

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051821\
 Data File : VN067138.D
 Acq On : 18 May 2021 19:39
 Operator : JC/MD
 Sample : M2366-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 02:52:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 18 04:00:15 2021
 Response via : Initial Calibration

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

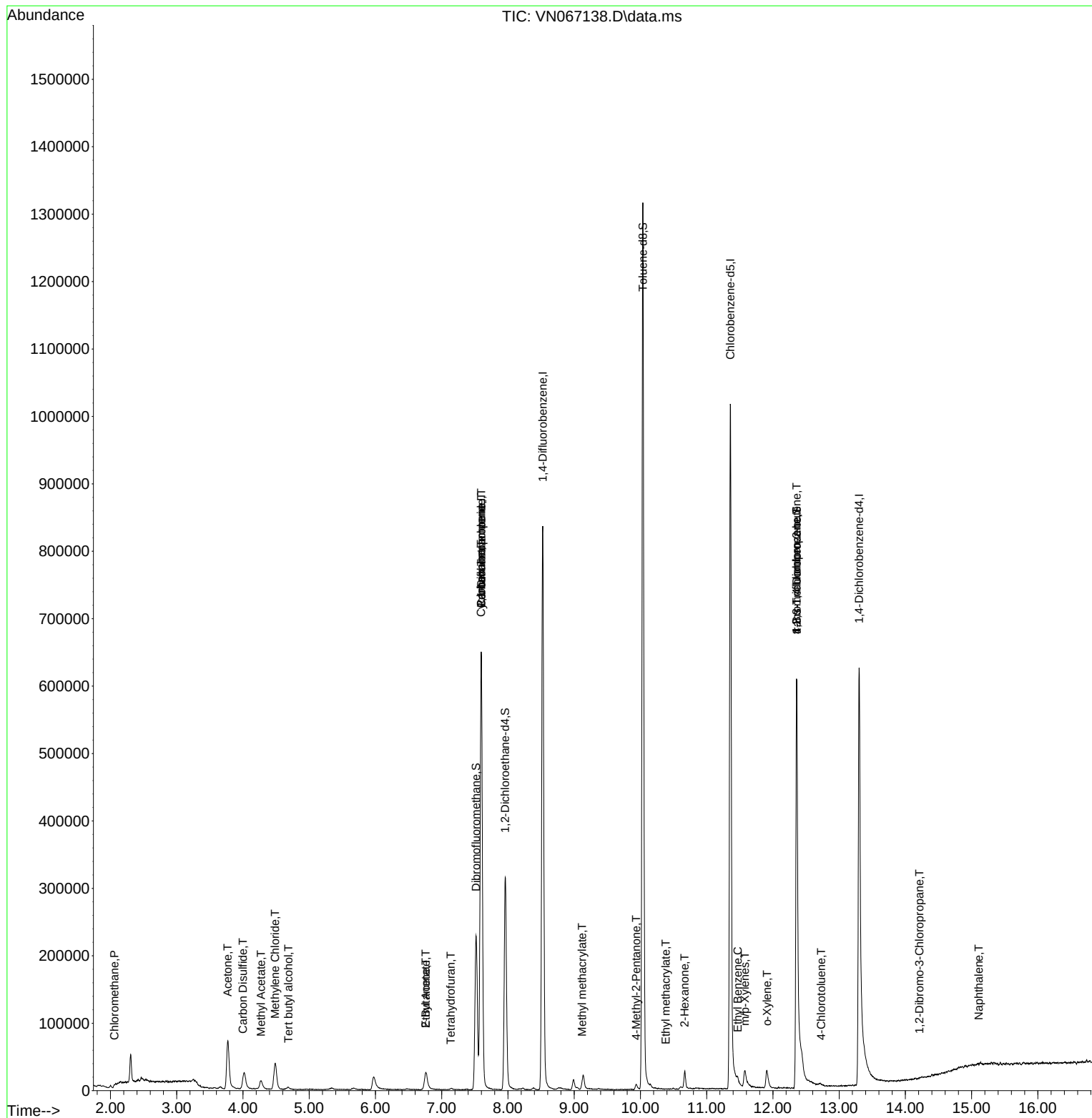
Internal Standards						
1) Pentafluorobenzene	7.597	168	617667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	851216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	725203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	299993	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	277996	41.66	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.32%		
35) Dibromofluoromethane	7.519	113	185999	33.28	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	66.56%#		
50) Toluene-d8	10.038	98	993581	46.90	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.80%		
62) 4-Bromofluorobenzene	12.358	95	302109	42.57	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	85.14%		
Target Compounds					Qvalue	
3) Chloromethane	2.059	50	1501	0.22	ug/l	92
11) Tert butyl alcohol	4.684	59	609	0.55	ug/l #	70
13) Acrolein	3.563	56	1656	Below Cal	#	39
16) Acetone	3.770	43	125242	60.39	ug/l	99
17) Carbon Disulfide	3.998	76	11218	0.72	ug/l	95
18) Methyl Acetate	4.274	43	23875	3.87	ug/l	98
20) Methylene Chloride	4.486	84	32353	4.84	ug/l	99
25) 2-Butanone	6.760	43	38681	11.96	ug/l	96
29) Tetrahydrofuran	7.136	42	685	0.34	ug/l #	34
31) Cyclohexane	7.594	56	8636	0.94	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	35463	4.57	ug/l #	48
37) Ethyl Acetate	6.760	43	38681	5.64	ug/l #	65
38) Carbon Tetrachloride	7.597	117	50085	6.06	ug/l #	15
48) Methyl methacrylate	9.120	41	7583	3.28	ug/l #	13
51) 4-Methyl-2-Pentanone	9.936	43	5864	6.24	ug/l	96
56) Ethyl methacrylate	10.384	69	50	1.95	ug/l #	1
59) 2-Hexanone	10.668	43	21569	26.37	ug/l #	21
67) Ethyl Benzene	11.470	91	7411	0.27	ug/l	96
68) m/p-Xylenes	11.577	106	11957	1.14	ug/l	99
69) o-Xylene	11.910	106	11392	1.08	ug/l	94
76) 1,2,3-Trichloropropane	12.358	75	136981	21.64	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.358	75	136981	65.10	ug/l #	15
82) 4-Chlorotoluene	12.728	91	85	1.19	ug/l #	39
92) 1,2-Dibromo-3-Chloropr...	14.213	75	267	0.24	ug/l #	1
95) Naphthalene	15.107	128	341	3.28	ug/l #	69

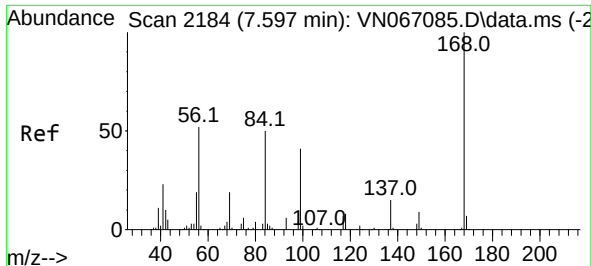
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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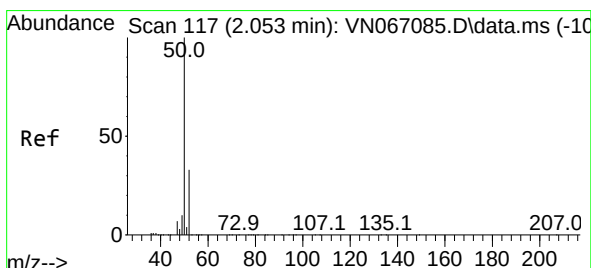
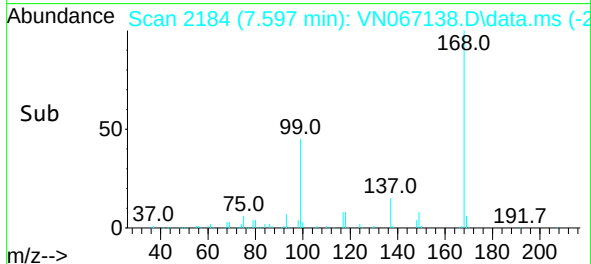
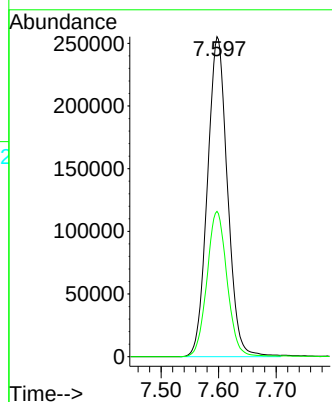
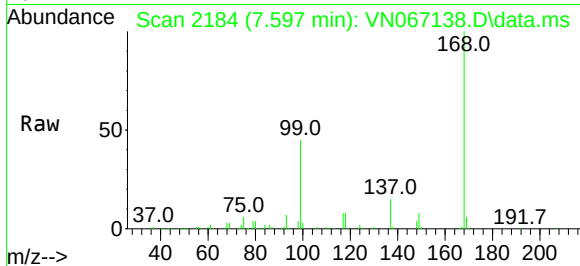




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.000 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

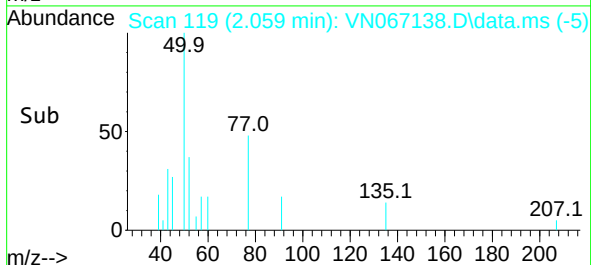
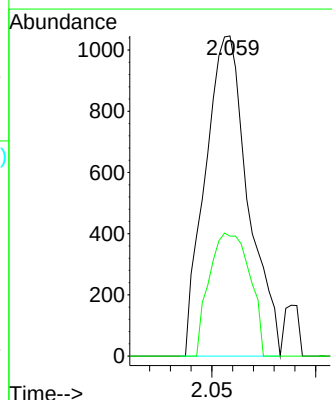
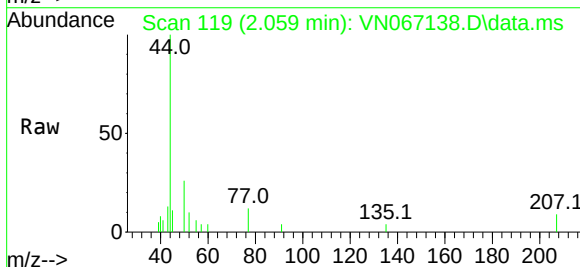
Instrument :
MSVOA_N
ClientSampled :

