

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066965.D
 Acq On : 5 May 2021 3:57
 Operator : JC/MD
 Sample : M2256-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:50:15 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)

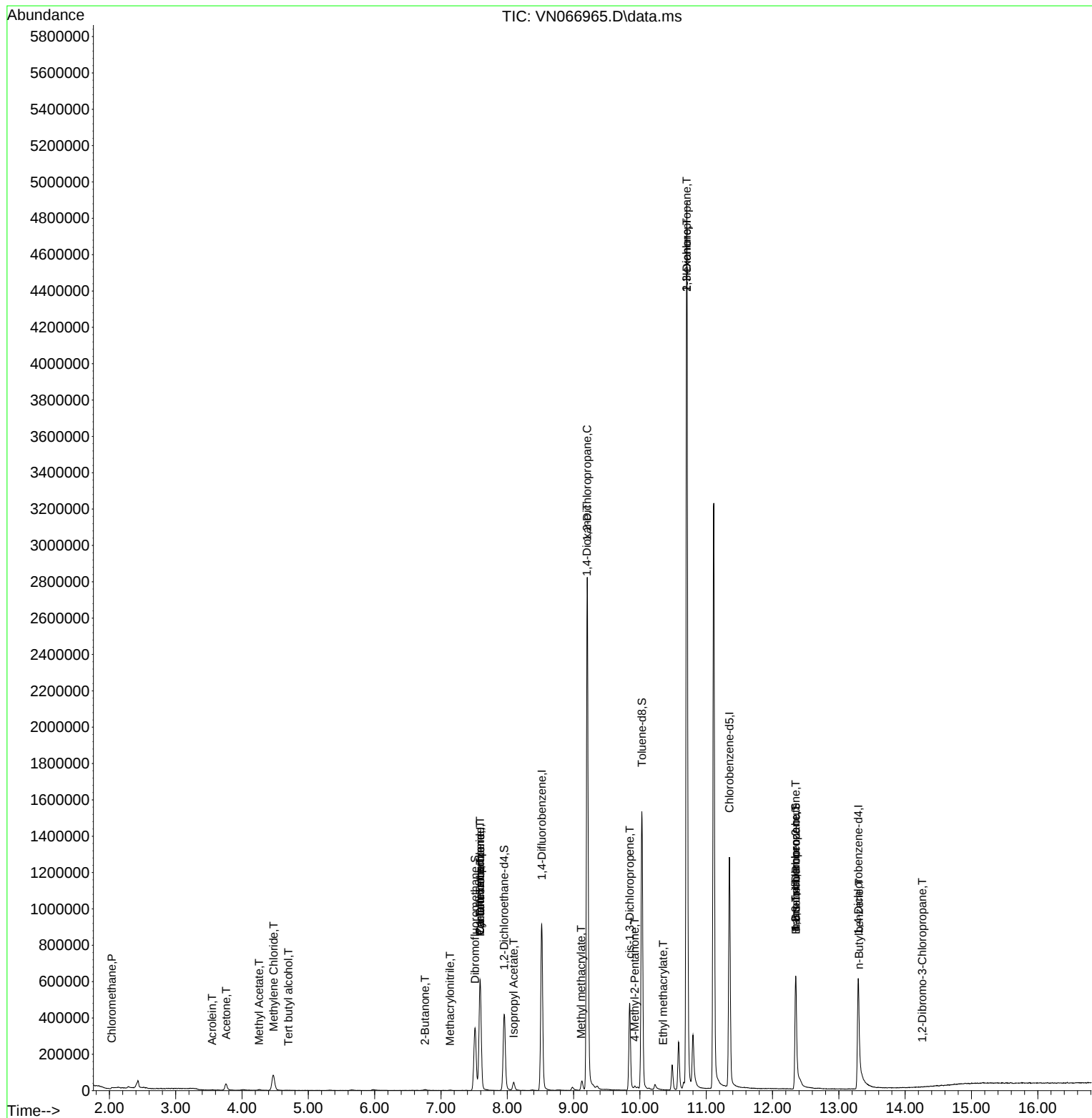
Internal Standards						
1) Pentafluorobenzene	7.592	168	463140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	784425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	727074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	248181	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	378741	51.95	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.90%			
35) Dibromofluoromethane	7.514	113	271610	50.99	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.98%			
50) Toluene-d8	10.030	98	1048905	51.71	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.42%			
62) 4-Bromofluorobenzene	12.350	95	295906	43.08	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.16%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.035	50	1944	0.22	ug/l	89
11) Tert butyl alcohol	4.701	59	407	0.40	ug/l #	73
13) Acrolein	3.548	56	1056	1.23	ug/l #	70
16) Acetone	3.760	43	58849	22.95	ug/l	95
18) Methyl Acetate	4.258	43	6335	0.86	ug/l #	81
20) Methylene Chloride	4.476	84	60986	9.38	ug/l	98
25) 2-Butanone	6.758	43	7235	1.91	ug/l #	81
31) Cyclohexane	7.589	56	11984	1.17	ug/l #	17
36) 1,1-Dichloropropene	7.589	75	41302	5.06	ug/l #	49
38) Carbon Tetrachloride	7.589	117	47716	5.60	ug/l #	18
41) Methacrylonitrile	7.139	41	799	0.22	ug/l #	100
43) Isopropyl Acetate	8.096	43	55067	4.07	ug/l #	87
45) 1,2-Dichloropropane	9.204	63	3637	0.51	ug/l #	44
48) Methyl methacrylate	9.115	41	12435	2.08	ug/l #	10
49) 1,4-Dioxane	9.201	88	293	3.09	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	14385	1.84	ug/l #	85
54) cis-1,3-Dichloropropene	9.845	75	88975	8.27	ug/l #	65
56) Ethyl methacrylate	10.352	69	279	5.22	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	49863	4.70	ug/l #	43
59) 2-Hexanone	10.706	43	719772	140.13	ug/l #	50
71) Bromoform	12.353	173	2393	0.55	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	138949	23.50	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	138949	71.05	ug/l #	12
89) n-Butylbenzene	13.305	91	406	5.27	ug/l #	45
92) 1,2-Dibromo-3-Chloropr...	14.257	75	276	0.23	ug/l #	1

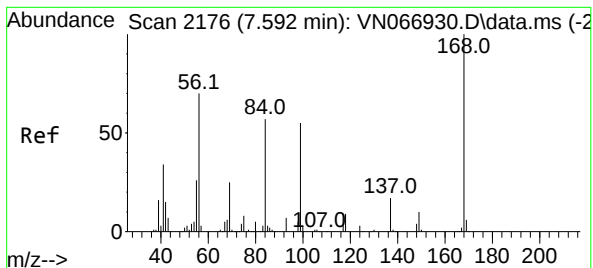
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 05 07:24:52 2021
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.592 min Scan# 2176

Delta R.T. 0.000 min

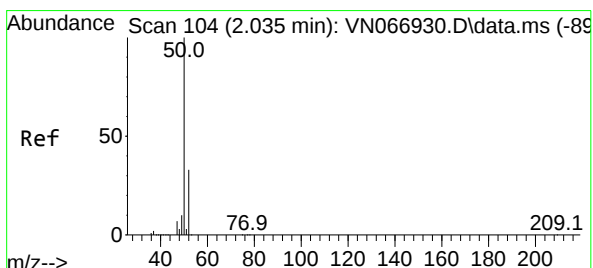
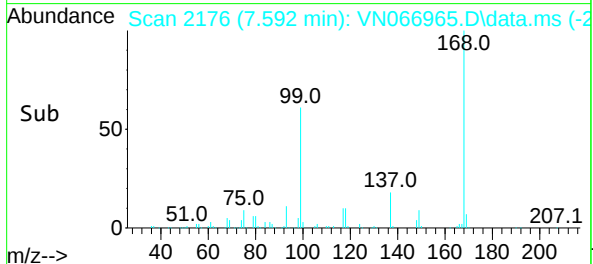
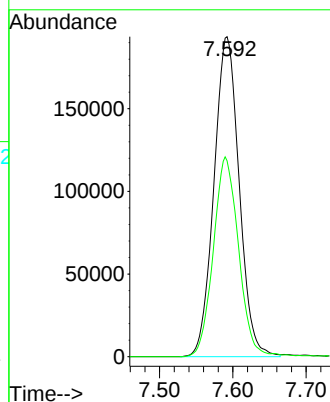
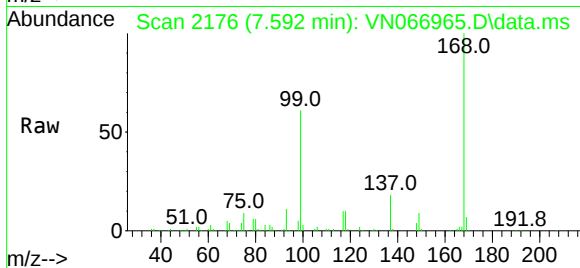
Lab File: VN066965.D

Acq: 5 May 2021 3:57

Tgt Ion:168 Resp: 463140

Ion Ratio Lower Upper

168	100		
99	61.2	42.6	63.8



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.035 min Scan# 104

Delta R.T. 0.000 min

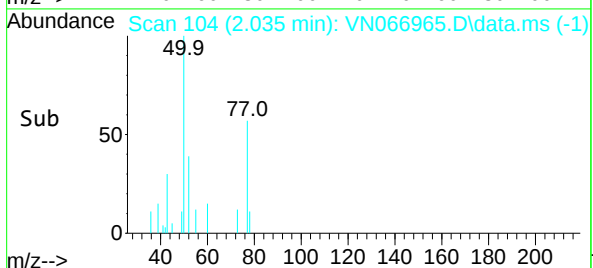
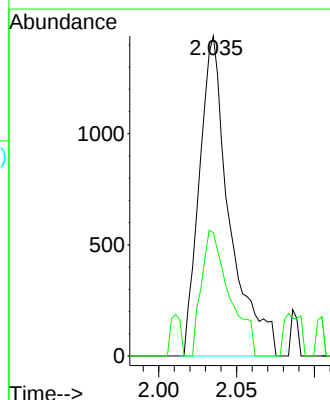
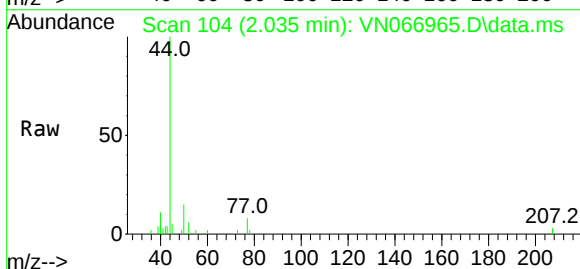
Lab File: VN066965.D

