

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
 Data File : VN066993.D
 Acq On : 5 May 2021 17:27
 Operator : JC/MD
 Sample : PB136154ZHE#20
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 04:51:27 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)

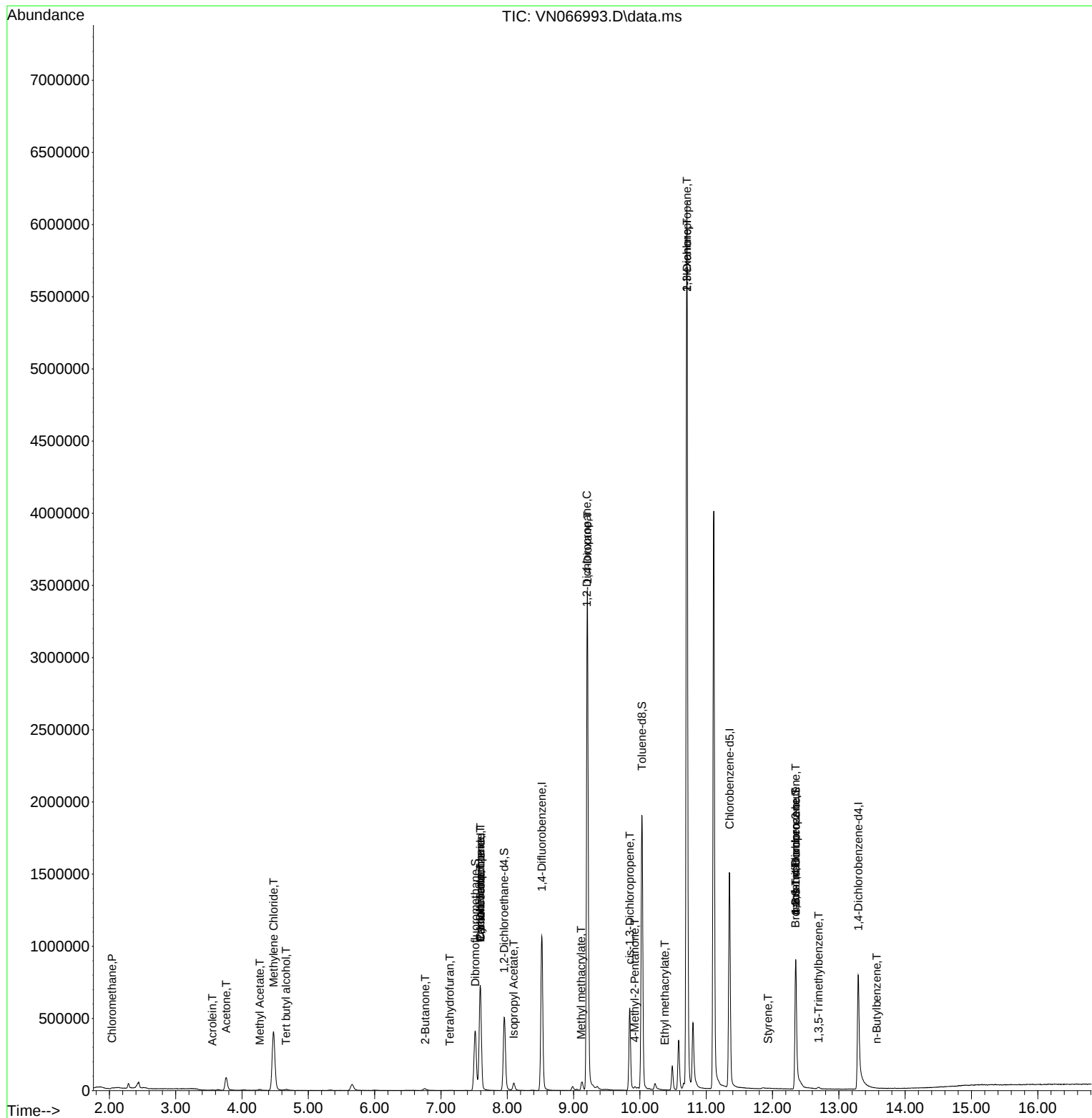
Internal Standards						
1) Pentafluorobenzene	7.595	168	558932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	939732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.352	117	863237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	294091	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	449477	51.09	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.18%			
35) Dibromofluoromethane	7.517	113	324040	50.78	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.56%			
50) Toluene-d8	10.030	98	1321138	54.36	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.72%			
62) 4-Bromofluorobenzene	12.350	95	409374	49.75	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.50%			
Target Compounds					Qvalue	
3) Chloromethane	2.038	50	2596	0.24	ug/l	90
11) Tert butyl alcohol	4.663	59	875	0.70	ug/l #	73
13) Acrolein	3.553	56	1196	1.16	ug/l	87
16) Acetone	3.762	43	152076	49.14	ug/l	98
18) Methyl Acetate	4.267	43	10614	1.20	ug/l #	82
20) Methylene Chloride	4.476	84	290447	37.00	ug/l	91
25) 2-Butanone	6.763	43	9353	2.05	ug/l	96
29) Tetrahydrofuran	7.134	42	1760	0.58	ug/l #	32
31) Cyclohexane	7.592	56	13300	1.07	ug/l #	1
36) 1,1-Dichloropropene	7.592	75	49163	5.02	ug/l #	43
38) Carbon Tetrachloride	7.595	117	58516	5.73	ug/l #	16
43) Isopropyl Acetate	8.096	43	61953	3.83	ug/l #	91
45) 1,2-Dichloropropane	9.201	63	4378	0.51	ug/l #	44
48) Methyl methacrylate	9.116	41	14323	2.00	ug/l #	10
49) 1,4-Dioxane	9.212	88	360	3.16	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	16837	1.80	ug/l #	80
54) cis-1,3-Dichloropropene	9.848	75	107491	8.34	ug/l #	64
56) Ethyl methacrylate	10.376	69	289	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.709	76	63877	5.03	ug/l #	43
59) 2-Hexanone	10.709	43	911854	146.55	ug/l #	50
70) Styrene	11.932	104	61	4.71	ug/l #	26
71) Bromoform	12.345	173	1067	0.21	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	216180	30.86	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.693	105	7708	0.39	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.350	75	216180	91.56	ug/l #	12
89) n-Butylbenzene	13.573	91	54	5.24	ug/l #	34

