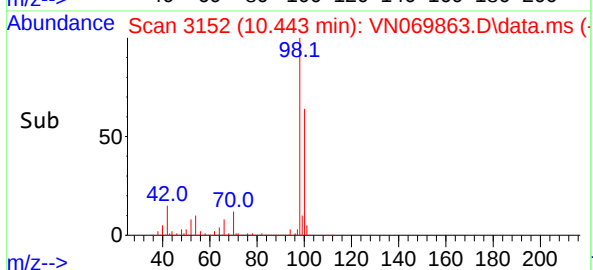
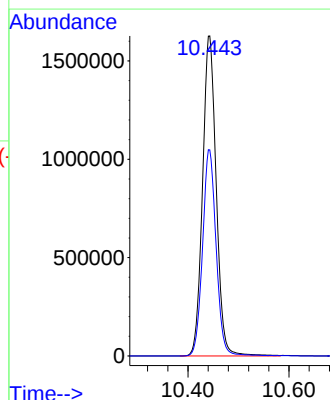
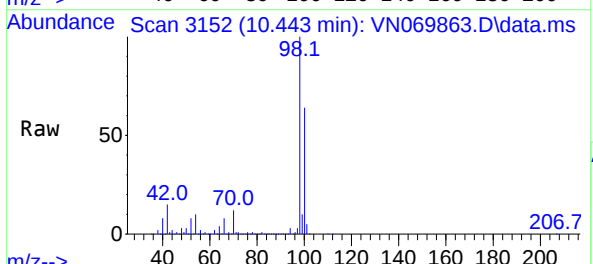
Instrument :
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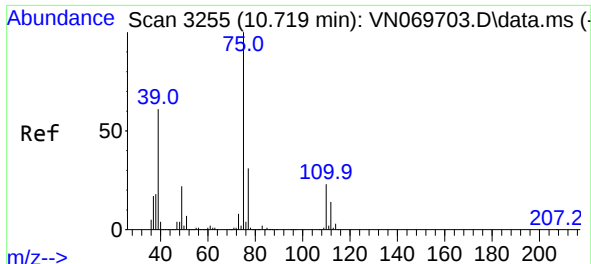
Tgt Ion: 88 Resp: 117
Ion Ratio Lower Upper
88 100
43 102.6 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 51.841 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion: 98 Resp: 3059817
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6

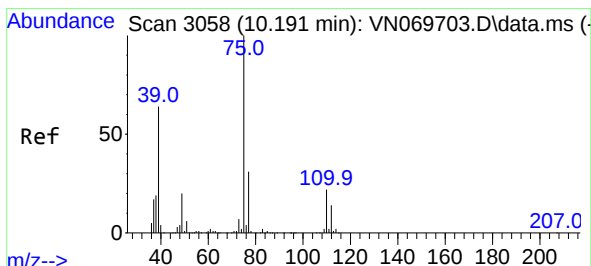
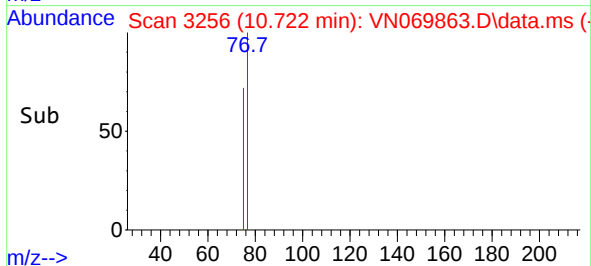
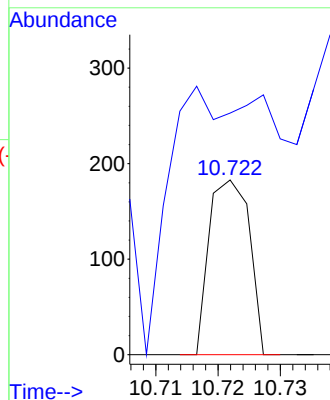
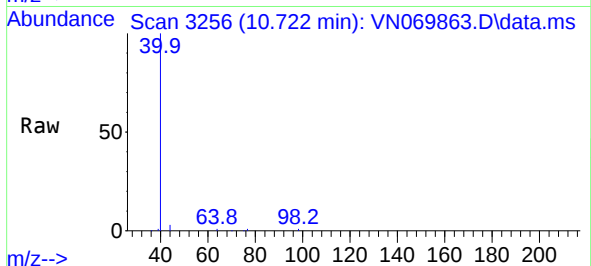




