

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012122\
 Data File : VN070738.D
 Acq On : 21 Jan 2022 18:06
 Operator : JC/MD
 Sample : N1228-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 05:30:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

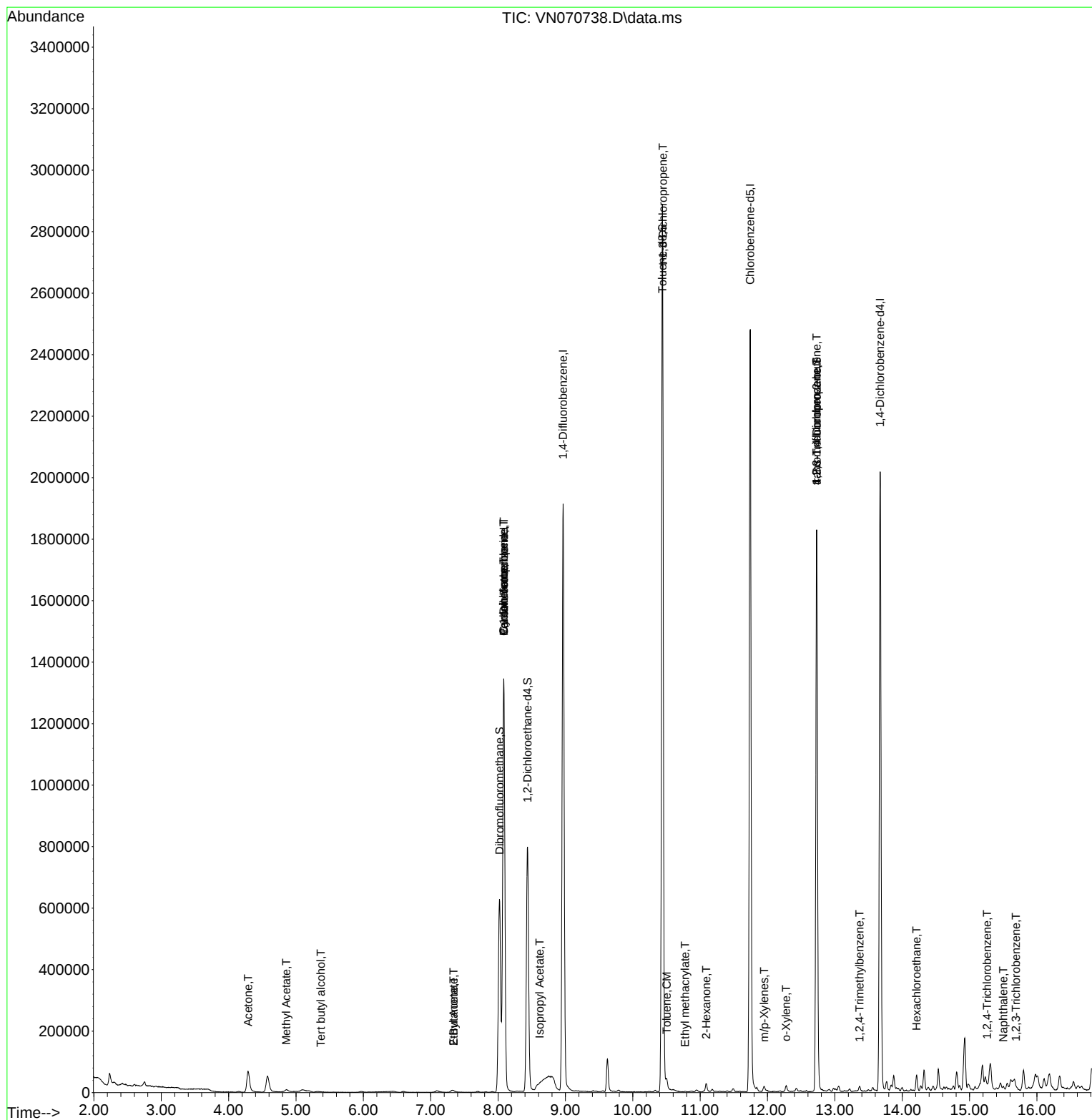
Internal Standards						
1) Pentafluorobenzene	8.086	168	1007290	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1631453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1422459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	550309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	687657	47.635	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.260%		
35) Dibromofluoromethane	8.021	113	474282	46.866	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.740%		
50) Toluene-d8	10.440	98	1997179	46.846	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.700%		
62) 4-Bromofluorobenzene	12.731	95	673910	44.360	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.720%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.369	59	586	0.225	ug/l #	71
16) Acetone	4.288	43	129154	12.890	ug/l	97
18) Methyl Acetate	4.857	43	12499	0.634	ug/l #	66
25) 2-Butanone	7.340	43	7332	0.582	ug/l #	76
30) Chloroform	7.809	83	1486	Below Cal		88
31) Cyclohexane	8.083	56	23037	0.906	ug/l #	1
36) 1,1-Dichloropropene	8.083	75	84834	4.979	ug/l #	48
37) Ethyl Acetate	7.340	43	7332	0.324	ug/l #	68
38) Carbon Tetrachloride	8.086	117	103586	6.835	ug/l #	16
43) Isopropyl Acetate	8.617	43	32869	0.951	ug/l #	55
52) Toluene	10.505	92	11559	0.366	ug/l	96
53) t-1,3-Dichloropropene	10.446	75	127	2.410	ug/l #	1
56) Ethyl methacrylate	10.776	69	181	2.309	ug/l #	1
59) 2-Hexanone	11.089	43	6622	0.414	ug/l #	62
68) m/p-Xylenes	11.950	106	5755	0.277	ug/l	89
69) o-Xylene	12.278	106	4898	0.237	ug/l	84
76) 1,2,3-Trichloropropane	12.731	75	356551	24.429	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	356551	72.777	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	10166	0.251	ug/l	92
90) Hexachloroethane	14.214	117	3114	0.455	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.260	180	940	3.511	ug/l #	1
95) Naphthalene	15.501	128	8895	5.229	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.689	180	1175	3.329	ug/l #	60

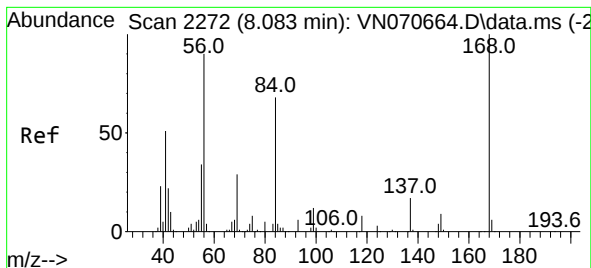
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 18 13:32:07 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 21

Delta R.T. 0.003 min

Lab File: VN070738.D

Acq: 21 Jan 2022 18:06

Instrument :

MSVOA_N

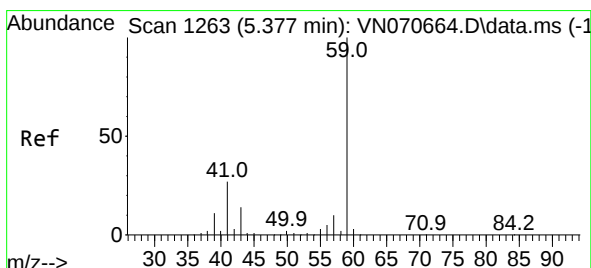
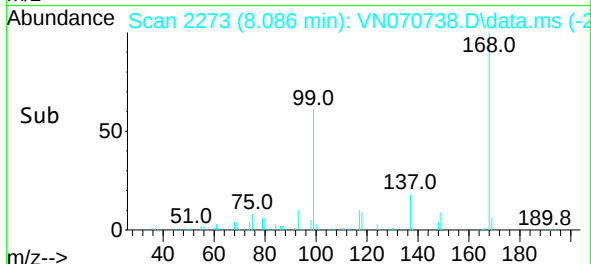
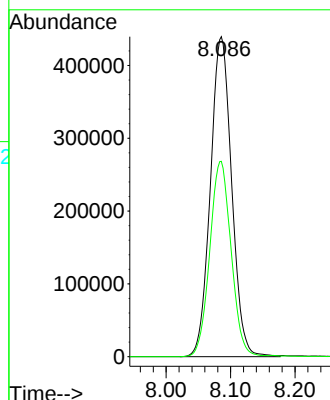
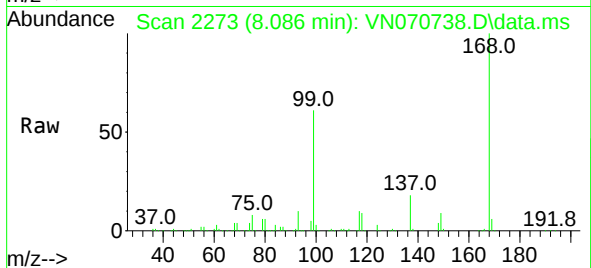
ClientSampleId :

