

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067382.D
 Acq On : 17 Jun 2021 17:26
 Operator : JC/MD
 Sample : PB137179TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 05:11:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

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

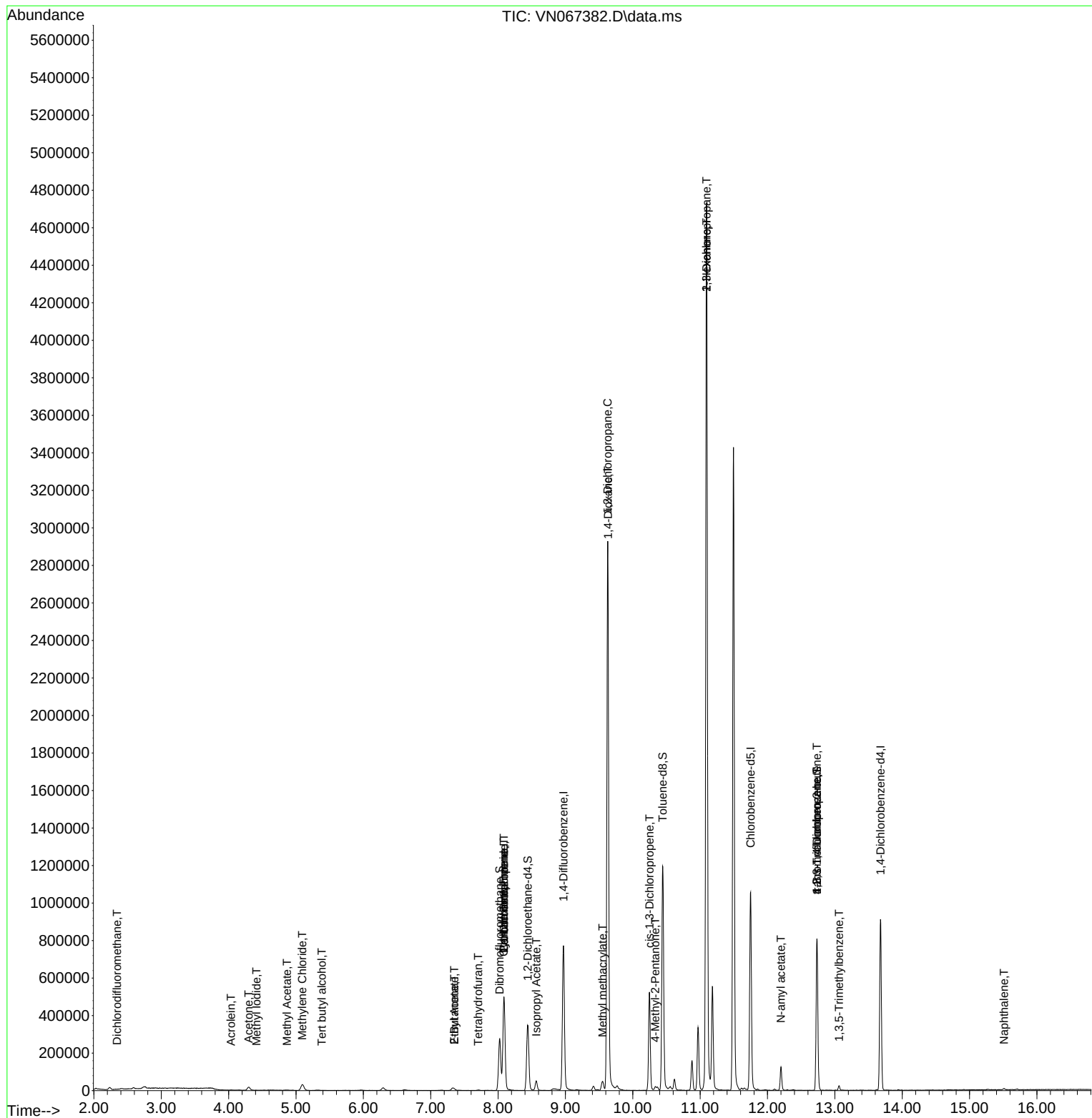
Internal Standards						
1) Pentafluorobenzene	8.088	168	315034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	628812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	564712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	205656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	310452	49.954	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.900%		
35) Dibromofluoromethane	8.024	113	194345	46.471	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.940%		
50) Toluene-d8	10.443	98	824318	51.426	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.860%		
62) 4-Bromofluorobenzene	12.733	95	301159	45.526	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.060%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.344	85	25	1.331	ug/l #	43
10) Methyl Iodide	4.414	142	221	6.791	ug/l #	33
11) Tert butyl alcohol	5.382	59	236	0.231	ug/l #	71
13) Acrolein	4.033	56	953	1.492	ug/l #	64
16) Acetone	4.296	43	31949	13.396	ug/l	98
18) Methyl Acetate	4.867	43	4383	0.758	ug/l #	62
20) Methylene Chloride	5.093	84	24144	4.866	ug/l	88
25) 2-Butanone	7.351	43	7701	2.260	ug/l	92
29) Tetrahydrofuran	7.705	42	2336	1.087	ug/l #	49
31) Cyclohexane	8.083	56	11465	1.357	ug/l #	17
36) 1,1-Dichloropropene	8.088	75	37203	5.277	ug/l #	45
37) Ethyl Acetate	7.351	43	7701	1.031	ug/l #	72
38) Carbon Tetrachloride	8.086	117	40201	5.306	ug/l #	16
43) Isopropyl Acetate	8.568	43	60114	4.484	ug/l #	91
45) 1,2-Dichloropropane	9.625	63	3642	0.694	ug/l #	44
48) Methyl methacrylate	9.553	41	12129	1.984	ug/l #	12
49) 1,4-Dioxane	9.633	88	187	2.235	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	9913	1.284	ug/l #	83
54) cis-1,3-Dichloropropene	10.247	75	92892	10.364	ug/l #	58
57) 1,3-Dichloropropane	11.095	76	49594	5.676	ug/l #	43
59) 2-Hexanone	11.095	43	799105	141.324	ug/l #	53
74) N-amyl acetate	12.197	43	40148	4.167	ug/l #	57
76) 1,2,3-Trichloropropane	12.733	75	176148	32.983	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.063	105	11865	0.714	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.733	75	176148	81.743	ug/l #	6
95) Naphthalene	15.509	128	5721	3.042	ug/l #	87

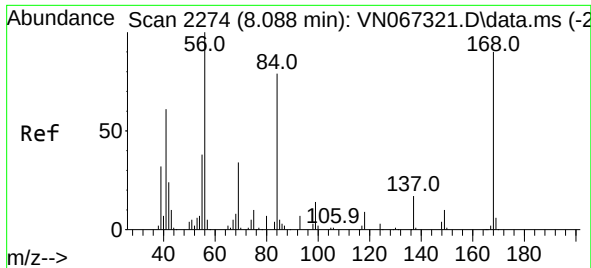
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

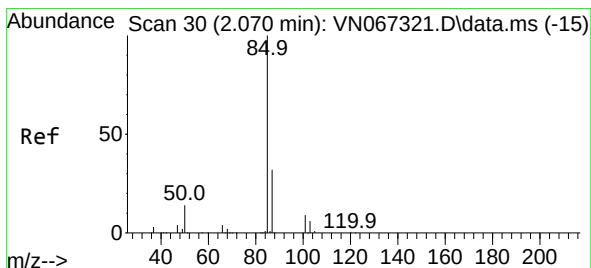
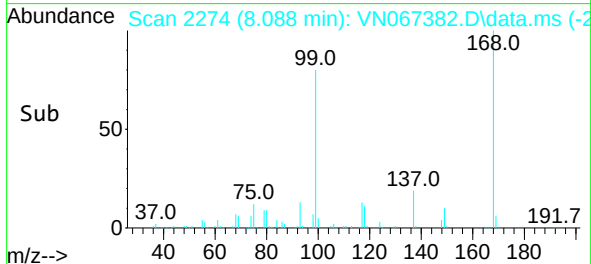
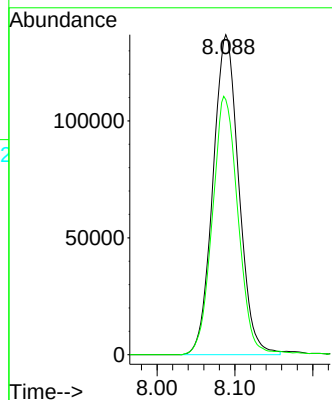
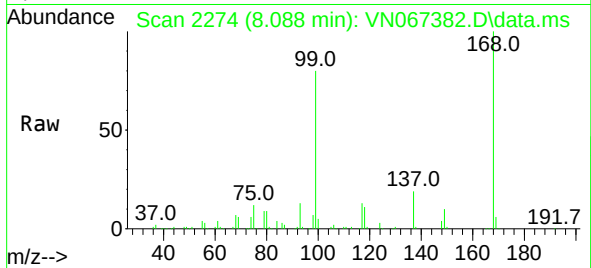




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

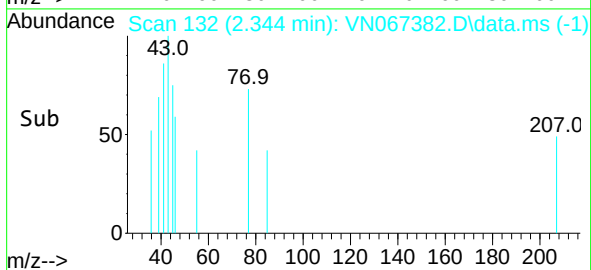
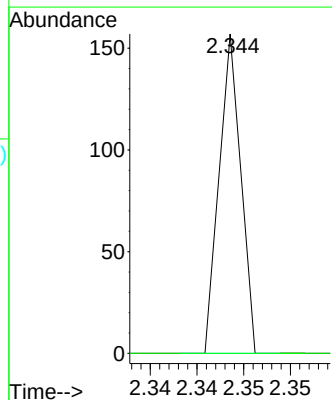
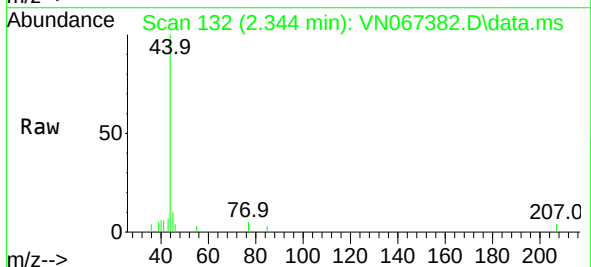
Instrument :
MSVOA_N
ClientSampled :

