

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051721\
 Data File : VN067104.D
 Acq On : 17 May 2021 16:14
 Operator : JC/MD
 Sample : M2387-07 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 04:59:17 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)

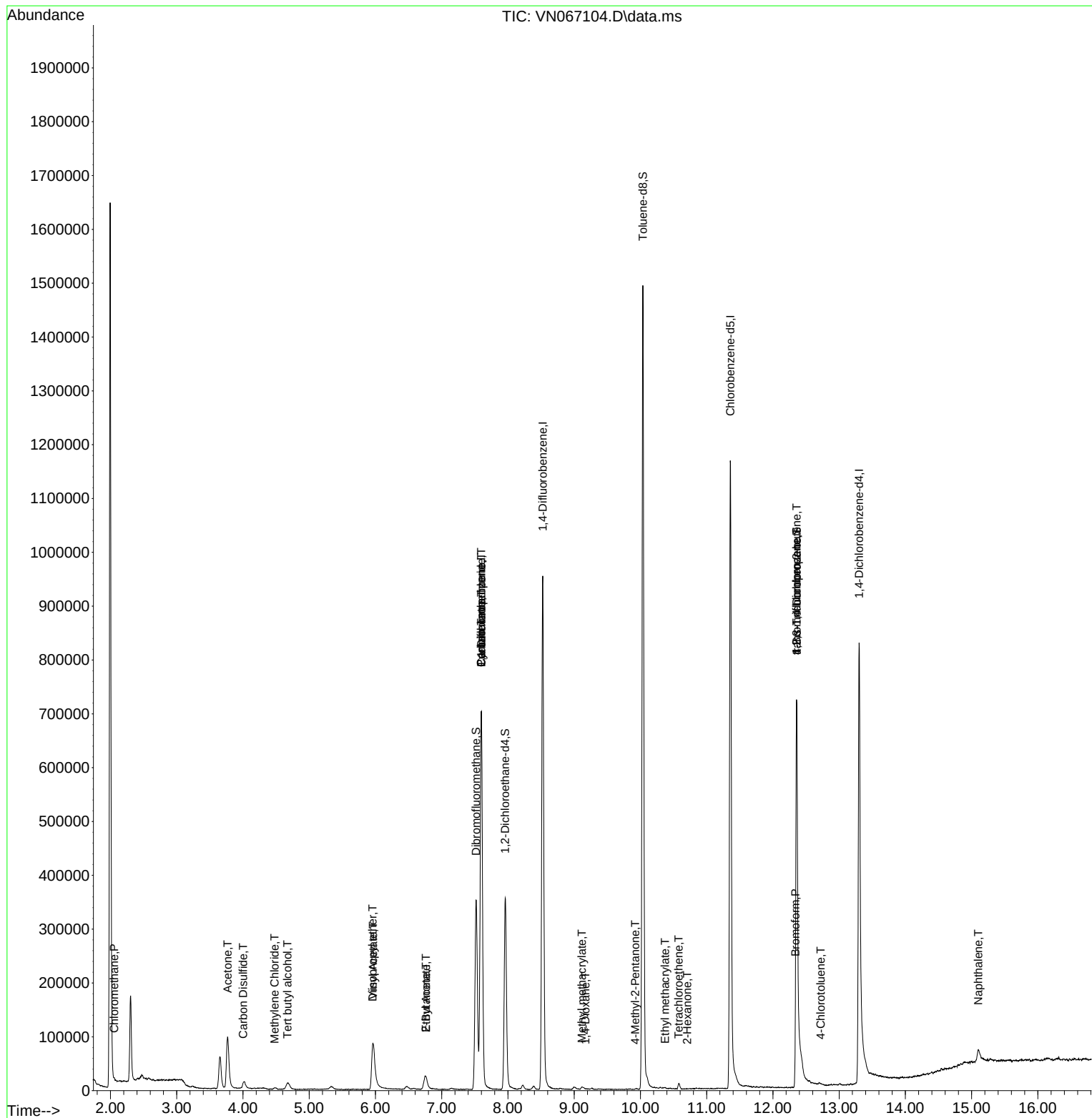
Internal Standards						
1) Pentafluorobenzene	7.600	168	672882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	957130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	831115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.302	152	357656	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	317980	43.74	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.48%		
35) Dibromofluoromethane	7.519	113	286514	45.59	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.18%		
50) Toluene-d8	10.038	98	1123838	47.18	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.36%		
62) 4-Bromofluorobenzene	12.358	95	357959	44.86	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.72%		
Target Compounds						Qvalue
3) Chloromethane	2.053	50	2145	0.29	ug/l	94
11) Tert butyl alcohol	4.674	59	7496	6.19	ug/l #	97
13) Acrolein	3.558	56	718	Below Cal		94
16) Acetone	3.770	43	169209	74.89	ug/l	97
17) Carbon Disulfide	4.001	76	3780	0.22	ug/l #	89
20) Methylene Chloride	4.475	84	1234	0.24	ug/l #	84
22) Diisopropyl ether	5.956	45	3874	0.22	ug/l #	1
23) Vinyl Acetate	5.964	43	18887	1.20	ug/l #	69
25) 2-Butanone	6.763	43	21533	6.11	ug/l	96
31) Cyclohexane	7.597	56	10184	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.597	75	39452	4.52	ug/l #	48
37) Ethyl Acetate	6.763	43	21533	2.79	ug/l #	65
38) Carbon Tetrachloride	7.600	117	55315	5.95	ug/l #	15
48) Methyl methacrylate	9.115	41	1254	2.14	ug/l #	31
49) 1,4-Dioxane	9.171	88	56	0.61	ug/l #	27
51) 4-Methyl-2-Pentanone	9.920	43	168	5.42	ug/l #	33
56) Ethyl methacrylate	10.373	69	80	1.95	ug/l #	1
59) 2-Hexanone	10.708	43	191	21.95	ug/l #	21
64) Tetrachloroethene	10.579	164	2617	0.36	ug/l	93
71) Bromoform	12.339	173	82	1.78	ug/l #	1
76) 1,2,3-Trichloropropane	12.358	75	160937	21.32	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.358	75	160937	64.21	ug/l #	15
82) 4-Chlorotoluene	12.720	91	66	1.18	ug/l #	39
95) Naphthalene	15.101	128	33689	5.33	ug/l #	91

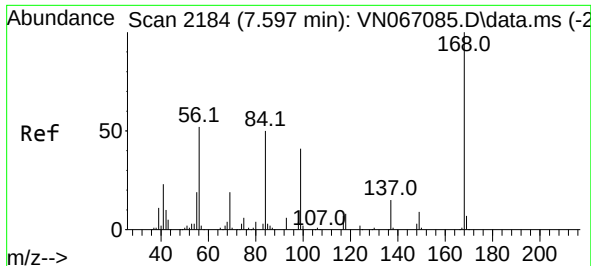
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 18 04:00:15 2021
Response via : Initial Calibration

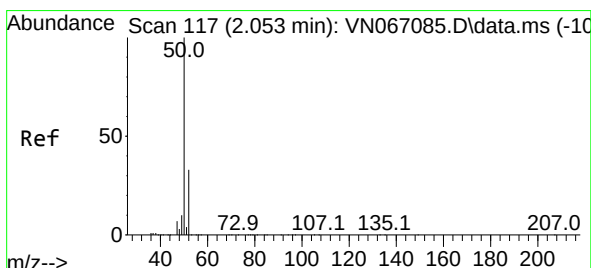
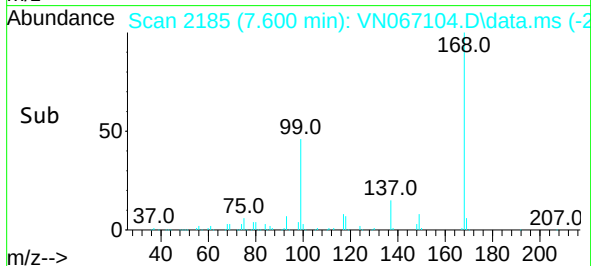
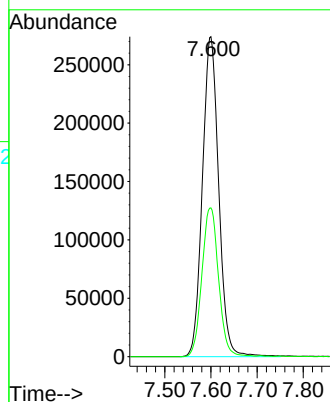
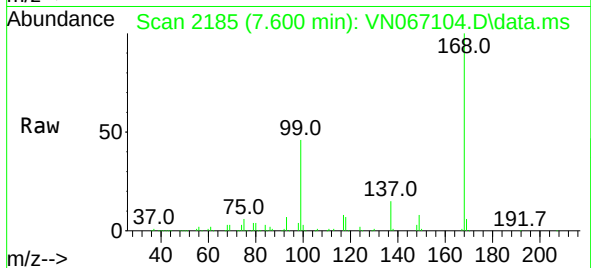




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. 0.003 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

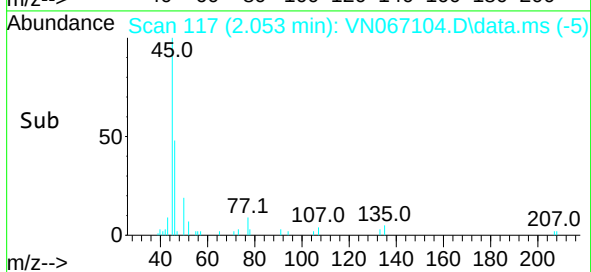
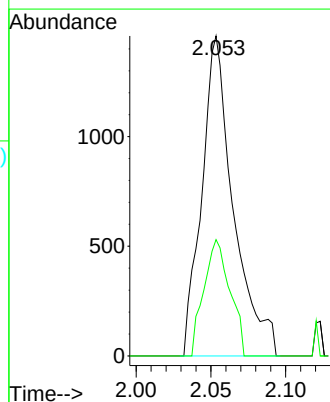
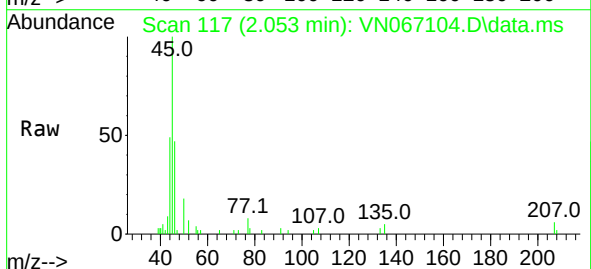
Instrument :
MSVOA_N
ClientSampled :

