

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070123.D
 Acq On : 15 Dec 2021 20:08
 Operator : JC/MD
 Sample : M5078-02
 Misc : 5.75g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 05:41:42 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	1126659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	2145869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2540175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1174971	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	897324	51.583	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.160%
35) Dibromofluoromethane	8.019	113	599611	44.610	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	89.220%
50) Toluene-d8	10.440	98	2923531	54.168	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	108.340%
62) 4-Bromofluorobenzene	12.734	95	1308188	66.906	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	133.820%

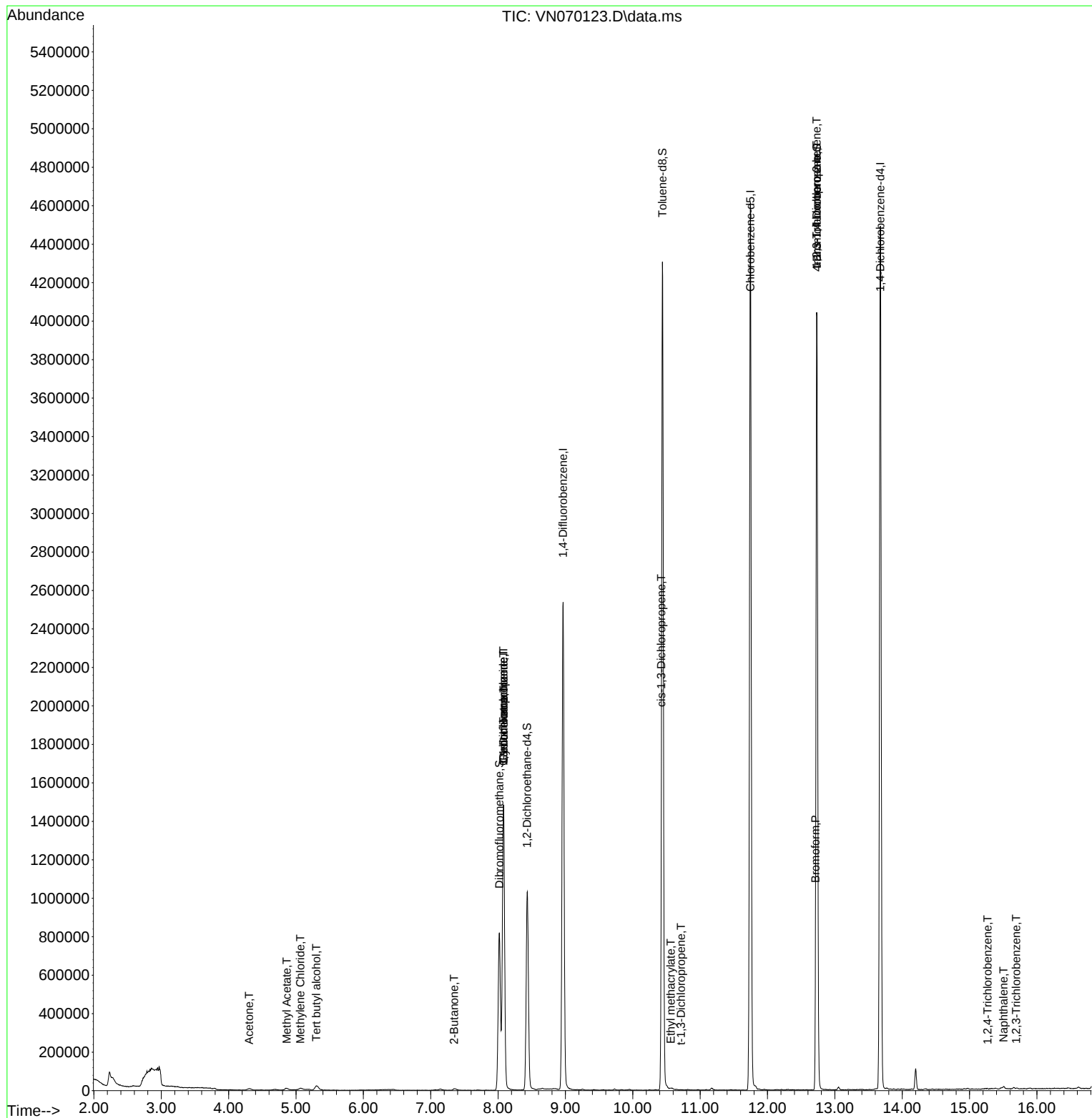
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.302	59	23965	7.288	ug/l #	71
16) Acetone	4.301	43	4726	0.452	ug/l #	88
18) Methyl Acetate	4.862	43	14477	0.458	ug/l #	87
20) Methylene Chloride	5.063	84	4214	0.303	ug/l #	86
25) 2-Butanone	7.345	43	4327	0.304	ug/l #	89
31) Cyclohexane	8.083	56	28804	1.190	ug/l #	27
36) 1,1-Dichloropropene	8.078	75	95521	4.676	ug/l #	44
38) Carbon Tetrachloride	8.078	117	113531	5.667	ug/l #	16
53) t-1,3-Dichloropropene	10.714	75	89	2.797	ug/l #	1
54) cis-1,3-Dichloropropene	10.424	75	153	2.004	ug/l #	1
56) Ethyl methacrylate	10.564	69	187	2.285	ug/l #	1
71) Bromoform	12.712	173	413	2.756	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	728562	21.622	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	728562	69.079	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	815	2.918	ug/l	92
95) Naphthalene	15.504	128	12849	4.191	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.692	180	1039	2.488	ug/l	71

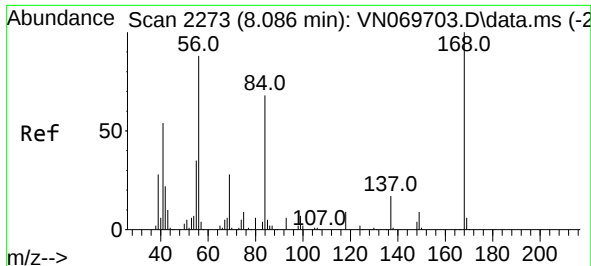
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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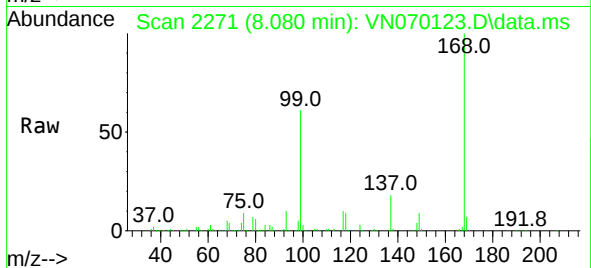
Quant Time: Dec 16 05:41:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
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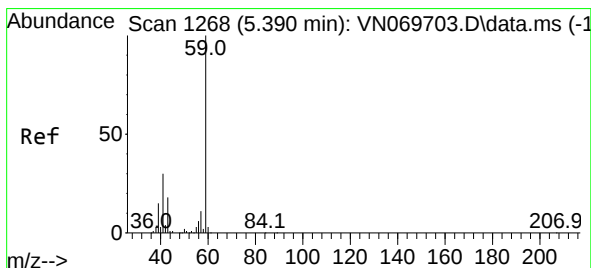
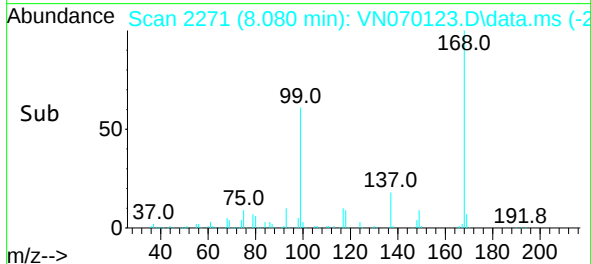
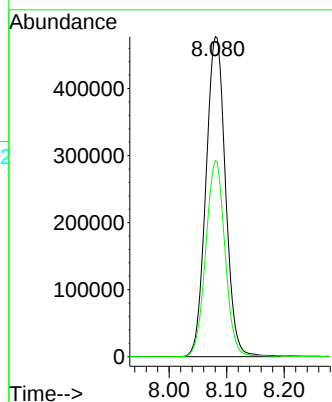