#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.722 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

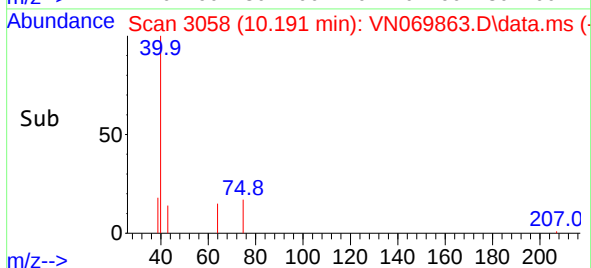
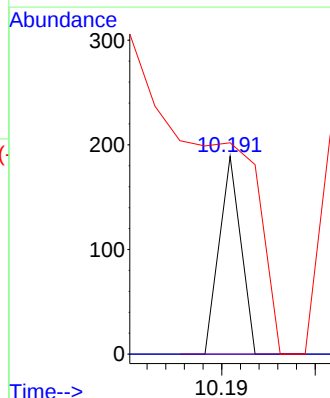
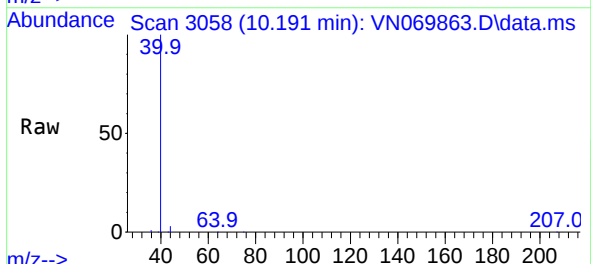
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

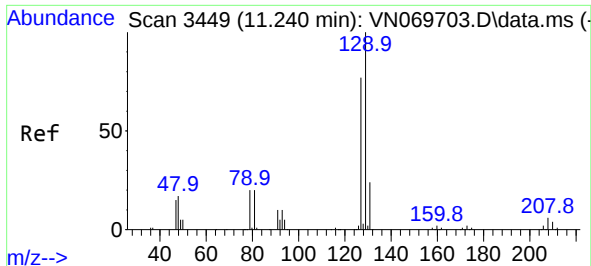
Tgt Ion: 75 Resp: 82
Ion Ratio Lower Upper
75 100
77 14.8 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.000 ug/l
RT: 10.191 min Scan# 3058
Delta R.T. -0.000 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 106.9 42.5 63.7#

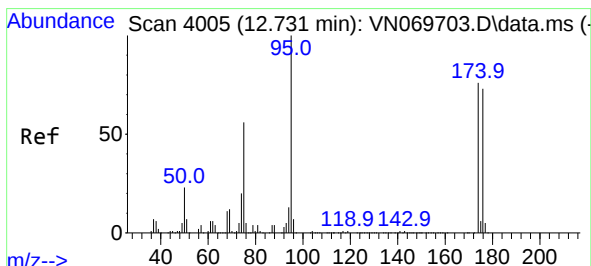
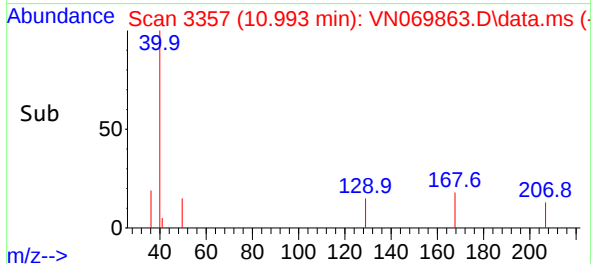
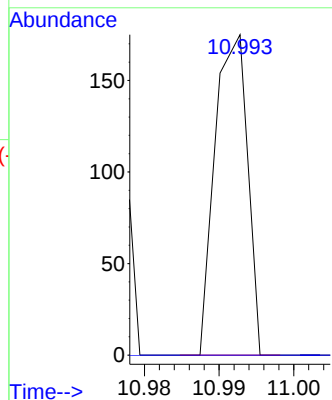
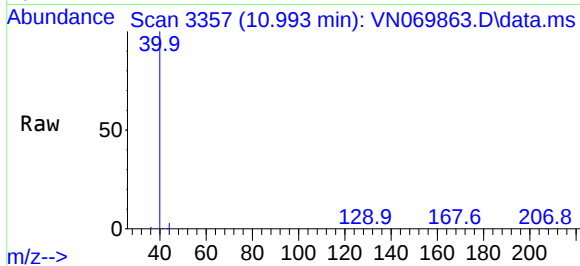




