

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066949.D
 Acq On : 4 May 2021 20:42
 Operator : JC/MD
 Sample : PB136139ZHE#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 05:28:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 13:11:03 2021
 Response via : Initial Calibration

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

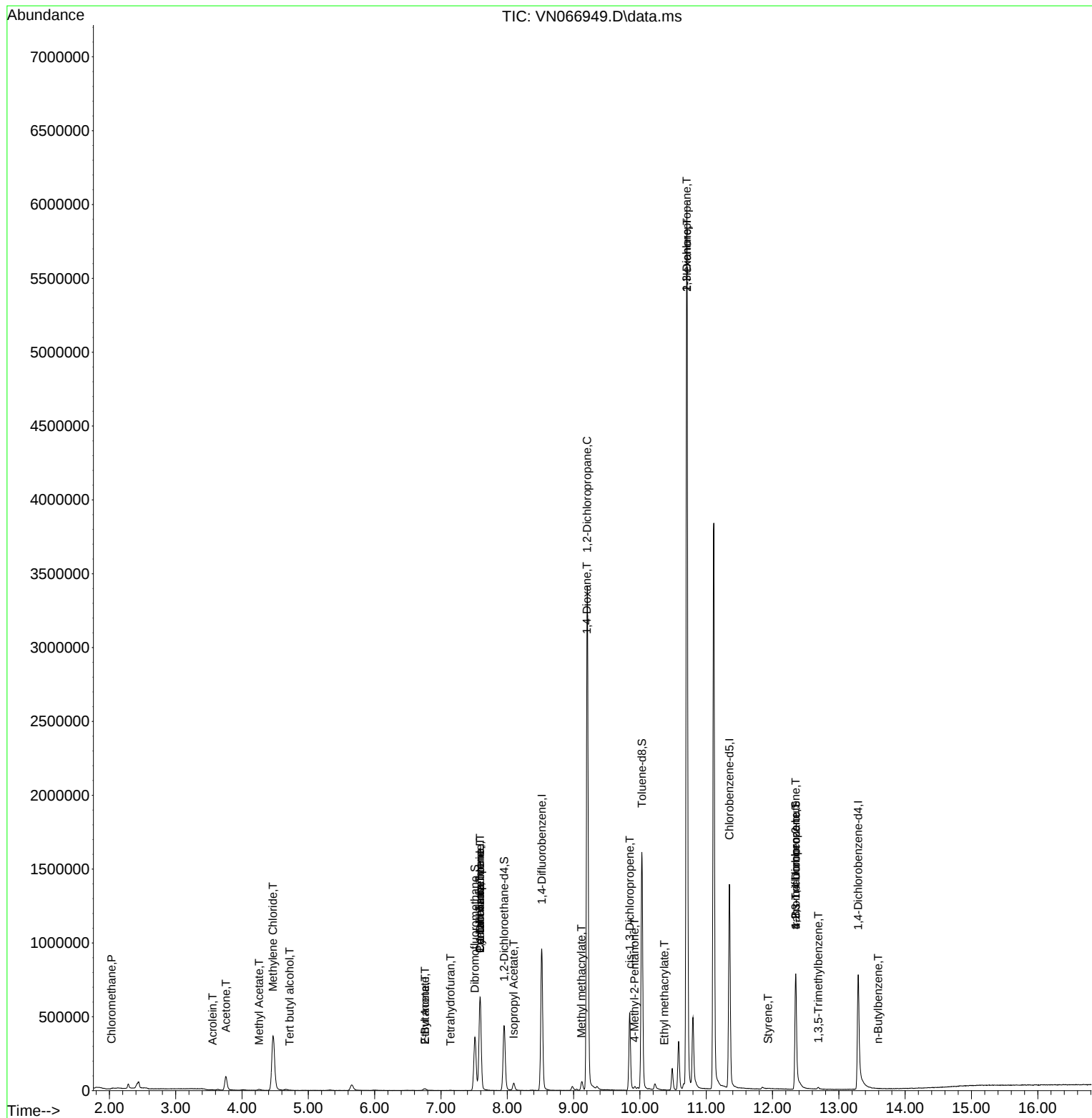
Internal Standards						
1) Pentafluorobenzene	7.589	168	481987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	811192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	789590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	290282	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	387609	51.09	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.18%			
35) Dibromofluoromethane	7.512	113	277094	50.30	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.60%			
50) Toluene-d8	10.030	98	1098532	52.37	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.74%			
62) 4-Bromofluorobenzene	12.350	95	345181	48.60	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.20%			
Target Compounds					Qvalue	
3) Chloromethane	2.032	50	2496	0.27	ug/l	95
11) Tert butyl alcohol	4.720	59	1259	1.18	ug/l #	73
13) Acrolein	3.556	56	1925	2.16	ug/l	97
16) Acetone	3.757	43	153011	57.33	ug/l	99
18) Methyl Acetate	4.258	43	11479	1.50	ug/l	91
20) Methylene Chloride	4.468	84	271648	40.13	ug/l	91
25) 2-Butanone	6.761	43	10835	2.75	ug/l #	84
29) Tetrahydrofuran	7.144	42	965	0.37	ug/l #	43
31) Cyclohexane	7.589	56	11814	1.11	ug/l #	1
36) 1,1-Dichloropropene	7.589	75	41569	4.92	ug/l #	49
37) Ethyl Acetate	6.761	43	10835	1.26	ug/l #	68
38) Carbon Tetrachloride	7.589	117	50536	5.74	ug/l #	17
43) Isopropyl Acetate	8.096	43	61056	4.37	ug/l #	89
45) 1,2-Dichloropropane	9.204	63	4716	0.64	ug/l #	44
48) Methyl methacrylate	9.118	41	13701	2.21	ug/l #	10
49) 1,4-Dioxane	9.199	88	210	2.14	ug/l #	26
51) 4-Methyl-2-Pentanone	9.920	43	15204	1.88	ug/l	91
54) cis-1,3-Dichloropropene	9.848	75	96330	8.66	ug/l #	64
56) Ethyl methacrylate	10.368	69	440	5.23	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	61648	5.62	ug/l #	44
59) 2-Hexanone	10.709	43	888044	161.71	ug/l #	50
70) Styrene	11.931	104	203	4.72	ug/l #	34
76) 1,2,3-Trichloropropane	12.350	75	181906	26.31	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.690	105	7928	0.40	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.350	75	181906	78.87	ug/l #	12
89) n-Butylbenzene	13.592	91	78	5.24	ug/l #	34

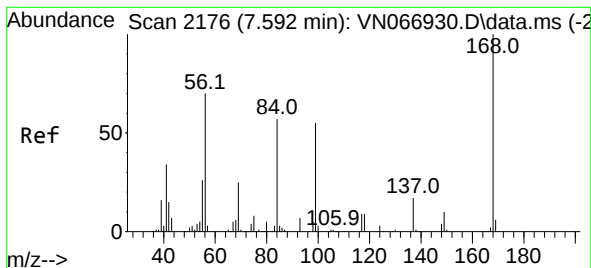
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 04 13:11:03 2021
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.589 min Scan# 2175

Delta R.T. -0.003 min

Lab File: VN066949.D

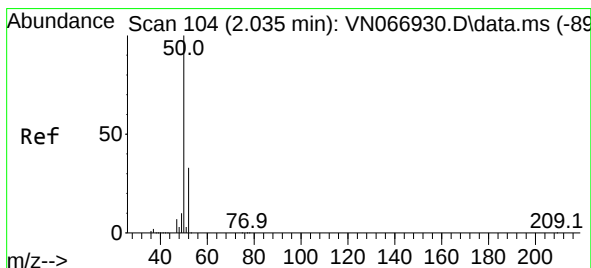
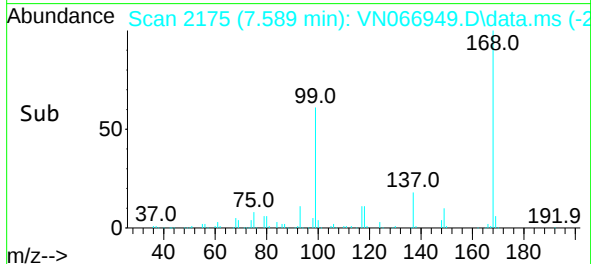
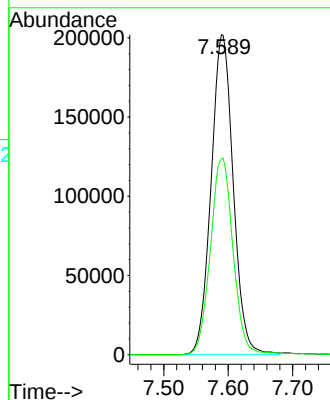
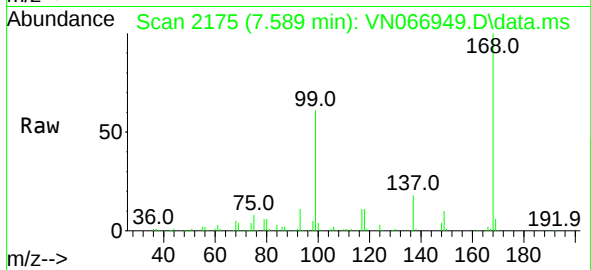
Acq: 4 May 2021 20:42

Tgt Ion:168 Resp: 481987

Ion Ratio Lower Upper

168 100

99 61.3 42.6 63.8



#3

Chloromethane

Concen: 0.27 ug/l

RT: 2.032 min Scan# 103

Delta R.T. -0.003 min

Lab File: VN066949.D

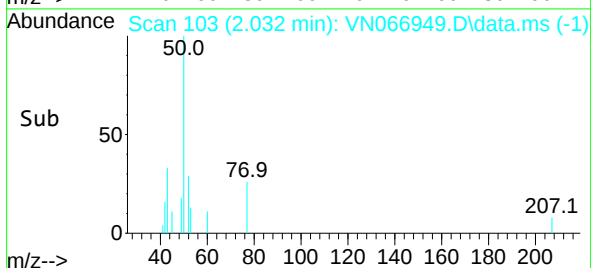
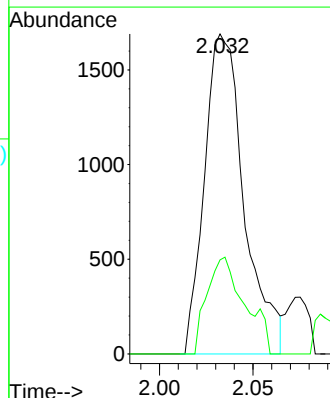
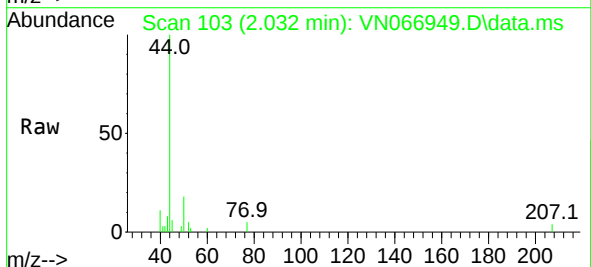
Acq: 4 May 2021 20:42