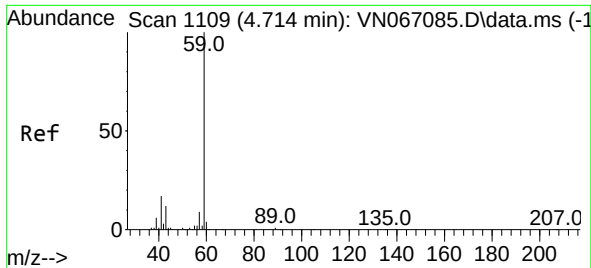
Tgt Ion:168 Resp: 672882
Ion Ratio Lower Upper
168 100
99 46.5 38.5 57.7



#3
Chloromethane
Concen: 0.29 ug/l
RT: 2.053 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion: 50 Resp: 2145
Ion Ratio Lower Upper
50 100
52 36.3 26.5 39.7

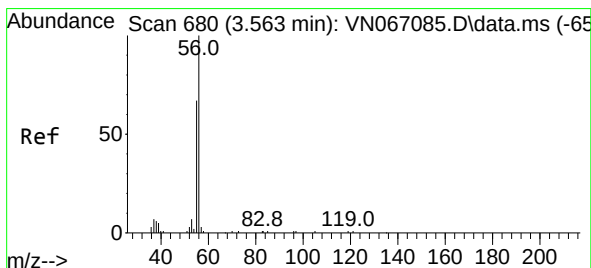
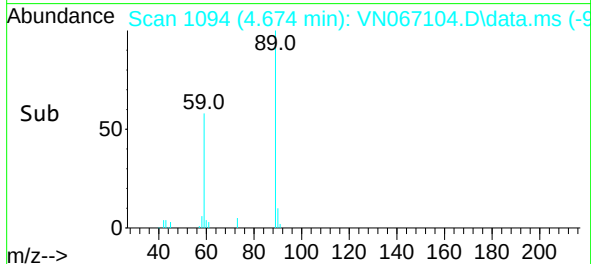
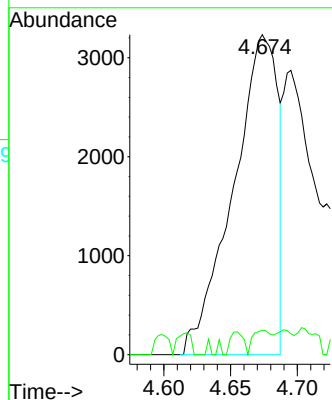
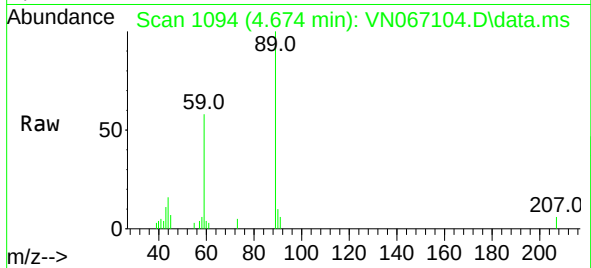




#11
Tert butyl alcohol
Concen: 6.19 ug/l
RT: 4.674 min Scan# 1094
Delta R.T. -0.040 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

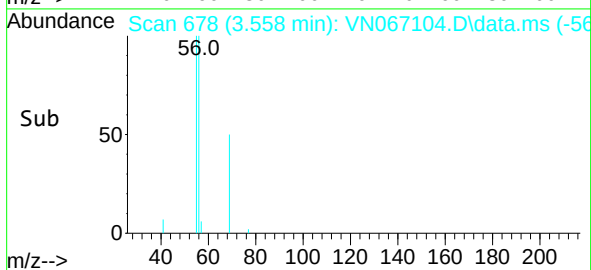
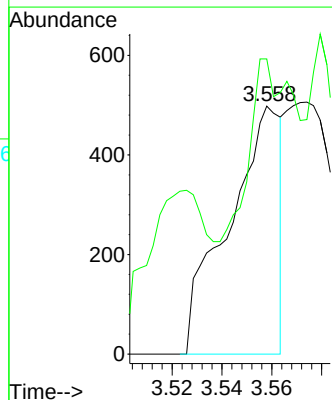
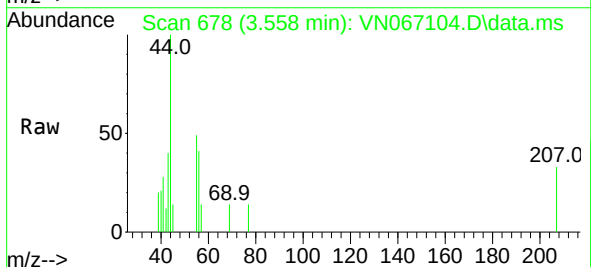
Instrument :
MSVOA_N
ClientSampled :

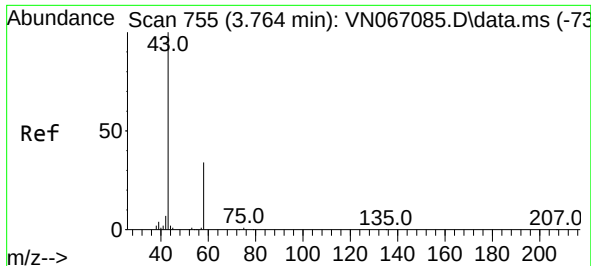
Tgt Ion: 59 Resp: 7496
Ion Ratio Lower Upper
59 100
57 3.3 3.5 5.3#



#13
Acrolein
Concen: Below Cal
RT: 3.558 min Scan# 678
Delta R.T. -0.005 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion: 56 Resp: 718
Ion Ratio Lower Upper
56 100
55 72.1 53.8 80.6

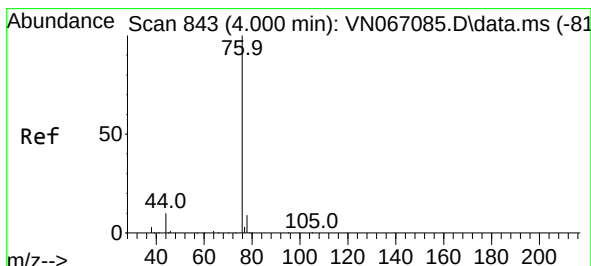
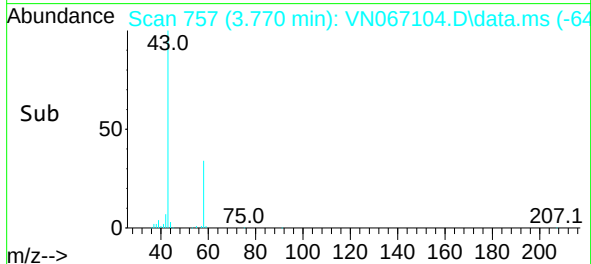
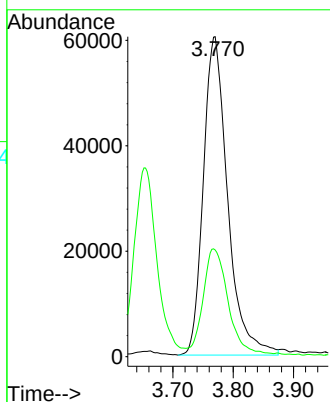
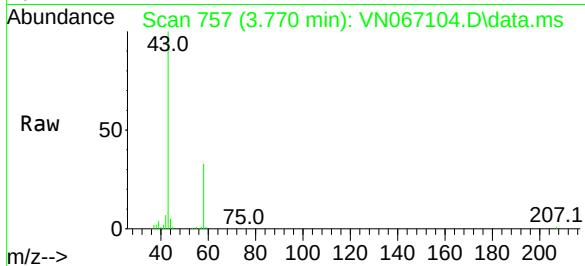




#16
Acetone
Concen: 74.89 ug/l
RT: 3.770 min Scan# 757
Delta R.T. 0.006 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

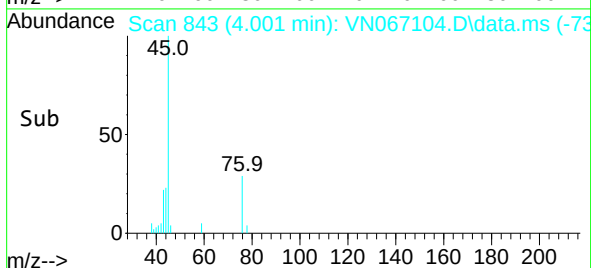
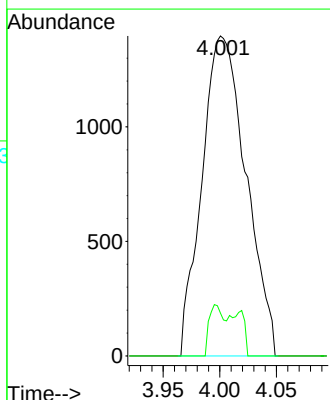
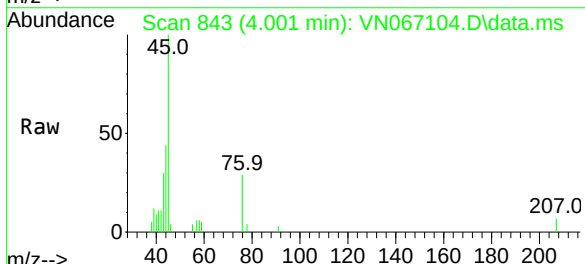
Instrument :
MSVOA_N
ClientSampled :