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Instrument :
MSVOA_N
ClientSampleId :

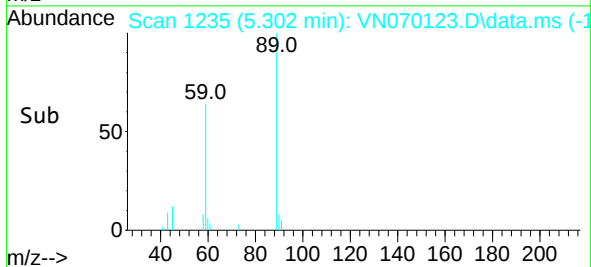
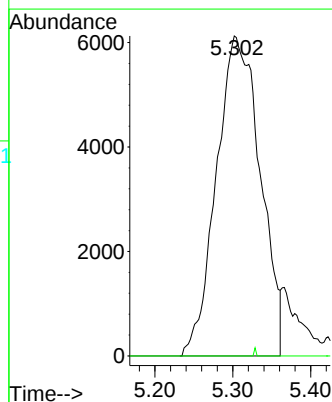
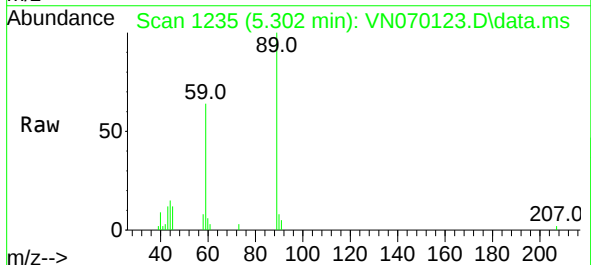


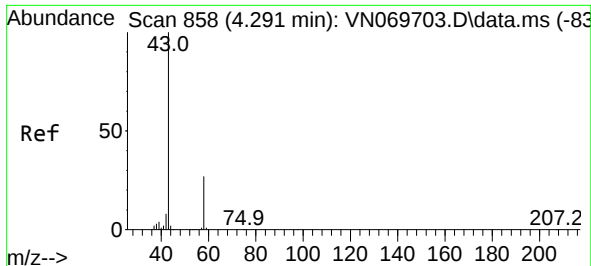
Tgt Ion:168 Resp: 1126659
Ion Ratio Lower Upper
168 100
99 61.3 41.3 61.9



#11
Tert butyl alcohol
Concen: 7.288 ug/l
RT: 5.302 min Scan# 1235
Delta R.T. -0.088 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Tgt Ion: 59 Resp: 23965
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

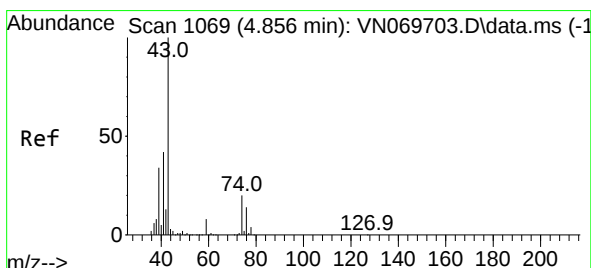
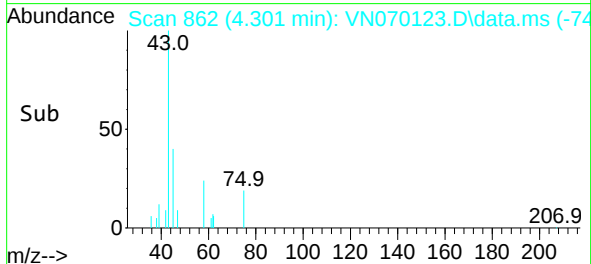
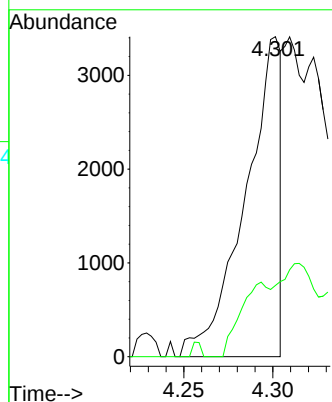
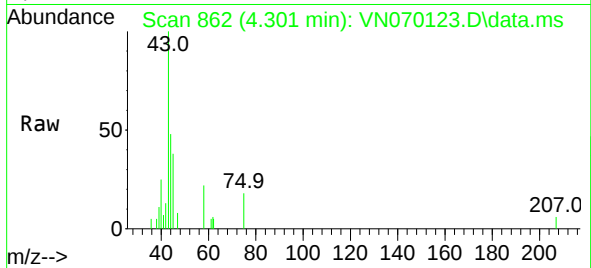




#16
Acetone
Concen: 0.452 ug/l
RT: 4.301 min Scan# 80
Delta R.T. 0.011 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

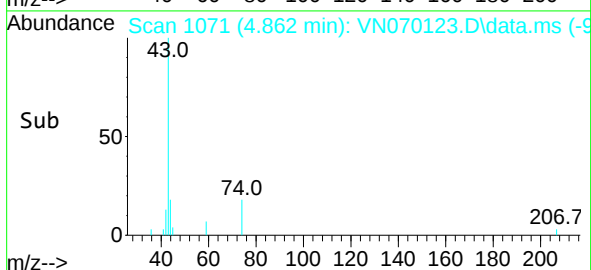
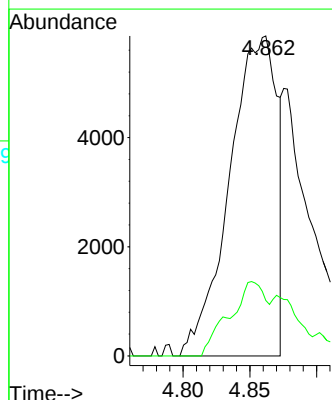
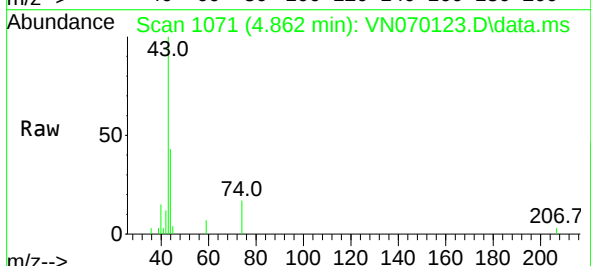
Instrument :
MSVOA_N
ClientSampleId :

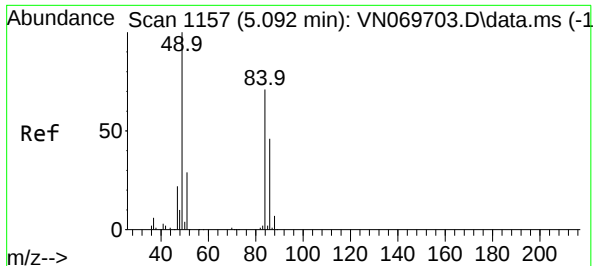
Tgt Ion: 43 Resp: 4726
Ion Ratio Lower Upper
43 100
58 22.3 23.1 34.7#



#18
Methyl Acetate
Concen: 0.458 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Tgt Ion: 43 Resp: 14477
Ion Ratio Lower Upper
43 100
74 18.0 19.4 29.2#