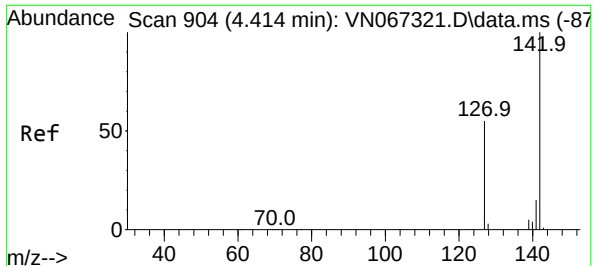
Tgt Ion:168 Resp: 315034
Ion Ratio Lower Upper
168 100
99 79.7 62.9 94.3



#2
Dichlorodifluoromethane
Concen: 1.331 ug/l
RT: 2.344 min Scan# 132
Delta R.T. 0.274 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Tgt Ion: 85 Resp: 25
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

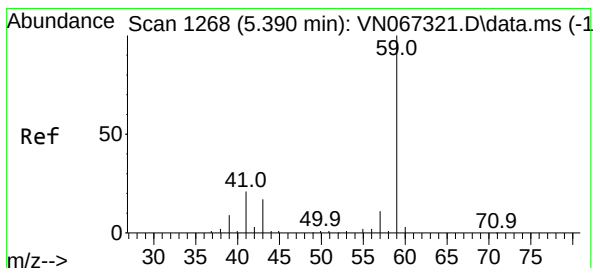
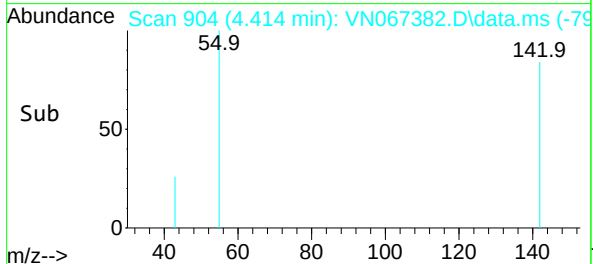
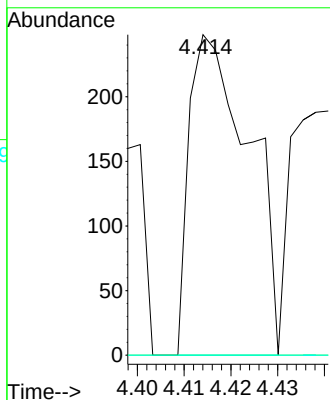
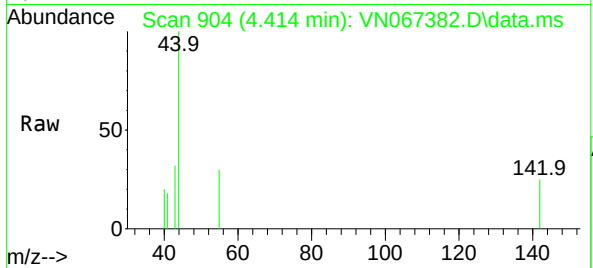




#10
Methyl Iodide
Concen: 6.791 ug/l
RT: 4.414 min Scan# 904
Delta R.T. 0.000 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

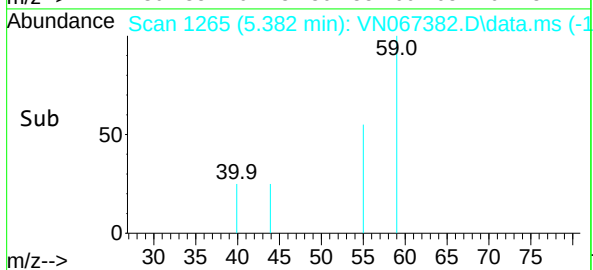
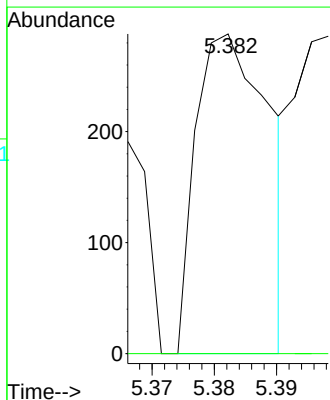
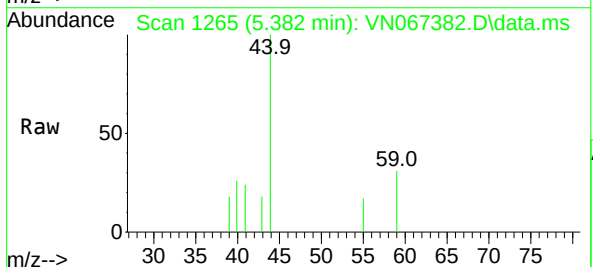
Instrument :
MSVOA_N
ClientSampled :

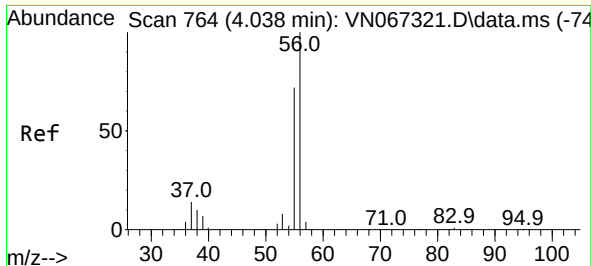
Tgt Ion:142 Resp: 221
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.231 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.008 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Tgt Ion: 59 Resp: 236
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

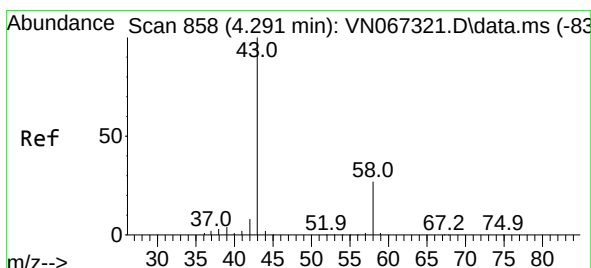
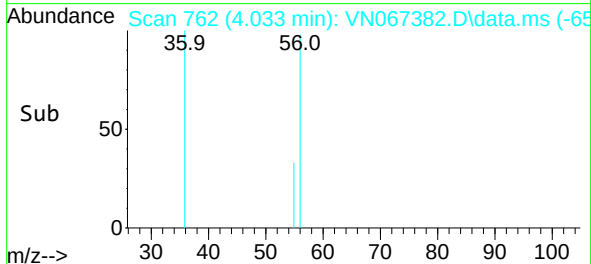
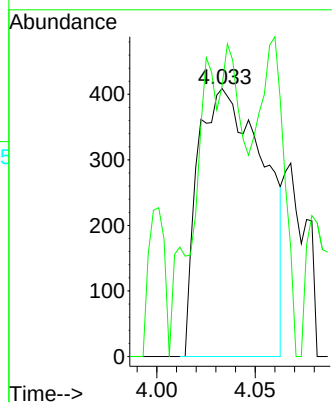
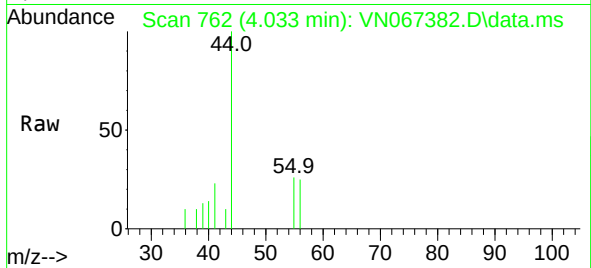




#13
Acrolein
Concen: 1.492 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

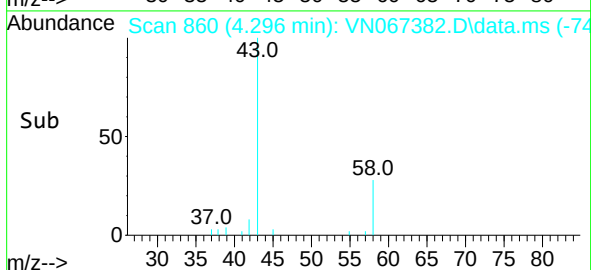
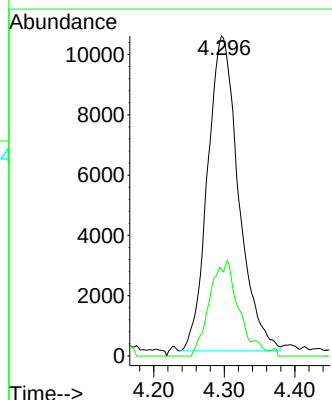
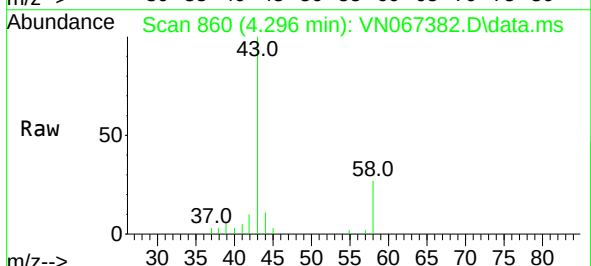
Instrument :
MSVOA_N
ClientSampled :

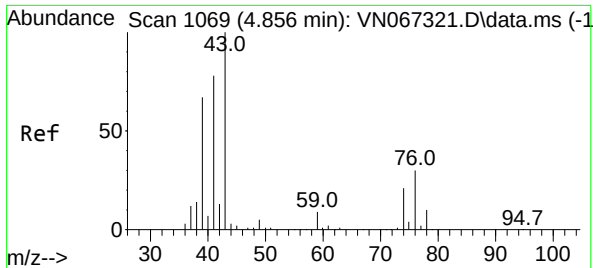
Tgt Ion: 56 Resp: 953
Ion Ratio Lower Upper
56 100
55 41.7 57.4 86.0#



#16
Acetone
Concen: 13.396 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Tgt Ion: 43 Resp: 31949
Ion Ratio Lower Upper
43 100
58 27.4 21.2 31.8