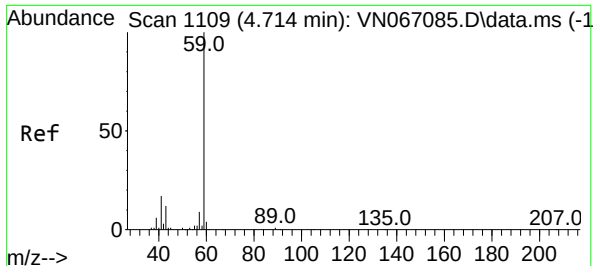
Tgt Ion:168 Resp: 617667
Ion Ratio Lower Upper
168 100
99 45.4 38.5 57.7



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.059 min Scan# 119
Delta R.T. 0.006 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

Tgt Ion: 50 Resp: 1501
Ion Ratio Lower Upper
50 100
52 37.5 26.5 39.7

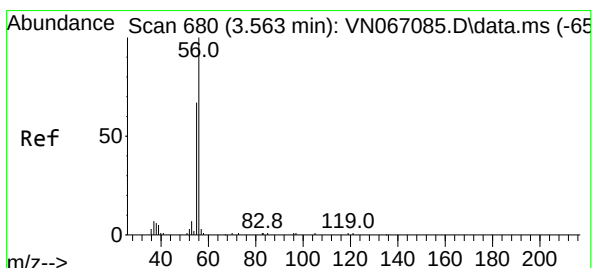
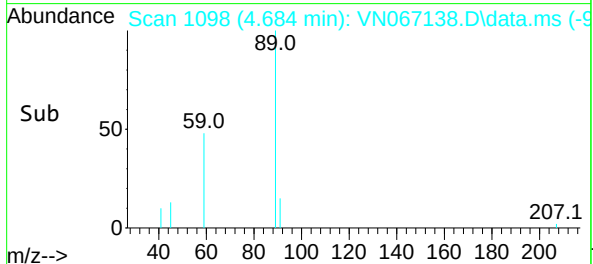
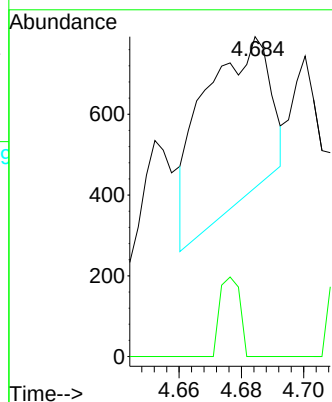
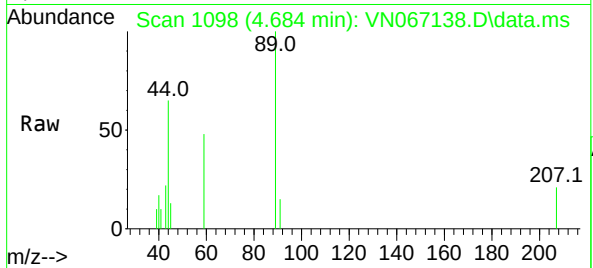




#11
Tert butyl alcohol
Concen: 0.55 ug/l
RT: 4.684 min Scan# 1098
Delta R.T. -0.030 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

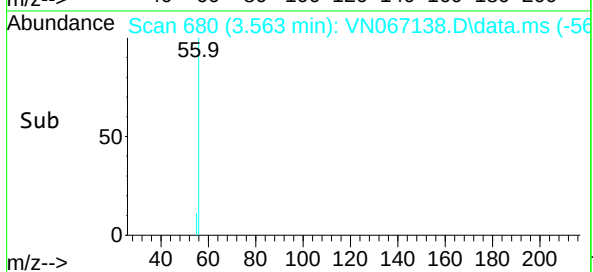
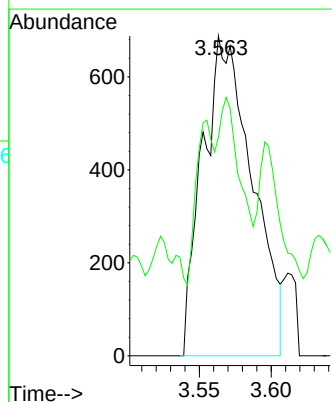
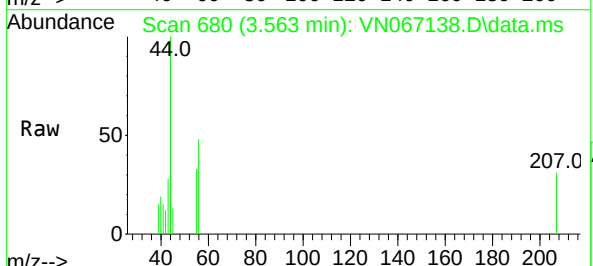
Instrument :
MSVOA_N
ClientSampleId :

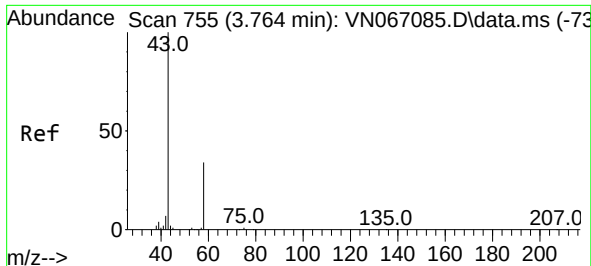
Tgt Ion: 59 Resp: 609
Ion Ratio Lower Upper
59 100
57 14.4 3.5 5.3#



#13
Acrolein
Concen: Below Cal
RT: 3.563 min Scan# 680
Delta R.T. 0.000 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

Tgt Ion: 56 Resp: 1656
Ion Ratio Lower Upper
56 100
55 18.5 53.8 80.6#

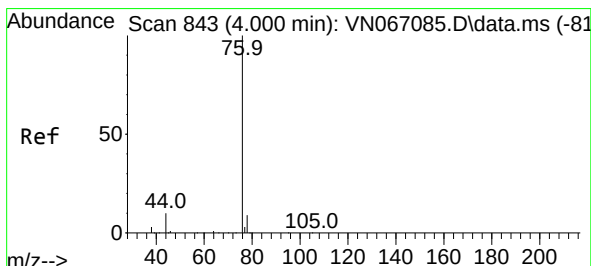
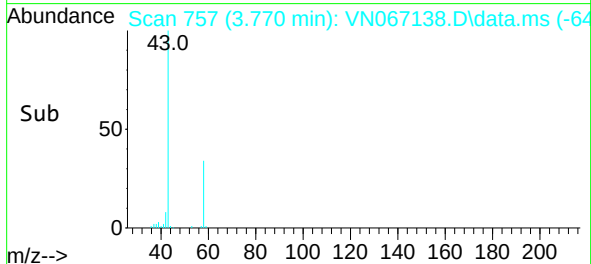
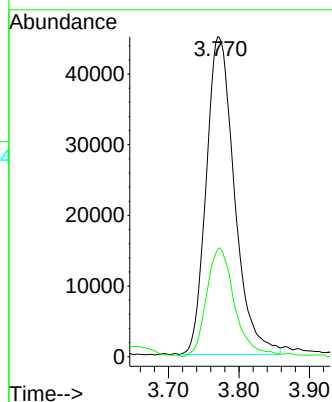
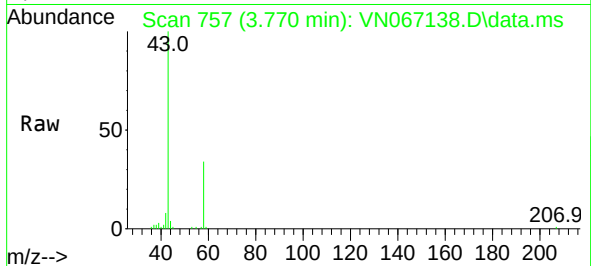




#16
Acetone
Concen: 60.39 ug/l
RT: 3.770 min Scan# 757
Delta R.T. 0.006 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

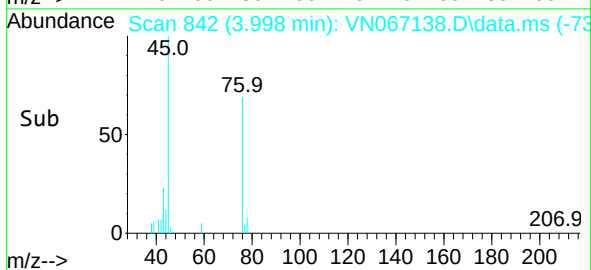
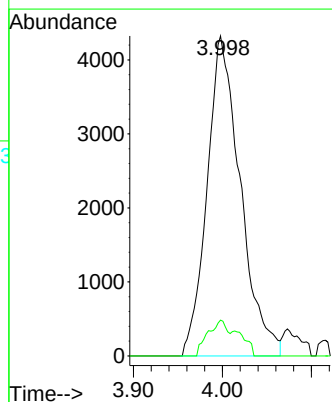
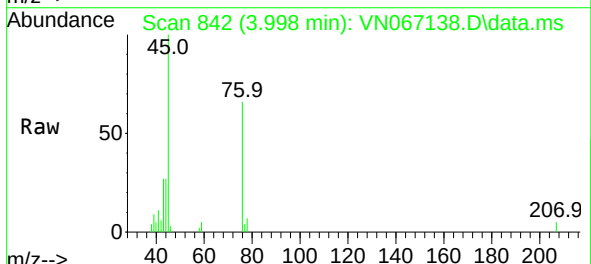
Instrument :
MSVOA_N
ClientSampled :

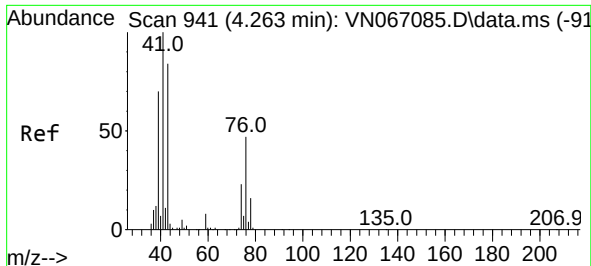
Tgt Ion: 43 Resp: 125242
Ion Ratio Lower Upper
43 100
58 33.5 27.2 40.8