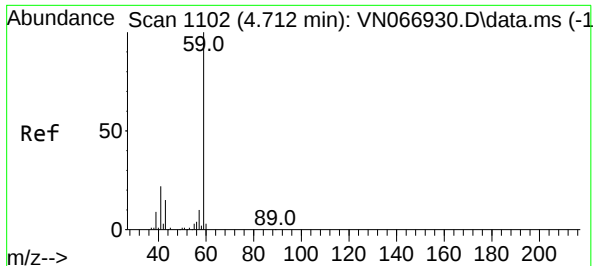
Acq: 5 May 2021 3:57

Tgt Ion: 50 Resp: 1944

Ion Ratio Lower Upper

50	100		
52	38.5	25.8	38.8



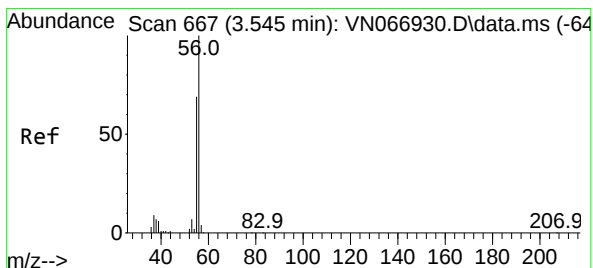
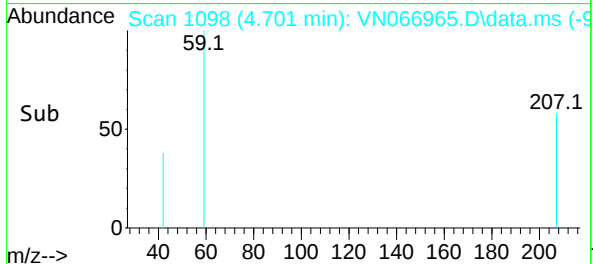
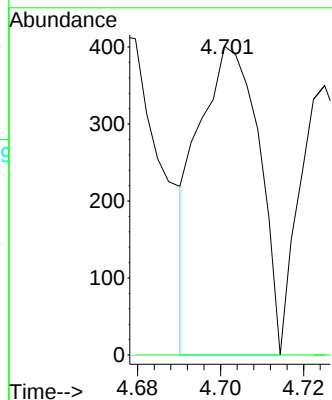
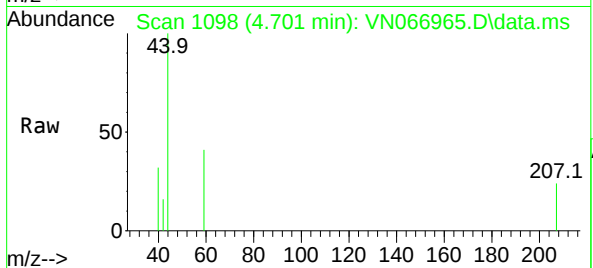


#11

Tert butyl alcohol
Concen: 0.40 ug/l
RT: 4.701 min Scan# 1098
Delta R.T. -0.011 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

Instrument :
MSVOA_N
ClientSampled :

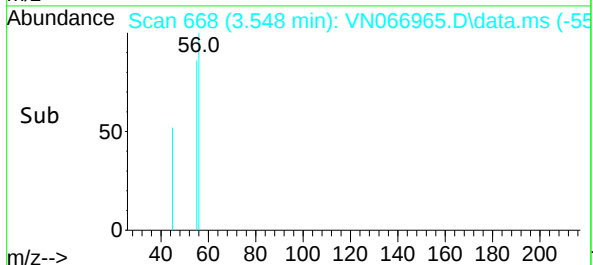
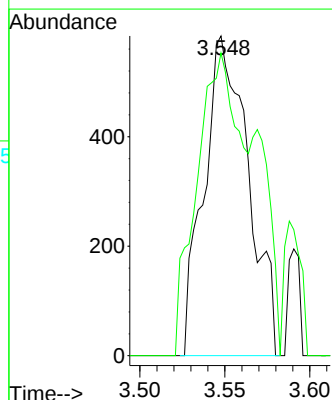
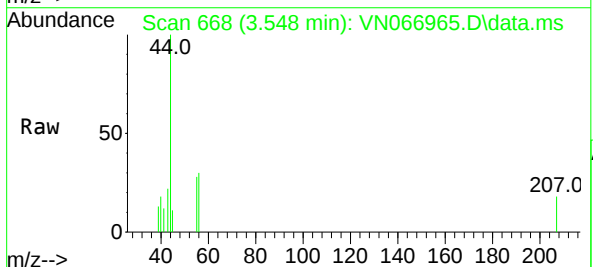
Tgt Ion: 59 Resp: 407
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

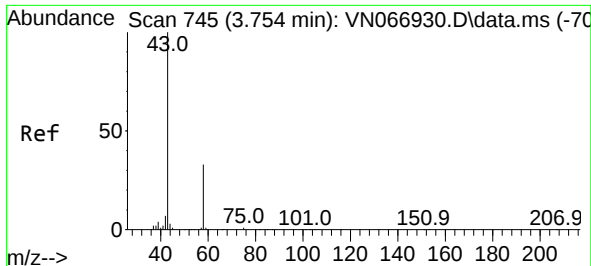


#13

Acrolein
Concen: 1.23 ug/l
RT: 3.548 min Scan# 668
Delta R.T. 0.003 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

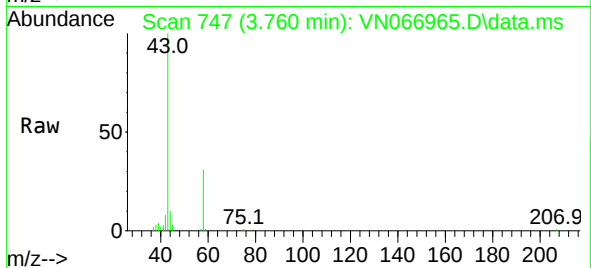
Tgt Ion: 56 Resp: 1056
Ion Ratio Lower Upper
56 100
55 94.2 56.0 84.0#



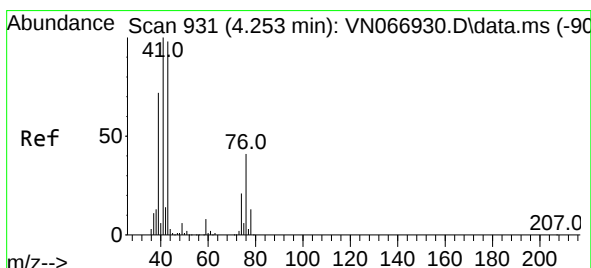
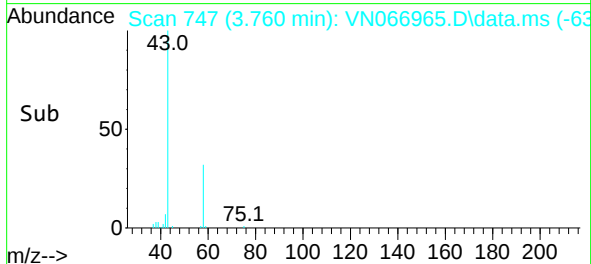
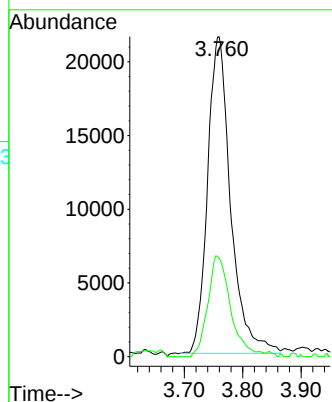


#16
Acetone
Concen: 22.95 ug/l
RT: 3.760 min Scan# 747
Delta R.T. 0.006 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

Instrument :
MSVOA_N
ClientSampled :

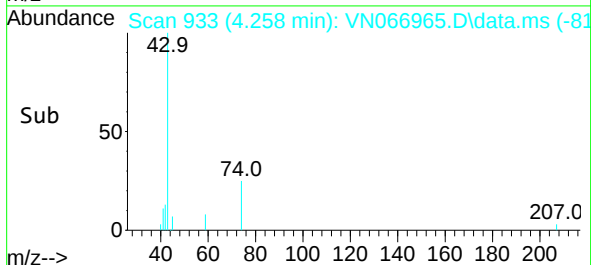
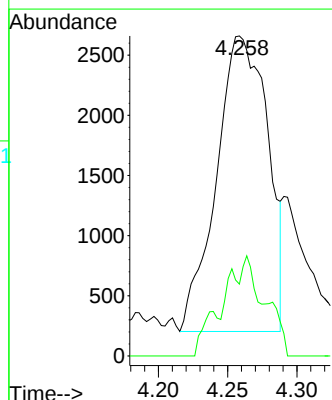
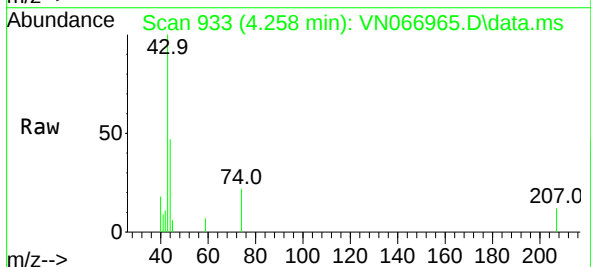


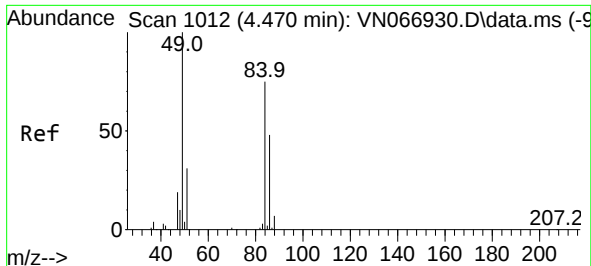
Tgt Ion: 43 Resp: 58849
Ion Ratio Lower Upper
43 100
58 31.2 27.0 40.6



