

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061721\
 Data File : VN067384.D
 Acq On : 17 Jun 2021 18:15
 Operator : JC/MD
 Sample : PB137151ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 05:11:58 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)

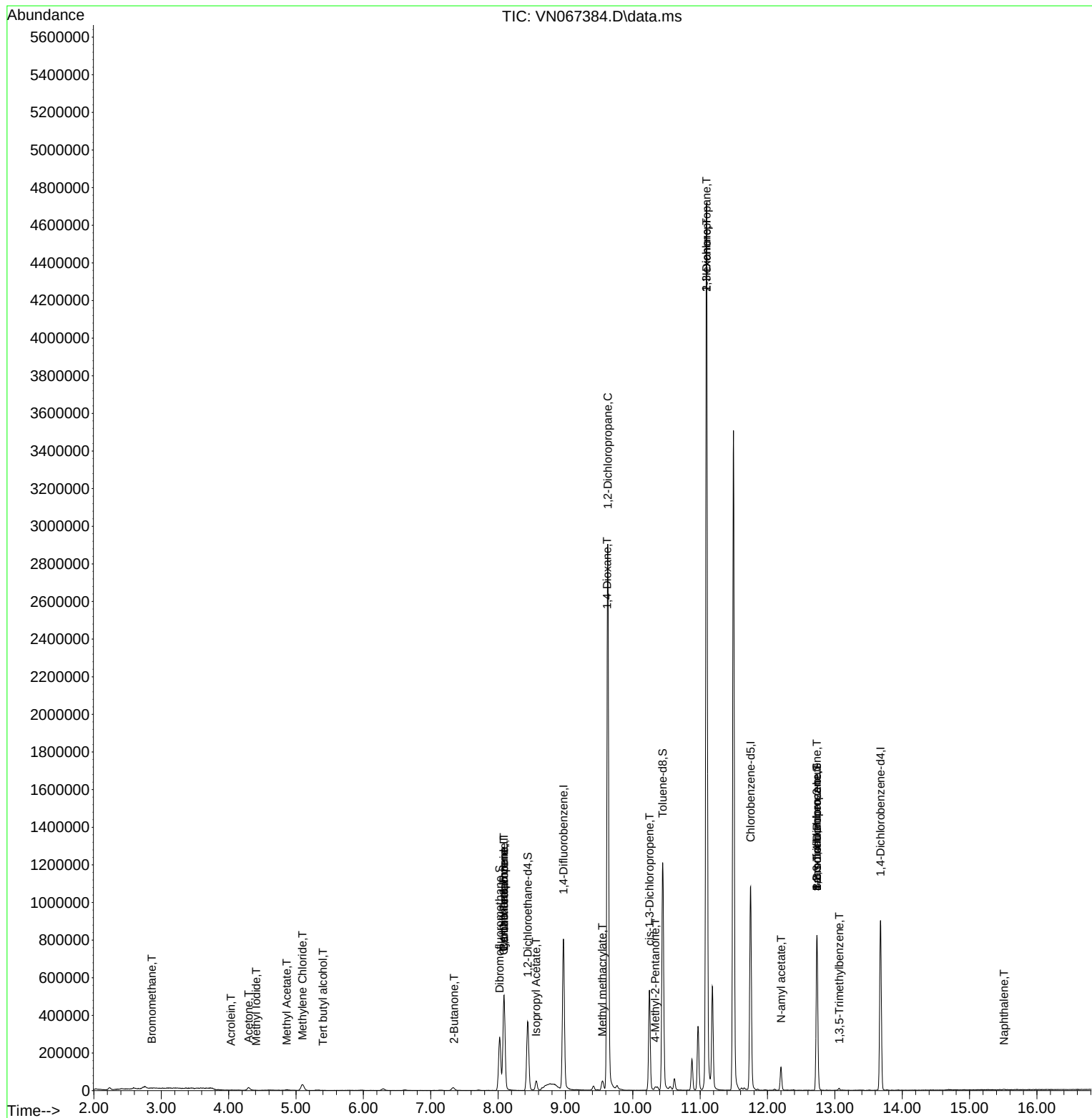
Internal Standards						
1) Pentafluorobenzene	8.088	168	316676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	644289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	571831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	204431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	315413	50.489	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.980%			
35) Dibromofluoromethane	8.024	113	200367	46.760	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 93.520%			
50) Toluene-d8	10.443	98	844875	51.442	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.880%			
62) 4-Bromofluorobenzene	12.733	95	303375	44.759	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.520%			
Target Compounds					Qvalue	
5) Bromomethane	2.858	94	429	0.215	ug/l #	27
10) Methyl Iodide	4.409	142	53	6.755	ug/l #	33
11) Tert butyl alcohol	5.398	59	221	0.215	ug/l #	71
13) Acrolein	4.033	56	644	1.003	ug/l #	8
16) Acetone	4.296	43	28238	11.779	ug/l	97
18) Methyl Acetate	4.862	43	7429	1.278	ug/l #	70
20) Methylene Chloride	5.095	84	23811	4.774	ug/l	98
25) 2-Butanone	7.348	43	3074	0.897	ug/l	92
31) Cyclohexane	8.083	56	10840	1.276	ug/l #	24
36) 1,1-Dichloropropene	8.088	75	39203	5.428	ug/l #	51
38) Carbon Tetrachloride	8.086	117	40102	5.165	ug/l #	16
43) Isopropyl Acetate	8.566	43	59832	4.356	ug/l #	87
45) 1,2-Dichloropropane	9.630	63	3537	0.658	ug/l #	44
48) Methyl methacrylate	9.550	41	13449	2.147	ug/l #	12
49) 1,4-Dioxane	9.620	88	204	2.380	ug/l #	20
51) 4-Methyl-2-Pentanone	10.336	43	10372	1.312	ug/l #	84
54) cis-1,3-Dichloropropene	10.247	75	93944	10.229	ug/l #	58
57) 1,3-Dichloropropane	11.095	76	48069	5.369	ug/l #	43
59) 2-Hexanone	11.095	43	799470	137.992	ug/l #	53
71) Bromoform	12.733	173	1868	0.528	ug/l #	1
74) N-amyl acetate	12.200	43	41689	4.353	ug/l #	56
76) 1,2,3-Trichloropropane	12.733	75	177172	33.374	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.066	105	5117	0.310	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.733	75	177172	82.710	ug/l #	6
95) Naphthalene	15.512	128	2569	2.804	ug/l #	78

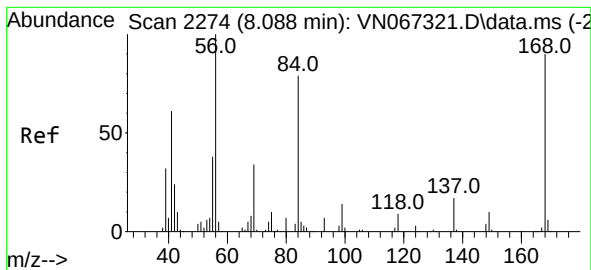
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 18 05:11:58 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN067384.D

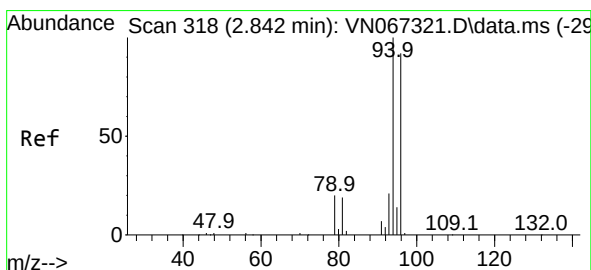
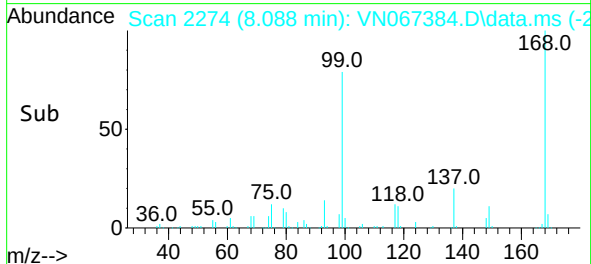
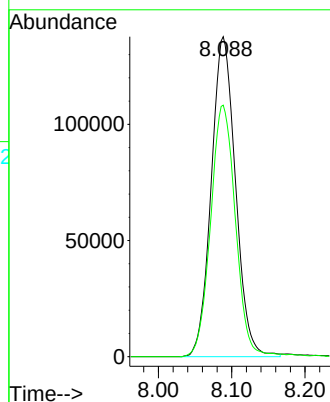
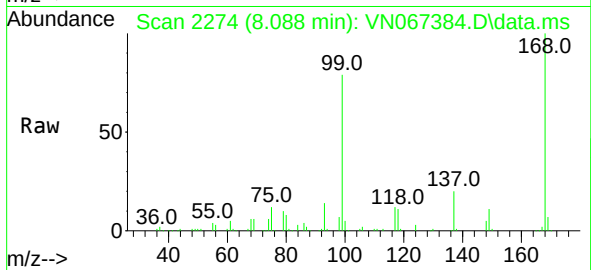
Acq: 17 Jun 2021 18:15

Tgt Ion:168 Resp: 316676

Ion Ratio Lower Upper

168 100

99 78.6 62.9 94.3



#5

Bromomethane

Concen: 0.215 ug/l

RT: 2.858 min Scan# 324

Delta R.T. 0.016 min

Lab File: VN067384.D

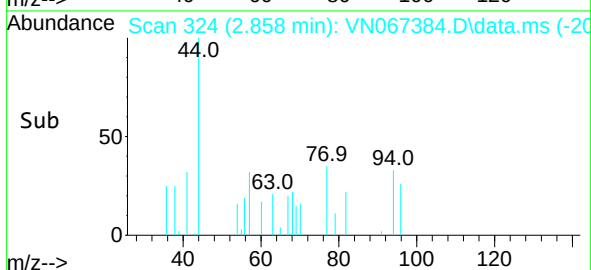
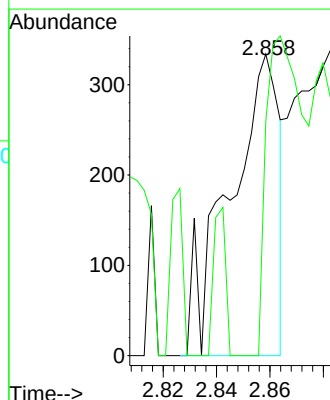
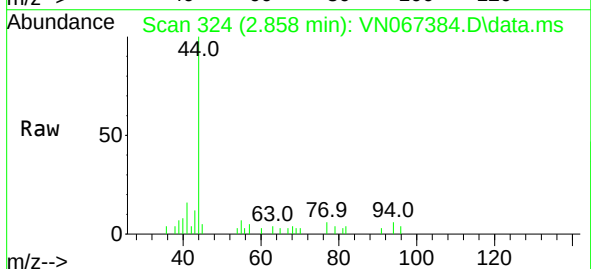
Acq: 17 Jun 2021 18:15