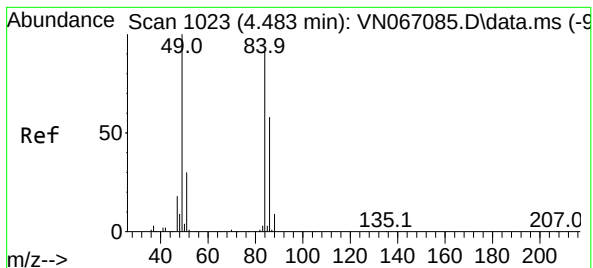
Tgt Ion: 43 Resp: 169209
Ion Ratio Lower Upper
43 100
58 32.4 27.2 40.8



#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 4.001 min Scan# 843
Delta R.T. 0.001 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion: 76 Resp: 3780
Ion Ratio Lower Upper
76 100
78 13.4 7.5 11.3#





#20

Methylene Chloride

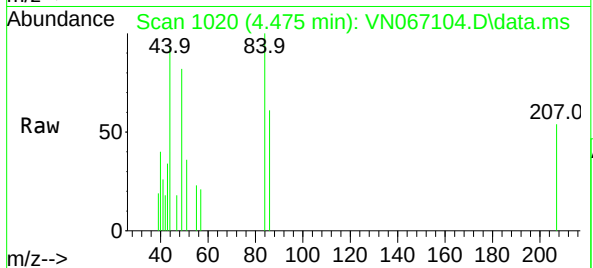
Concen: 0.24 ug/l

RT: 4.475 min Scan# 1020

Delta R.T. -0.008 min

Lab File: VN067104.D

Acq: 17 May 2021 16:14



Tgt Ion: 84 Resp: 1234

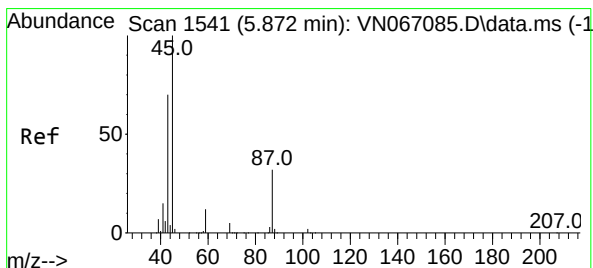
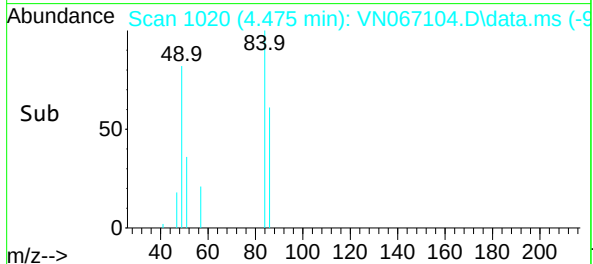
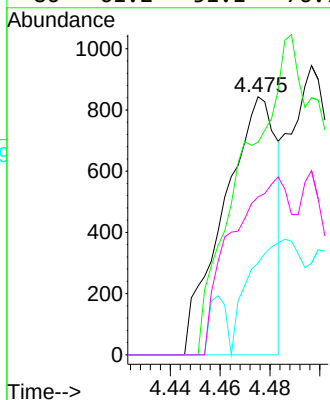
Ion Ratio Lower Upper

84 100

49 82.3 88.3 132.5#

51 35.6 26.7 40.1

86 61.2 51.1 76.7



#22

Diisopropyl ether

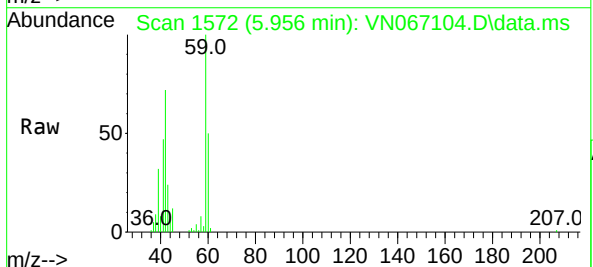
Concen: 0.22 ug/l

RT: 5.956 min Scan# 1572

Delta R.T. 0.084 min

Lab File: VN067104.D

Acq: 17 May 2021 16:14



Tgt Ion: 45 Resp: 3874

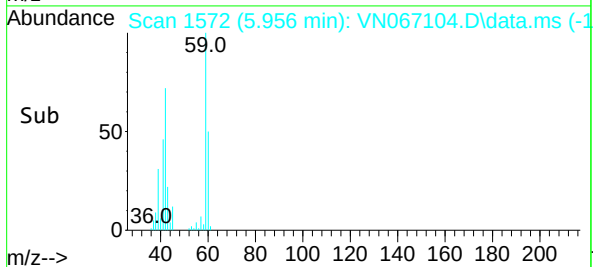
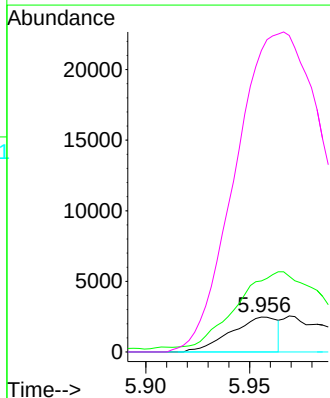
Ion Ratio Lower Upper

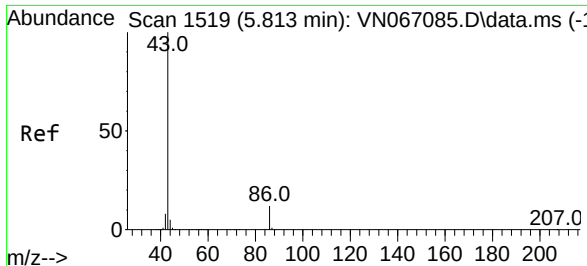
45 100

43 189.6 55.6 83.4#

87 0.0 26.5 39.7#

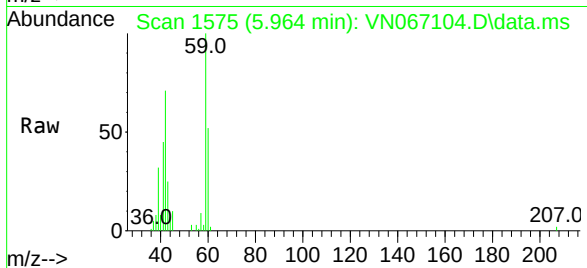
59 852.1 10.0 15.0#



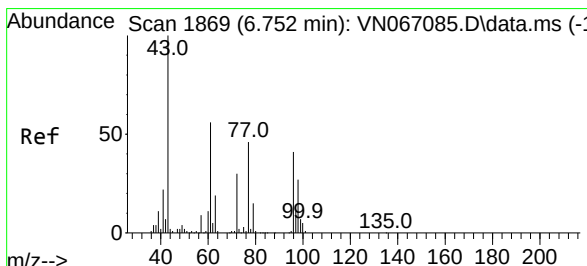
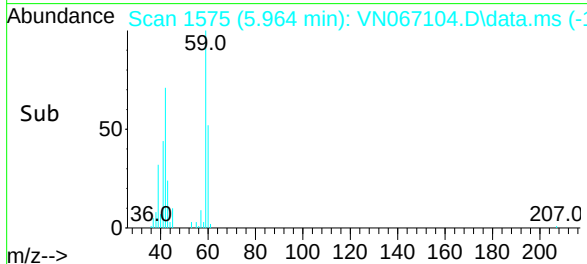
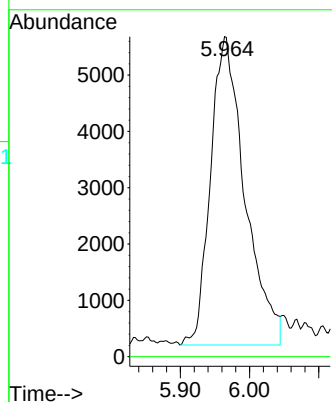


#23
 Vinyl Acetate
 Concen: 1.20 ug/l
 RT: 5.964 min Scan# 1575
 Delta R.T. 0.151 min
 Lab File: VN067104.D
 Acq: 17 May 2021 16:14

Instrument :
 MSVOA_N
 ClientSampled :

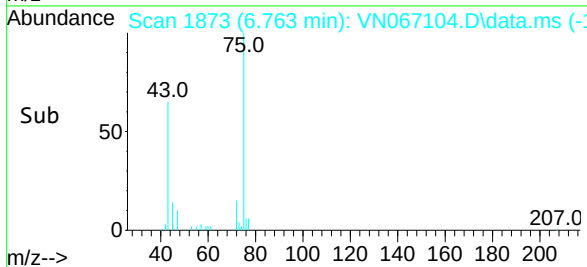
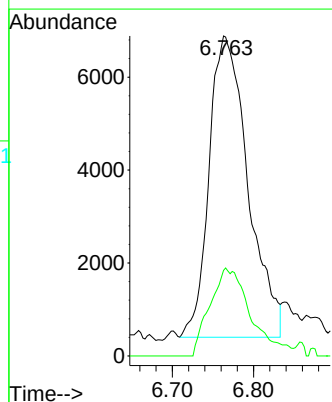
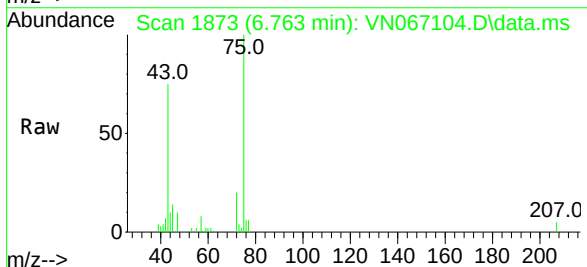