#20

Methylene Chloride

Concen: 0.303 ug/l

RT: 5.063 min Scan# 1146

Delta R.T. -0.029 min

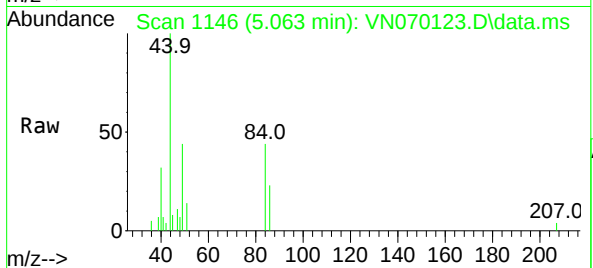
Lab File: VN070123.D

Acq: 15 Dec 2021 20:08

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 4214

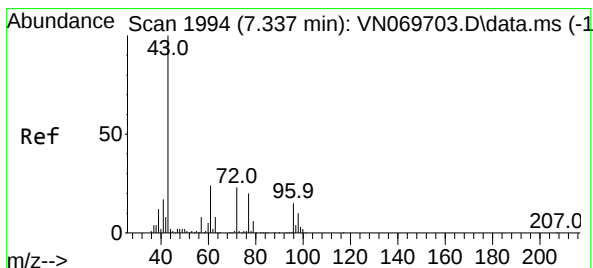
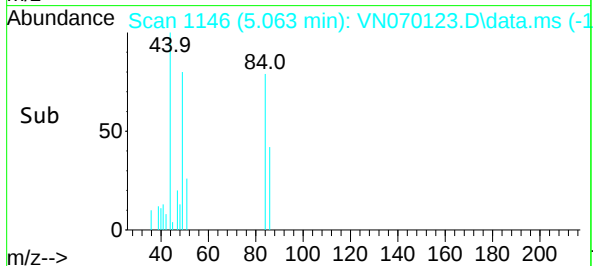
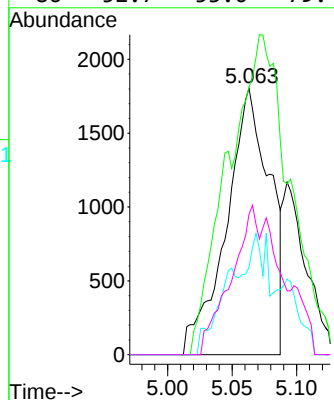
Ion Ratio Lower Upper

84 100

49 100.6 93.5 140.3

51 32.8 29.4 44.2

86 52.7 53.0 79.4#



#25

2-Butanone

Concen: 0.304 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. 0.008 min

Lab File: VN070123.D

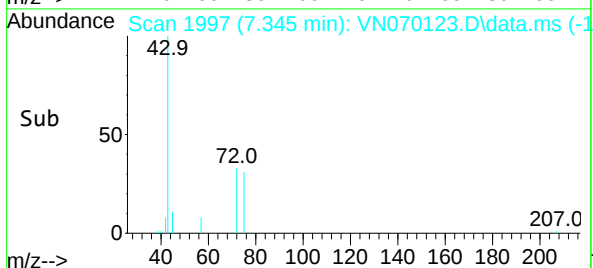
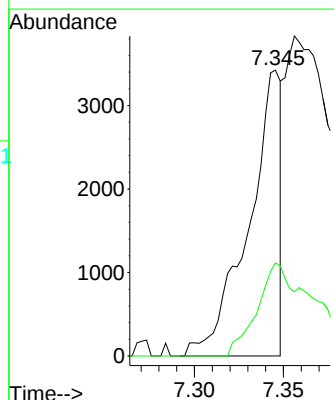
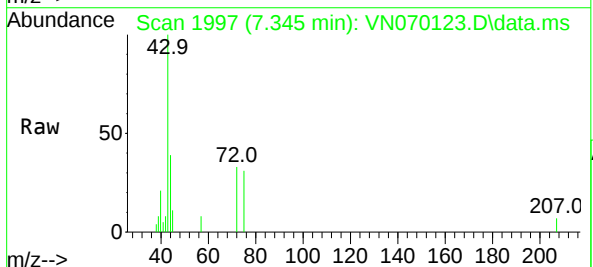
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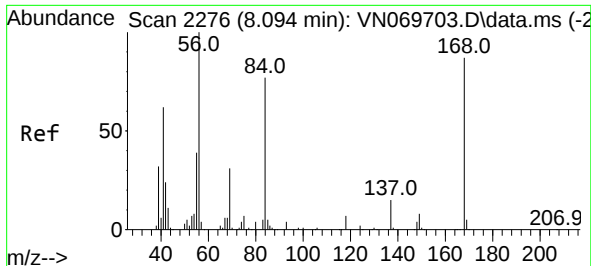
Tgt Ion: 43 Resp: 4327

Ion Ratio Lower Upper

43 100

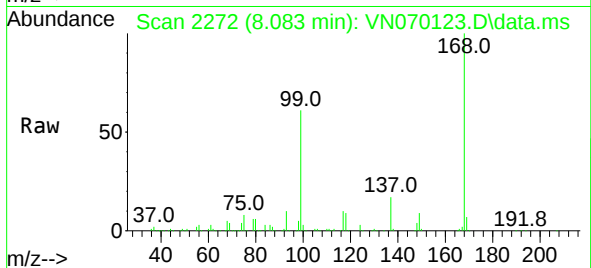
72 32.6 21.7 32.5#



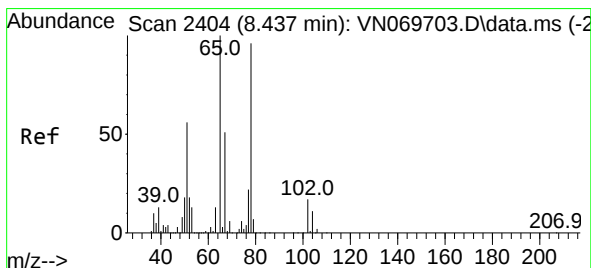
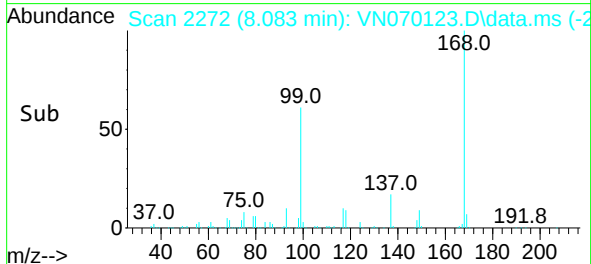
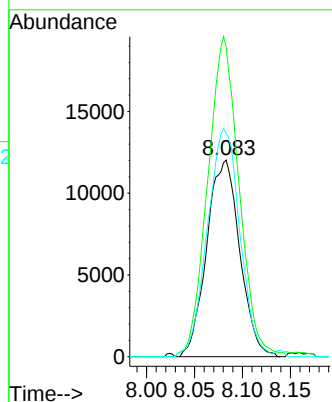


#31
Cyclohexane
Concen: 1.190 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Instrument :
MSVOA_N
ClientSampleId :

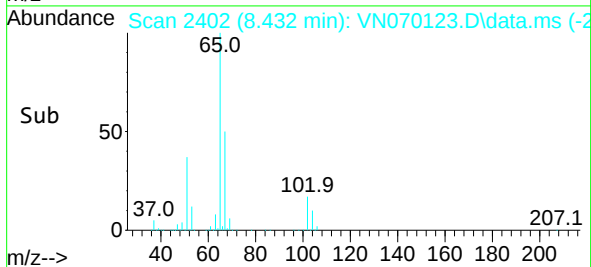
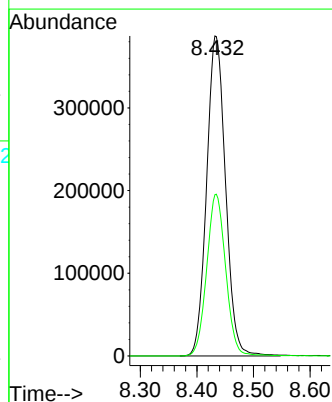
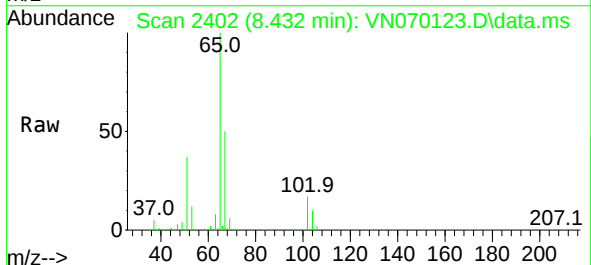


