

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070721\
 Data File : VN067650.D
 Acq On : 7 Jul 2021 22:01
 Operator : JC/MD
 Sample : M2928-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 08 06:11:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

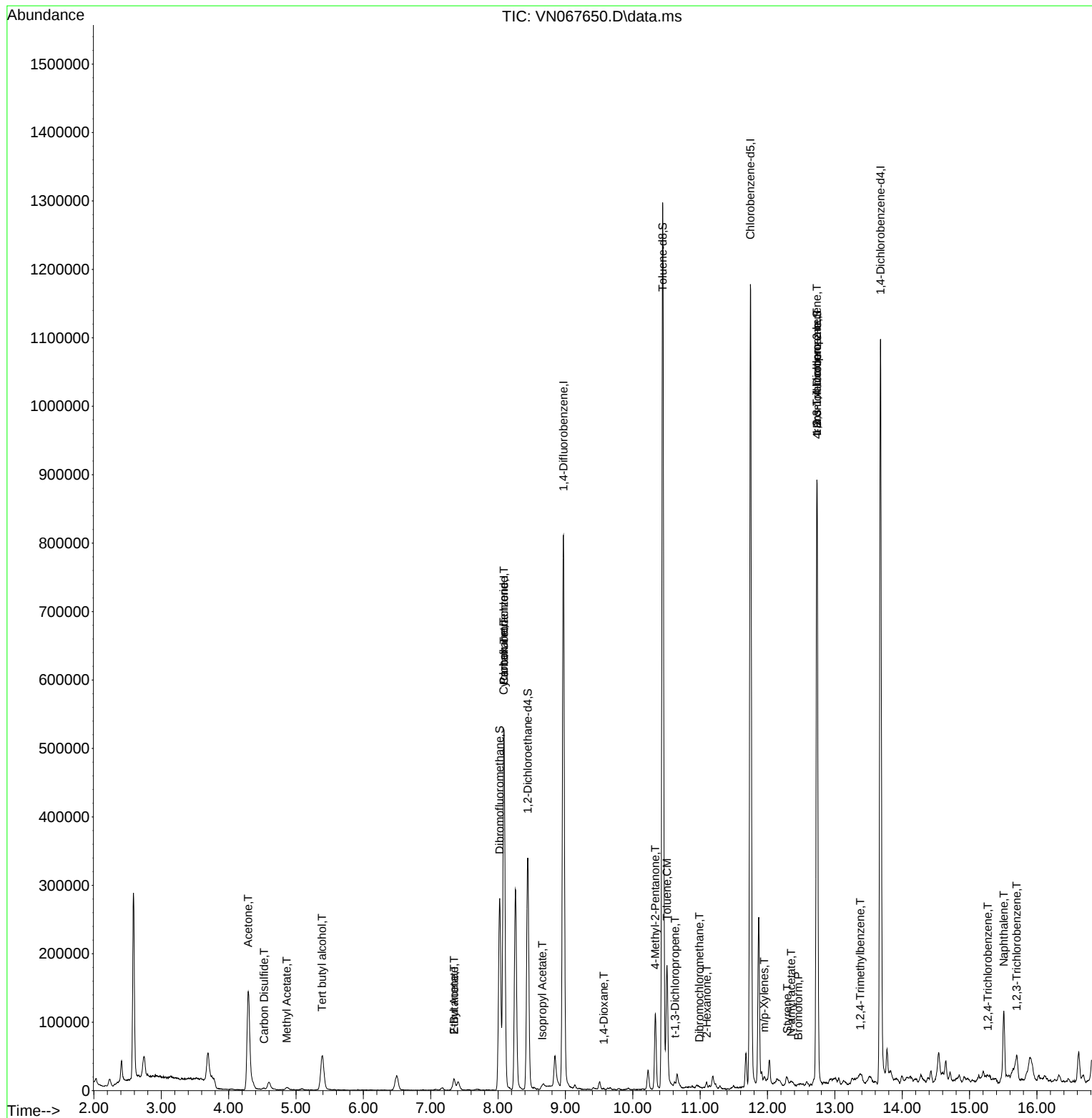
Internal Standards						
1) Pentafluorobenzene	8.086	168	373564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	711560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	680628	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	276525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	289578	51.292	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.580%			
35) Dibromofluoromethane	8.024	113	206941	48.136	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.280%			
50) Toluene-d8	10.443	98	912105	50.687	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.736	95	311688	49.032	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.060%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.848	94	211	Below Cal	#	4
6) Chloroethane	3.017	64	224	Below Cal	#	1
7) Trichlorofluoromethane	3.389	101	49	Below Cal	#	18
11) Tert butyl alcohol	5.388	59	88767	109.415	ug/l #	86
13) Acrolein	4.039	56	364	Below Cal	#	1
16) Acetone	4.291	43	275704	155.198	ug/l	97
17) Carbon Disulfide	4.527	76	3053	0.332	ug/l #	74
18) Methyl Acetate	4.865	43	4208	0.843	ug/l	98
20) Methylene Chloride	5.090	84	660	Below Cal	#	40
25) 2-Butanone	7.345	43	23616	8.006	ug/l	96
31) Cyclohexane	8.083	56	10663	1.347	ug/l #	31
37) Ethyl Acetate	7.345	43	23616	3.688	ug/l #	69
38) Carbon Tetrachloride	8.086	117	41121	6.307	ug/l #	17
43) Isopropyl Acetate	8.657	43	3702	0.329	ug/l #	58
49) 1,4-Dioxane	9.571	88	184	33.930	ug/l #	64
51) 4-Methyl-2-Pentanone	10.336	43	72104	10.418	ug/l	94
52) Toluene	10.507	92	75301	5.810	ug/l	98
53) t-1,3-Dichloropropene	10.625	75	3081	2.103	ug/l #	43
59) 2-Hexanone	11.097	43	2804	0.580	ug/l	89
60) Dibromochloromethane	10.988	129	24	2.361	ug/l #	11
68) m/p-Xylenes	11.953	106	3948	0.410	ug/l	73
70) Styrene	12.296	104	3192	0.211	ug/l	97
71) Bromoform	12.457	173	27	3.182	ug/l #	29
74) N-amyl acetate	12.353	43	1712	0.212	ug/l #	62
76) 1,2,3-Trichloropropane	12.733	75	173895	30.794	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	173895	99.281	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.377	105	5722	0.323	ug/l	79
93) 1,2,4-Trichlorobenzene	15.271	180	592	2.796	ug/l #	76
95) Naphthalene	15.507	128	91166	9.340	ug/l	97
96) 1,2,3-Trichlorobenzene	15.700	180	886	2.823	ug/l #	42

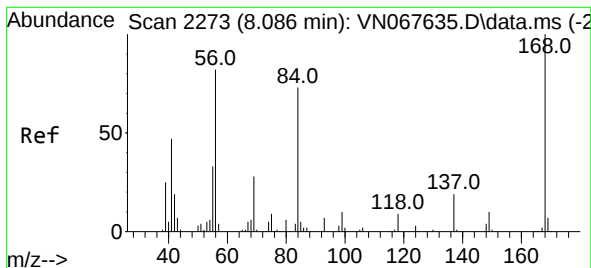
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration

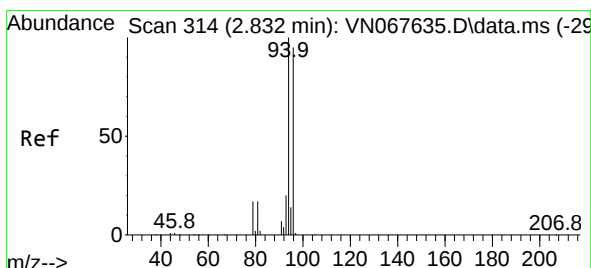
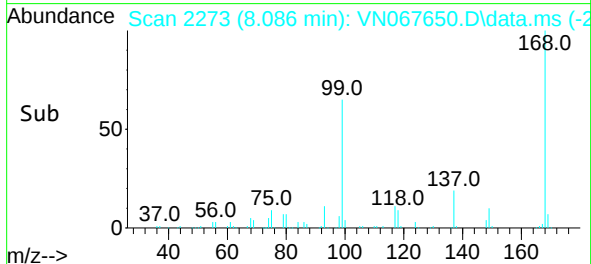
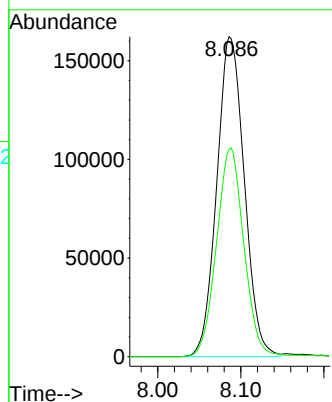
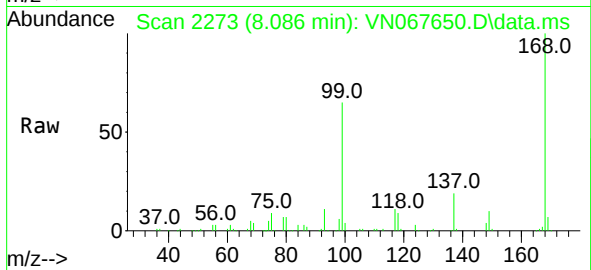




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

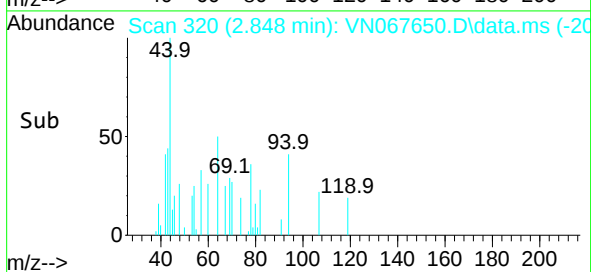
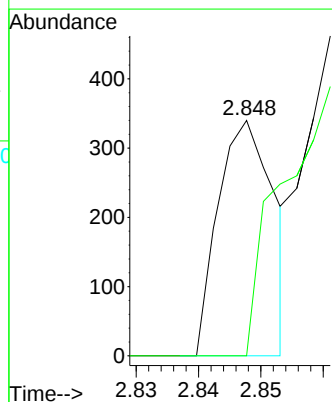
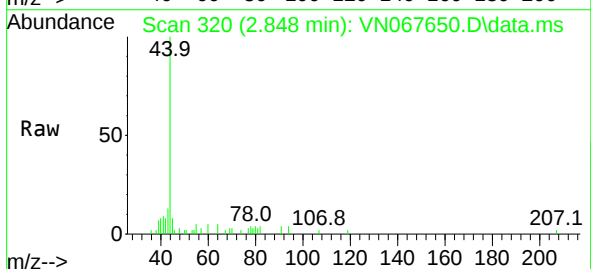
Instrument :
MSVOA_N
ClientSampleId :

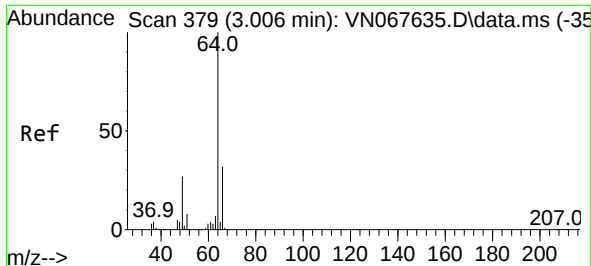
Tgt Ion:168 Resp: 373564
Ion Ratio Lower Upper
168 100
99 64.9 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.848 min Scan# 320
Delta R.T. 0.016 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 94 Resp: 211
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