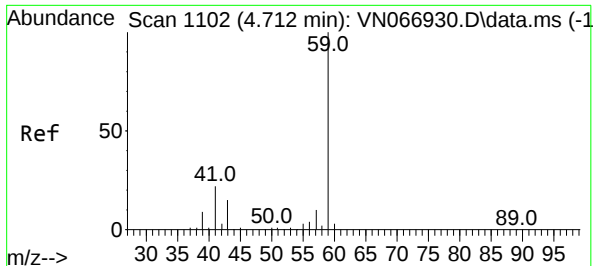
Tgt Ion: 50 Resp: 2496

Ion Ratio Lower Upper

50 100

52 29.4 25.8 38.8



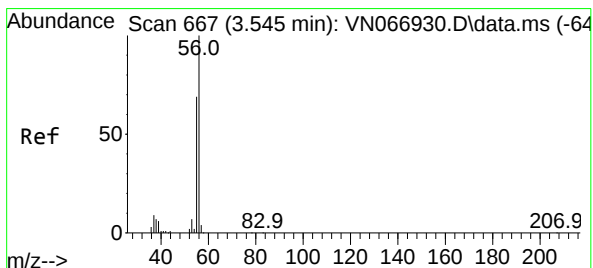
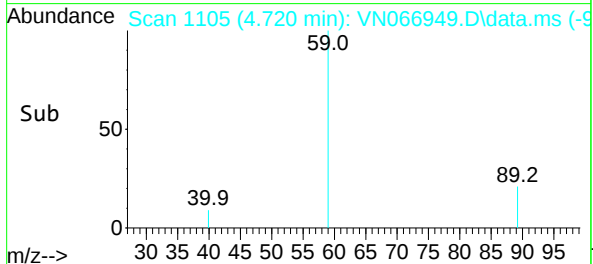
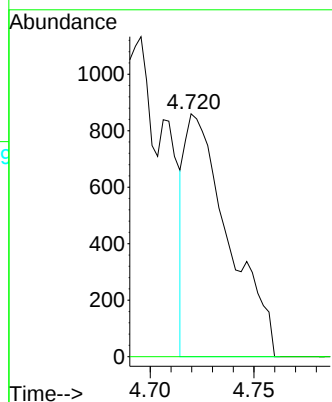
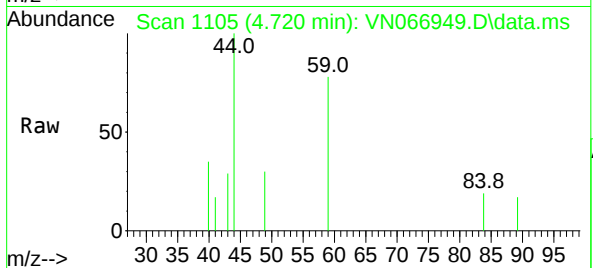


#11

Tert butyl alcohol
Concen: 1.18 ug/l
RT: 4.720 min Scan# 1105
Delta R.T. 0.008 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Instrument :
MSVOA_N
ClientSampled :

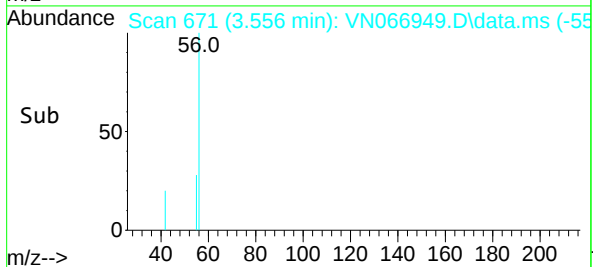
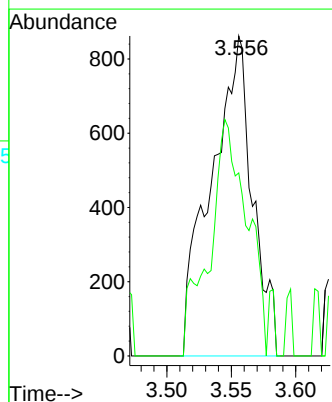
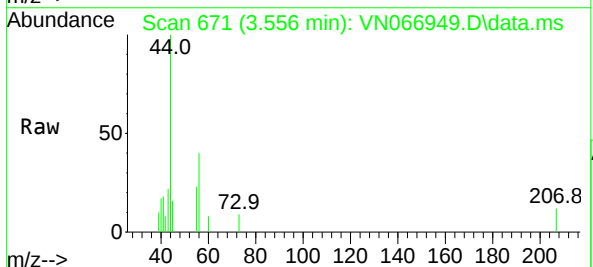
Tgt Ion: 59 Resp: 1259
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

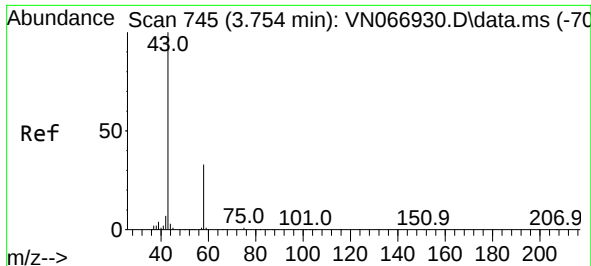


#13

Acrolein
Concen: 2.16 ug/l
RT: 3.556 min Scan# 671
Delta R.T. 0.011 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Tgt Ion: 56 Resp: 1925
Ion Ratio Lower Upper
56 100
55 67.5 56.0 84.0

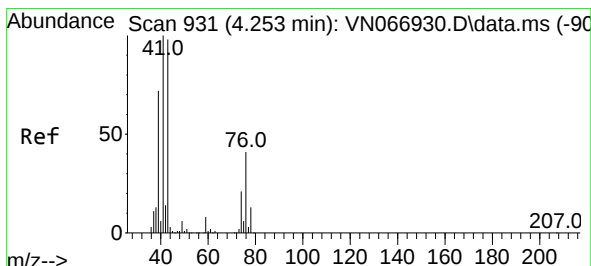
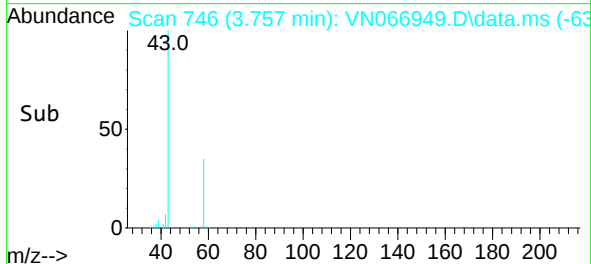
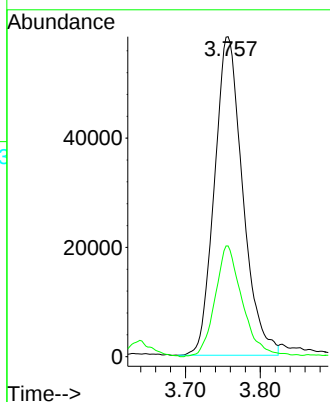
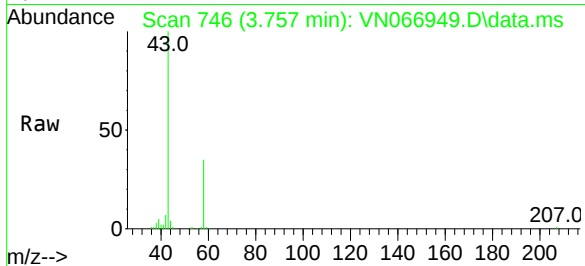




#16
Acetone
Concen: 57.33 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

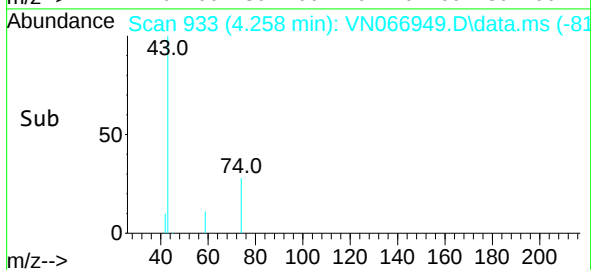
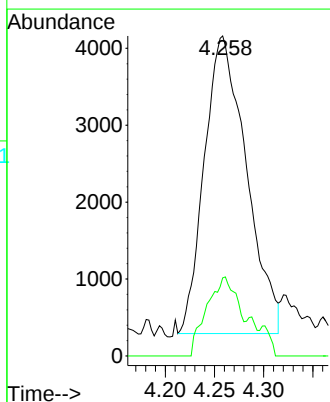
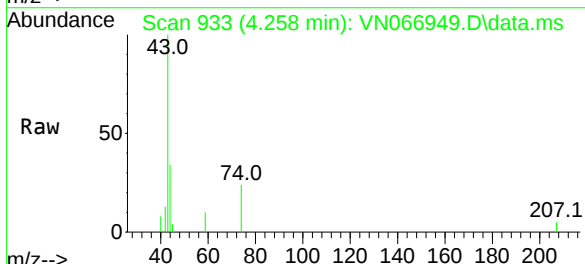
Instrument :
MSVOA_N
ClientSampled :

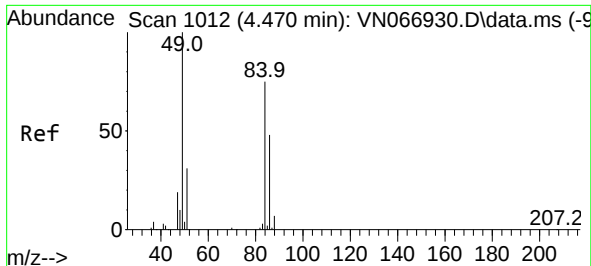
Tgt Ion: 43 Resp: 153011
Ion Ratio Lower Upper
43 100
58 34.5 27.0 40.6



#18
Methyl Acetate
Concen: 1.50 ug/l
RT: 4.258 min Scan# 933
Delta R.T. 0.005 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Tgt Ion: 43 Resp: 11479
Ion Ratio Lower Upper
43 100
74 20.1 19.5 29.3