#60
Dibromochloromethane
Concen: 2.379 ug/l
RT: 10.993 min Scan# 31
Delta R.T. -0.247 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

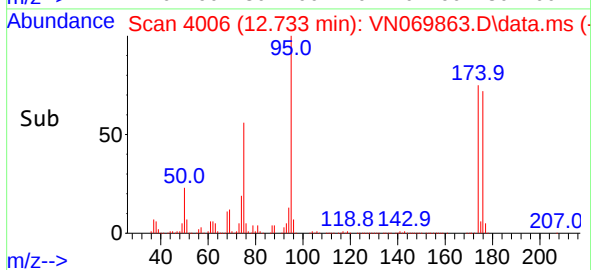
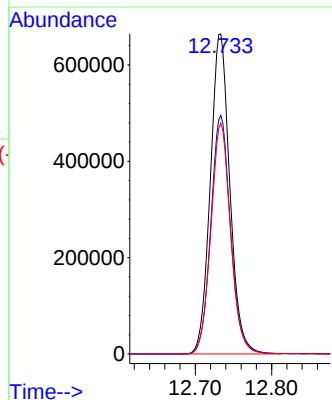
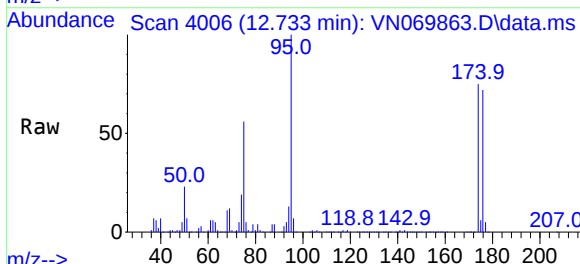
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

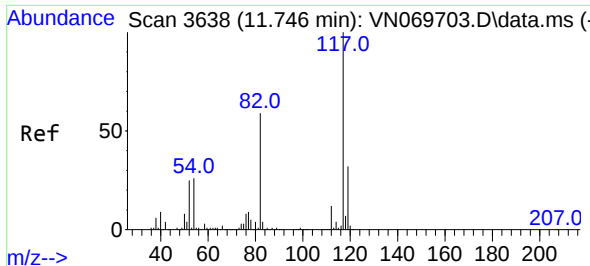
Tgt Ion:129 Resp: 53
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 55.116 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion: 95 Resp: 1178539
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 72.7 0.0 181.4