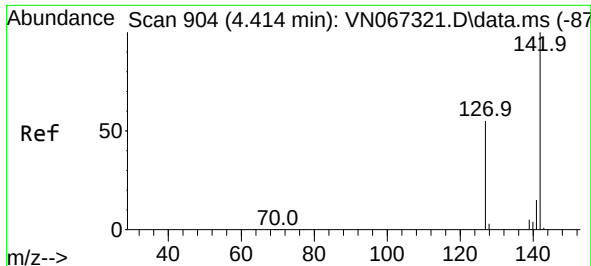
Tgt Ion: 94 Resp: 429

Ion Ratio Lower Upper

94 100

96 22.5 73.7 110.5#

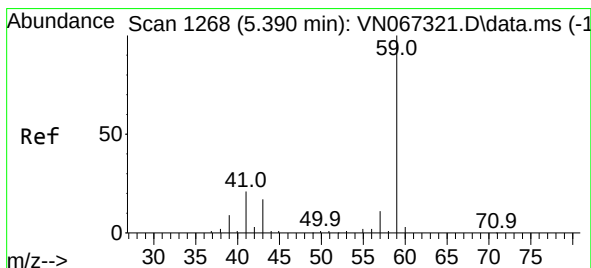
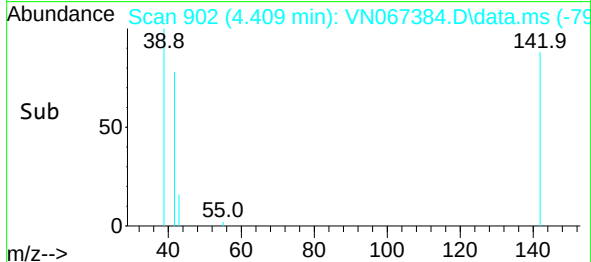
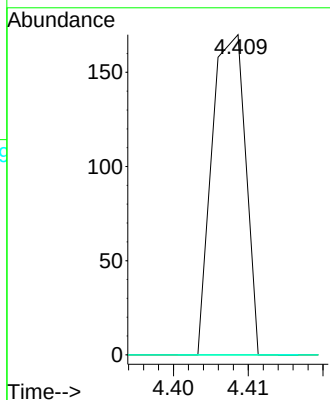
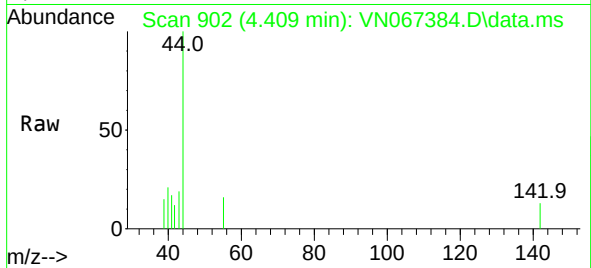




#10
Methyl Iodide
Concen: 6.755 ug/l
RT: 4.409 min Scan# 902
Delta R.T. -0.005 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

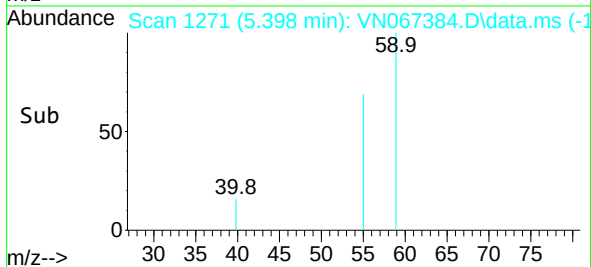
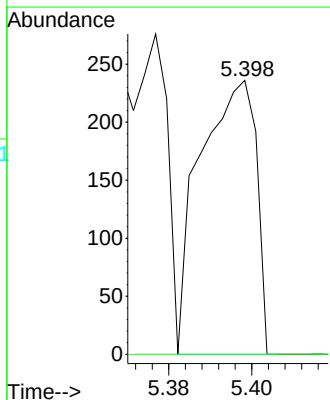
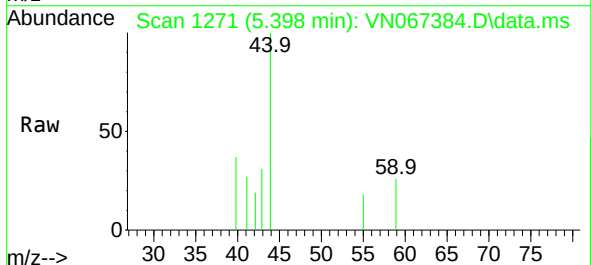
Instrument :
MSVOA_N
ClientSampleId :

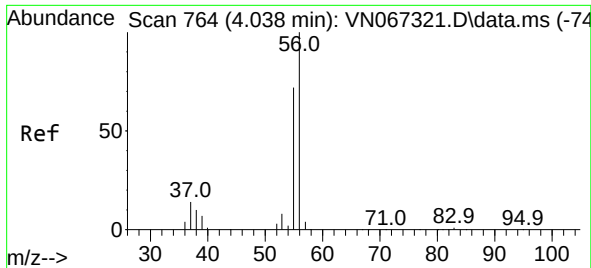
Tgt Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.215 ug/l
RT: 5.398 min Scan# 1271
Delta R.T. 0.008 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Tgt Ion: 59 Resp: 221
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

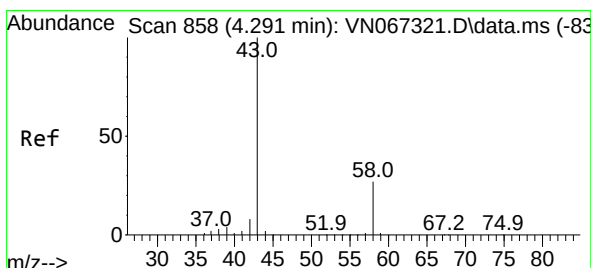
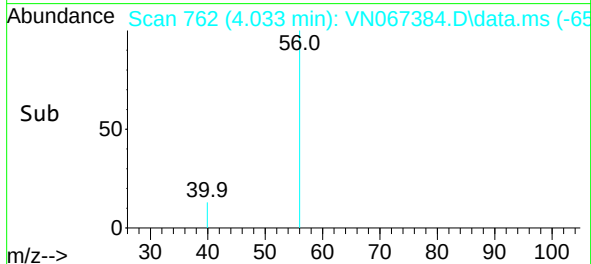
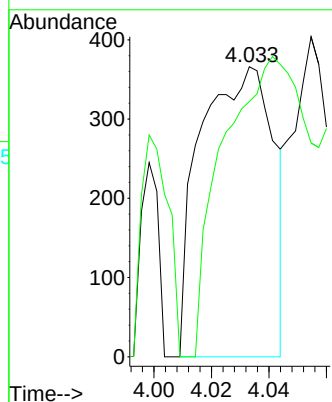
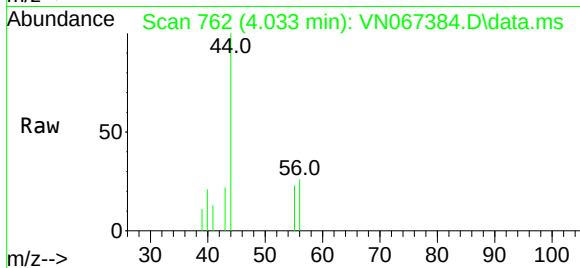




#13
Acrolein
Concen: 1.003 ug/l
RT: 4.033 min Scan# 762
Delta R.T. -0.005 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

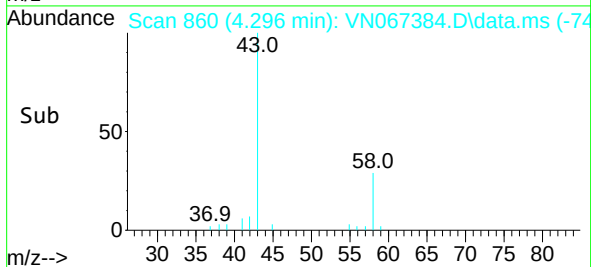
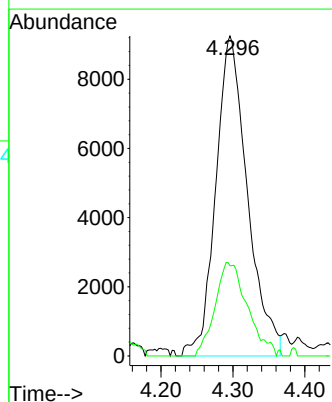
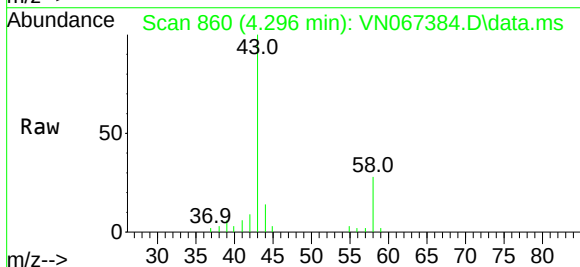
Instrument :
MSVOA_N
ClientSampled :