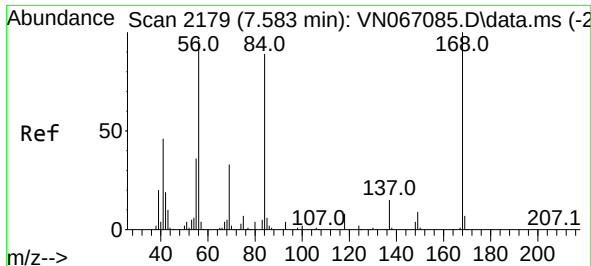
Tgt Ion: 43 Resp: 18887
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.5 14.3#



#25
 2-Butanone
 Concen: 6.11 ug/l
 RT: 6.763 min Scan# 1873
 Delta R.T. 0.011 min
 Lab File: VN067104.D
 Acq: 17 May 2021 16:14

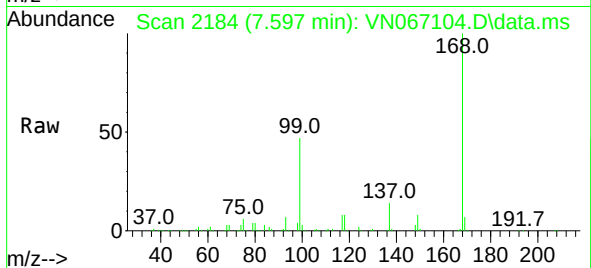
Tgt Ion: 43 Resp: 21533
 Ion Ratio Lower Upper
 43 100
 72 28.4 24.4 36.6



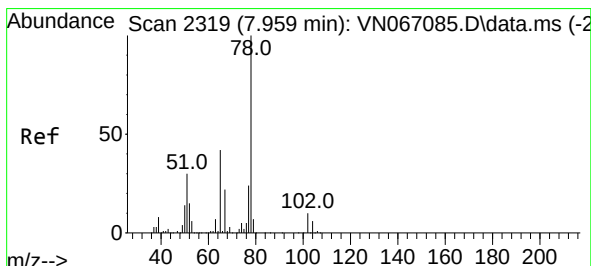
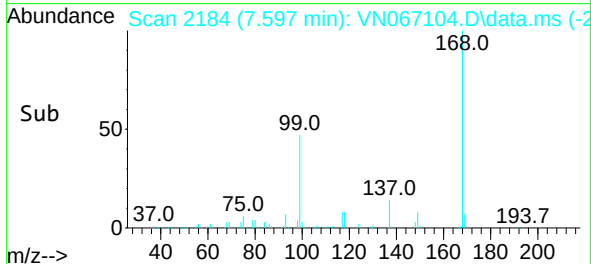
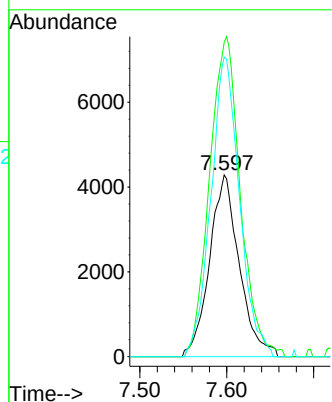


#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. 0.014 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Instrument :
MSVOA_N
ClientSampled :

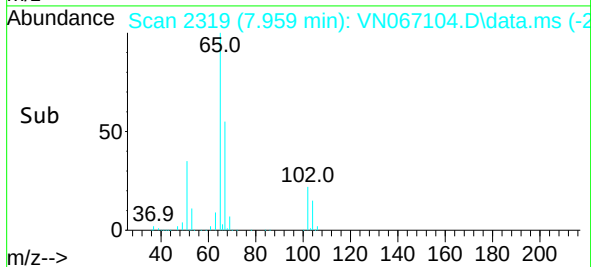
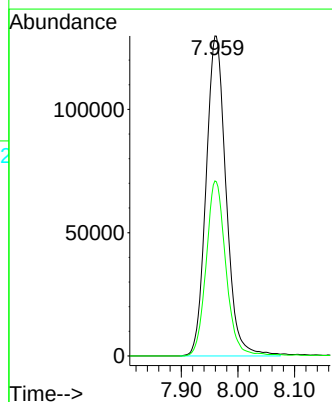
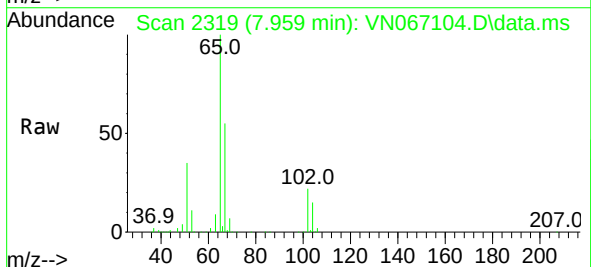


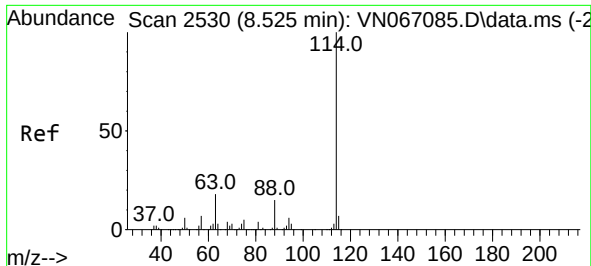
Tgt Ion: 56 Resp: 10184
Ion Ratio Lower Upper
56 100
69 173.1 28.0 42.0#
84 164.8 74.2 111.2#



#33
1,2-Dichloroethane-d4
Concen: 43.74 ug/l
RT: 7.959 min Scan# 2319
Delta R.T. 0.000 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion: 65 Resp: 317980
Ion Ratio Lower Upper
65 100
67 53.4 0.0 110.4

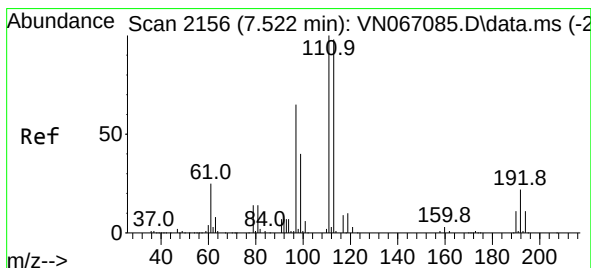
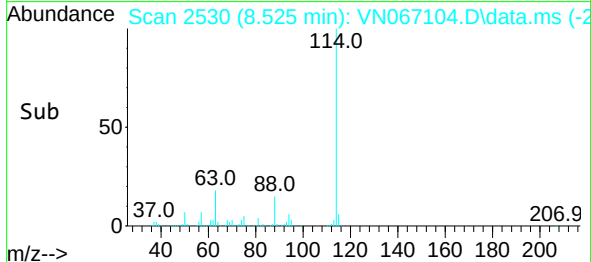
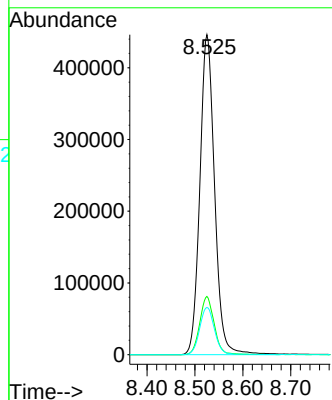
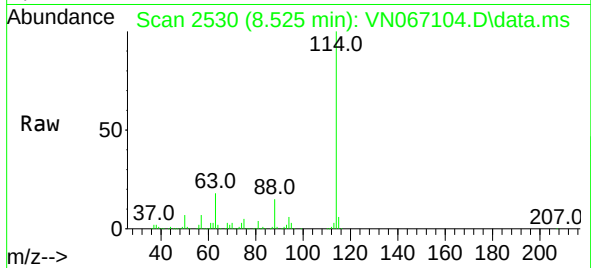




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.525 min Scan# 2530
Delta R.T. 0.000 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

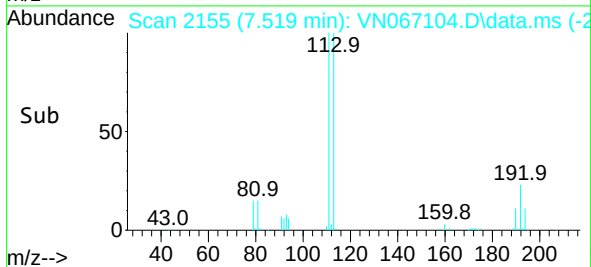
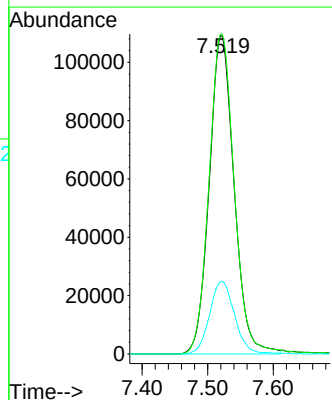
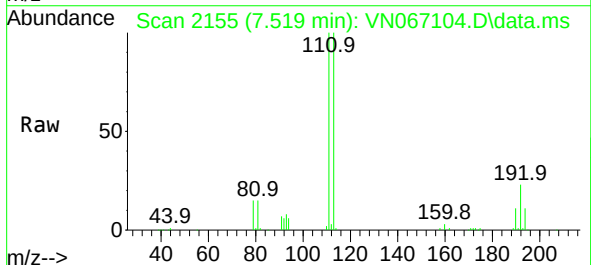
Instrument :
MSVOA_N
ClientSampled :

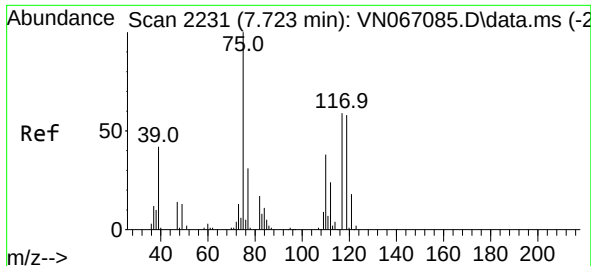
Tgt Ion:114 Resp: 957130
Ion Ratio Lower Upper
114 100
63 18.2 0.0 35.8
88 14.7 0.0 30.4