#17
Carbon Disulfide
Concen: 0.72 ug/l
RT: 3.998 min Scan# 842
Delta R.T. -0.002 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

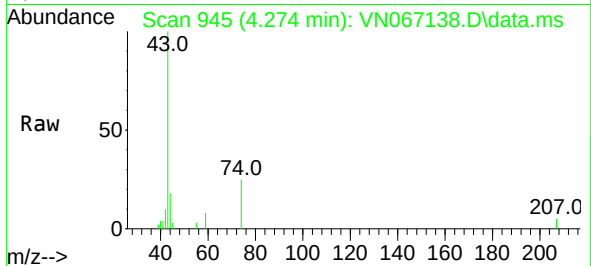
Tgt Ion: 76 Resp: 11218
Ion Ratio Lower Upper
76 100
78 11.2 7.5 11.3



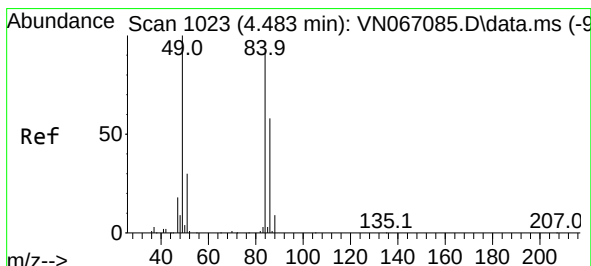
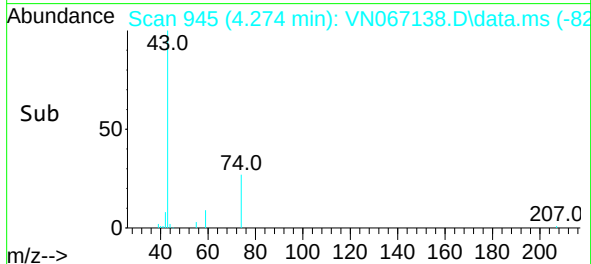
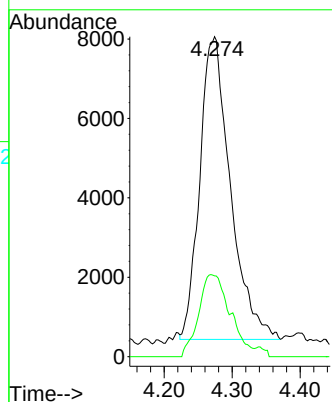


#18
Methyl Acetate
Concen: 3.87 ug/l
RT: 4.274 min Scan# 945
Delta R.T. 0.011 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

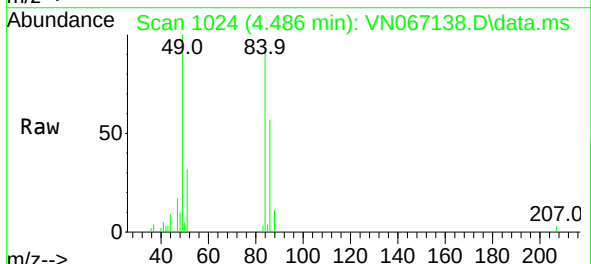
Instrument :
MSVOA_N
ClientSampled :



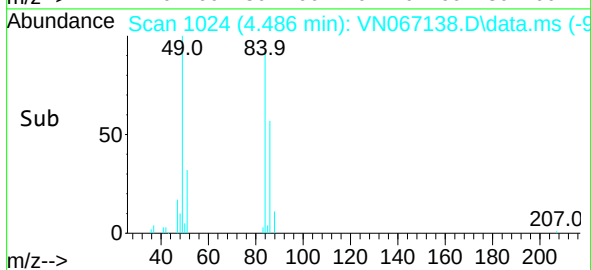
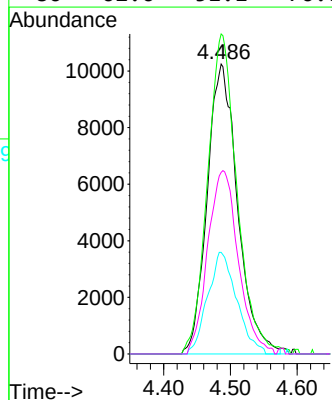
Tgt Ion: 43 Resp: 23875
Ion Ratio Lower Upper
43 100
74 27.9 21.4 32.2

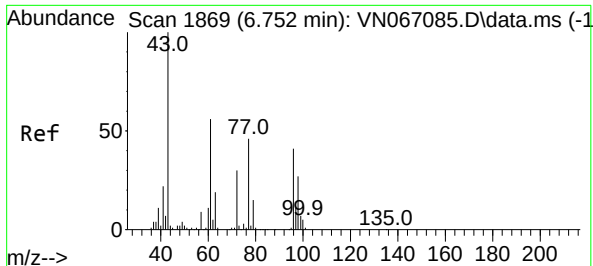


#20
Methylene Chloride
Concen: 4.84 ug/l
RT: 4.486 min Scan# 1024
Delta R.T. 0.003 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39



Tgt Ion: 84 Resp: 32353
Ion Ratio Lower Upper
84 100
49 110.4 88.3 132.5
51 35.0 26.7 40.1
86 62.6 51.1 76.7

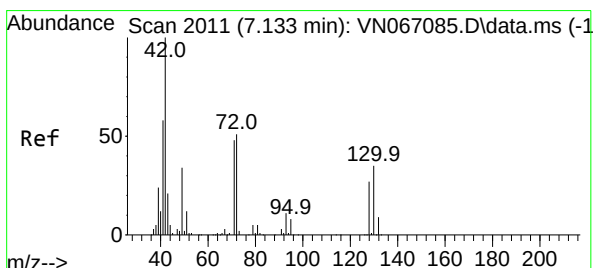
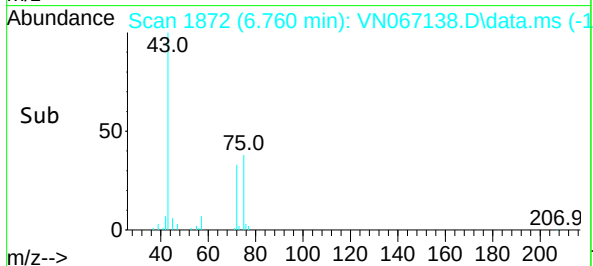
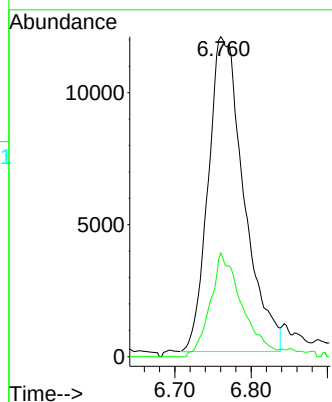
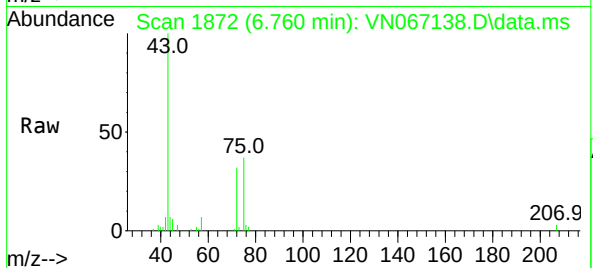




#25
2-Butanone
Concen: 11.96 ug/l
RT: 6.760 min Scan# 1872
Delta R.T. 0.008 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

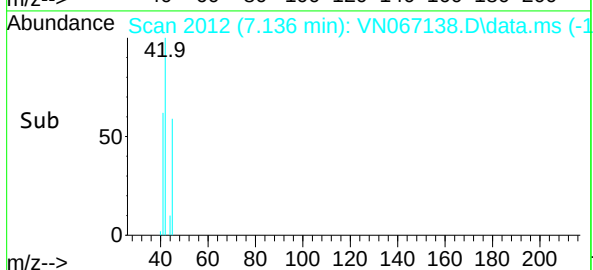
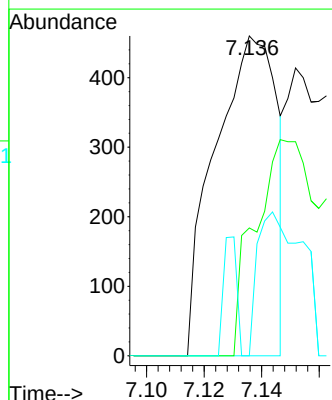
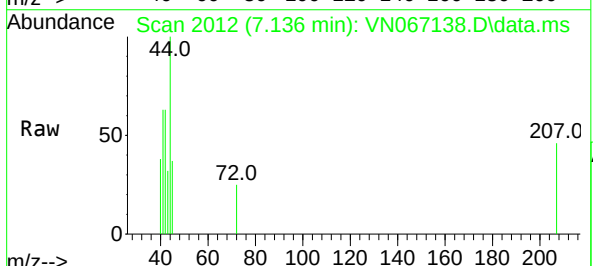
Instrument :
MSVOA_N
ClientSampled :

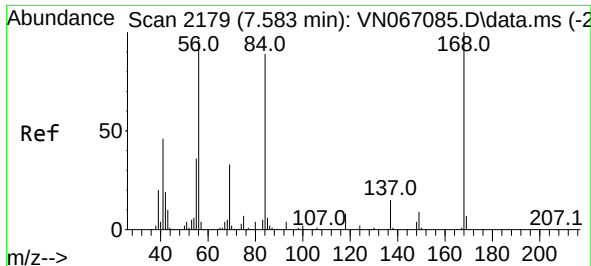
Tgt Ion: 43 Resp: 38681
Ion Ratio Lower Upper
43 100
72 32.9 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.34 ug/l
RT: 7.136 min Scan# 2012
Delta R.T. 0.003 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

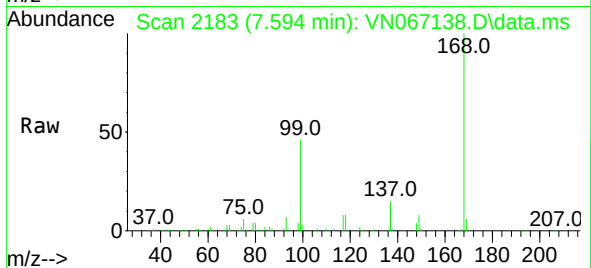
Tgt Ion: 42 Resp: 685
Ion Ratio Lower Upper
42 100
72 0.0 40.1 60.1#
71 8.0 37.9 56.9#