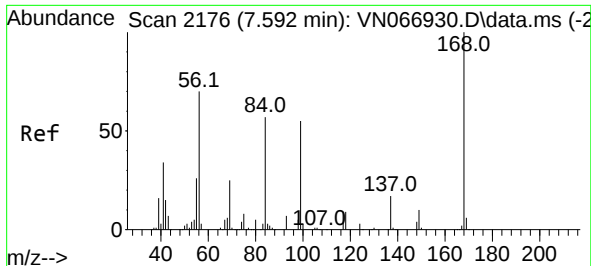
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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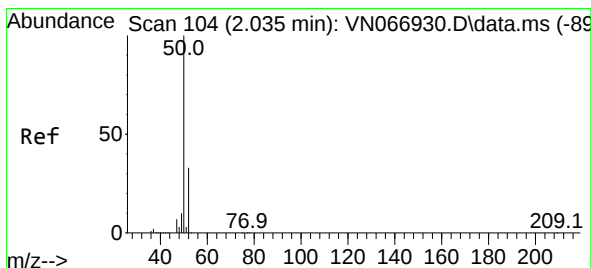
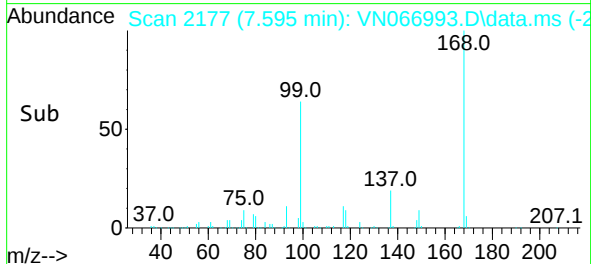
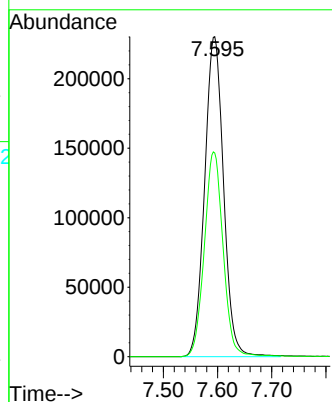
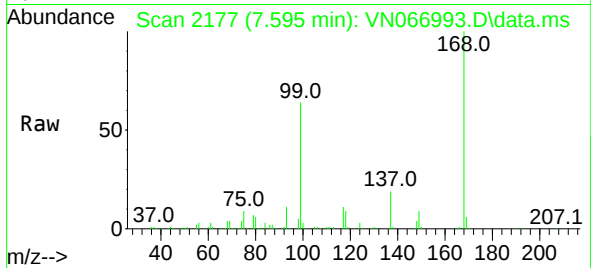




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. 0.003 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

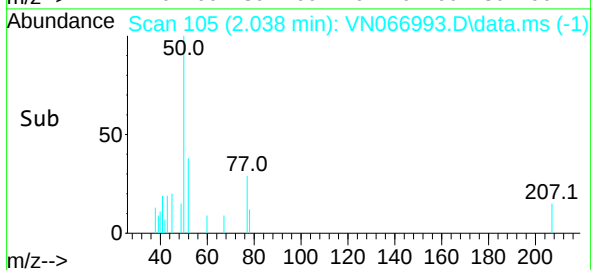
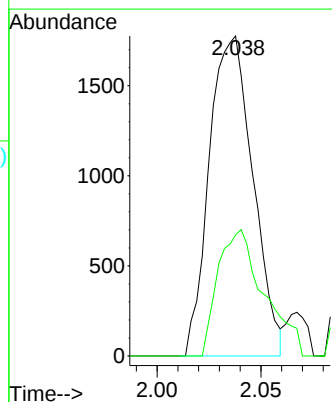
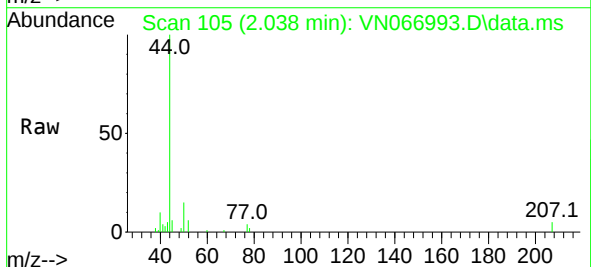
Instrument :
MSVOA_N
ClientSampled :

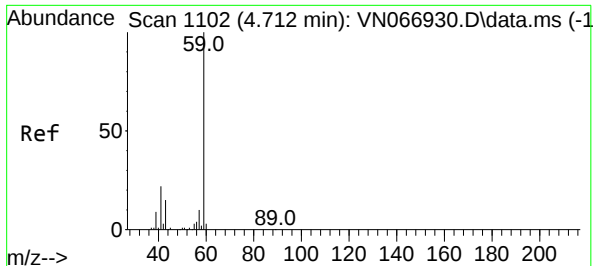
Tgt Ion:168 Resp: 558932
Ion Ratio Lower Upper
168 100
99 63.7 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.038 min Scan# 105
Delta R.T. 0.003 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Tgt Ion: 50 Resp: 2596
Ion Ratio Lower Upper
50 100
52 37.8 25.8 38.8

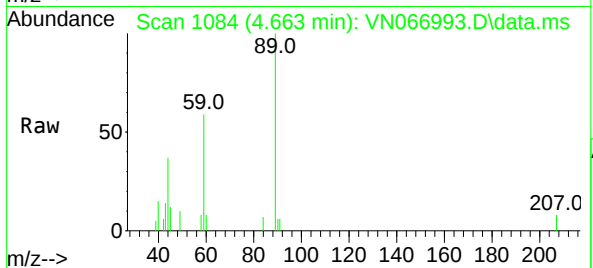




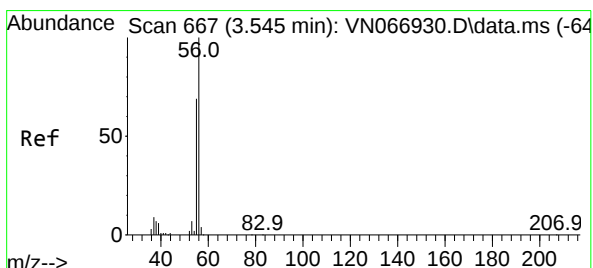
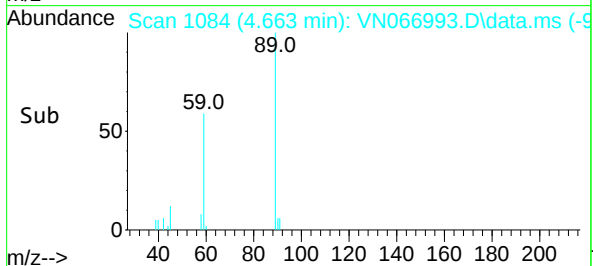
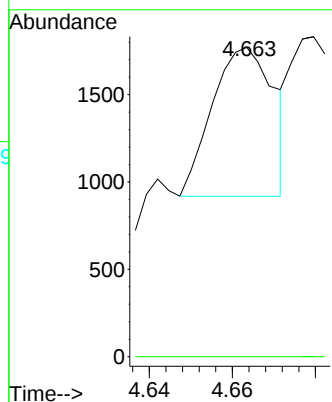
#11

Tert butyl alcohol
Concen: 0.70 ug/l
RT: 4.663 min Scan# 1084
Delta R.T. -0.049 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Instrument :
MSVOA_N
ClientSampleId :



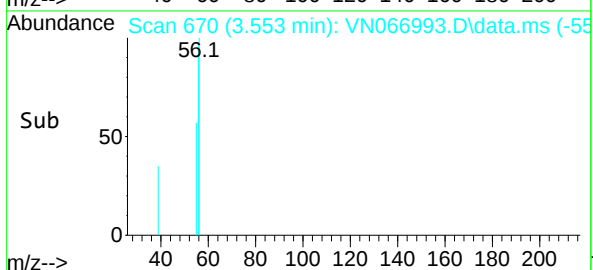
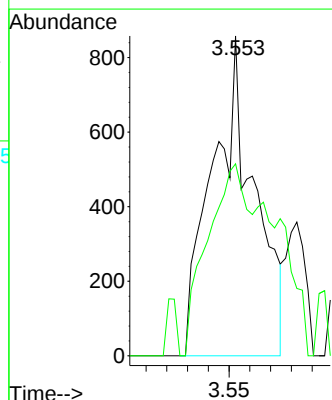
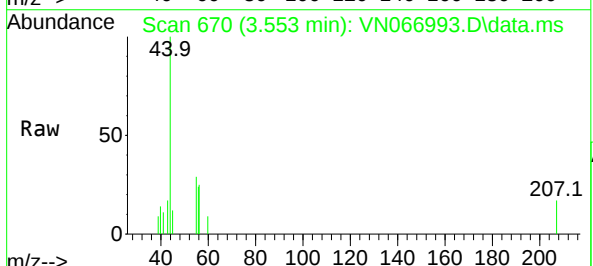
Tgt Ion: 59 Resp: 875
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