#35
Dibromofluoromethane
Concen: 45.59 ug/l
RT: 7.519 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion:113 Resp: 286514
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 22.7 18.2 27.4

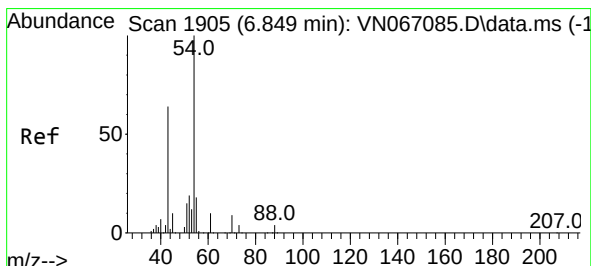
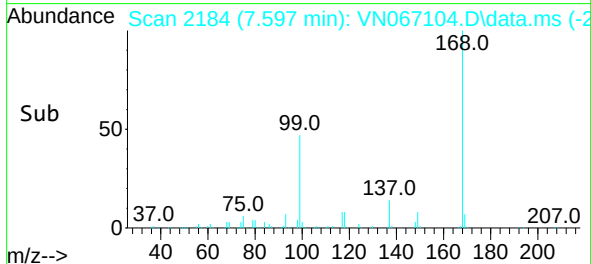
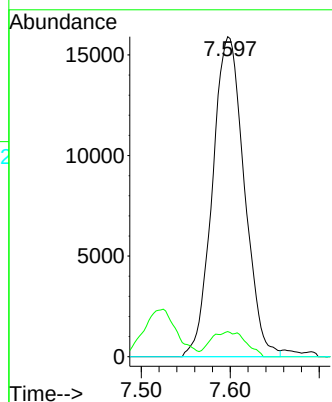
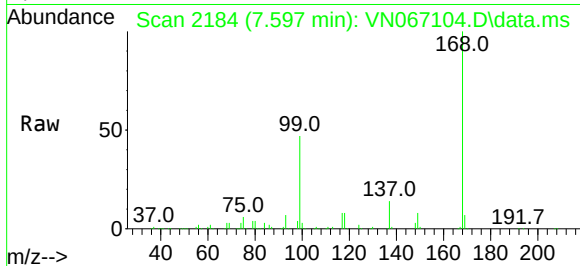




#36
1,1-Dichloropropene
Concen: 4.52 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

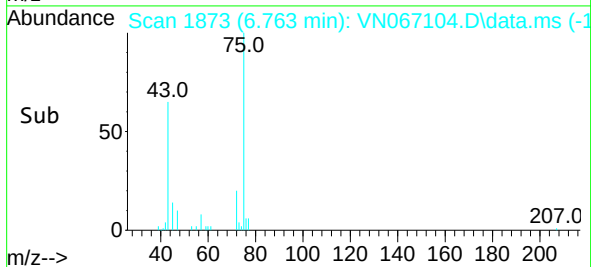
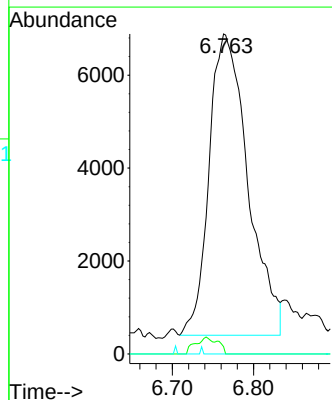
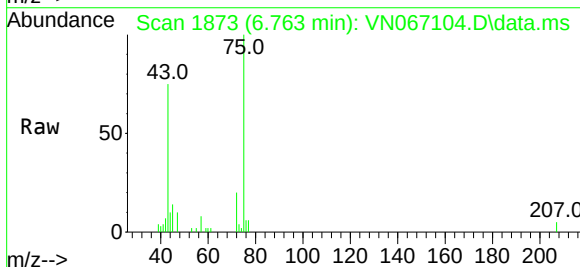
Instrument :
MSVOA_N
ClientSampled :

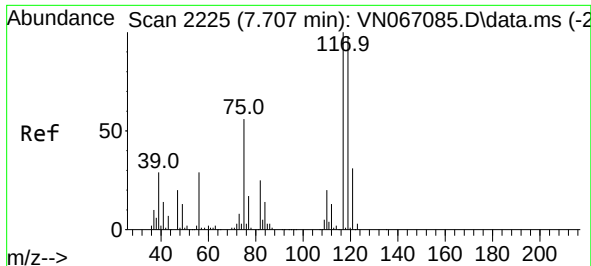
Tgt Ion: 75 Resp: 39452
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 2.79 ug/l
RT: 6.763 min Scan# 1873
Delta R.T. -0.086 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

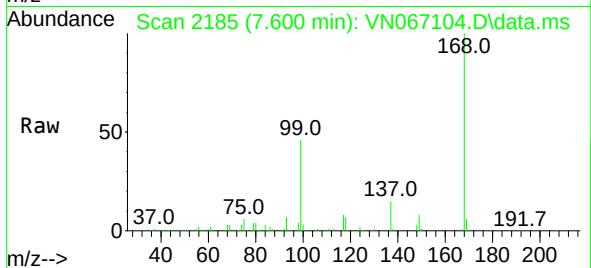
Tgt Ion: 43 Resp: 21533
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 9.2 13.8#



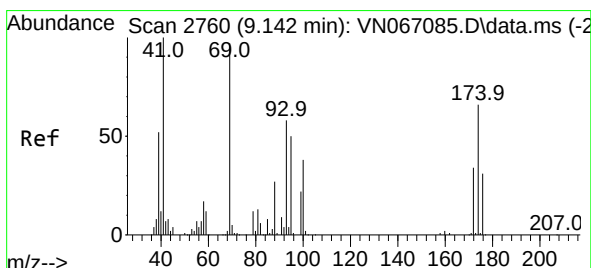
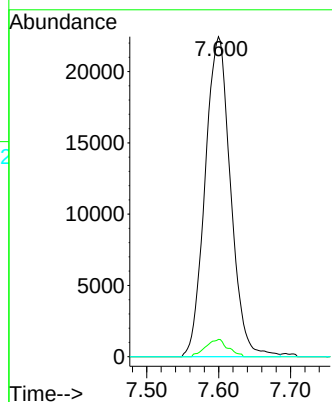
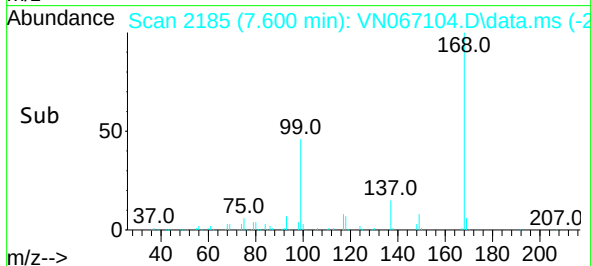


#38
Carbon Tetrachloride
Concen: 5.95 ug/l
RT: 7.600 min Scan# 2185
Delta R.T. -0.107 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

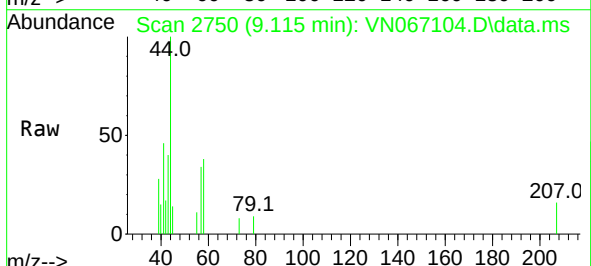
Instrument :
MSVOA_N
ClientSampled :



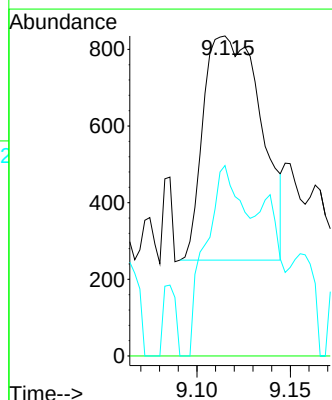
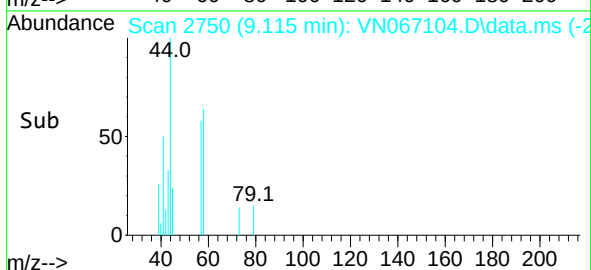
Tgt Ion: 117 Resp: 55315
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.7 37.1#

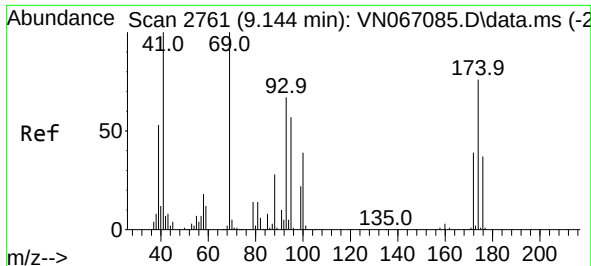


#48
Methyl methacrylate
Concen: 2.14 ug/l
RT: 9.115 min Scan# 2750
Delta R.T. -0.027 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14



Tgt Ion: 41 Resp: 1254
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 57.0 41.4 62.0





