

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050621\
 Data File : VN067013.D
 Acq On : 6 May 2021 16:24
 Operator : JC/MD
 Sample : PB136231TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 04:08:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

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

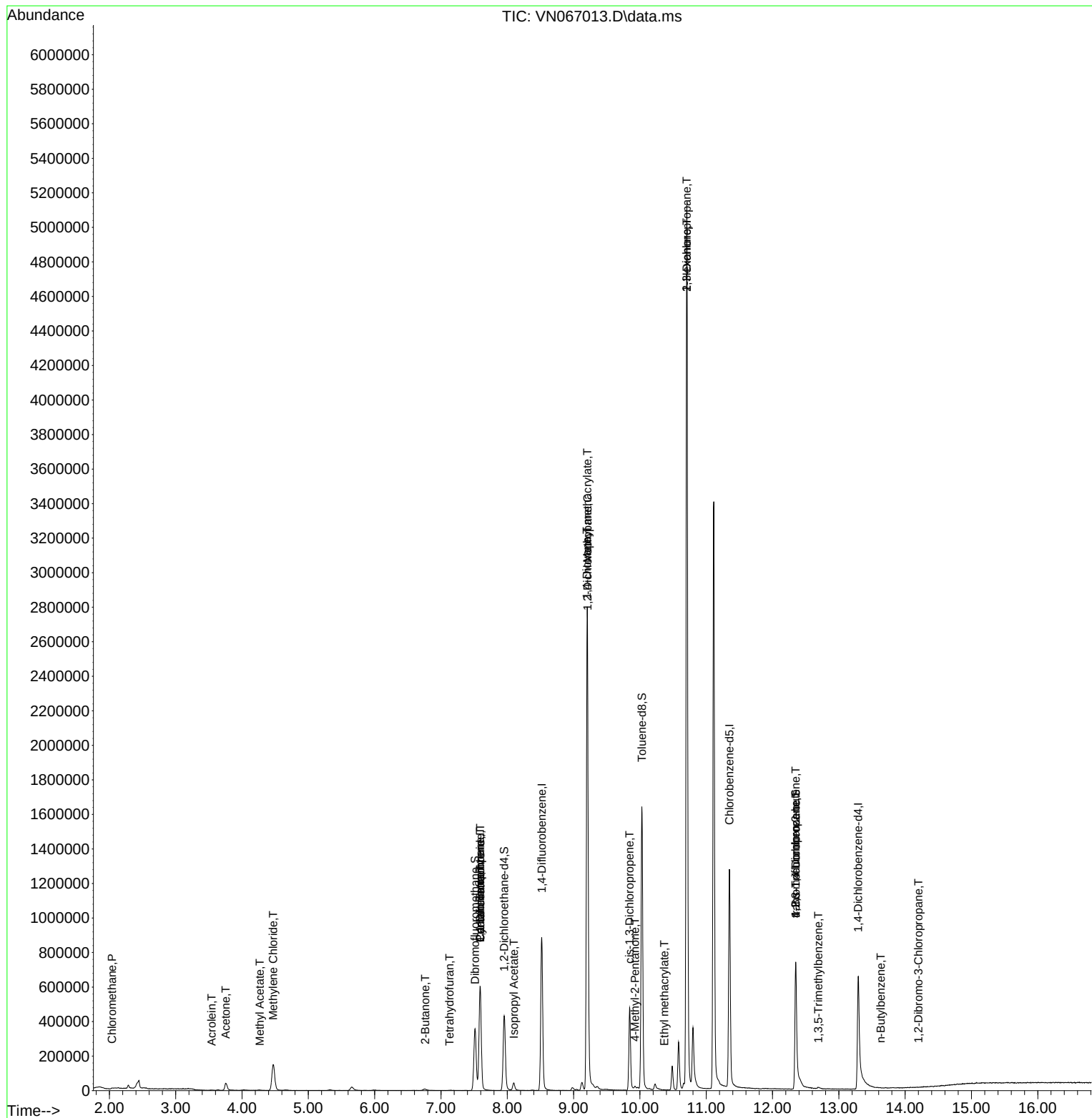
Internal Standards						
1) Pentafluorobenzene	7.592	168	460321	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	764772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	733970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	252463	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	396224	54.69	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.38%			
35) Dibromofluoromethane	7.514	113	280936	54.10	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 108.20%			
50) Toluene-d8	10.030	98	1112099	56.23	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 112.46%			
62) 4-Bromofluorobenzene	12.350	95	339167	50.65	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.30%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.038	50	1977	0.22	ug/l	89
13) Acrolein	3.540	56	759	0.89	ug/l	94
16) Acetone	3.754	43	67816	26.61	ug/l	99
18) Methyl Acetate	4.266	43	5188	0.71	ug/l #	70
20) Methylene Chloride	4.470	84	112620	17.42	ug/l	94
25) 2-Butanone	6.763	43	7379	1.96	ug/l	91
29) Tetrahydrofuran	7.128	42	771	0.31	ug/l #	34
31) Cyclohexane	7.592	56	11239	1.10	ug/l #	6
36) 1,1-Dichloropropene	7.589	75	39957	5.02	ug/l #	48
38) Carbon Tetrachloride	7.592	117	48319	5.82	ug/l #	16
43) Isopropyl Acetate	8.099	43	53806	4.08	ug/l #	86
45) 1,2-Dichloropropane	9.212	63	3370	0.48	ug/l #	44
48) Methyl methacrylate	9.207	41	256725	43.96	ug/l #	36
49) 1,4-Dioxane	9.201	88	143	1.54	ug/l #	1
51) 4-Methyl-2-Pentanone	9.925	43	6461	0.85	ug/l #	46
54) cis-1,3-Dichloropropene	9.845	75	87549	8.35	ug/l #	62
56) Ethyl methacrylate	10.371	69	135	5.20	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	51489	4.98	ug/l #	43
59) 2-Hexanone	10.708	43	746973	147.33	ug/l #	50
76) 1,2,3-Trichloropropane	12.350	75	178518	29.68	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.690	105	5596	0.33	ug/l #	53
81) trans-1,4-Dichloro-2-b...	12.350	75	178312	88.19	ug/l #	12
89) n-Butylbenzene	13.632	91	27	5.24	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.200	75	292	0.24	ug/l #	1

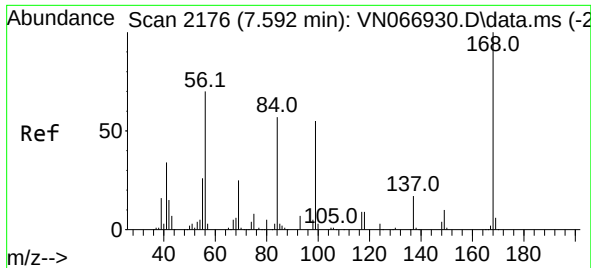
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 05 07:24:52 2021
Response via : Initial Calibration

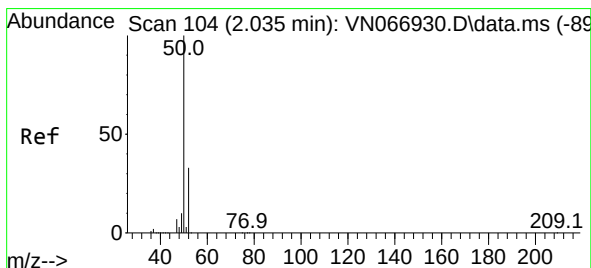
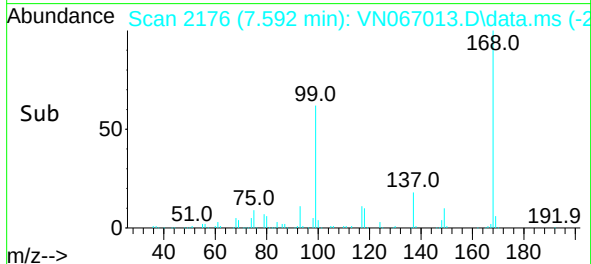
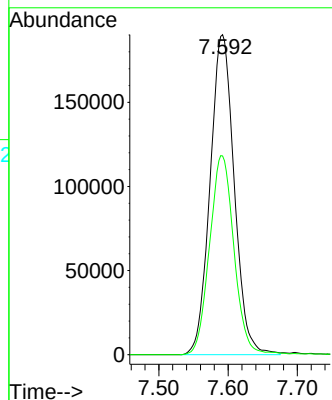
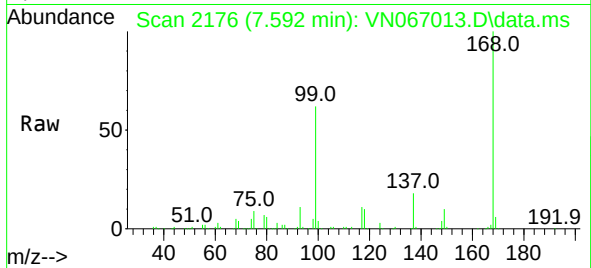




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

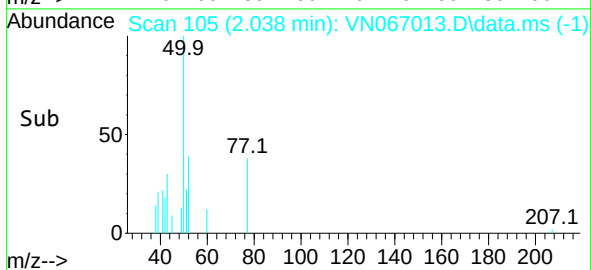
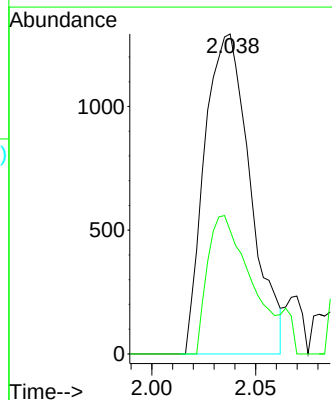
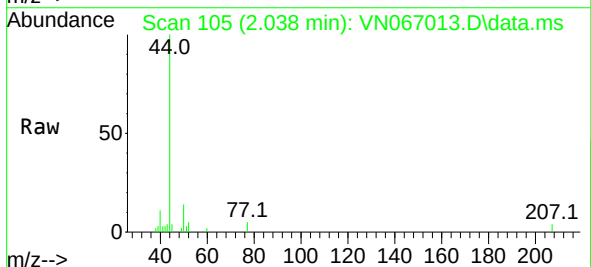
Instrument :
MSVOA_N
ClientSampled :