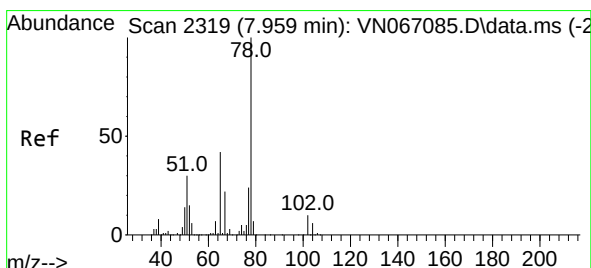
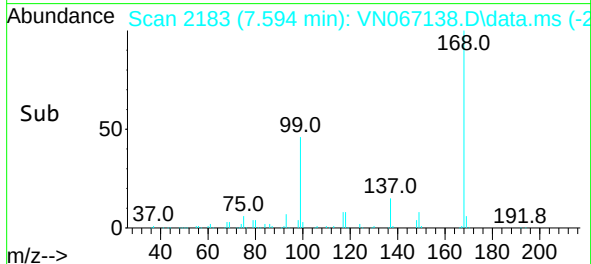
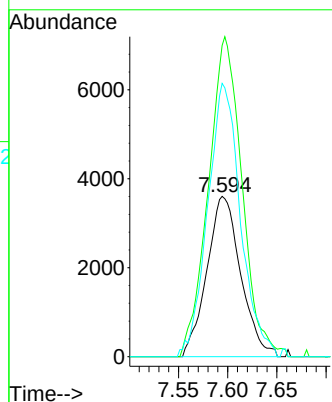


#31
Cyclohexane
Concen: 0.94 ug/l
RT: 7.594 min Scan# 2183
Delta R.T. 0.011 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

Instrument :
MSVOA_N
ClientSampled :

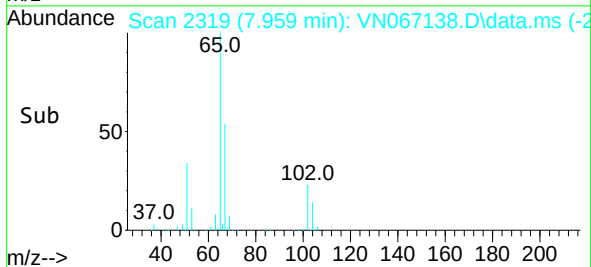
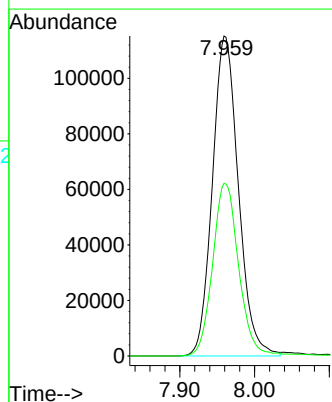
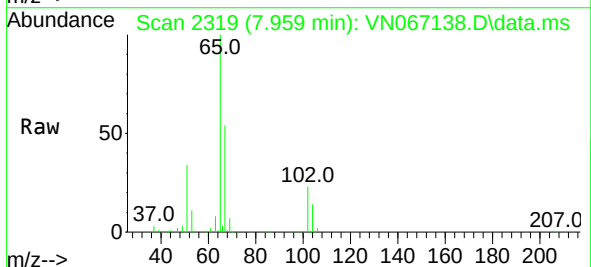


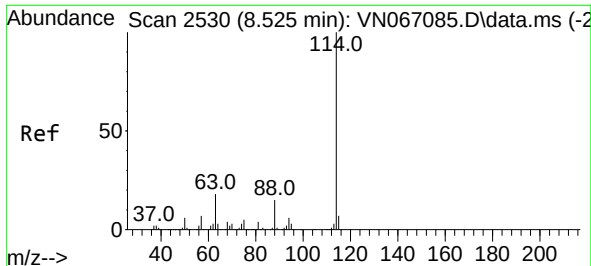
Tgt Ion: 56 Resp: 8636
Ion Ratio Lower Upper
56 100
69 194.3 28.0 42.0#
84 170.6 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 41.66 ug/l
RT: 7.959 min Scan# 2319
Delta R.T. 0.000 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

Tgt Ion: 65 Resp: 277996
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.4

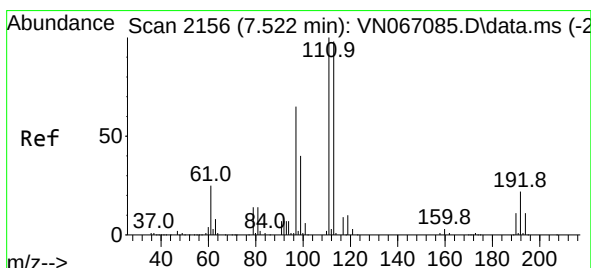
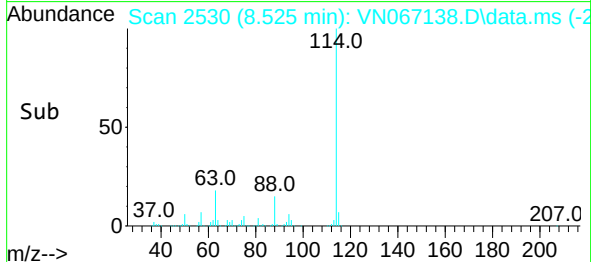
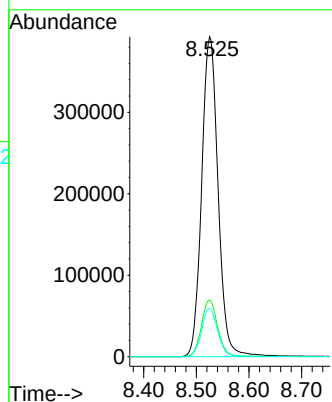
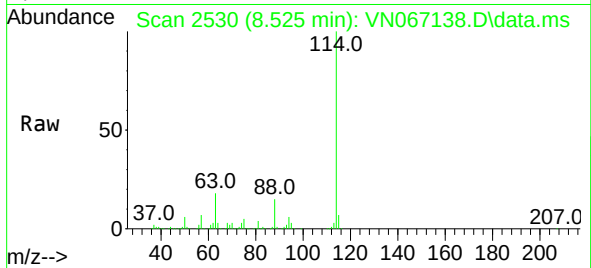




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. -0.000 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

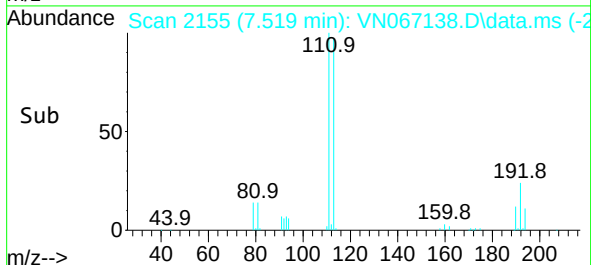
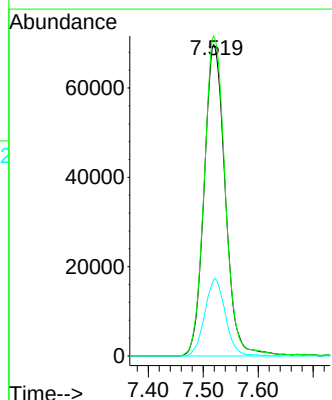
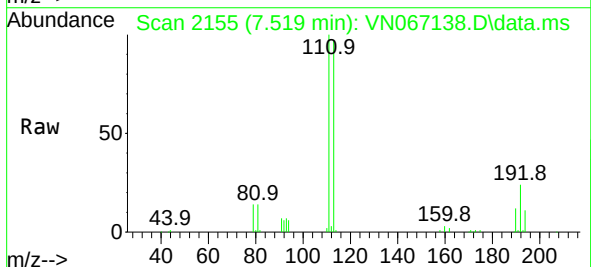
Instrument :
MSVOA_N
ClientSampleId :

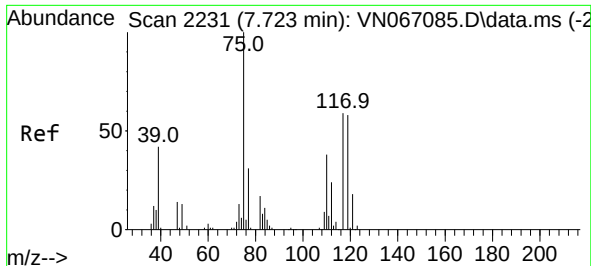
Tgt Ion:114 Resp: 851216
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.8
88 15.0 0.0 30.4



#35
Dibromofluoromethane
Concen: 33.28 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

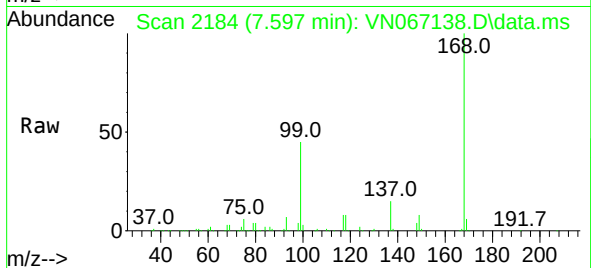
Tgt Ion:113 Resp: 185999
Ion Ratio Lower Upper
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111 102.5 82.6 124.0
192 24.0 18.2 27.4



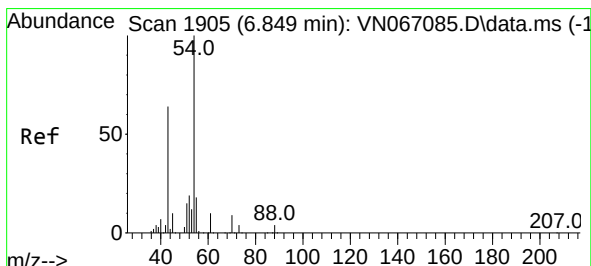
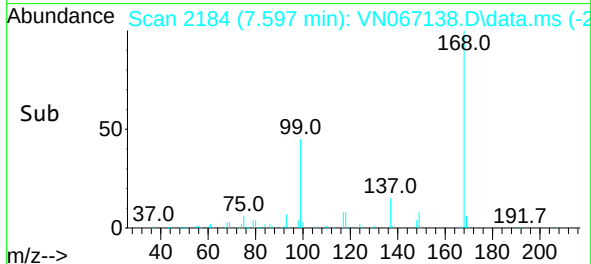
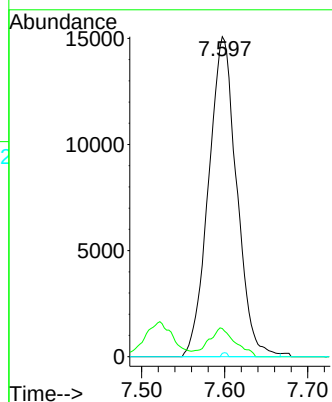