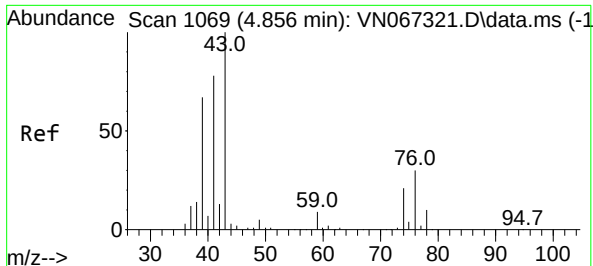
Tgt Ion: 56 Resp: 644
Ion Ratio Lower Upper
56 100
55 147.8 57.4 86.0#



#16
Acetone
Concen: 11.779 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Tgt Ion: 43 Resp: 28238
Ion Ratio Lower Upper
43 100
58 28.2 21.2 31.8





#18

Methyl Acetate

Concen: 1.278 ug/l

RT: 4.862 min Scan# 1071

Delta R.T. 0.006 min

Lab File: VN067384.D

Acq: 17 Jun 2021 18:15

Tgt Ion: 43 Resp: 7429

Ion Ratio Lower Upper

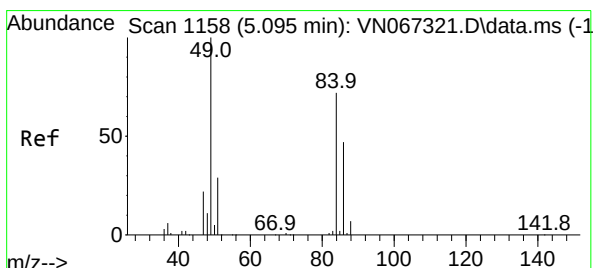
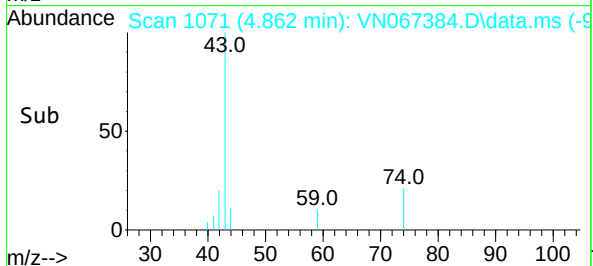
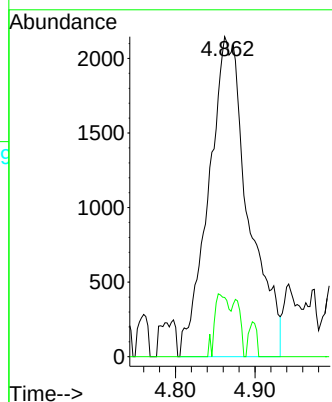
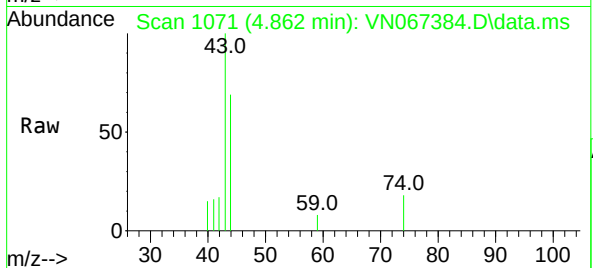
43 100

74 7.3 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 4.774 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.000 min

Lab File: VN067384.D

Acq: 17 Jun 2021 18:15

Tgt Ion: 84 Resp: 23811

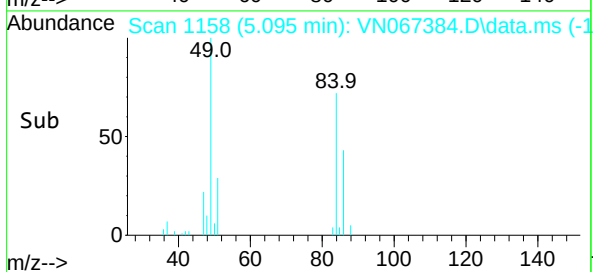
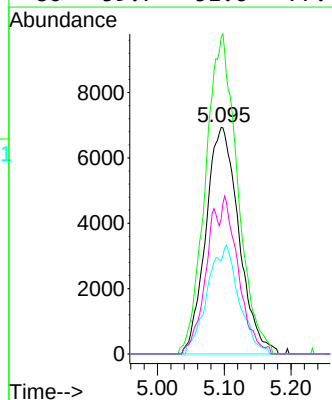
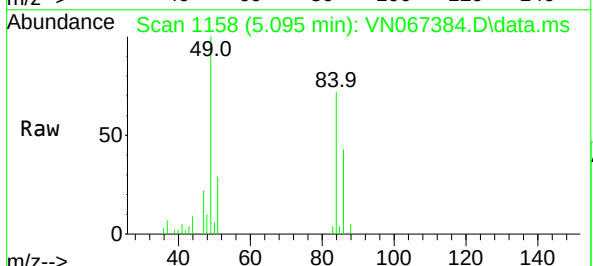
Ion Ratio Lower Upper

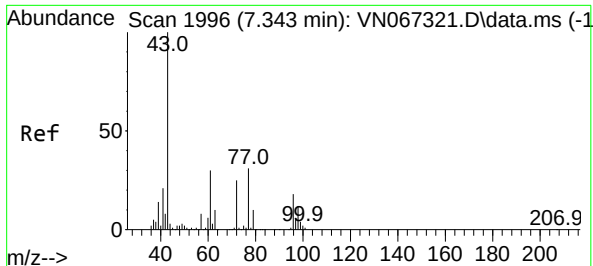
84 100

49 139.8 110.9 166.3

51 41.2 32.6 49.0

86 59.7 51.6 77.4

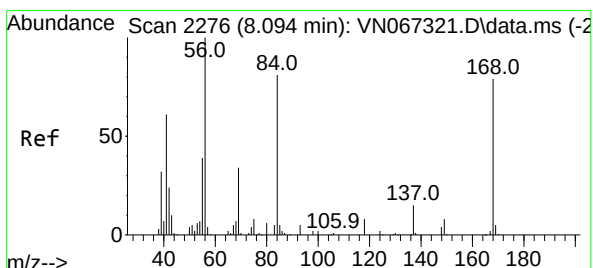
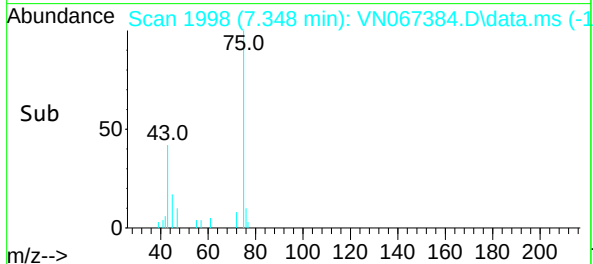
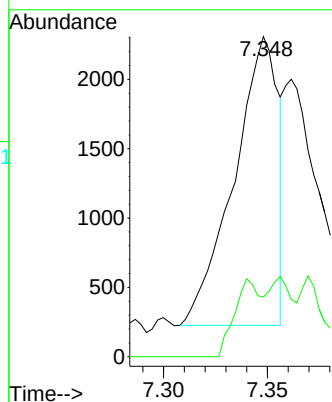
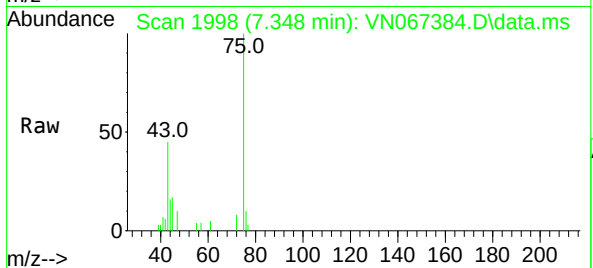




#25
2-Butanone
Concen: 0.897 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.005 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

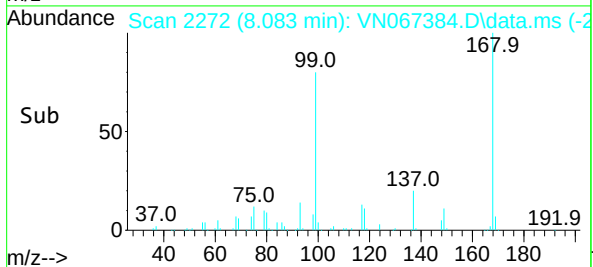
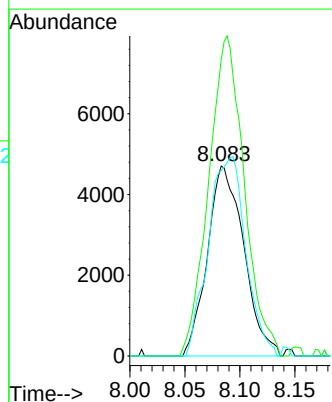
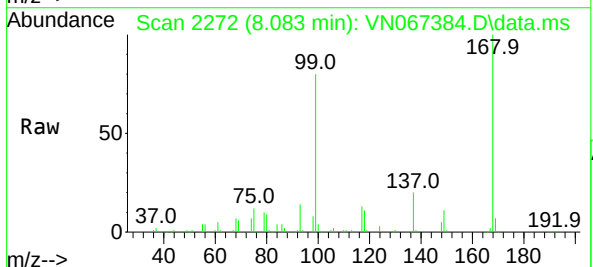
Instrument :
MSVOA_N
ClientSampleId :

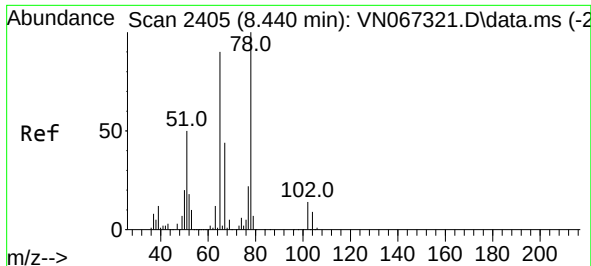
Tgt Ion: 43 Resp: 3074
Ion Ratio Lower Upper
43 100
72 20.7 19.7 29.5



#31
Cyclohexane
Concen: 1.276 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Tgt Ion: 56 Resp: 10840
Ion Ratio Lower Upper
56 100
69 156.0 27.3 40.9#
84 97.7 64.9 97.3#