Tgt Ion:168 Resp: 1007290

Ion Ratio Lower Upper

168 100

99 61.0 41.3 61.9



#11

Tert butyl alcohol

Concen: 0.225 ug/l

RT: 5.369 min Scan# 1260

Delta R.T. -0.008 min

Lab File: VN070738.D

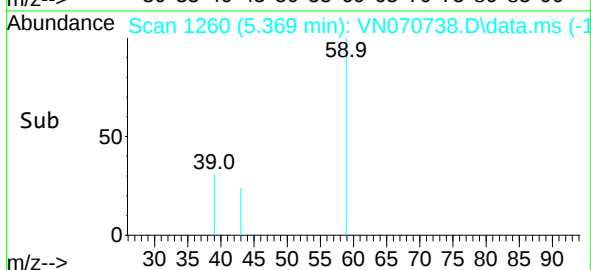
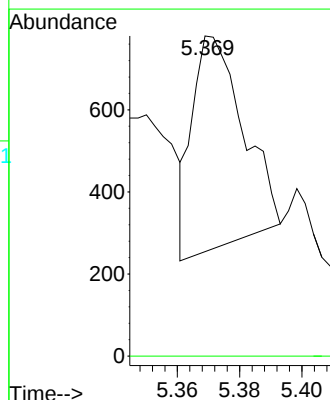
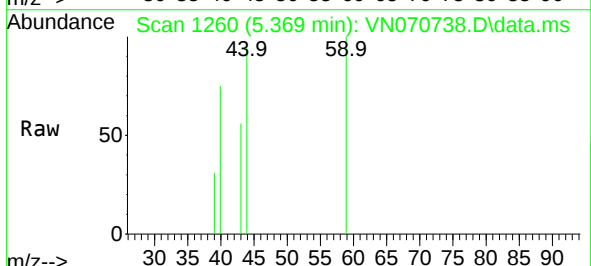
Acq: 21 Jan 2022 18:06

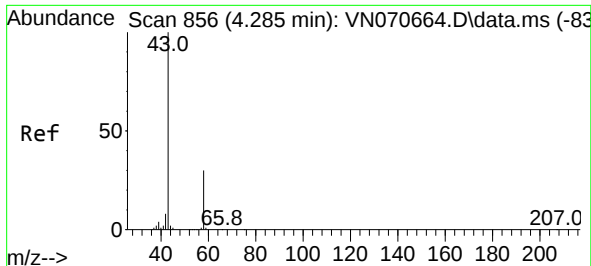
Tgt Ion: 59 Resp: 586

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#

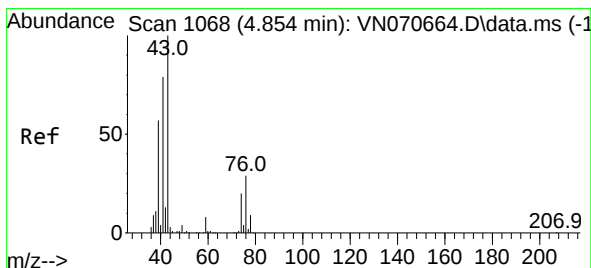
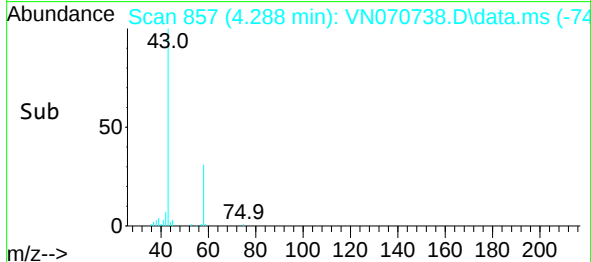
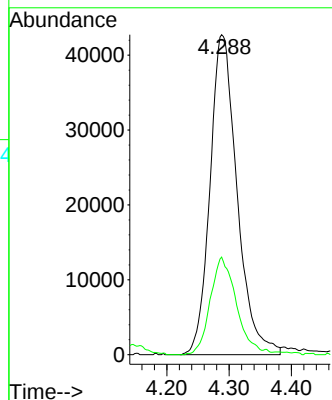
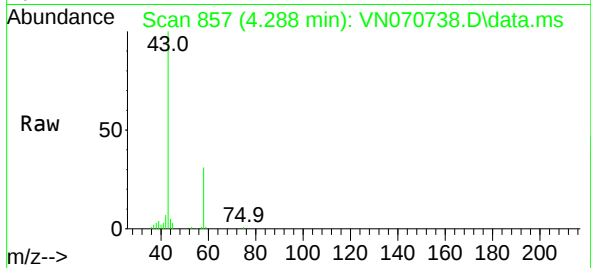




#16
Acetone
Concen: 12.890 ug/l
RT: 4.288 min Scan# 856
Delta R.T. 0.003 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

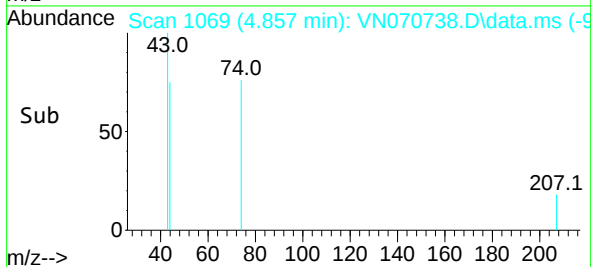
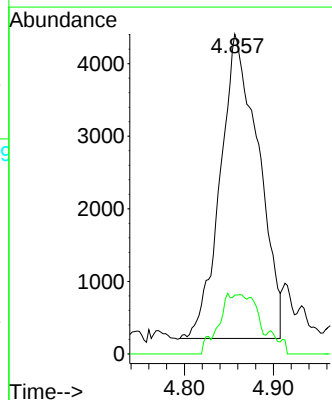
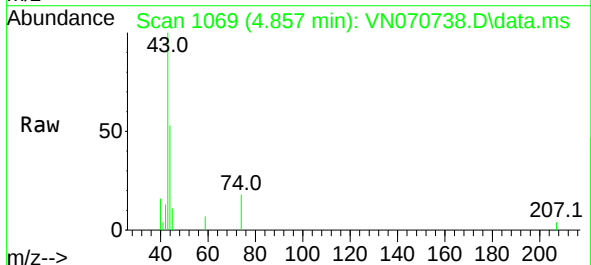
Instrument :
MSVOA_N
ClientSampleId :

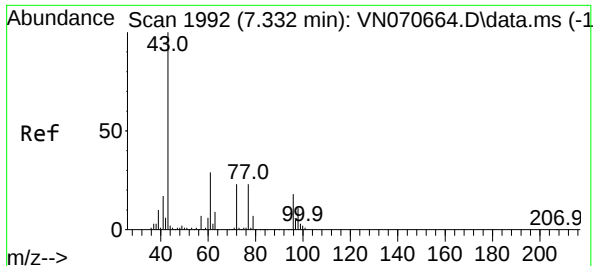
Tgt Ion: 43 Resp: 129154
Ion Ratio Lower Upper
43 100
58 30.5 23.1 34.7



#18
Methyl Acetate
Concen: 0.634 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. 0.003 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Tgt Ion: 43 Resp: 12499
Ion Ratio Lower Upper
43 100
74 7.6 19.4 29.2#





#25

2-Butanone

Concen: 0.582 ug/l

RT: 7.340 min Scan# 1992

Delta R.T. 0.008 min

Lab File: VN070738.D

Acq: 21 Jan 2022 18:06

Instrument :

MSVOA_N

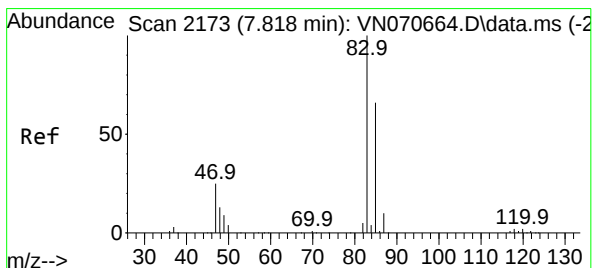
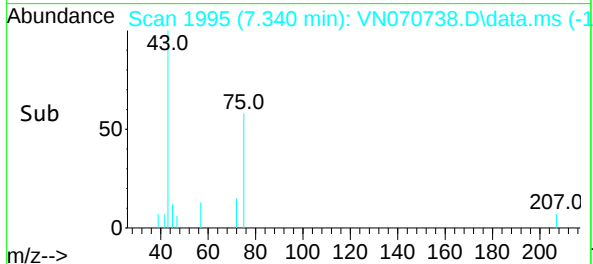
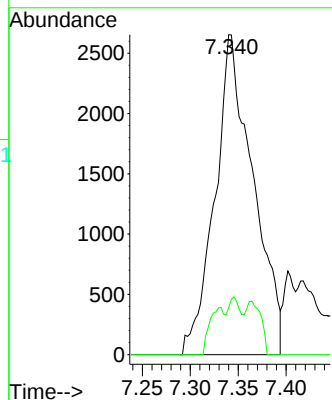
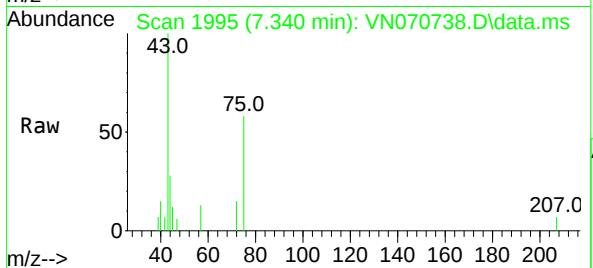
ClientSampleId :