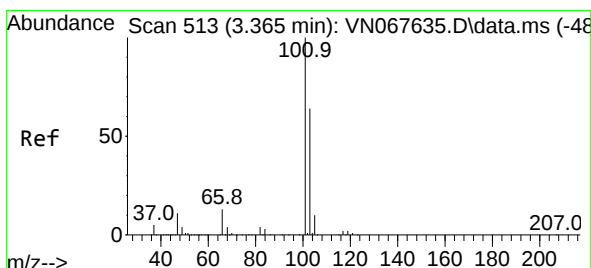
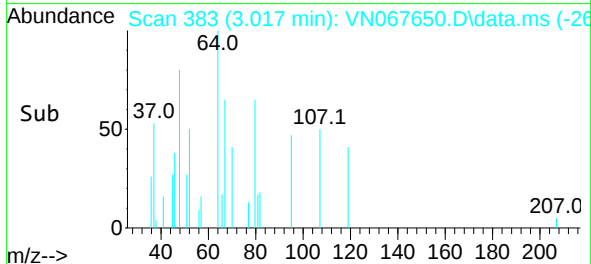
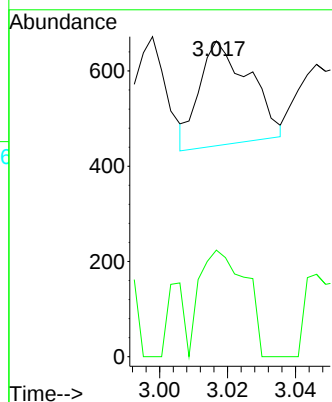
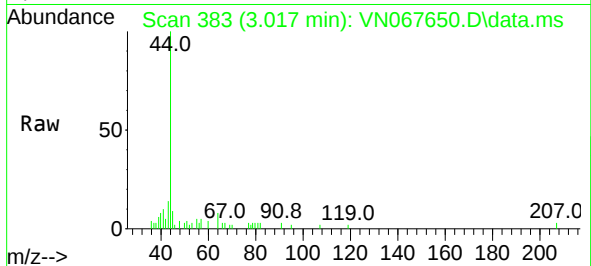




#6
Chloroethane
Concen: Below Cal
RT: 3.017 min Scan# 383
Delta R.T. 0.011 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

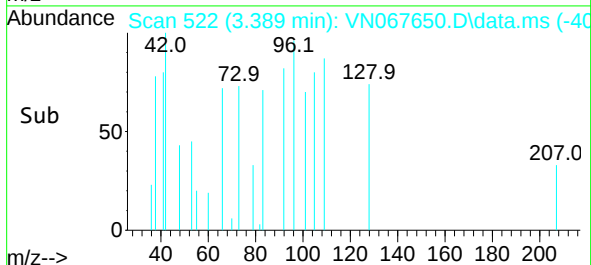
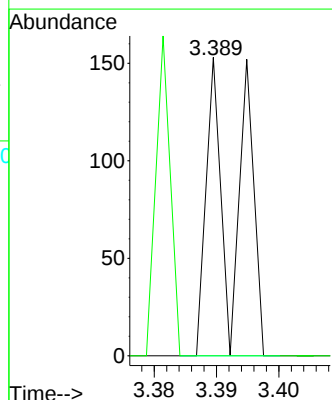
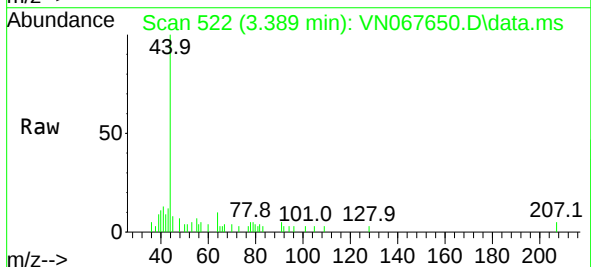
Instrument :
MSVOA_N
ClientSampleId :

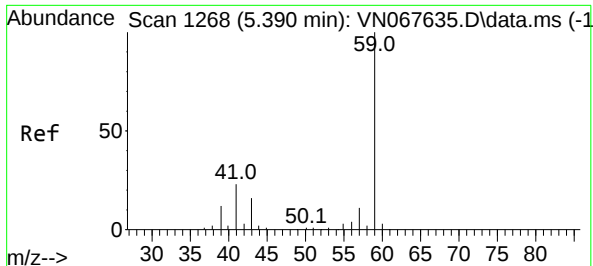
Tgt Ion: 64 Resp: 224
Ion Ratio Lower Upper
64 100
66 126.6 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.389 min Scan# 522
Delta R.T. 0.024 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 101 Resp: 49
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



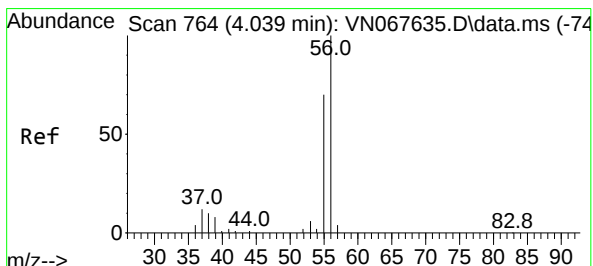
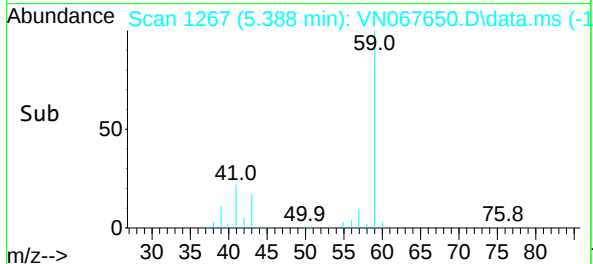
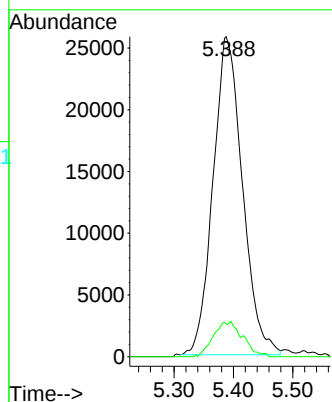
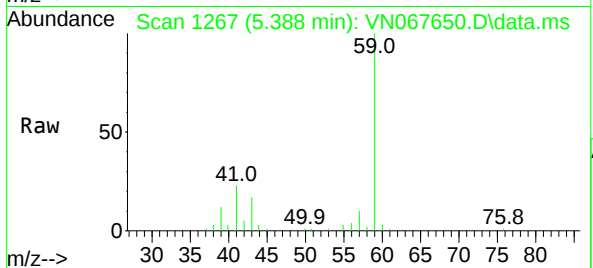


#11

Tert butyl alcohol
Concen: 109.415 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. -0.002 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Instrument :
MSVOA_N
ClientSampled :

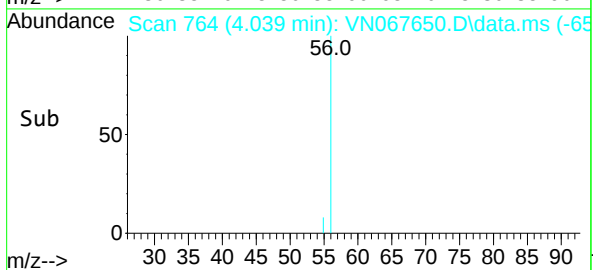
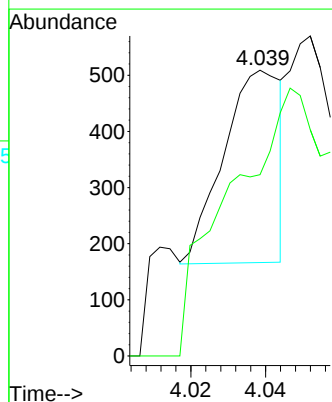
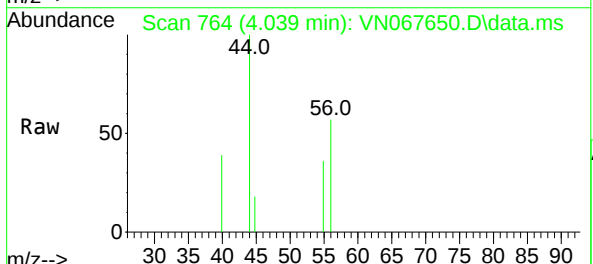
Tgt Ion: 59 Resp: 88767
Ion Ratio Lower Upper
59 100
57 5.5 8.7 13.1#

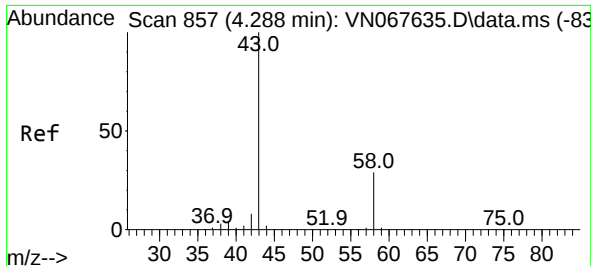


#13

Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

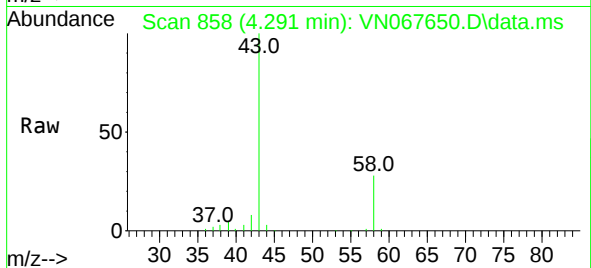
Tgt Ion: 56 Resp: 364
Ion Ratio Lower Upper
56 100
55 222.3 57.4 86.0#



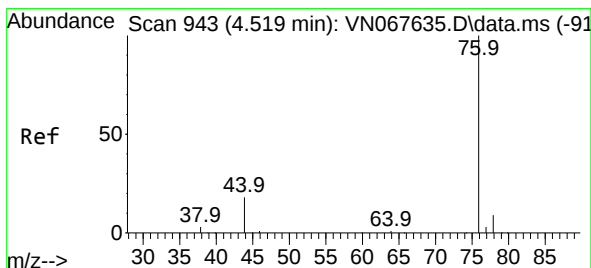
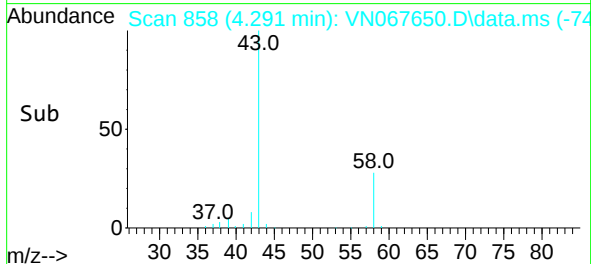
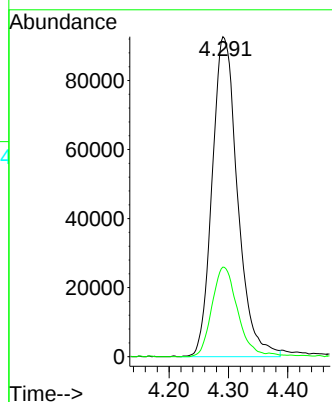


#16
Acetone
Concen: 155.198 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Instrument :
MSVOA_N
ClientSampled :