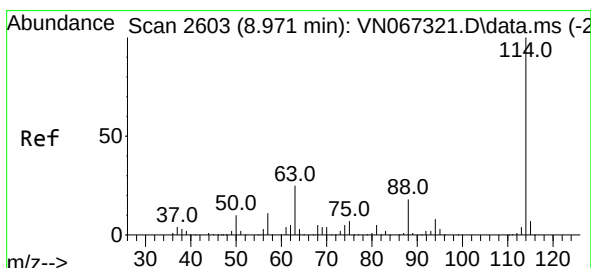
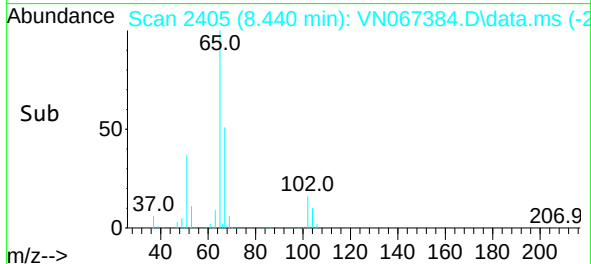
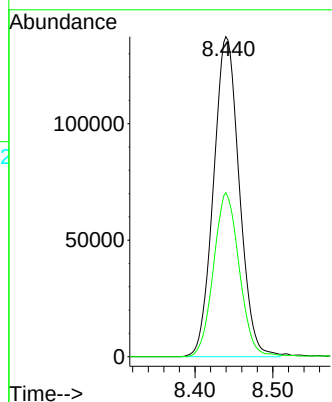
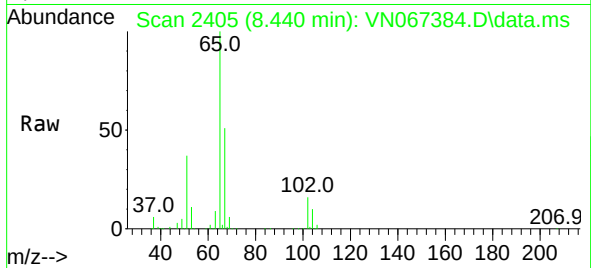




#33
 1,2-Dichloroethane-d4
 Concen: 50.489 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067384.D
 Acq: 17 Jun 2021 18:15

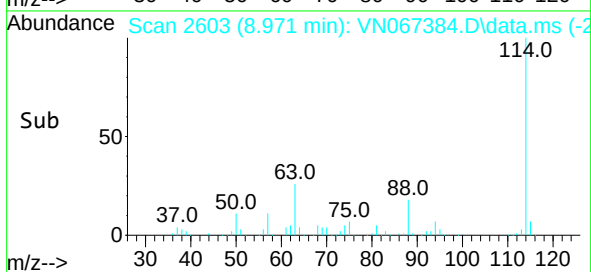
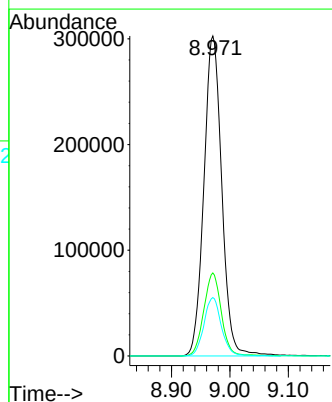
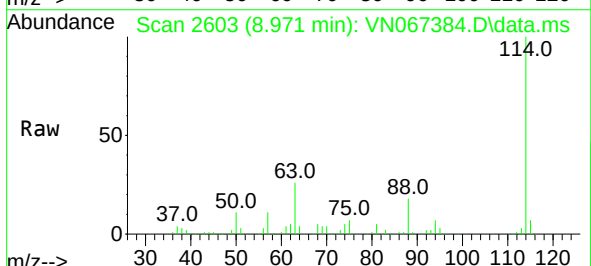
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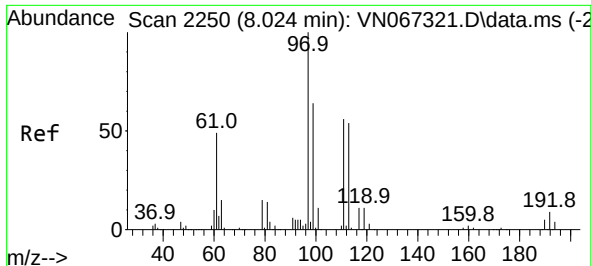
Tgt Ion: 65 Resp: 315413
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.000 min
 Lab File: VN067384.D
 Acq: 17 Jun 2021 18:15

Tgt Ion: 114 Resp: 644289
 Ion Ratio Lower Upper
 114 100
 63 26.0 0.0 49.0
 88 18.3 0.0 36.6

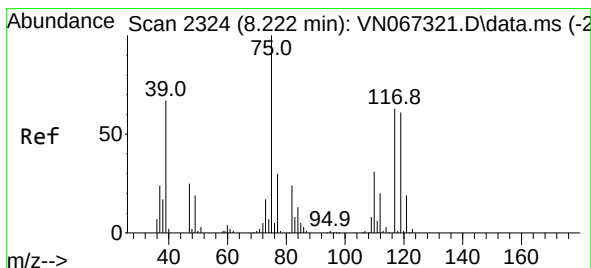
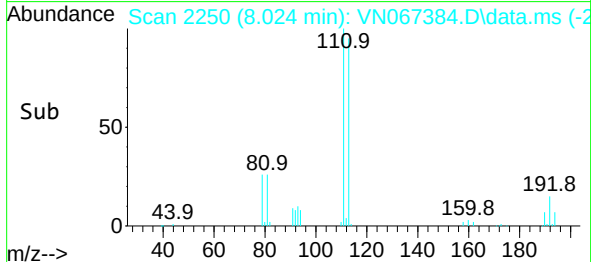
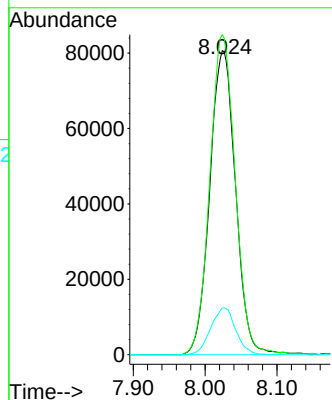
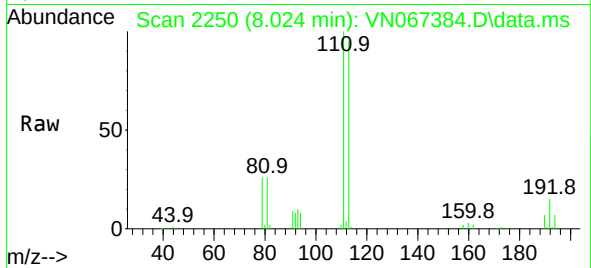




#35
Dibromofluoromethane
Concen: 46.760 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

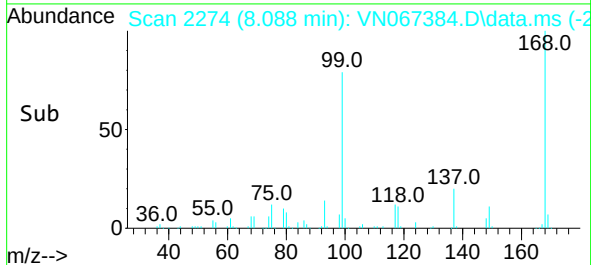
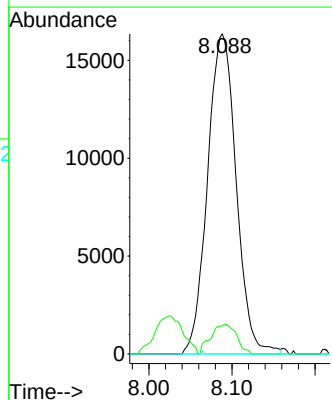
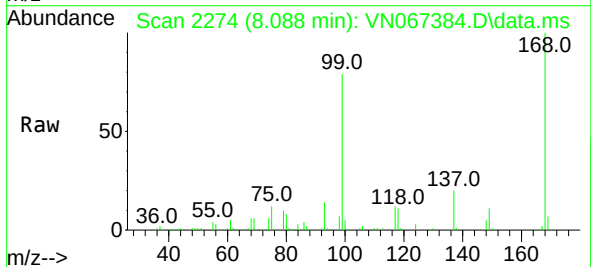
Instrument :
MSVOA_N
ClientSampleId :

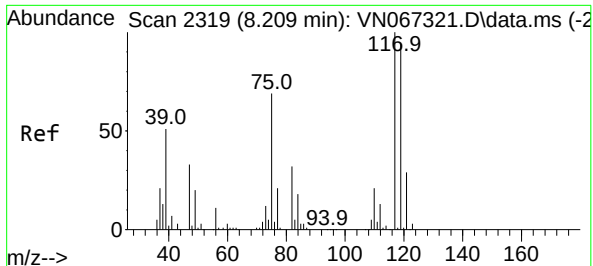
Tgt Ion:113 Resp: 200367
Ion Ratio Lower Upper
113 100
111 104.3 83.8 125.8
192 15.0 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.428 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

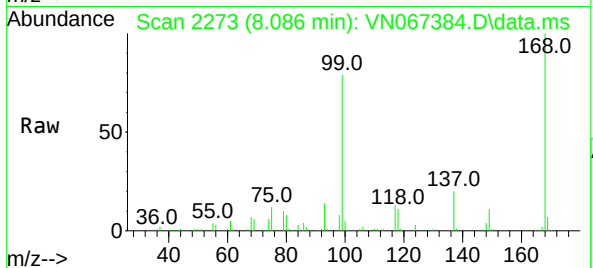
Tgt Ion: 75 Resp: 39203
Ion Ratio Lower Upper
75 100
110 8.3 15.7 47.0#
77 0.0 24.6 37.0#