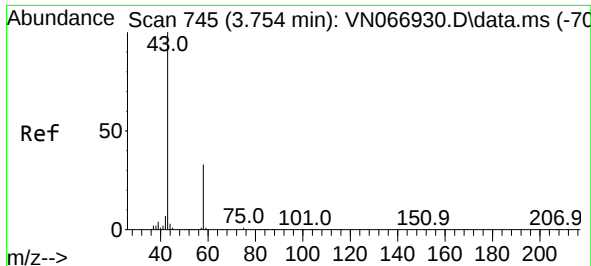


#13

Acrolein
Concen: 1.16 ug/l
RT: 3.553 min Scan# 670
Delta R.T. 0.008 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Tgt Ion: 56 Resp: 1196
Ion Ratio Lower Upper
56 100
55 59.4 56.0 84.0

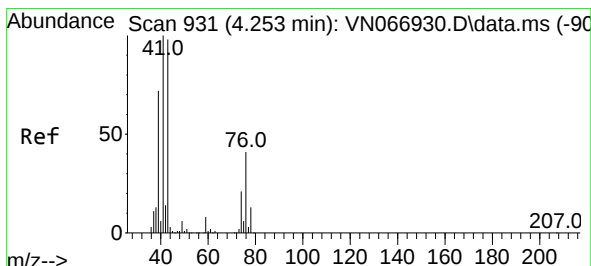
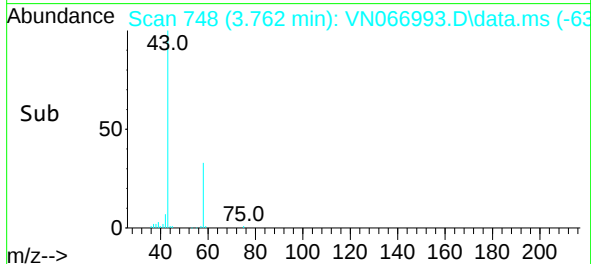
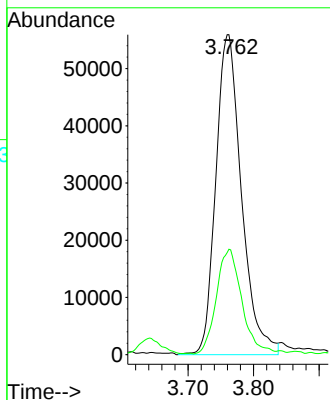
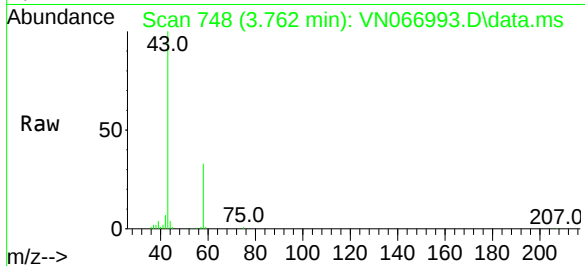




#16
Acetone
Concen: 49.14 ug/l
RT: 3.762 min Scan# 748
Delta R.T. 0.008 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

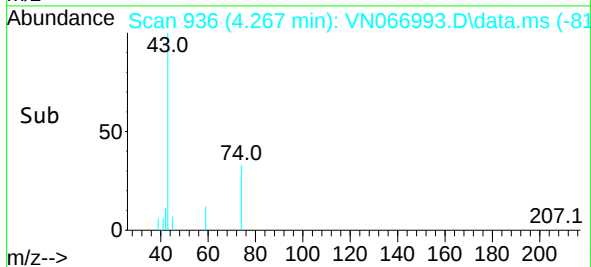
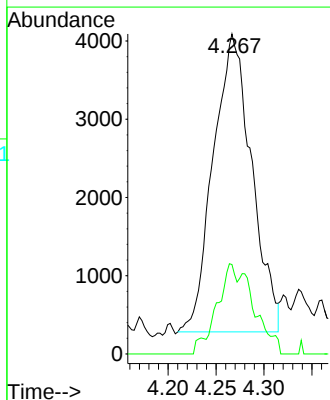
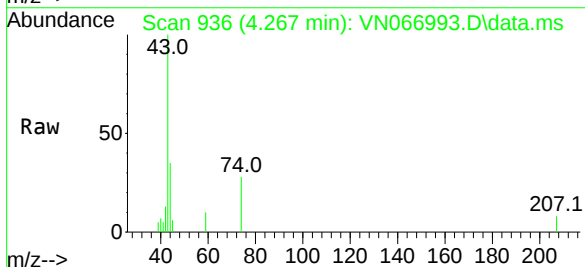
Instrument :
MSVOA_N
ClientSampled :

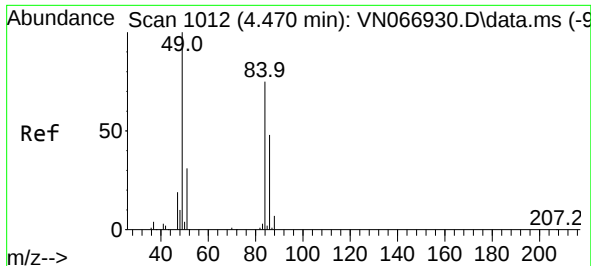
Tgt Ion: 43 Resp: 152076
Ion Ratio Lower Upper
43 100
58 32.5 27.0 40.6



#18
Methyl Acetate
Concen: 1.20 ug/l
RT: 4.267 min Scan# 936
Delta R.T. 0.014 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Tgt Ion: 43 Resp: 10614
Ion Ratio Lower Upper
43 100
74 15.5 19.5 29.3#





#20

Methylene Chloride

Concen: 37.00 ug/l

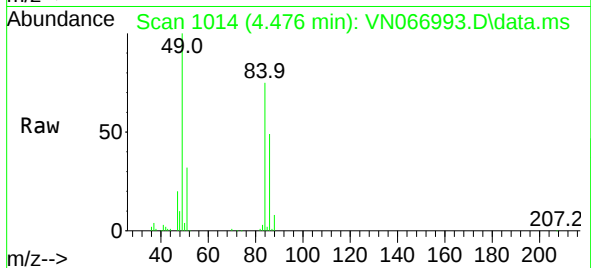
RT: 4.476 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VN066993.D

Acq: 5 May 2021 17:27

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 290447

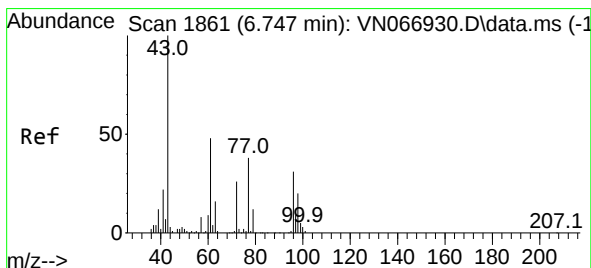
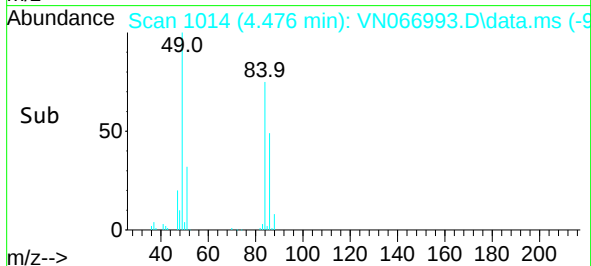
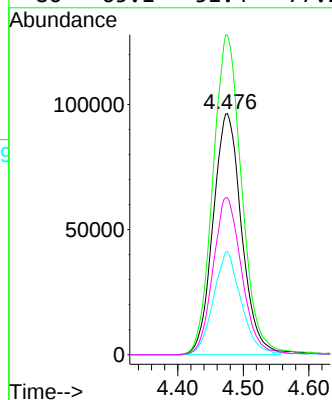
Ion Ratio Lower Upper