#20

Methylene Chloride

Concen: 40.13 ug/l

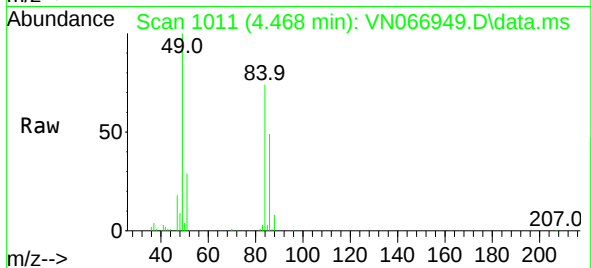
RT: 4.468 min Scan# 1011

Delta R.T. -0.002 min

Lab File: VN066949.D

Acq: 4 May 2021 20:42

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 271648

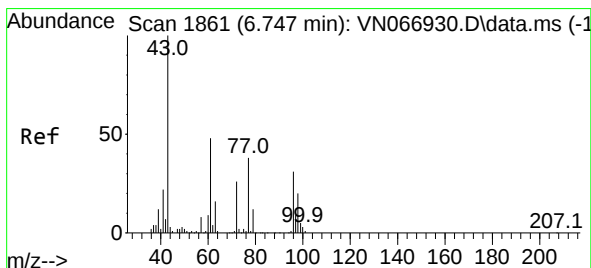
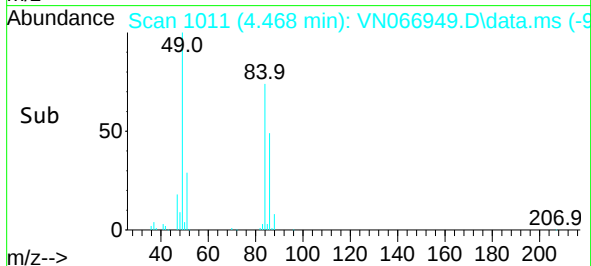
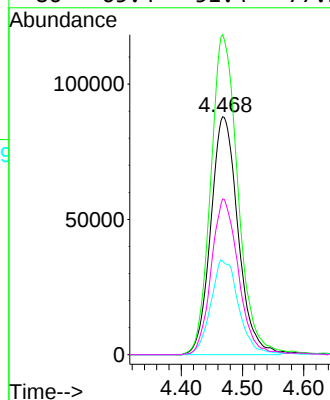
Ion Ratio Lower Upper

84 100

49 134.5 94.6 141.8

51 39.3 29.9 44.9

86 65.4 51.4 77.2



#25

2-Butanone

Concen: 2.75 ug/l

RT: 6.761 min Scan# 1866

Delta R.T. 0.014 min

Lab File: VN066949.D

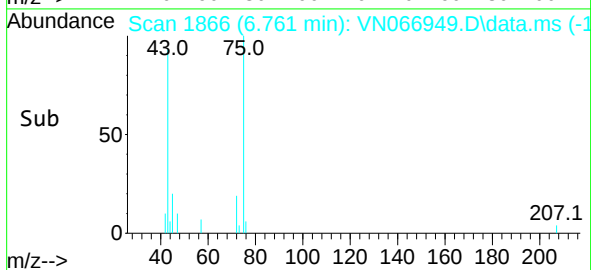
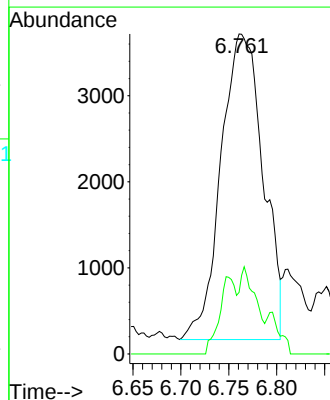
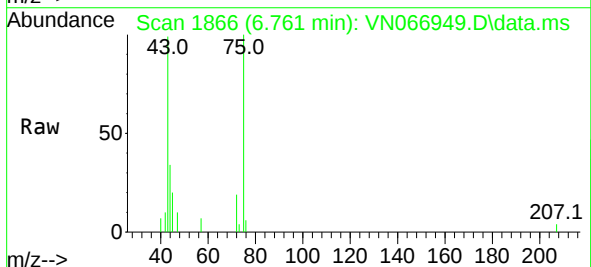
Acq: 4 May 2021 20:42

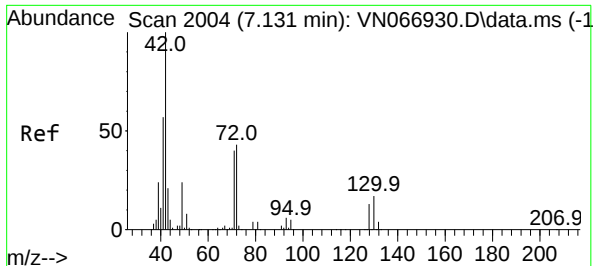
Tgt Ion: 43 Resp: 10835

Ion Ratio Lower Upper

43 100

72 20.1 23.1 34.7#





#29

Tetrahydrofuran

Concen: 0.37 ug/l

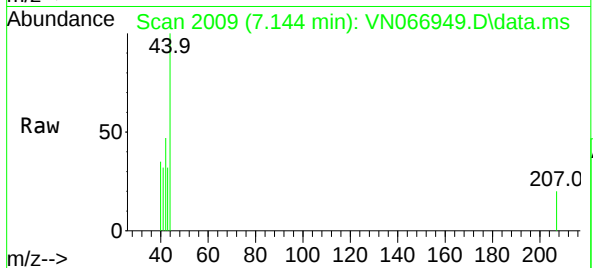
RT: 7.144 min Scan# 2009

Delta R.T. 0.013 min

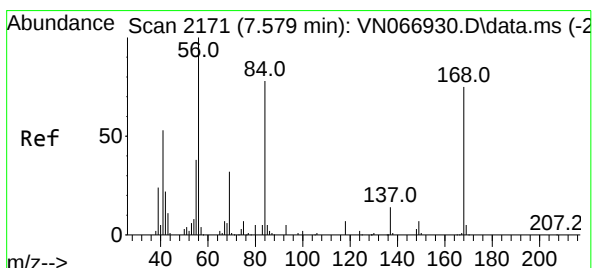
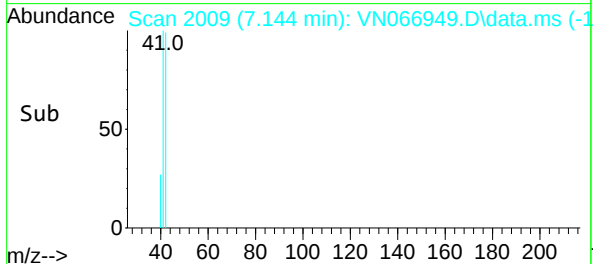
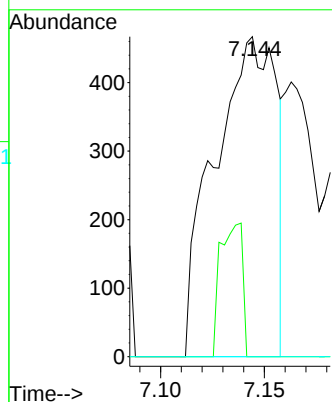
Lab File: VN066949.D

Acq: 4 May 2021 20:42

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	965
Ion Ratio	Lower	Upper	
42	100		
72	14.9	36.6	55.0#
71	0.0	34.3	51.5#



#31

Cyclohexane

Concen: 1.11 ug/l

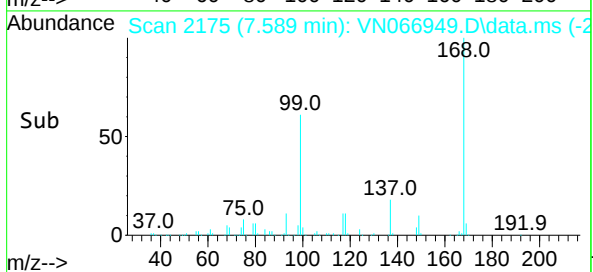
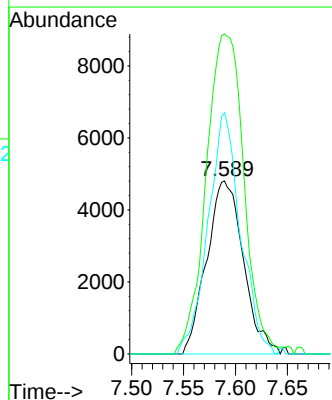
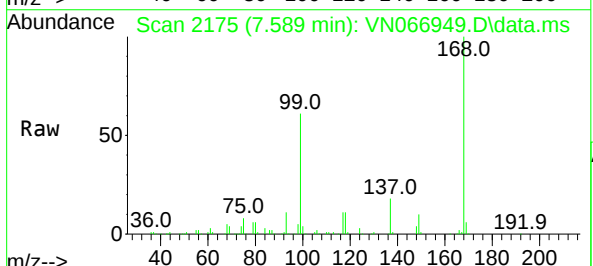
RT: 7.589 min Scan# 2175

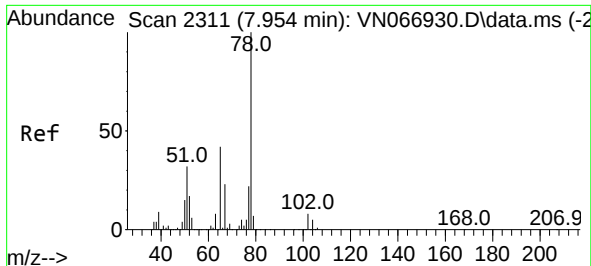
Delta R.T. 0.010 min

Lab File: VN066949.D

Acq: 4 May 2021 20:42

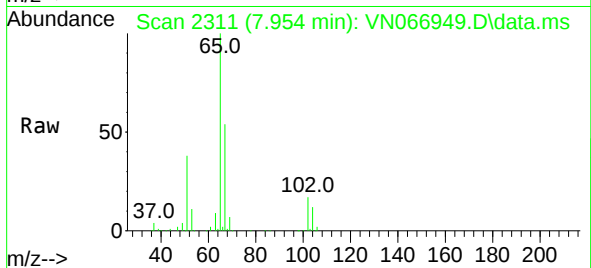
Tgt Ion:	56	Resp:	11814
Ion Ratio	Lower	Upper	
56	100		
69	180.9	26.6	39.8#
84	136.1	70.4	105.6#