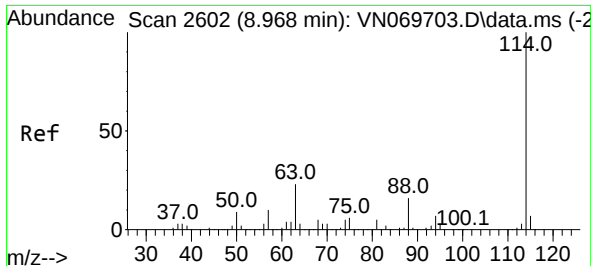
Tgt Ion: 56 Resp: 28804
Ion Ratio Lower Upper
56 100
69 155.8 27.1 40.7#
84 111.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.583 ug/l
RT: 8.432 min Scan# 2402
Delta R.T. -0.005 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Tgt Ion: 65 Resp: 897324
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0

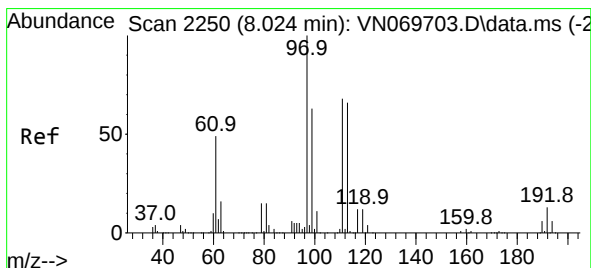
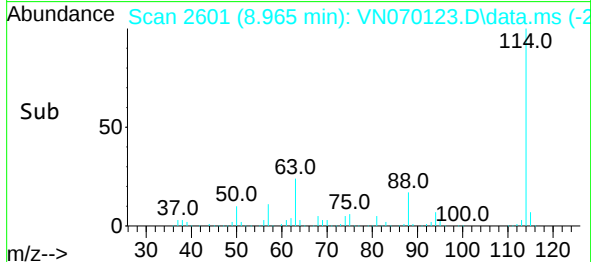
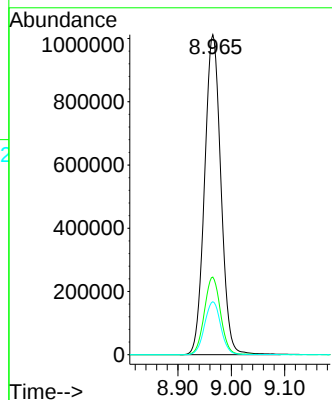
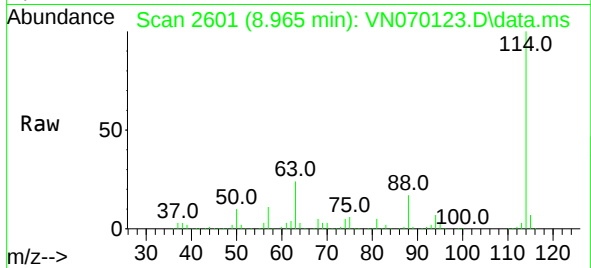




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2145869
Delta R.T. -0.003 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

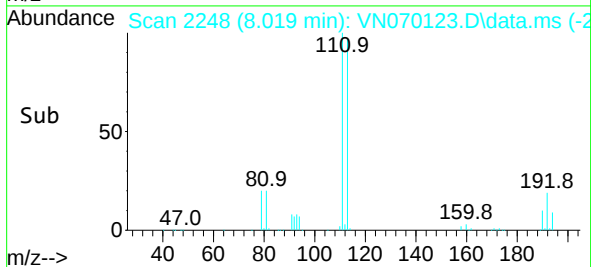
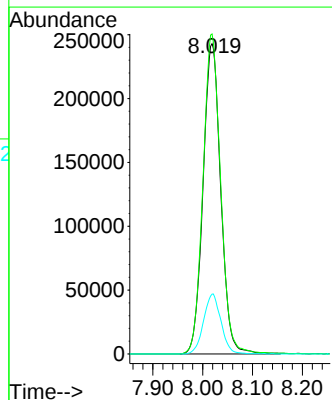
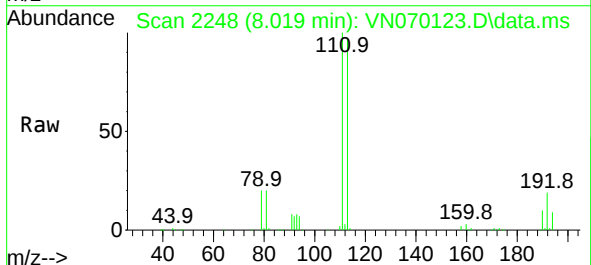
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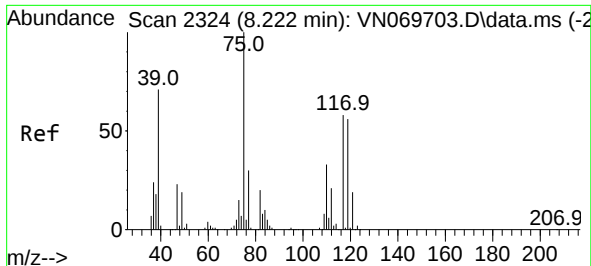
Tgt Ion:114 Resp: 2145869
Ion Ratio Lower Upper
114 100
63 24.3 0.0 37.8
88 16.6 0.0 27.4



#35
Dibromofluoromethane
Concen: 44.610 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.005 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Tgt Ion:113 Resp: 599611
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.0 16.9 25.3

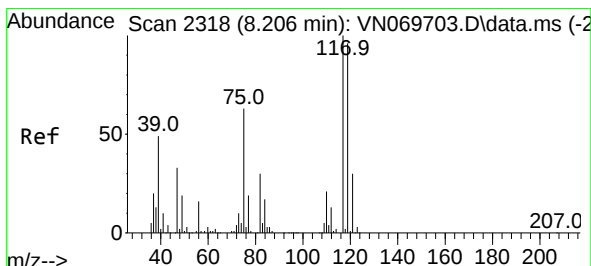
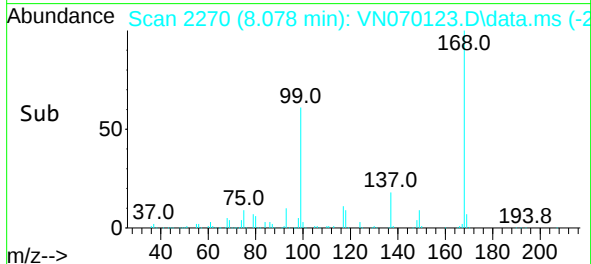
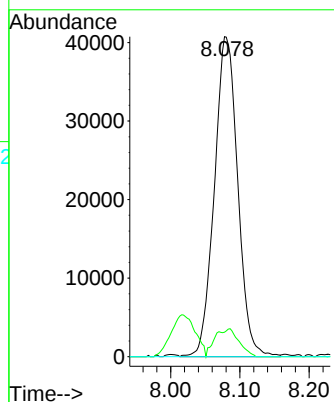
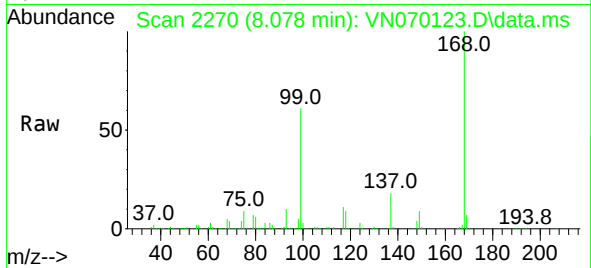