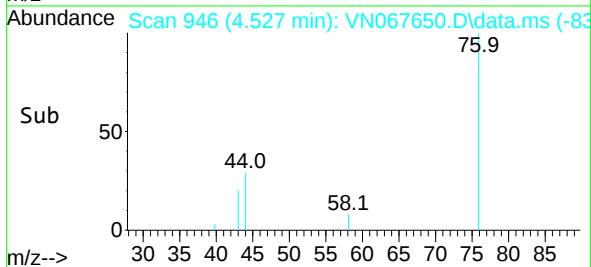
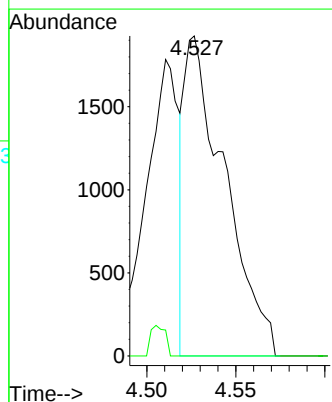
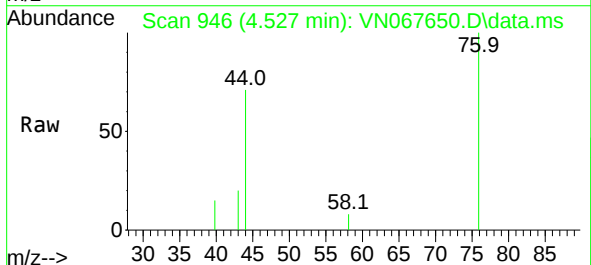


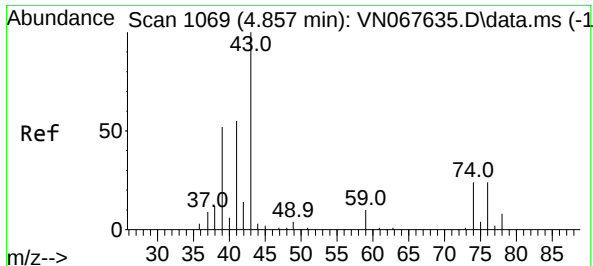
Tgt Ion: 43 Resp: 275704
Ion Ratio Lower Upper
43 100
58 28.0 21.2 31.8



#17
Carbon Disulfide
Concen: 0.332 ug/l
RT: 4.527 min Scan# 946
Delta R.T. 0.008 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 76 Resp: 3053
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#





#18

Methyl Acetate

Concen: 0.843 ug/l

RT: 4.865 min Scan# 1072

Delta R.T. 0.008 min

Lab File: VN067650.D

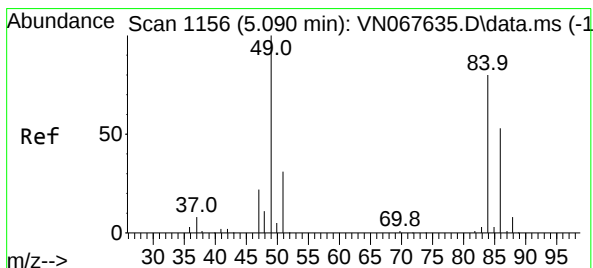
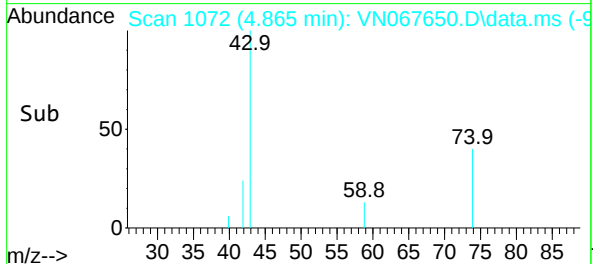
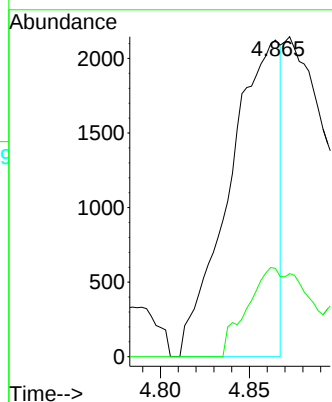
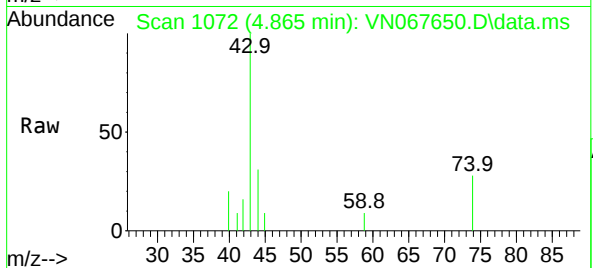
Acq: 7 Jul 2021 22:01

Tgt Ion: 43 Resp: 4208

Ion Ratio Lower Upper

43 100

74 20.6 17.4 26.0



#20

Methylene Chloride

Concen: Below Cal

RT: 5.090 min Scan# 1156

Delta R.T. -0.000 min

Lab File: VN067650.D

Acq: 7 Jul 2021 22:01

Tgt Ion: 84 Resp: 660

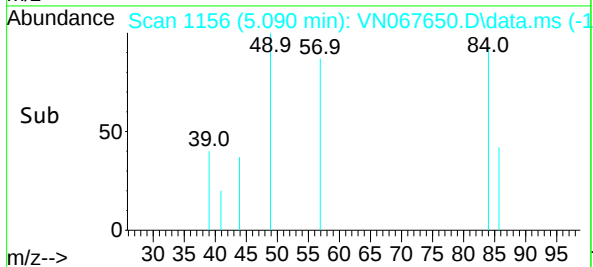
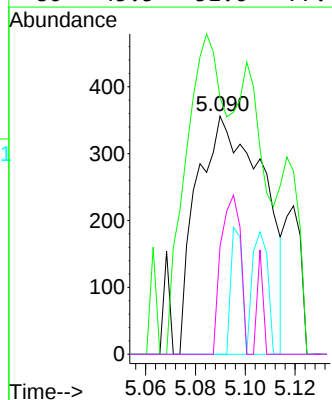
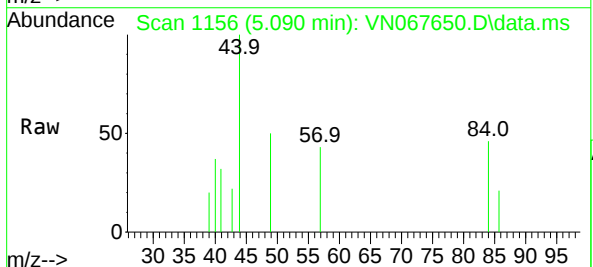
Ion Ratio Lower Upper

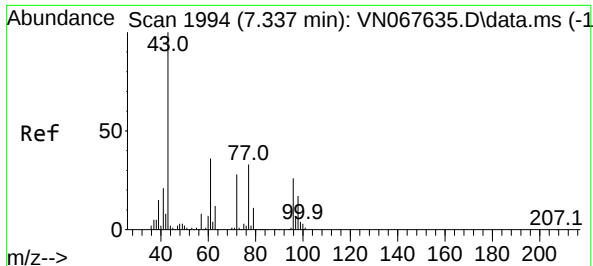
84 100

49 47.5 110.9 166.3#

51 0.0 32.6 49.0#

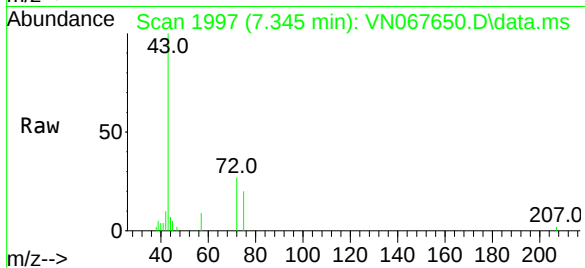
86 45.5 51.6 77.4#



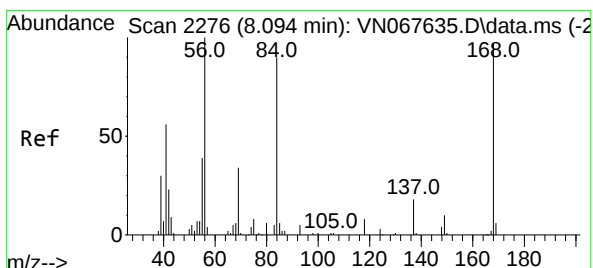
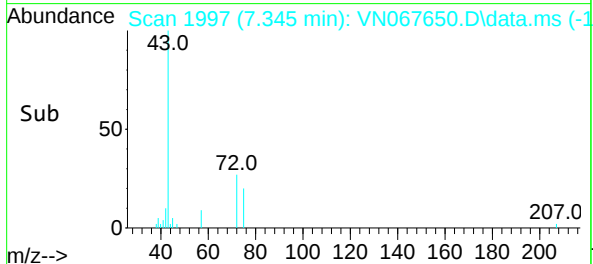
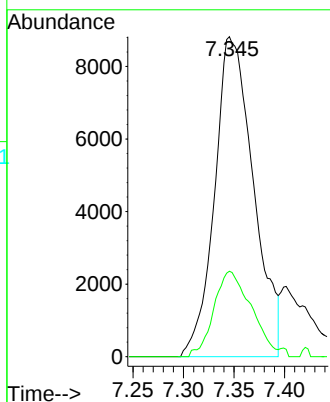


#25
2-Butanone
Concen: 8.006 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Instrument :
MSVOA_N
ClientSampled :

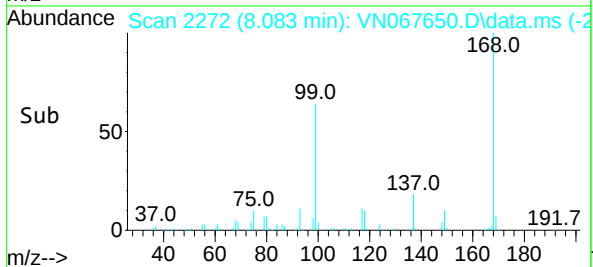
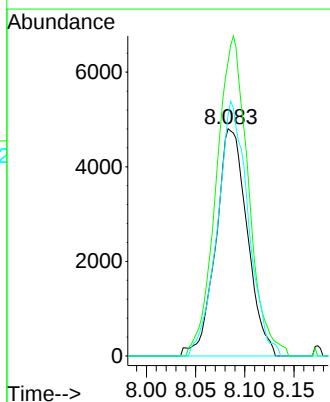
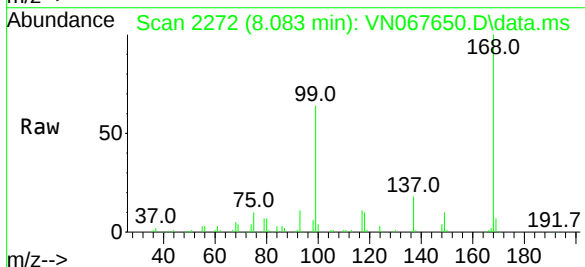


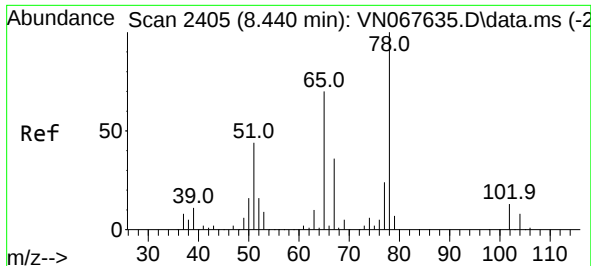
Tgt Ion: 43 Resp: 23616
Ion Ratio Lower Upper
43 100
72 26.7 19.7 29.5



#31
Cyclohexane
Concen: 1.347 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 56 Resp: 10663
Ion Ratio Lower Upper
56 100
69 129.5 27.3 40.9#
84 106.3 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 51.292 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN067650.D