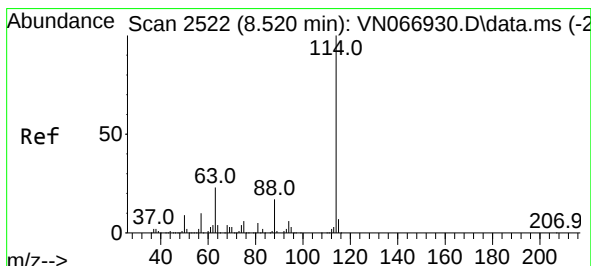
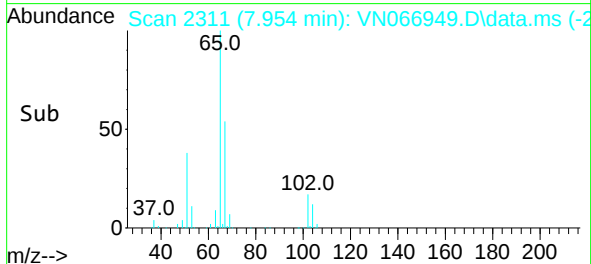
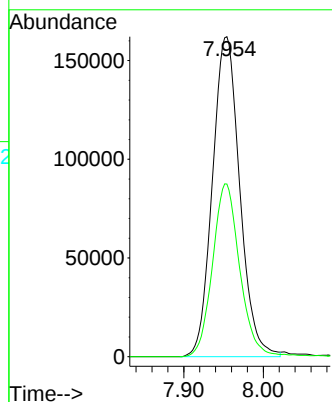


#33
1,2-Dichloroethane-d4
Concen: 51.09 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Instrument :
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ClientSampleId :

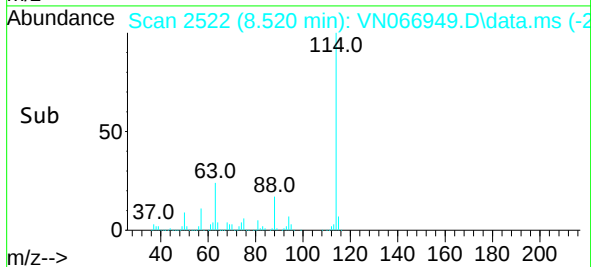
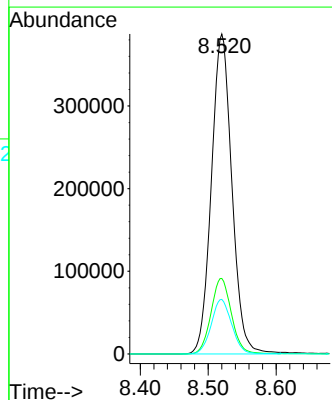
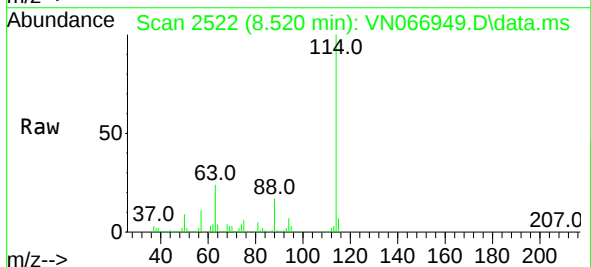


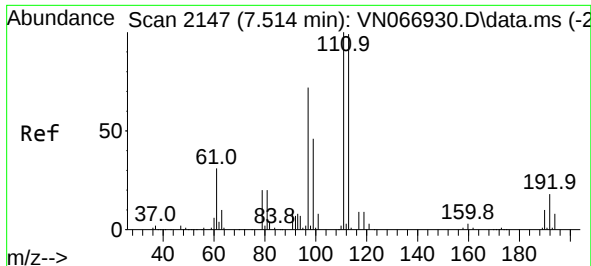
Tgt Ion: 65 Resp: 387609
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Tgt Ion: 114 Resp: 811192
Ion Ratio Lower Upper
114 100
63 23.6 0.0 38.6
88 17.0 0.0 30.6

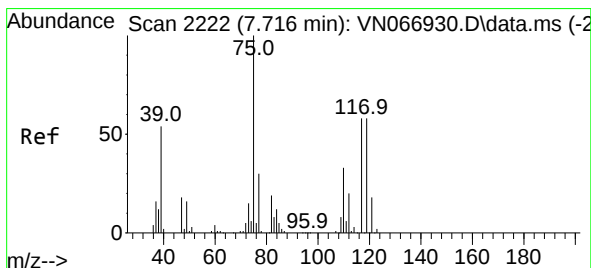
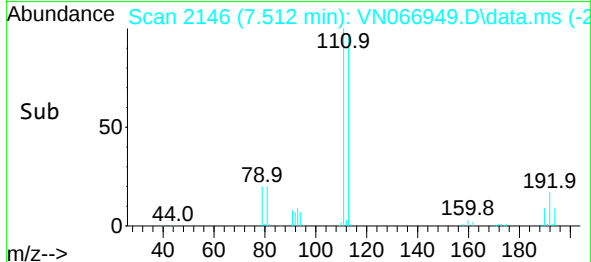
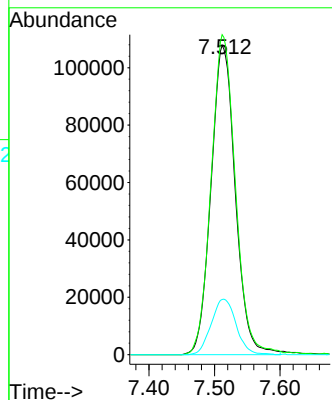
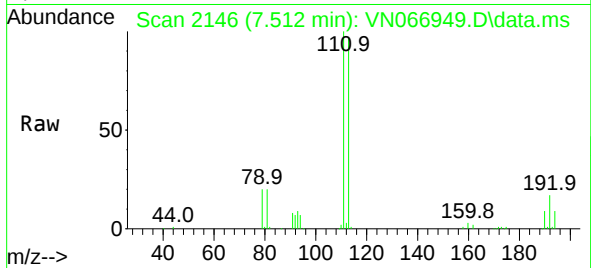




#35
Dibromofluoromethane
Concen: 50.30 ug/l
RT: 7.512 min Scan# 2146
Delta R.T. -0.002 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

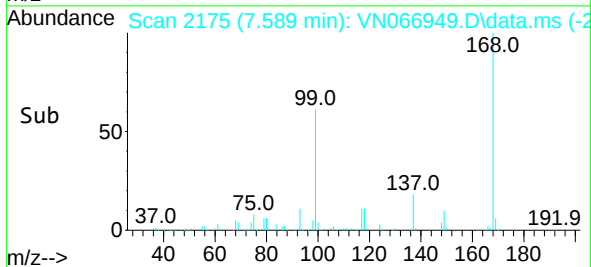
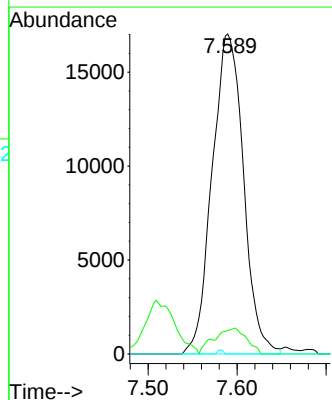
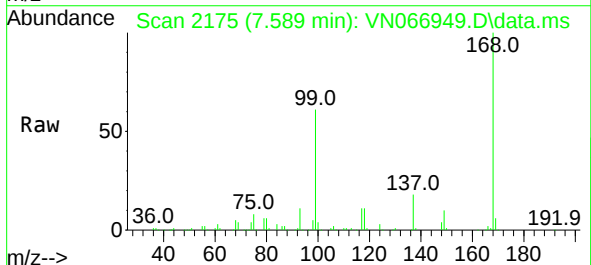
Instrument :
MSVOA_N
ClientSampled :

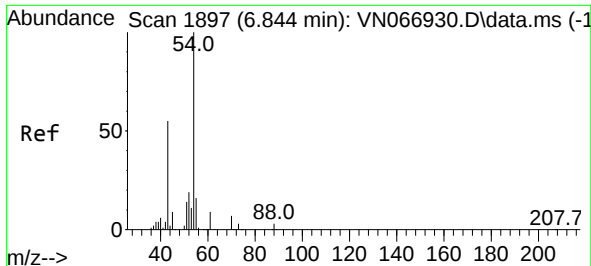
Tgt Ion:113 Resp: 277094
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 18.4 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Tgt Ion: 75 Resp: 41569
Ion Ratio Lower Upper
75 100
110 8.3 18.2 54.6#
77 0.2 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.26 ug/l

RT: 6.761 min Scan# 1866

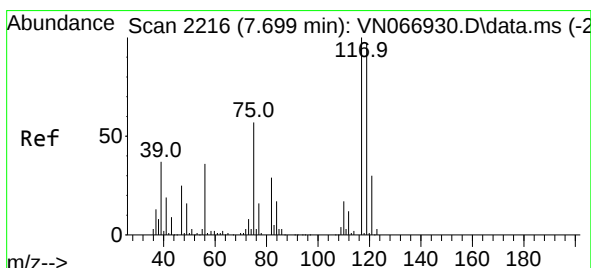
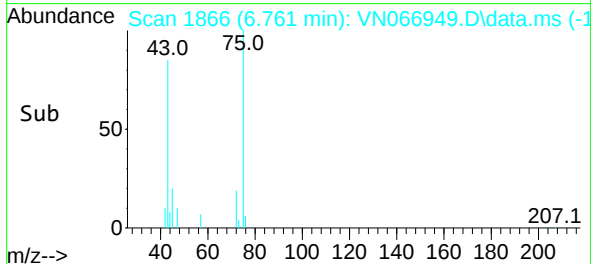
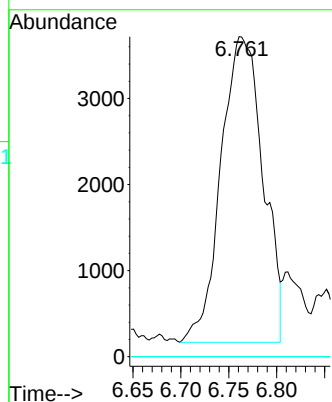
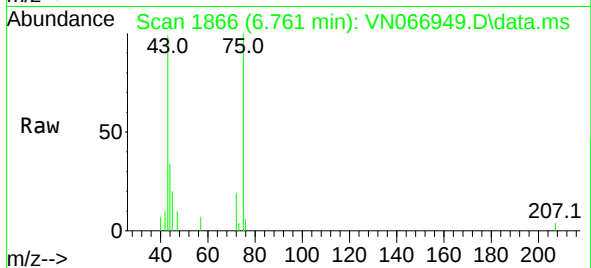
Delta R.T. -0.083 min