Tgt Ion: 43 Resp: 7332

Ion Ratio Lower Upper

43 100

72 14.7 21.7 32.5#



#30

Chloroform

Concen: Below Cal

RT: 7.809 min Scan# 2170

Delta R.T. -0.009 min

Lab File: VN070738.D

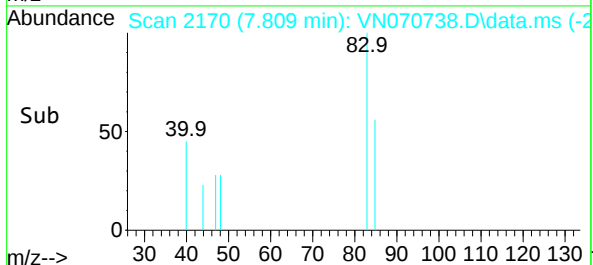
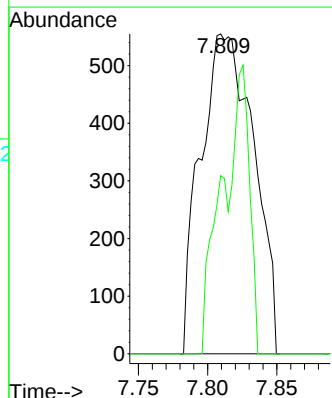
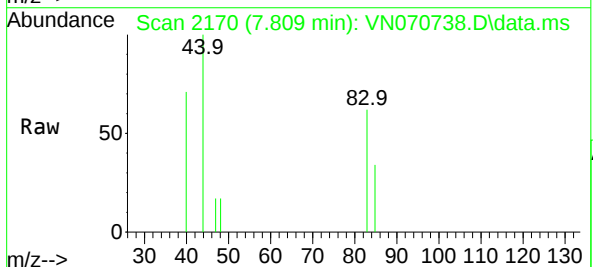
Acq: 21 Jan 2022 18:06

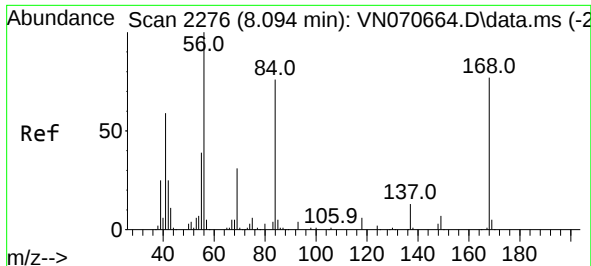
Tgt Ion: 83 Resp: 1486

Ion Ratio Lower Upper

83 100

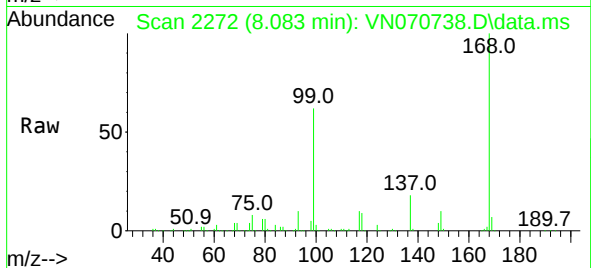
85 55.7 51.9 77.9



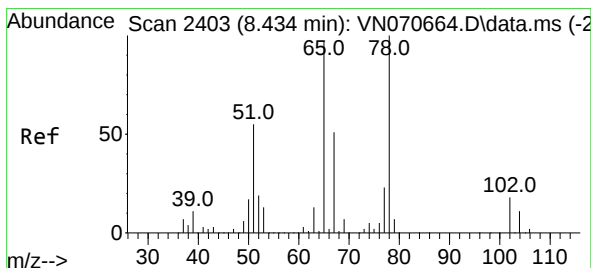
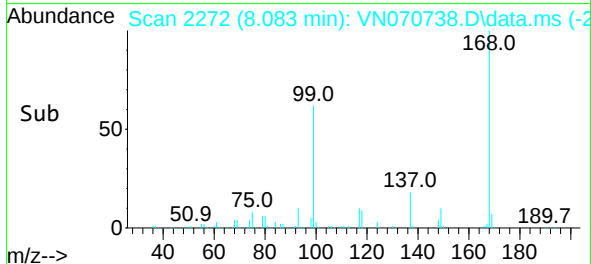
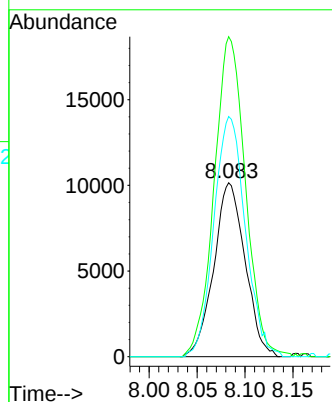


#31
Cyclohexane
Concen: 0.906 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Instrument :
MSVOA_N
ClientSampleId :

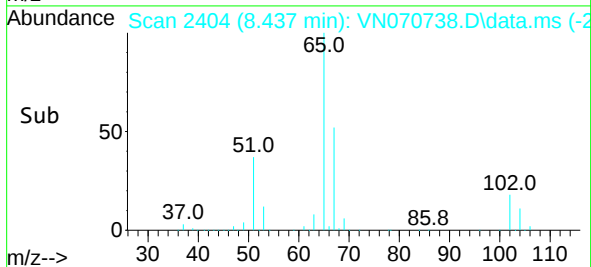
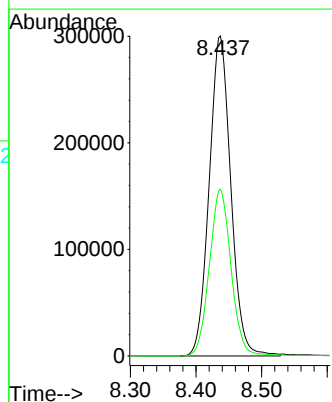
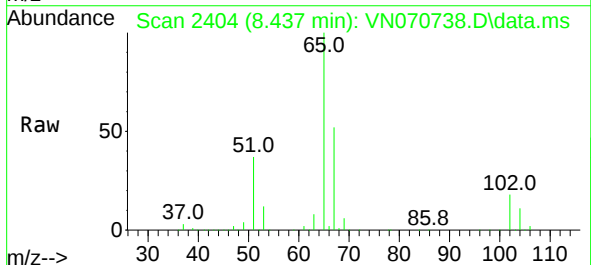


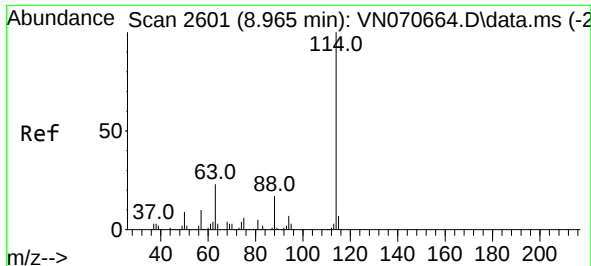
Tgt Ion: 56 Resp: 23037
Ion Ratio Lower Upper
56 100
69 183.9 27.1 40.7#
84 138.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.635 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

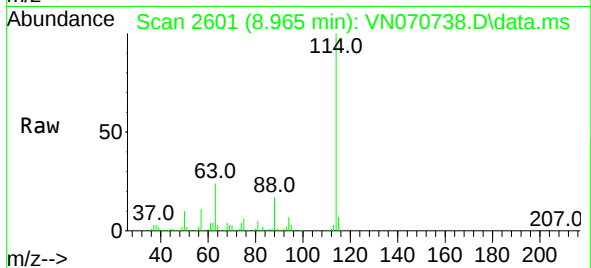
Tgt Ion: 65 Resp: 687657
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0



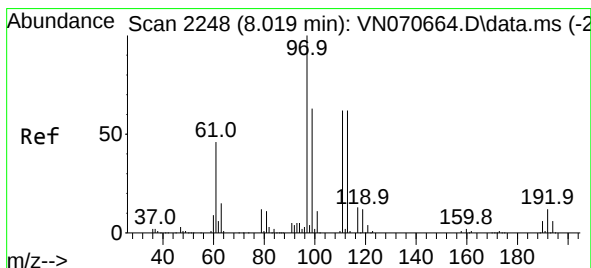
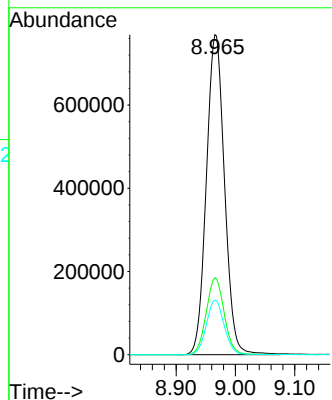
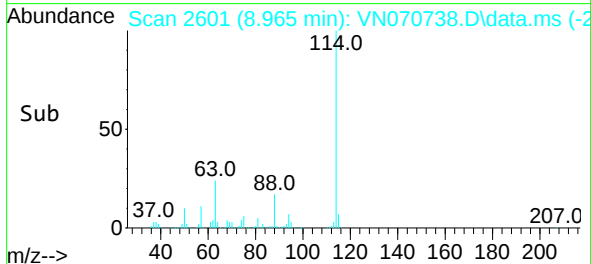


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. 0.000 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Instrument :
MSVOA_N
ClientSampleId :

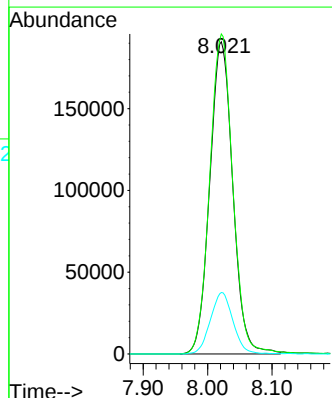
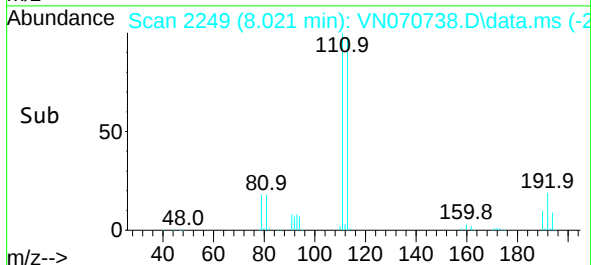
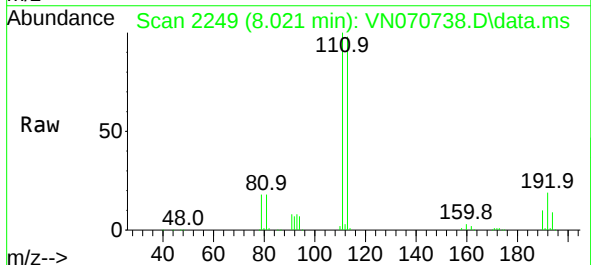