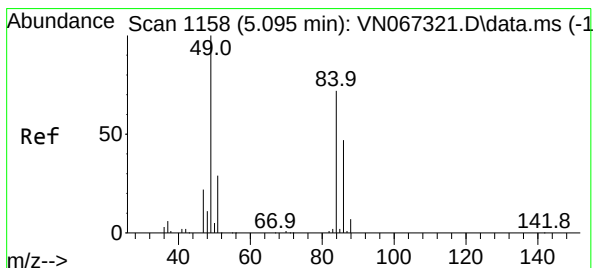
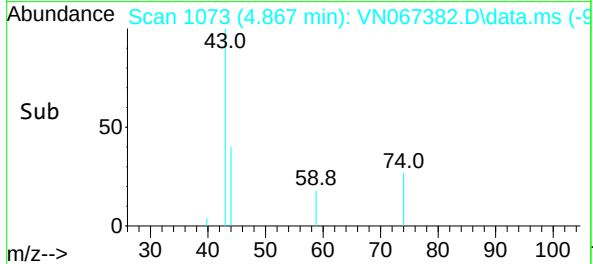
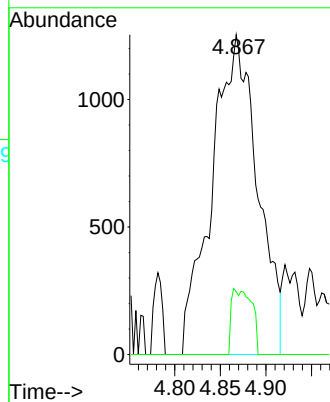
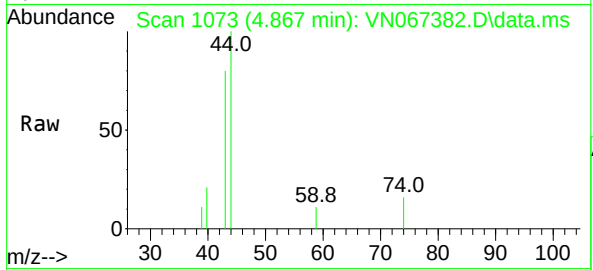




#18
Methyl Acetate
Concen: 0.758 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.011 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

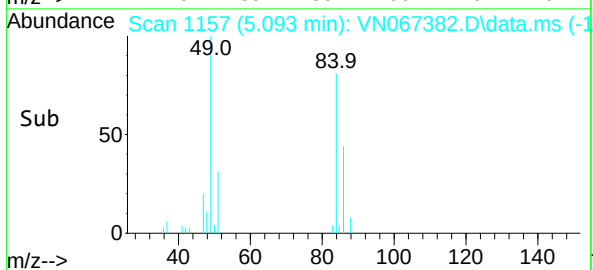
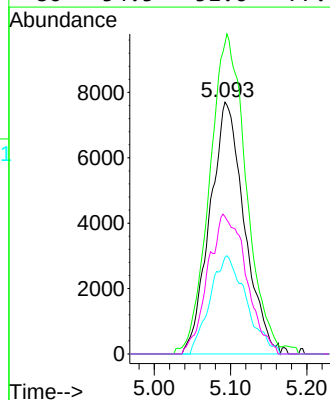
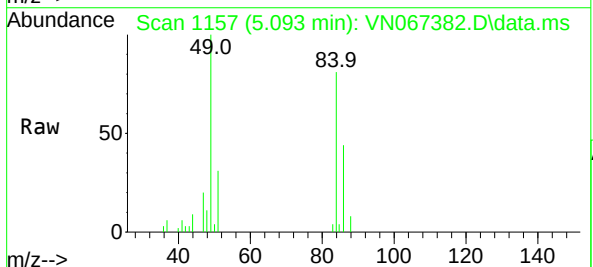
Instrument :
MSVOA_N
ClientSampled :

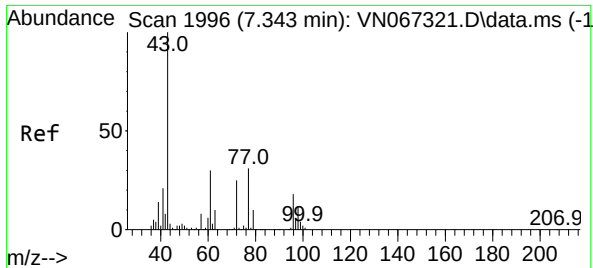
Tgt Ion: 43 Resp: 4383
Ion Ratio Lower Upper
43 100
74 3.5 17.4 26.0#



#20
Methylene Chloride
Concen: 4.866 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. -0.002 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

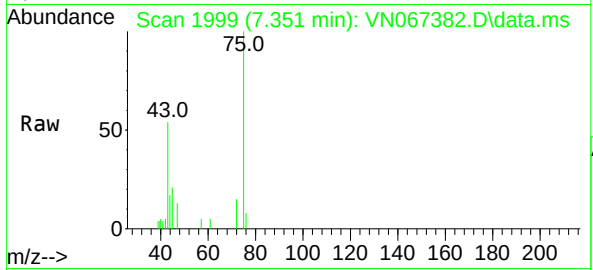
Tgt Ion: 84 Resp: 24144
Ion Ratio Lower Upper
84 100
49 121.2 110.9 166.3
51 38.4 32.6 49.0
86 54.5 51.6 77.4



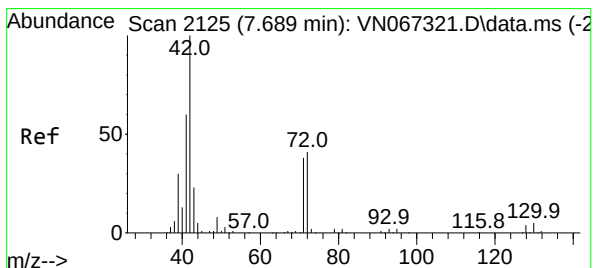
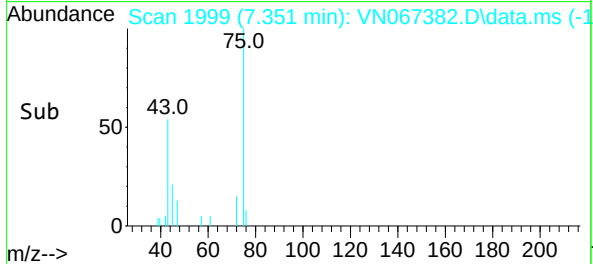
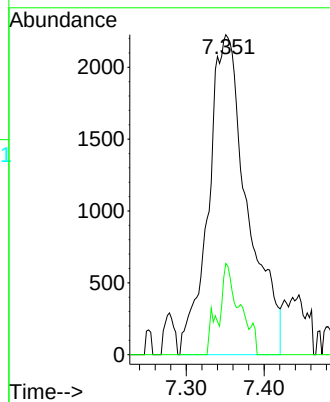


#25
2-Butanone
Concen: 2.260 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.008 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

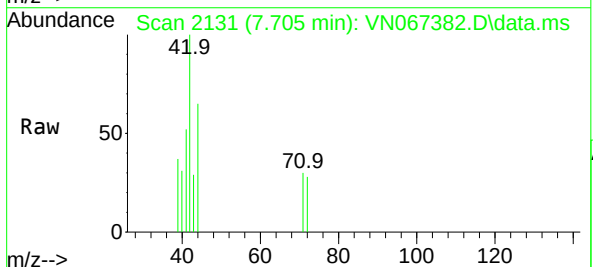
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MSVOA_N
ClientSampled :



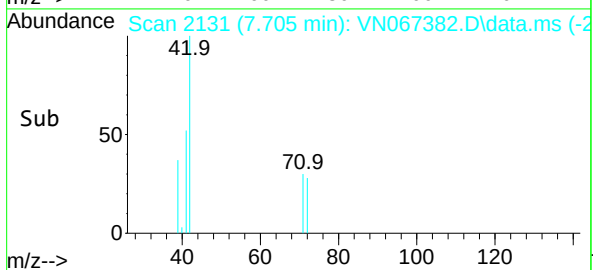
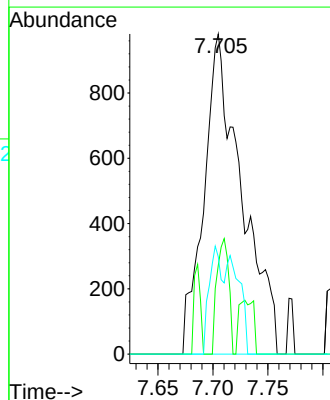
Tgt Ion: 43 Resp: 7701
Ion Ratio Lower Upper
43 100
72 28.5 19.7 29.5

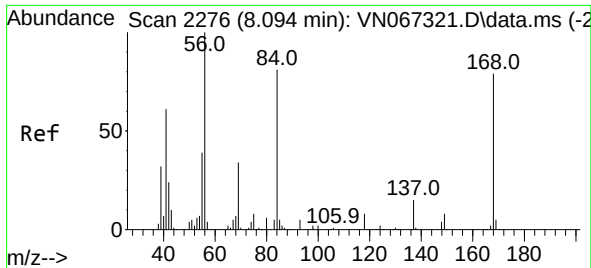


#29
Tetrahydrofuran
Concen: 1.087 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.016 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26



Tgt Ion: 42 Resp: 2336
Ion Ratio Lower Upper
42 100
72 4.7 32.8 49.2#
71 11.9 31.2 46.8#

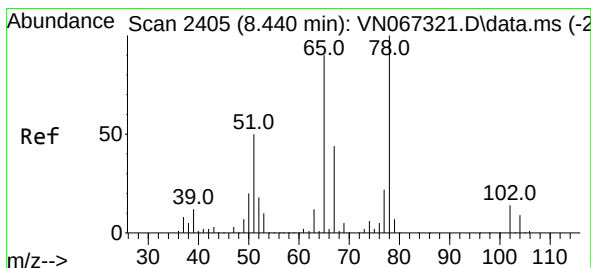
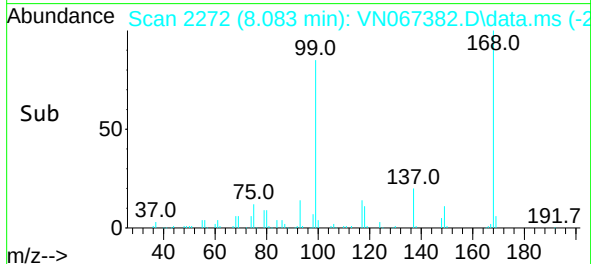
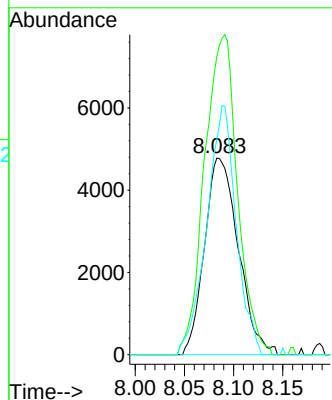
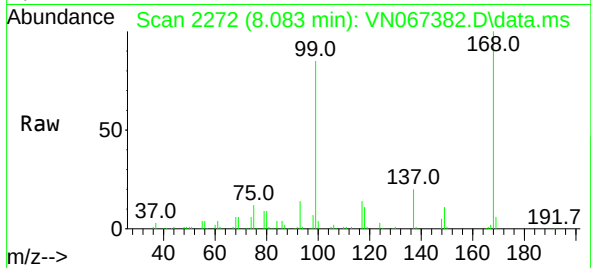