84 100

49 132.3 94.6 141.8

51 42.8 29.9 44.9

86 65.1 51.4 77.2



#25

2-Butanone

Concen: 2.05 ug/l

RT: 6.763 min Scan# 1867

Delta R.T. 0.016 min

Lab File: VN066993.D

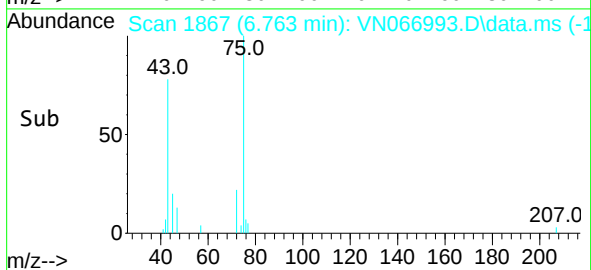
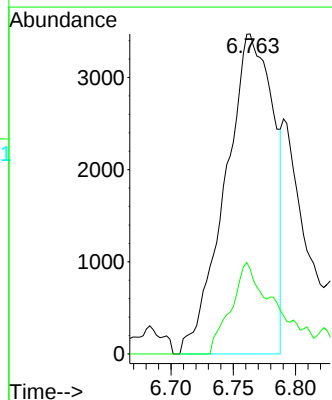
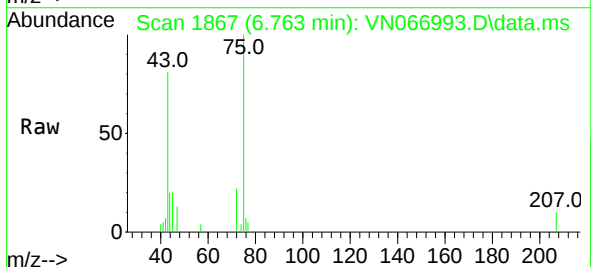
Acq: 5 May 2021 17:27

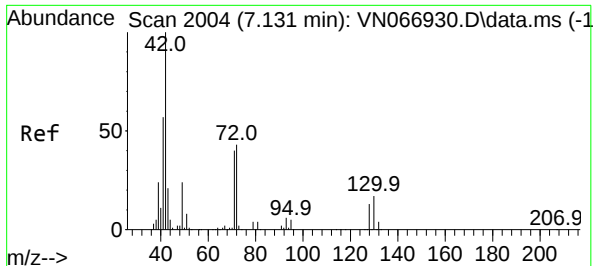
Tgt Ion: 43 Resp: 9353

Ion Ratio Lower Upper

43 100

72 26.6 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.58 ug/l

RT: 7.134 min Scan# 2005

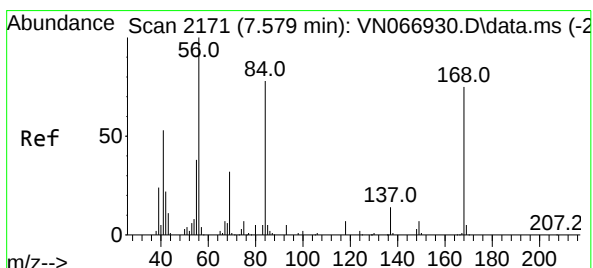
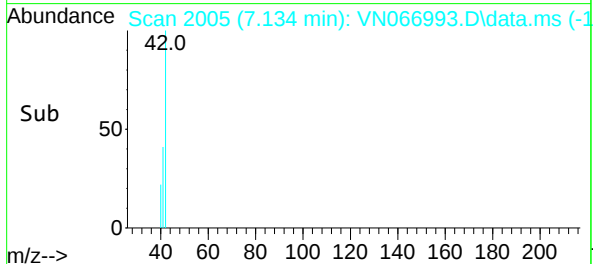
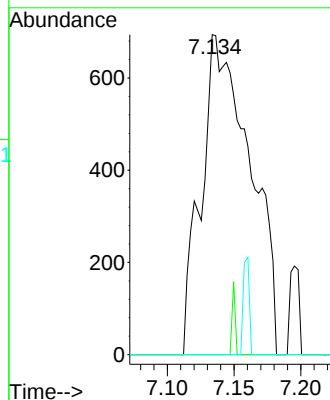
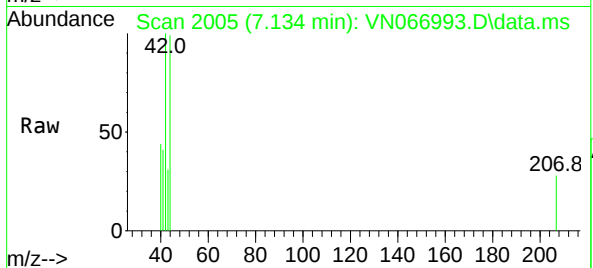
Delta R.T. 0.003 min

Lab File: VN066993.D

Acq: 5 May 2021 17:27

Tgt Ion:	42	Resp:	1760
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 1.07 ug/l

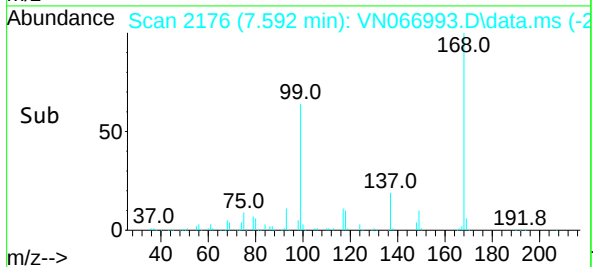
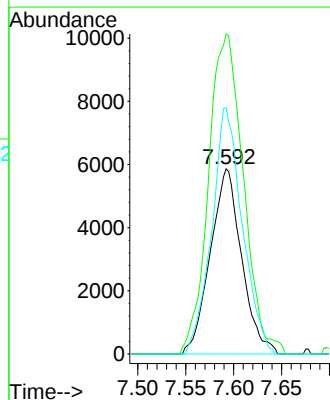
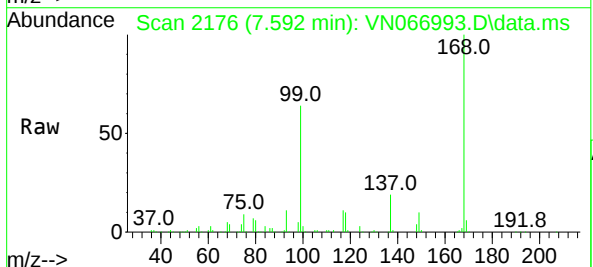
RT: 7.592 min Scan# 2176