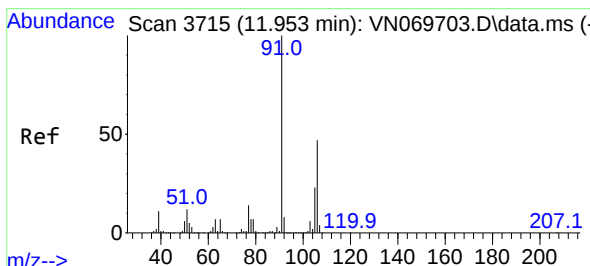
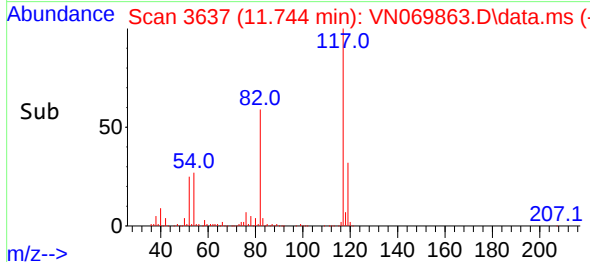
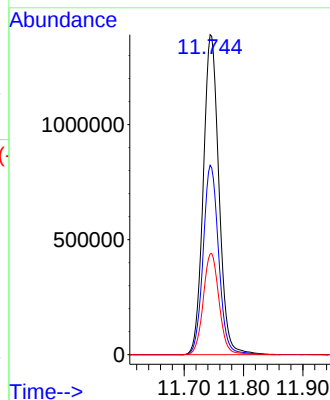
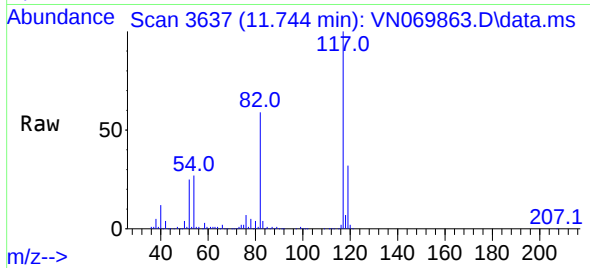




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 311
Delta R.T. -0.002 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

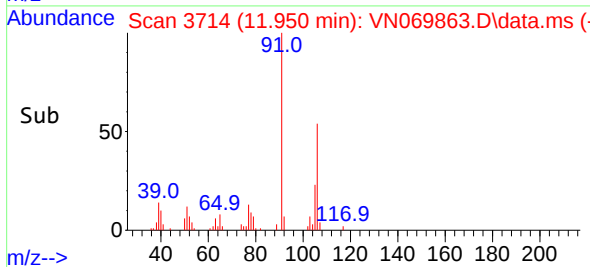
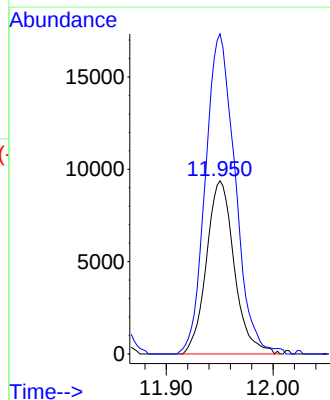
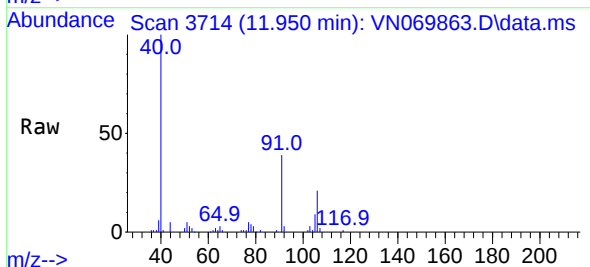
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

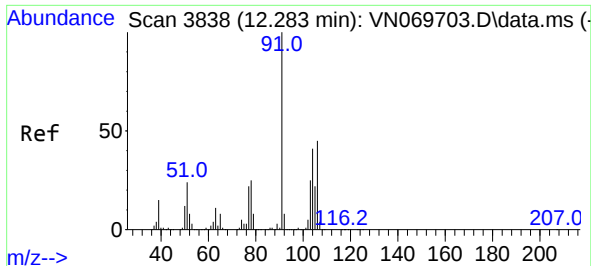
Tgt Ion:117 Resp: 2548832
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 31.5 25.4 38.2



#68
m/p-Xylenes
Concen: 0.496 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion:106 Resp: 16974
Ion Ratio Lower Upper
106 100
91 197.6 160.6 240.8