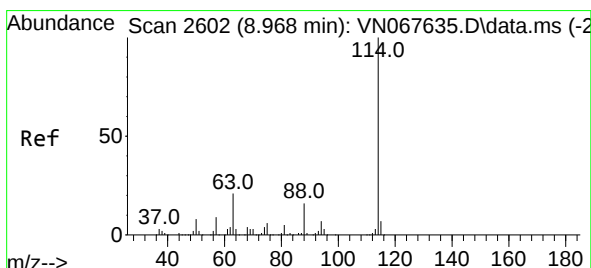
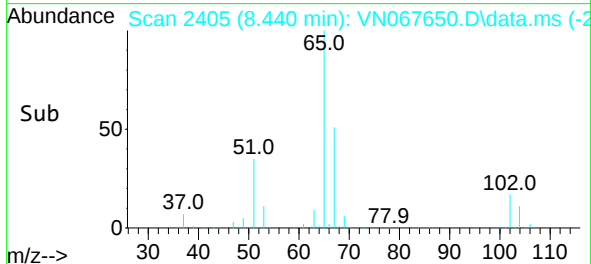
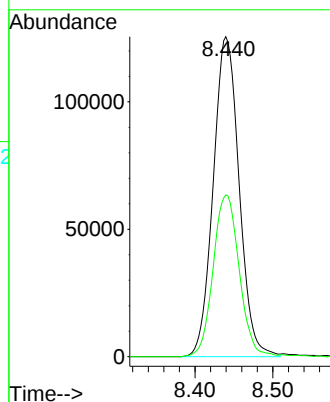
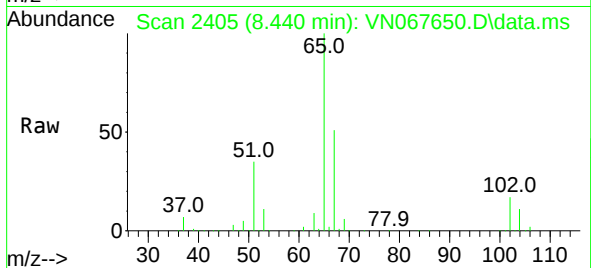
Acq: 7 Jul 2021 22:01

Tgt Ion: 65 Resp: 289578

Ion Ratio Lower Upper

65 100

67 50.8 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN067650.D

Acq: 7 Jul 2021 22:01

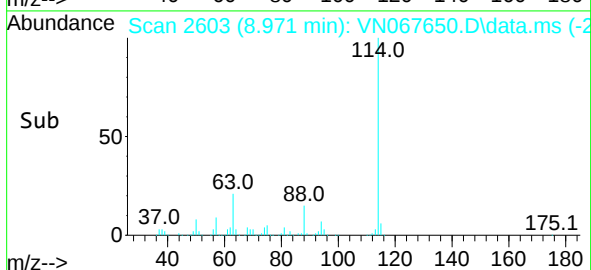
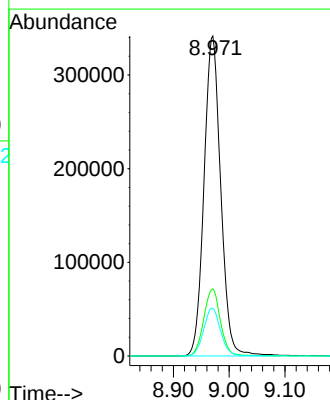
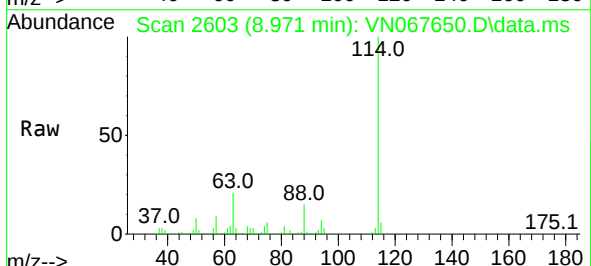
Tgt Ion: 114 Resp: 711560

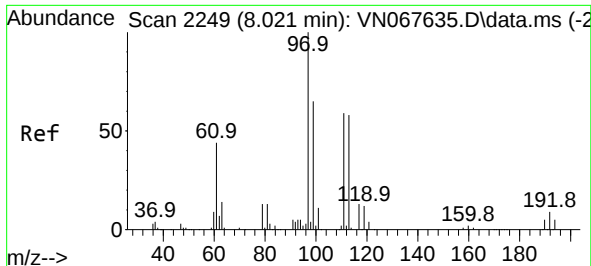
Ion Ratio Lower Upper

114 100

63 20.9 0.0 49.0

88 14.8 0.0 36.6

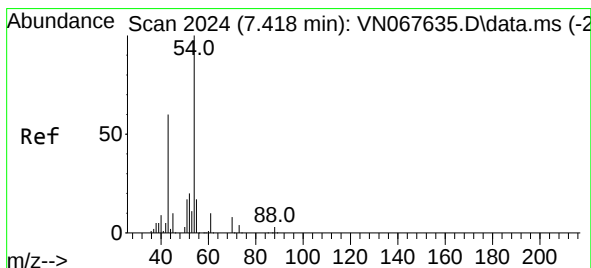
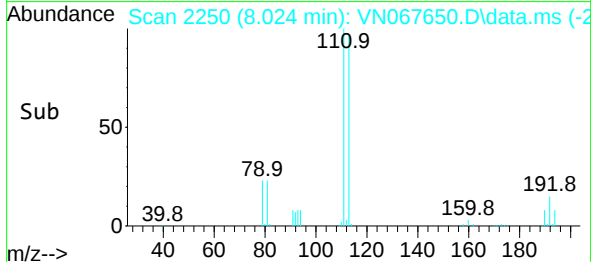
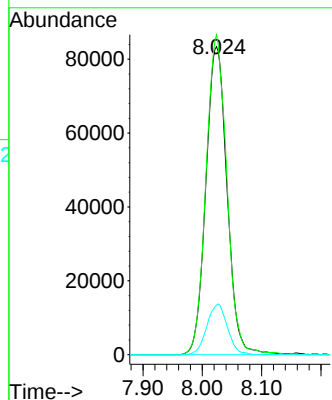
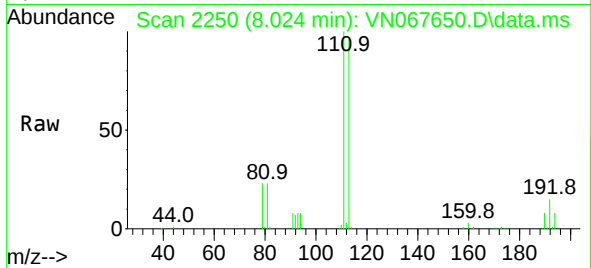




#35
Dibromofluoromethane
Concen: 48.136 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

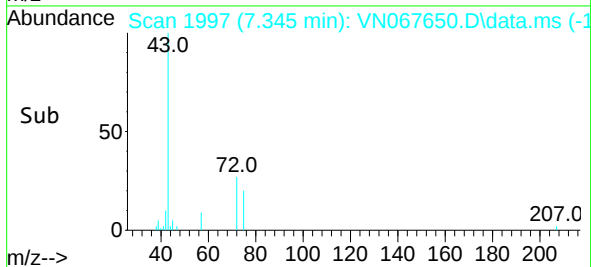
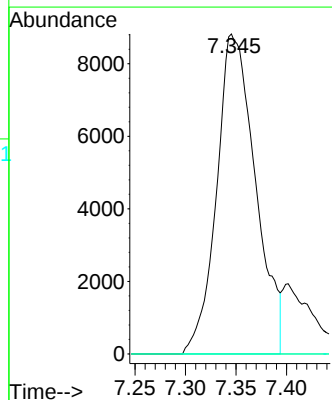
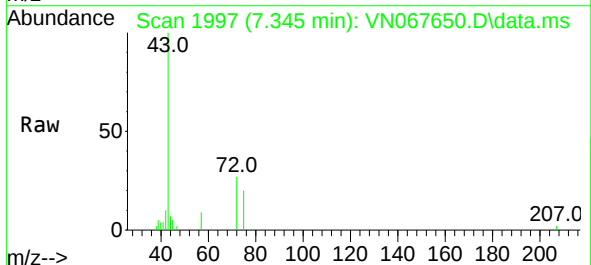
Instrument :
MSVOA_N
ClientSampleId :

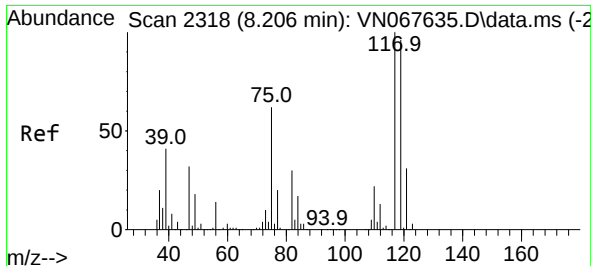
Tgt Ion:113 Resp: 206941
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.8
192 15.9 13.4 20.0



#37
Ethyl Acetate
Concen: 3.688 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. -0.073 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

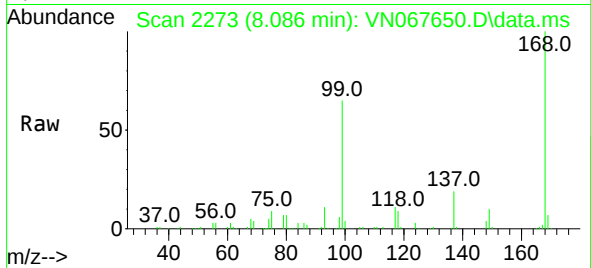
Tgt Ion: 43 Resp: 23616
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



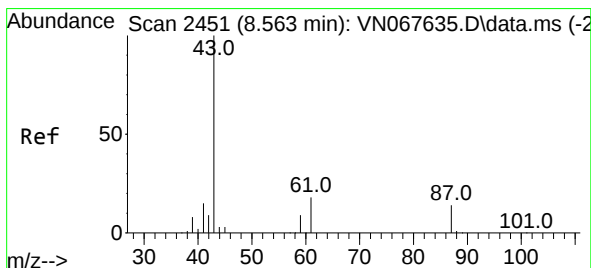
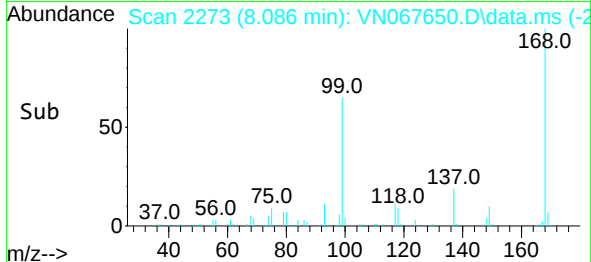
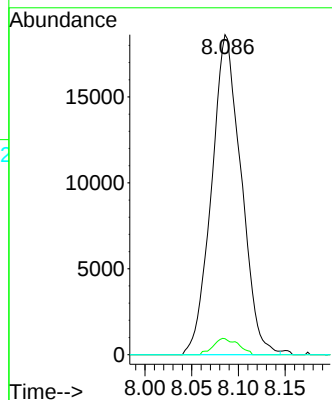


#38
Carbon Tetrachloride
Concen: 6.307 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Instrument :
MSVOA_N
ClientSampled :