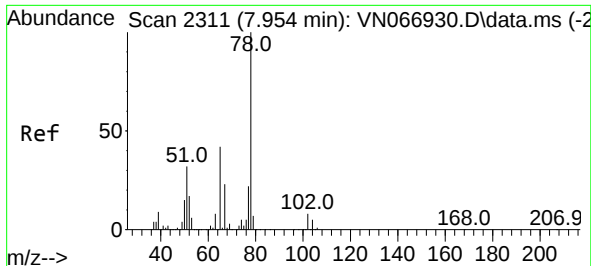
Delta R.T. 0.013 min

Lab File: VN066993.D

Acq: 5 May 2021 17:27

Tgt Ion:	56	Resp:	13300
Ion	Ratio	Lower	Upper
56	100		
69	172.8	26.6	39.8#
84	132.9	70.4	105.6#

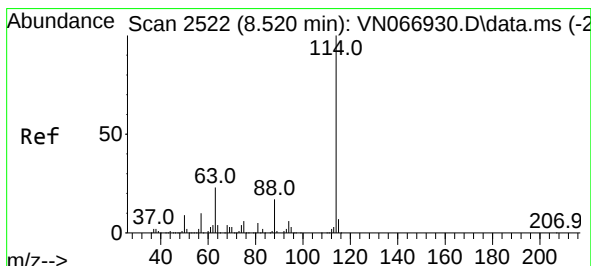
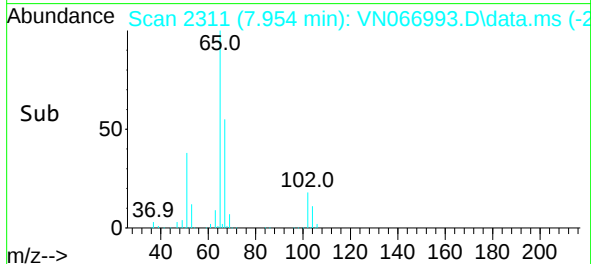
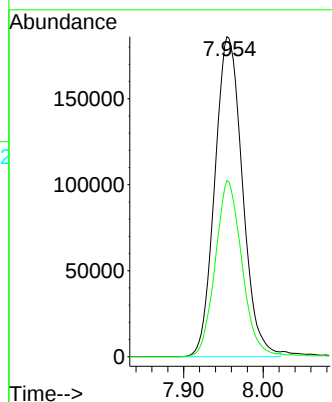
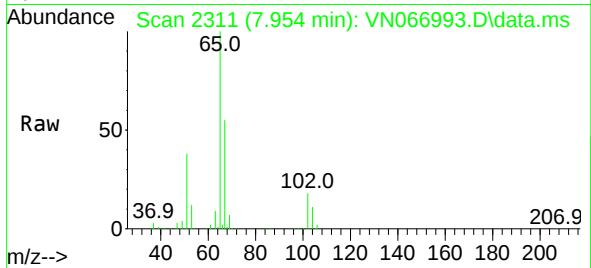




#33
1,2-Dichloroethane-d4
Concen: 51.09 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

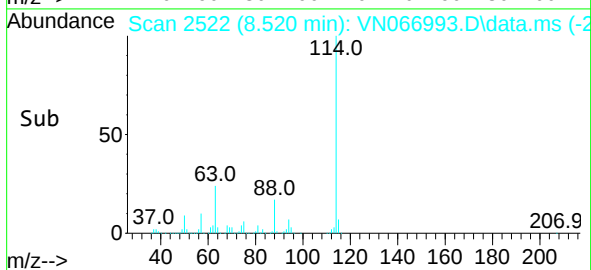
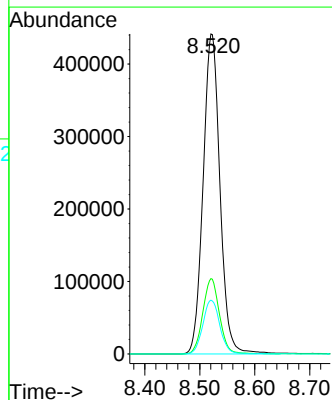
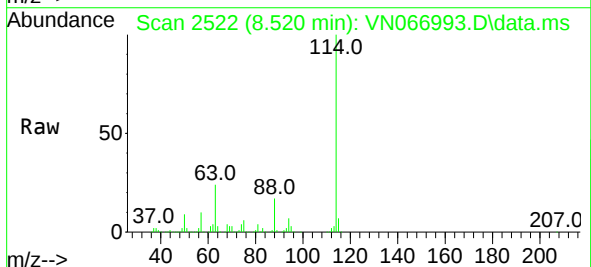
Instrument :
MSVOA_N
ClientSampled :

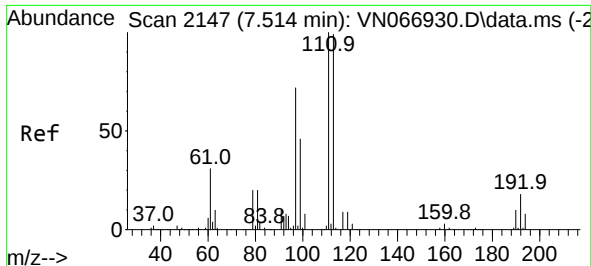
Tgt Ion: 65 Resp: 449477
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Tgt Ion: 114 Resp: 939732
Ion Ratio Lower Upper
114 100
63 23.6 0.0 38.6
88 16.8 0.0 30.6

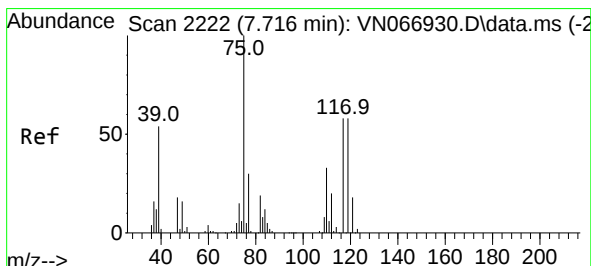
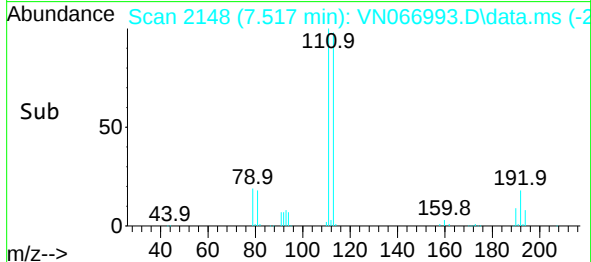
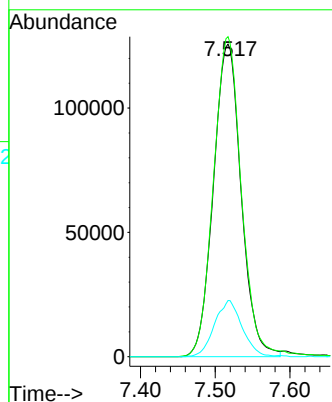
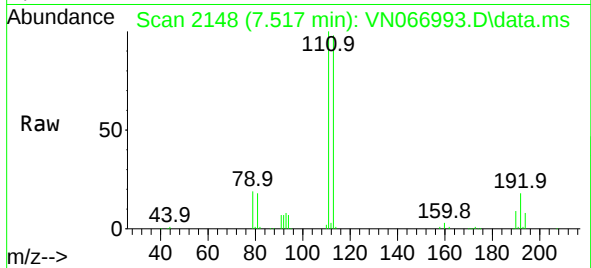




#35
Dibromofluoromethane
Concen: 50.78 ug/l
RT: 7.517 min Scan# 2148
Delta R.T. 0.003 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