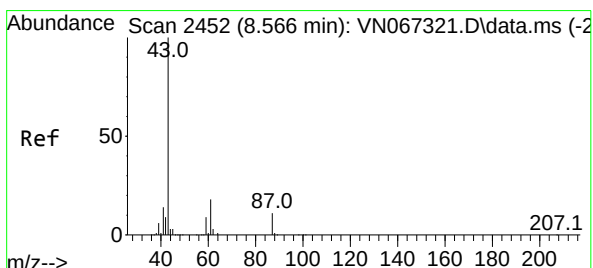
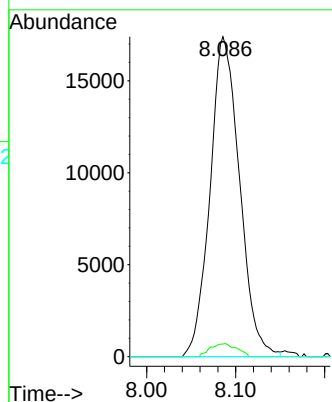
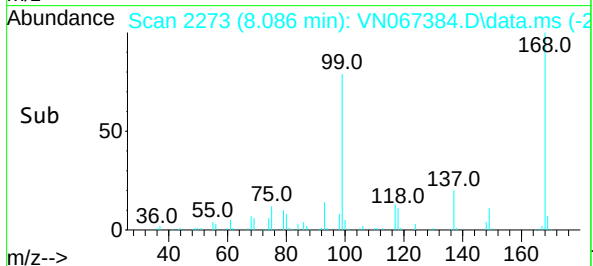


#38
Carbon Tetrachloride
Concen: 5.165 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

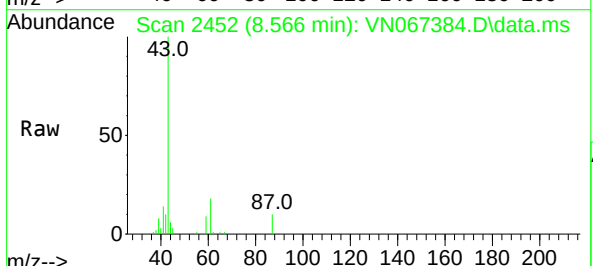
Instrument :
MSVOA_N
ClientSampleId :



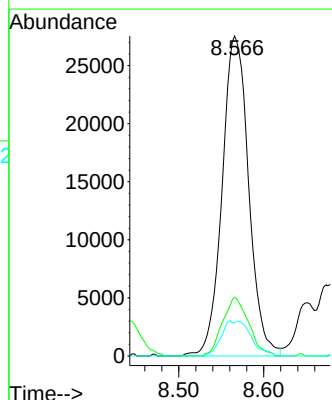
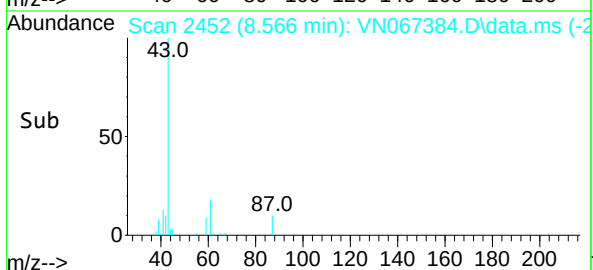
Tgt Ion:117 Resp: 40102
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.2#
121 0.0 23.5 35.3#

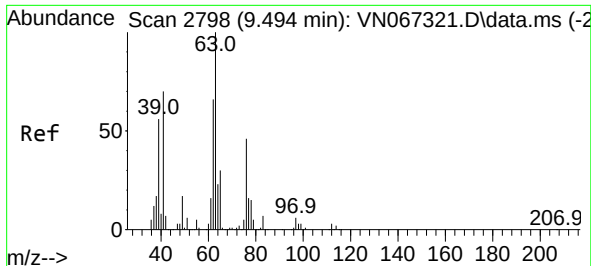


#43
Isopropyl Acetate
Concen: 4.356 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15



Tgt Ion: 43 Resp: 59832
Ion Ratio Lower Upper
43 100
61 18.0 19.0 28.4#
87 5.7 9.5 14.3#

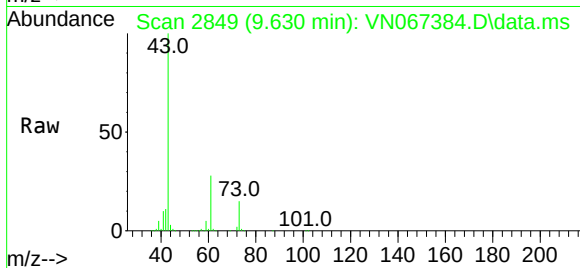




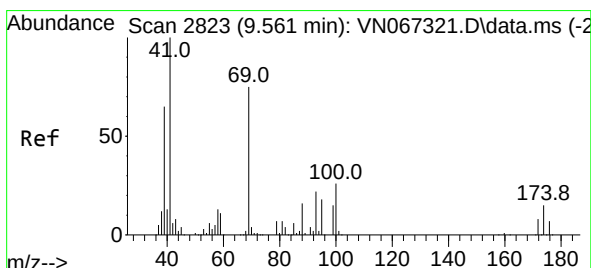
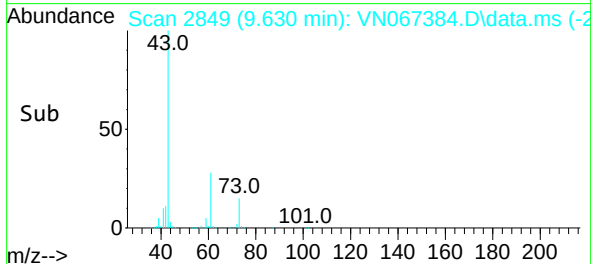
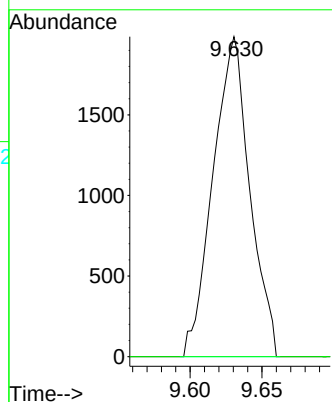
#45

1,2-Dichloropropane
Concen: 0.658 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.136 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Instrument :
MSVOA_N
ClientSampled :



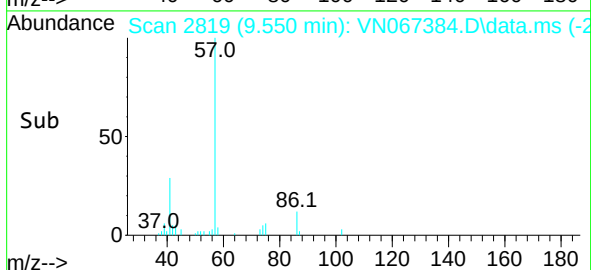
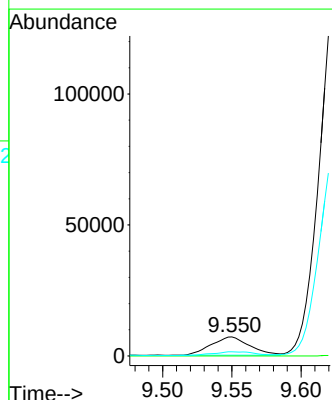
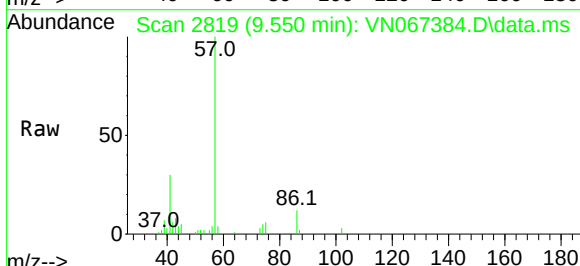
Tgt Ion: 63 Resp: 3537
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

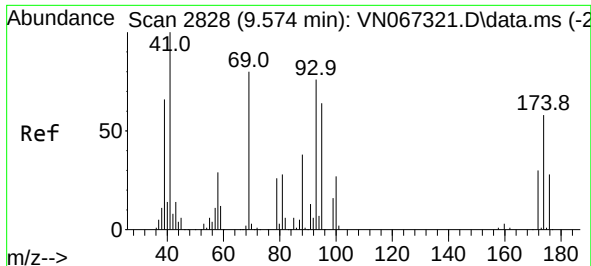


#48

Methyl methacrylate
Concen: 2.147 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Tgt Ion: 41 Resp: 13449
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: 2.380 ug/l

RT: 9.620 min Scan# 2845

Delta R.T. 0.046 min

Lab File: VN067384.D

Acq: 17 Jun 2021 18:15

Tgt Ion: 88 Resp: 204

Ion Ratio Lower Upper

88 100

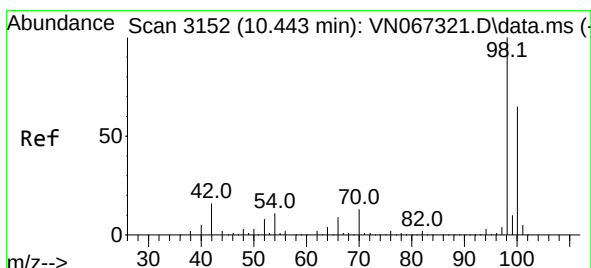
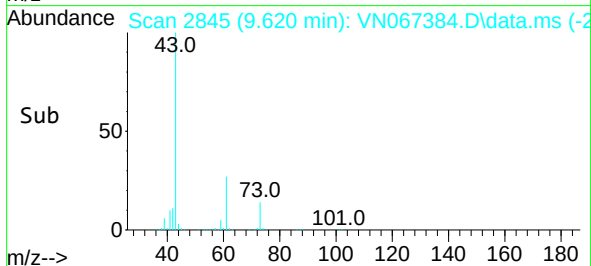
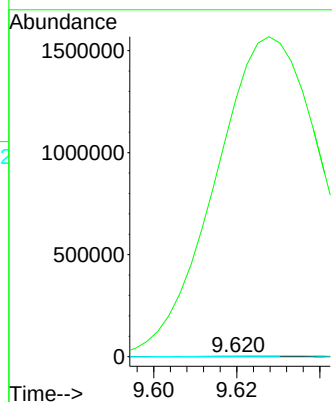
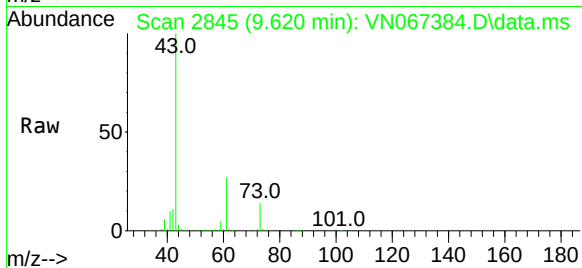
43 0.0 28.8 43.2#