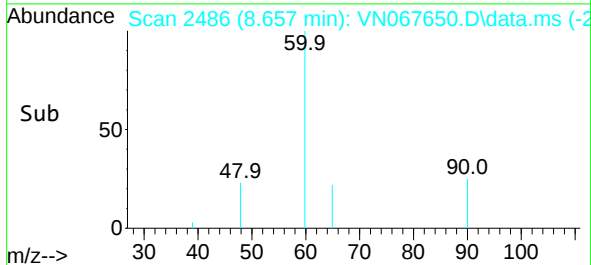
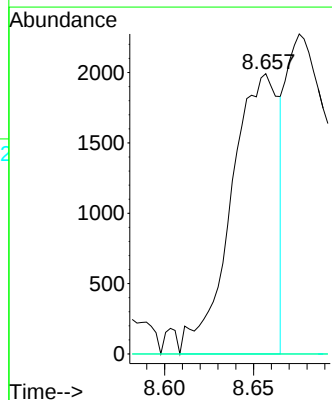
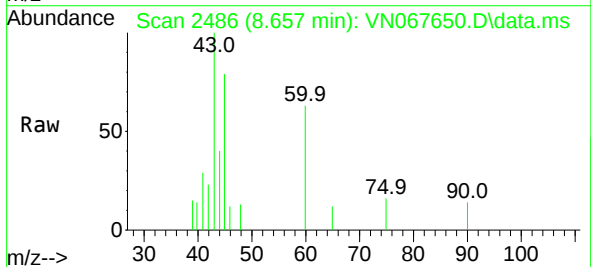


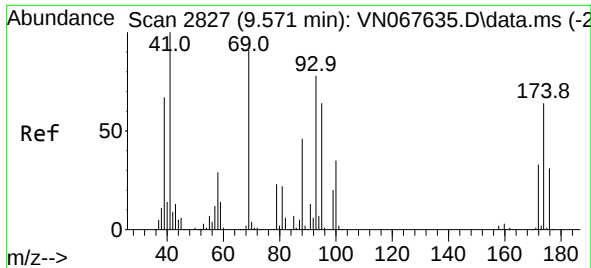
Tgt Ion:117 Resp: 41121
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.329 ug/l
RT: 8.657 min Scan# 2486
Delta R.T. 0.094 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 43 Resp: 3702
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

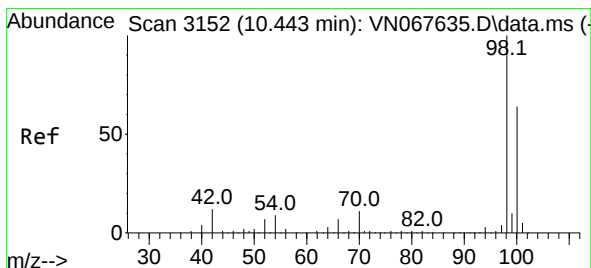
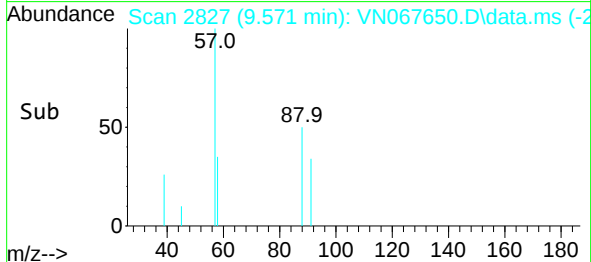
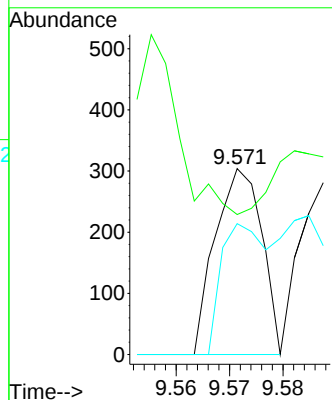
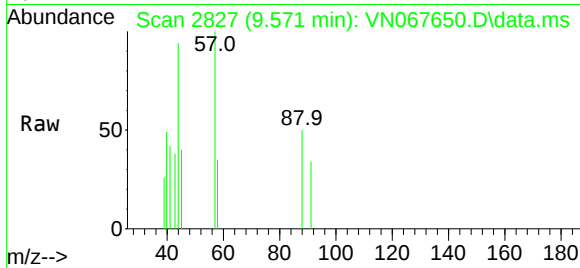




#49
1,4-Dioxane
Concen: 33.930 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.000 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

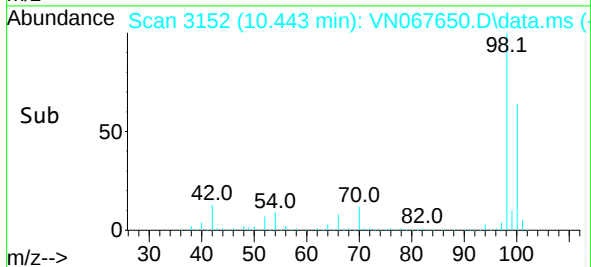
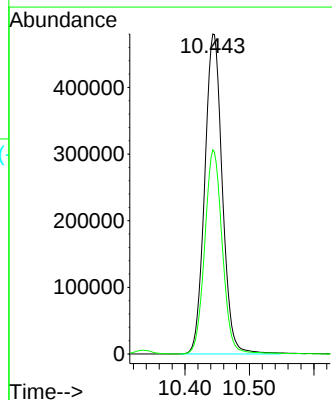
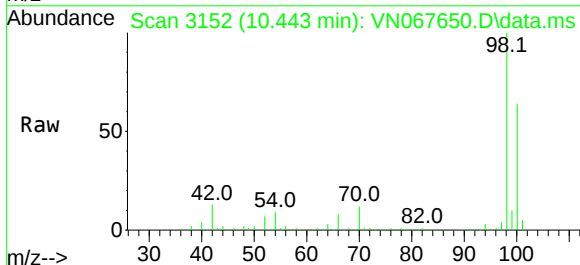
Instrument :
MSVOA_N
ClientSampled :

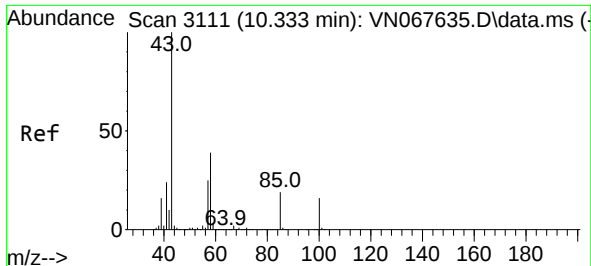
Tgt Ion: 88 Resp: 184
Ion Ratio Lower Upper
88 100
43 87.5 28.8 43.2#
58 66.3 60.4 90.6



#50
Toluene-d8
Concen: 50.687 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 98 Resp: 912105
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

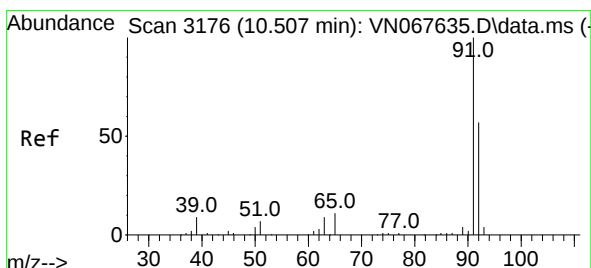
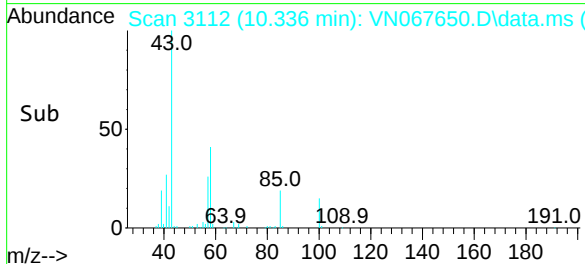
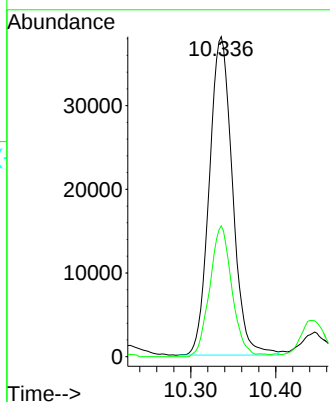
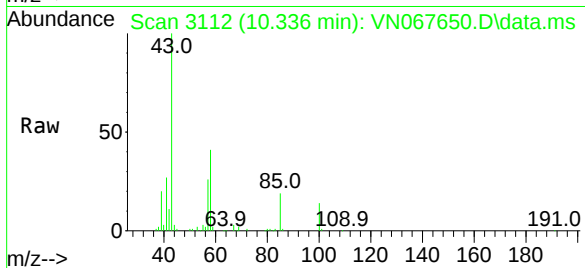




#51
4-Methyl-2-Pentanone
Concen: 10.418 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

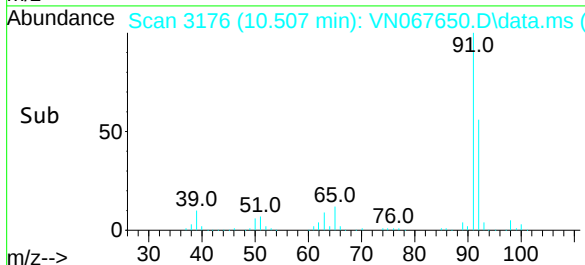
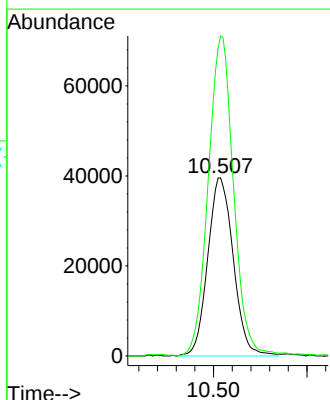
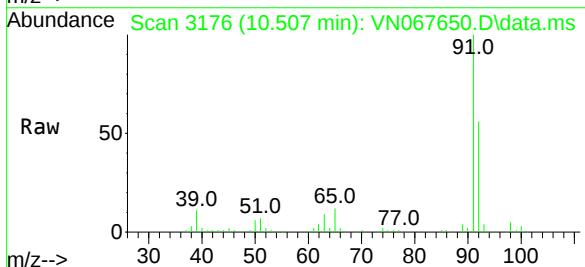
Instrument :
MSVOA_N
ClientSampled :

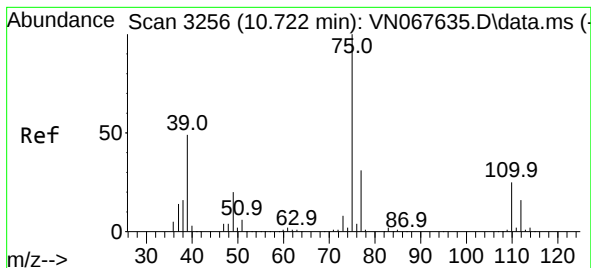
Tgt Ion: 43 Resp: 72104
Ion Ratio Lower Upper
43 100
58 39.0 28.6 43.0



#52
Toluene
Concen: 5.810 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 92 Resp: 75301
Ion Ratio Lower Upper
92 100
91 177.4 139.6 209.4