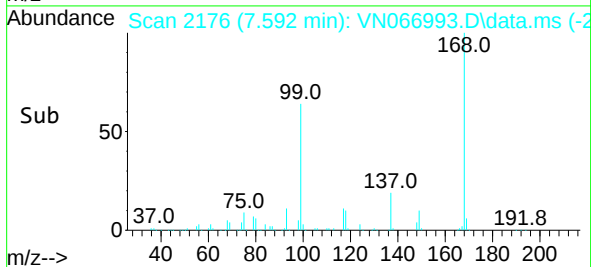
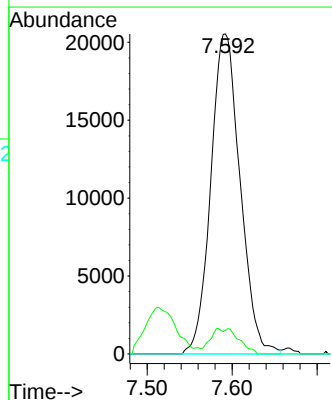
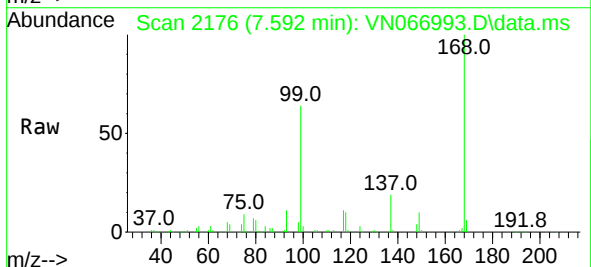
Instrument :
MSVOA_N
ClientSampled :

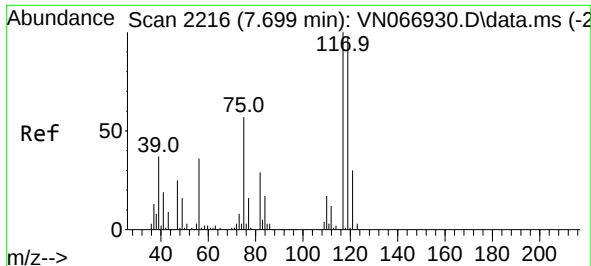
Tgt Ion:113 Resp: 324040
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 17.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.124 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

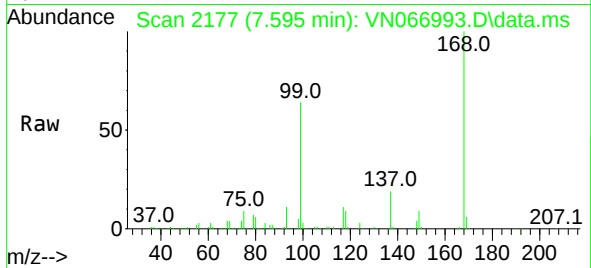
Tgt Ion: 75 Resp: 49163
Ion Ratio Lower Upper
75 100
110 2.6 18.2 54.6#
77 0.0 24.9 37.3#



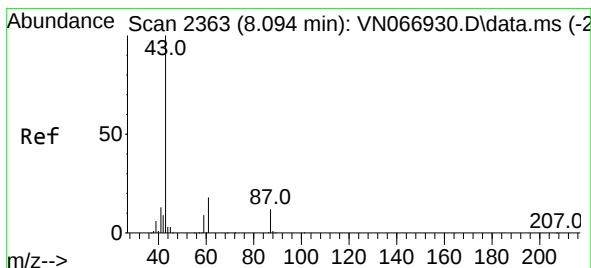
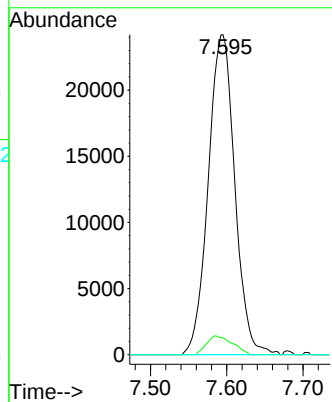
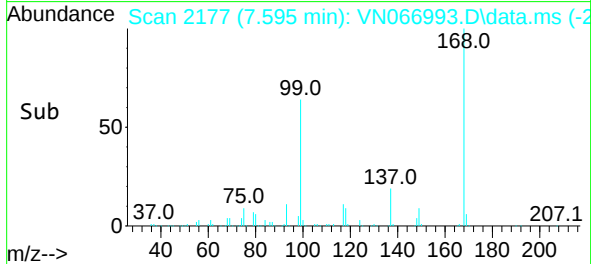


#38
Carbon Tetrachloride
Concen: 5.73 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. -0.104 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

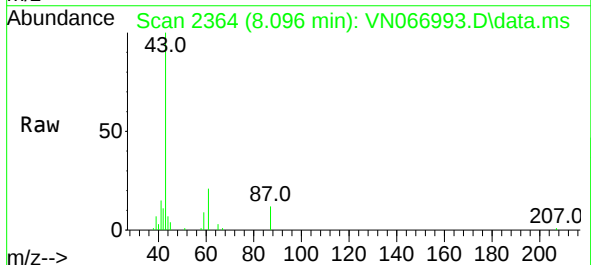
Instrument :
MSVOA_N
ClientSampled :



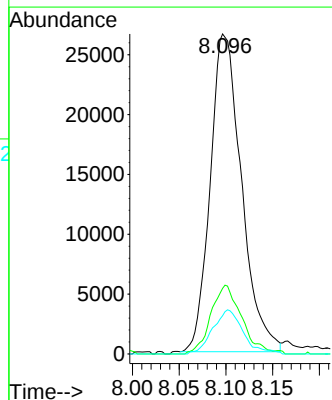
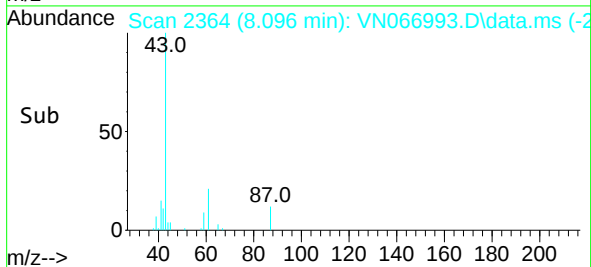
Tgt Ion:117 Resp: 58516
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 24.5 36.7#

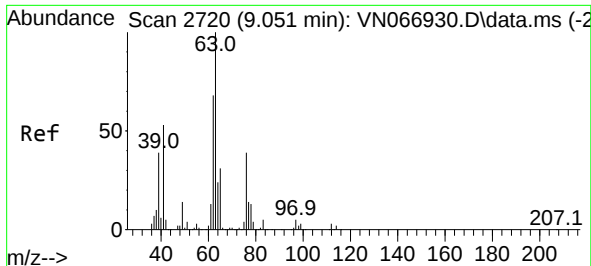


#43
Isopropyl Acetate
Concen: 3.83 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27



Tgt Ion: 43 Resp: 61953
Ion Ratio Lower Upper
43 100
61 21.2 22.5 33.7#
87 13.5 11.1 16.7