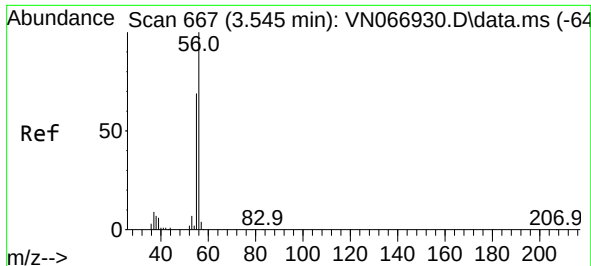
Tgt Ion:168 Resp: 460321
Ion Ratio Lower Upper
168 100
99 62.1 42.6 63.8



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.038 min Scan# 105
Delta R.T. 0.003 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Tgt Ion: 50 Resp: 1977
Ion Ratio Lower Upper
50 100
52 38.6 25.8 38.8

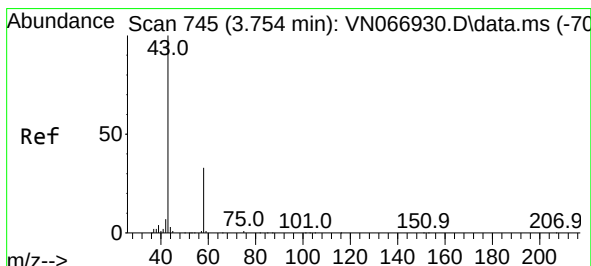
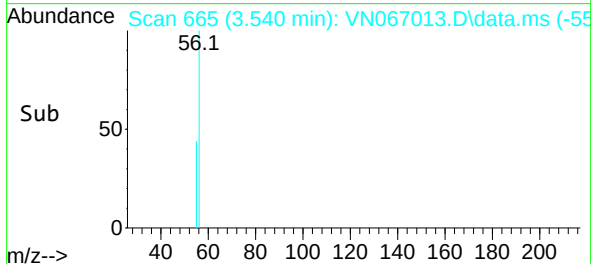
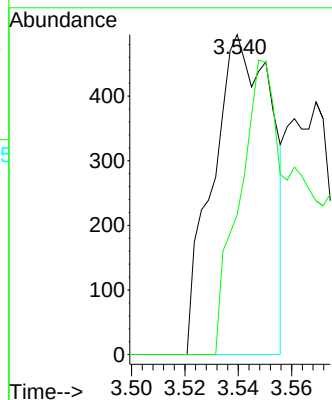
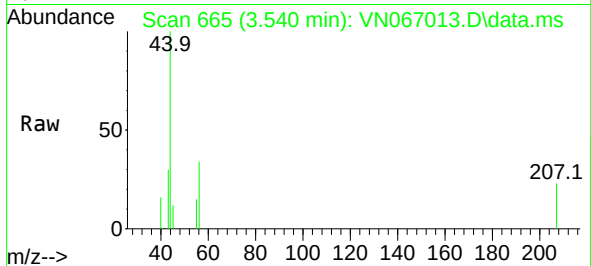




#13
Acrolein
Concen: 0.89 ug/l
RT: 3.540 min Scan# 665
Delta R.T. -0.005 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

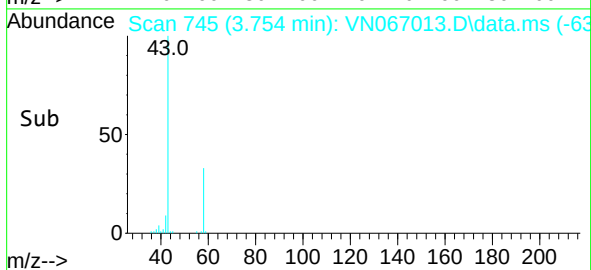
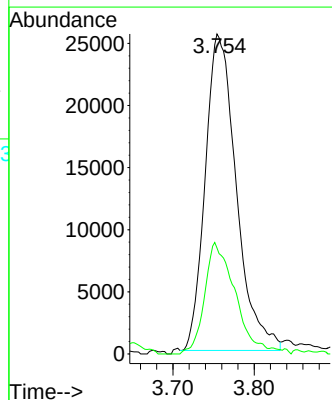
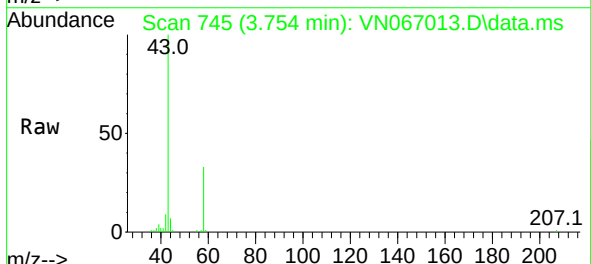
Instrument :
MSVOA_N
ClientSampled :

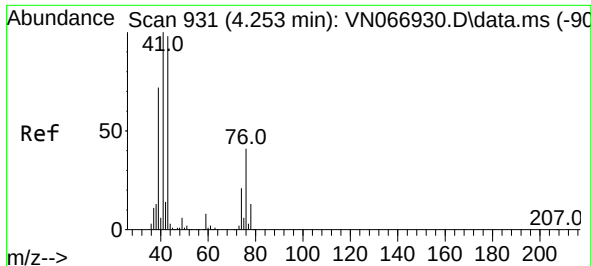
Tgt Ion: 56 Resp: 759
Ion Ratio Lower Upper
56 100
55 64.8 56.0 84.0



#16
Acetone
Concen: 26.61 ug/l
RT: 3.754 min Scan# 745
Delta R.T. 0.000 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

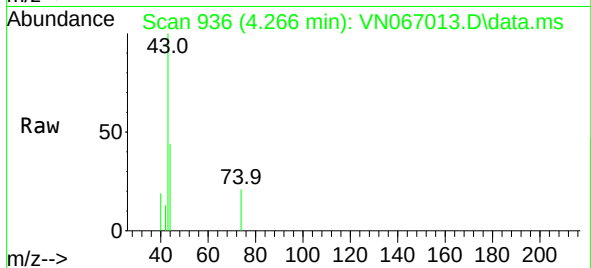
Tgt Ion: 43 Resp: 67816
Ion Ratio Lower Upper
43 100
58 33.4 27.0 40.6



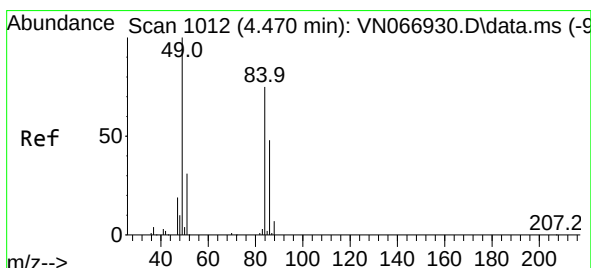
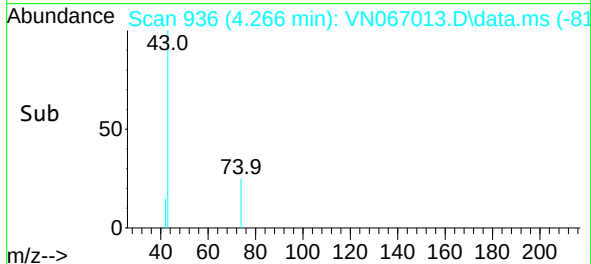
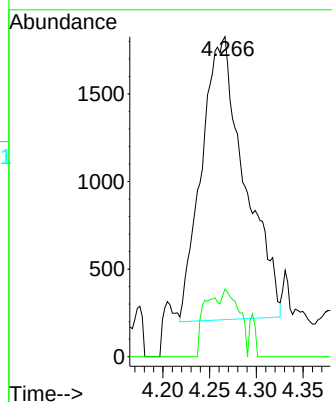


#18
Methyl Acetate
Concen: 0.71 ug/l
RT: 4.266 min Scan# 936
Delta R.T. 0.013 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Instrument :
MSVOA_N
ClientSampled :

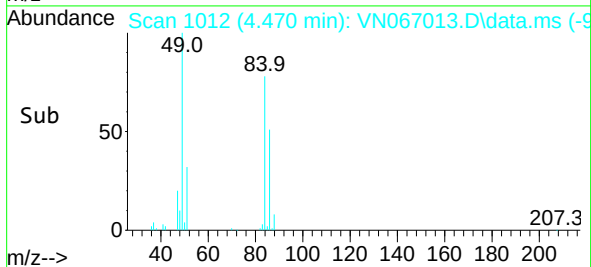
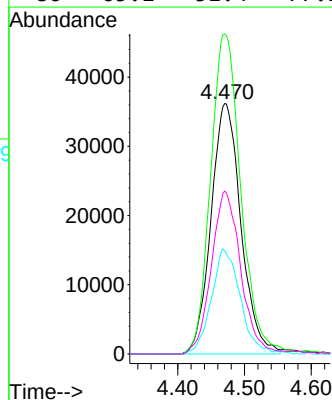
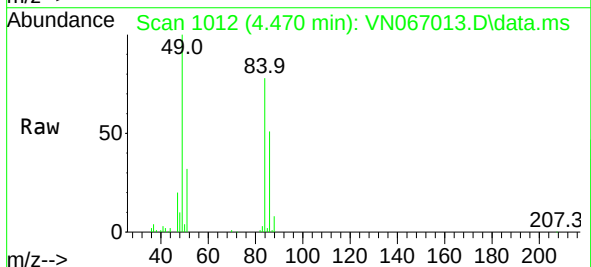