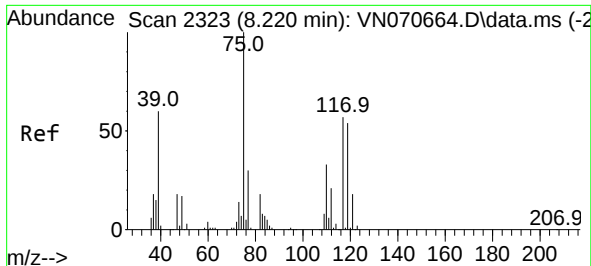
Tgt Ion:114 Resp: 1631453
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 17.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.866 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

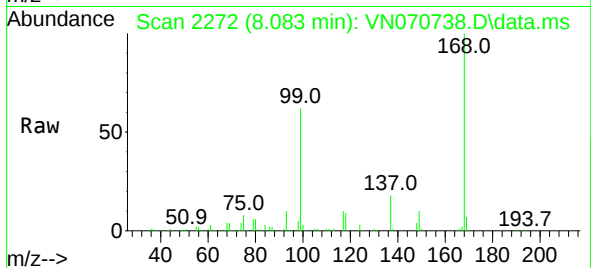
Tgt Ion:113 Resp: 474282
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.3 16.9 25.3



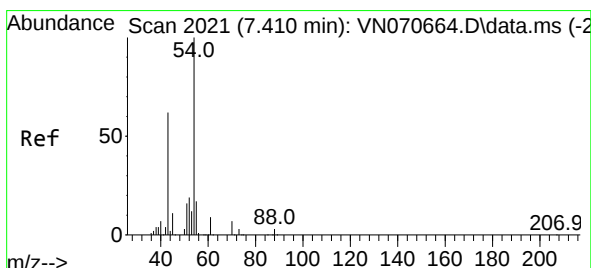
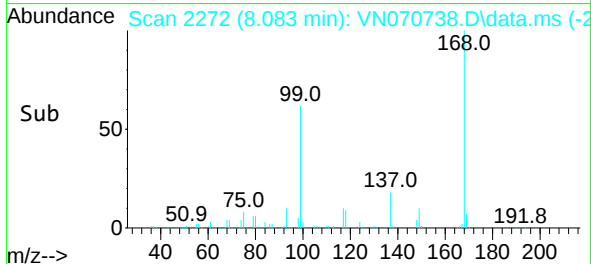
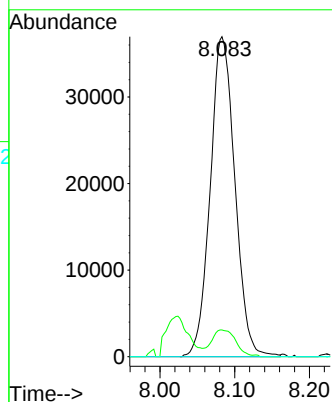


#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Instrument :
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ClientSampleId :

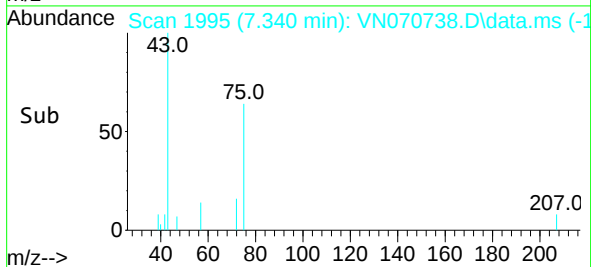
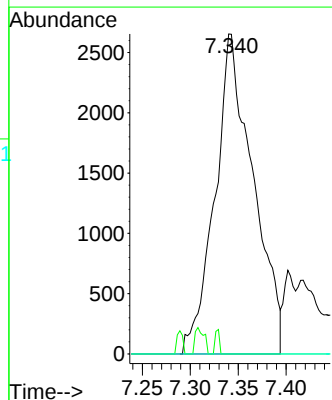
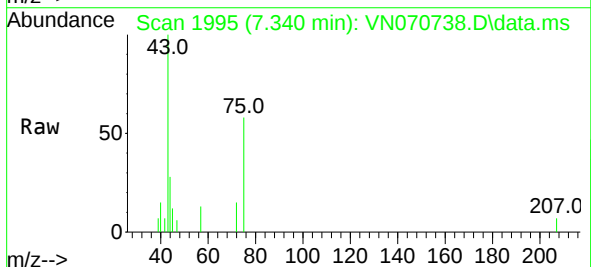


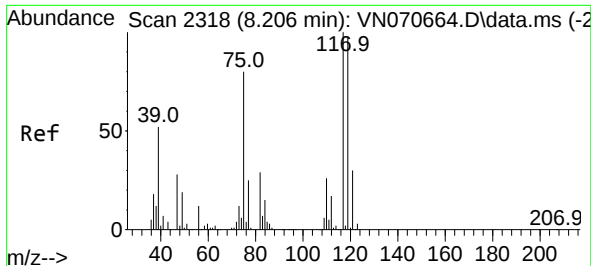
Tgt Ion: 75 Resp: 84834
Ion Ratio Lower Upper
75 100
110 7.5 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.324 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.070 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

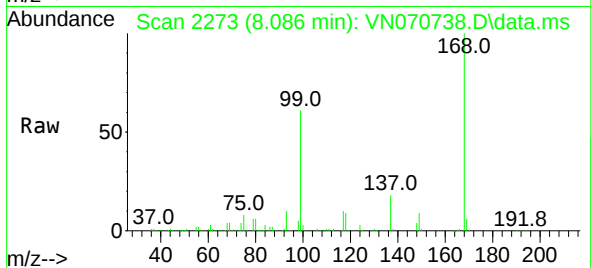
Tgt Ion: 43 Resp: 7332
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#



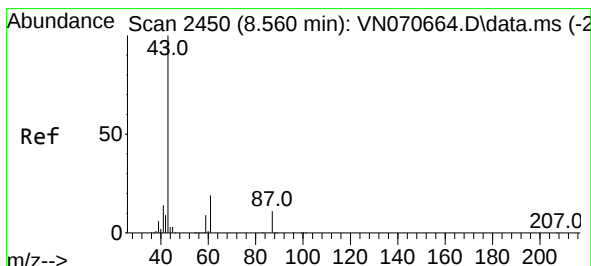
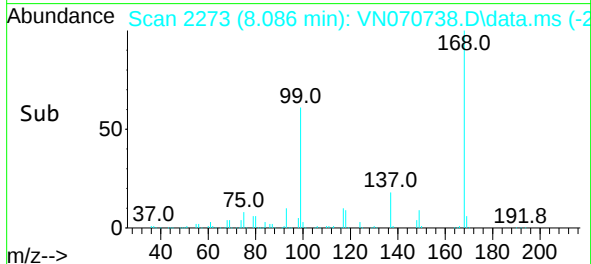
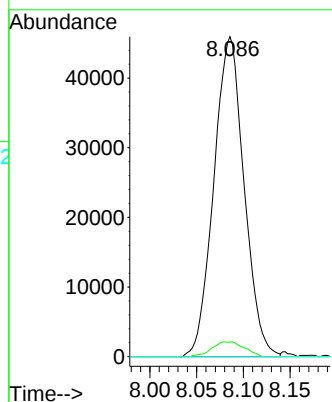


#38
Carbon Tetrachloride
Concen: 6.835 ug/l
RT: 8.086 min Scan# 2471
Delta R.T. -0.120 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Instrument :
MSVOA_N
ClientSampleId :

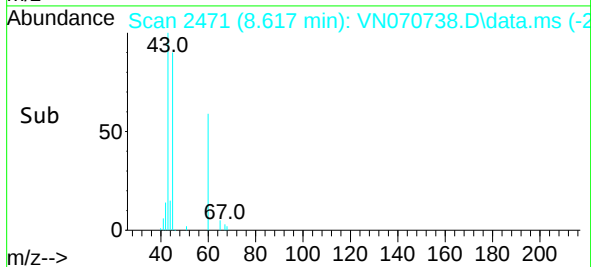
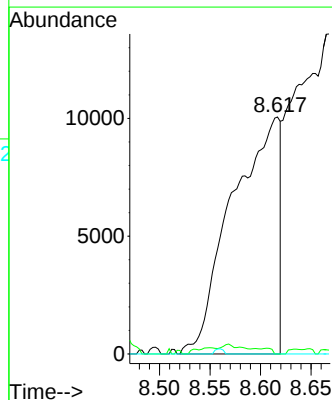
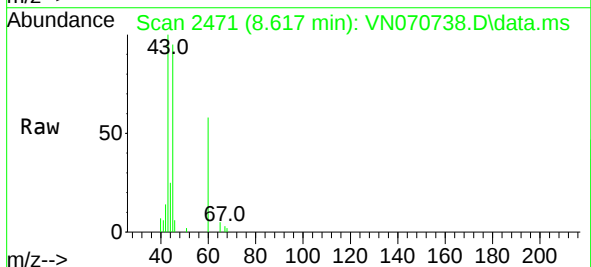