#18
Methyl Acetate
Concen: 0.86 ug/l
RT: 4.258 min Scan# 933
Delta R.T. 0.005 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

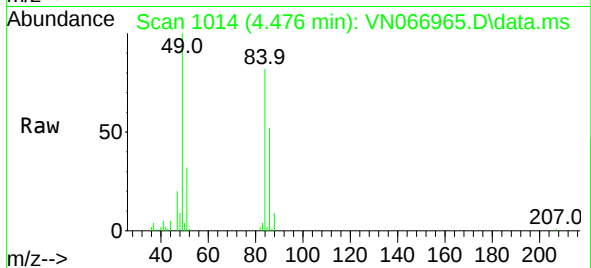
Tgt Ion: 43 Resp: 6335
Ion Ratio Lower Upper
43 100
74 15.1 19.5 29.3#



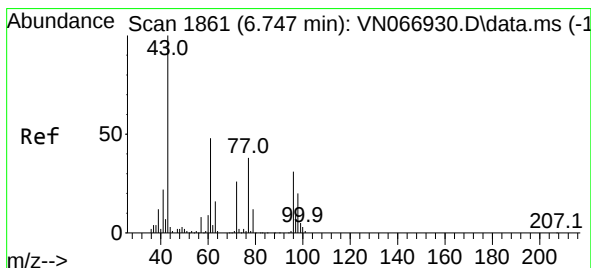
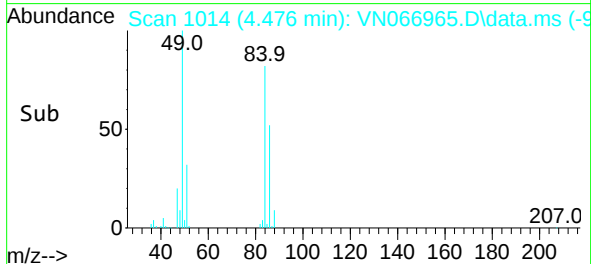
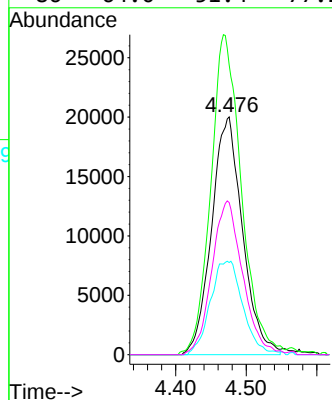


#20
Methylene Chloride
Concen: 9.38 ug/l
RT: 4.476 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

Instrument :
MSVOA_N
ClientSampled :

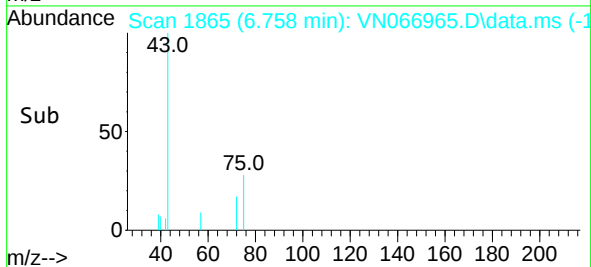
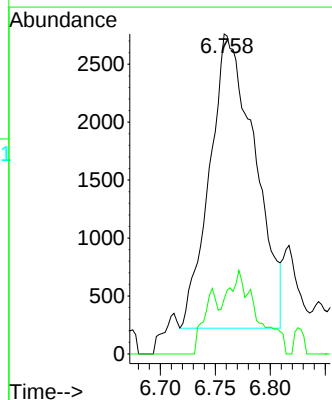
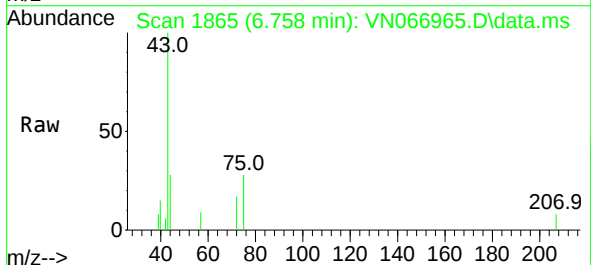


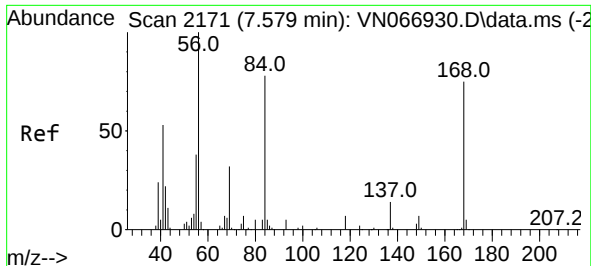
Tgt Ion: 84	Resp: 60986		
Ion	Ratio	Lower	Upper
84	100		
49	120.9	94.6	141.8
51	38.8	29.9	44.9
86	64.0	51.4	77.2



#25
2-Butanone
Concen: 1.91 ug/l
RT: 6.758 min Scan# 1865
Delta R.T. 0.011 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

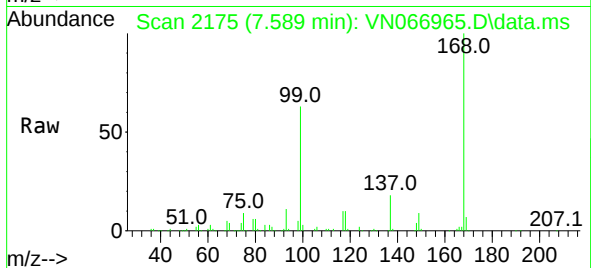
Tgt Ion: 43	Resp: 7235		
Ion Ratio	Lower	Upper	
43 100			
72 18.7	23.1	34.7#	



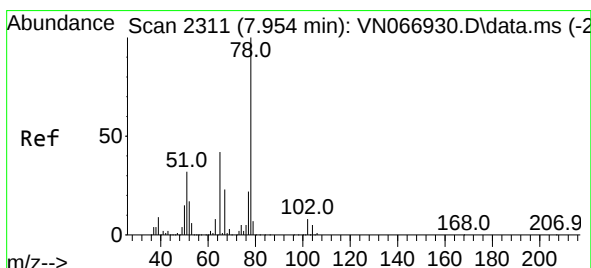
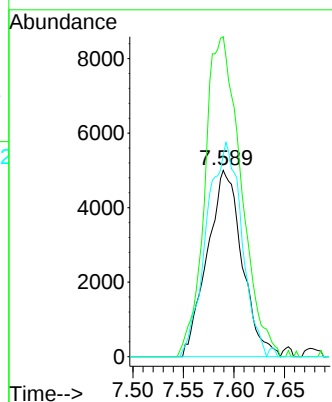
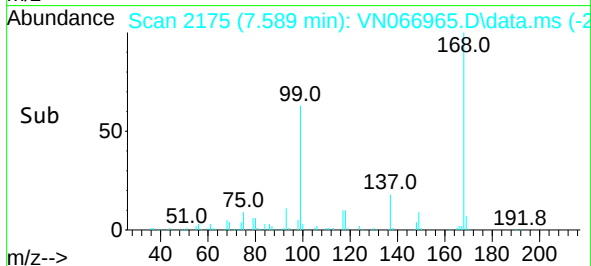


#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. 0.010 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

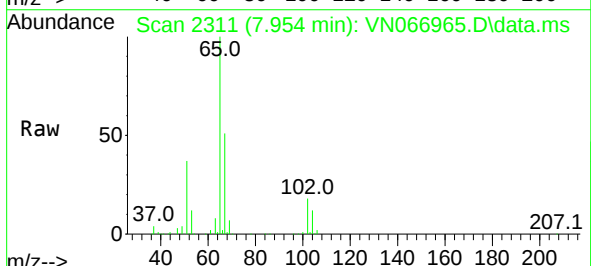
Instrument :
MSVOA_N
ClientSampled :



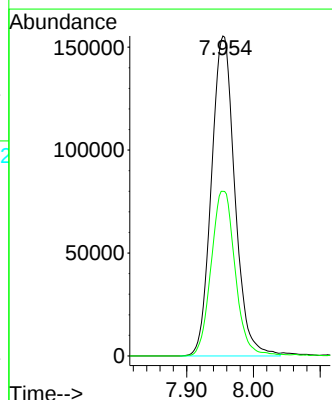
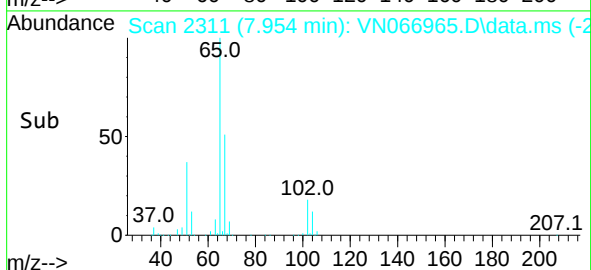
Tgt Ion: 56 Resp: 11984
Ion Ratio Lower Upper
56 100
69 171.8 26.6 39.8#
84 108.5 70.4 105.6#

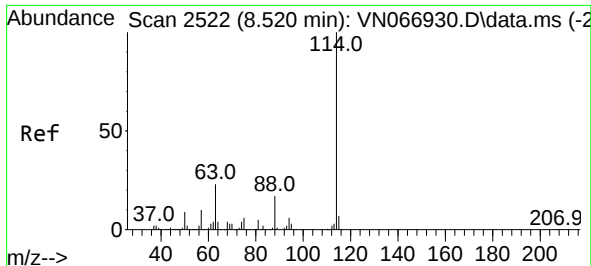


#33
1,2-Dichloroethane-d4
Concen: 51.95 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57



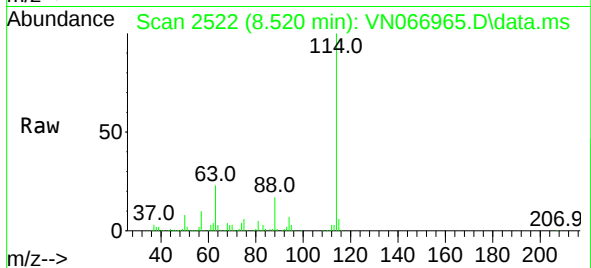
Tgt Ion: 65 Resp: 378741
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.2