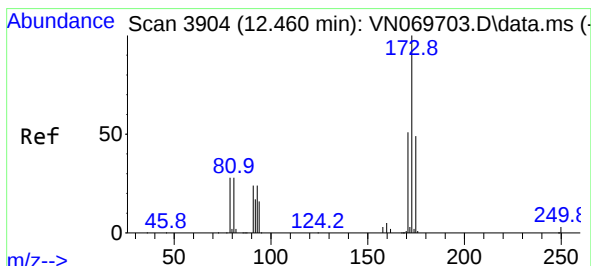
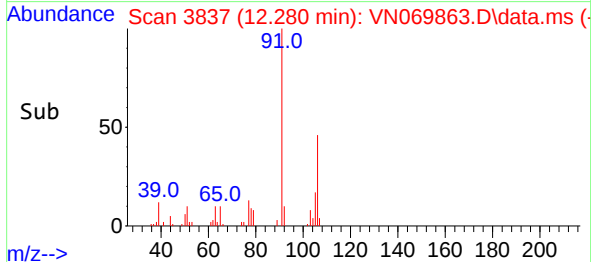
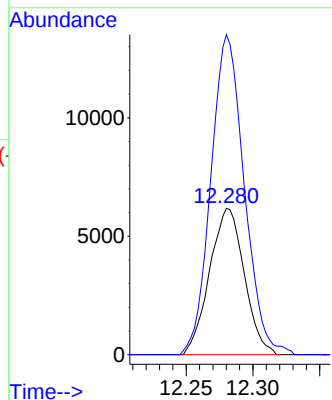
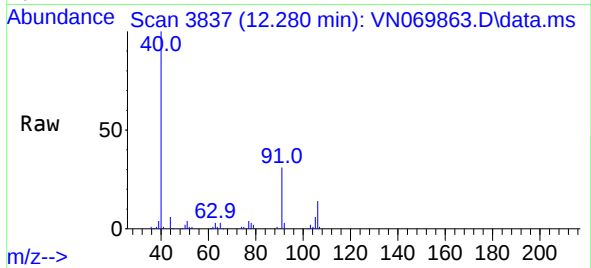




#69
o-Xylene
Concen: 0.324 ug/l
RT: 12.280 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

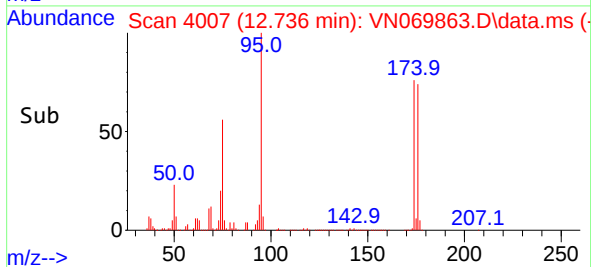
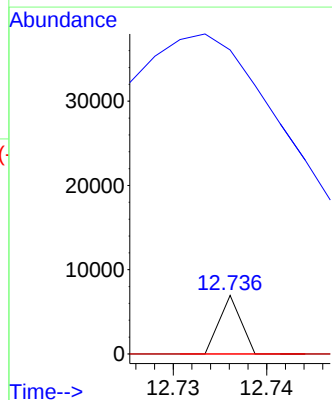
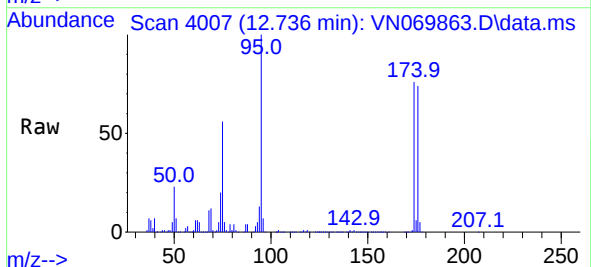
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