Lab File: VN066949.D

Acq: 4 May 2021 20:42

Tgt Ion:	43	Resp:	10835
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.74 ug/l

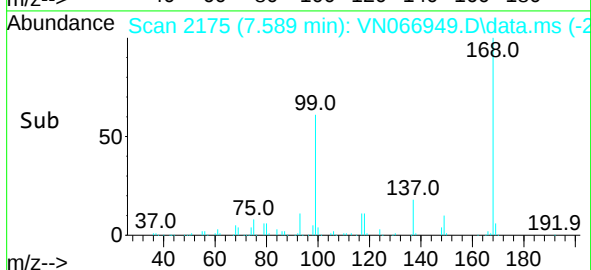
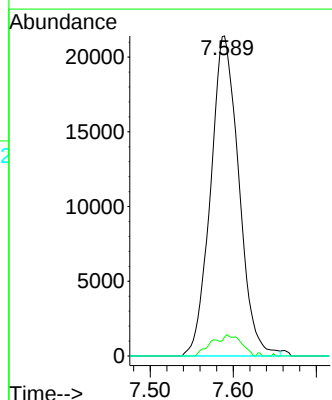
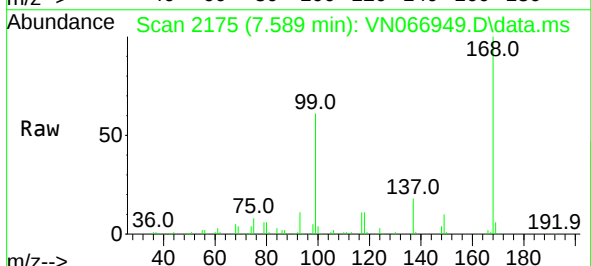
RT: 7.589 min Scan# 2175

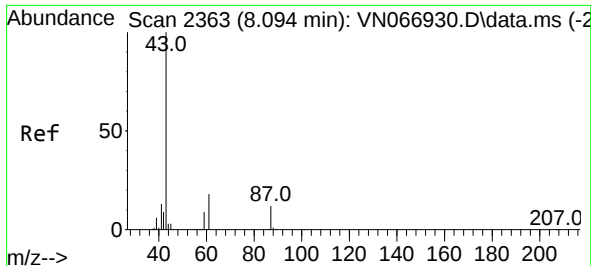
Delta R.T. -0.110 min

Lab File: VN066949.D

Acq: 4 May 2021 20:42

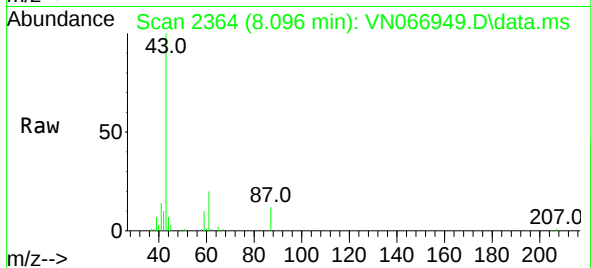
Tgt Ion:	117	Resp:	50536
Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.0	114.0#
121	0.0	24.5	36.7#



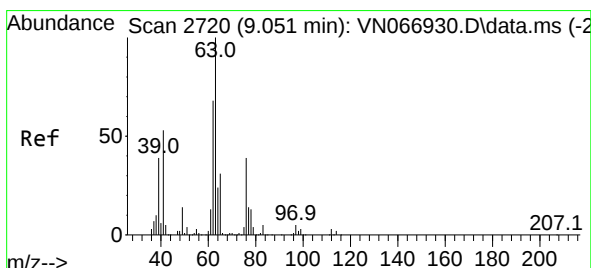
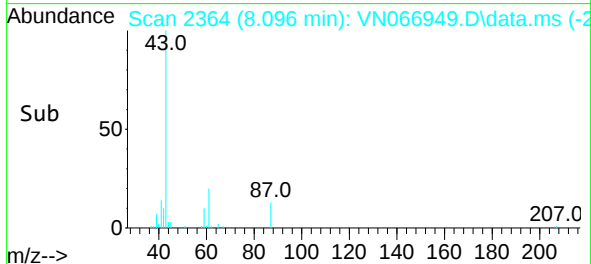
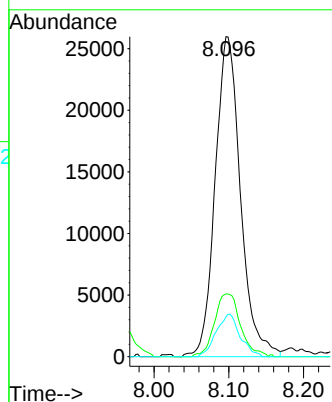


#43
Isopropyl Acetate
Concen: 4.37 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Instrument :
MSVOA_N
ClientSampled :

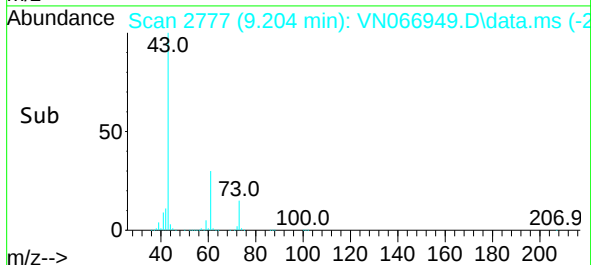
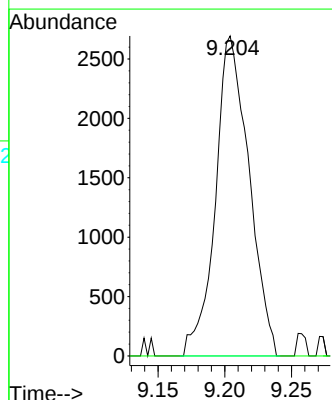
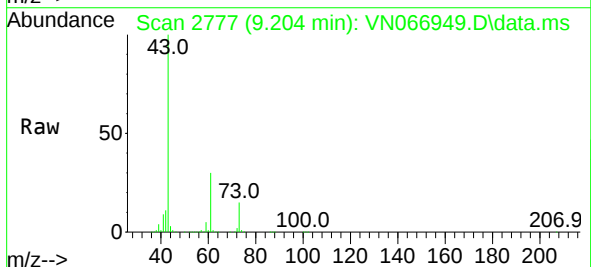


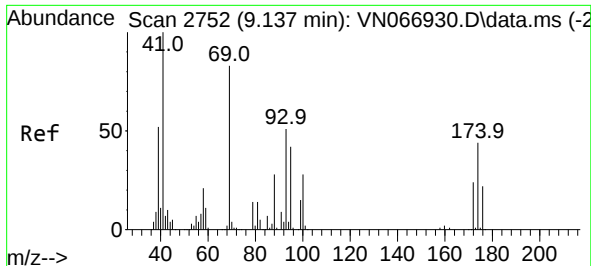
Tgt Ion: 43 Resp: 61056
Ion Ratio Lower Upper
43 100
61 20.1 22.5 33.7#
87 12.5 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.64 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.153 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

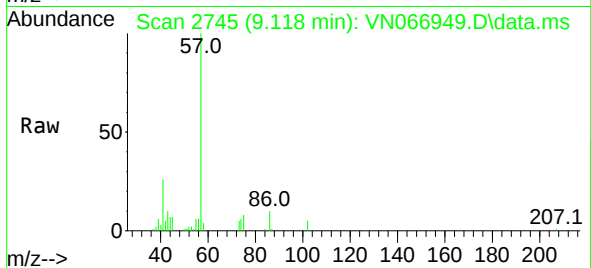
Tgt Ion: 63 Resp: 4716
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



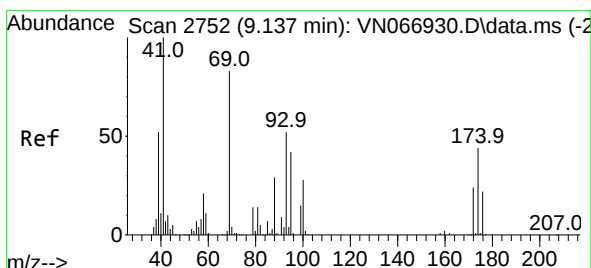
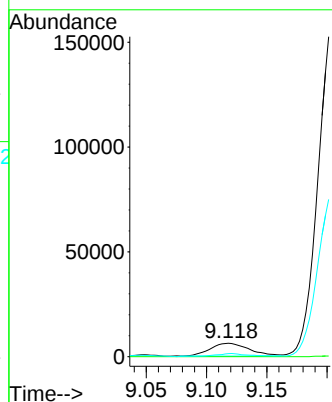
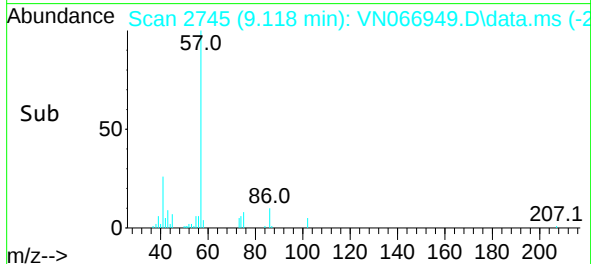


#48
Methyl methacrylate
Concen: 2.21 ug/l
RT: 9.118 min Scan# 2745
Delta R.T. -0.019 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

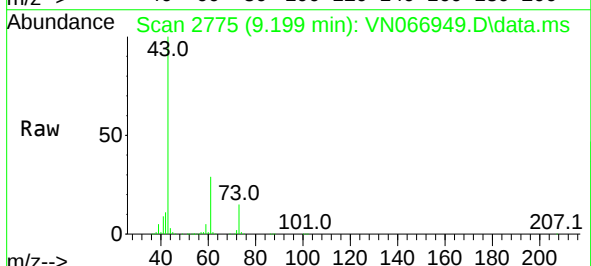
Instrument :
MSVOA_N
ClientSampled :