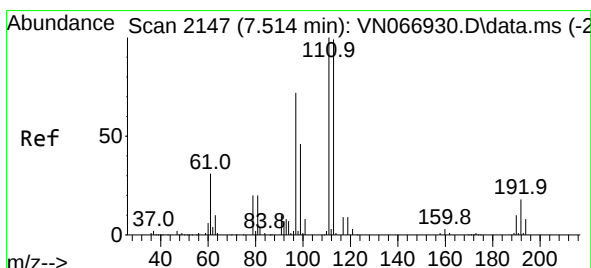
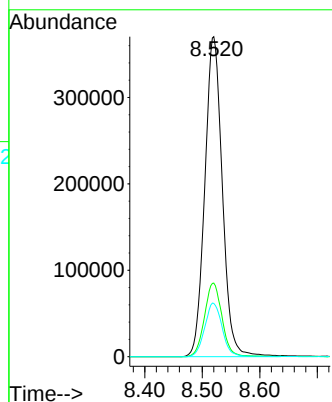
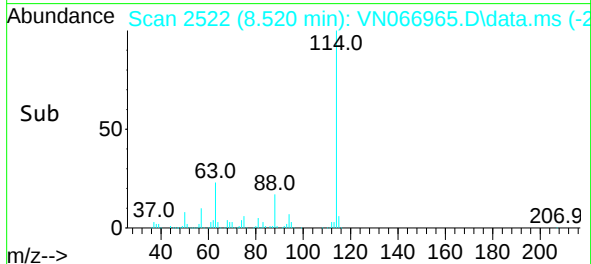


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

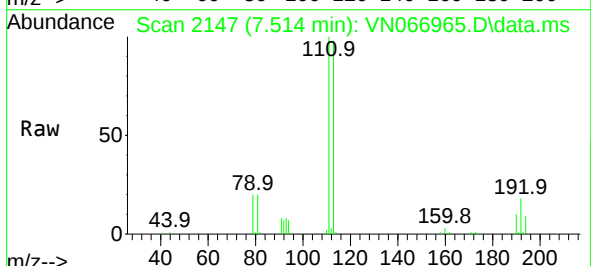
Instrument :
MSVOA_N
ClientSampleId :



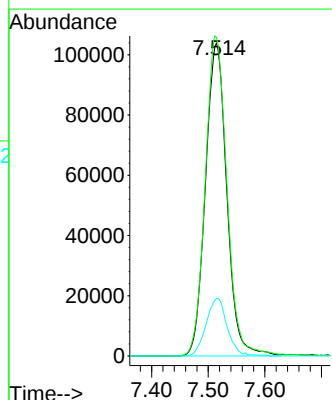
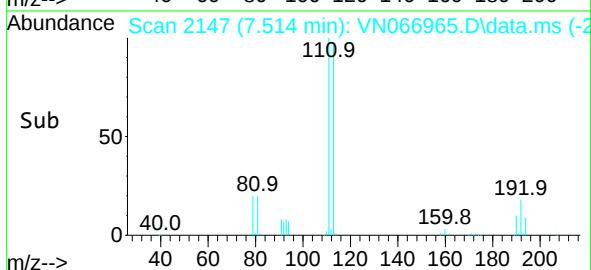
Tgt Ion:114 Resp: 784425
Ion Ratio Lower Upper
114 100
63 23.0 0.0 38.6
88 16.6 0.0 30.6

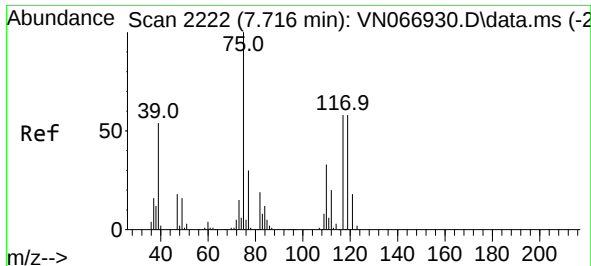


#35
Dibromofluoromethane
Concen: 50.99 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57



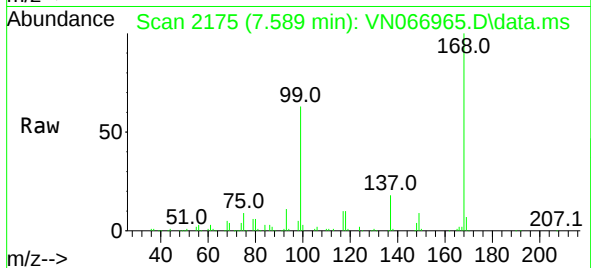
Tgt Ion:113 Resp: 271610
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.2
192 17.9 15.4 23.0



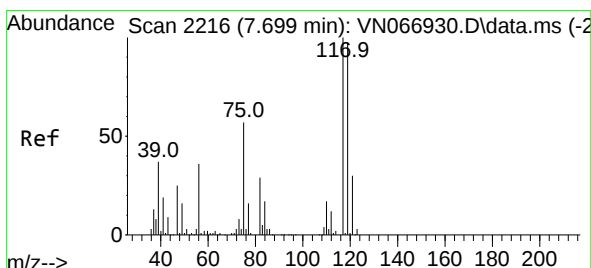
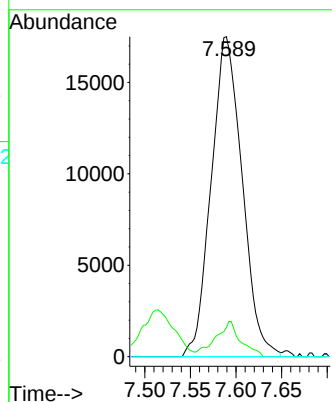
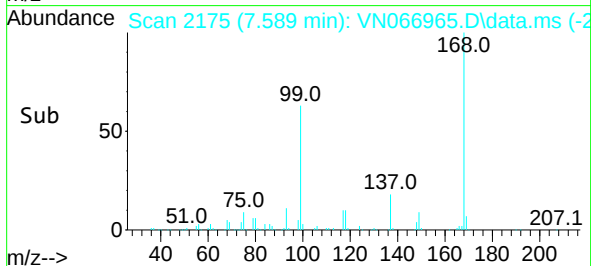


#36
1,1-Dichloropropene
Concen: 5.06 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

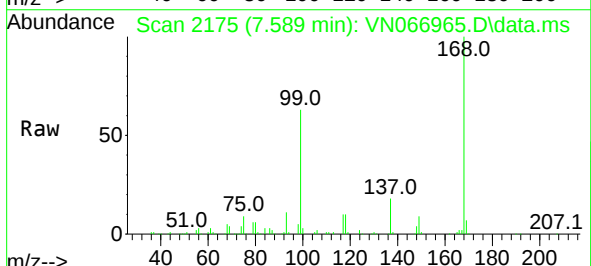
Instrument :
MSVOA_N
ClientSampled :



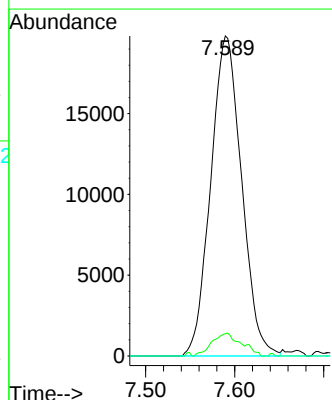
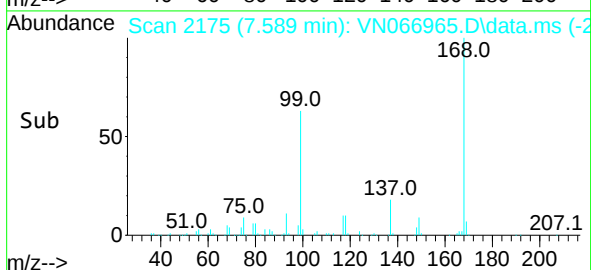
Tgt Ion: 75 Resp: 41302
Ion Ratio Lower Upper
75 100
110 9.0 18.2 54.6#
77 0.0 24.9 37.3#

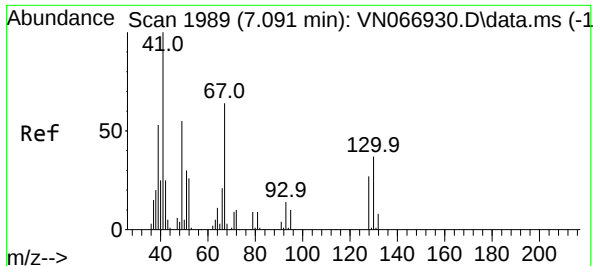


#38
Carbon Tetrachloride
Concen: 5.60 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.110 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57



Tgt Ion: 117 Resp: 47716
Ion Ratio Lower Upper
117 100
119 7.0 76.0 114.0#
121 0.0 24.5 36.7#





#41

Methacrylonitrile

Concen: 0.22 ug/l

RT: 7.139 min Scan# 2007

Delta R.T. 0.048 min

Lab File: VN066965.D

Acq: 5 May 2021 3:57

Tgt Ion: 41 Resp: 799

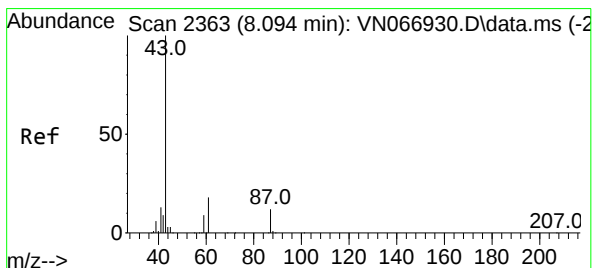
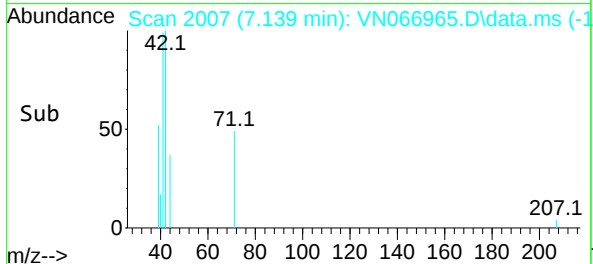
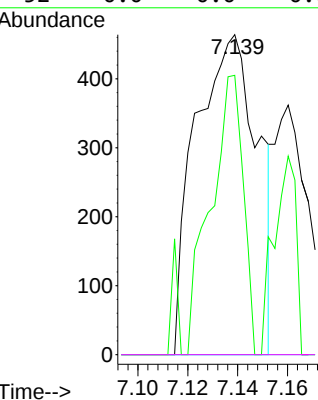
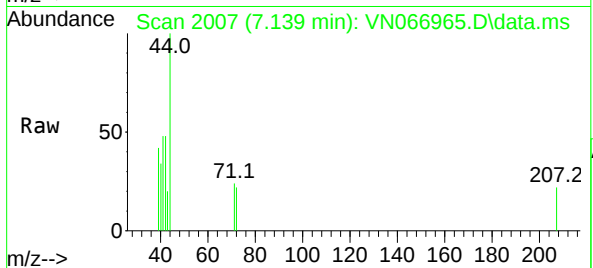
Ion Ratio Lower Upper