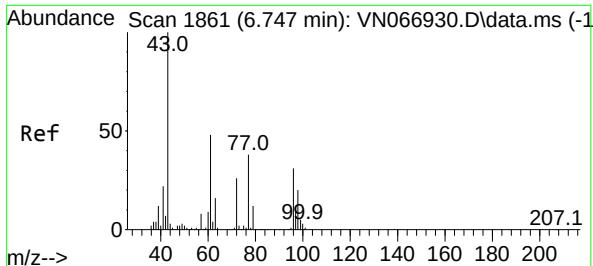
Tgt Ion: 43 Resp: 5188
Ion Ratio Lower Upper
43 100
74 9.4 19.5 29.3#



#20
Methylene Chloride
Concen: 17.42 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

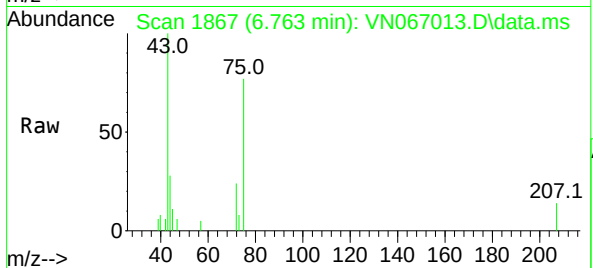
Tgt Ion: 84 Resp: 112620
Ion Ratio Lower Upper
84 100
49 127.8 94.6 141.8
51 41.3 29.9 44.9
86 65.1 51.4 77.2



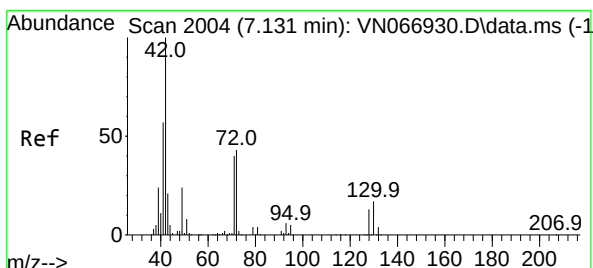
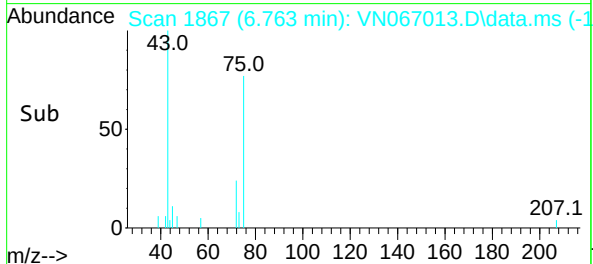
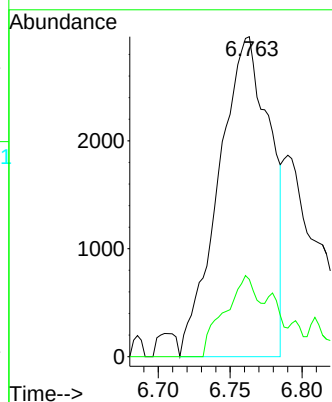


#25
2-Butanone
Concen: 1.96 ug/l
RT: 6.763 min Scan# 1867
Delta R.T. 0.016 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Instrument :
MSVOA_N
ClientSampled :

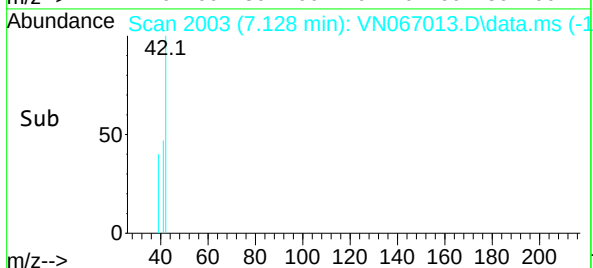
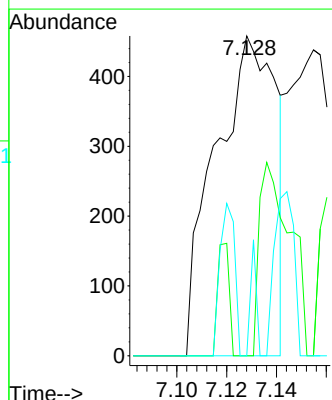
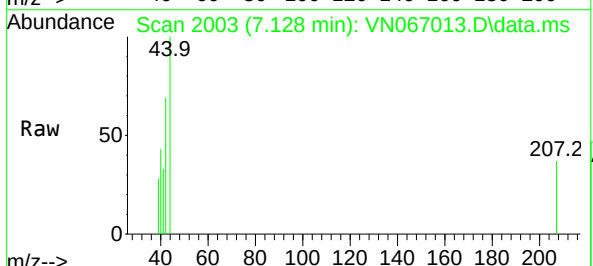


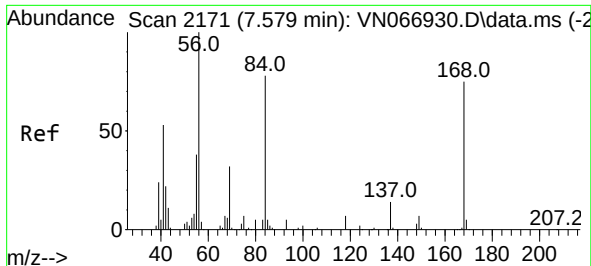
Tgt Ion: 43 Resp: 7379
Ion Ratio Lower Upper
43 100
72 24.1 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.31 ug/l
RT: 7.128 min Scan# 2003
Delta R.T. -0.003 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

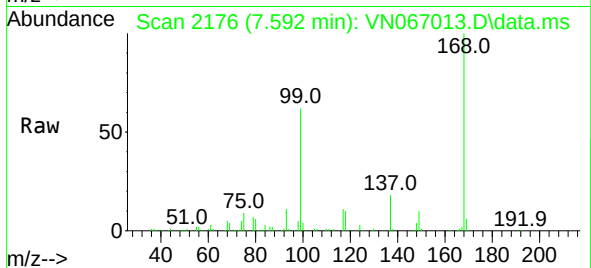
Tgt Ion: 42 Resp: 771
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 3.5 34.3 51.5#



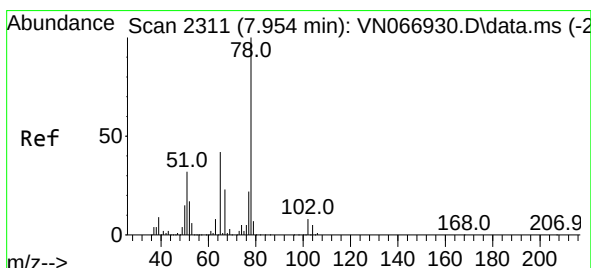
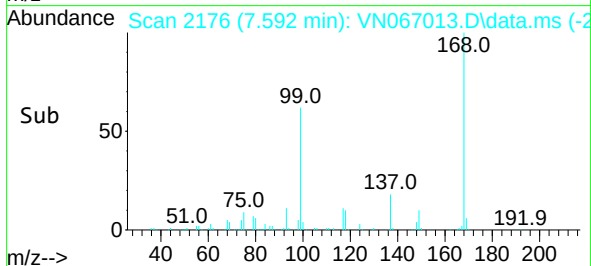
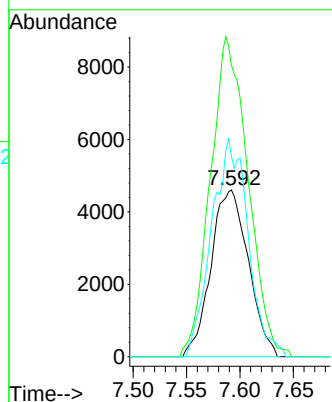


#31
Cyclohexane
Concen: 1.10 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Instrument :
MSVOA_N
ClientSampleId :

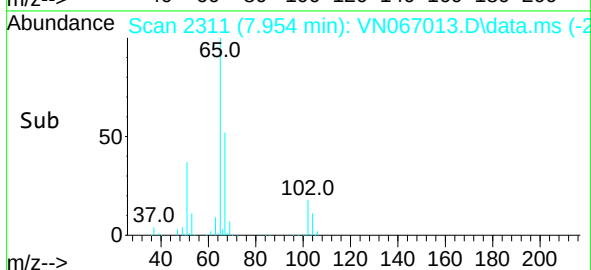
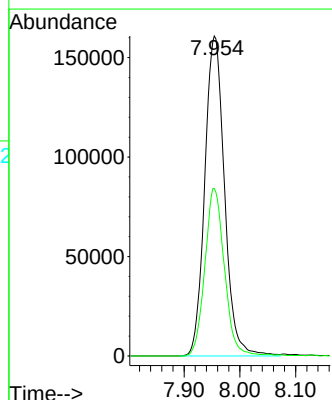
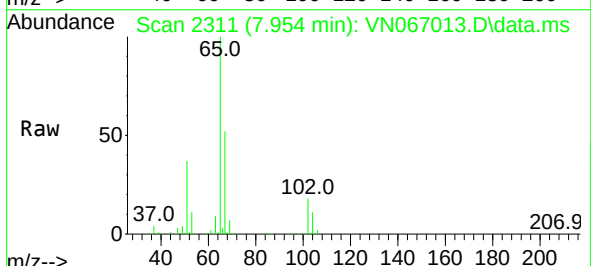