#36
 1,1-Dichloropropene
 Concen: 4.676 ug/l
 RT: 8.078 min Scan# 21
 Delta R.T. -0.145 min
 Lab File: VN070123.D
 Acq: 15 Dec 2021 20:08

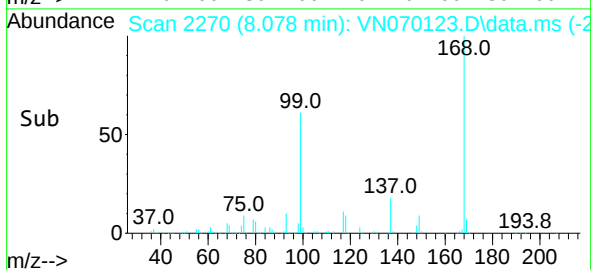
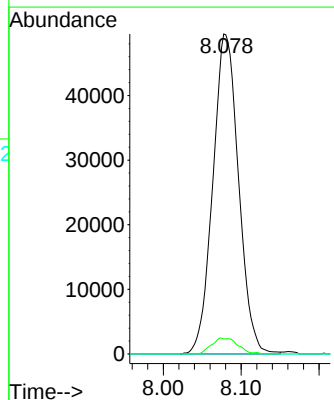
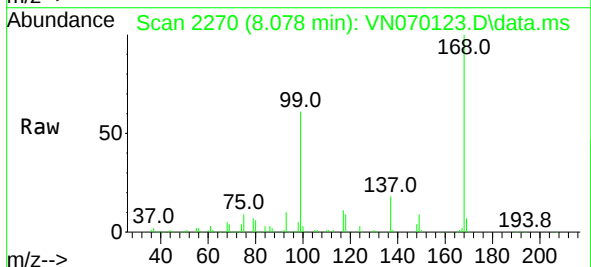
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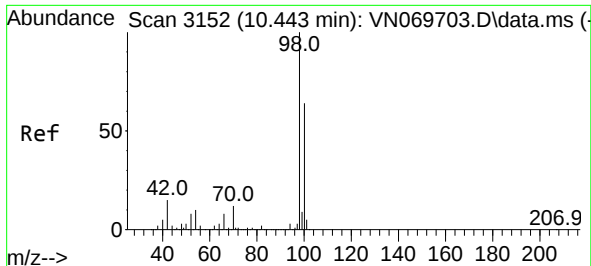
Tgt Ion: 75 Resp: 95521
 Ion Ratio Lower Upper
 75 100
 110 3.5 18.4 55.2#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.667 ug/l
 RT: 8.078 min Scan# 2270
 Delta R.T. -0.129 min
 Lab File: VN070123.D
 Acq: 15 Dec 2021 20:08

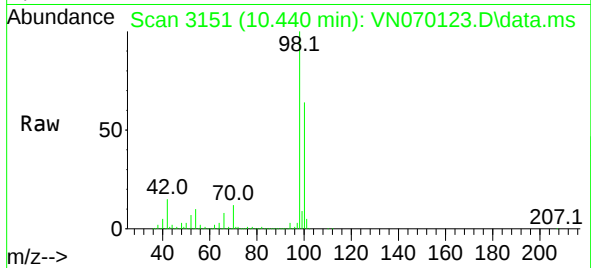
Tgt Ion: 117 Resp: 113531
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.1 114.1#
 121 0.0 24.2 36.2#



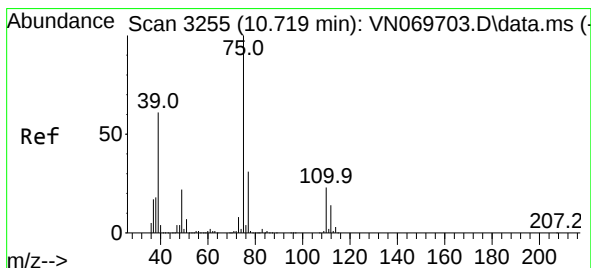
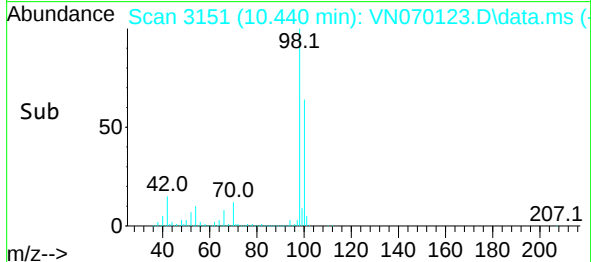
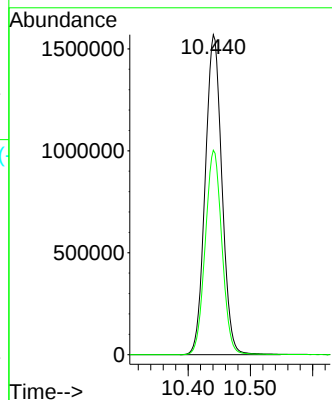


#50
Toluene-d8
Concen: 54.168 ug/l
RT: 10.440 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Instrument :
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ClientSampleId :

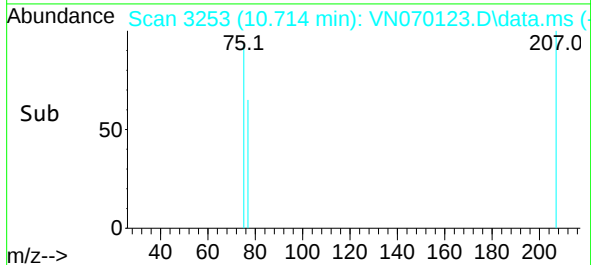
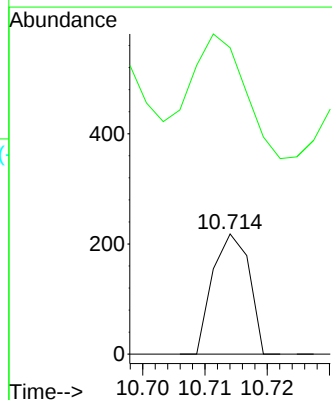
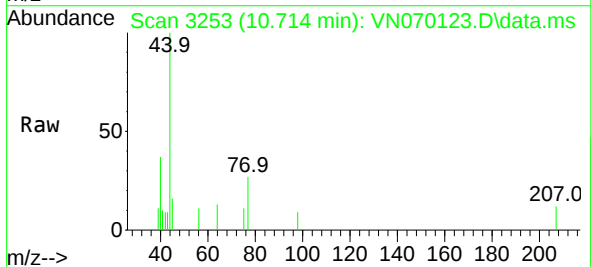


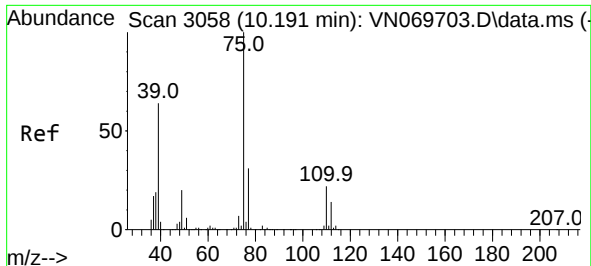
Tgt Ion: 98 Resp: 2923531
Ion Ratio Lower Upper
98 100
100 63.7 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.714 min Scan# 3253
Delta R.T. -0.005 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

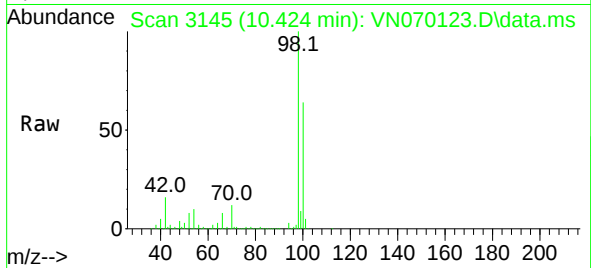
Tgt Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
77 92.2 25.6 38.4#