#36
 1,1-Dichloropropene
 Concen: 4.57 ug/l
 RT: 7.597 min Scan# 2184
 Delta R.T. -0.126 min
 Lab File: VN067138.D
 Acq: 18 May 2021 19:39

Instrument :
 MSVOA_N
 ClientSampled :

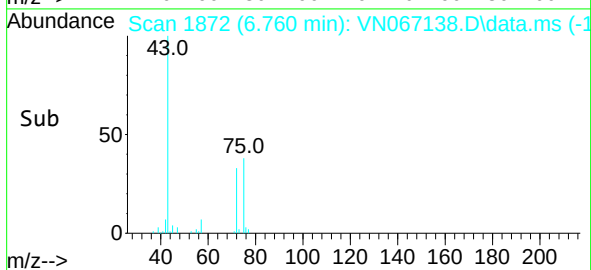
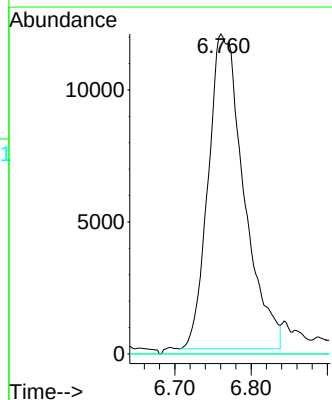
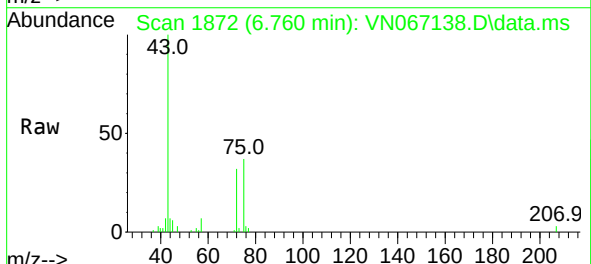


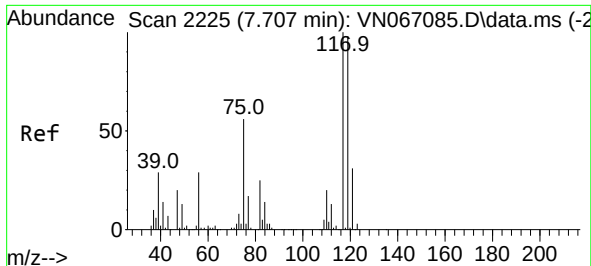
Tgt Ion: 75 Resp: 35463
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.1 57.3#
 77 0.2 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 5.64 ug/l
 RT: 6.760 min Scan# 1872
 Delta R.T. -0.089 min
 Lab File: VN067138.D
 Acq: 18 May 2021 19:39

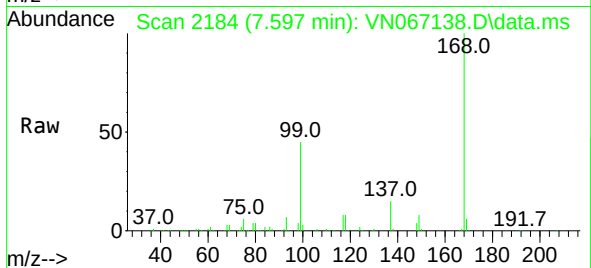
Tgt Ion: 43 Resp: 38681
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.0 19.4#
 70 0.0 9.2 13.8#



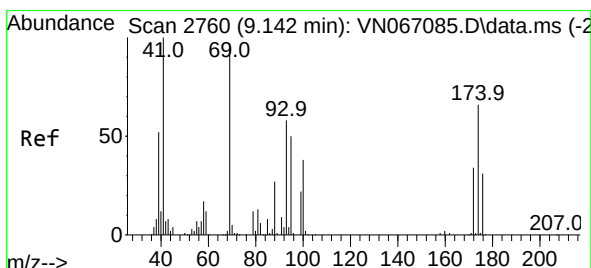
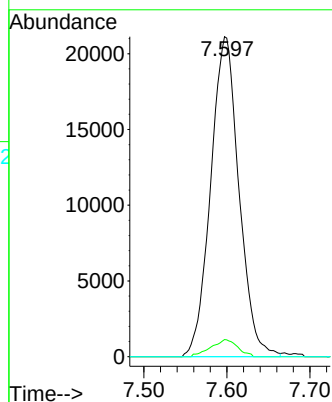
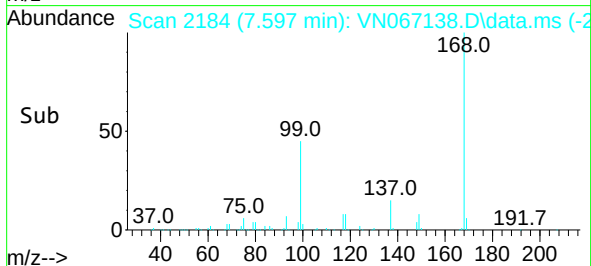


#38
Carbon Tetrachloride
Concen: 6.06 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.110 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

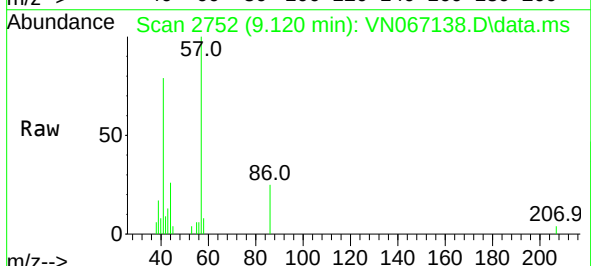
Instrument :
MSVOA_N
ClientSampleId :



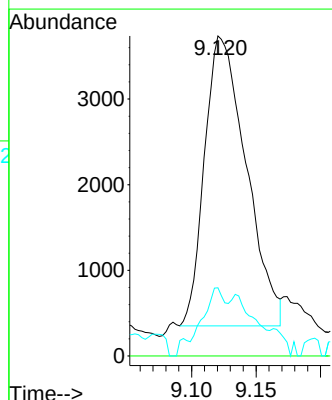
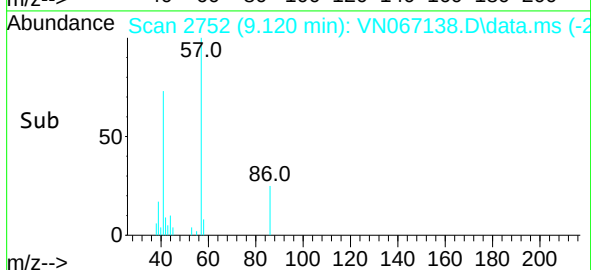
Tgt Ion:117 Resp: 50085
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.7 37.1#

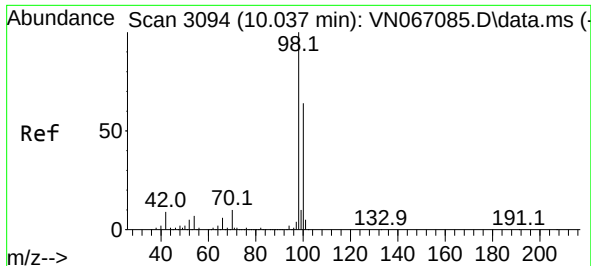


#48
Methyl methacrylate
Concen: 3.28 ug/l
RT: 9.120 min Scan# 2752
Delta R.T. -0.022 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39



Tgt Ion: 41 Resp: 7583
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 9.2 41.4 62.0#

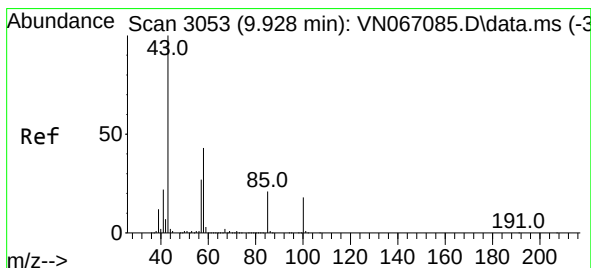
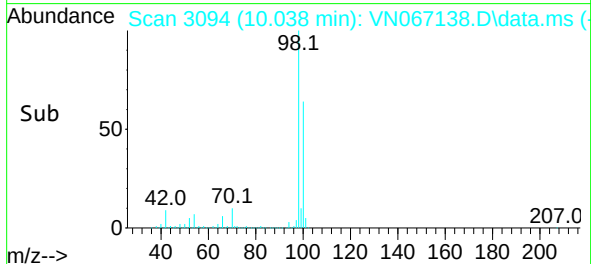
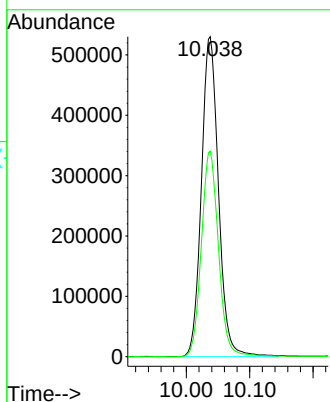
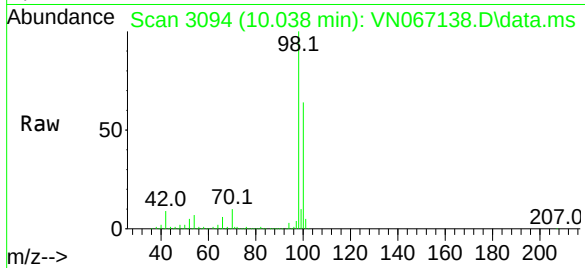




#50
Toluene-d8
Concen: 46.90 ug/l
RT: 10.038 min Scan# 3094
Delta R.T. 0.001 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