#31
Cyclohexane
Concen: 1.357 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

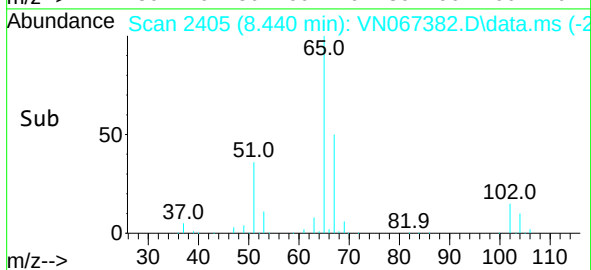
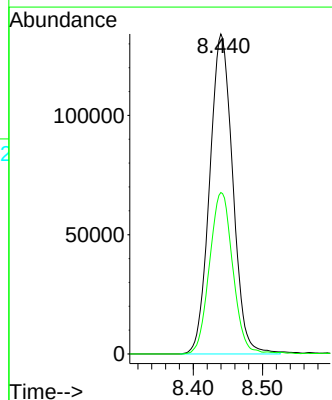
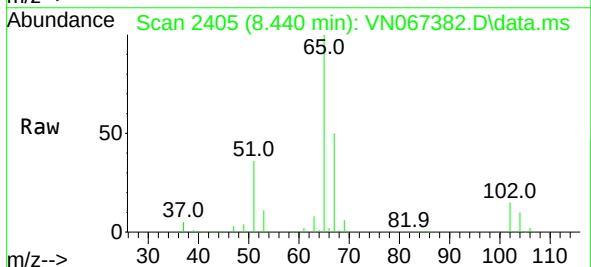
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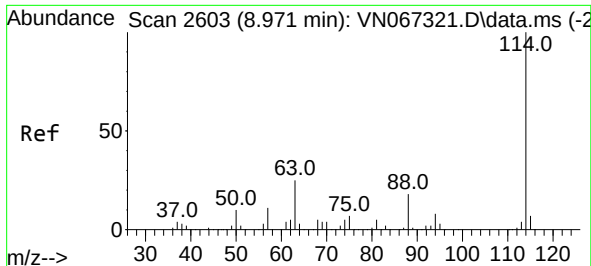
Tgt Ion: 56 Resp: 11465
Ion Ratio Lower Upper
56 100
69 151.7 27.3 40.9#
84 109.1 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 49.954 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Tgt Ion: 65 Resp: 310452
Ion Ratio Lower Upper
65 100
67 50.7 0.0 98.6

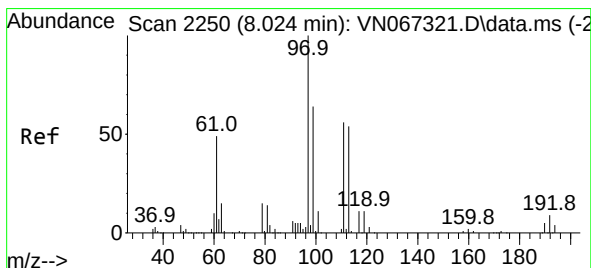
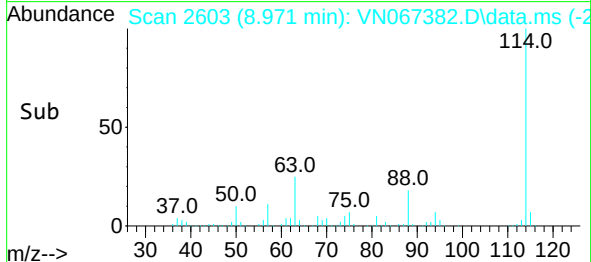
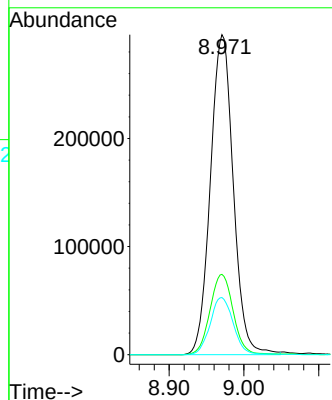
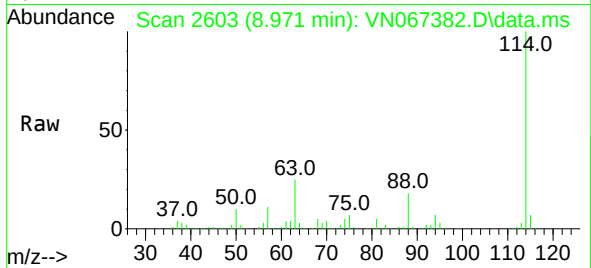




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

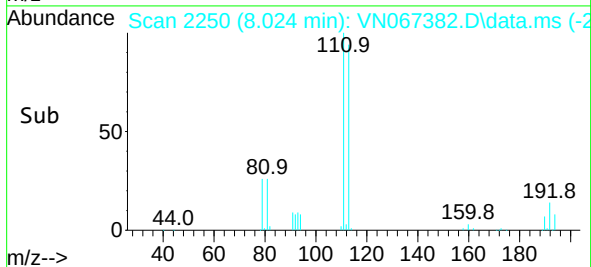
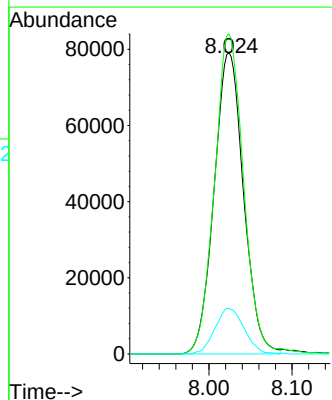
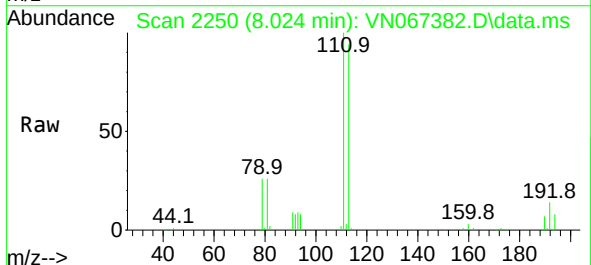
Instrument :
MSVOA_N
ClientSampled :

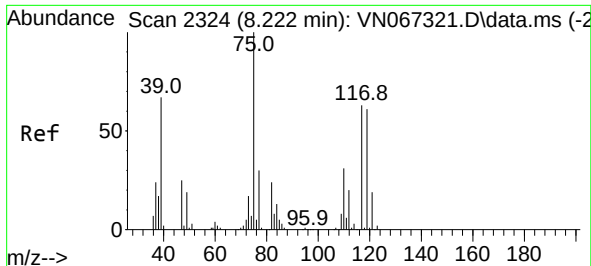
Tgt Ion:114 Resp: 628812
Ion Ratio Lower Upper
114 100
63 25.1 0.0 49.0
88 17.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.471 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Tgt Ion:113 Resp: 194345
Ion Ratio Lower Upper
113 100
111 105.4 83.8 125.8
192 15.1 13.4 20.0

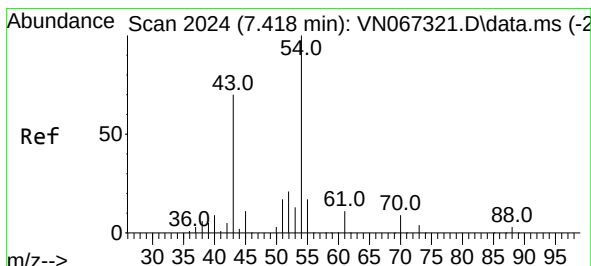
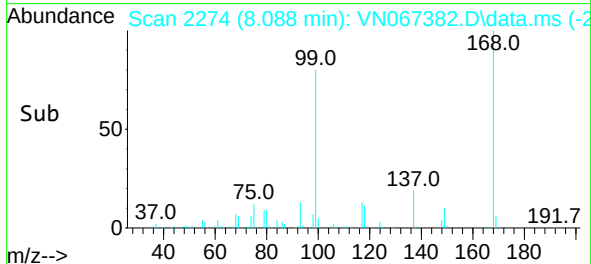
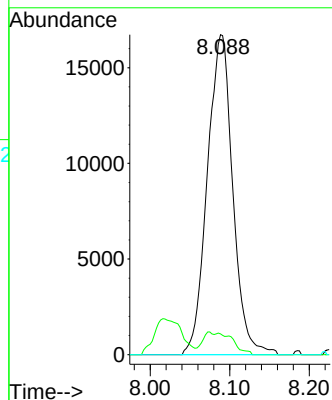
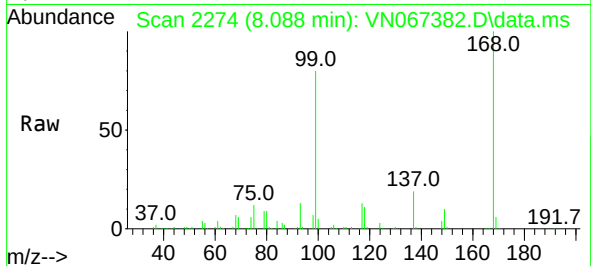




#36
1,1-Dichloropropene
Concen: 5.277 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