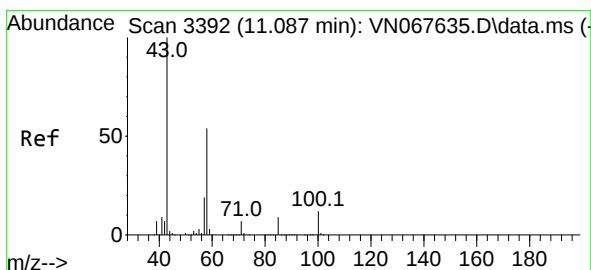
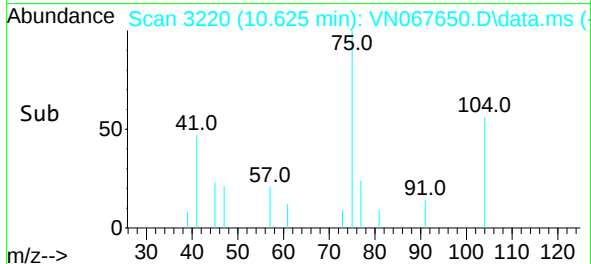
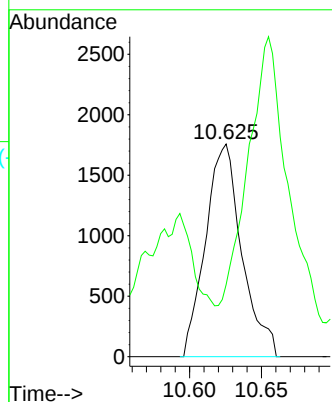
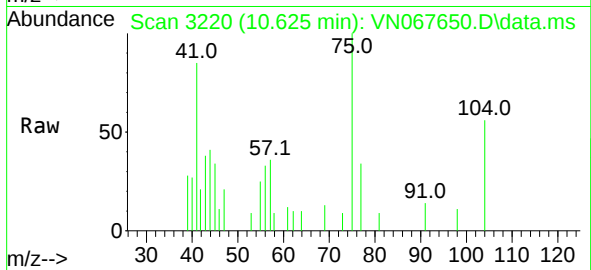




#53
t-1,3-Dichloropropene
Concen: 2.103 ug/l
RT: 10.625 min Scan# 3220
Delta R.T. -0.097 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

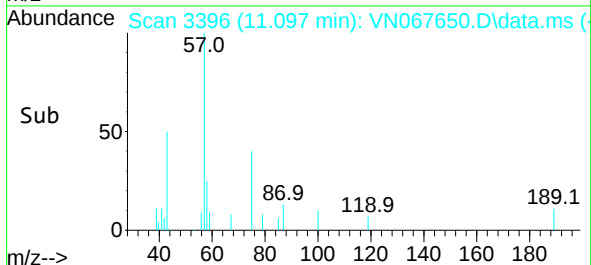
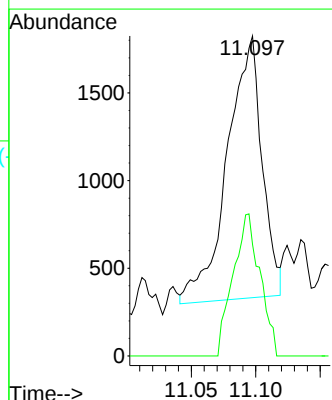
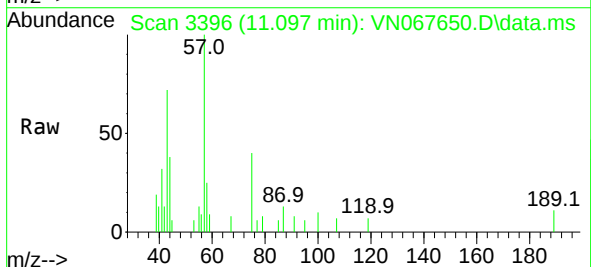
Instrument :
MSVOA_N
ClientSampled :

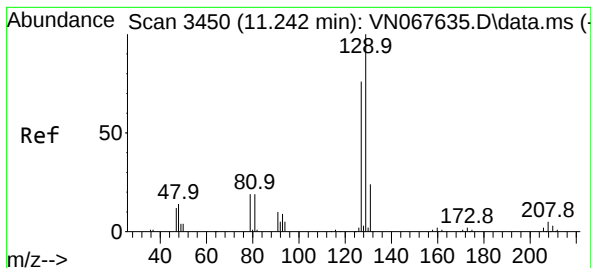
Tgt Ion: 75 Resp: 3081
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#



#59
2-Hexanone
Concen: 0.580 ug/l
RT: 11.097 min Scan# 3396
Delta R.T. 0.010 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 43 Resp: 2804
Ion Ratio Lower Upper
43 100
58 41.8 24.7 74.1

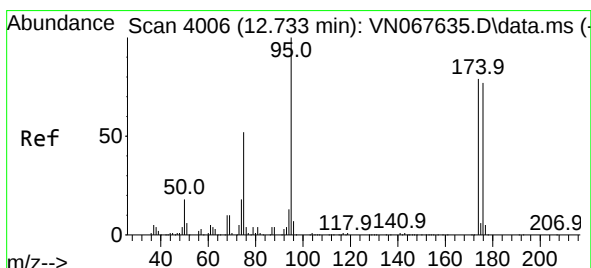
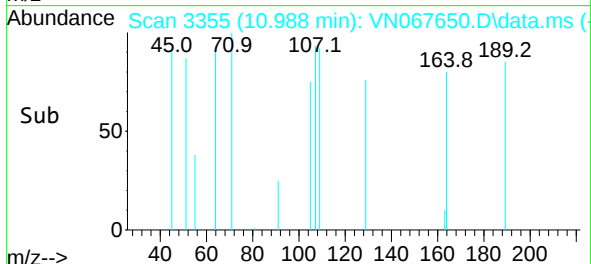
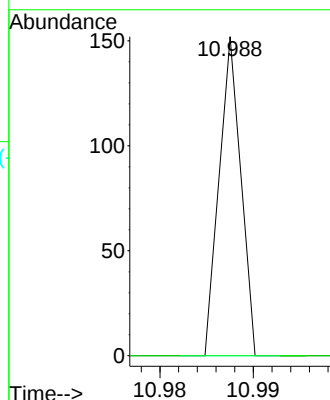
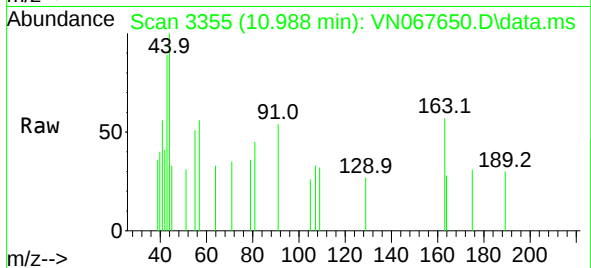




#60
Dibromochloromethane
Concen: 2.361 ug/l
RT: 10.988 min Scan# 3355
Delta R.T. -0.255 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

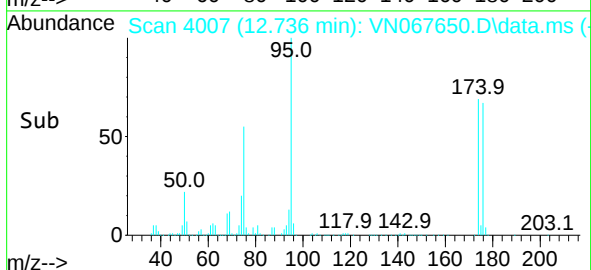
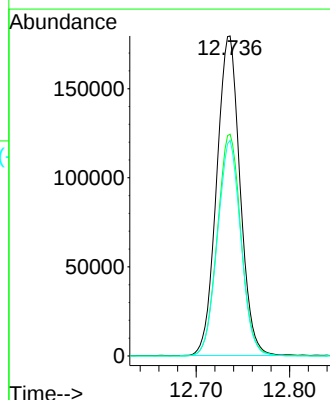
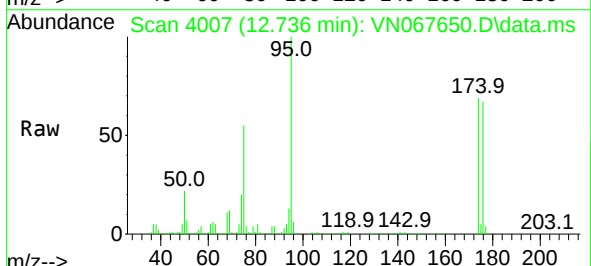
Instrument :
MSVOA_N
ClientSampleId :

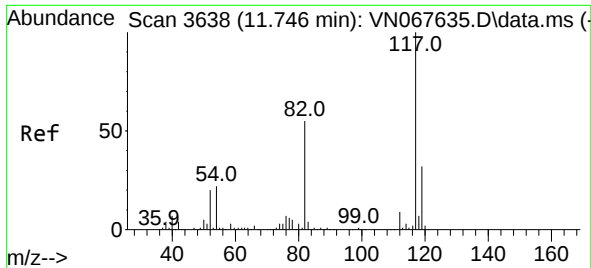
Tgt Ion:129 Resp: 24
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 49.032 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 95 Resp: 311688
Ion Ratio Lower Upper
95 100
174 70.5 0.0 122.0
176 67.5 0.0 117.6

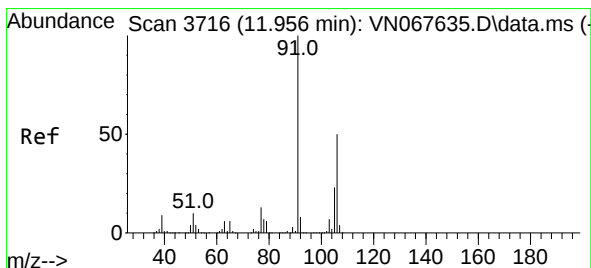
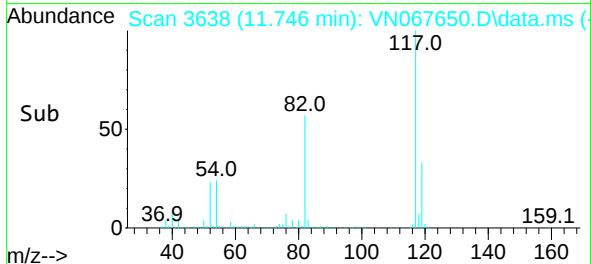
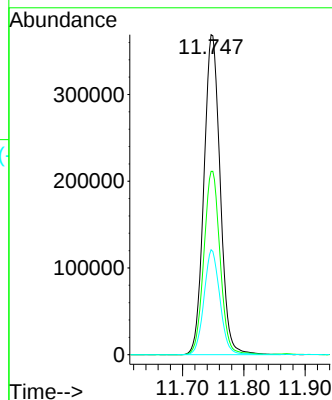
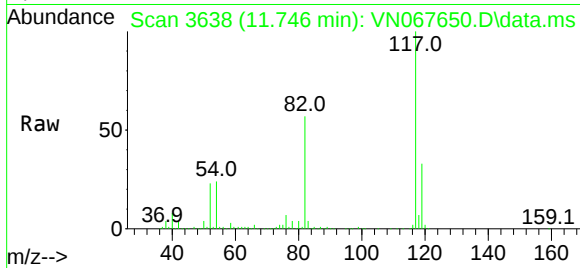




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

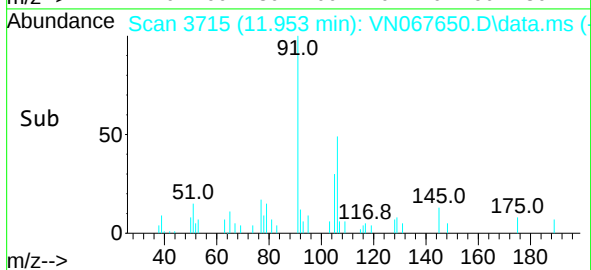
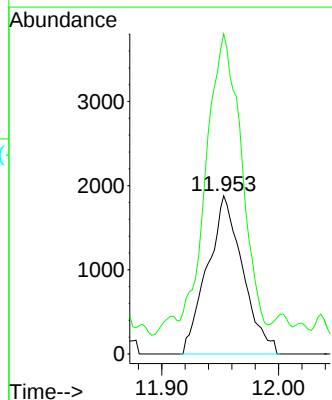
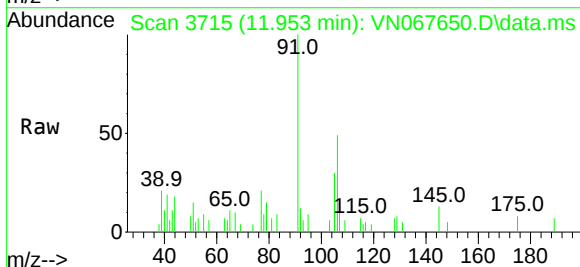
Instrument :
MSVOA_N
ClientSampleId :