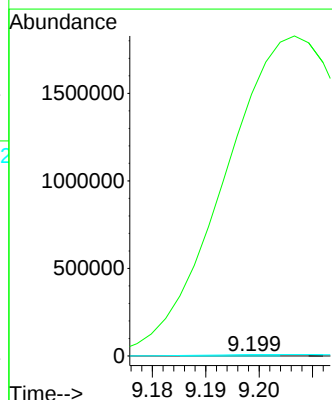
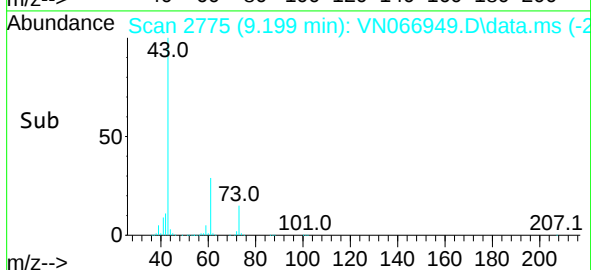
Tgt Ion: 41 Resp: 13701
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

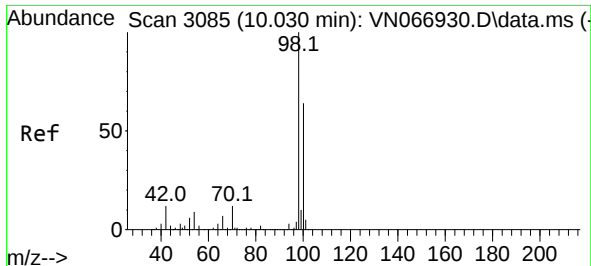


#49
1,4-Dioxane
Concen: 2.14 ug/l
RT: 9.199 min Scan# 2775
Delta R.T. 0.062 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42



Tgt Ion: 88 Resp: 210
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 0.0 52.6 78.8#

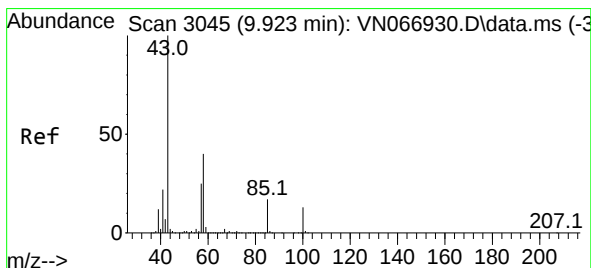
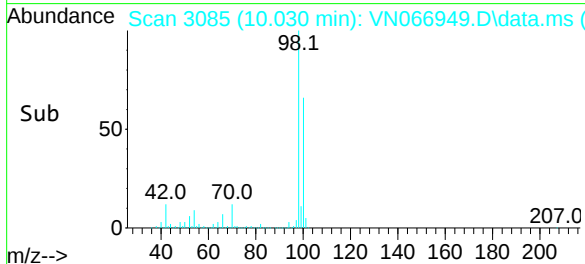
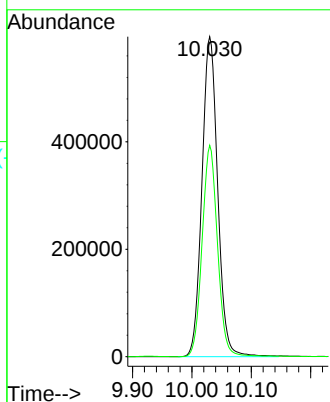
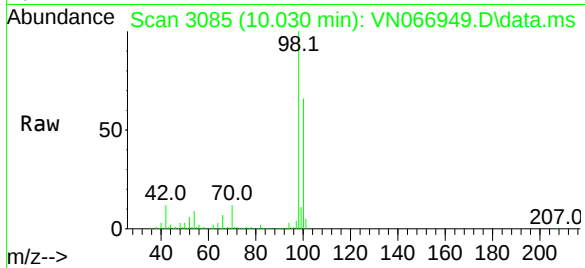




#50
Toluene-d8
Concen: 52.37 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

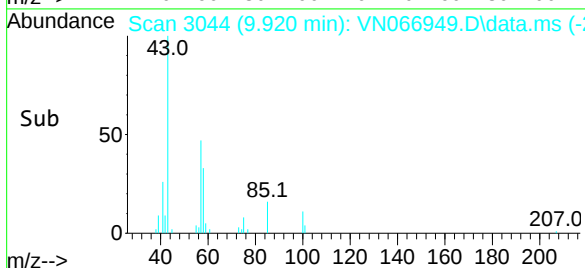
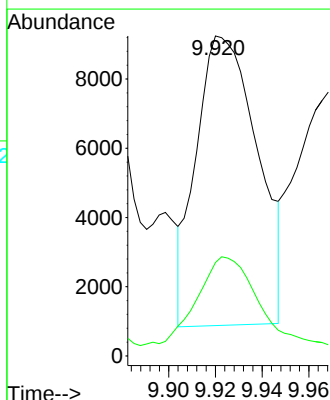
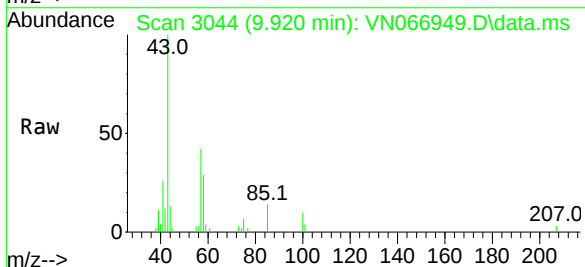
Instrument :
MSVOA_N
ClientSampled :

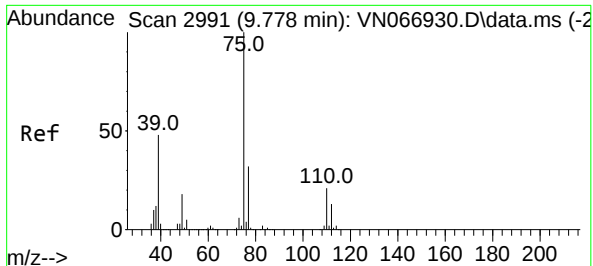
Tgt Ion: 98 Resp: 1098532
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.88 ug/l
RT: 9.920 min Scan# 3044
Delta R.T. -0.003 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Tgt Ion: 43 Resp: 15204
Ion Ratio Lower Upper
43 100
58 35.1 32.5 48.7

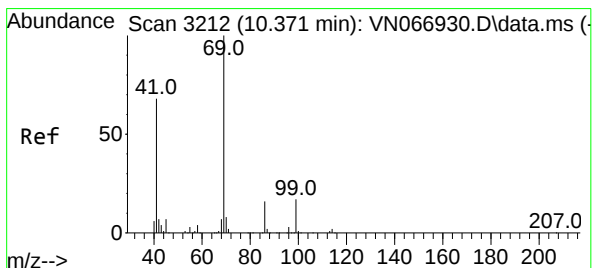
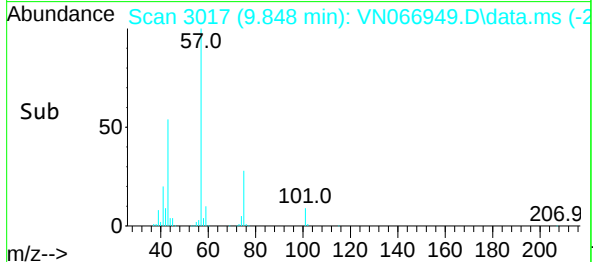
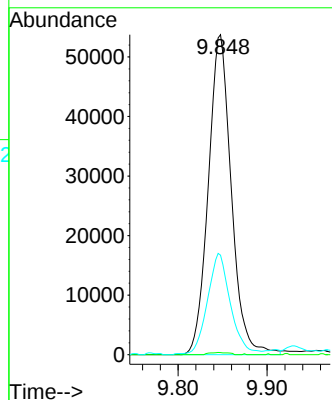
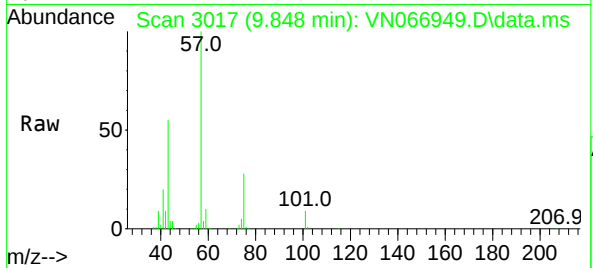




#54
cis-1,3-Dichloropropene
Concen: 8.66 ug/l
RT: 9.848 min Scan# 3017
Delta R.T. 0.070 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

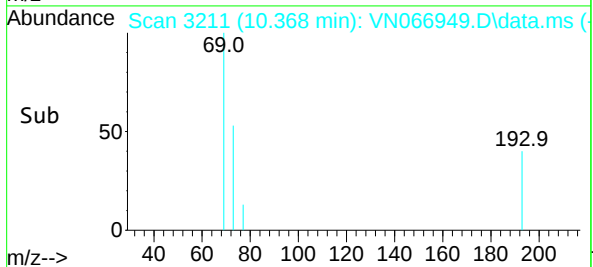
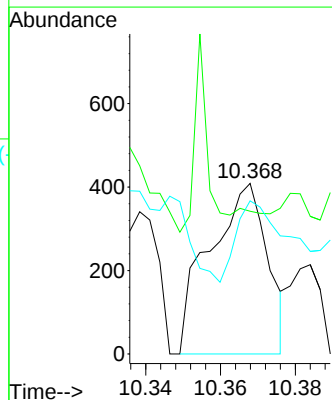
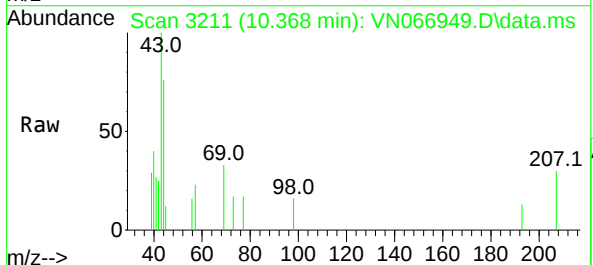
Instrument :
MSVOA_N
ClientSampled :

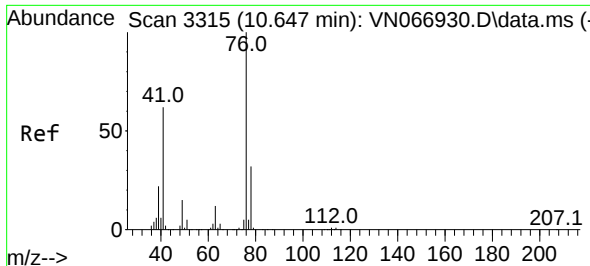
Tgt Ion: 75 Resp: 96330
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 30.7 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.23 ug/l
RT: 10.368 min Scan# 3211
Delta R.T. -0.003 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Tgt Ion: 69 Resp: 440
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