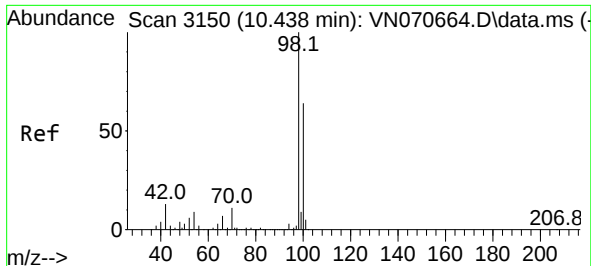
Tgt Ion:117 Resp: 103586
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.951 ug/l
RT: 8.617 min Scan# 2471
Delta R.T. 0.057 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Tgt Ion: 43 Resp: 32869
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

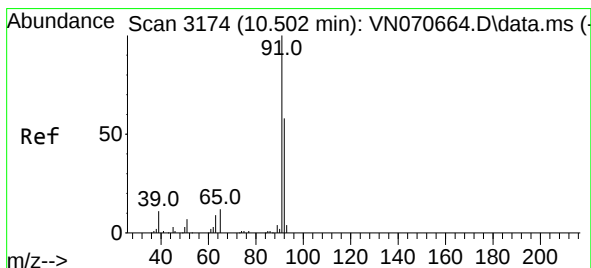
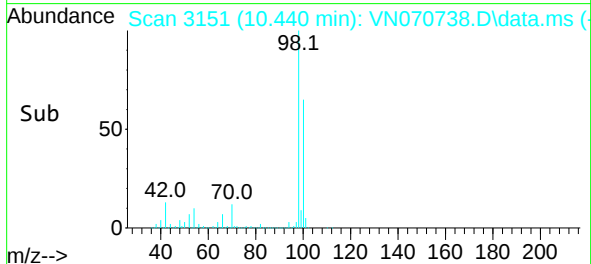
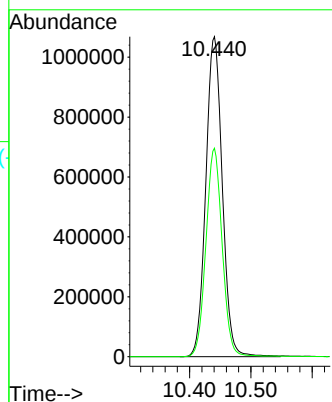
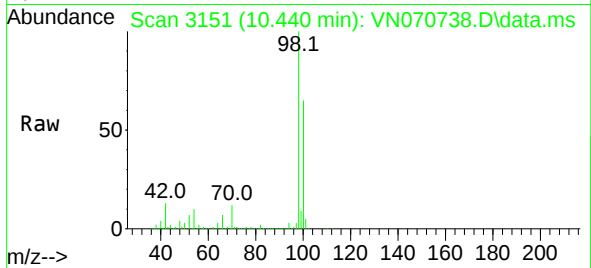




#50
Toluene-d8
Concen: 46.846 ug/l
RT: 10.440 min Scan# 3150
Delta R.T. 0.002 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

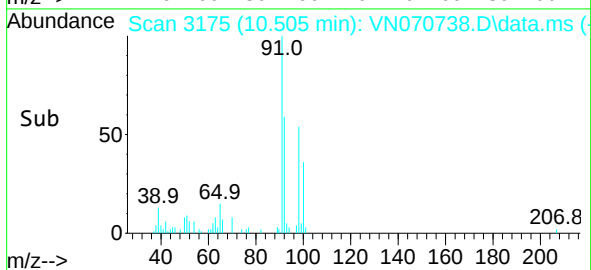
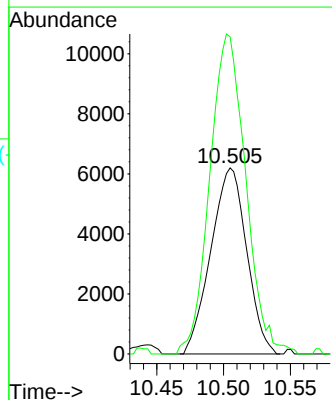
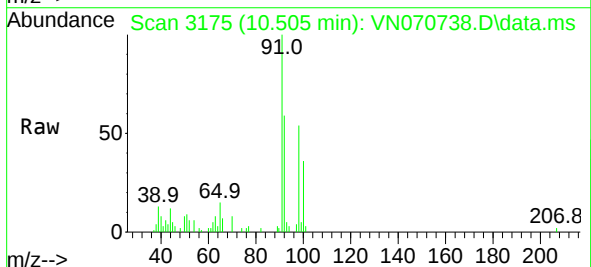
Instrument :
MSVOA_N
ClientSampleId :

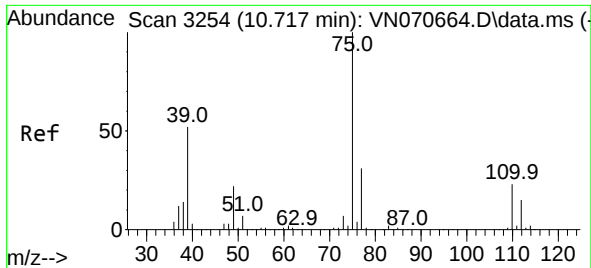
Tgt Ion: 98 Resp: 1997179
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6



#52
Toluene
Concen: 0.366 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. 0.003 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Tgt Ion: 92 Resp: 11559
Ion Ratio Lower Upper
92 100
91 172.5 142.0 213.0

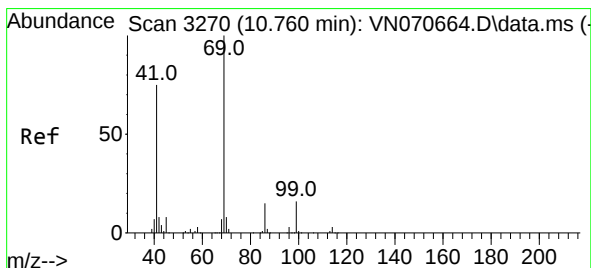
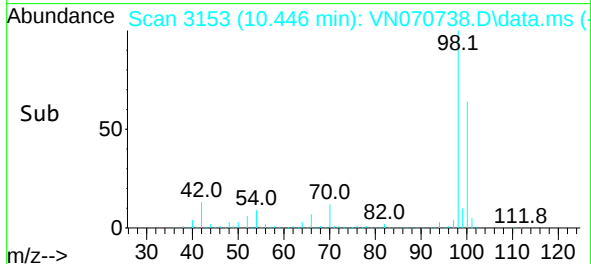
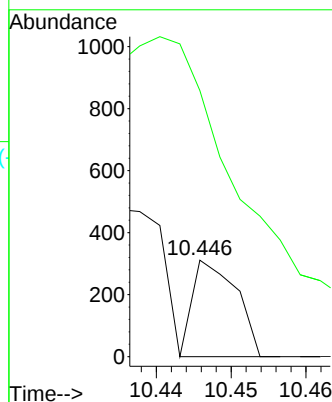
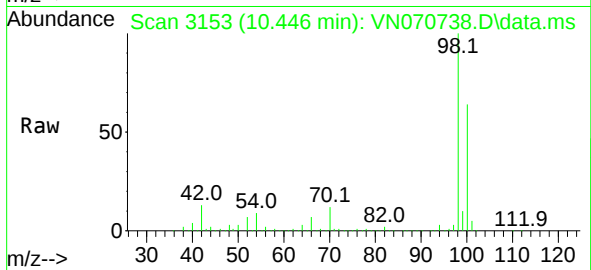




#53
t-1,3-Dichloropropene
Concen: 2.410 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.271 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

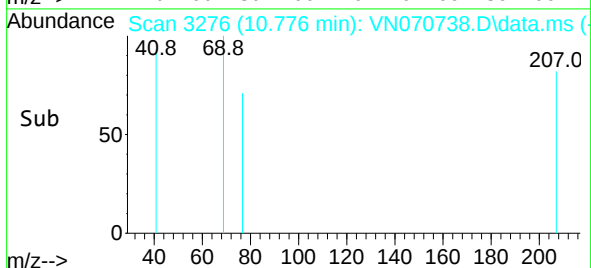
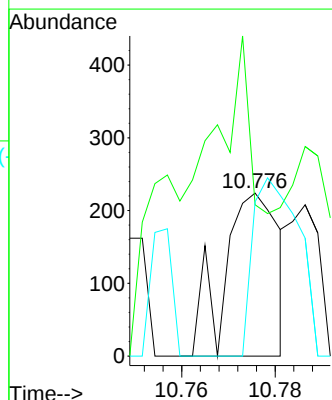
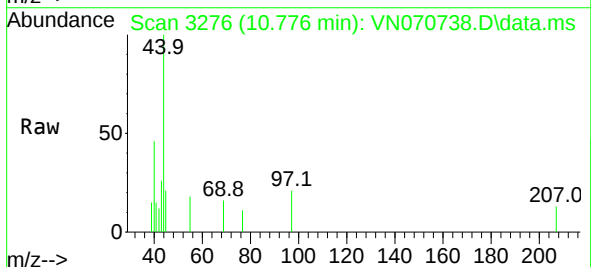
Instrument :
MSVOA_N
ClientSampleId :

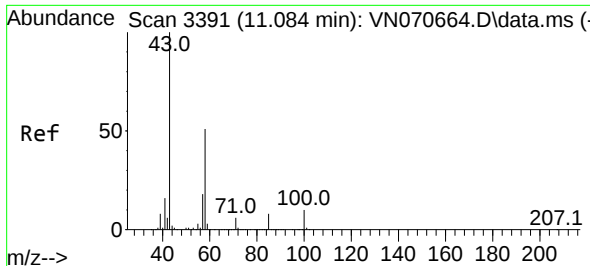
Tgt Ion: 75 Resp: 127
Ion Ratio Lower Upper
75 100
77 155.0 25.6 38.4#