41 100

39 46.3 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0



#43

Isopropyl Acetate

Concen: 4.07 ug/l

RT: 8.096 min Scan# 2364

Delta R.T. 0.002 min

Lab File: VN066965.D

Acq: 5 May 2021 3:57

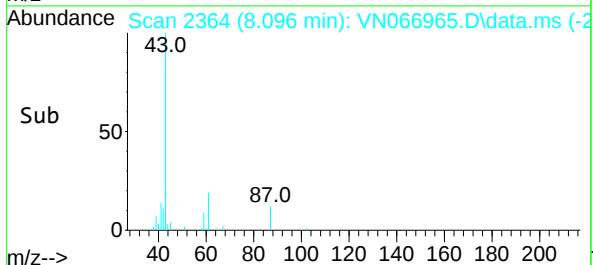
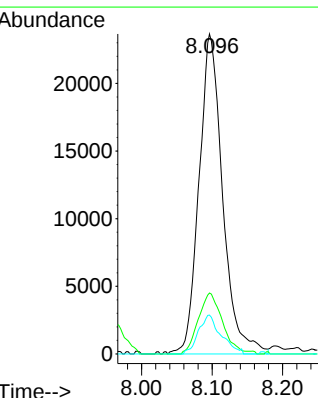
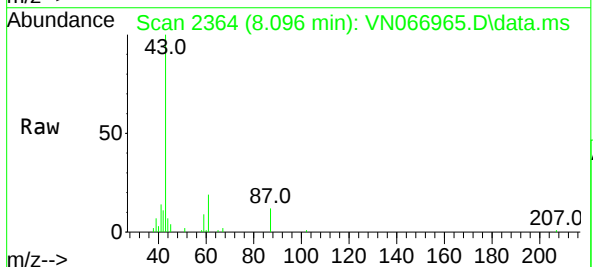
Tgt Ion: 43 Resp: 55067

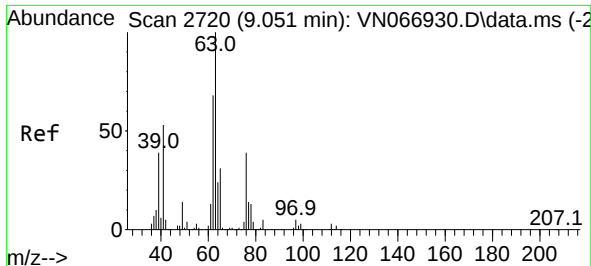
Ion Ratio Lower Upper

43 100

61 19.6 22.5 33.7#

87 11.6 11.1 16.7



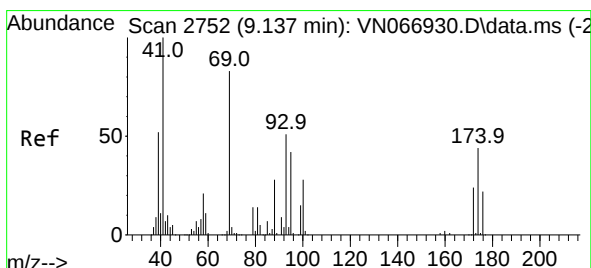
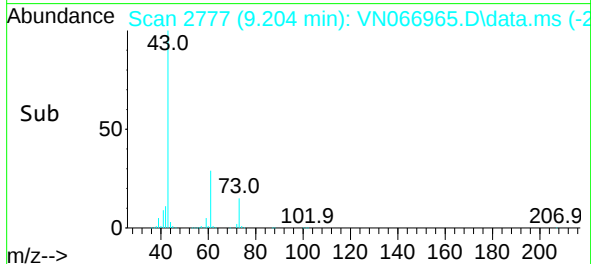
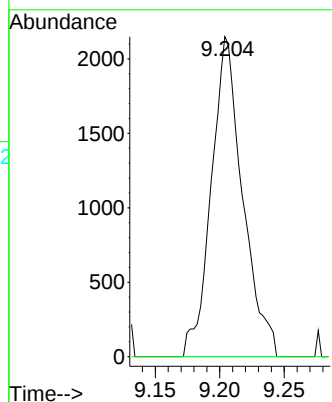
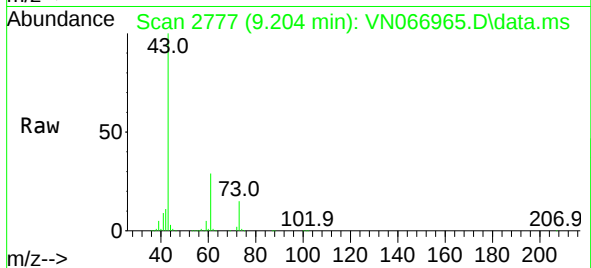


#45

1,2-Dichloropropane
Concen: 0.51 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.153 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

Instrument :
MSVOA_N
ClientSampled :

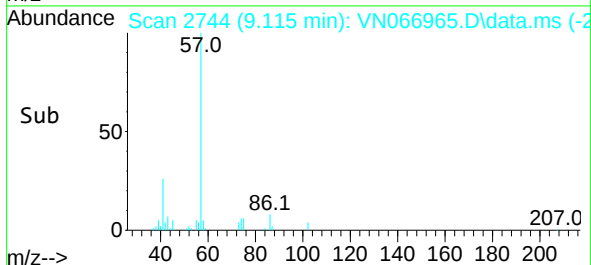
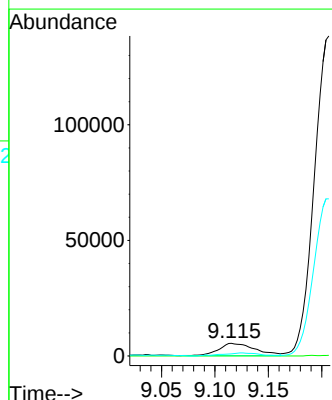
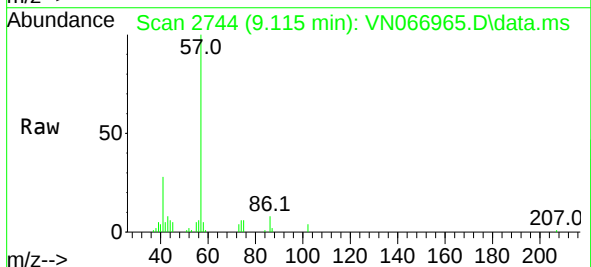
Tgt Ion: 63 Resp: 3637
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

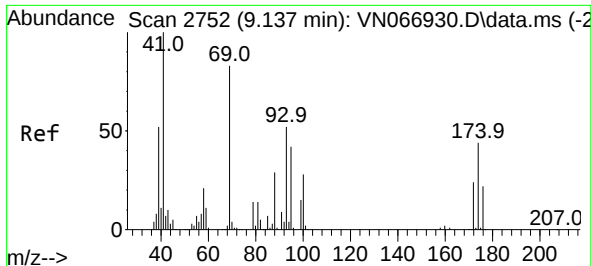


#48

Methyl methacrylate
Concen: 2.08 ug/l
RT: 9.115 min Scan# 2744
Delta R.T. -0.022 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

Tgt Ion: 41 Resp: 12435
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#





#49

1,4-Dioxane

Concen: 3.09 ug/l

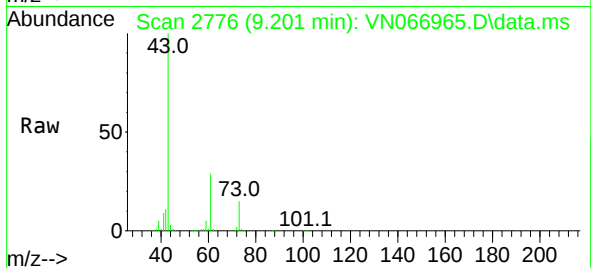
RT: 9.201 min Scan# 2776

Delta R.T. 0.064 min

Lab File: VN066965.D

Acq: 5 May 2021 3:57

Instrument :
MSVOA_N
ClientSampled :



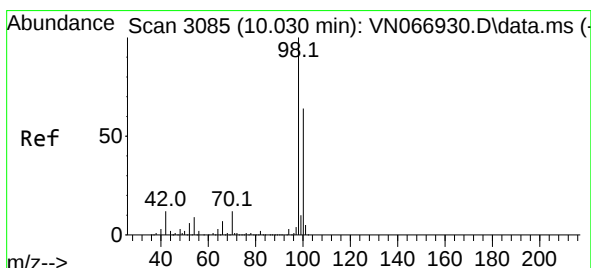
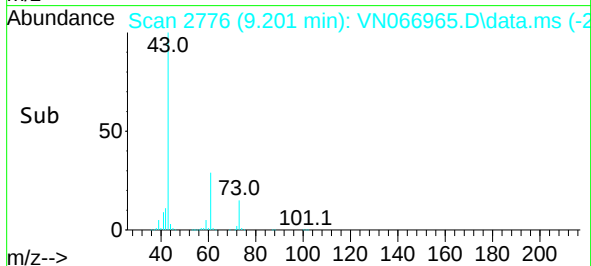
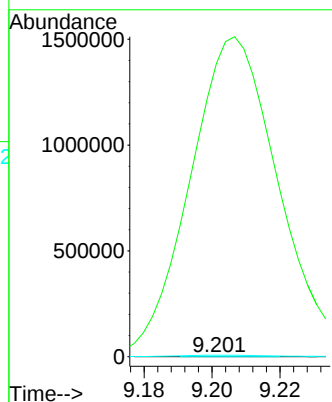
Tgt Ion: 88 Resp: 293