#49

1,4-Dioxane

Concen: 0.61 ug/l

RT: 9.171 min Scan# 2771

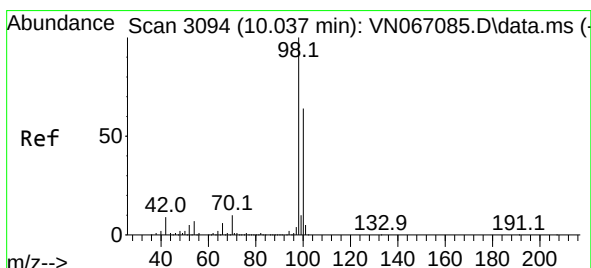
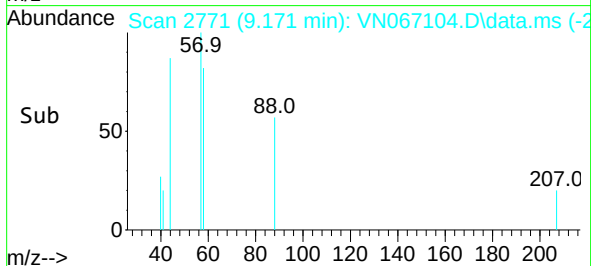
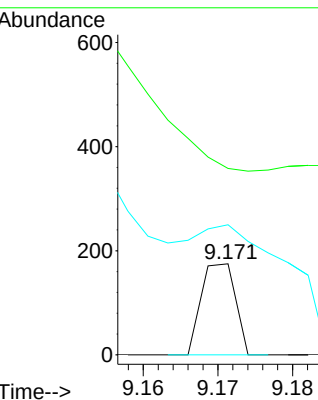
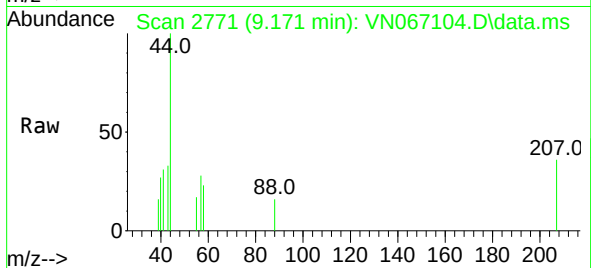
Delta R.T. 0.027 min

Lab File: VN067104.D

Acq: 17 May 2021 16:14

Tgt Ion: 88	Resp: 56
Ion Ratio	Lower Upper
88 100	
43 0.0	21.8 32.8#
58 0.0	50.8 76.2#

Instrument :
MSVOA_N
ClientSampleId :



#50

Toluene-d8

Concen: 47.18 ug/l

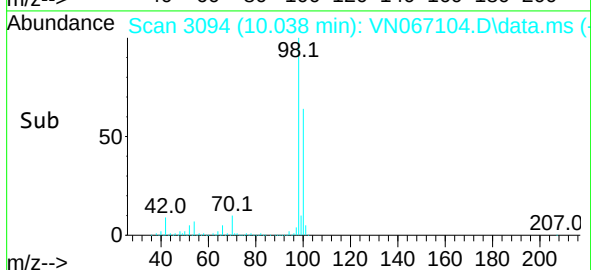
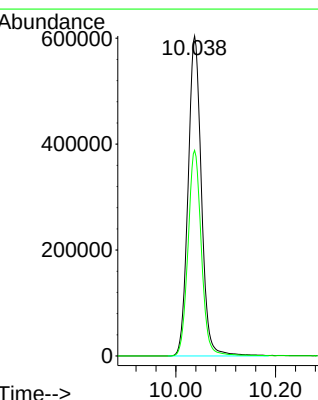
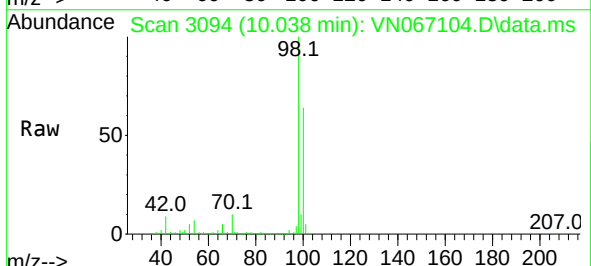
RT: 10.038 min Scan# 3094

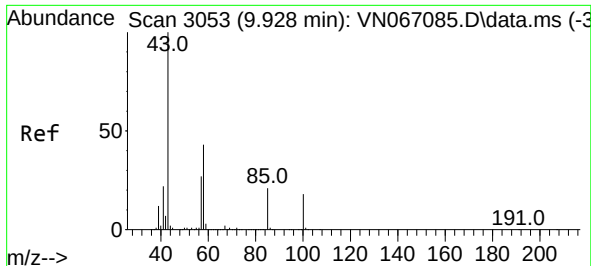
Delta R.T. 0.001 min

Lab File: VN067104.D

Acq: 17 May 2021 16:14

Tgt Ion: 98	Resp: 1123838
Ion Ratio	Lower Upper
98 100	
100 64.3	51.8 77.8

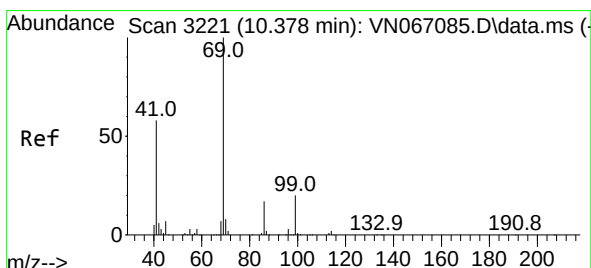
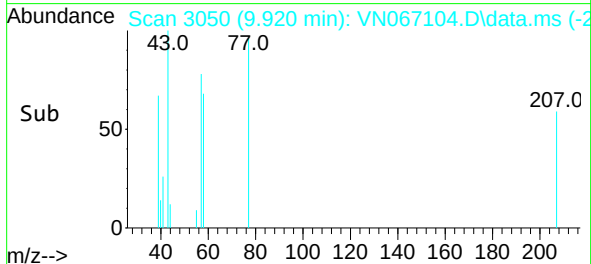
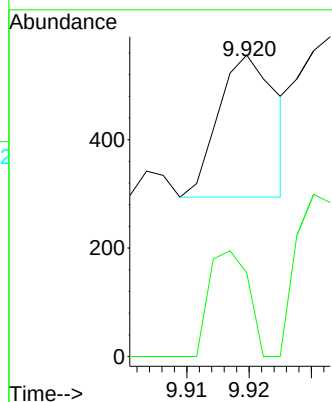
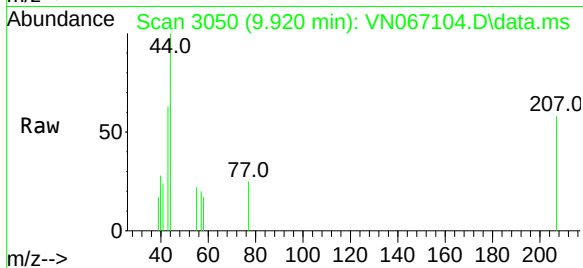




#51
4-Methyl-2-Pentanone
Concen: 5.42 ug/l
RT: 9.920 min Scan# 3050
Delta R.T. -0.008 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

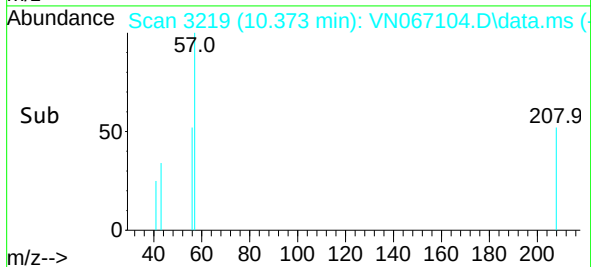
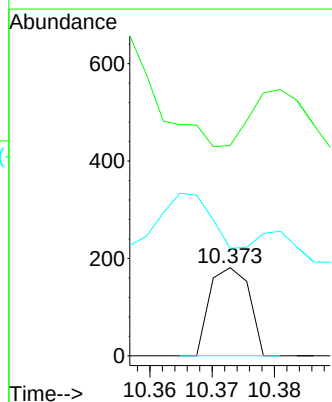
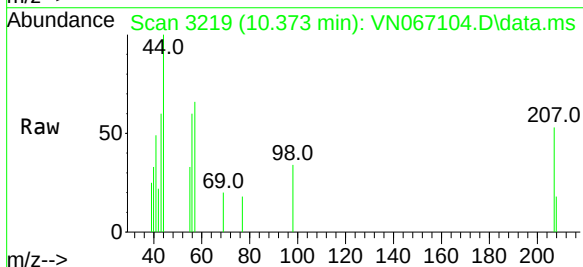
Instrument :
MSVOA_N
ClientSampled :

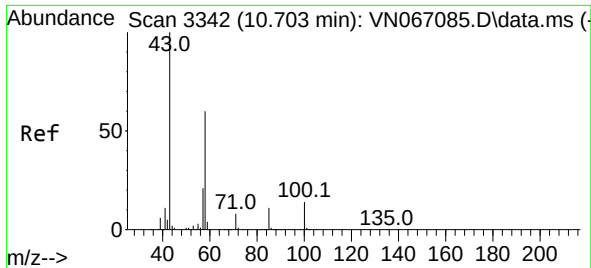
Tgt Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
58 0.0 34.5 51.7#



#56
Ethyl methacrylate
Concen: 1.95 ug/l
RT: 10.373 min Scan# 3219
Delta R.T. -0.005 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion: 69 Resp: 80
Ion Ratio Lower Upper
69 100
41 325.0 45.5 68.3#
39 0.0 22.9 34.3#