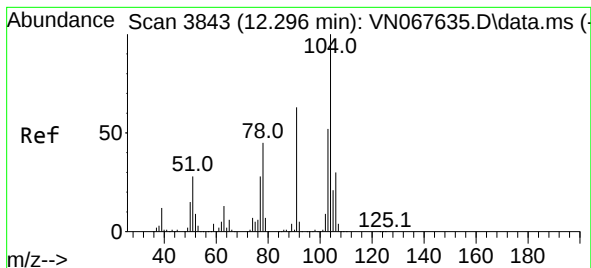
Tgt Ion:117 Resp: 680628
Ion Ratio Lower Upper
117 100
82 57.3 53.1 79.7
119 32.7 25.5 38.3



#68
m/p-Xylenes
Concen: 0.410 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion:106 Resp: 3948
Ion Ratio Lower Upper
106 100
91 181.8 180.6 270.8





#70

Styrene

Concen: 0.211 ug/l

RT: 12.296 min Scan# 3843

Delta R.T. 0.000 min

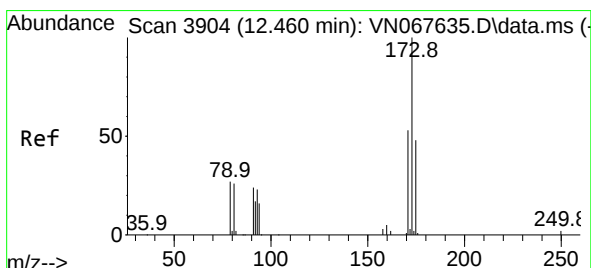
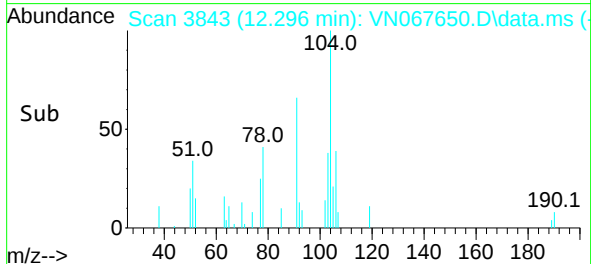
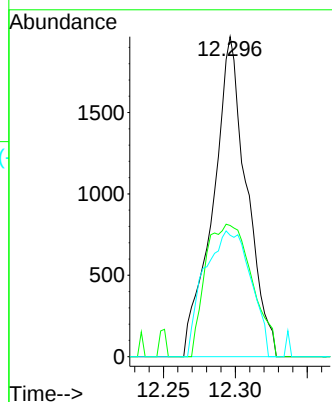
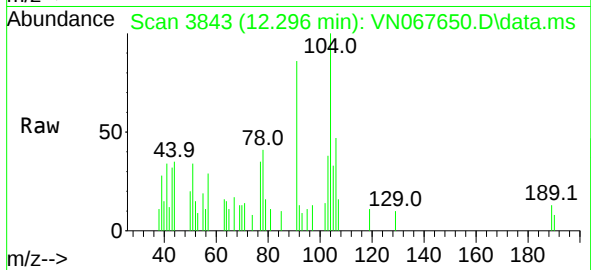
Lab File: VN067650.D

Acq: 7 Jul 2021 22:01

Tgt Ion:104 Resp: 3192

Ion	Ratio	Lower	Upper
104	100		
78	57.3	48.2	72.2
103	54.1	44.5	66.7

Instrument :
MSVOA_N
ClientSampled :



#71

Bromoform

Concen: 3.182 ug/l

RT: 12.457 min Scan# 3903

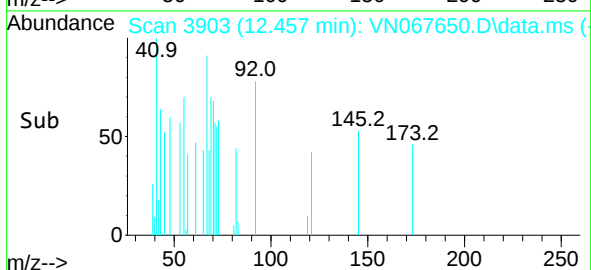
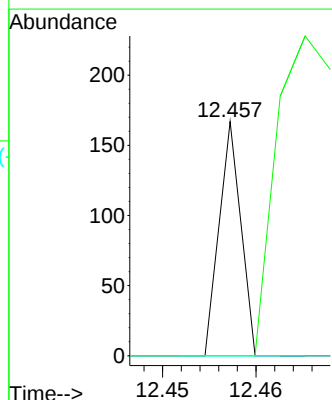
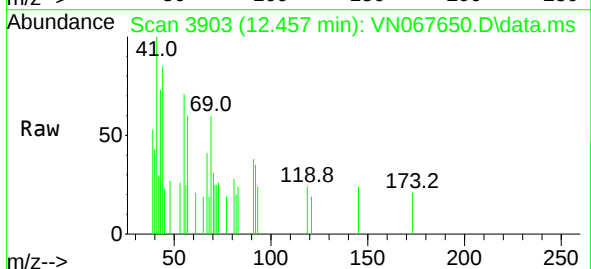
Delta R.T. -0.003 min

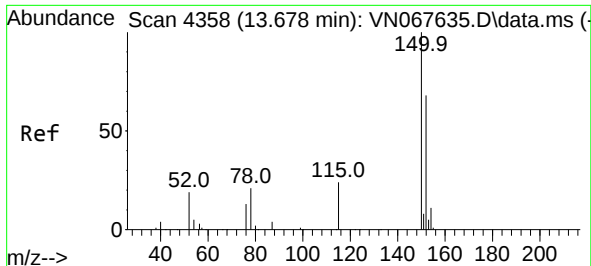
Lab File: VN067650.D

Acq: 7 Jul 2021 22:01

Tgt Ion:173 Resp: 27

Ion	Ratio	Lower	Upper
173	100		
175	0.0	23.9	71.8#
254	0.0	0.0	0.0

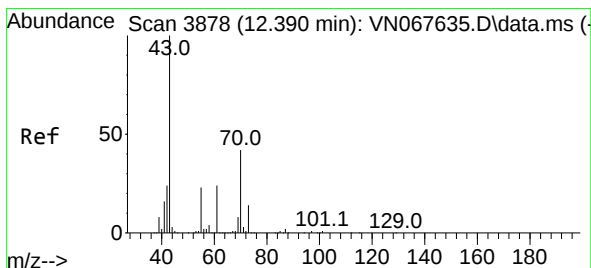
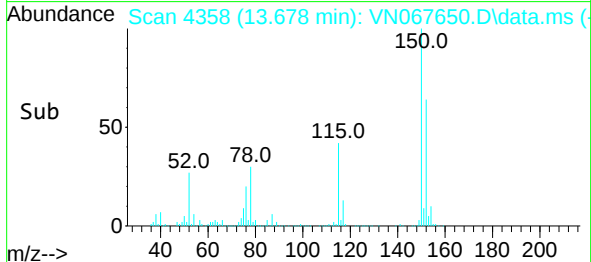
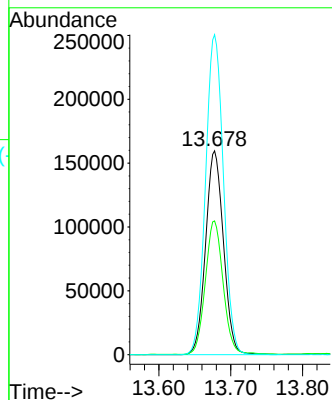
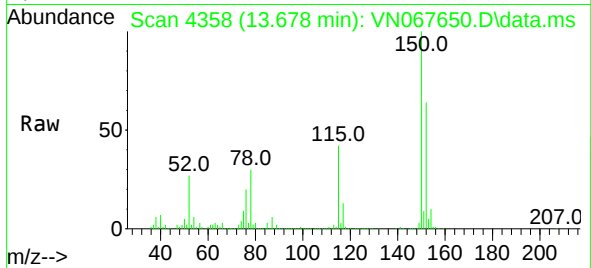




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

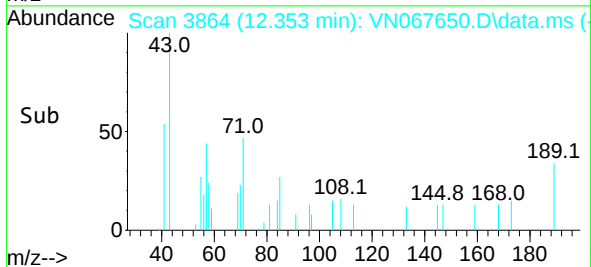
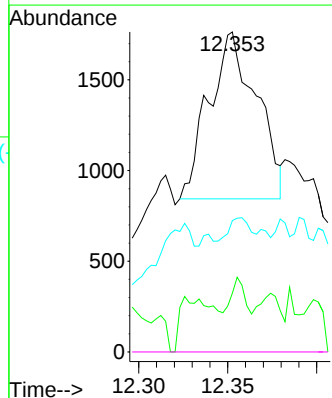
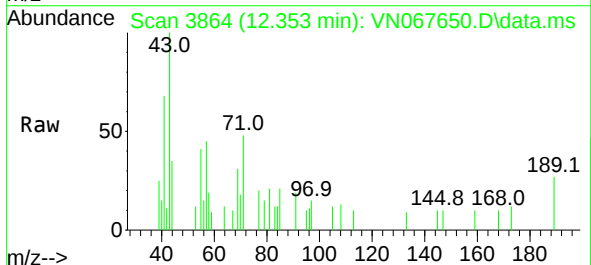
Instrument :
MSVOA_N
ClientSampled :

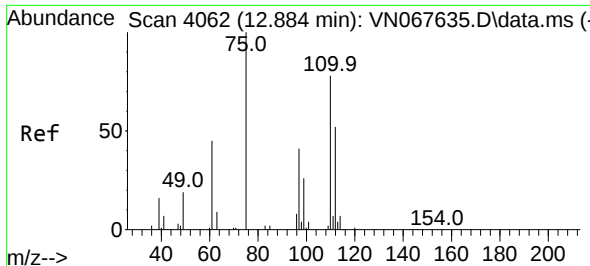
Tgt Ion:152 Resp: 276525
Ion Ratio Lower Upper
152 100
115 64.8 36.1 108.5
150 156.8 0.0 351.8



#74
N-ethyl acetate
Concen: 0.212 ug/l
RT: 12.353 min Scan# 3864
Delta R.T. -0.037 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 43 Resp: 1712
Ion Ratio Lower Upper
43 100
70 17.1 29.4 44.2#
55 4.2 17.0 25.4#
61 0.0 17.6 26.4#