#56
Ethyl methacrylate
Concen: 2.309 ug/l
RT: 10.776 min Scan# 3276
Delta R.T. 0.016 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Tgt Ion: 69 Resp: 181
Ion Ratio Lower Upper
69 100
41 175.7 51.4 77.0#
39 92.3 34.6 52.0#

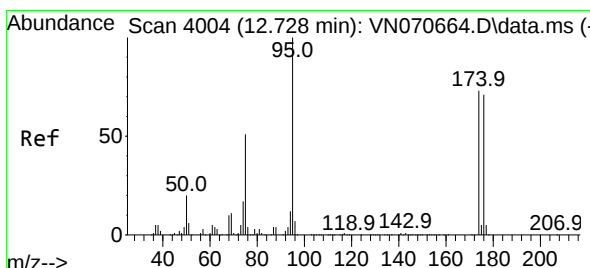
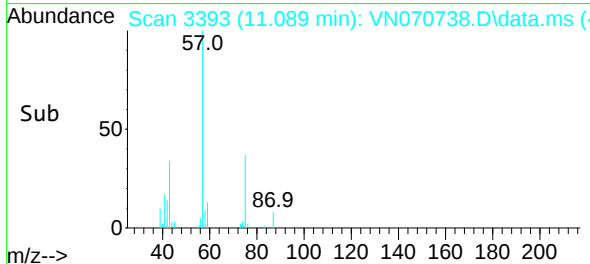
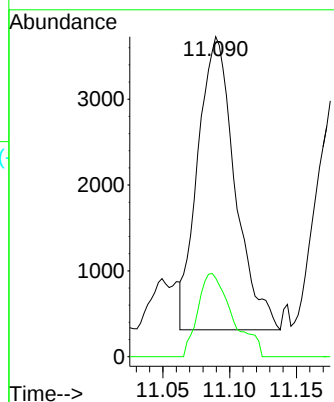
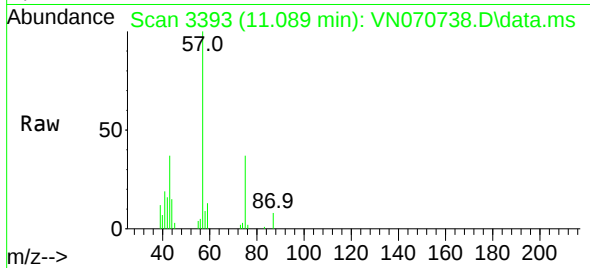




#59
2-Hexanone
Concen: 0.414 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

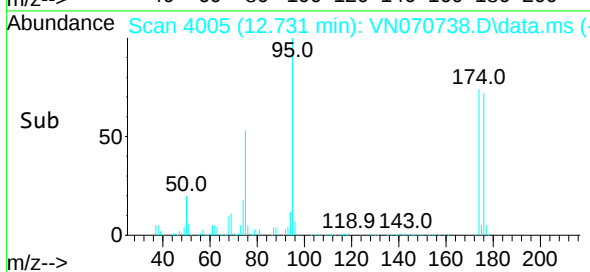
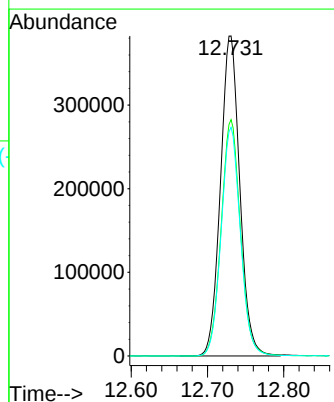
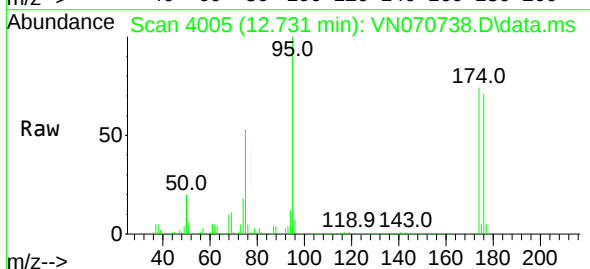
Instrument :
MSVOA_N
ClientSampleId :

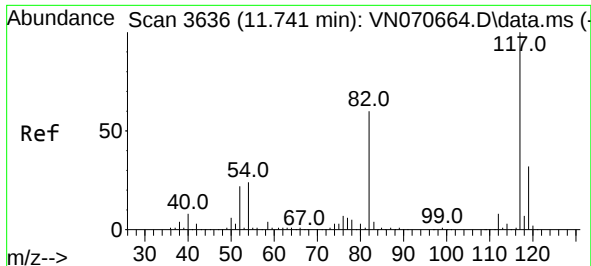
Tgt Ion: 43 Resp: 6622
Ion Ratio Lower Upper
43 100
58 26.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 44.360 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Tgt Ion: 95 Resp: 673910
Ion Ratio Lower Upper
95 100
174 73.9 0.0 187.2
176 71.2 0.0 181.4

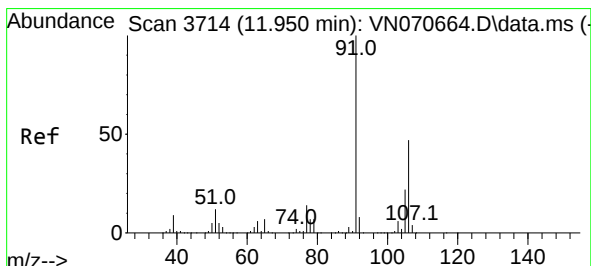
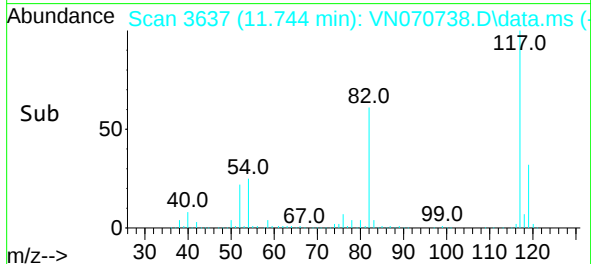
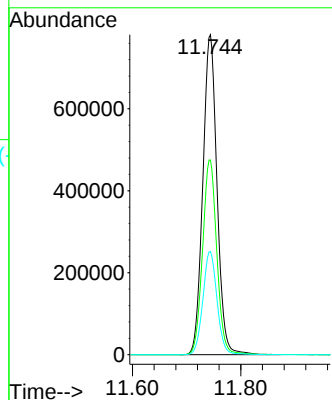
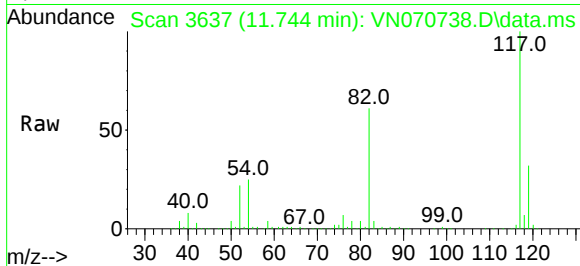




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3636
Delta R.T. 0.003 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

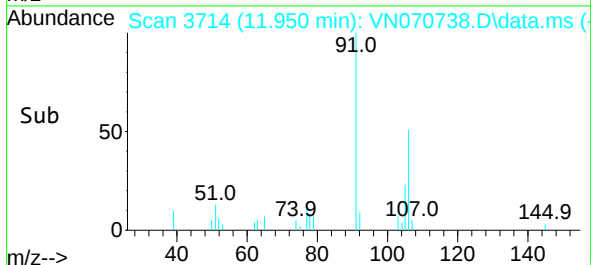
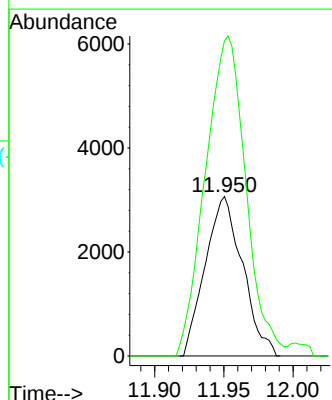
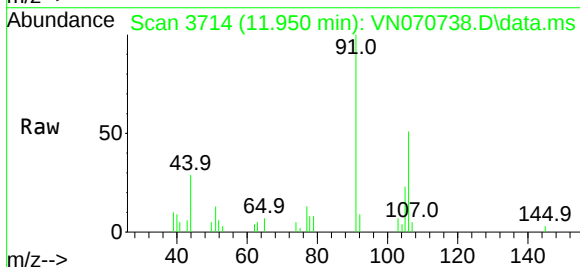
Instrument :
MSVOA_N
ClientSampleId :

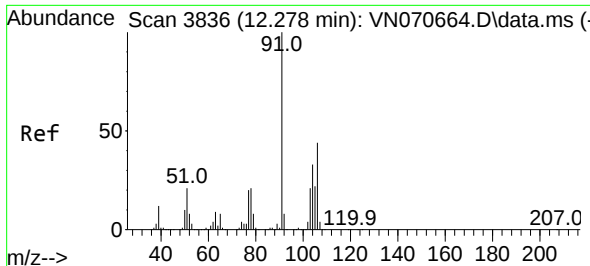
Tgt Ion:117 Resp: 1422459
Ion Ratio Lower Upper
117 100
82 60.8 42.4 63.6
119 32.2 25.4 38.2



#68
m/p-Xylenes
Concen: 0.277 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. 0.000 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Tgt Ion:106 Resp: 5755
Ion Ratio Lower Upper
106 100
91 216.8 160.6 240.8