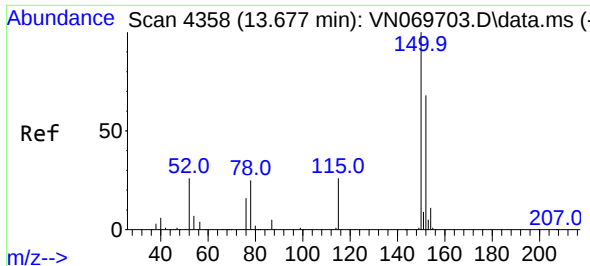
Tgt Ion:106 Resp: 11155
Ion Ratio Lower Upper
106 100
91 210.6 105.8 317.3



#71
Bromoform
Concen: 2.799 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion:173 Resp: 1118
Ion Ratio Lower Upper
173 100
175 5587.5 24.2 72.6#
254 0.0 0.0 0.0

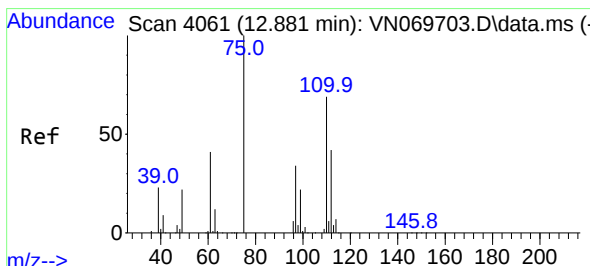
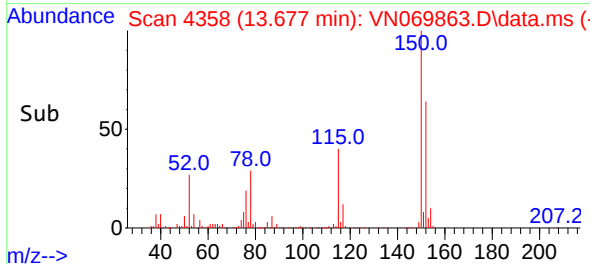
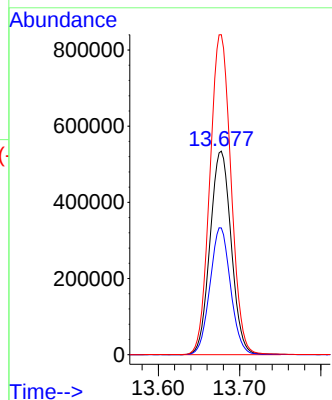
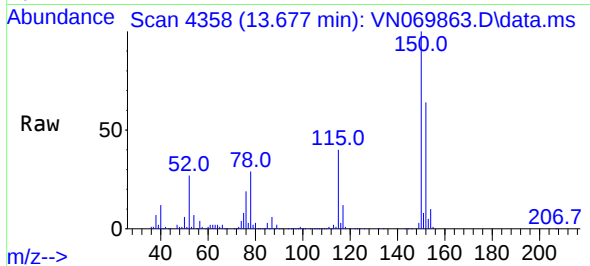




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

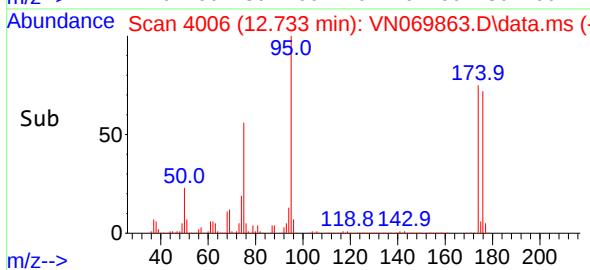
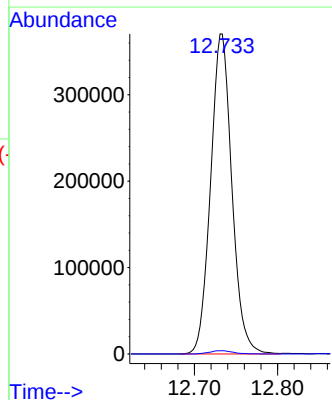
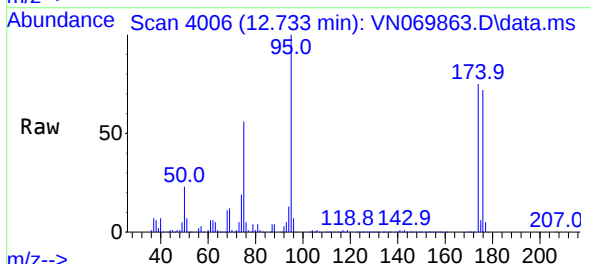
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