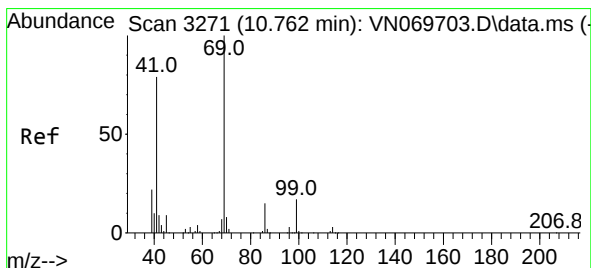
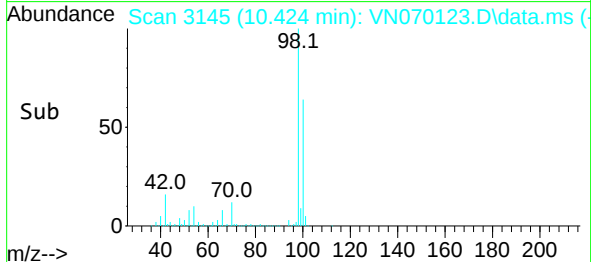
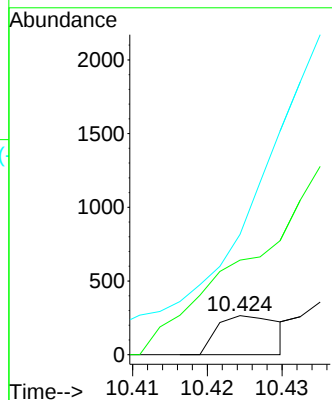


#54
cis-1,3-Dichloropropene
Concen: 2.004 ug/l
RT: 10.424 min Scan# 3145
Delta R.T. 0.233 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Instrument :
MSVOA_N
ClientSampleId :

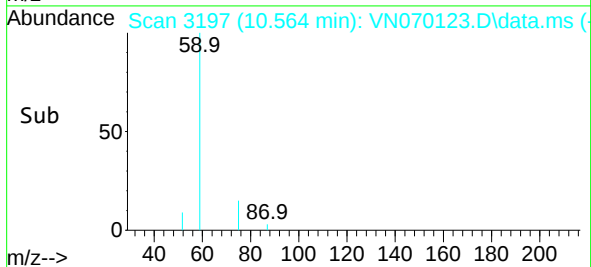
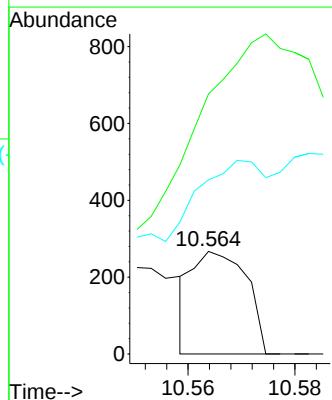
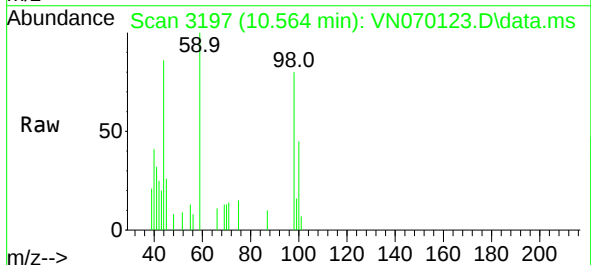


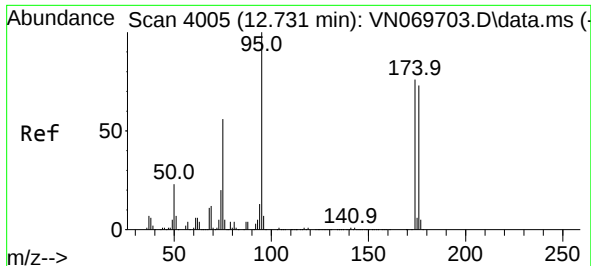
Tgt Ion: 75 Resp: 153
Ion Ratio Lower Upper
75 100
77 141.5 26.4 39.6#
39 171.7 42.5 63.7#



#56
Ethyl methacrylate
Concen: 2.285 ug/l
RT: 10.564 min Scan# 3197
Delta R.T. -0.198 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Tgt Ion: 69 Resp: 187
Ion Ratio Lower Upper
69 100
41 402.7 51.4 77.0#
39 203.7 34.6 52.0#

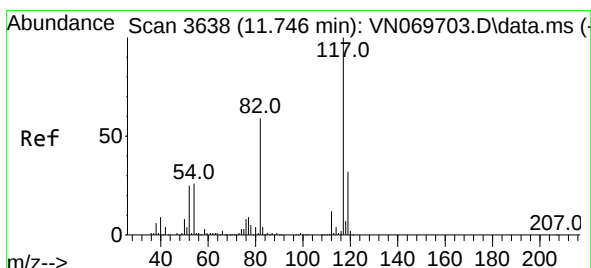
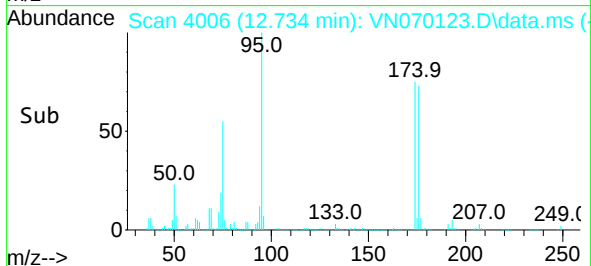
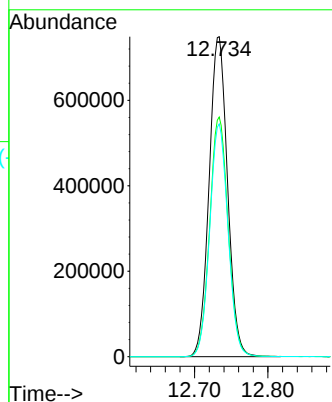
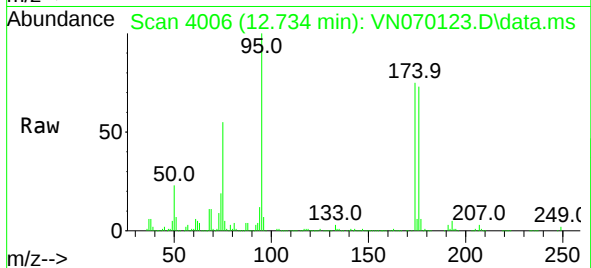




#62
4-Bromofluorobenzene
Concen: 66.906 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

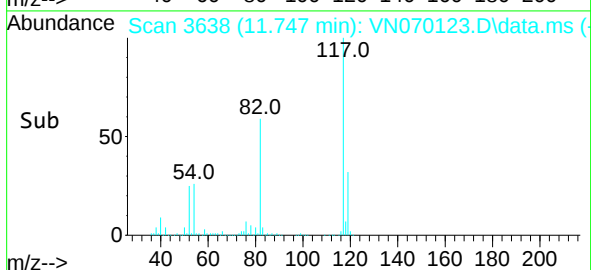
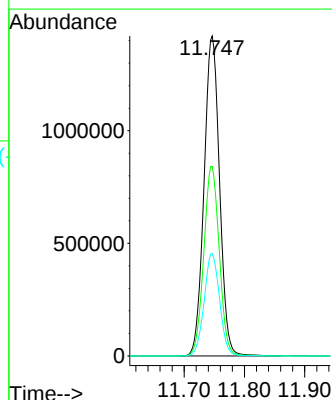
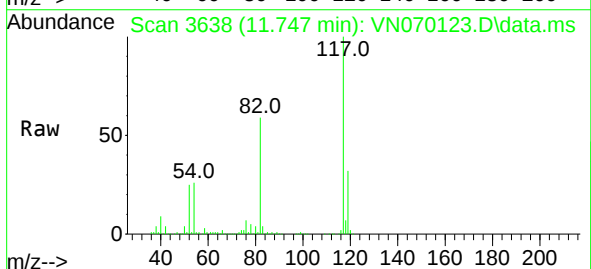
Instrument :
MSVOA_N
ClientSampleId :