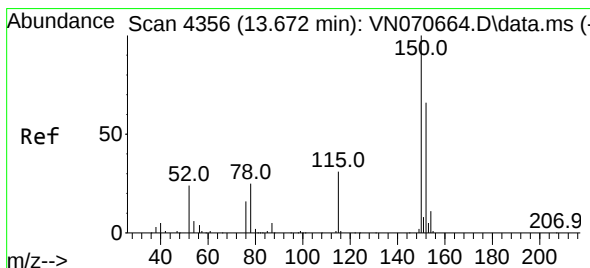
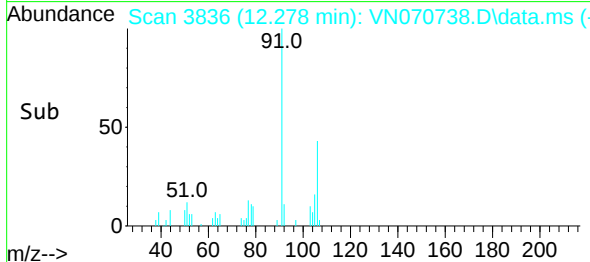
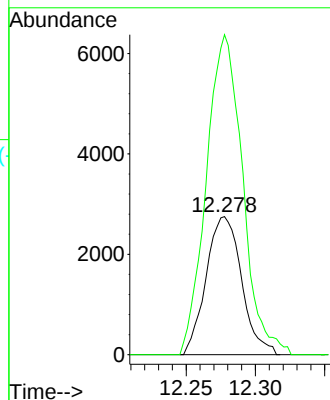
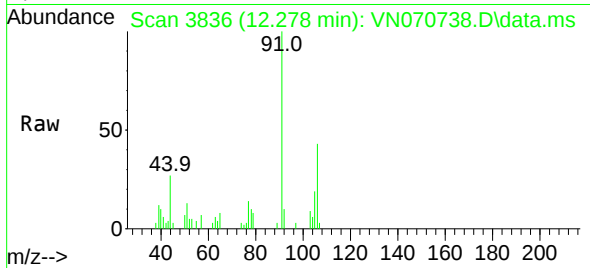




#69
o-Xylene
Concen: 0.237 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

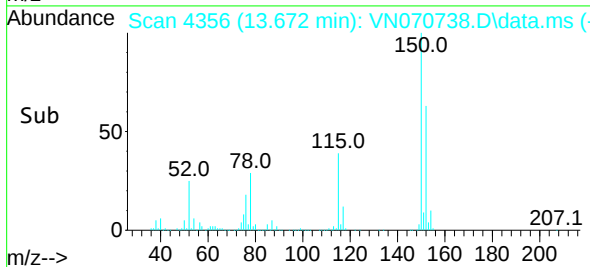
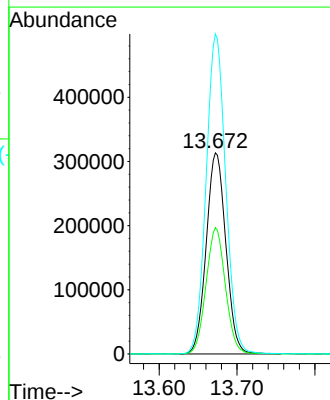
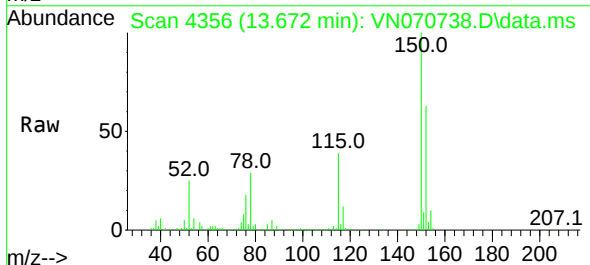
Instrument :
MSVOA_N
ClientSampleId :

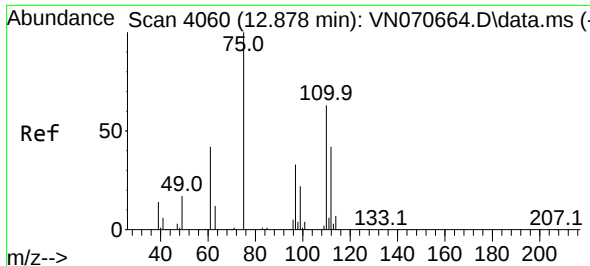
Tgt Ion:106 Resp: 4898
Ion Ratio Lower Upper
106 100
91 237.1 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Tgt Ion:152 Resp: 550309
Ion Ratio Lower Upper
152 100
115 61.7 27.5 82.5
150 158.1 0.0 344.4

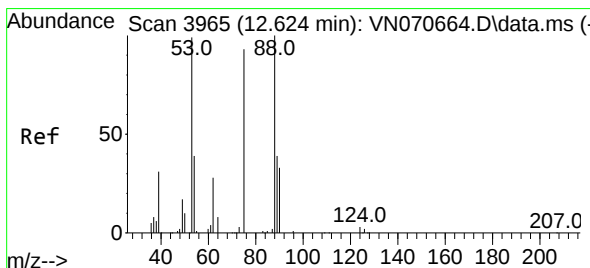
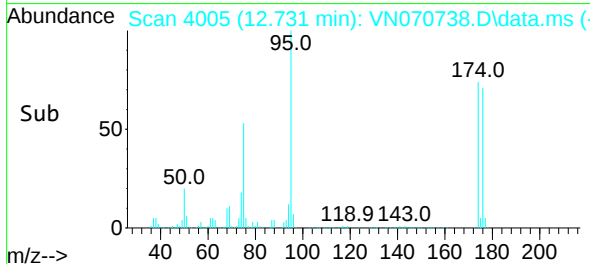
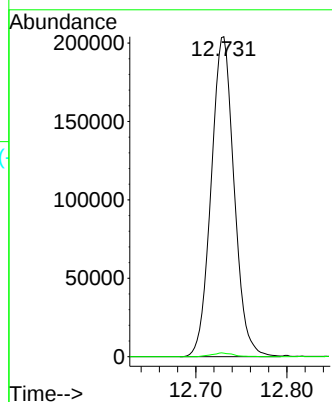
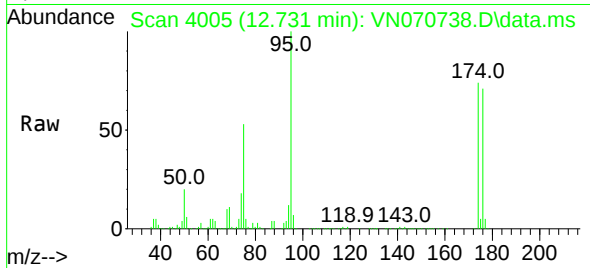




#76
1,2,3-Trichloropropane
Concen: 24.429 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

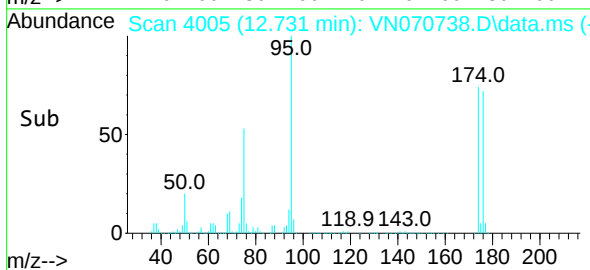
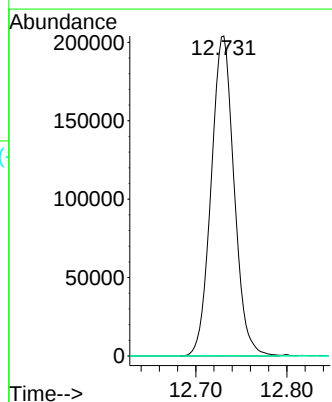
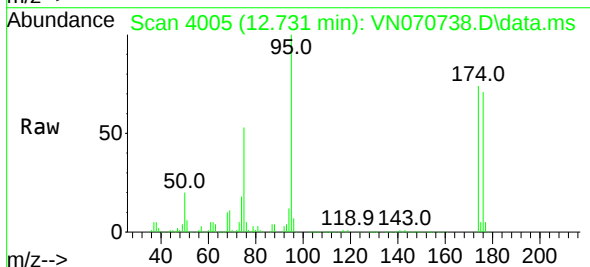
Instrument :
MSVOA_N
ClientSampleId :

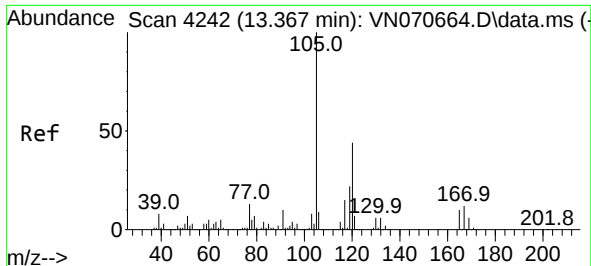
Tgt Ion: 75 Resp: 356551
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.777 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