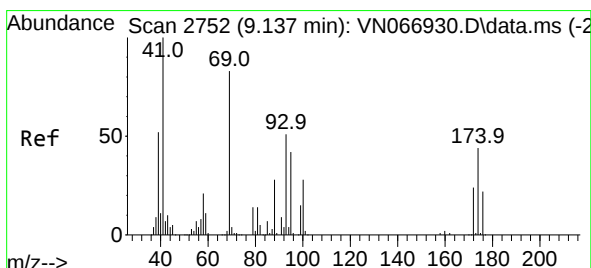
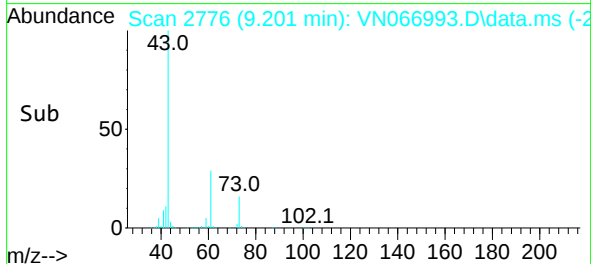
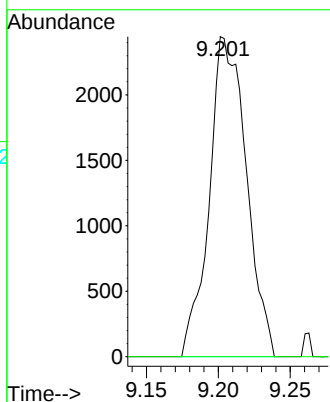
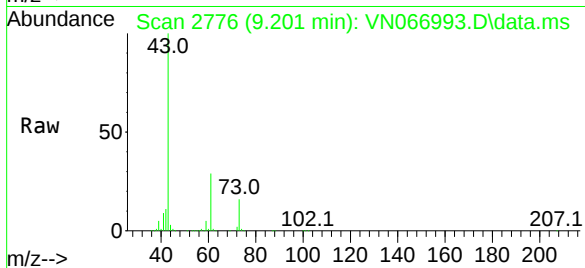


#45

1,2-Dichloropropane
Concen: 0.51 ug/l
RT: 9.201 min Scan# 2776
Delta R.T. 0.150 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Instrument :
MSVOA_N
ClientSampled :

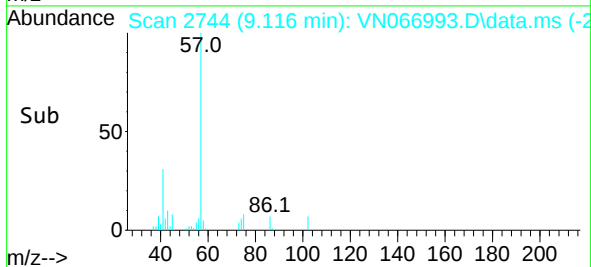
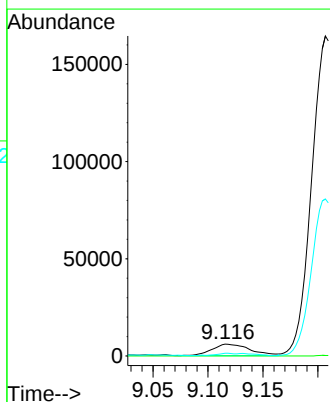
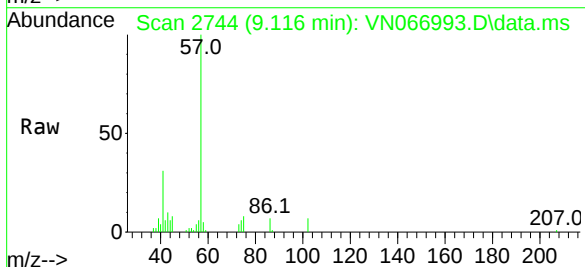
Tgt Ion: 63 Resp: 4378
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

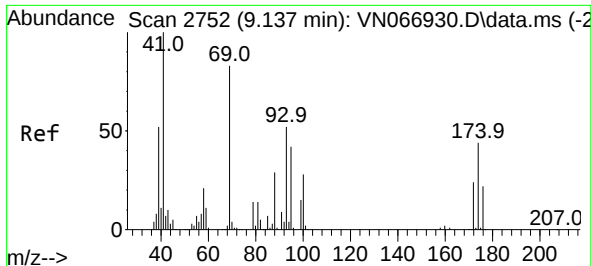


#48

Methyl methacrylate
Concen: 2.00 ug/l
RT: 9.116 min Scan# 2744
Delta R.T. -0.021 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Tgt Ion: 41 Resp: 14323
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: 3.16 ug/l

RT: 9.212 min Scan# 2780

Delta R.T. 0.075 min

Lab File: VN066993.D

Acq: 5 May 2021 17:27

Tgt Ion: 88 Resp: 360

Ion Ratio Lower Upper

88 100

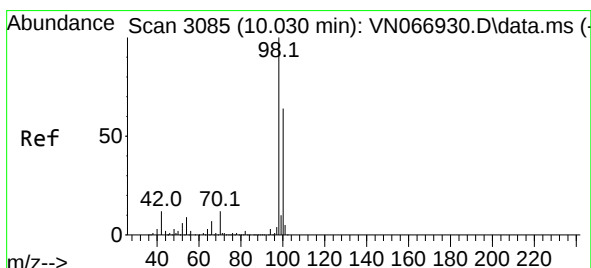
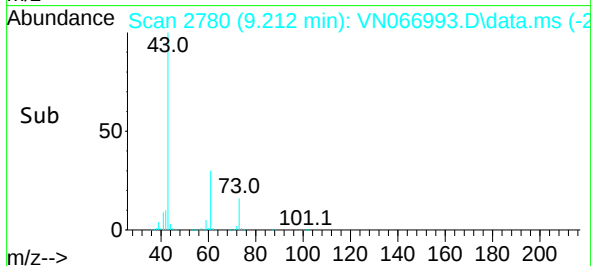
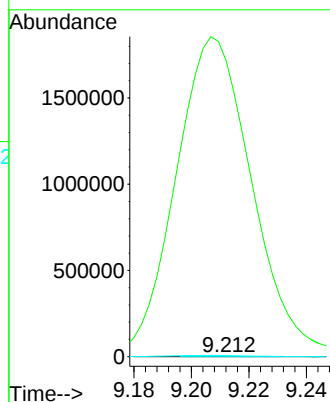
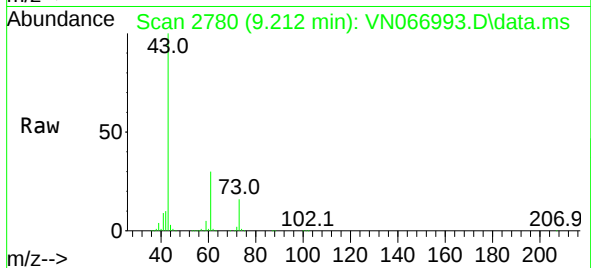
43 978527.8 24.7 37.1#

58 4033.6 52.6 78.8#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 54.36 ug/l

RT: 10.030 min Scan# 3085

Delta R.T. 0.000 min

Lab File: VN066993.D

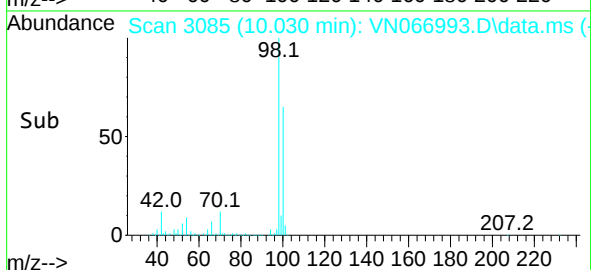
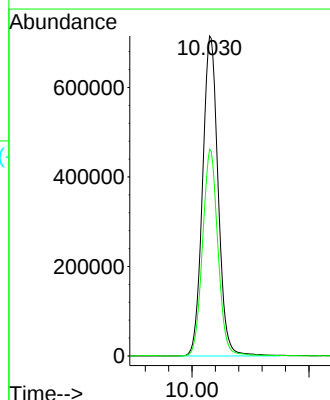
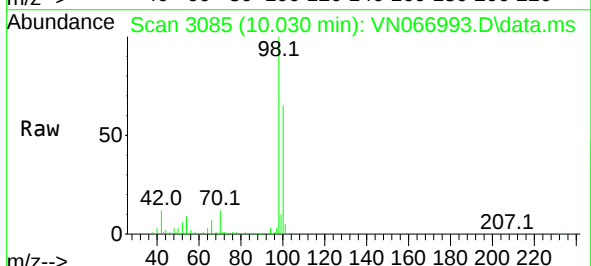
Acq: 5 May 2021 17:27