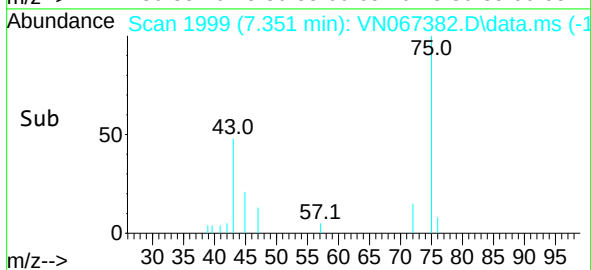
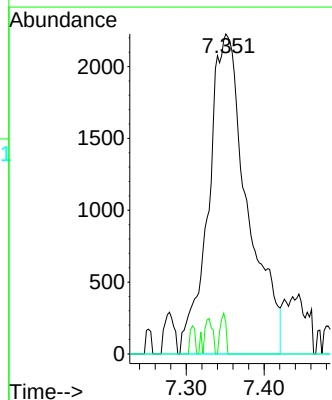
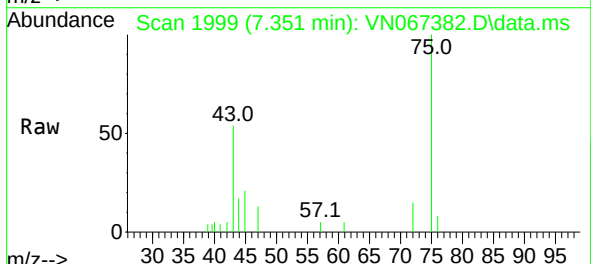
Instrument :
MSVOA_N
ClientSampleId :

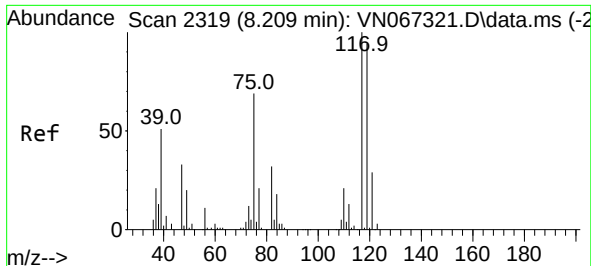
Tgt Ion: 75 Resp: 37203
Ion Ratio Lower Upper
75 100
110 2.1 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.031 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.067 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

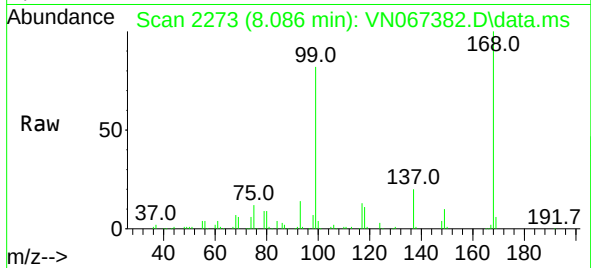
Tgt Ion: 43 Resp: 7701
Ion Ratio Lower Upper
43 100
61 1.9 10.6 16.0#
70 0.0 8.1 12.1#



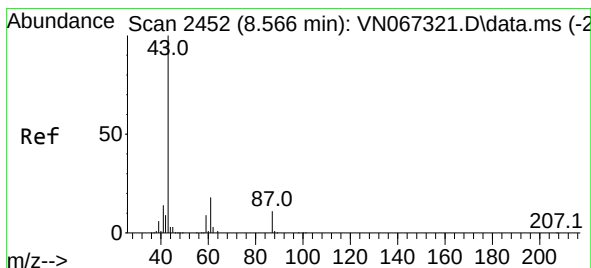
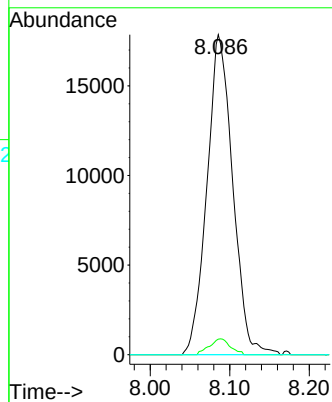
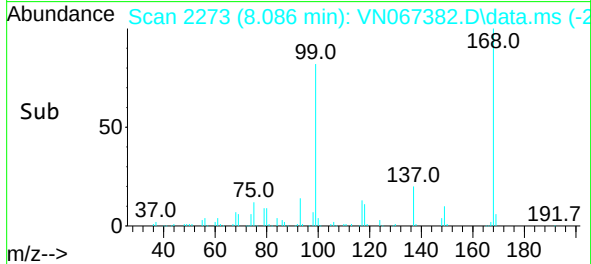


#38
Carbon Tetrachloride
Concen: 5.306 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

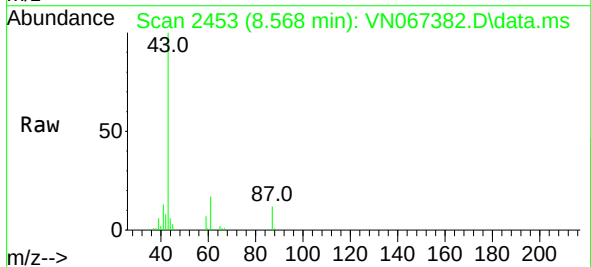
Instrument :
MSVOA_N
ClientSampleId :



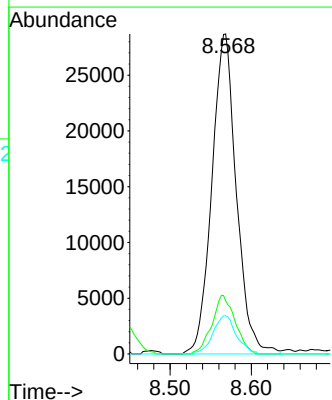
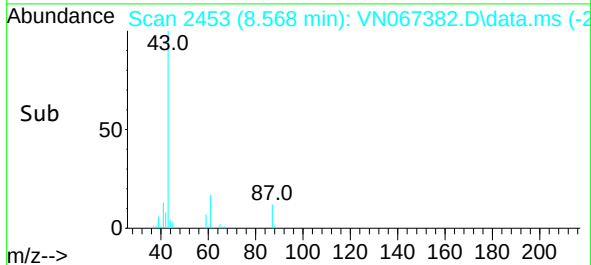
Tgt Ion:117 Resp: 40201
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 23.5 35.3#

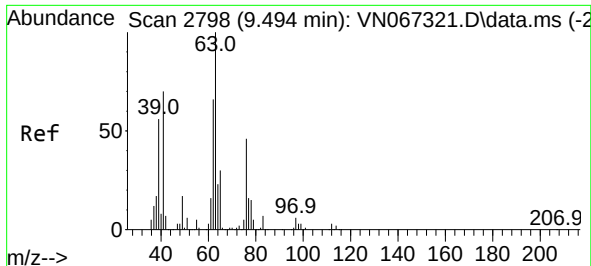


#43
Isopropyl Acetate
Concen: 4.484 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26



Tgt Ion: 43 Resp: 60114
Ion Ratio Lower Upper
43 100
61 17.4 19.0 28.4#
87 11.4 9.5 14.3



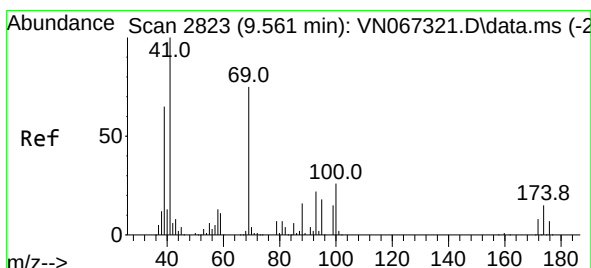
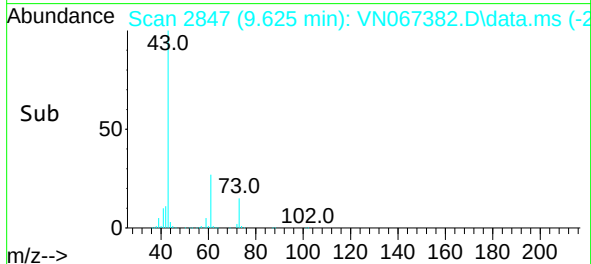
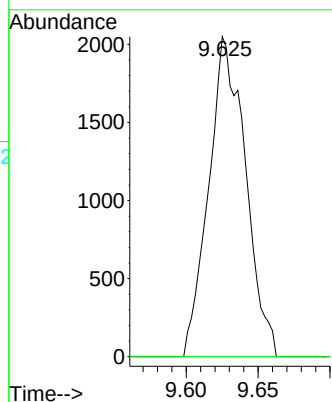
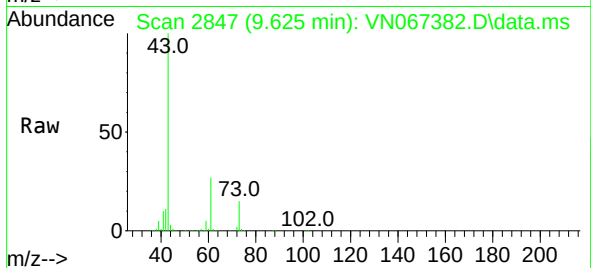


#45

1,2-Dichloropropane
Concen: 0.694 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.131 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Instrument :
MSVOA_N
ClientSampled :

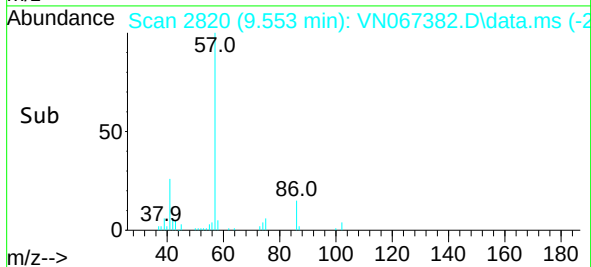
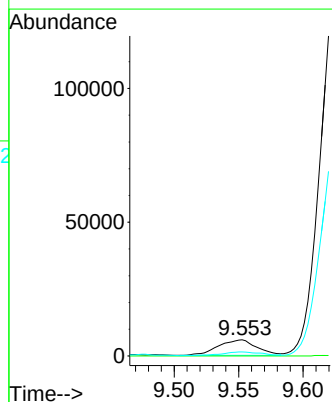
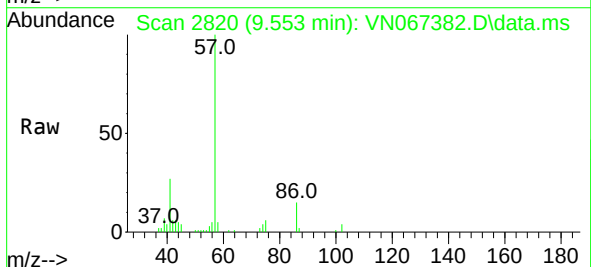
Tgt Ion: 63 Resp: 3642
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