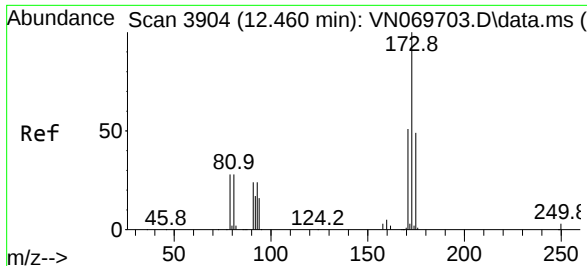
Tgt Ion: 95 Resp: 1308188
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 72.3 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Tgt Ion: 117 Resp: 2540175
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 32.1 25.4 38.2

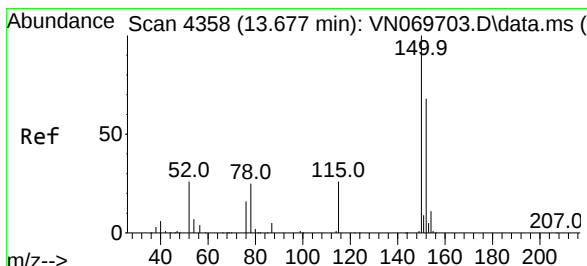
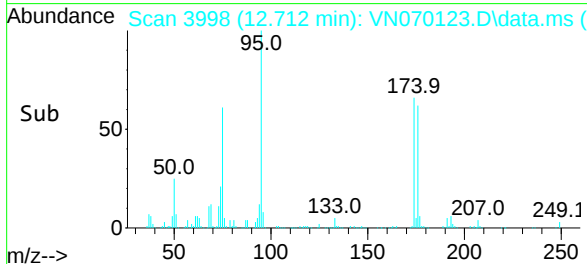
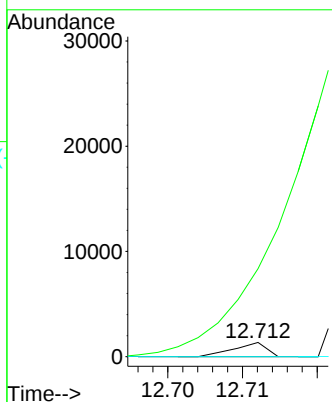
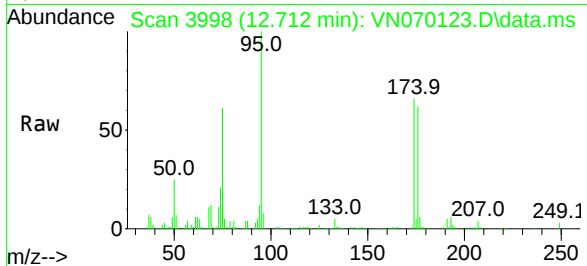




#71
Bromoform
Concen: 2.756 ug/l
RT: 12.712 min Scan# 3904
Delta R.T. 0.252 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

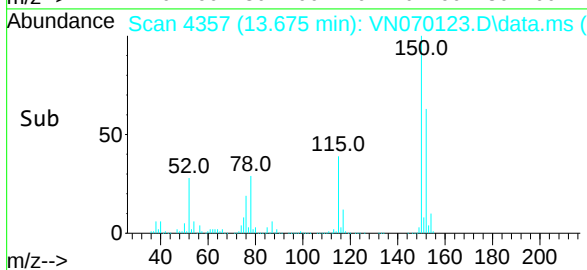
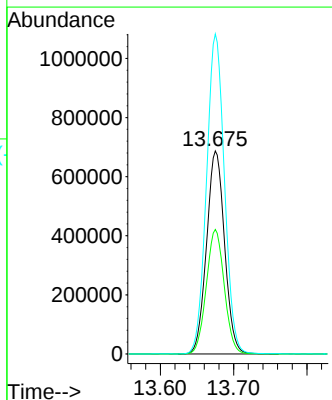
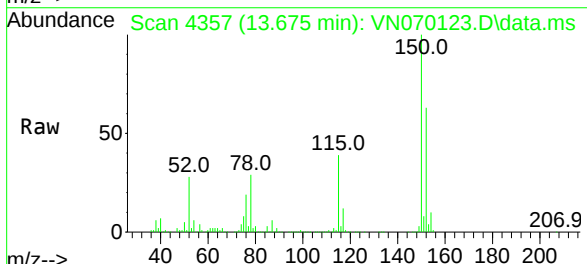
Instrument :
MSVOA_N
ClientSampleId :

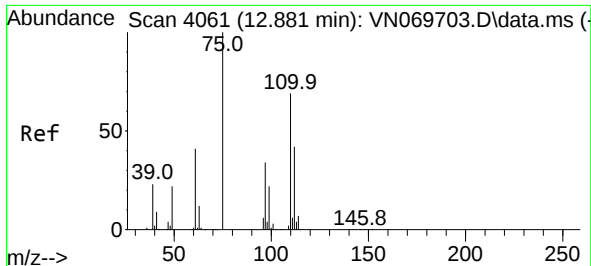
Tgt Ion:173 Resp: 413
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

Tgt Ion:152 Resp: 1174971
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 156.6 0.0 344.4

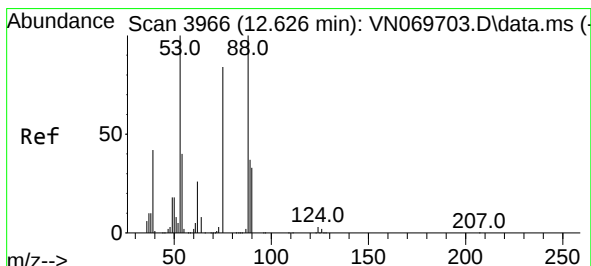
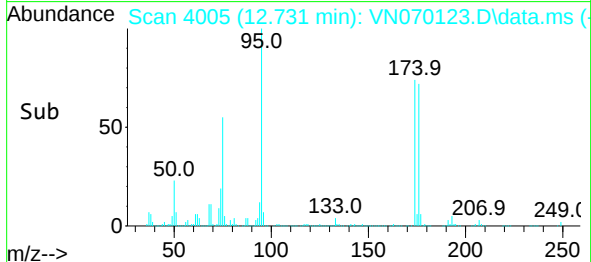
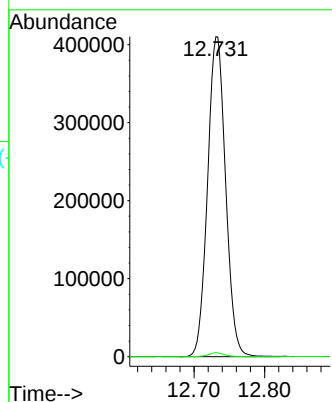
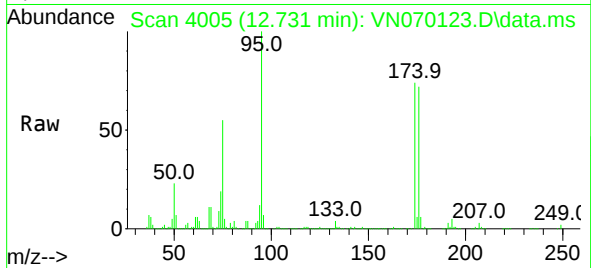




#76
1,2,3-Trichloropropane
Concen: 21.622 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