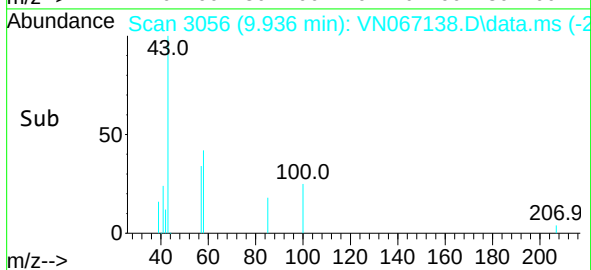
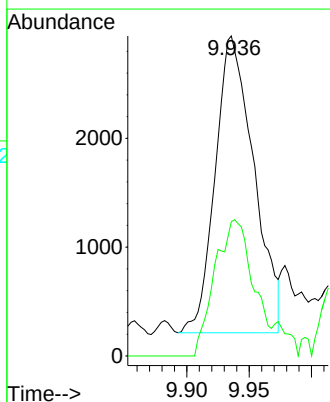
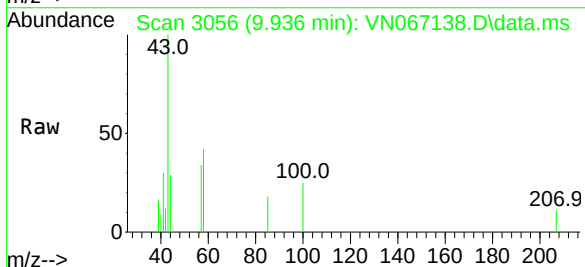
Instrument :
MSVOA_N
ClientSampled :

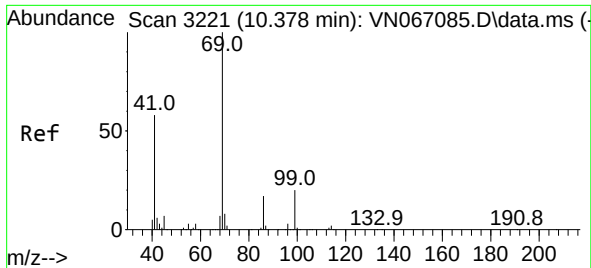
Tgt Ion: 98 Resp: 993581
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 6.24 ug/l
RT: 9.936 min Scan# 3056
Delta R.T. 0.008 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

Tgt Ion: 43 Resp: 5864
Ion Ratio Lower Upper
43 100
58 45.9 34.5 51.7

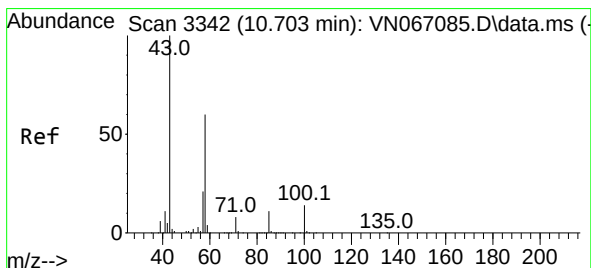
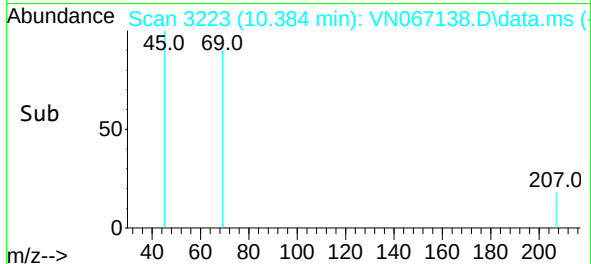
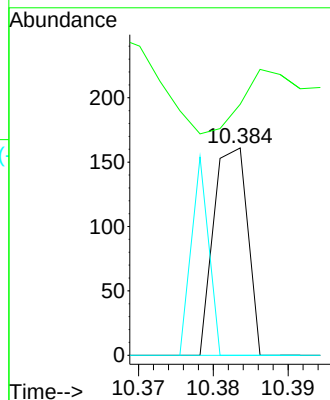
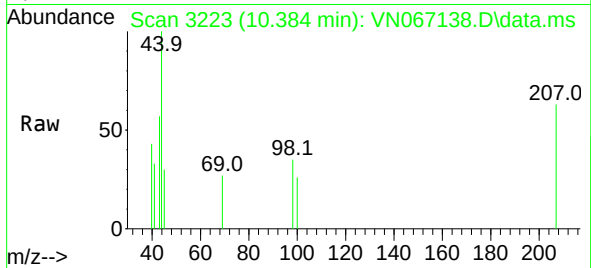




#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.384 min Scan# 3223
Delta R.T. 0.006 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

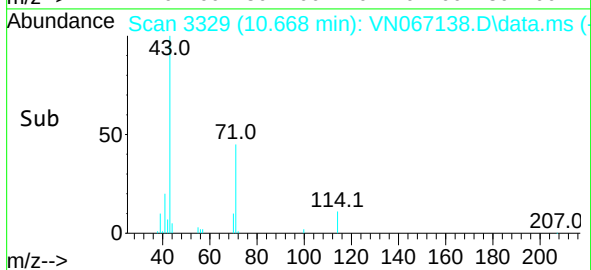
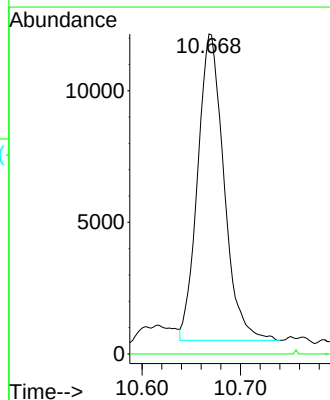
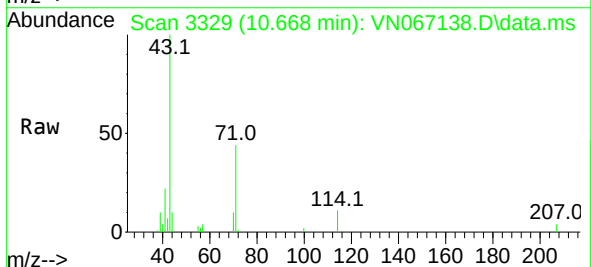
Instrument :
MSVOA_N
ClientSampled :

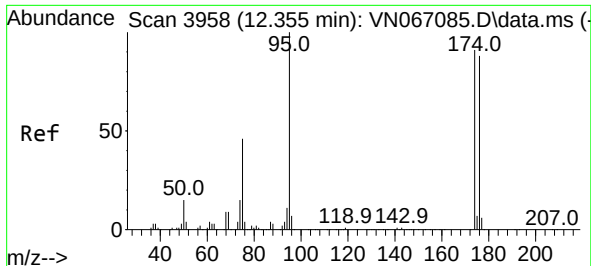
Tgt Ion: 69 Resp: 50
Ion Ratio Lower Upper
69 100
41 466.0 45.5 68.3#
39 0.0 22.9 34.3#



#59
2-Hexanone
Concen: 26.37 ug/l
RT: 10.668 min Scan# 3329
Delta R.T. -0.035 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

Tgt Ion: 43 Resp: 21569
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#

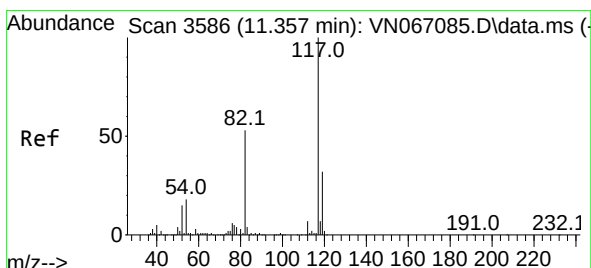
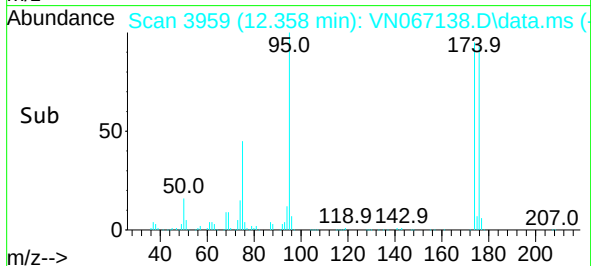
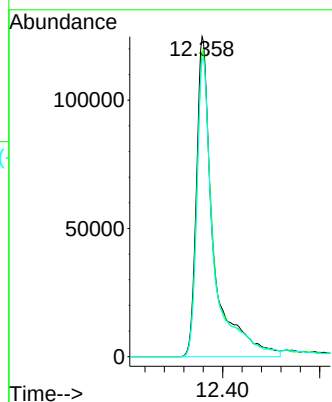
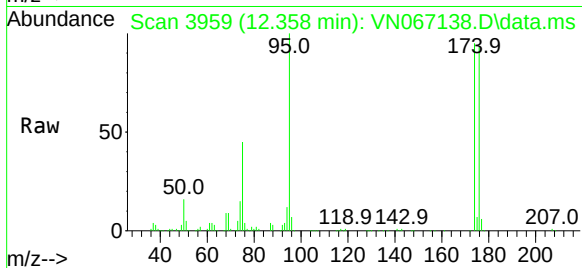




#62
4-Bromofluorobenzene
Concen: 42.57 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

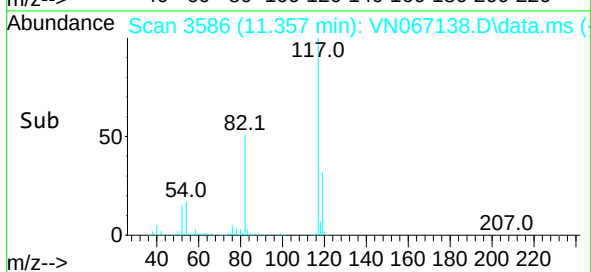
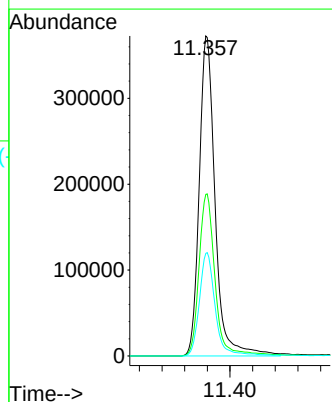
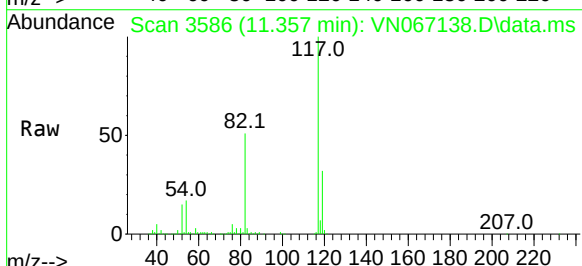
Instrument :
MSVOA_N
ClientSampleId :