58 0.0 60.4 90.6#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 51.442 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN067384.D

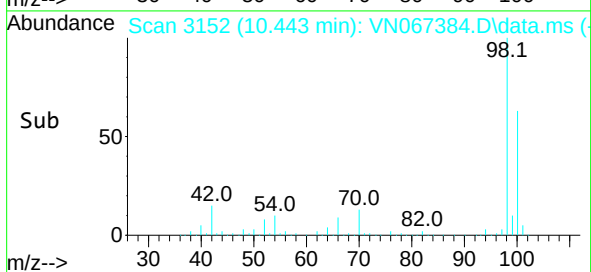
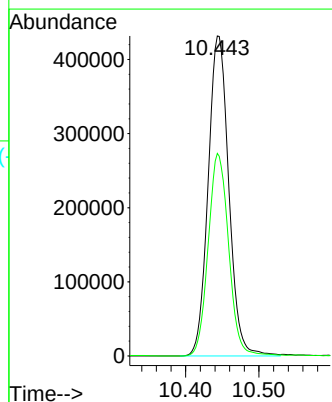
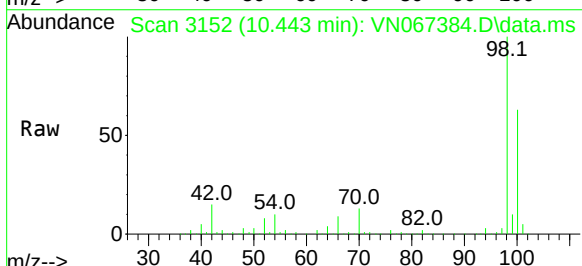
Acq: 17 Jun 2021 18:15

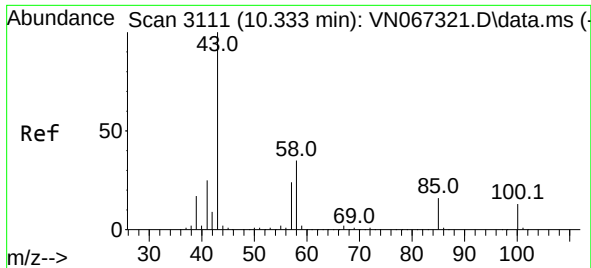
Tgt Ion: 98 Resp: 844875

Ion Ratio Lower Upper

98 100

100 62.8 51.7 77.5

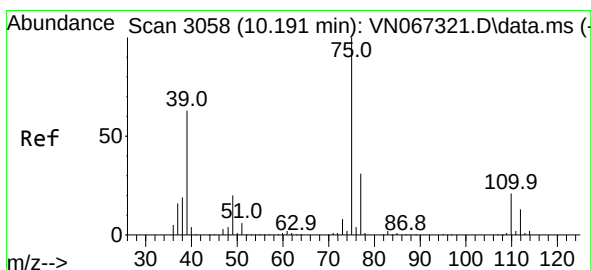
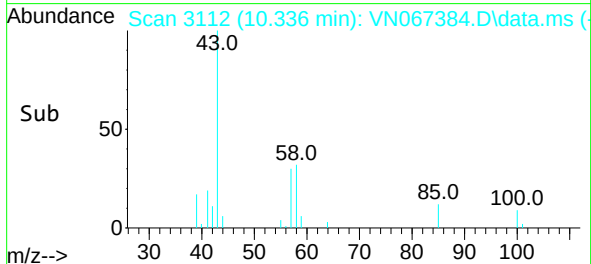
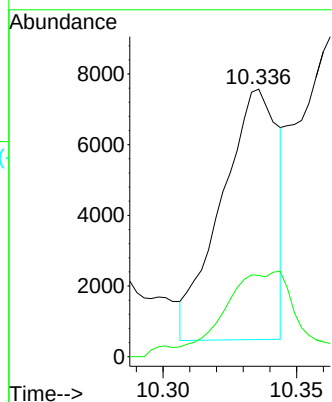
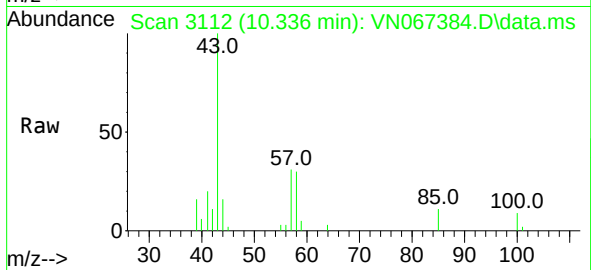




#51
4-Methyl-2-Pentanone
Concen: 1.312 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

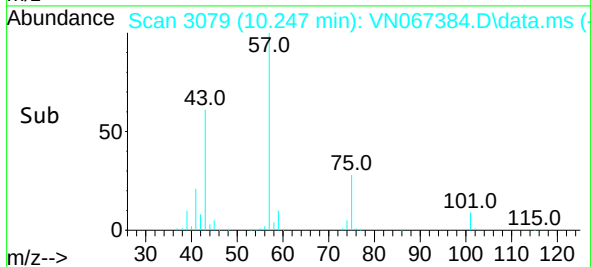
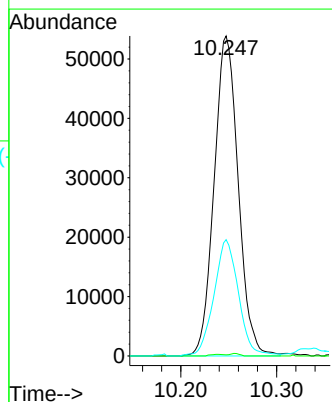
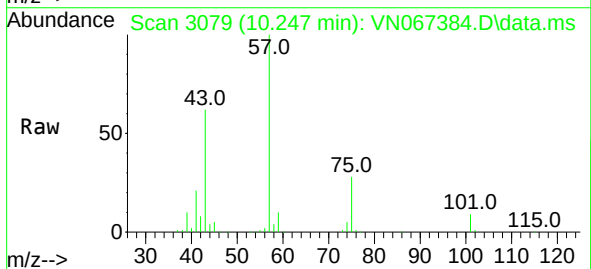
Instrument :
MSVOA_N
ClientSampled :

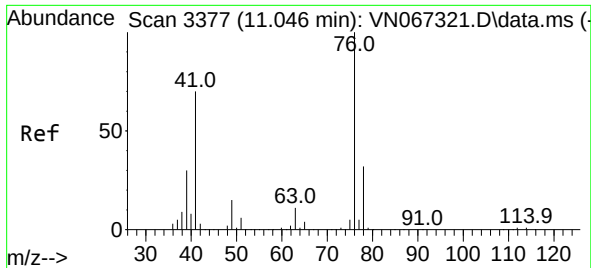
Tgt Ion: 43 Resp: 10372
Ion Ratio Lower Upper
43 100
58 45.0 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 10.229 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Tgt Ion: 75 Resp: 93944
Ion Ratio Lower Upper
75 100
77 0.3 24.6 37.0#
39 36.4 50.7 76.1#

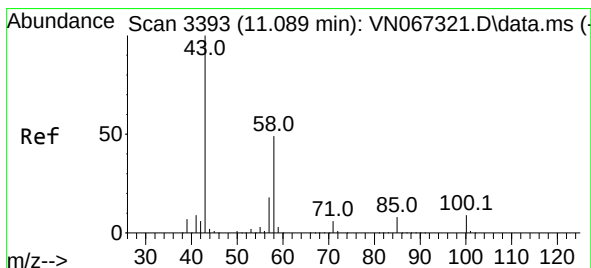
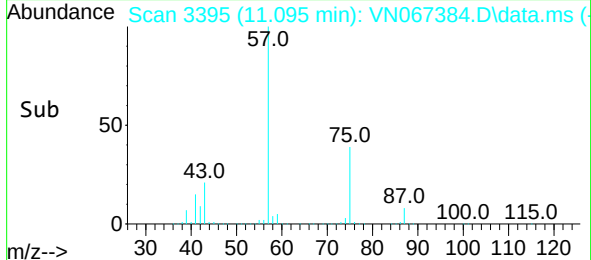
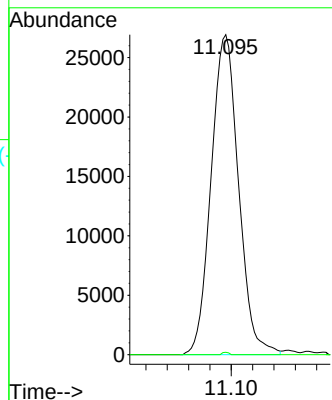
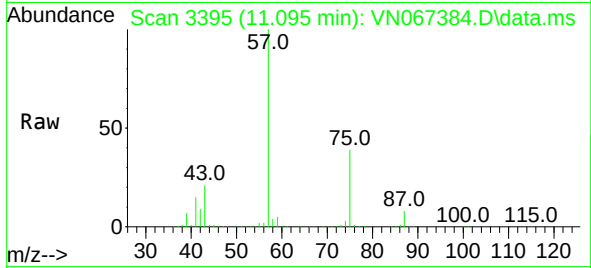




#57
1,3-Dichloropropane
Concen: 5.369 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.049 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