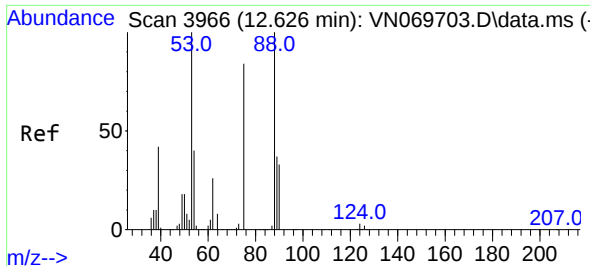
Tgt Ion:152 Resp: 968881
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 156.9 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.685 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion: 75 Resp: 658085
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

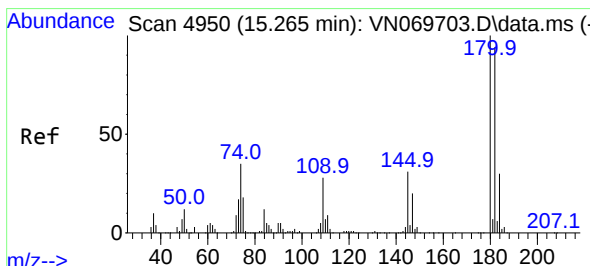
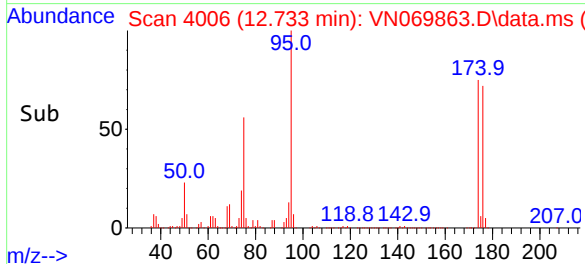
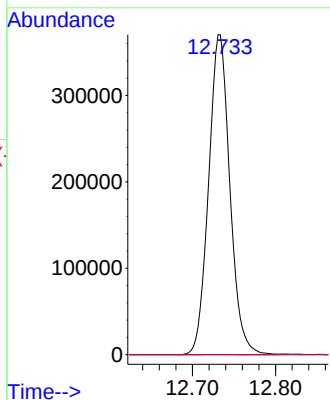
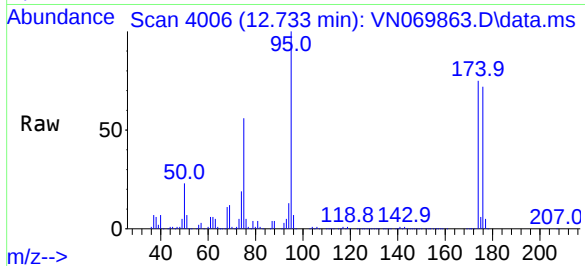




#81
trans-1,4-Dichloro-2-butene
Concen: 75.282 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

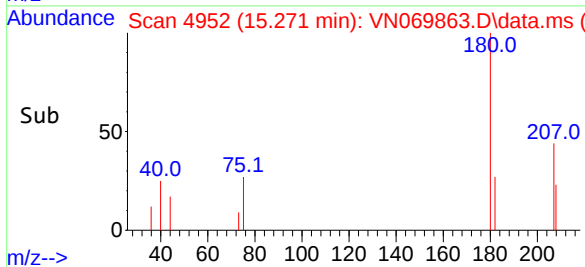
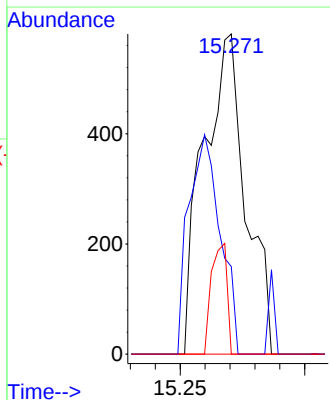
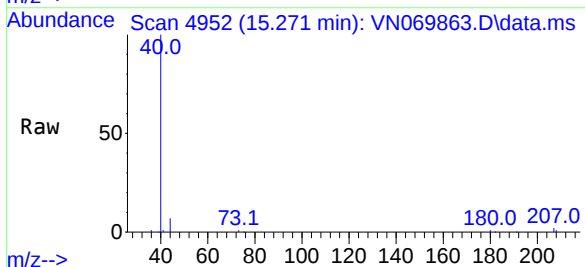
Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