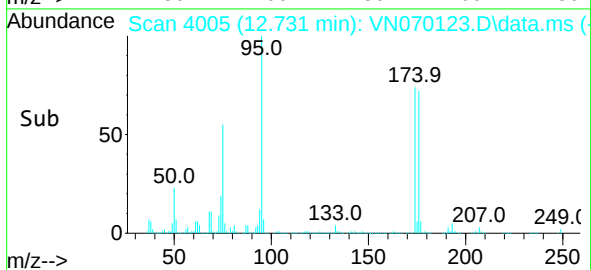
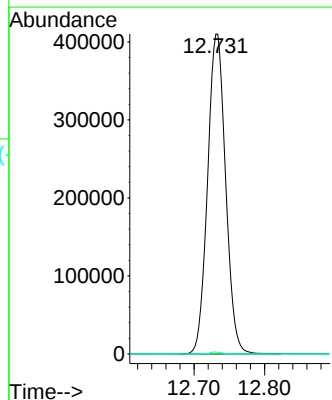
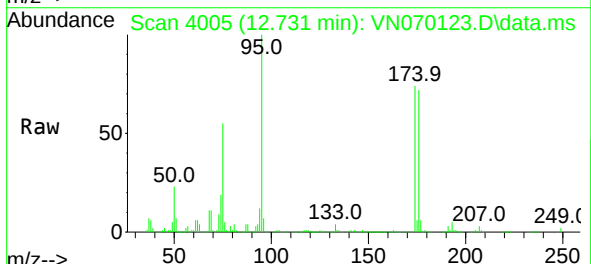
Instrument :
MSVOA_N
ClientSampleId :

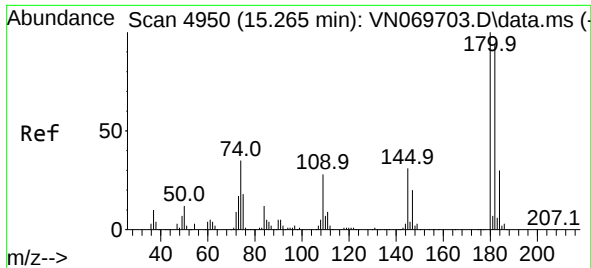
Tgt Ion: 75 Resp: 728562
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.079 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070123.D
Acq: 15 Dec 2021 20:08

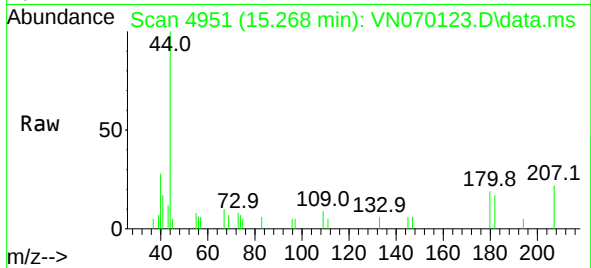
Tgt Ion: 75 Resp: 728562
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.4 38.2 57.4#



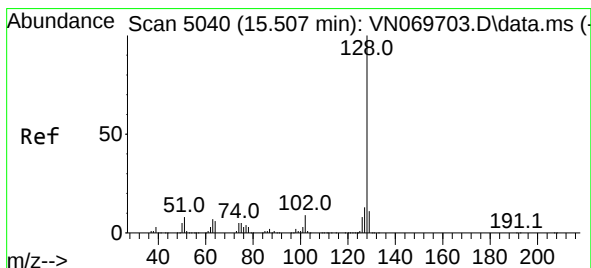
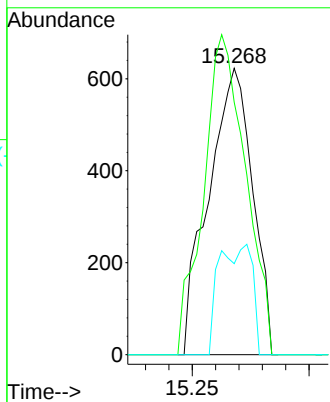
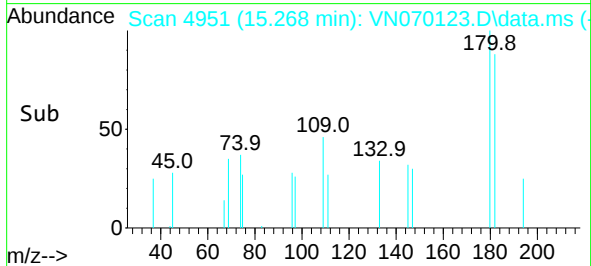


#93
 1,2,4-Trichlorobenzene
 Concen: 2.918 ug/l
 RT: 15.268 min Scan# 4950
 Delta R.T. 0.003 min
 Lab File: VN070123.D
 Acq: 15 Dec 2021 20:08

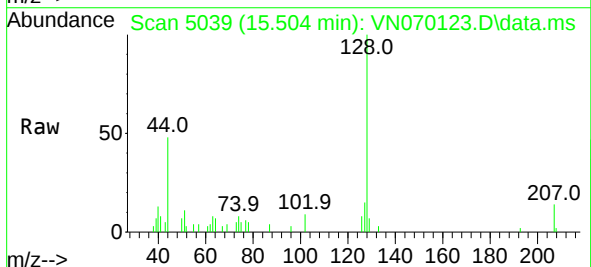
Instrument :
 MSVOA_N
 ClientSampleId :



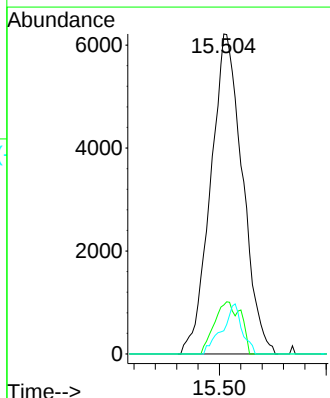
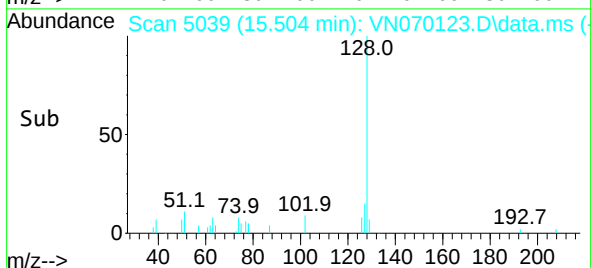
Tgt Ion:180 Resp: 815
 Ion Ratio Lower Upper
 180 100
 182 107.1 48.3 144.9
 145 29.2 14.5 43.5

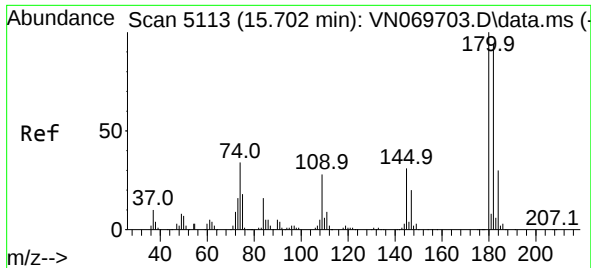


#95
 Naphthalene
 Concen: 4.191 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. -0.003 min
 Lab File: VN070123.D
 Acq: 15 Dec 2021 20:08



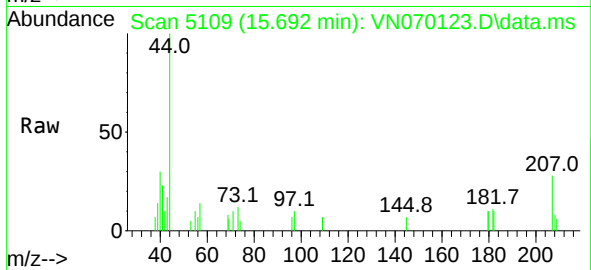
Tgt Ion:128 Resp: 12849
 Ion Ratio Lower Upper
 128 100
 127 10.2 10.5 15.7#
 129 9.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.488 ug/l
 RT: 15.692 min Scan# 51
 Delta R.T. -0.010 min
 Lab File: VN070123.D
 Acq: 15 Dec 2021 20:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1039
Ion	Ratio	Lower	Upper
180	100		
182	125.5	47.4	142.2
145	18.6	15.0	45.1