Ion Ratio Lower Upper

88 100

43 972051.5 24.7 37.1#

58 4721.8 52.6 78.8#



#50

Toluene-d8

Concen: 51.71 ug/l

RT: 10.030 min Scan# 3085

Delta R.T. 0.000 min

Lab File: VN066965.D

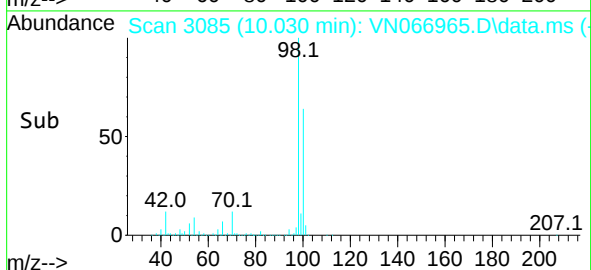
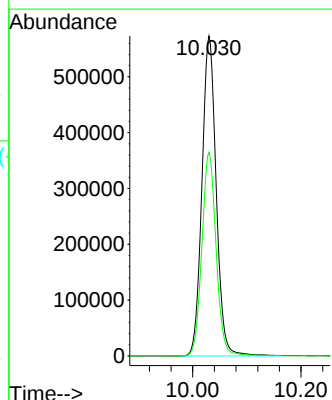
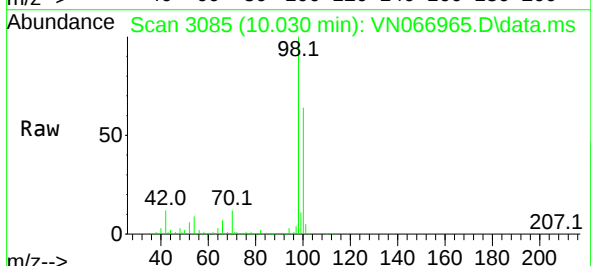
Acq: 5 May 2021 3:57

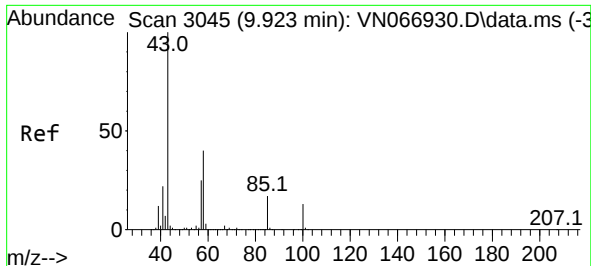
Tgt Ion: 98 Resp: 1048905

Ion Ratio Lower Upper

98 100

100 63.2 50.5 75.7

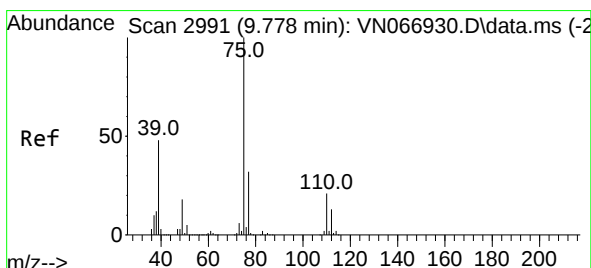
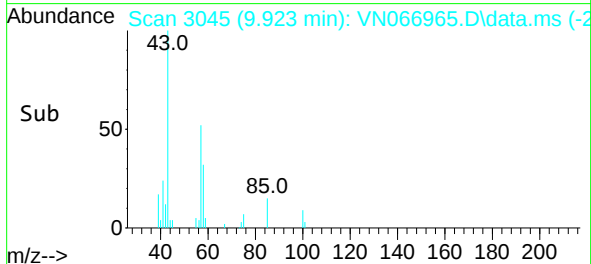
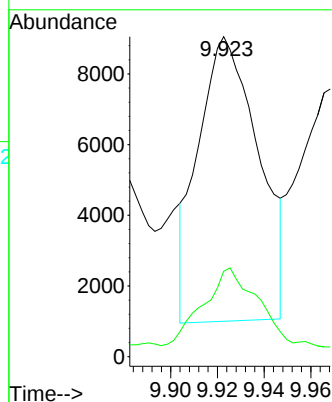
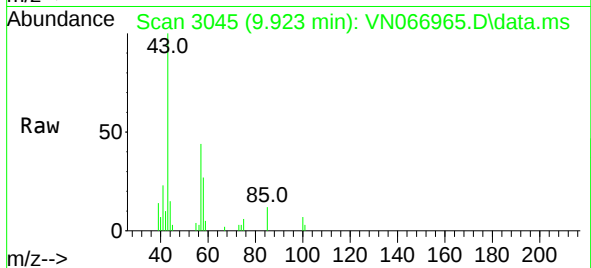




#51
4-Methyl-2-Pentanone
Concen: 1.84 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

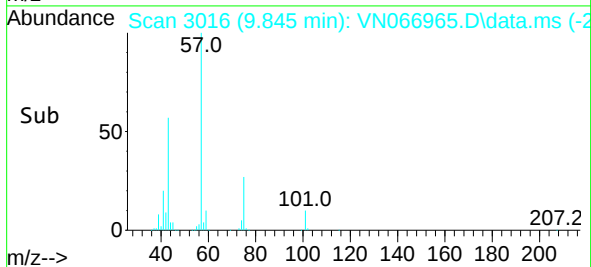
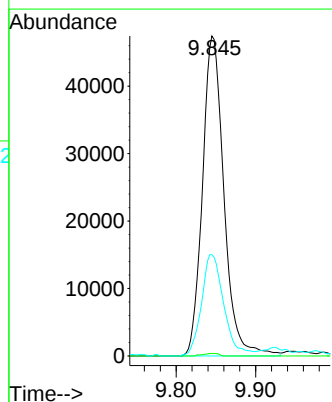
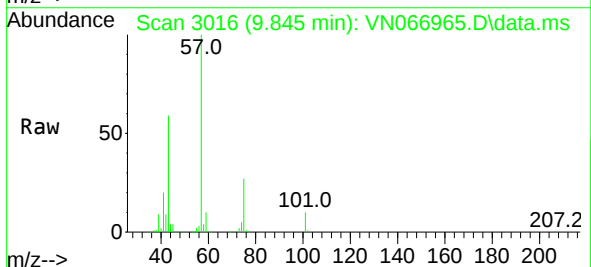
Instrument :
MSVOA_N
ClientSampled :

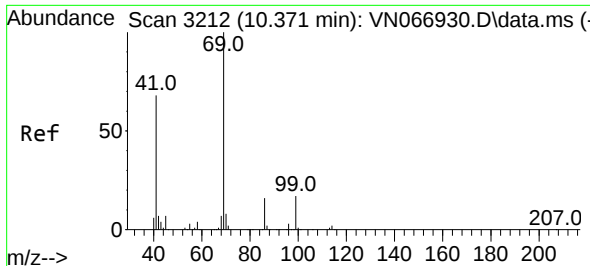
Tgt Ion: 43 Resp: 14385
Ion Ratio Lower Upper
43 100
58 31.4 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 8.27 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

Tgt Ion: 75 Resp: 88975
Ion Ratio Lower Upper
75 100
77 0.8 24.9 37.3#
39 31.7 36.2 54.4#

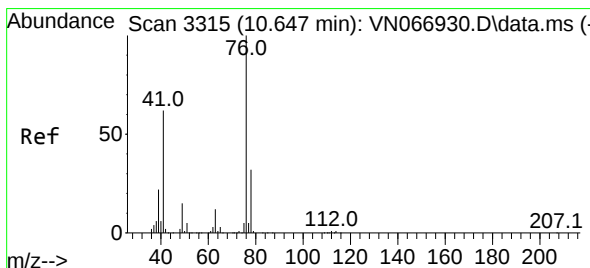
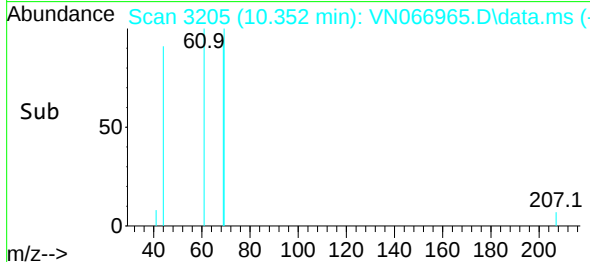
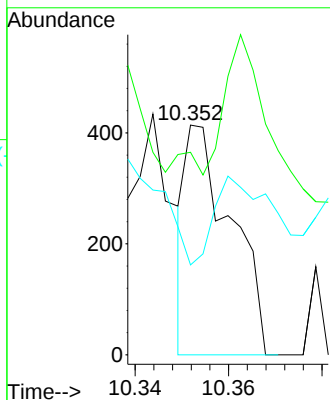
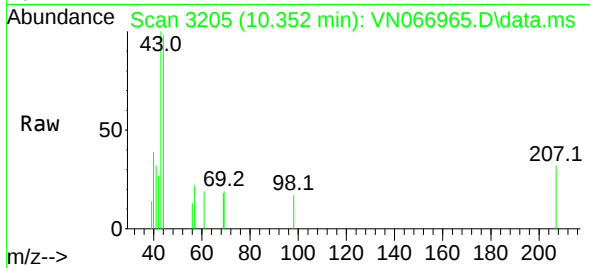




#56
Ethyl methacrylate
Concen: 5.22 ug/l
RT: 10.352 min Scan# 3205
Delta R.T. -0.019 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