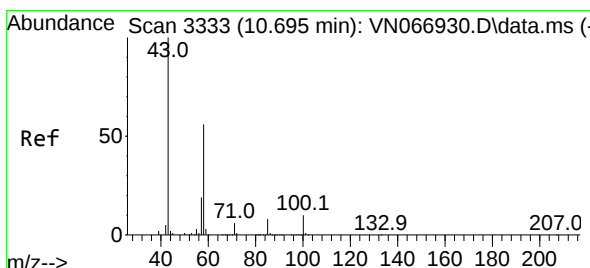
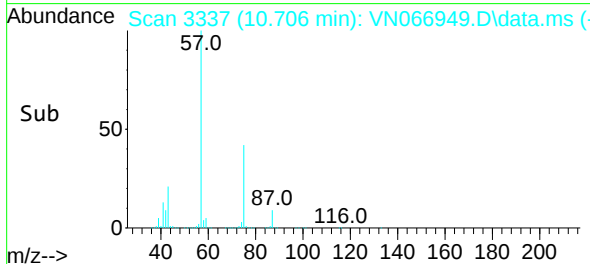
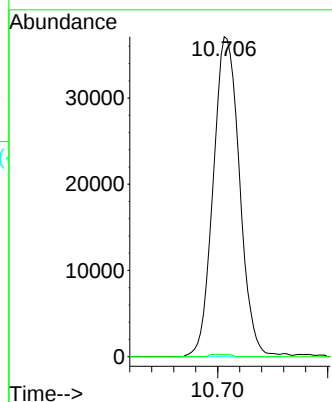
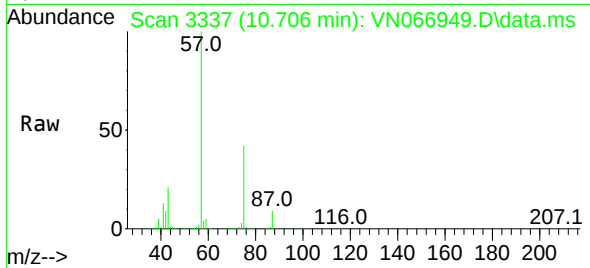




#57
1,3-Dichloropropane
Concen: 5.62 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

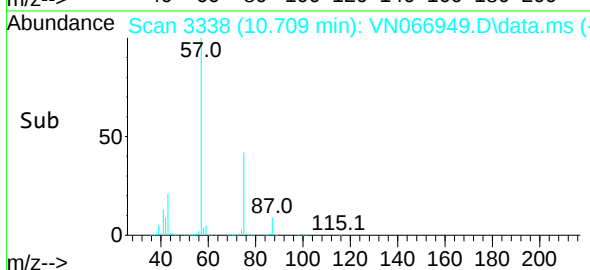
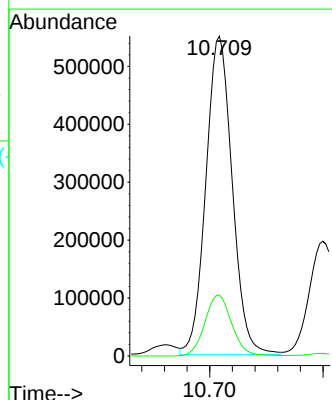
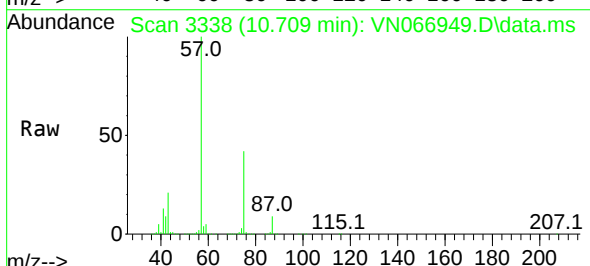
Instrument :
MSVOA_N
ClientSampled :

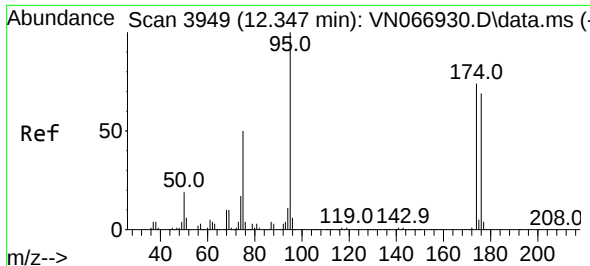
Tgt Ion: 76 Resp: 61648
Ion Ratio Lower Upper
76 100
78 0.6 25.7 38.5#



#59
2-Hexanone
Concen: 161.71 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Tgt Ion: 43 Resp: 888044
Ion Ratio Lower Upper
43 100
58 19.5 28.1 84.3#

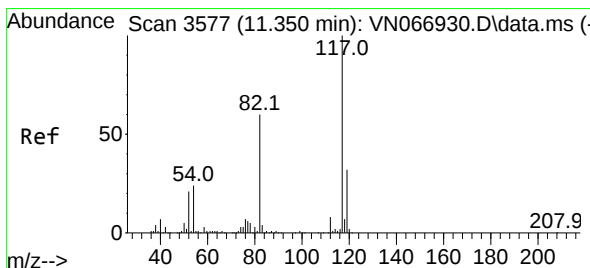
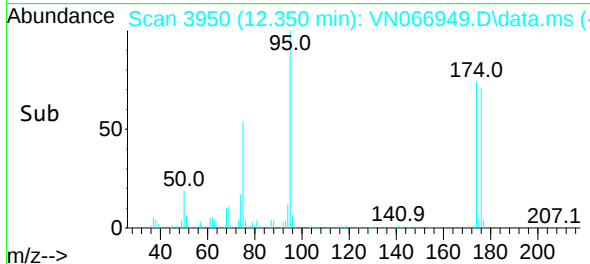
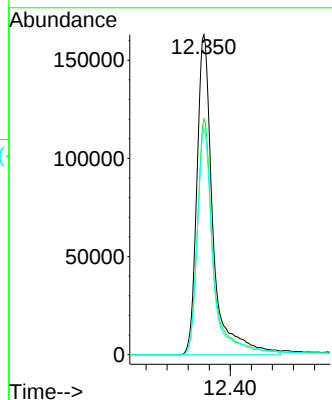
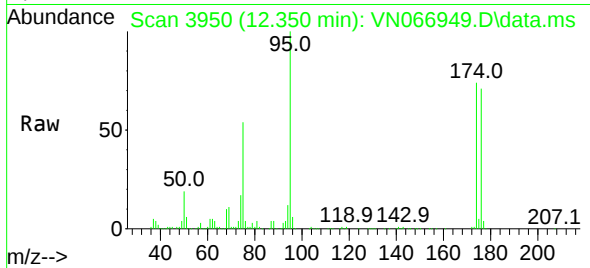




#62
4-Bromofluorobenzene
Concen: 48.60 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

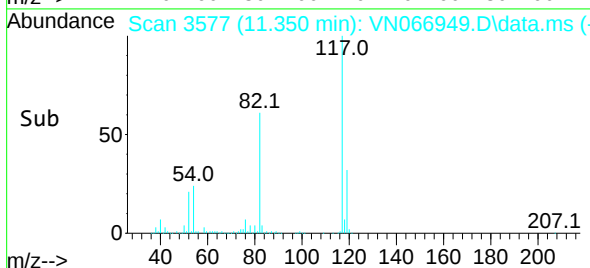
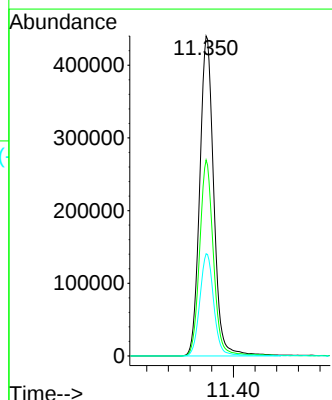
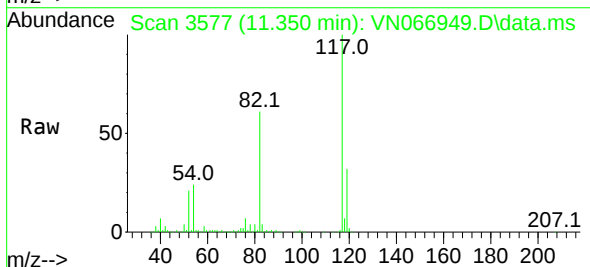
Instrument :
MSVOA_N
ClientSampleId :

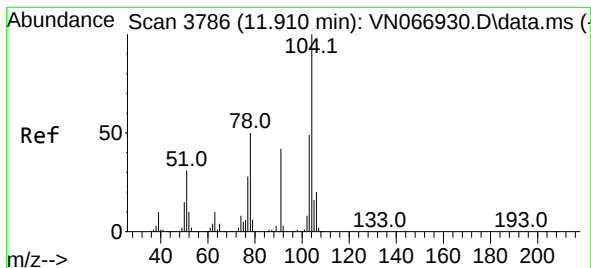
Tgt Ion: 95 Resp: 345181
Ion Ratio Lower Upper
95 100
174 71.3 0.0 169.0
176 69.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Tgt Ion: 117 Resp: 789590
Ion Ratio Lower Upper
117 100
82 61.3 43.7 65.5
119 31.9 26.1 39.1





#70

Styrene

Concen: 4.72 ug/l

RT: 11.931 min Scan# 3794

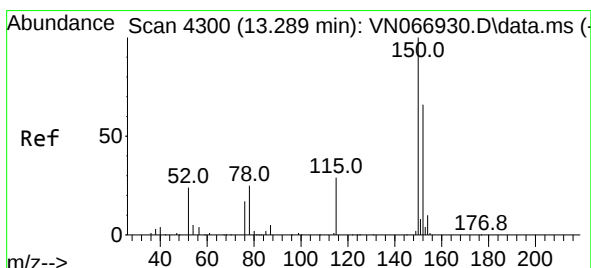
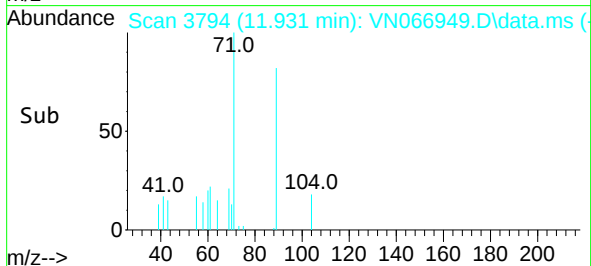
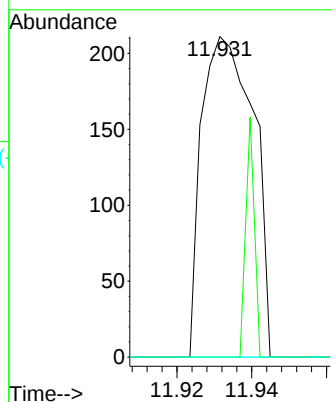
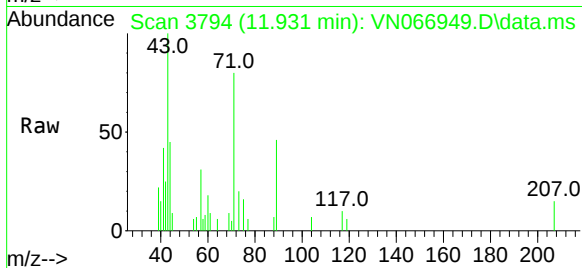
Delta R.T. 0.021 min