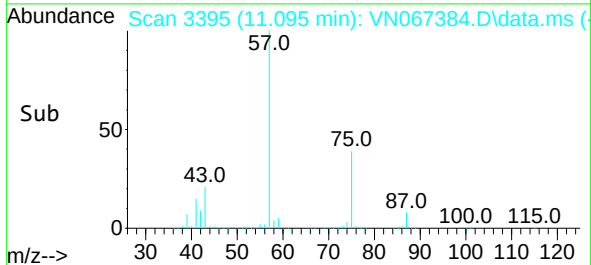
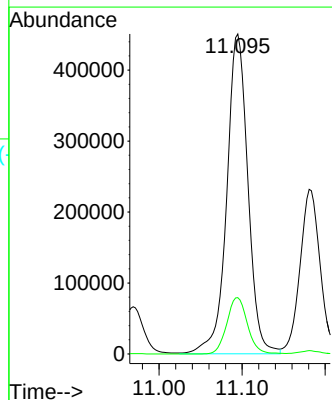
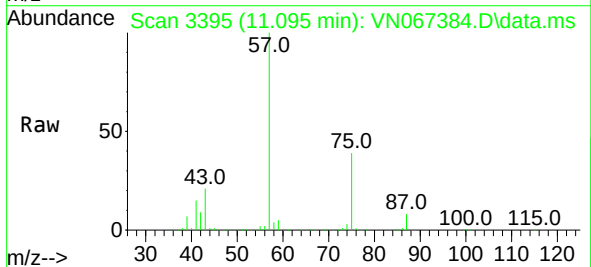
Instrument :
MSVOA_N
ClientSampled :

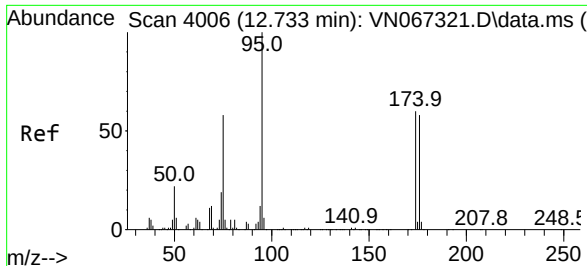
Tgt Ion: 76 Resp: 48069
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 137.992 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.006 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Tgt Ion: 43 Resp: 799470
Ion Ratio Lower Upper
43 100
58 17.2 24.7 74.1#

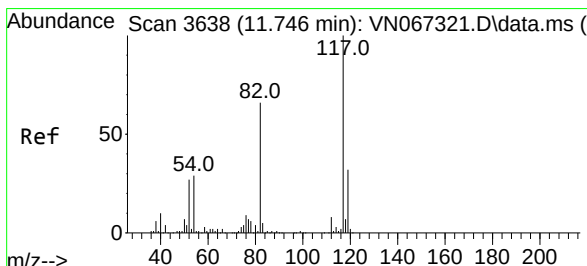
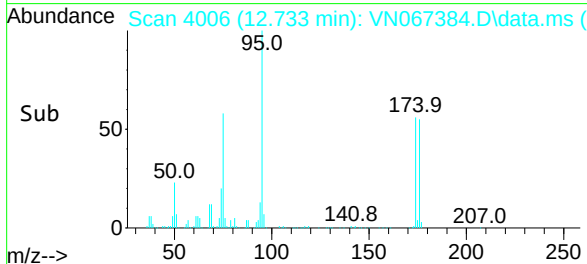
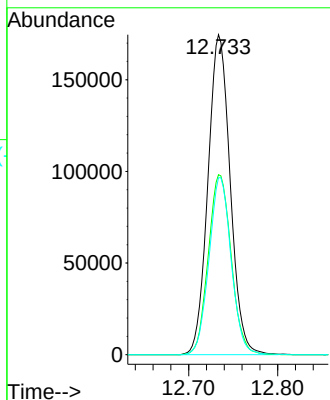
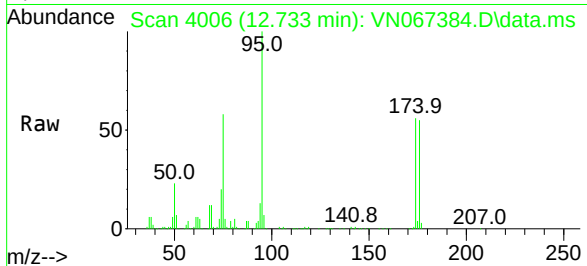




#62
4-Bromofluorobenzene
Concen: 44.759 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

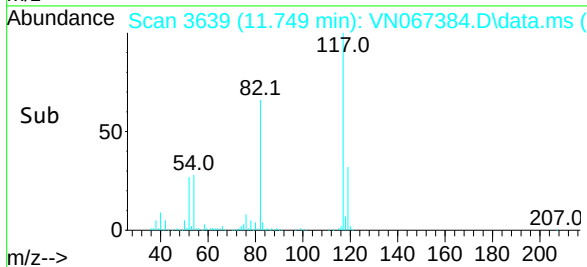
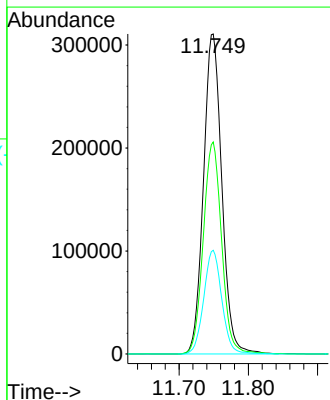
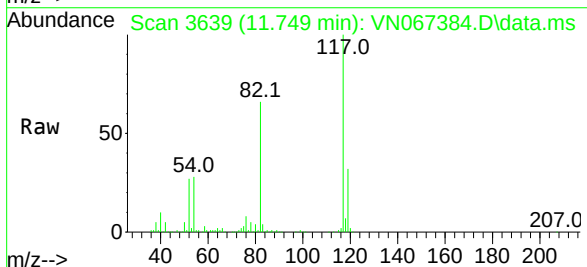
Instrument :
MSVOA_N
ClientSampleId :

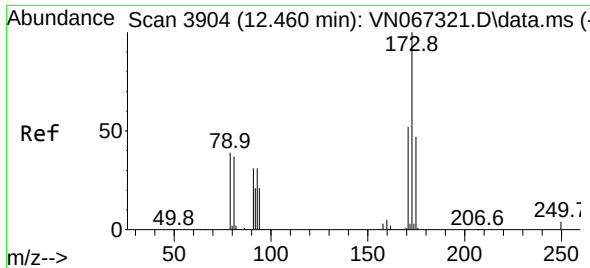
Tgt Ion: 95 Resp: 303375
Ion Ratio Lower Upper
95 100
174 57.8 0.0 122.0
176 55.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Tgt Ion: 117 Resp: 571831
Ion Ratio Lower Upper
117 100
82 66.2 53.1 79.7
119 32.4 25.5 38.3

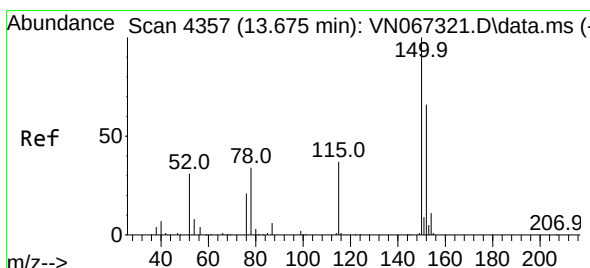
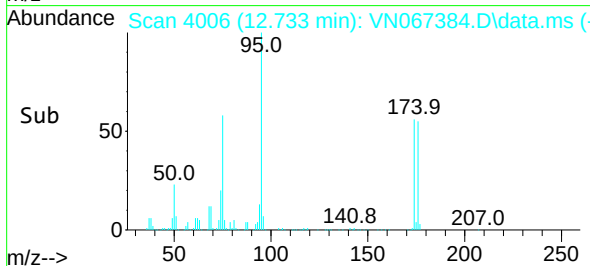
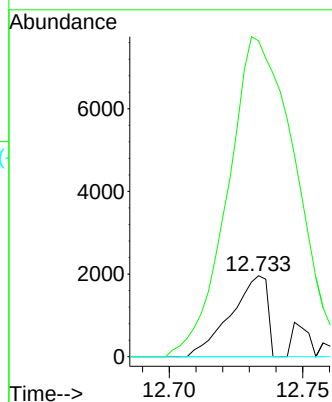
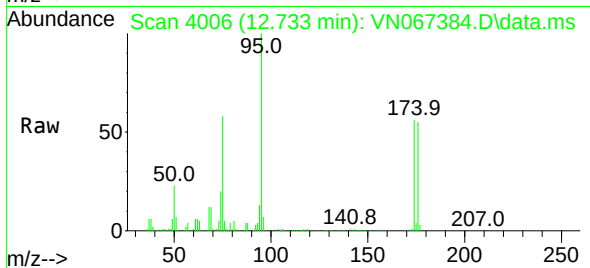




#71
Bromoform
Concen: 0.528 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

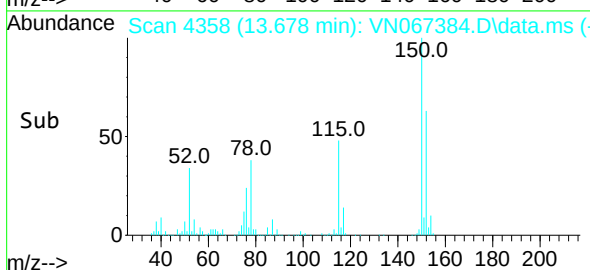
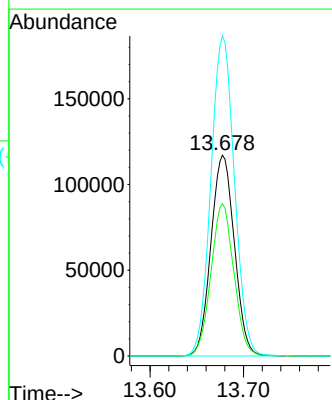
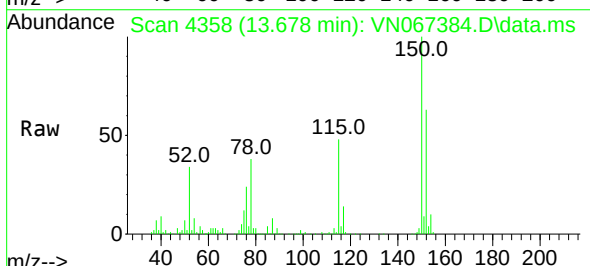
Instrument :
MSVOA_N
ClientSampleId :