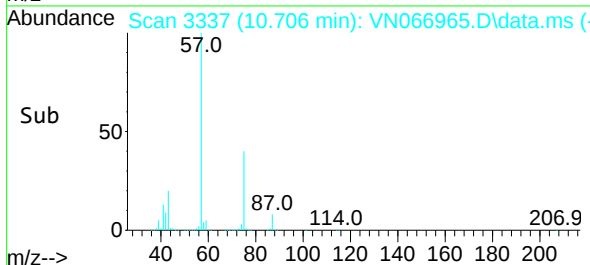
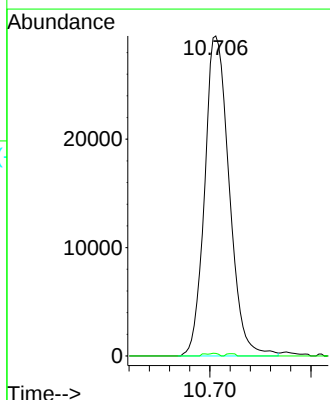
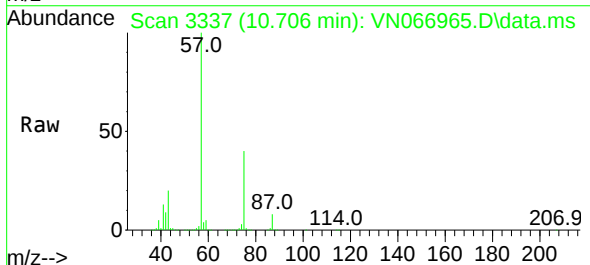
Instrument :
MSVOA_N
ClientSampled :

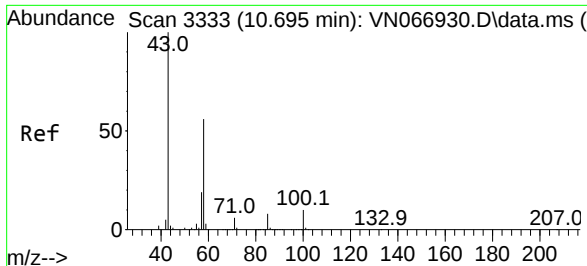
Tgt Ion: 69 Resp: 279
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.70 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

Tgt Ion: 76 Resp: 49863
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

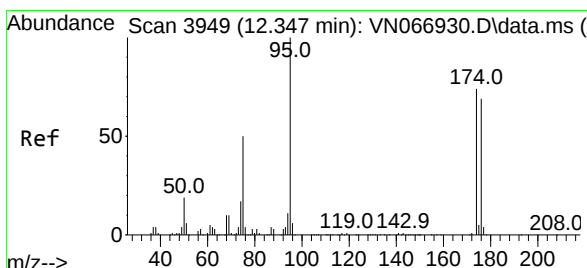
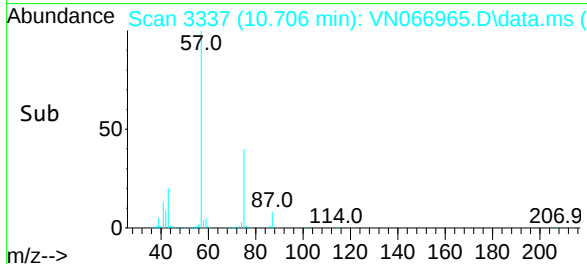
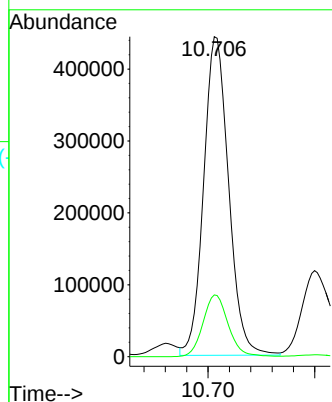
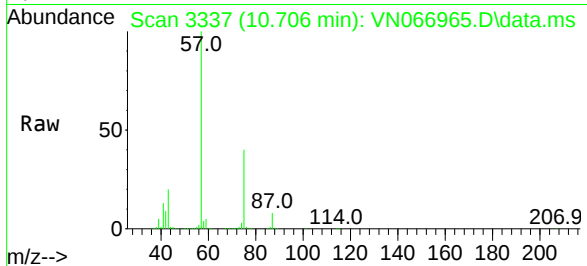




#59
2-Hexanone
Concen: 140.13 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

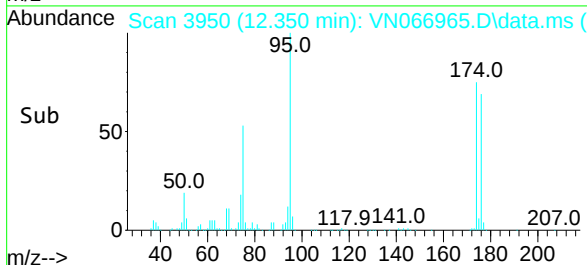
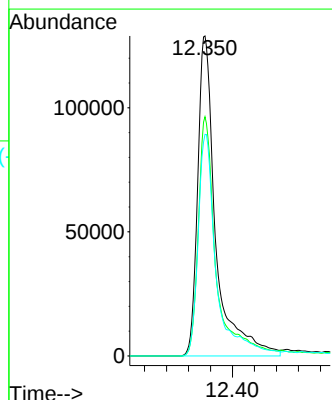
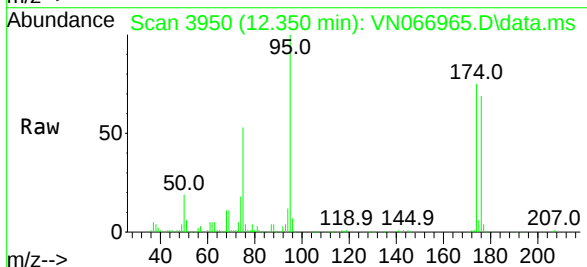
Instrument :
MSVOA_N
ClientSampled :

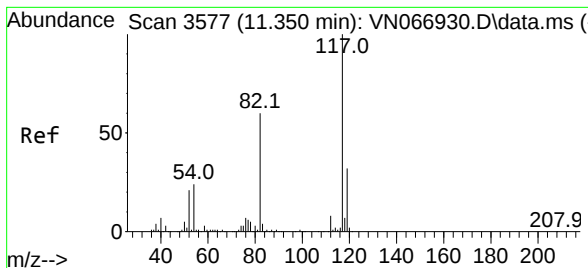
Tgt Ion: 43 Resp: 719772
Ion Ratio Lower Upper
43 100
58 19.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 43.08 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

Tgt Ion: 95 Resp: 295906
Ion Ratio Lower Upper
95 100
174 73.2 0.0 169.0
176 69.7 0.0 162.4

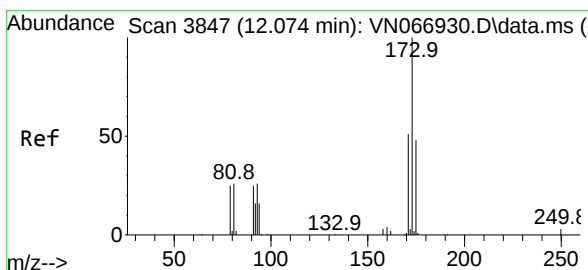
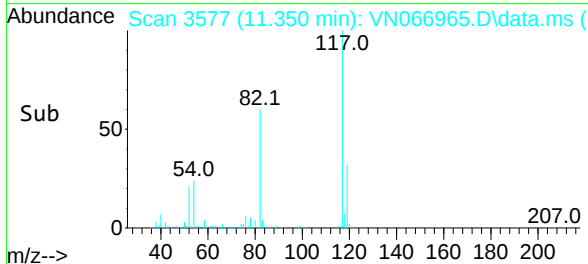
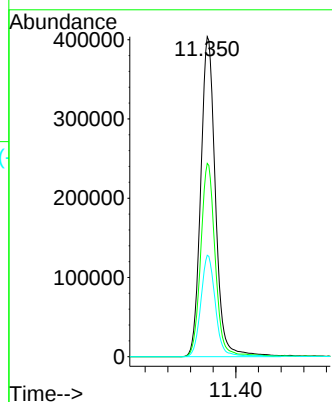
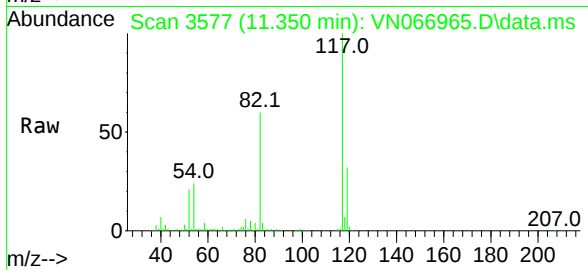




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

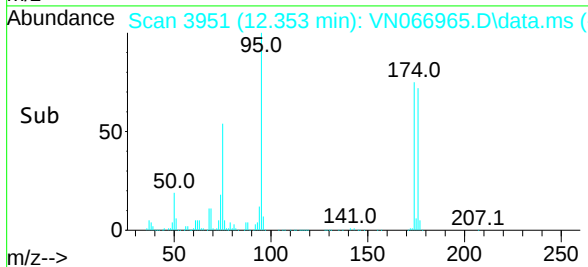
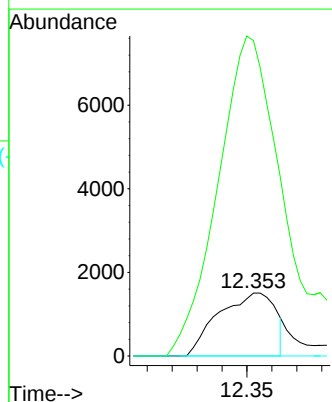
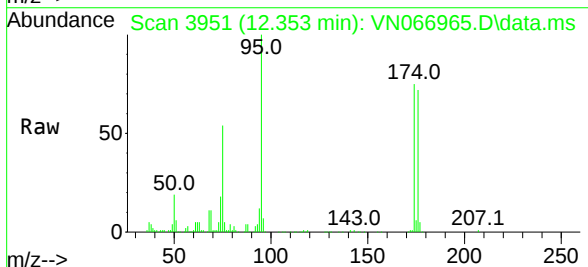
Instrument :
MSVOA_N
ClientSampled :

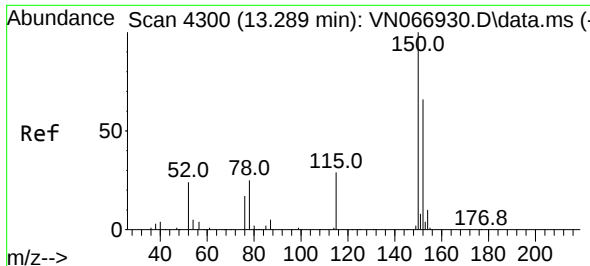
Tgt Ion:117 Resp: 727074
Ion Ratio Lower Upper
117 100
82 60.4 43.7 65.5
119 31.7 26.1 39.1