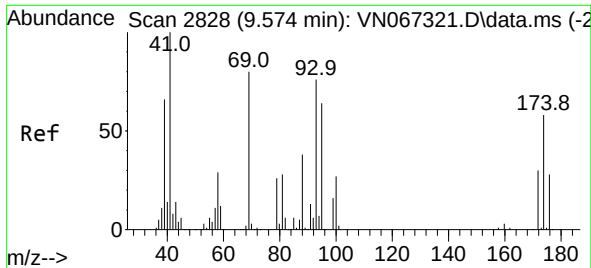


#48

Methyl methacrylate
Concen: 1.984 ug/l
RT: 9.553 min Scan# 2820
Delta R.T. -0.008 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

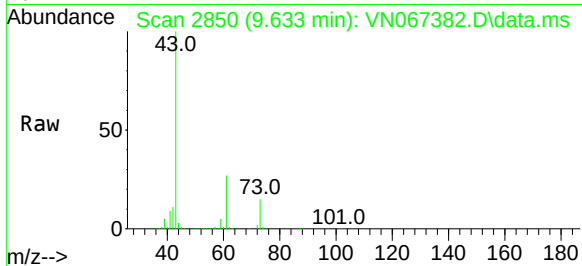
Tgt Ion: 41 Resp: 12129
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



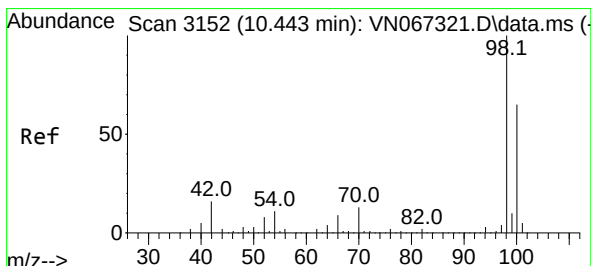
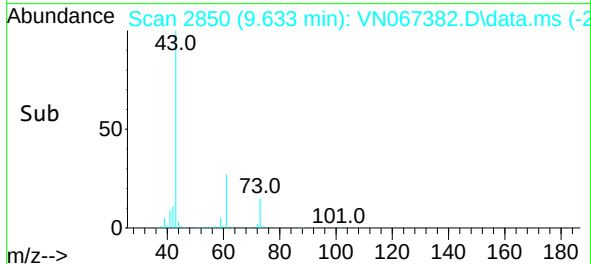
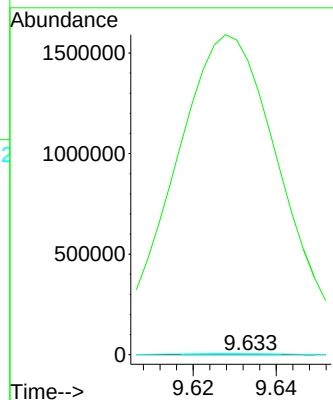


#49
1,4-Dioxane
Concen: 2.235 ug/l
RT: 9.633 min Scan# 2850
Delta R.T. 0.059 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Instrument :
MSVOA_N
ClientSampled :

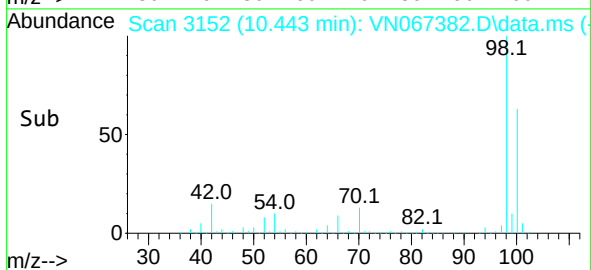
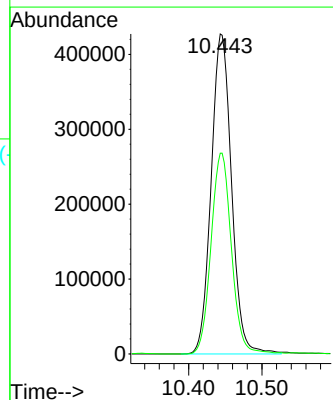
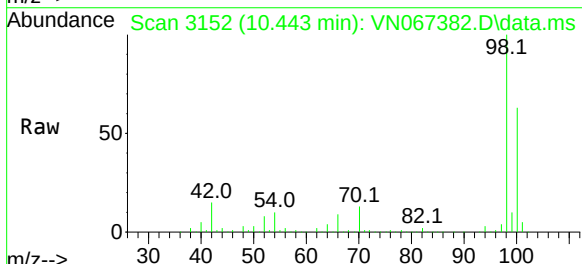


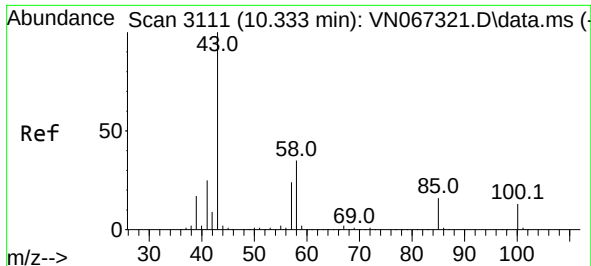
Tgt Ion: 88 Resp: 187
Ion Ratio Lower Upper
88 100
43 1612158.3 28.8 43.2#
58 5561.0 60.4 90.6#



#50
Toluene-d8
Concen: 51.426 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Tgt Ion: 98 Resp: 824318
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5

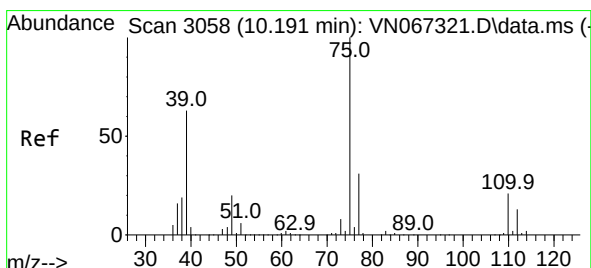
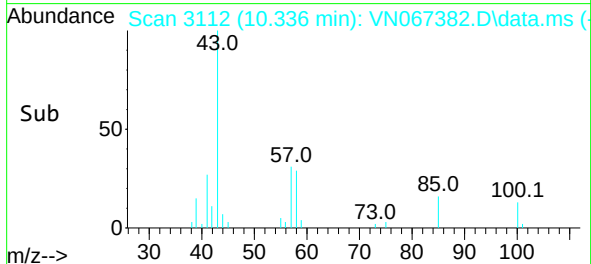
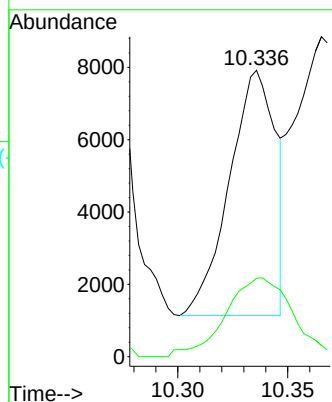
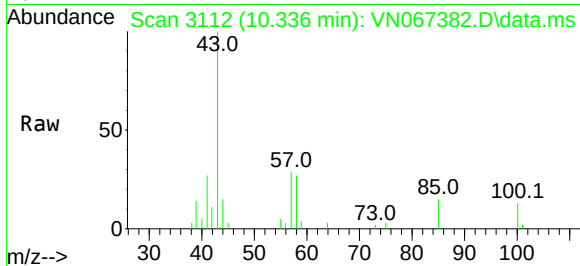




#51
4-Methyl-2-Pentanone
Concen: 1.284 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

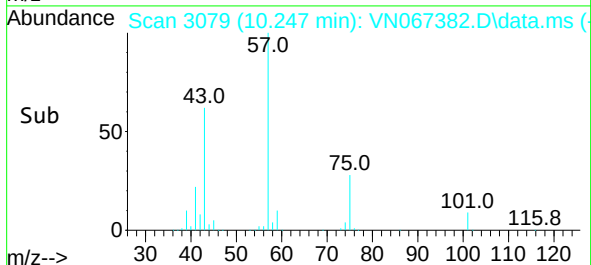
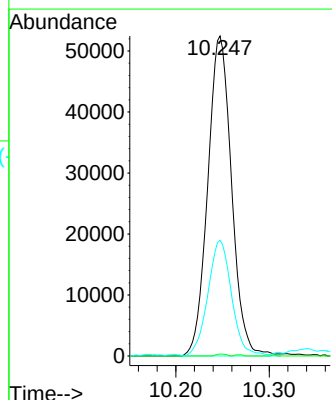
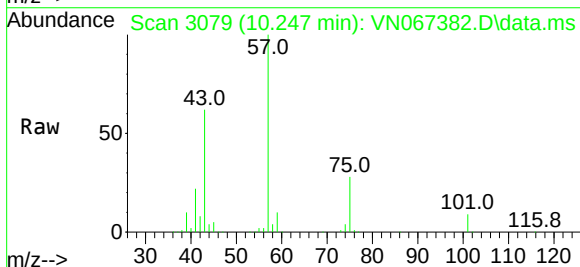
Instrument :
MSVOA_N
ClientSampled :

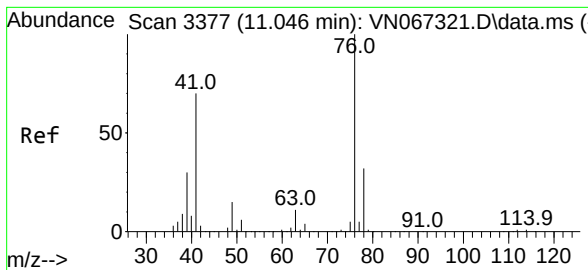
Tgt Ion: 43 Resp: 9913
Ion Ratio Lower Upper
43 100
58 46.0 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.364 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Tgt Ion: 75 Resp: 92892
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 35.8 50.7 76.1#