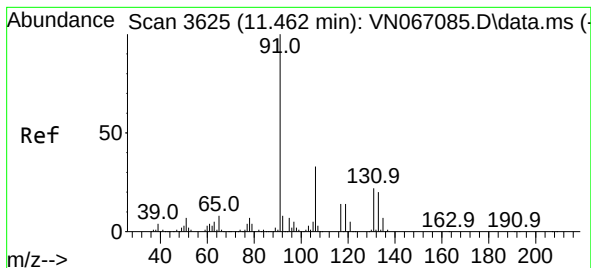
Tgt Ion: 95 Resp: 302109
Ion Ratio Lower Upper
95 100
174 94.7 0.0 182.8
176 91.2 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. 0.000 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

Tgt Ion: 117 Resp: 725203
Ion Ratio Lower Upper
117 100
82 50.5 42.2 63.2
119 32.0 25.8 38.6





#67

Ethyl Benzene

Concen: 0.27 ug/l

RT: 11.470 min Scan# 3628

Delta R.T. 0.008 min

Lab File: VN067138.D

Acq: 18 May 2021 19:39

Tgt Ion: 91 Resp: 7411

Ion Ratio Lower Upper

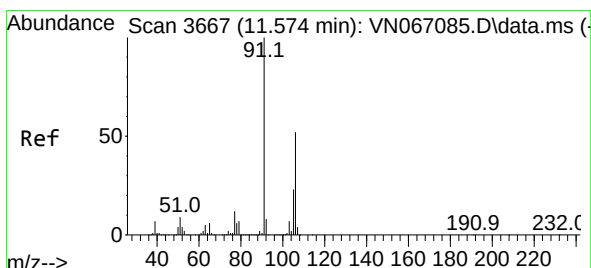
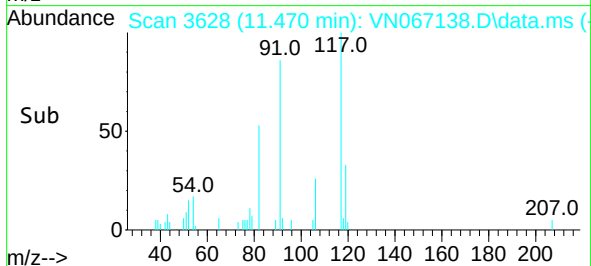
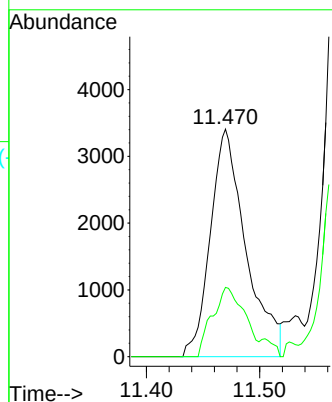
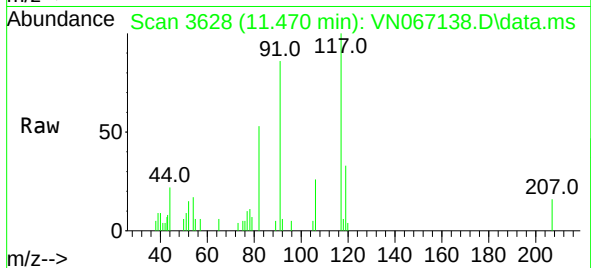
91 100

106 30.4 26.2 39.2

Instrument :

MSVOA_N

ClientSampled :



#68

m/p-Xylenes

Concen: 1.14 ug/l

RT: 11.577 min Scan# 3668

Delta R.T. 0.003 min

Lab File: VN067138.D

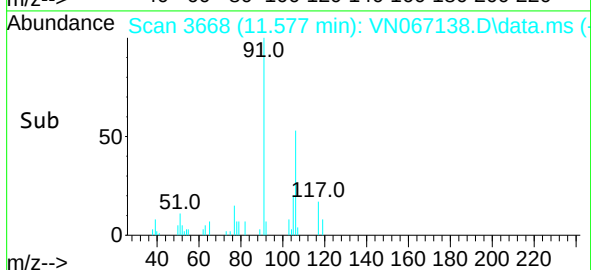
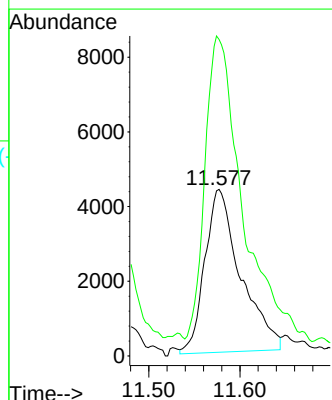
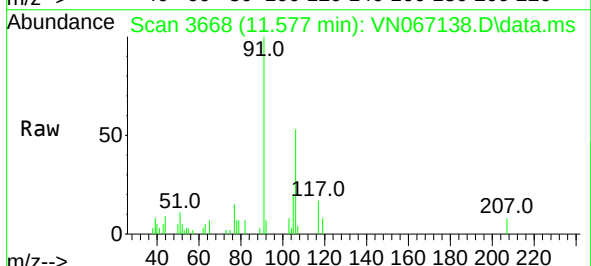
Acq: 18 May 2021 19:39

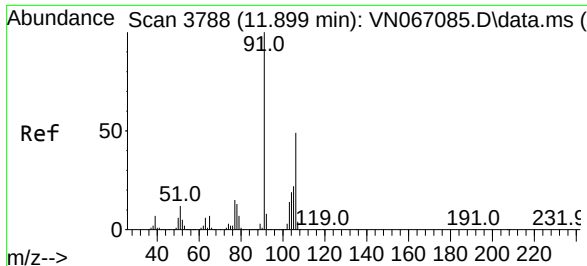
Tgt Ion: 106 Resp: 11957

Ion Ratio Lower Upper

106 100

91 196.2 155.2 232.8

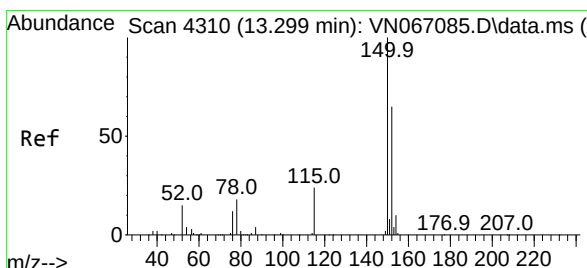
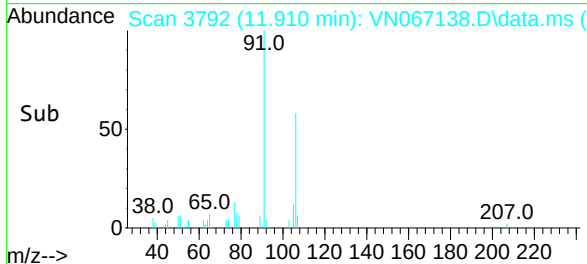
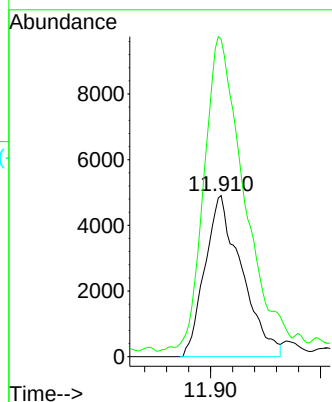
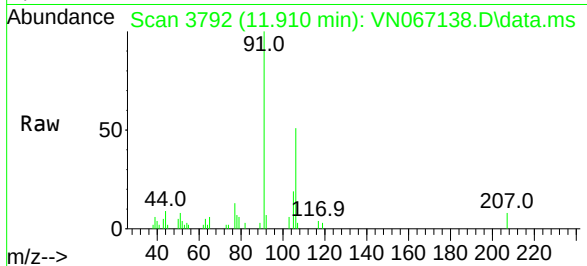




#69
o-Xylene
Concen: 1.08 ug/l
RT: 11.910 min Scan# 3792
Delta R.T. 0.011 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

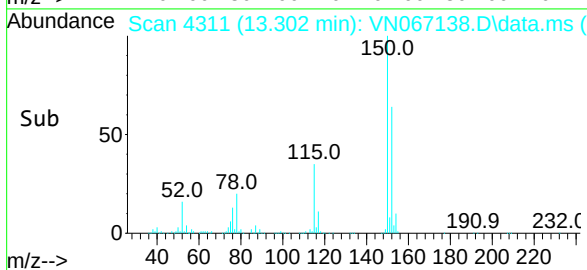
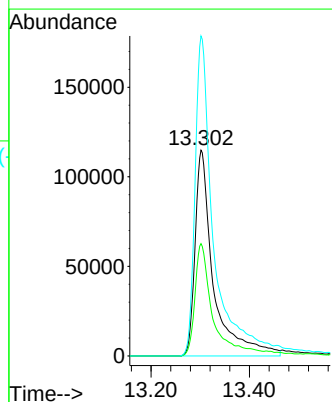
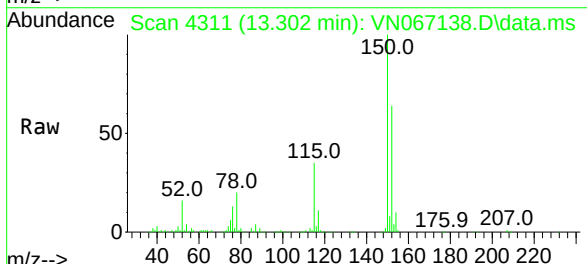
Instrument :
MSVOA_N
ClientSampleId :

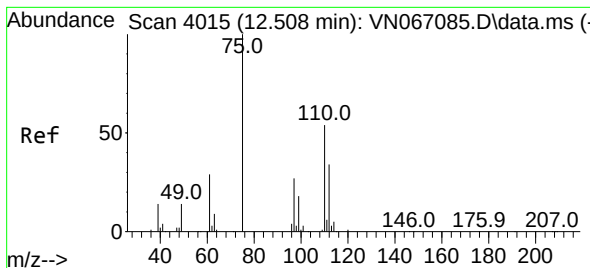
Tgt Ion:106 Resp: 11392
Ion Ratio Lower Upper
106 100
91 213.1 102.3 306.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.302 min Scan# 4311
Delta R.T. 0.003 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