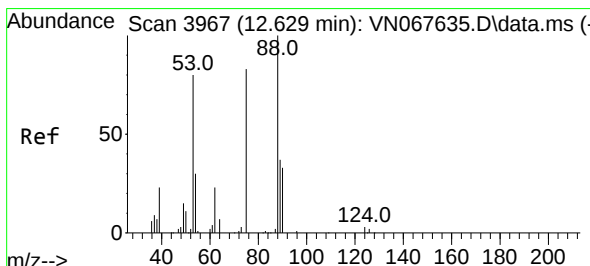
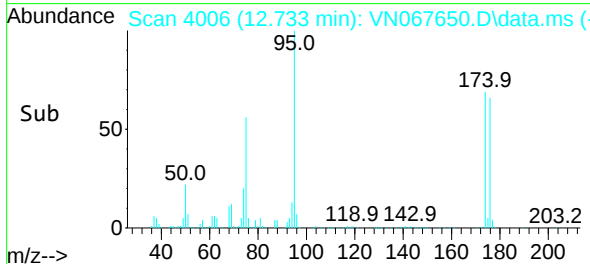
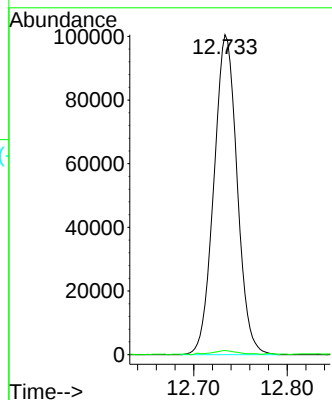
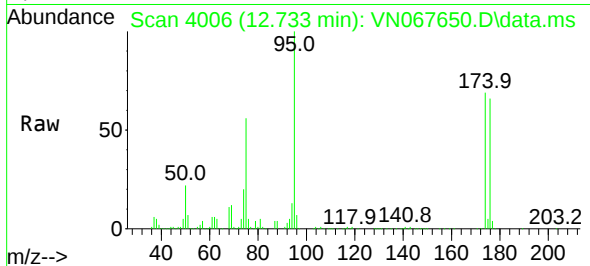




#76
1,2,3-Trichloropropane
Concen: 30.794 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

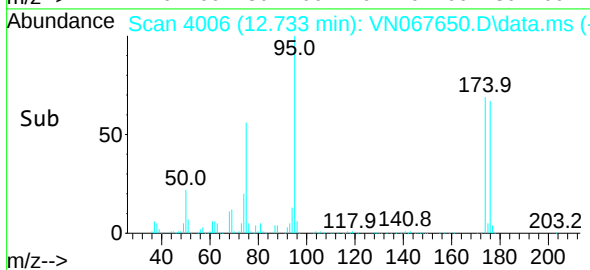
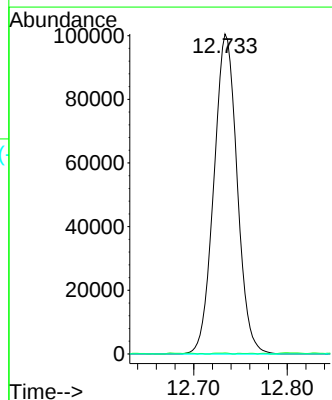
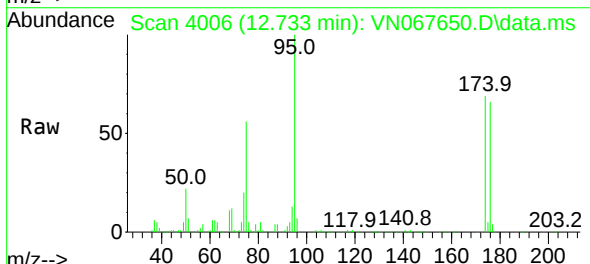
Instrument :
MSVOA_N
ClientSampleId :

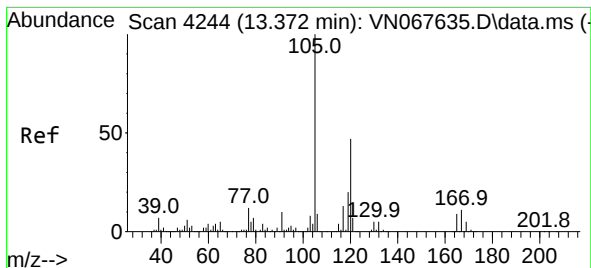
Tgt Ion: 75 Resp: 173895
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.281 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion: 75 Resp: 173895
Ion Ratio Lower Upper
75 100
53 0.2 87.6 131.4#
89 0.0 37.8 56.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.323 ug/l

RT: 13.377 min Scan# 4246

Delta R.T. 0.005 min

Lab File: VN067650.D

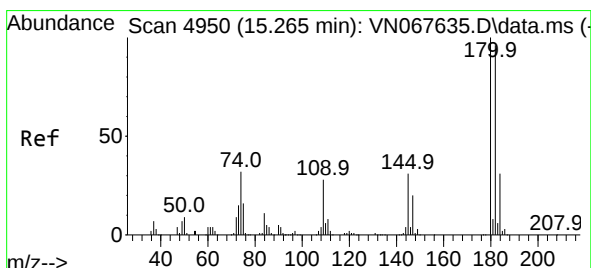
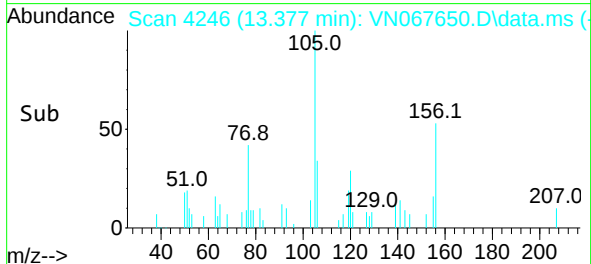
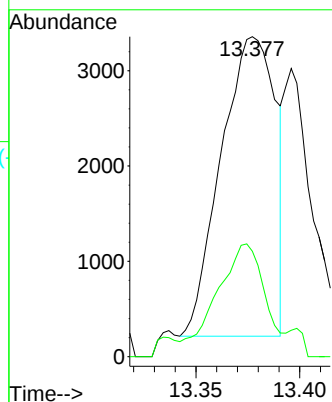
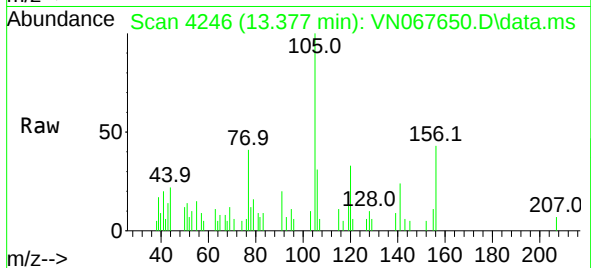
Acq: 7 Jul 2021 22:01

Tgt Ion:105 Resp: 5722

Ion Ratio Lower Upper

105 100

120 27.8 20.6 61.8



#93

1,2,4-Trichlorobenzene

Concen: 2.796 ug/l

RT: 15.271 min Scan# 4952

Delta R.T. 0.006 min

Lab File: VN067650.D

Acq: 7 Jul 2021 22:01

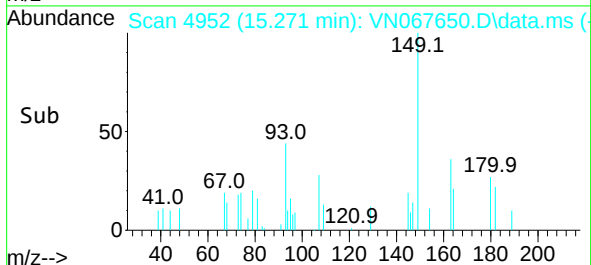
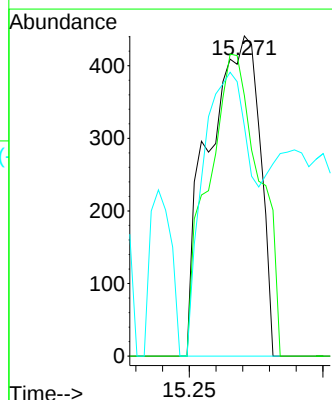
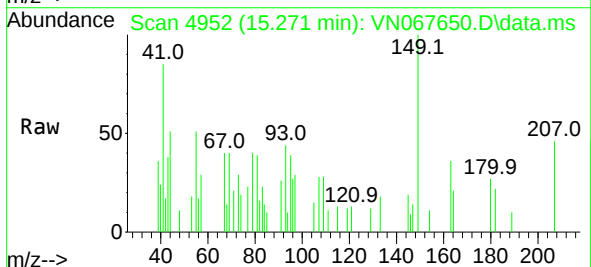
Tgt Ion:180 Resp: 592

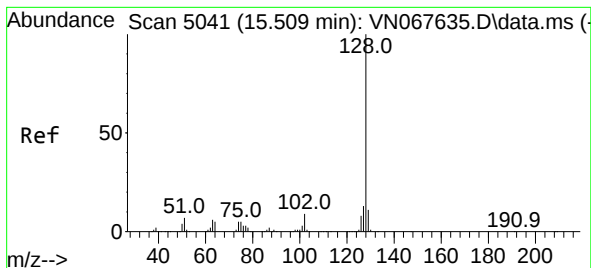
Ion Ratio Lower Upper

180 100

182 93.1 47.5 142.5

145 82.4 17.2 51.6#

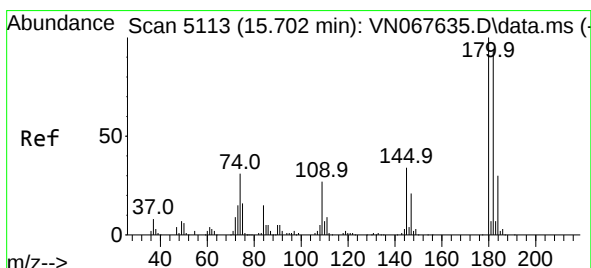
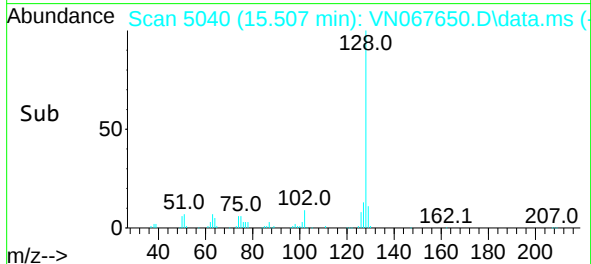
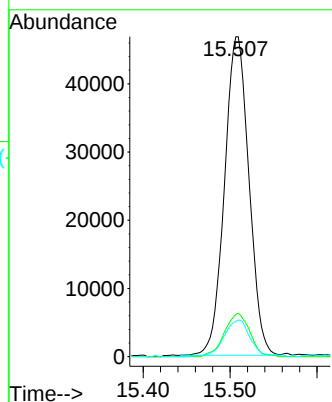
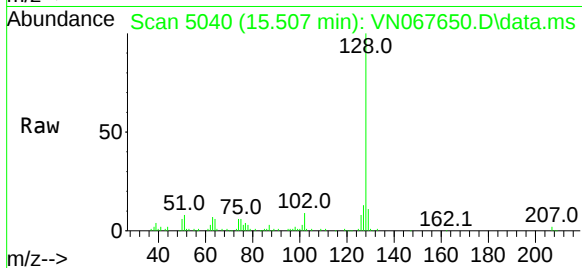




#95
Naphthalene
Concen: 9.340 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 91166
Ion Ratio Lower Upper
128 100
127 14.2 10.6 15.8
129 12.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.823 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN067650.D
Acq: 7 Jul 2021 22:01

Tgt Ion:180 Resp: 886
Ion Ratio Lower Upper
180 100
182 88.6 47.8 143.3
145 149.8 18.2 54.6#