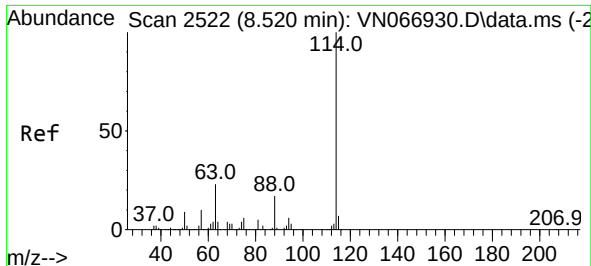
Tgt Ion: 56 Resp: 11239
Ion Ratio Lower Upper
56 100
69 174.8 26.6 39.8#
84 120.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 54.69 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

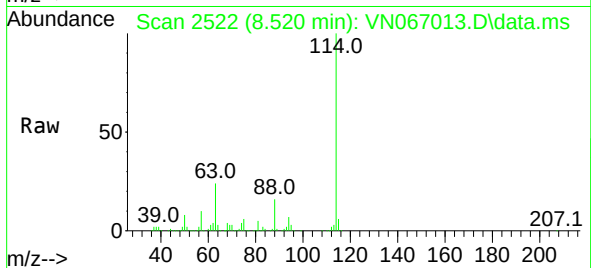
Tgt Ion: 65 Resp: 396224
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.2



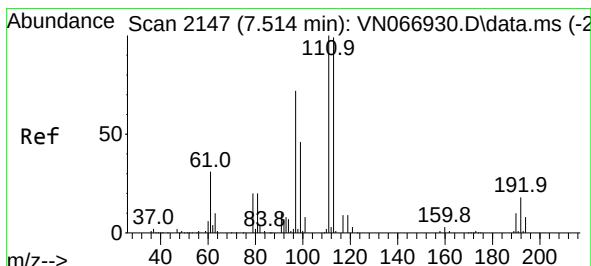
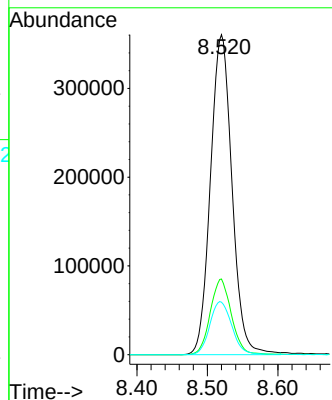
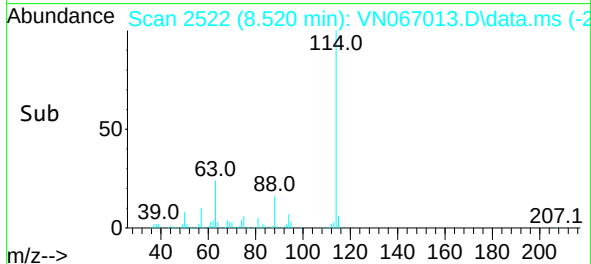


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

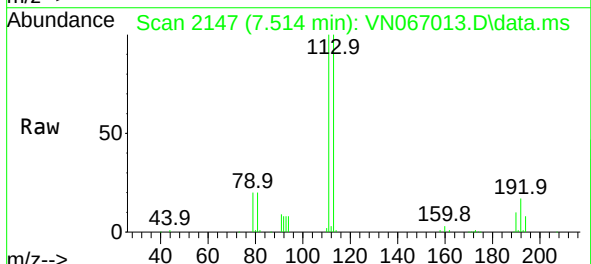
Instrument :
MSVOA_N
ClientSampled :



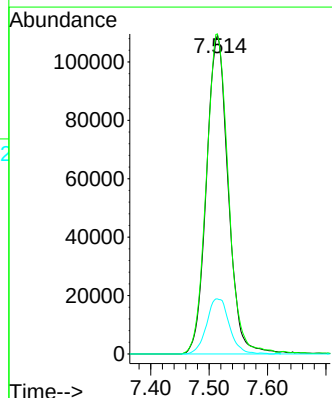
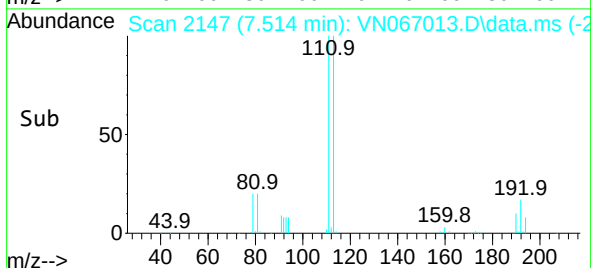
Tgt Ion:114 Resp: 764772
Ion Ratio Lower Upper
114 100
63 23.7 0.0 38.6
88 16.4 0.0 30.6

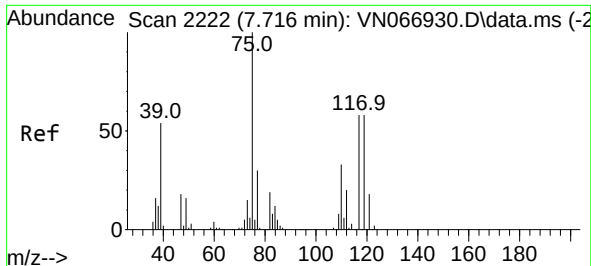


#35
Dibromofluoromethane
Concen: 54.10 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24



Tgt Ion:113 Resp: 280936
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 18.1 15.4 23.0

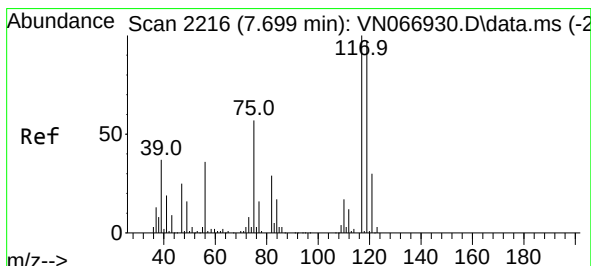
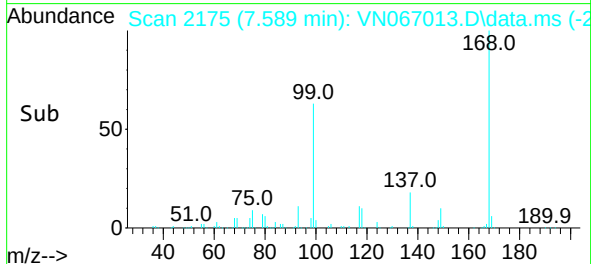
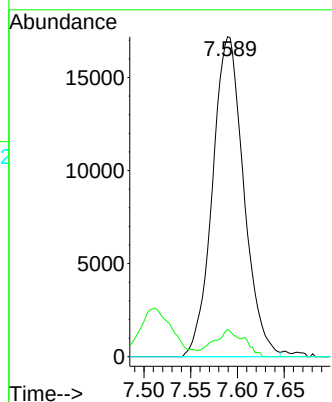
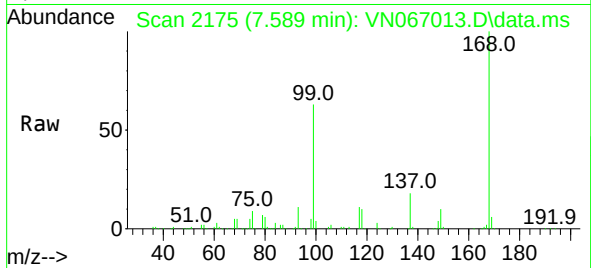




#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

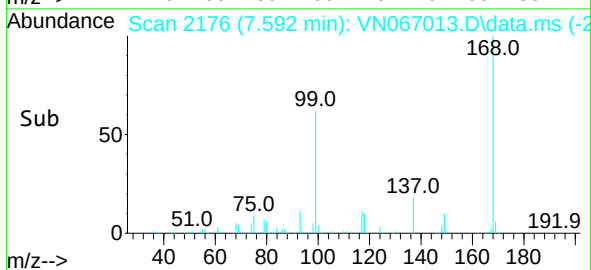
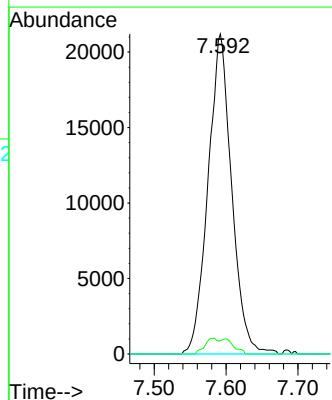
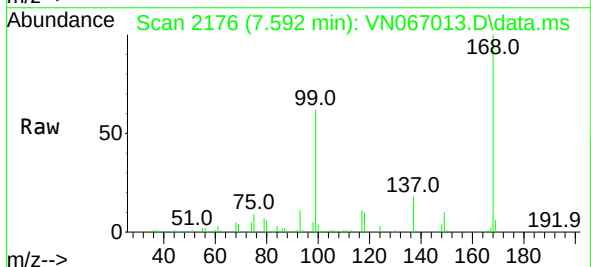
Instrument :
MSVOA_N
ClientSampleId :

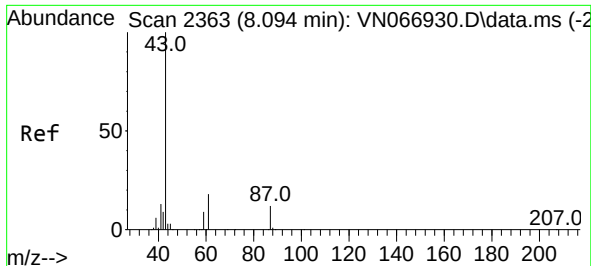
Tgt Ion: 75 Resp: 39957
Ion Ratio Lower Upper
75 100
110 8.2 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.82 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