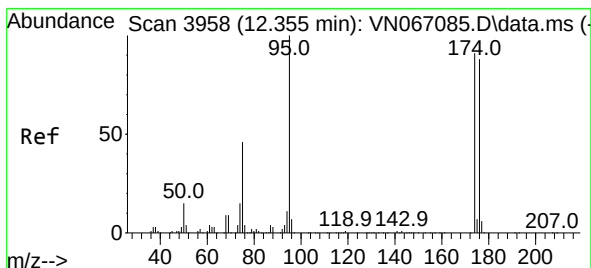
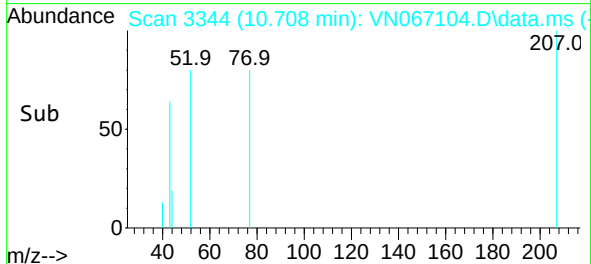
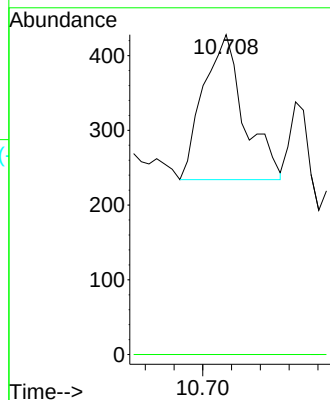
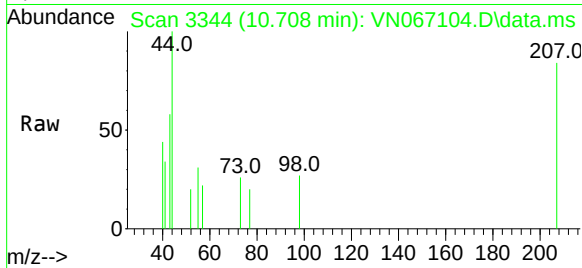




#59
2-Hexanone
Concen: 21.95 ug/l
RT: 10.708 min Scan# 3344
Delta R.T. 0.005 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

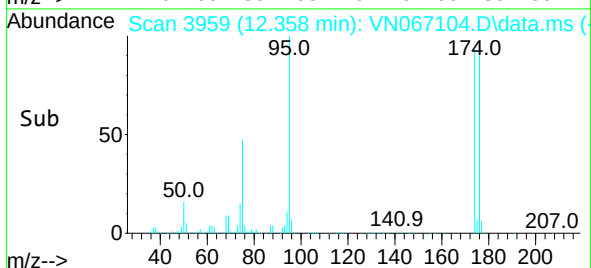
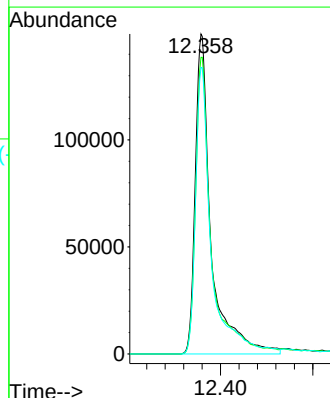
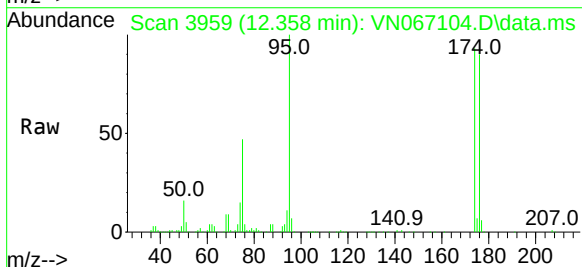
Instrument :
MSVOA_N
ClientSampled :

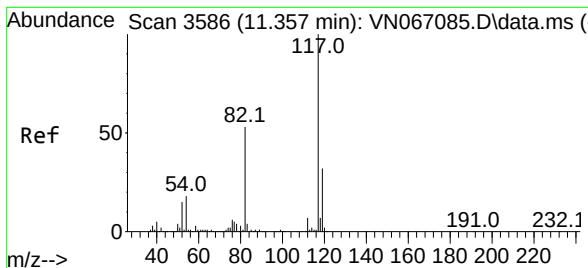
Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
58 0.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 44.86 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.003 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion: 95 Resp: 357959
Ion Ratio Lower Upper
95 100
174 90.1 0.0 182.8
176 87.1 0.0 176.6

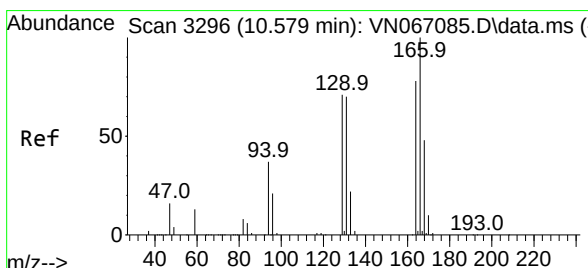
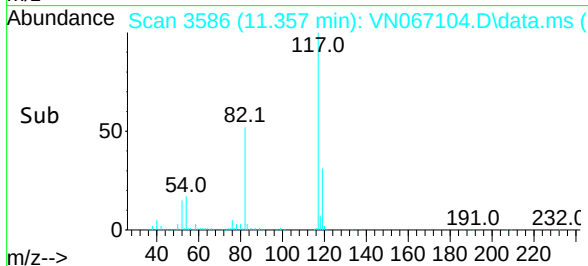
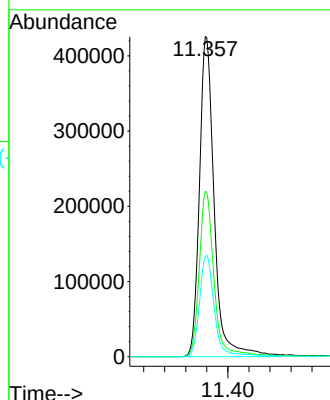
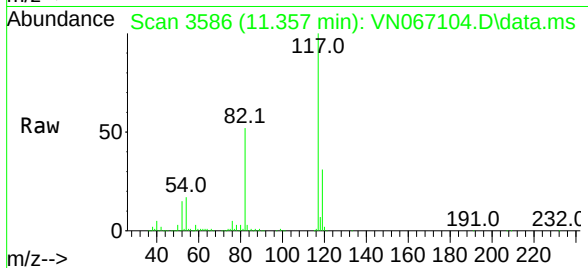




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. 0.000 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

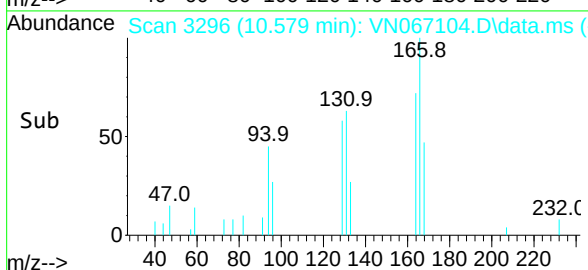
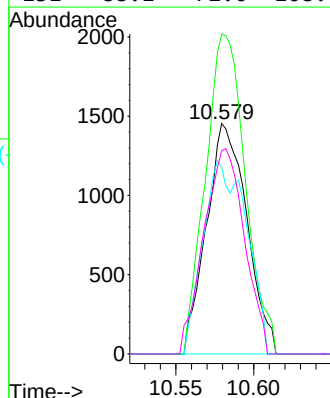
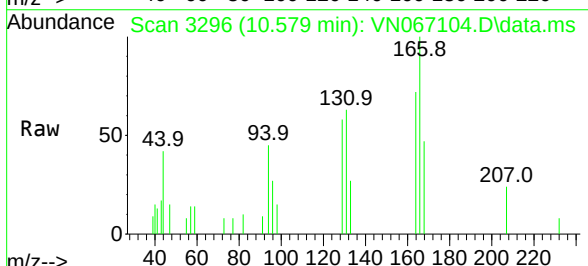
Instrument :
MSVOA_N
ClientSampleId :

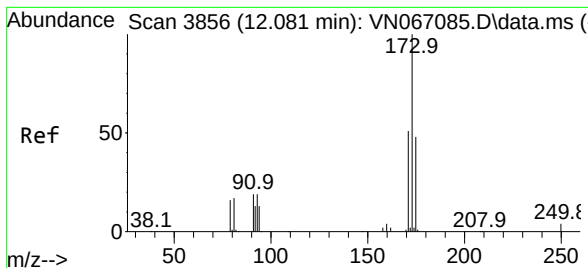
Tgt Ion:117 Resp: 831115
Ion Ratio Lower Upper
117 100
82 51.6 42.2 63.2
119 31.3 25.8 38.6



#64
Tetrachloroethene
Concen: 0.36 ug/l
RT: 10.579 min Scan# 3296
Delta R.T. 0.000 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion:164 Resp: 2617
Ion Ratio Lower Upper
164 100
166 138.9 103.0 154.6
129 80.9 73.3 109.9
131 88.1 72.0 108.0

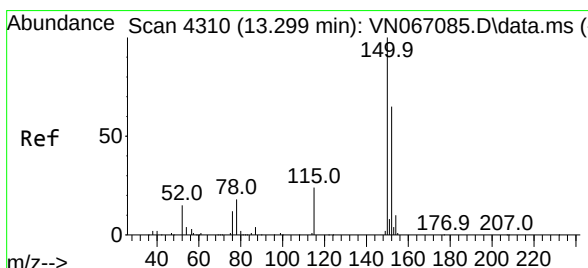
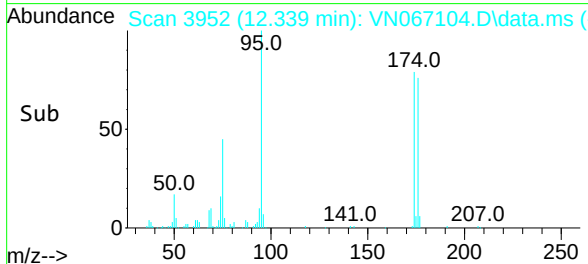
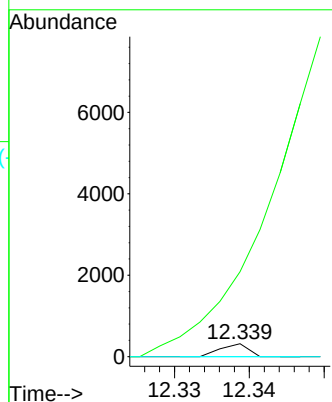
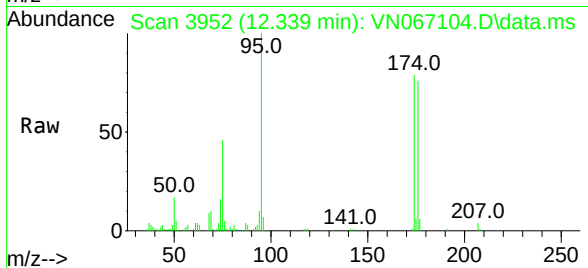