Tgt Ion:152 Resp: 299993
Ion Ratio Lower Upper
152 100
115 52.6 27.0 80.8
150 155.4 0.0 350.2

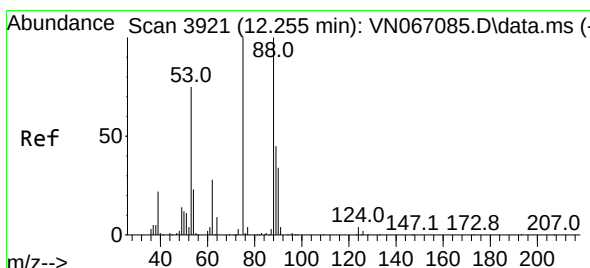
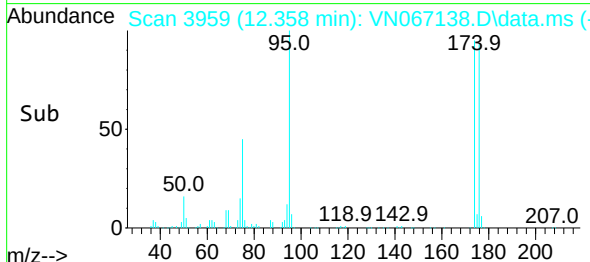
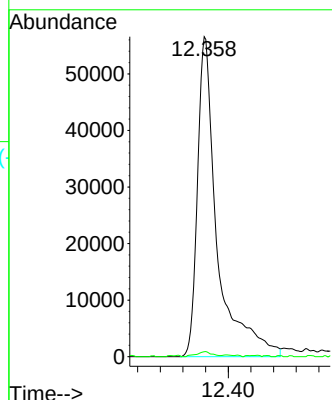
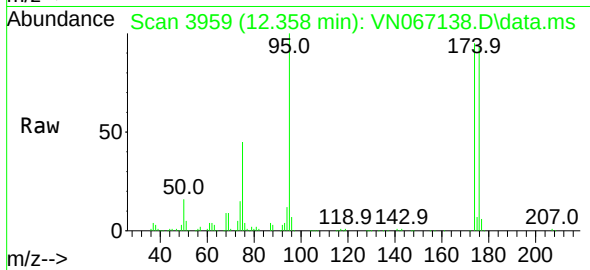




#76
1,2,3-Trichloropropane
Concen: 21.64 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. -0.150 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

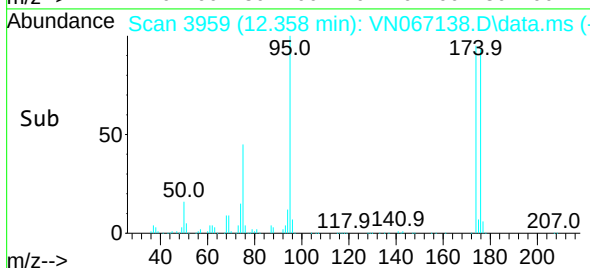
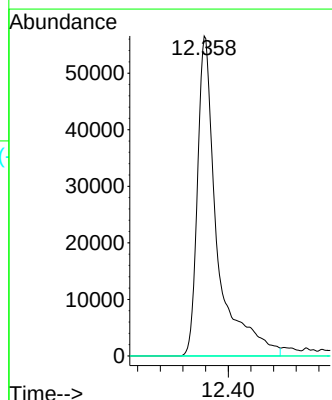
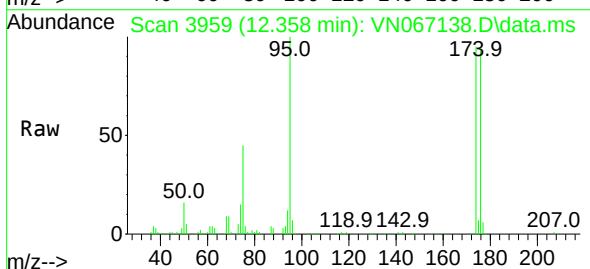
Instrument :
MSVOA_N
ClientSampled :

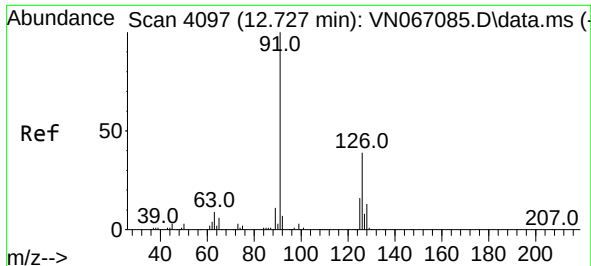
Tgt Ion: 75 Resp: 136981
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.10 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.102 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

Tgt Ion: 75 Resp: 136981
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

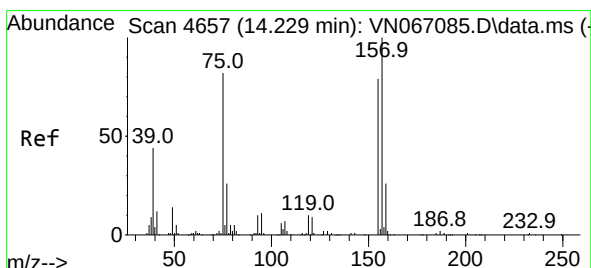
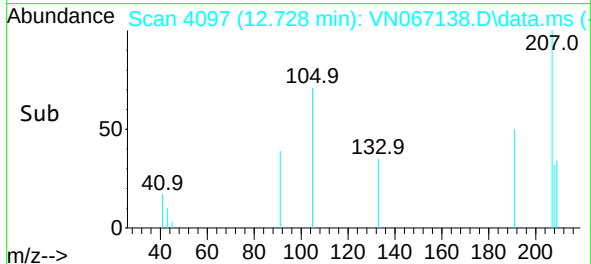
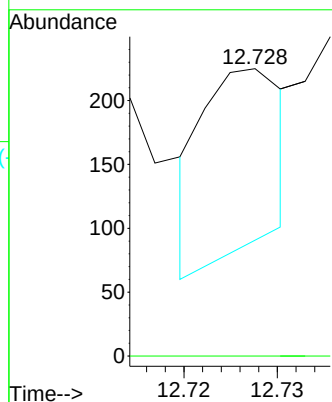
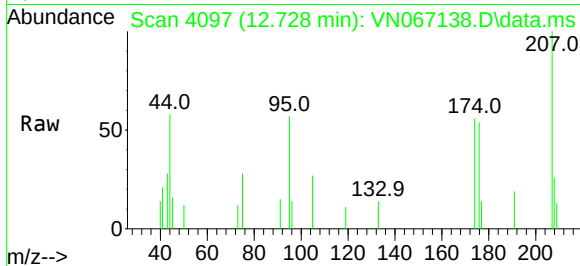




#82
4-Chlorotoluene
Concen: 1.19 ug/l
RT: 12.728 min Scan# 4097
Delta R.T. 0.001 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

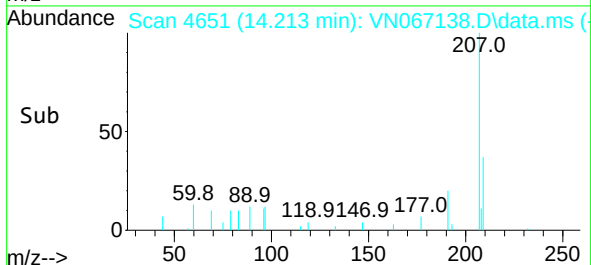
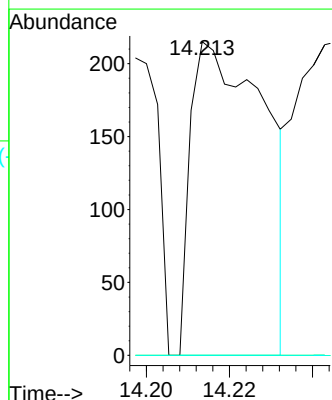
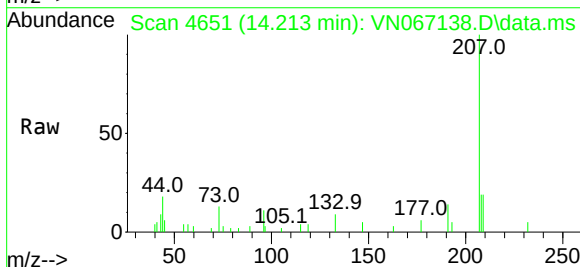
Instrument :
MSVOA_N
ClientSampled :

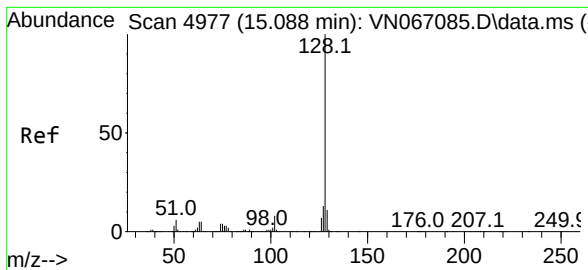
Tgt Ion: 91 Resp: 85
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.24 ug/l
RT: 14.213 min Scan# 4651
Delta R.T. -0.016 min
Lab File: VN067138.D
Acq: 18 May 2021 19:39

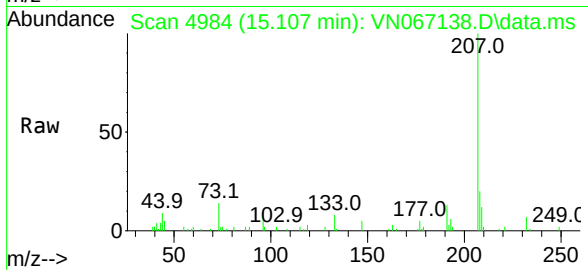
Tgt Ion: 75 Resp: 267
Ion Ratio Lower Upper
75 100
155 0.0 49.9 149.7#
157 0.0 63.8 191.4#





#95
 Naphthalene
 Concen: 3.28 ug/l
 RT: 15.107 min Scan# 4984
 Delta R.T. 0.019 min
 Lab File: VN067138.D
 Acq: 18 May 2021 19:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	341
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	13.0#