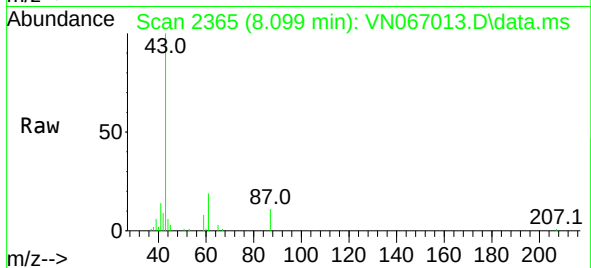
Tgt Ion: 117 Resp: 48319
Ion Ratio Lower Upper
117 100
119 4.2 76.0 114.0#
121 0.0 24.5 36.7#



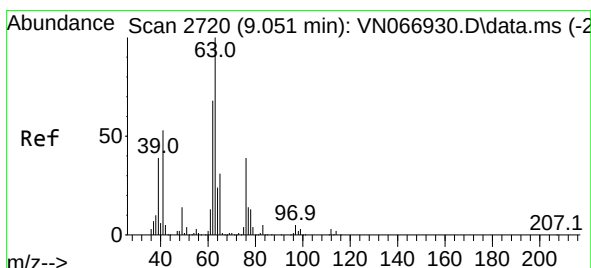
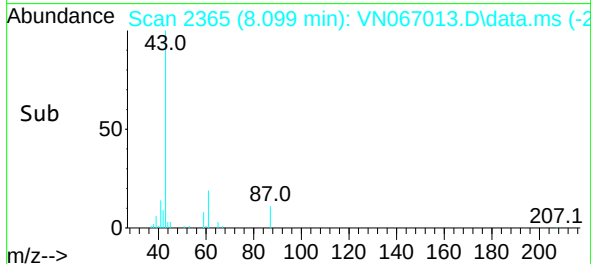
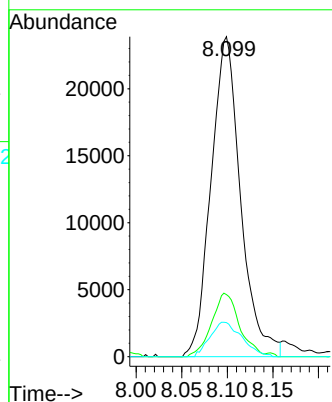


#43
Isopropyl Acetate
Concen: 4.08 ug/l
RT: 8.099 min Scan# 2365
Delta R.T. 0.005 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Instrument :
MSVOA_N
ClientSampled :

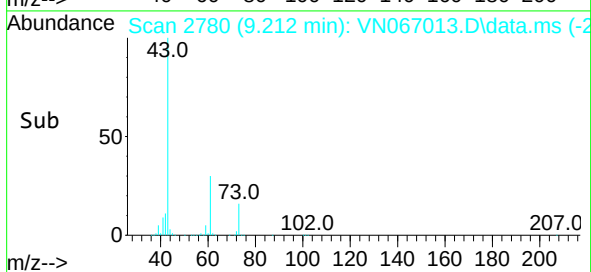
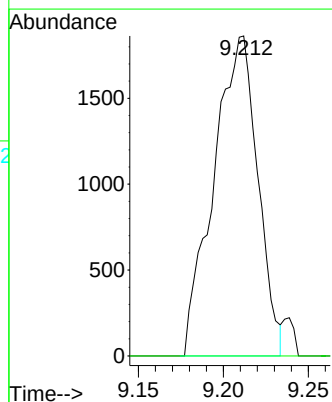
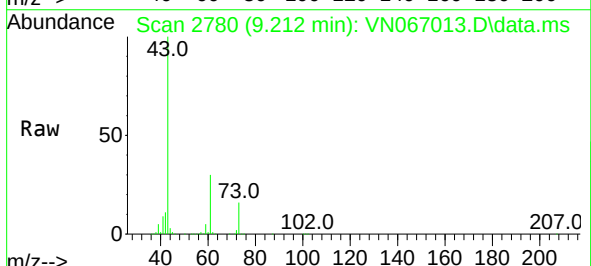


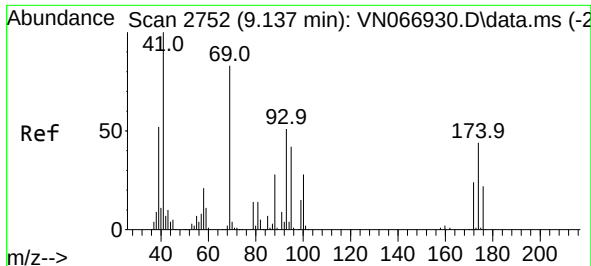
Tgt Ion: 43 Resp: 53806
Ion Ratio Lower Upper
43 100
61 18.6 22.5 33.7#
87 11.6 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.48 ug/l
RT: 9.212 min Scan# 2780
Delta R.T. 0.161 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Tgt Ion: 63 Resp: 3370
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 43.96 ug/l

RT: 9.207 min Scan# 2778

Delta R.T. 0.070 min

Lab File: VN067013.D

Acq: 6 May 2021 16:24

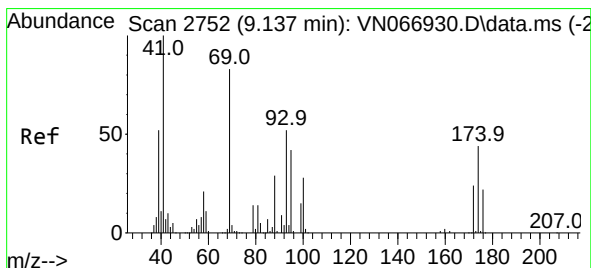
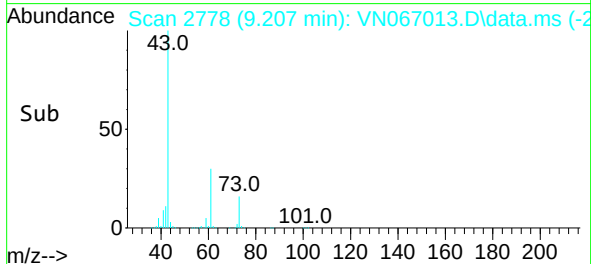
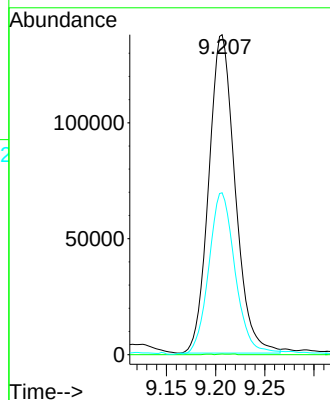
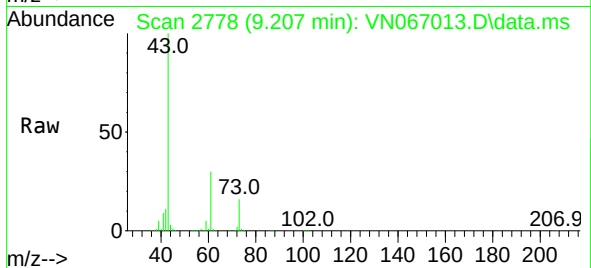
Tgt Ion: 41 Resp: 256725

Ion Ratio Lower Upper

41 100

69 0.1 75.9 113.9#

39 50.5 46.6 69.8



#49

1,4-Dioxane

Concen: 1.54 ug/l

RT: 9.201 min Scan# 2776

Delta R.T. 0.064 min

Lab File: VN067013.D

Acq: 6 May 2021 16:24

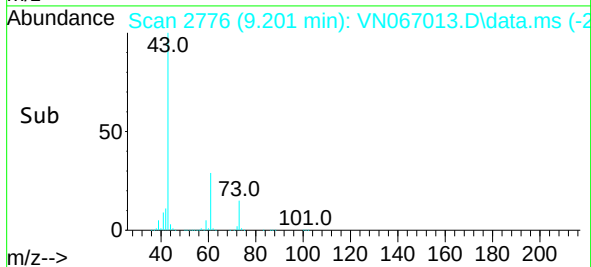
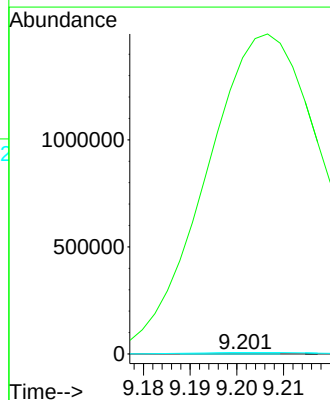
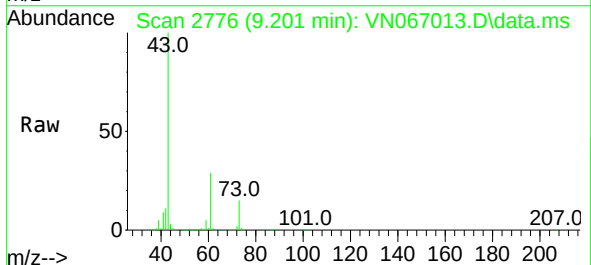
Tgt Ion: 88 Resp: 143