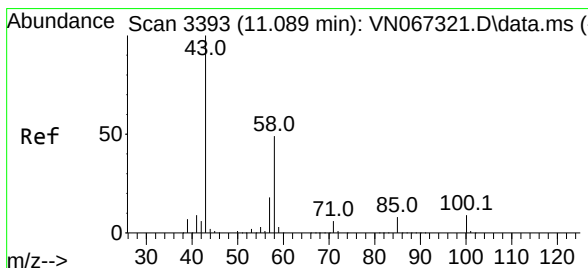
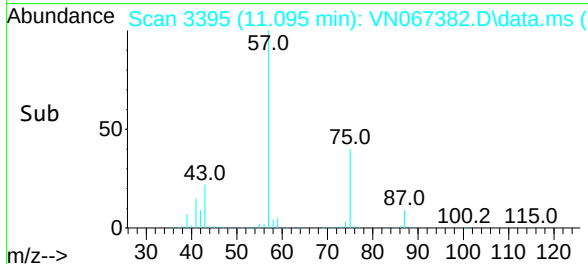
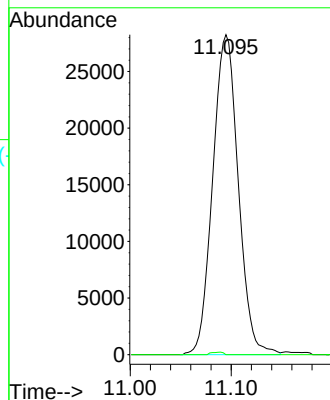
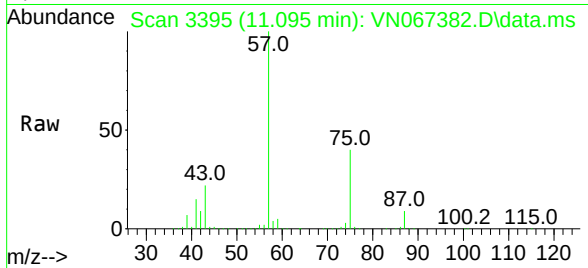




#57
1,3-Dichloropropane
Concen: 5.676 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

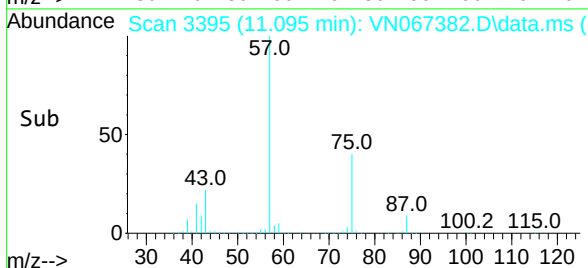
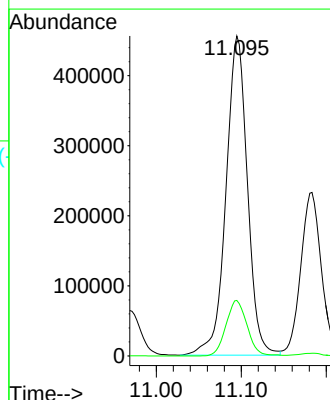
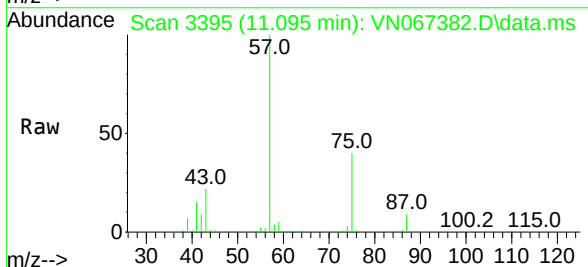
Instrument :
MSVOA_N
ClientSampled :

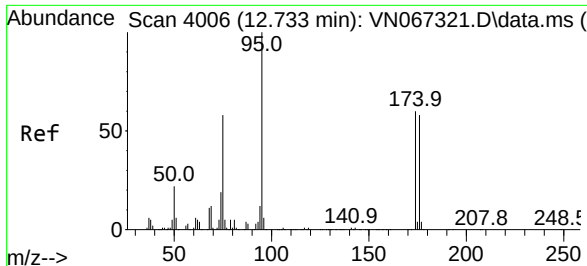
Tgt Ion: 76 Resp: 49594
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#



#59
2-Hexanone
Concen: 141.324 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Tgt Ion: 43 Resp: 799105
Ion Ratio Lower Upper
43 100
58 17.2 24.7 74.1#

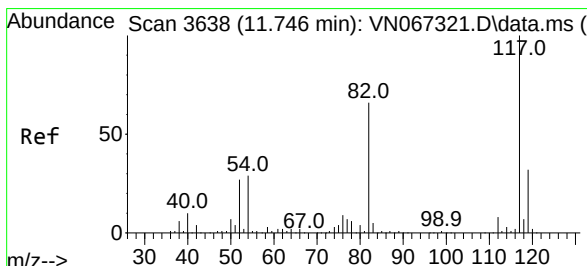
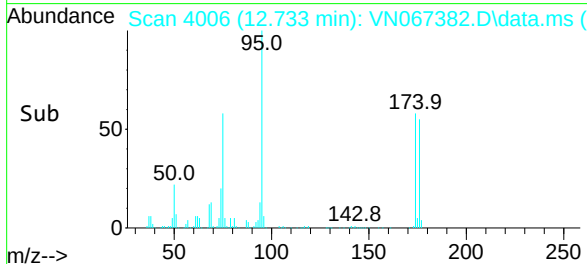
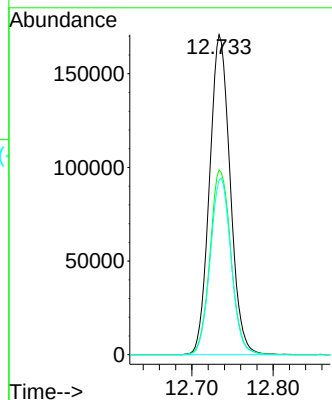
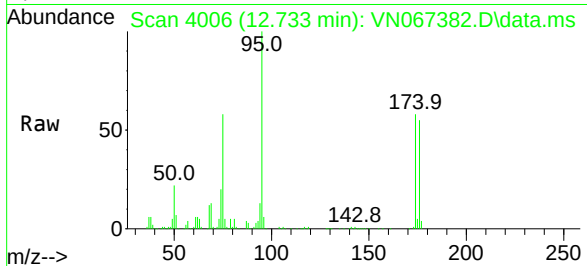




#62
4-Bromofluorobenzene
Concen: 45.526 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

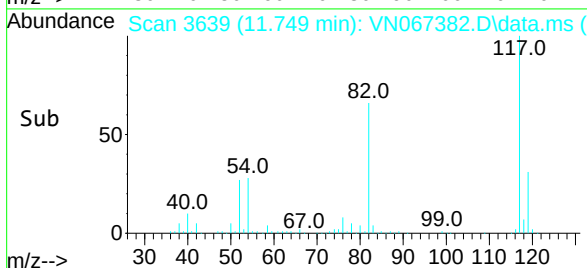
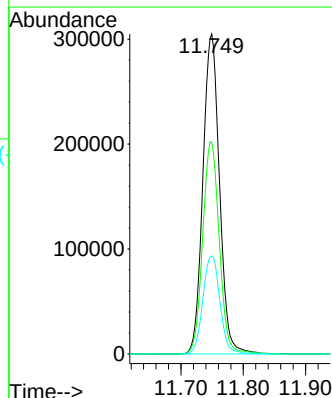
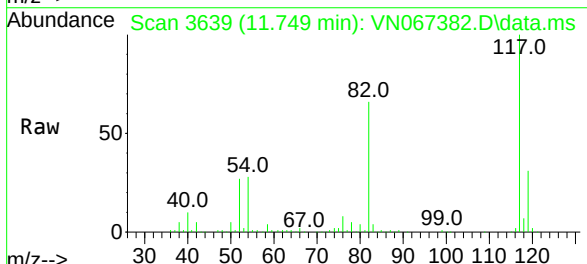
Instrument :
MSVOA_N
ClientSampled :

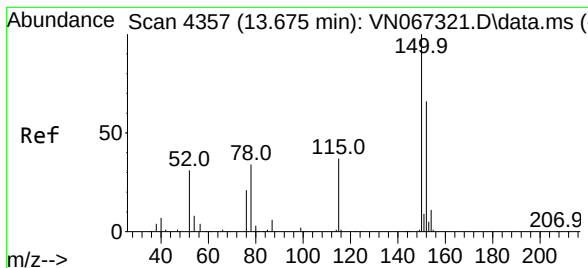
Tgt Ion: 95 Resp: 301159
Ion Ratio Lower Upper
95 100
174 58.7 0.0 122.0
176 55.8 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

Tgt Ion: 117 Resp: 564712
Ion Ratio Lower Upper
117 100
82 66.2 53.1 79.7
119 30.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 4358

Delta R.T. 0.003 min

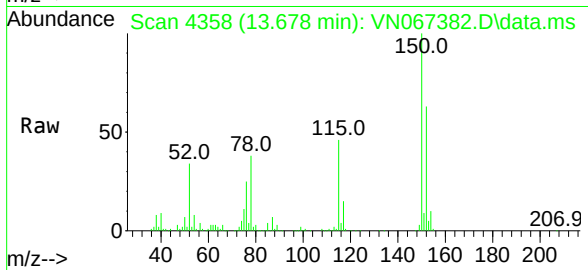
Lab File: VN067382.D

Acq: 17 Jun 2021 17:26

Instrument :

MSVOA_N

ClientSampled :



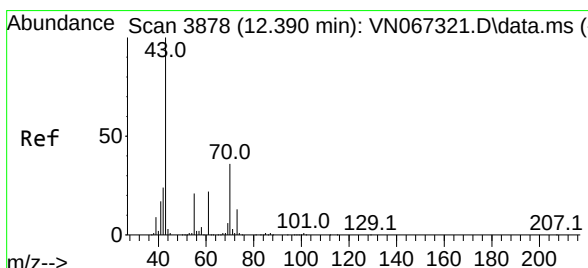
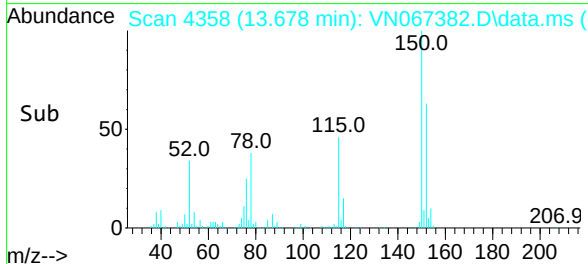
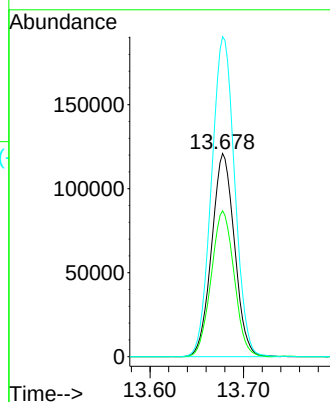
Tgt Ion:152 Resp: 205656