Lab File: VN066949.D

Acq: 4 May 2021 20:42

Tgt Ion:	104	Resp:	203
Ion	Ratio	Lower	Upper
104	100		
78	12.3	39.0	58.4#
103	0.0	44.5	66.7#

Instrument :
MSVOA_N
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

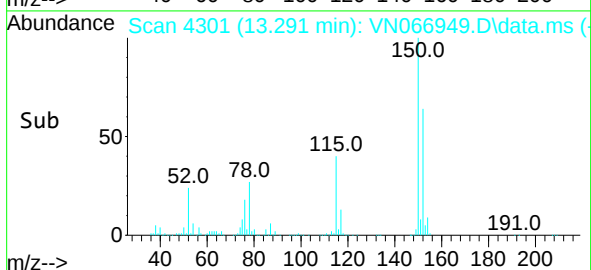
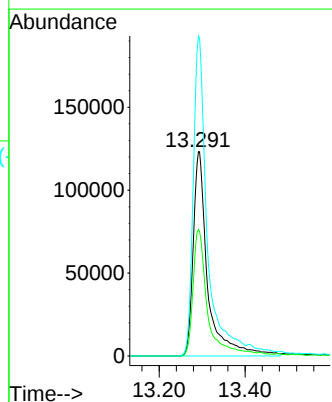
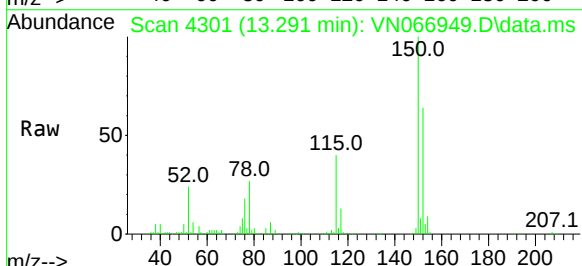
RT: 13.291 min Scan# 4301

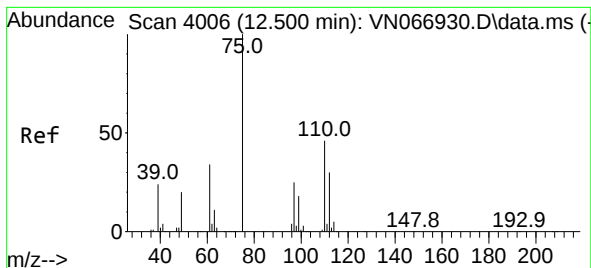
Delta R.T. 0.002 min

Lab File: VN066949.D

Acq: 4 May 2021 20:42

Tgt Ion:	152	Resp:	290282
Ion	Ratio	Lower	Upper
152	100		
115	61.4	28.5	85.6
150	148.8	0.0	347.6

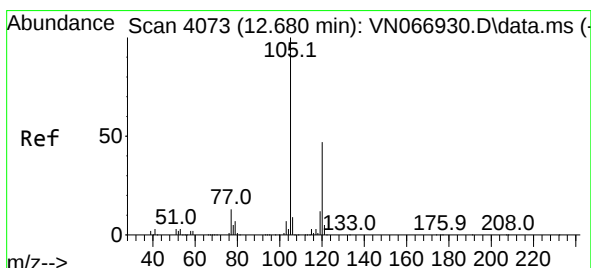
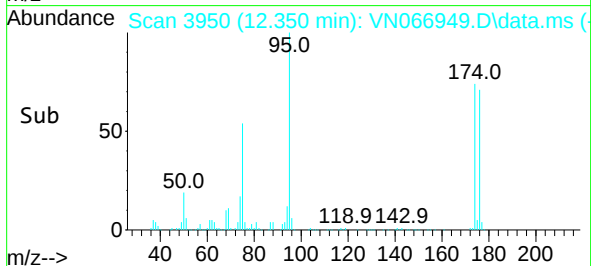
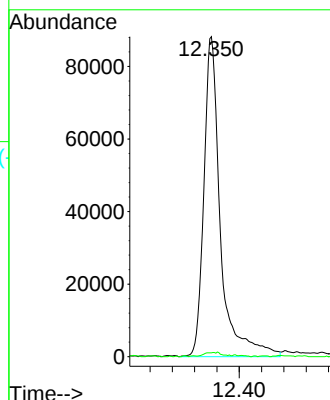
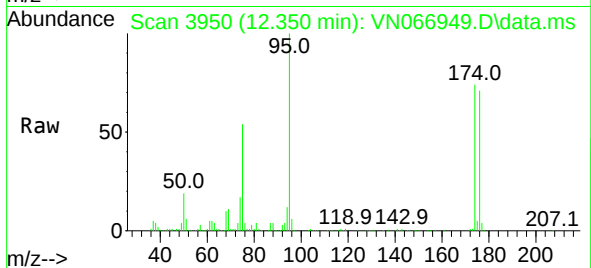




#76
1,2,3-Trichloropropane
Concen: 26.31 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

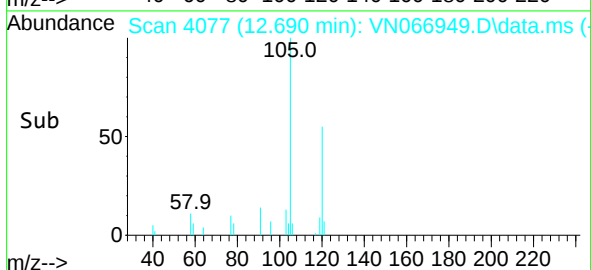
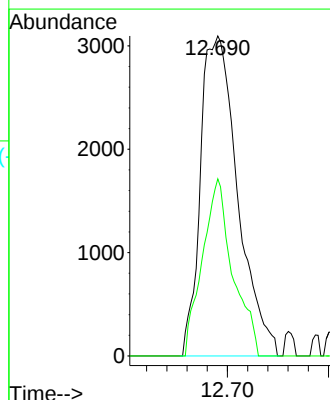
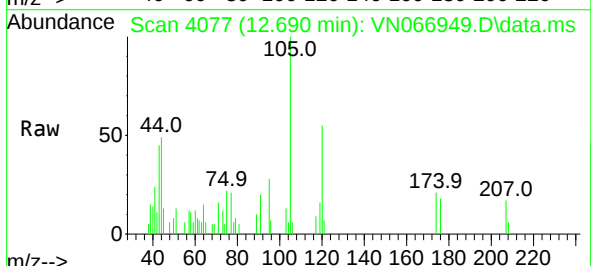
Instrument :
MSVOA_N
ClientSampleId :

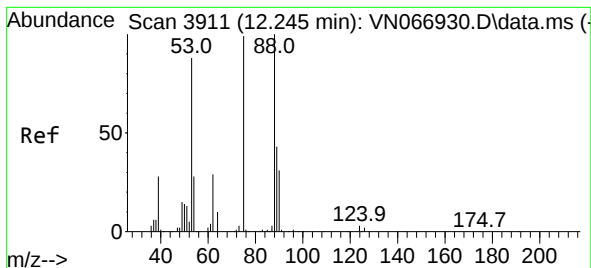
Tgt Ion: 75 Resp: 181906
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.40 ug/l
RT: 12.690 min Scan# 4077
Delta R.T. 0.010 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

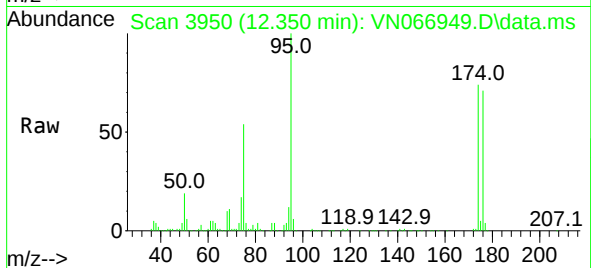
Tgt Ion:105 Resp: 7928
Ion Ratio Lower Upper
105 100
120 45.1 24.3 72.8



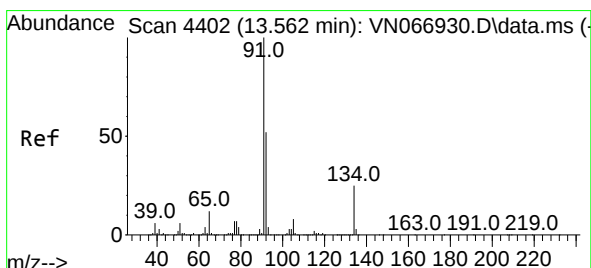
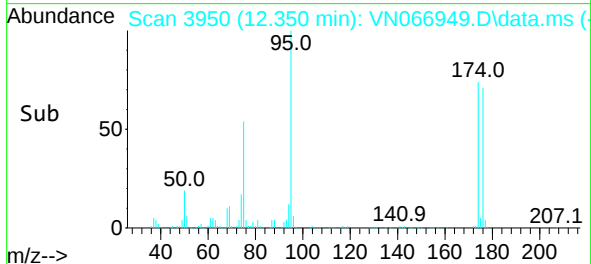
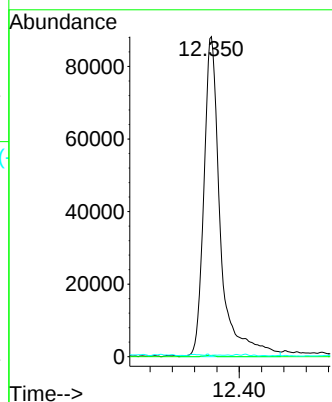


#81
trans-1,4-Dichloro-2-butene
Concen: 78.87 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 181906
Ion Ratio Lower Upper
75 100
53 0.3 74.6 111.8#
89 0.1 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.592 min Scan# 4413
Delta R.T. 0.030 min
Lab File: VN066949.D
Acq: 4 May 2021 20:42

Tgt Ion: 91 Resp: 78
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#