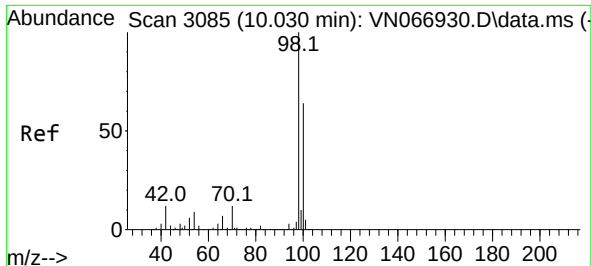
Ion Ratio Lower Upper

88 100

43 2009514.0 24.7 37.1#

58 9893.7 52.6 78.8#

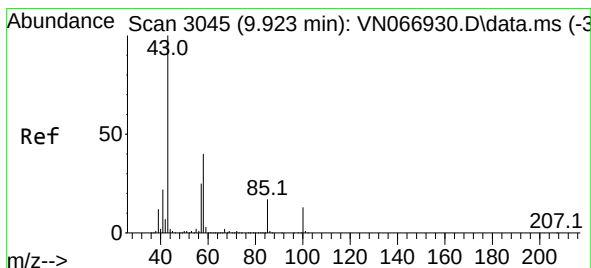
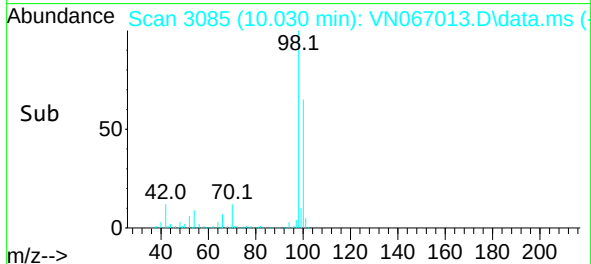
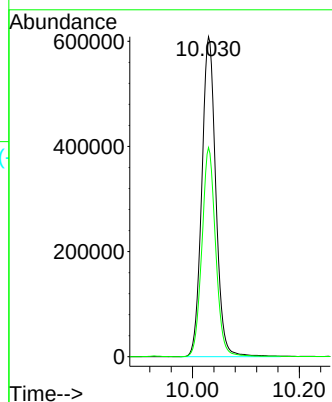
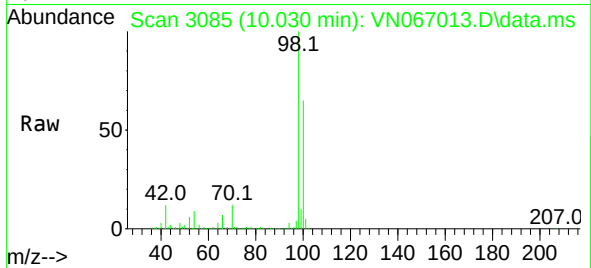




#50
Toluene-d8
Concen: 56.23 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

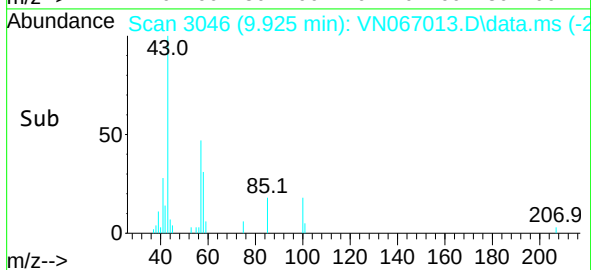
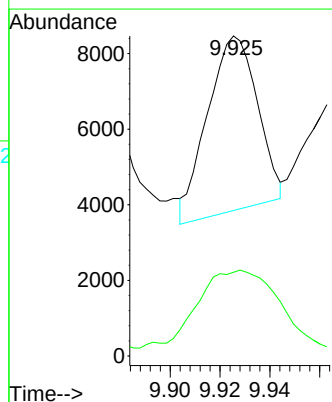
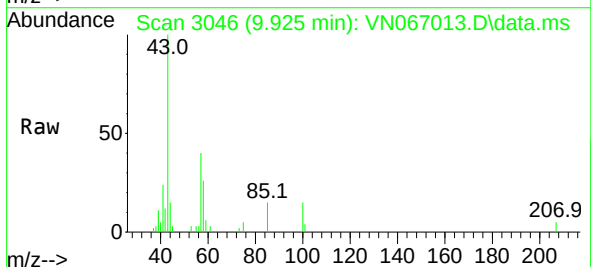
Instrument :
MSVOA_N
ClientSampled :

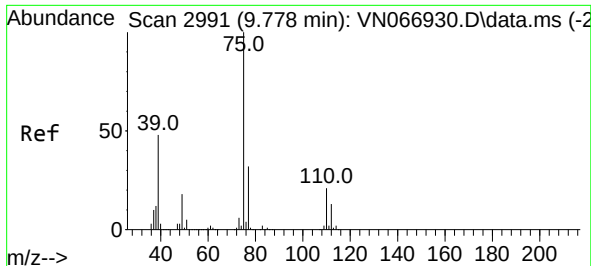
Tgt Ion: 98 Resp: 1112099
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.85 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

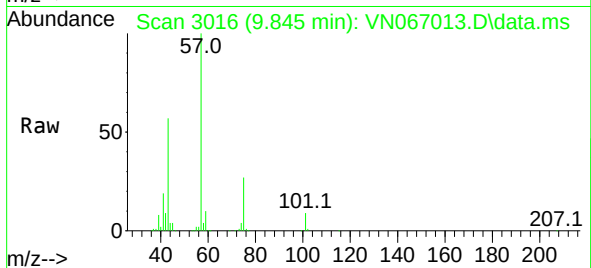
Tgt Ion: 43 Resp: 6461
Ion Ratio Lower Upper
43 100
58 74.3 32.5 48.7#



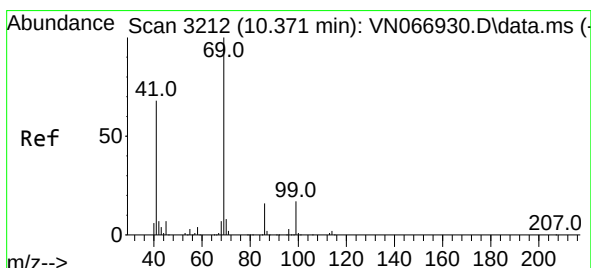
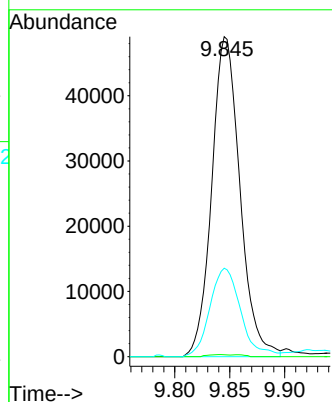
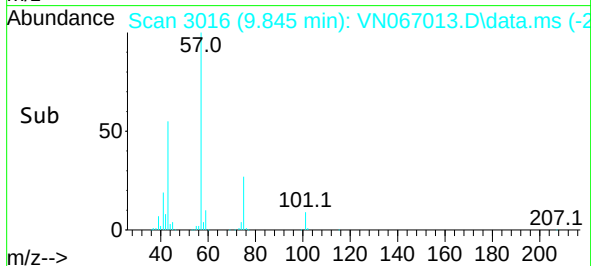


#54
cis-1,3-Dichloropropene
Concen: 8.35 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

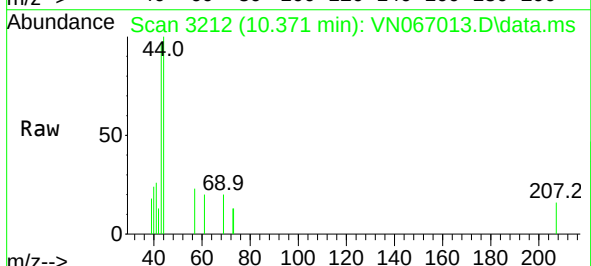
Instrument :
MSVOA_N
ClientSampled :



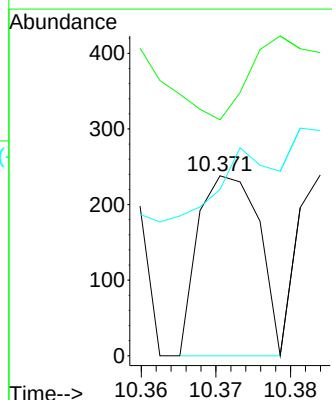
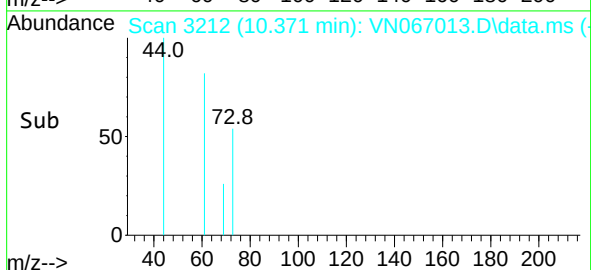
Tgt Ion: 75 Resp: 87549
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 27.6 36.2 54.4#

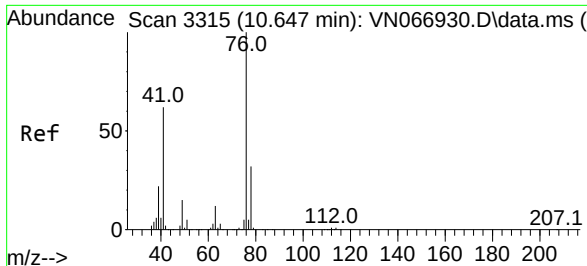


#56
Ethyl methacrylate
Concen: 5.20 ug/l
RT: 10.371 min Scan# 3212
Delta R.T. -0.000 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24



Tgt Ion: 69 Resp: 135
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

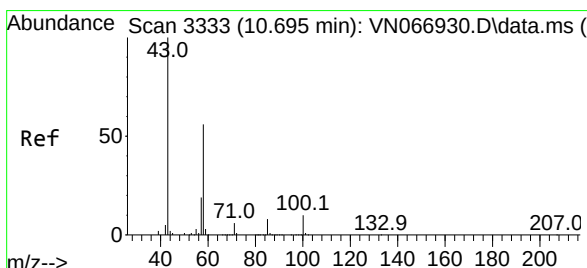
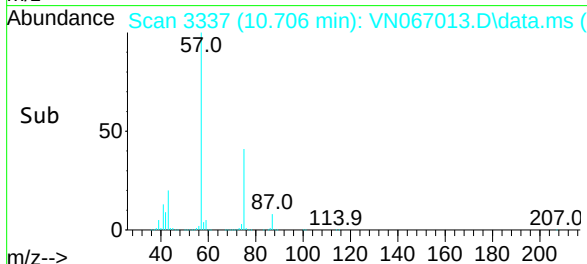
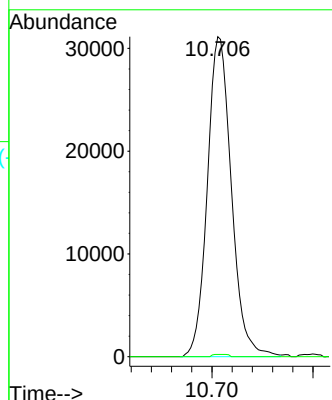
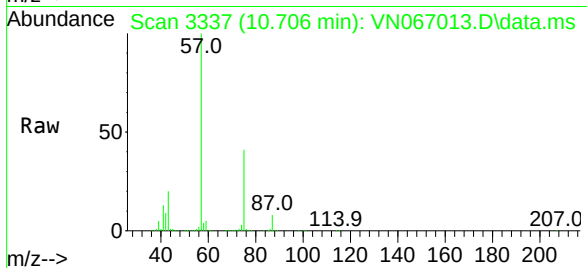