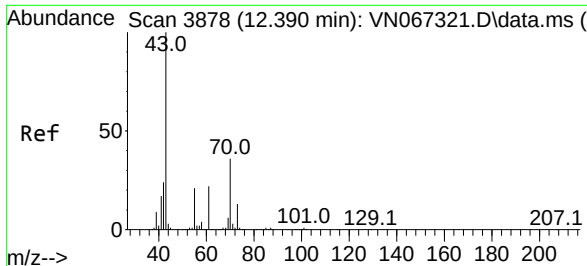
Tgt Ion:173 Resp: 1868
Ion Ratio Lower Upper
173 100
175 665.8 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Tgt Ion:152 Resp: 204431
Ion Ratio Lower Upper
152 100
115 74.1 36.1 108.5
150 159.9 0.0 351.8

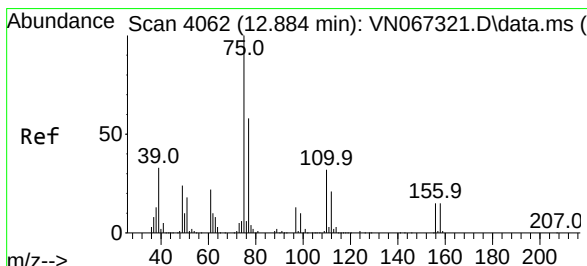
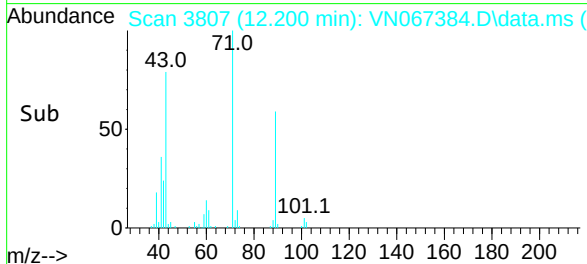
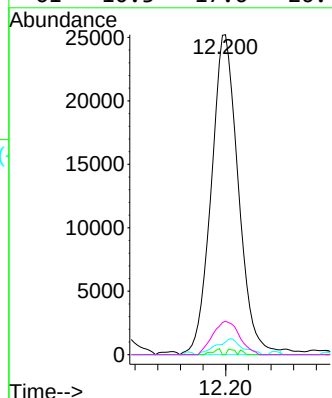
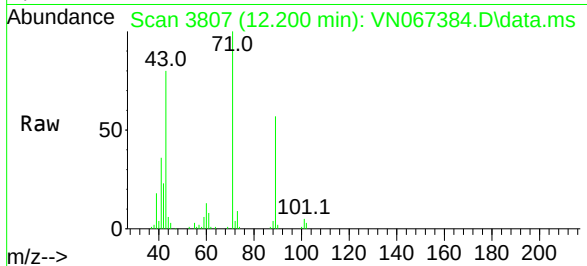




#74
N-amy1 acetate
Concen: 4.353 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

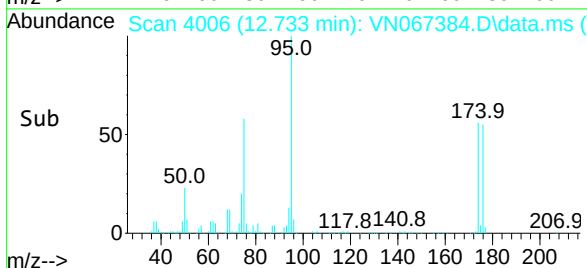
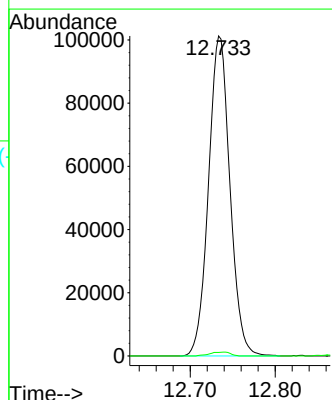
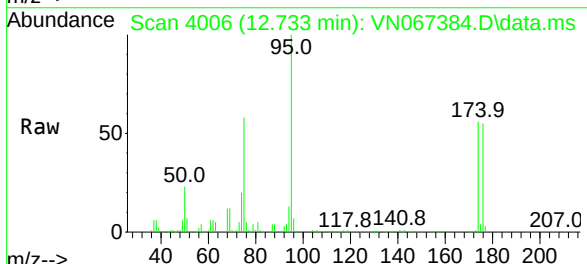
Instrument :
MSVOA_N
ClientSampleId :

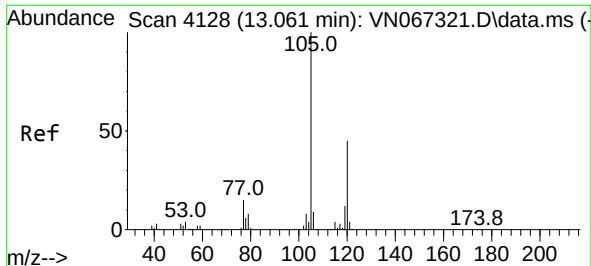
Tgt Ion: 43	Resp: 41689
Ion Ratio	Lower Upper
43 100	
70 0.5	29.4 44.2#
55 4.8	17.0 25.4#
61 10.3	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 33.374 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Tgt Ion: 75	Resp: 177172
Ion Ratio	Lower Upper
75 100	
77 1.2	0.0 0.0#

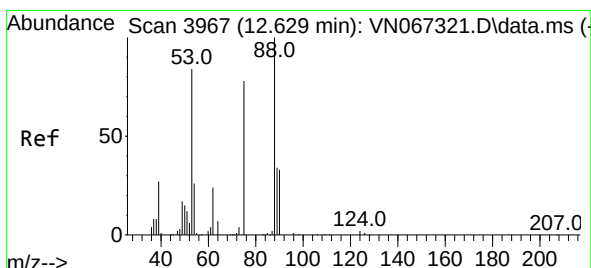
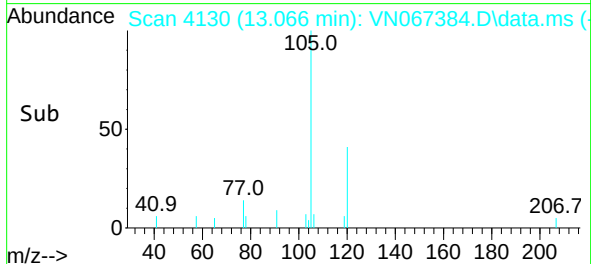
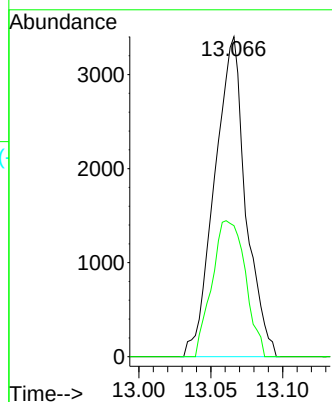
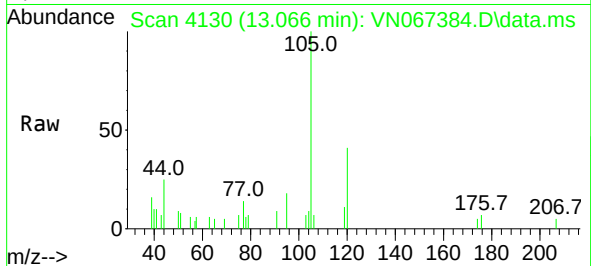




#80
1,3,5-Trimethylbenzene
Concen: 0.310 ug/l
RT: 13.066 min Scan# 4130
Delta R.T. 0.005 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

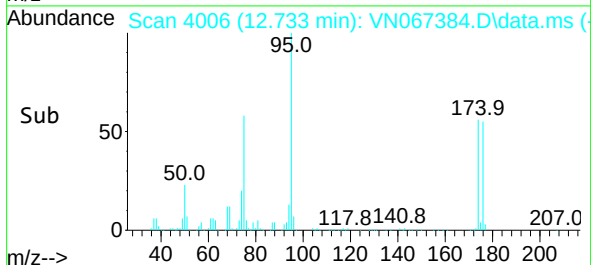
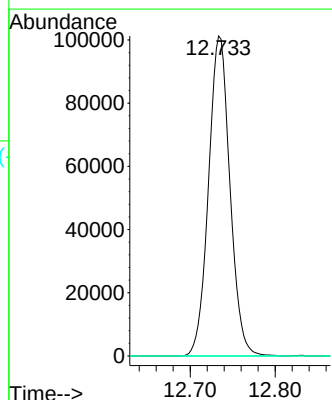
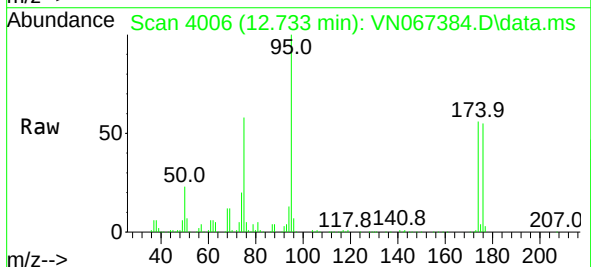
Instrument :
MSVOA_N
ClientSampled :

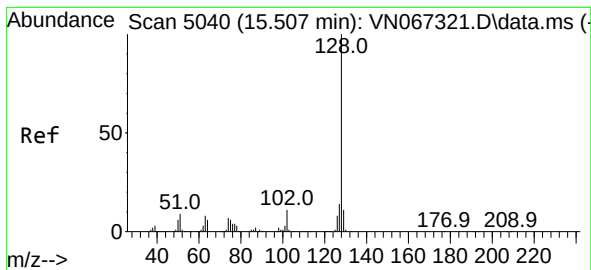
Tgt Ion:105 Resp: 5117
Ion Ratio Lower Upper
105 100
120 45.5 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 82.710 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Tgt Ion: 75 Resp: 177172
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 2.804 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN067384.D
Acq: 17 Jun 2021 18:15

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 2569
Ion Ratio Lower Upper
128 100
127 6.2 10.6 15.8#
129 0.0 8.6 12.8#