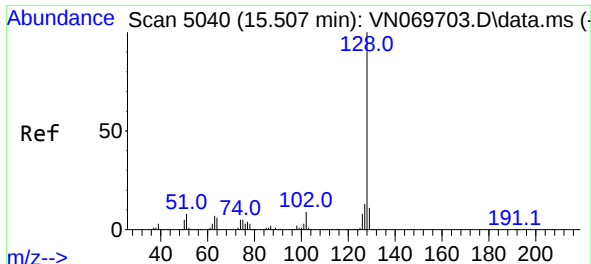
Tgt Ion: 75 Resp: 658085
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.919 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion:180 Resp: 686
Ion Ratio Lower Upper
180 100
182 51.2 48.3 144.9
145 12.7 14.5 43.5#

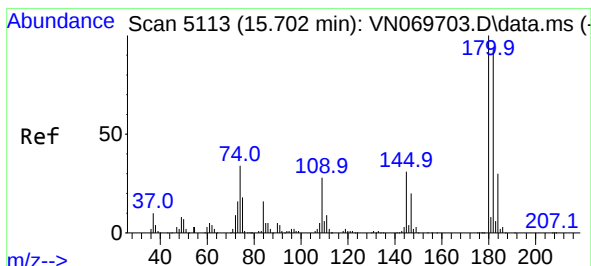
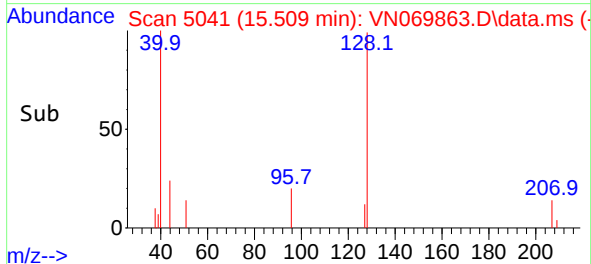
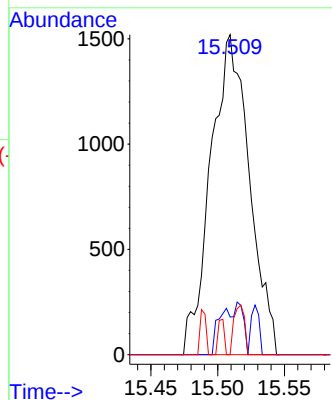
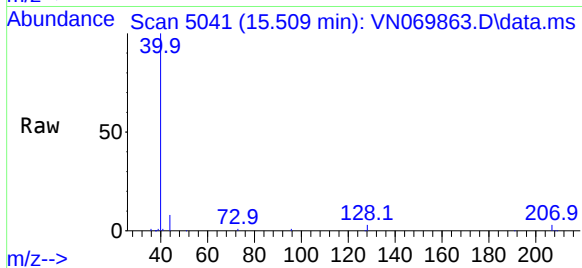




#95
Naphthalene
Concen: 4.045 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :
EB02-20211206

Tgt Ion:128 Resp: 3064
Ion Ratio Lower Upper
128 100
127 4.9 10.5 15.7#
129 1.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.477 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069863.D
Acq: 8 Dec 2021 16:04

Tgt Ion:180 Resp: 672
Ion Ratio Lower Upper
180 100
182 41.2 47.4 142.2#
145 0.0 15.0 45.1#