#57
1,3-Dichloropropane
Concen: 4.98 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

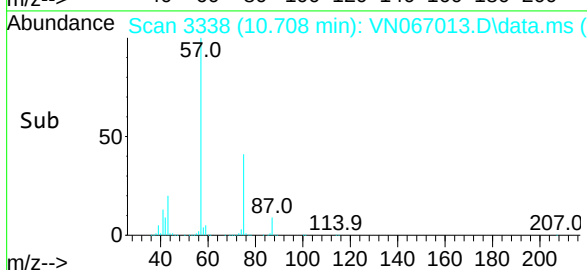
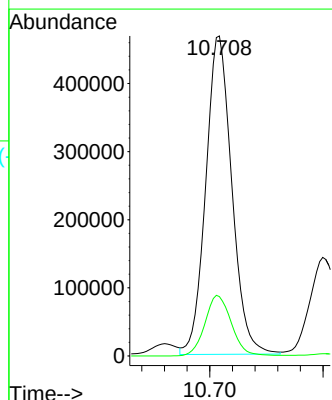
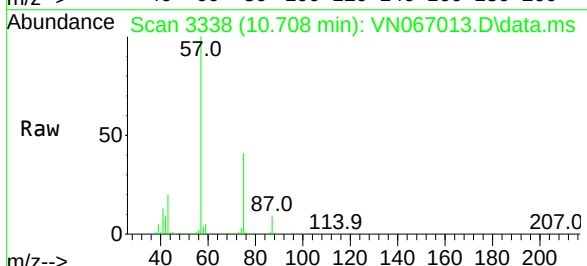
Instrument :
MSVOA_N
ClientSampled :

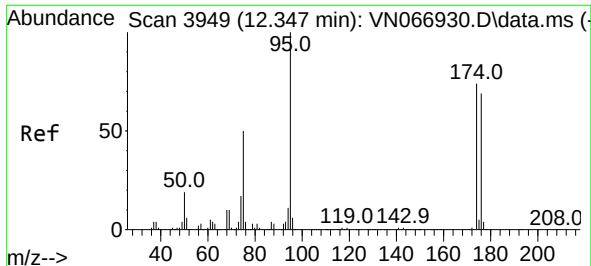
Tgt Ion: 76 Resp: 51489
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#



#59
2-Hexanone
Concen: 147.33 ug/l
RT: 10.708 min Scan# 3338
Delta R.T. 0.013 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Tgt Ion: 43 Resp: 746973
Ion Ratio Lower Upper
43 100
58 19.4 28.1 84.3#

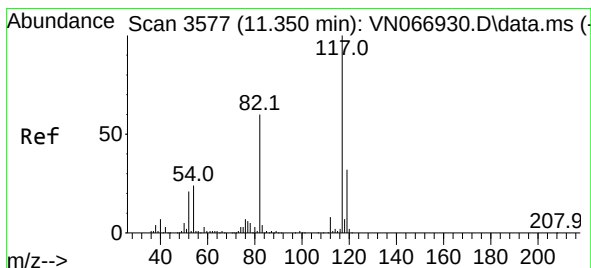
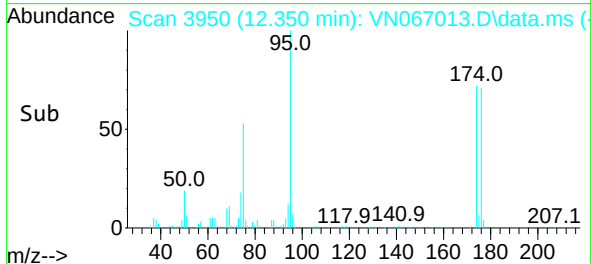
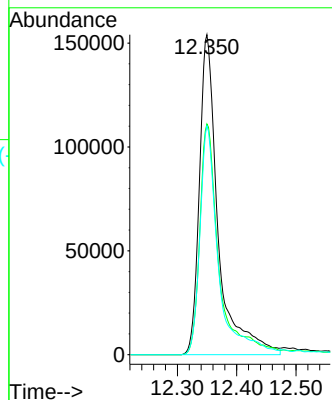
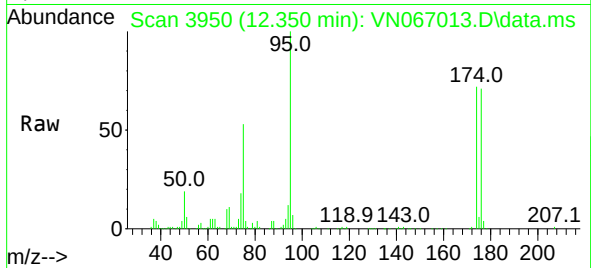




#62
4-Bromofluorobenzene
Concen: 50.65 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

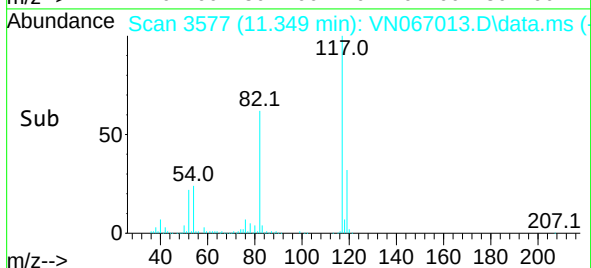
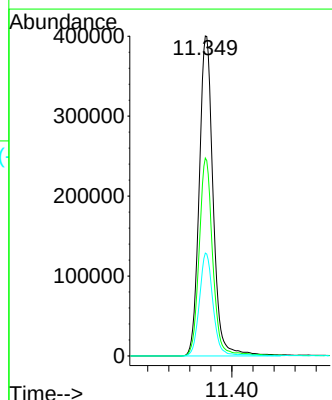
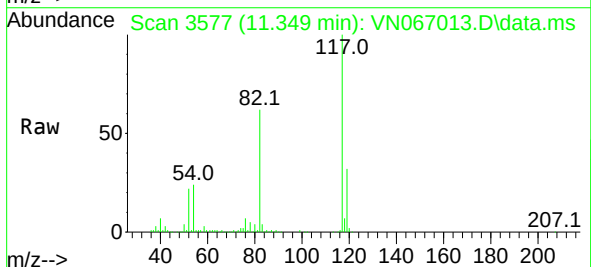
Instrument :
MSVOA_N
ClientSampleId :

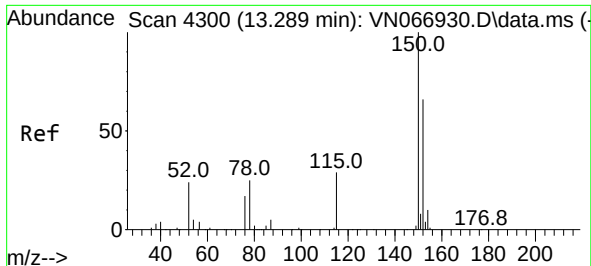
Tgt Ion: 95 Resp: 339167
Ion Ratio Lower Upper
95 100
174 73.7 0.0 169.0
176 70.6 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3577
Delta R.T. -0.001 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Tgt Ion: 117 Resp: 733970
Ion Ratio Lower Upper
117 100
82 61.9 43.7 65.5
119 32.1 26.1 39.1

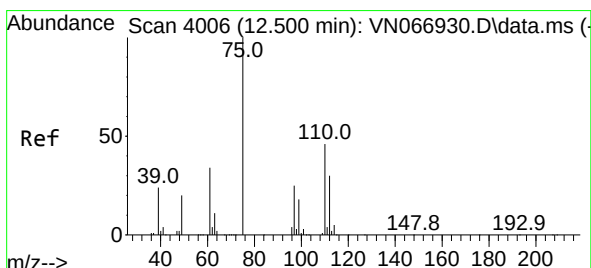
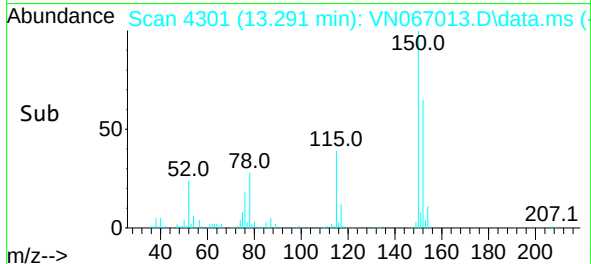
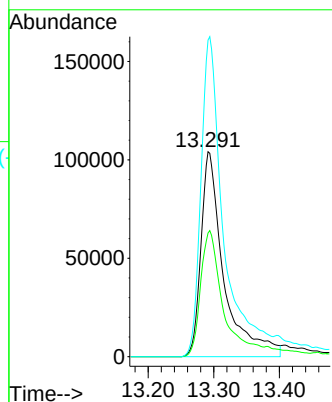
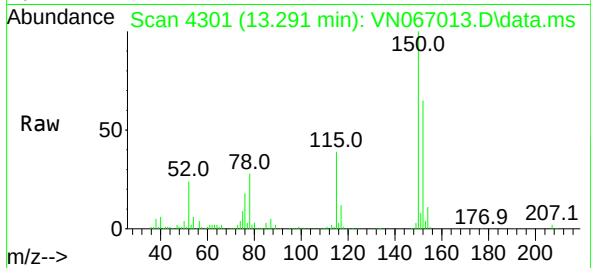