#71
Bromoform
Concen: 0.55 ug/l
RT: 12.353 min Scan# 3951
Delta R.T. 0.279 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

Tgt Ion:173 Resp: 2393
Ion Ratio Lower Upper
173 100
175 483.0 23.8 71.2#
254 0.0 0.0 0.0

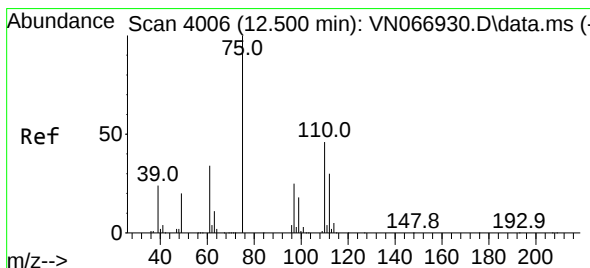
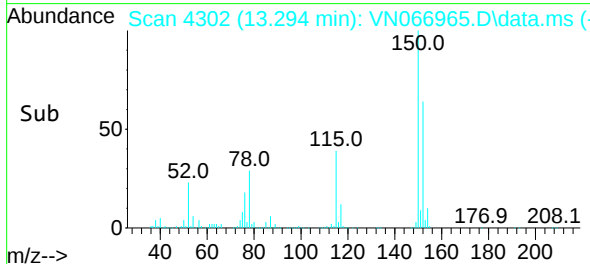
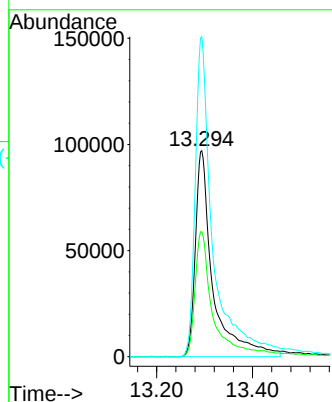
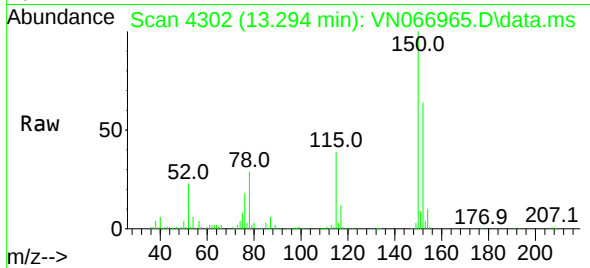




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

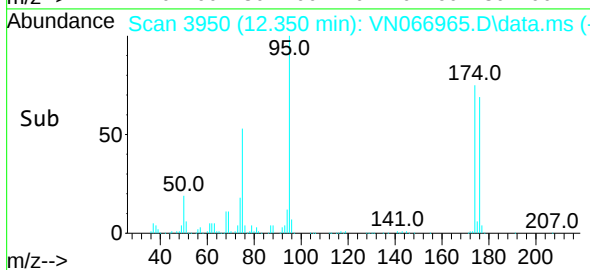
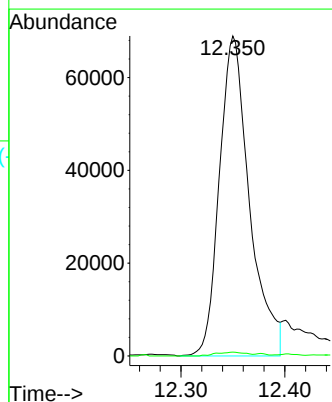
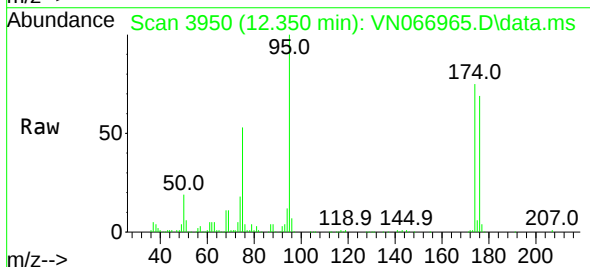
Instrument :
MSVOA_N
ClientSampled :

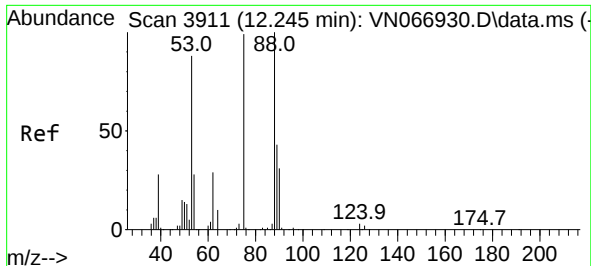
Tgt Ion:152 Resp: 248181
Ion Ratio Lower Upper
152 100
115 59.9 28.5 85.6
150 151.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 23.50 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

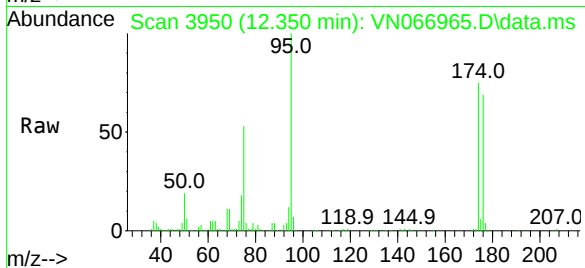
Tgt Ion: 75 Resp: 138949
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



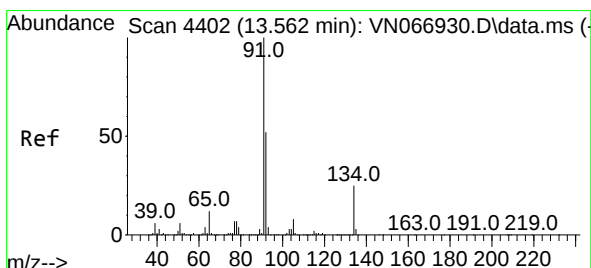
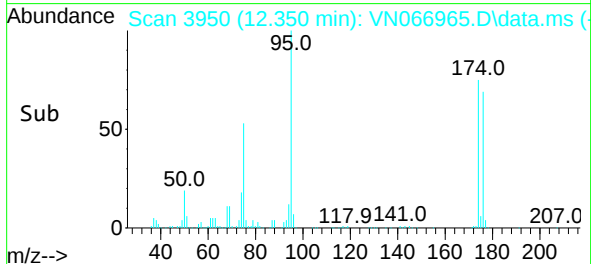
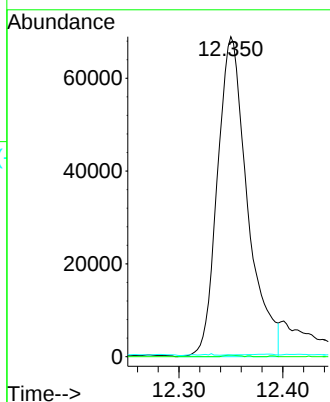


#81
trans-1,4-Dichloro-2-butene
Concen: 71.05 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

Instrument :
MSVOA_N
ClientSampled :

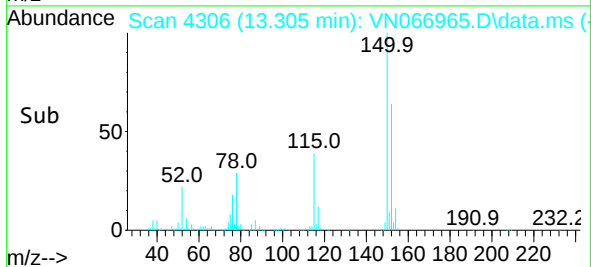
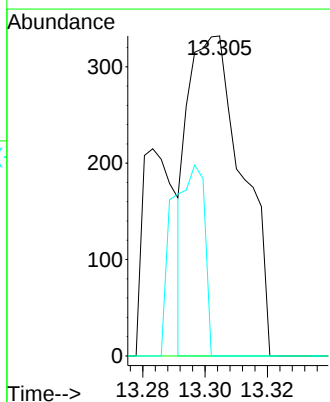
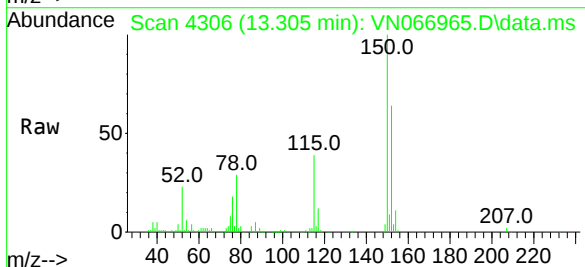


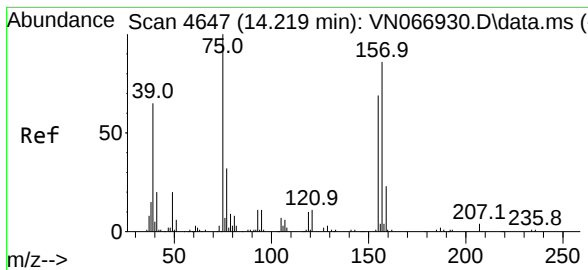
Tgt Ion: 75 Resp: 138949
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.0 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.27 ug/l
RT: 13.305 min Scan# 4306
Delta R.T. -0.257 min
Lab File: VN066965.D
Acq: 5 May 2021 3:57

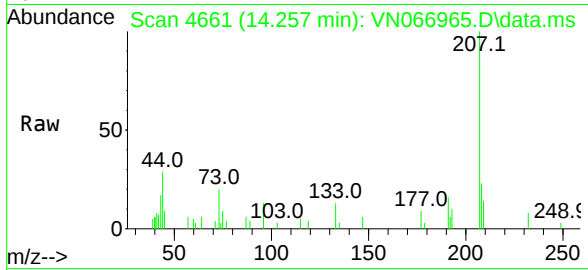
Tgt Ion: 91 Resp: 406
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 35.0 13.0 38.9





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.23 ug/l
 RT: 14.257 min Scan# 4661
 Delta R.T. 0.038 min
 Lab File: VN066965.D
 Acq: 5 May 2021 3:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 276

Ion	Ratio	Lower	Upper
75	100		
155	0.0	44.1	132.4#
157	0.0	56.0	168.2#