Tgt Ion: 75 Resp: 356551
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

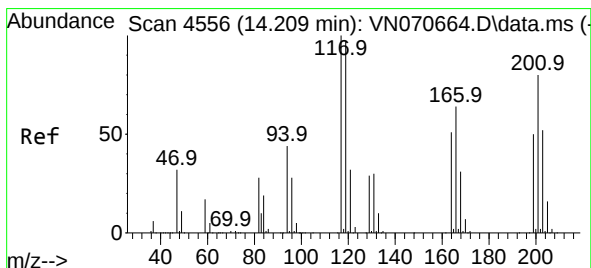
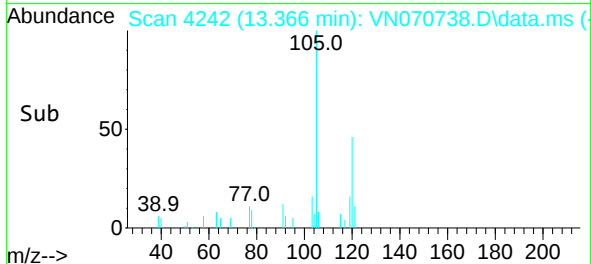
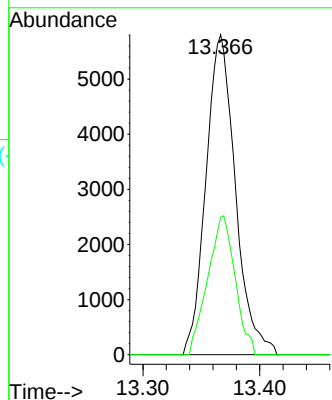
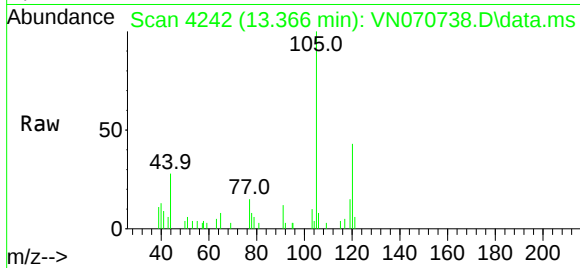




#84
 1,2,4-Trimethylbenzene
 Concen: 0.251 ug/l
 RT: 13.366 min Scan# 41
 Delta R.T. -0.001 min
 Lab File: VN070738.D
 Acq: 21 Jan 2022 18:06

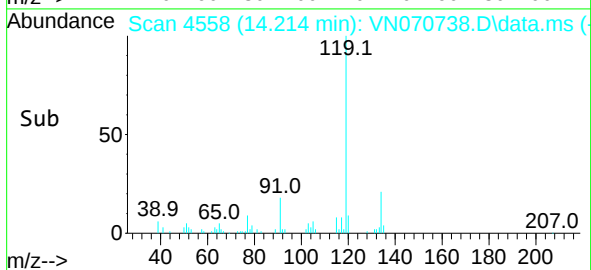
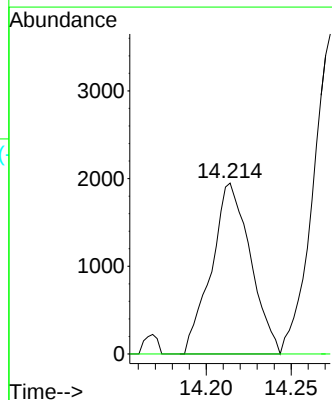
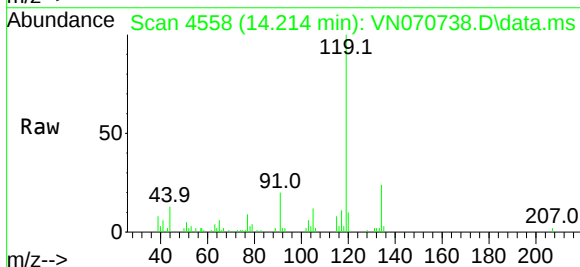
Instrument :
 MSVOA_N
 ClientSampleId :

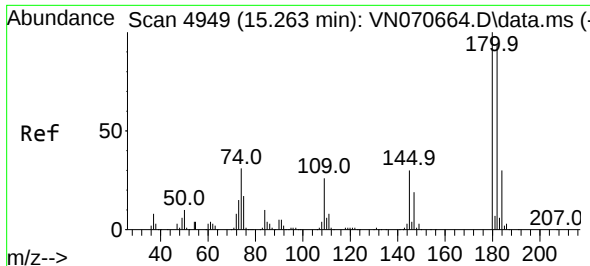
Tgt Ion:105 Resp: 10166
 Ion Ratio Lower Upper
 105 100
 120 40.3 22.8 68.4



#90
 Hexachloroethane
 Concen: 0.455 ug/l
 RT: 14.214 min Scan# 4558
 Delta R.T. 0.005 min
 Lab File: VN070738.D
 Acq: 21 Jan 2022 18:06

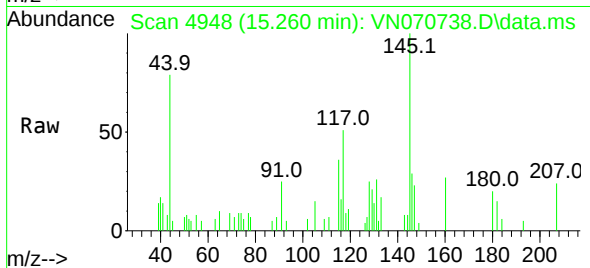
Tgt Ion:117 Resp: 3114
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.9 131.6#



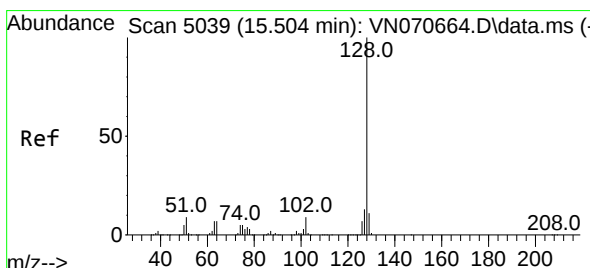
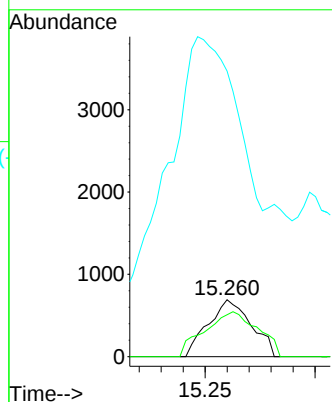
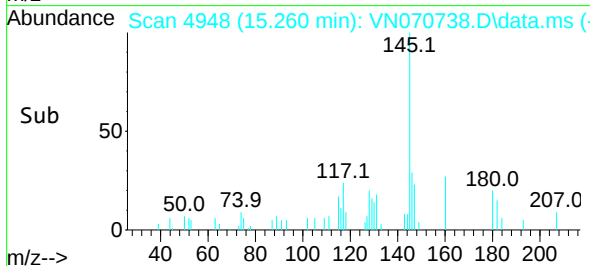


#93
1,2,4-Trichlorobenzene
Concen: 3.511 ug/l
RT: 15.260 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06

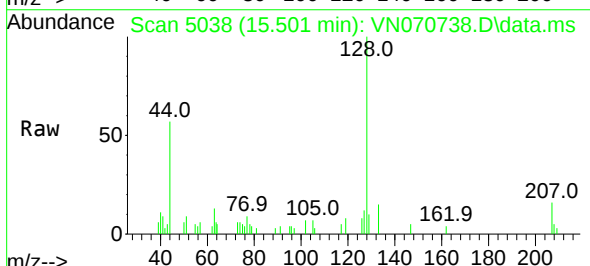
Instrument :
MSVOA_N
ClientSampleId :



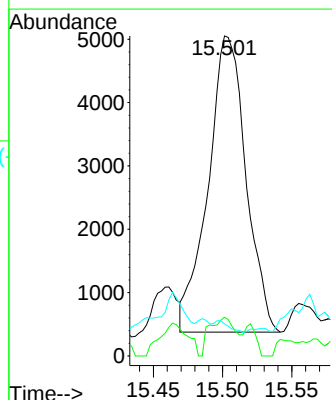
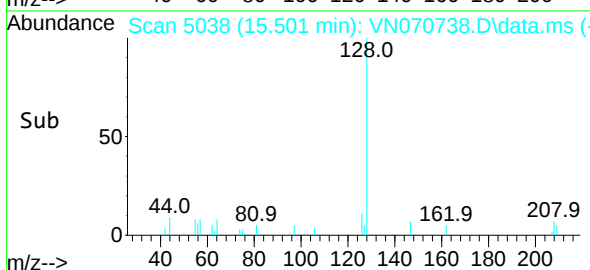
Tgt Ion:180 Resp: 940
Ion Ratio Lower Upper
180 100
182 97.8 48.3 144.9
145 816.0 14.5 43.5#

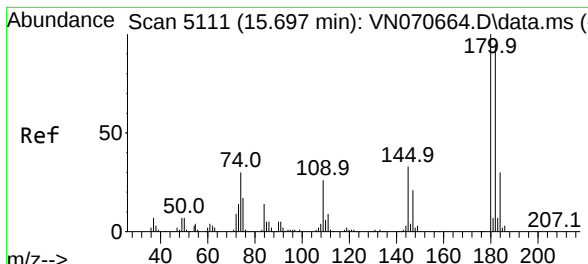


#95
Naphthalene
Concen: 5.229 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.003 min
Lab File: VN070738.D
Acq: 21 Jan 2022 18:06



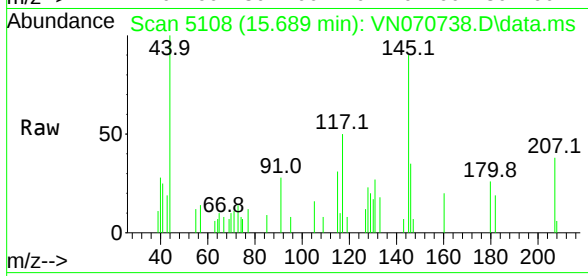
Tgt Ion:128 Resp: 8895
Ion Ratio Lower Upper
128 100
127 8.8 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.329 ug/l
 RT: 15.689 min Scan# 51
 Delta R.T. -0.008 min
 Lab File: VN070738.D
 Acq: 21 Jan 2022 18:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1175
 Ion Ratio Lower Upper
 180 100
 182 61.0 47.4 142.2
 145 0.0 15.0 45.1#