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

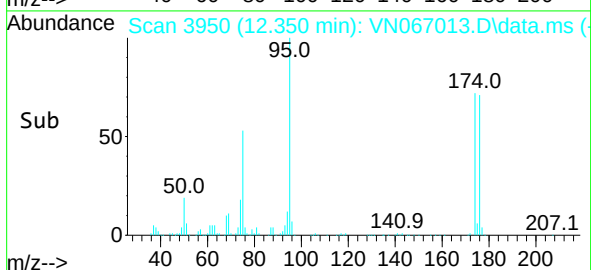
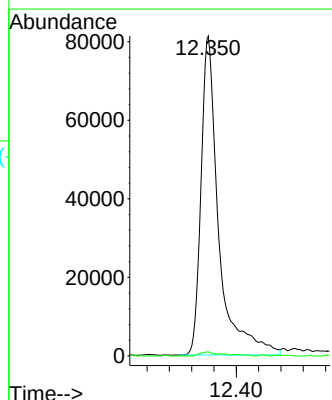
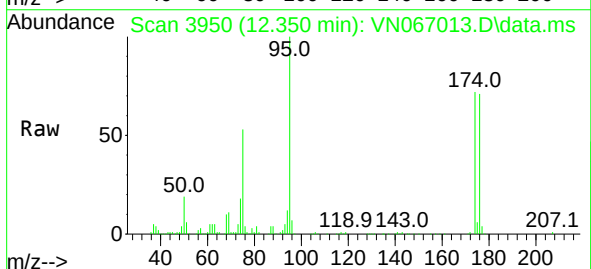
Instrument :
MSVOA_N
ClientSampleId :

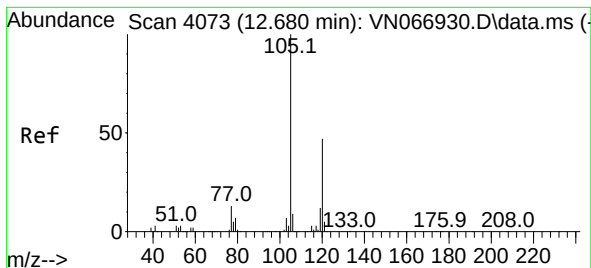
Tgt Ion:152 Resp: 252463
Ion Ratio Lower Upper
152 100
115 60.6 28.5 85.6
150 155.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 29.68 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Tgt Ion: 75 Resp: 178518
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

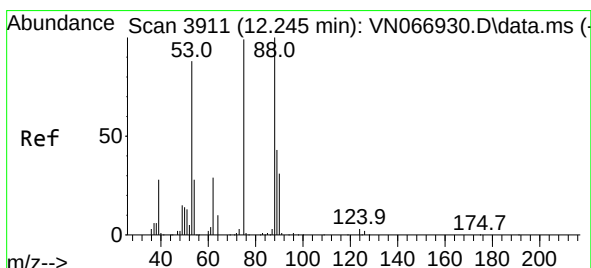
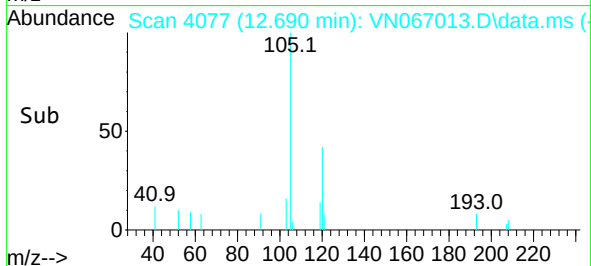
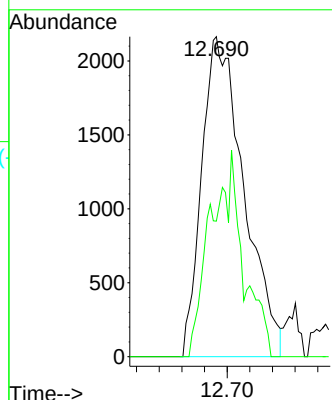
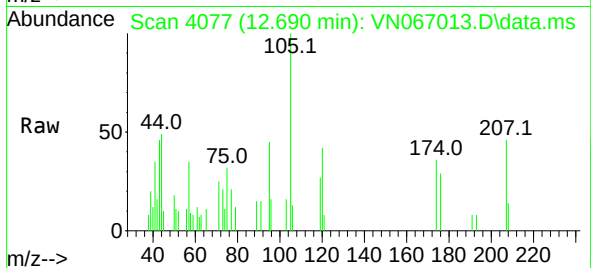




#80
1,3,5-Trimethylbenzene
Concen: 0.33 ug/l
RT: 12.690 min Scan# 4077
Delta R.T. 0.010 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

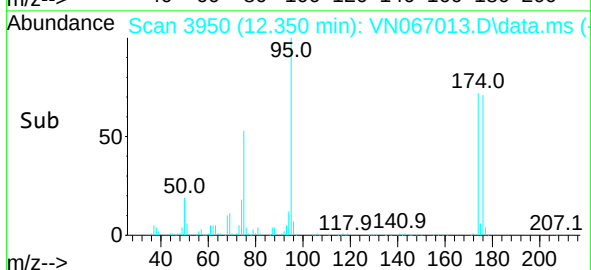
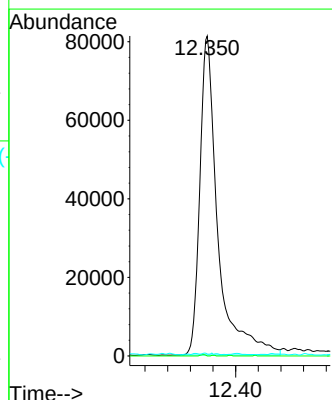
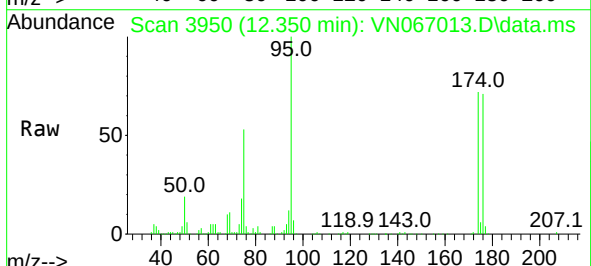
Instrument :
MSVOA_N
ClientSampleId :

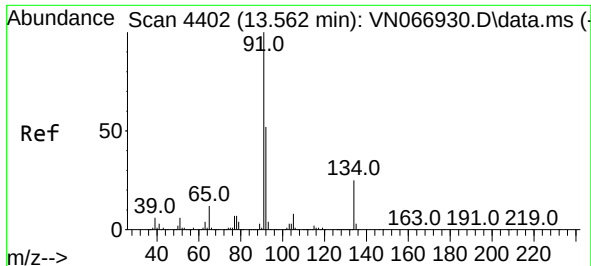
Tgt Ion:105 Resp: 5596
Ion Ratio Lower Upper
105 100
120 16.6 24.3 72.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.19 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Tgt Ion: 75 Resp: 178312
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

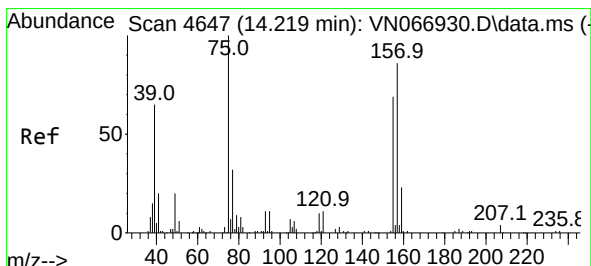
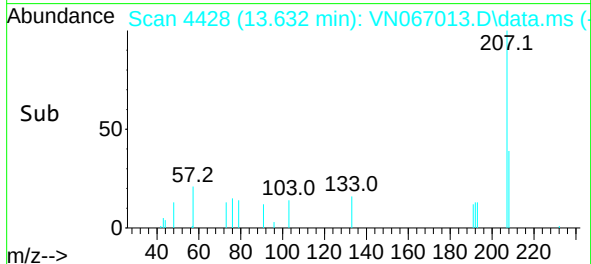
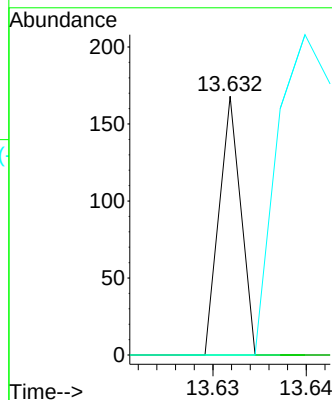
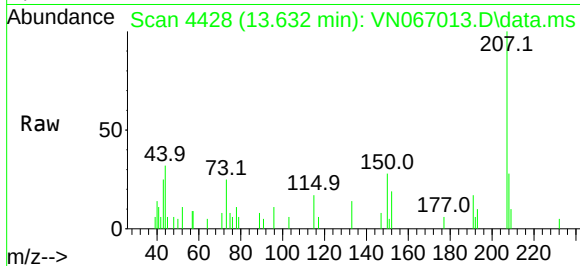




#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.632 min Scan# 4428
Delta R.T. 0.070 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 27
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 322.2 13.0 38.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.24 ug/l
RT: 14.200 min Scan# 4640
Delta R.T. -0.019 min
Lab File: VN067013.D
Acq: 6 May 2021 16:24

Tgt Ion: 75 Resp: 292
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