#71
Bromoform
Concen: 1.78 ug/l
RT: 12.339 min Scan# 3952
Delta R.T. 0.258 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

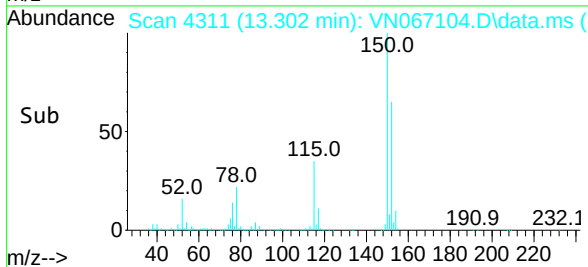
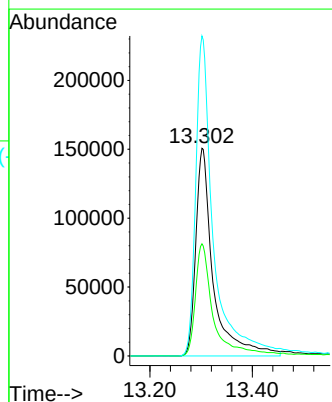
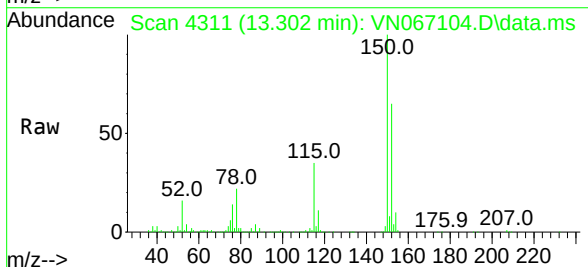
Instrument :
MSVOA_N
ClientSampled :

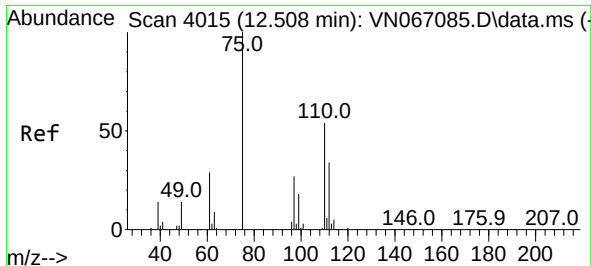
Tgt Ion:173 Resp: 82
Ion Ratio Lower Upper
173 100
175 19211.0 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.302 min Scan# 4311
Delta R.T. 0.003 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion:152 Resp: 357656
Ion Ratio Lower Upper
152 100
115 54.4 27.0 80.8
150 154.5 0.0 350.2

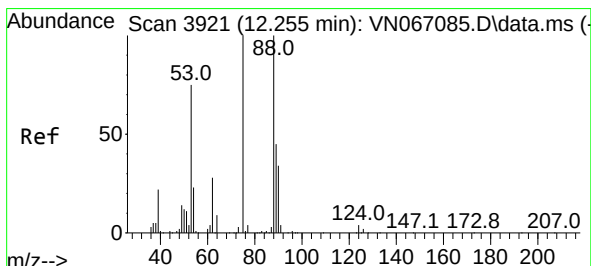
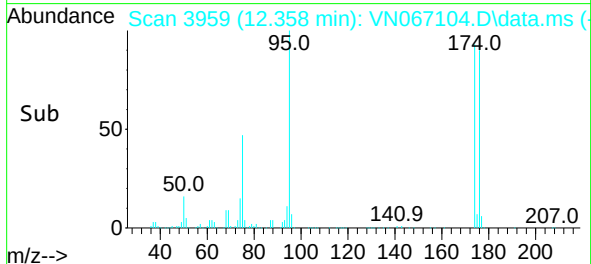
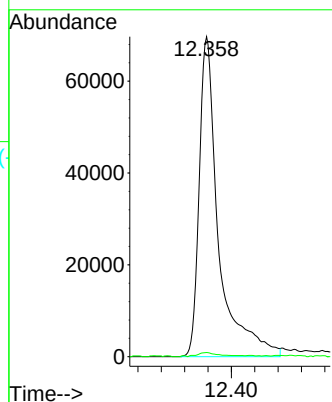
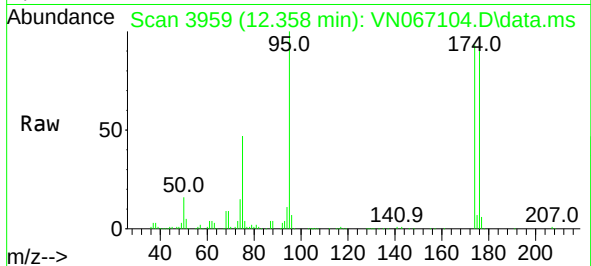




#76
1,2,3-Trichloropropane
Concen: 21.32 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. -0.150 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

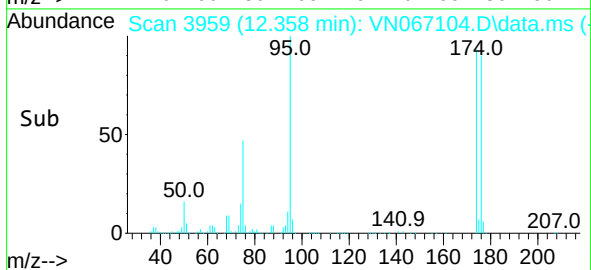
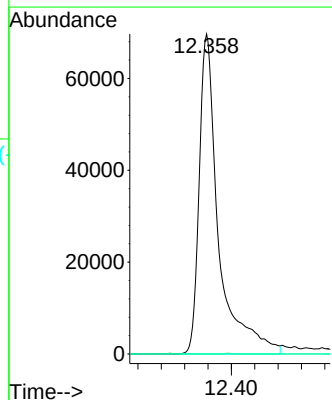
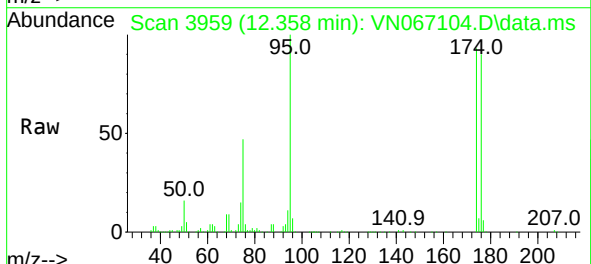
Instrument :
MSVOA_N
ClientSampled :

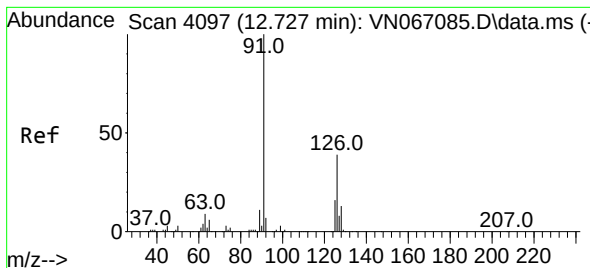
Tgt Ion: 75 Resp: 160937
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.21 ug/l
RT: 12.358 min Scan# 3959
Delta R.T. 0.103 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion: 75 Resp: 160937
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.0 39.5 59.3#

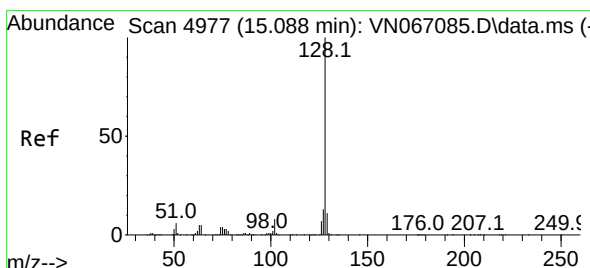
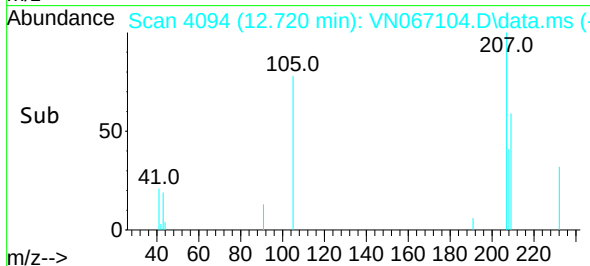
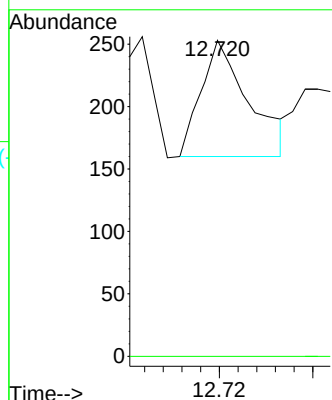
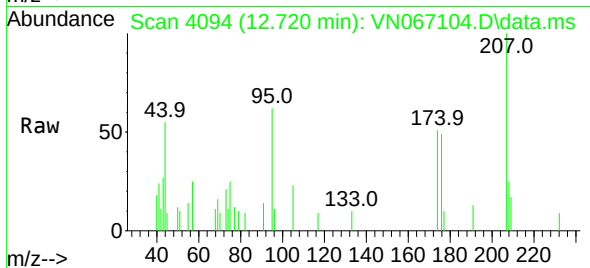




#82
4-Chlorotoluene
Concen: 1.18 ug/l
RT: 12.720 min Scan# 4094
Delta R.T. -0.007 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 66
Ion Ratio Lower Upper
91 100
126 0.0 17.7 53.1#



#95
Naphthalene
Concen: 5.33 ug/l
RT: 15.101 min Scan# 4982
Delta R.T. 0.013 min
Lab File: VN067104.D
Acq: 17 May 2021 16:14

Tgt Ion: 128 Resp: 33689
Ion Ratio Lower Upper
128 100
127 6.3 10.2 15.2#
129 11.1 8.6 13.0