Ion Ratio Lower Upper

152 100

115 72.1 36.1 108.5

150 160.0 0.0 351.8



#74

N-ethyl acetate

Concen: 4.167 ug/l

RT: 12.197 min Scan# 3806

Delta R.T. -0.193 min

Lab File: VN067382.D

Acq: 17 Jun 2021 17:26

Tgt Ion: 43 Resp: 40148

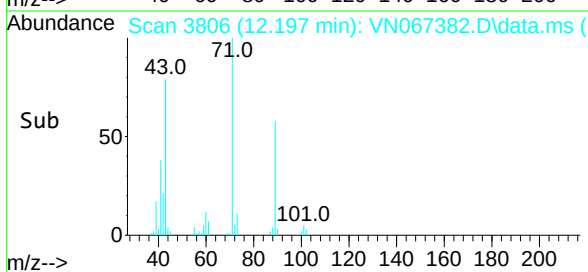
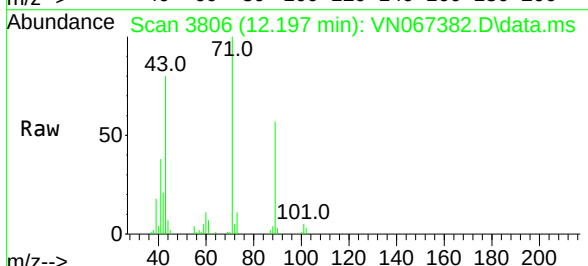
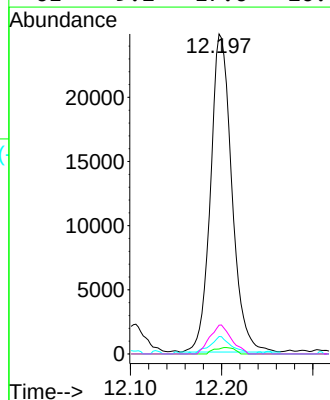
Ion Ratio Lower Upper

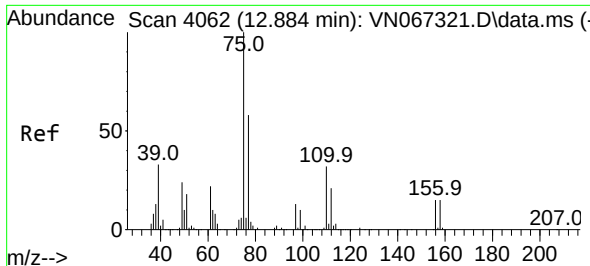
43 100

70 1.9 29.4 44.2#

55 5.5 17.0 25.4#

61 9.2 17.6 26.4#

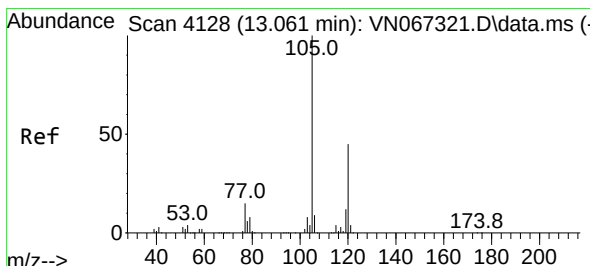
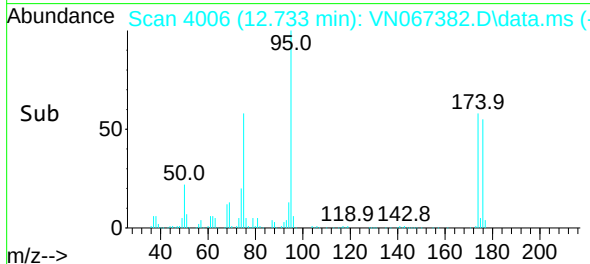
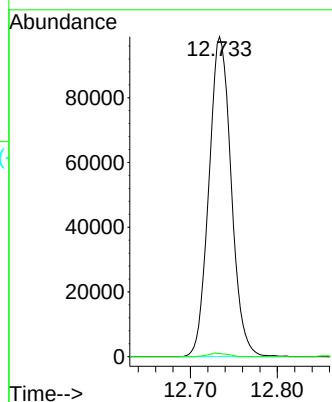
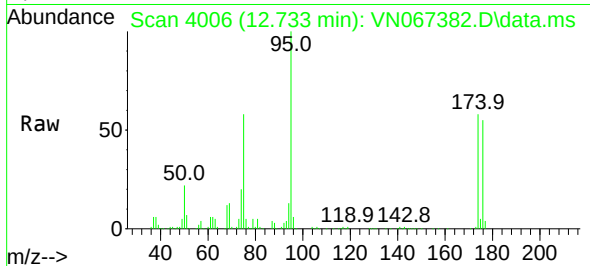




#76
1,2,3-Trichloropropane
Concen: 32.983 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

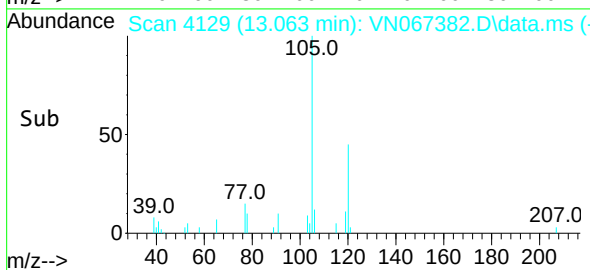
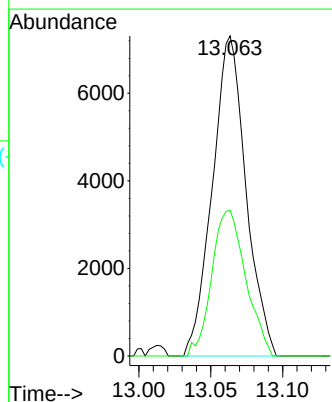
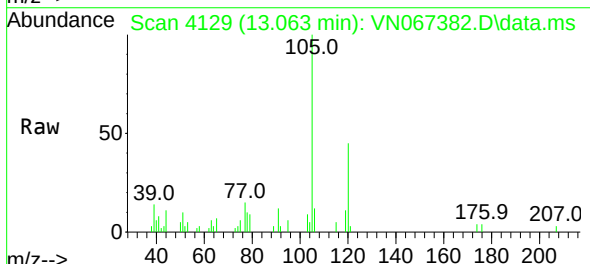
Instrument :
MSVOA_N
ClientSampleId :

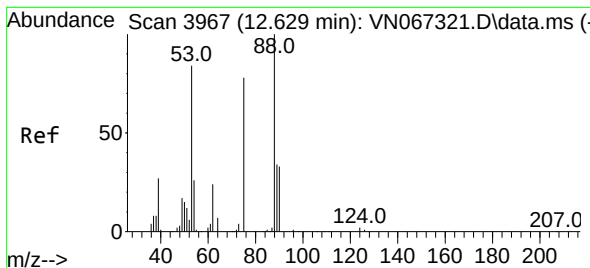
Tgt Ion: 75 Resp: 176148
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.714 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

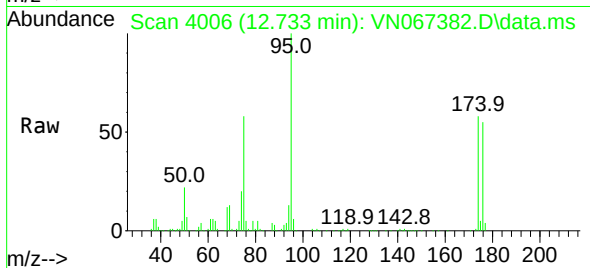
Tgt Ion:105 Resp: 11865
Ion Ratio Lower Upper
105 100
120 46.1 22.2 66.6



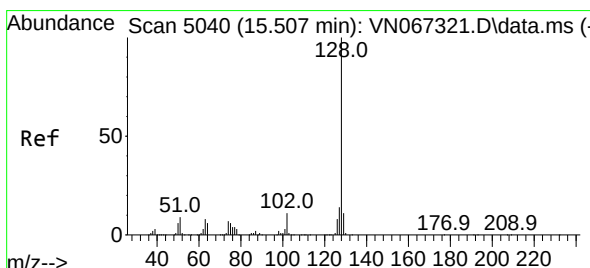
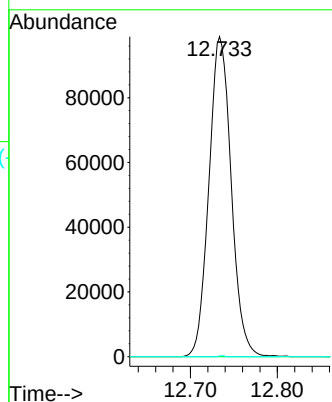
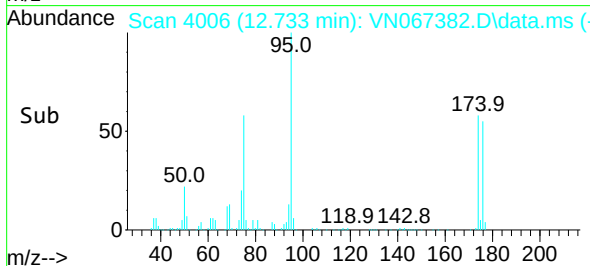


#81
trans-1,4-Dichloro-2-butene
Concen: 81.743 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26

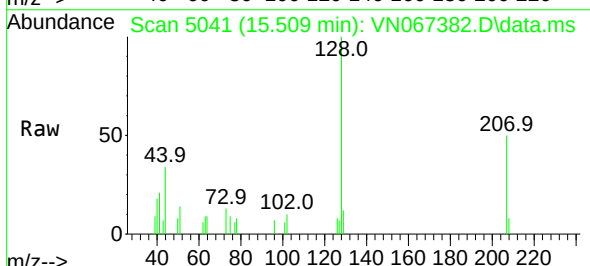
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 176148
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.1 37.8 56.8#



#95
Naphthalene
Concen: 3.042 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067382.D
Acq: 17 Jun 2021 17:26



Tgt Ion: 128 Resp: 5721
Ion Ratio Lower Upper
128 100
127 6.2 10.6 15.8#
129 13.6 8.6 12.8#