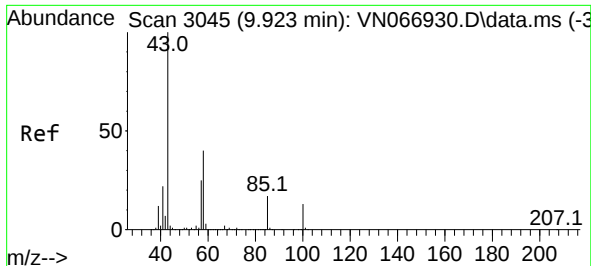
Tgt Ion: 98 Resp: 1321138

Ion Ratio Lower Upper

98 100

100 63.8 50.5 75.7

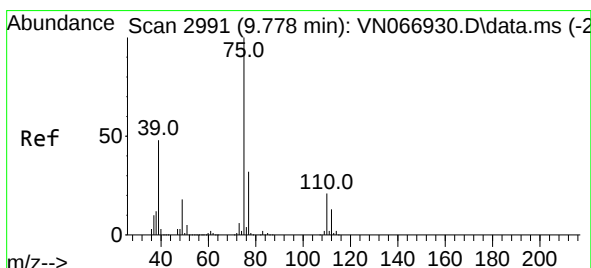
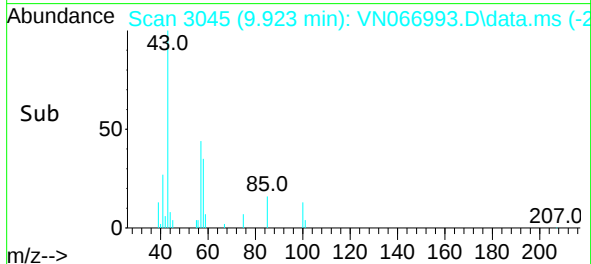
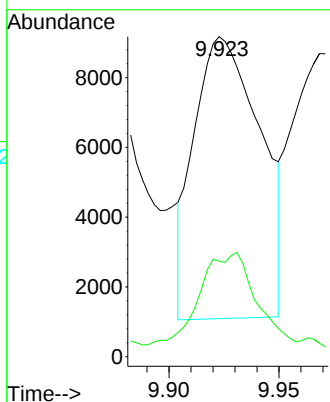
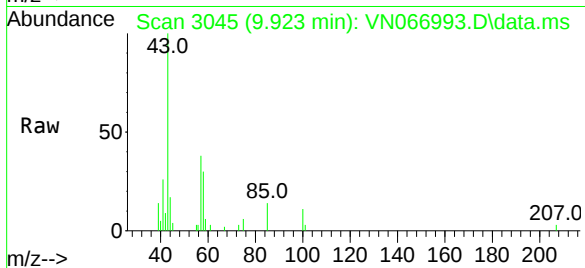




#51
4-Methyl-2-Pentanone
Concen: 1.80 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

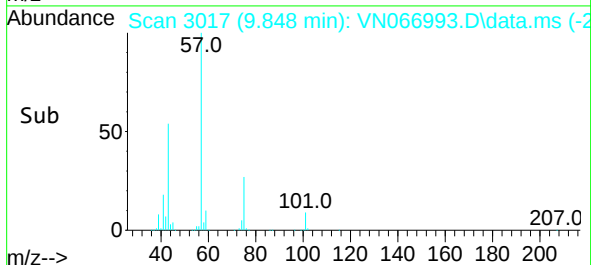
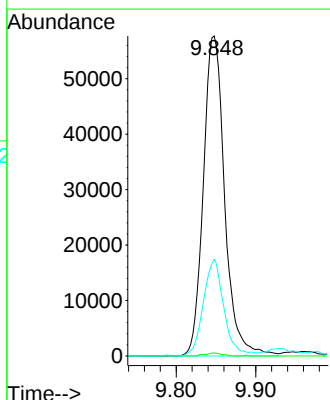
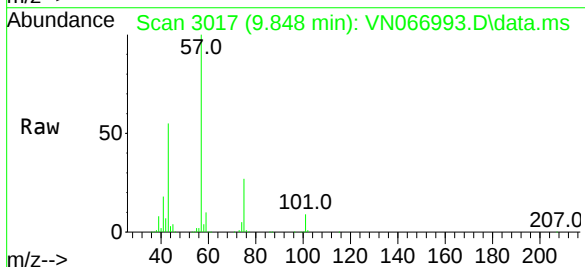
Instrument :
MSVOA_N
ClientSampled :

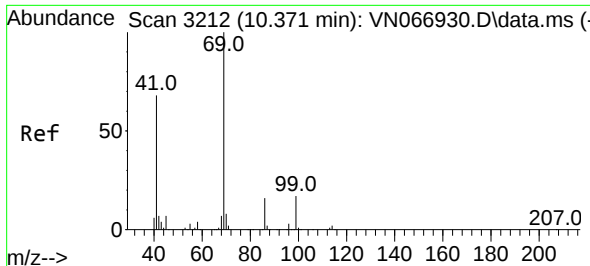
Tgt Ion: 43 Resp: 16837
Ion Ratio Lower Upper
43 100
58 28.4 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 8.34 ug/l
RT: 9.848 min Scan# 3017
Delta R.T. 0.070 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Tgt Ion: 75 Resp: 107491
Ion Ratio Lower Upper
75 100
77 0.9 24.9 37.3#
39 30.2 36.2 54.4#

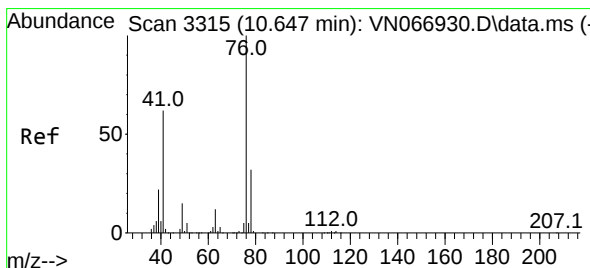
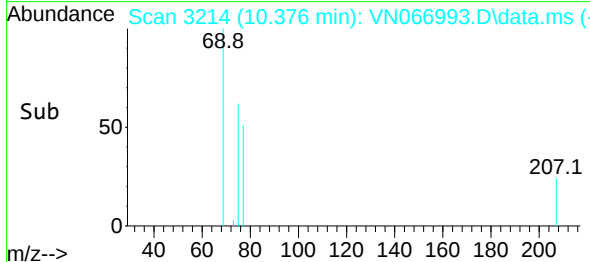
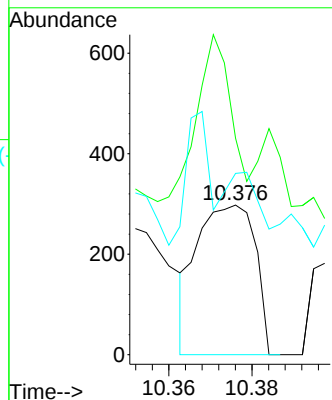
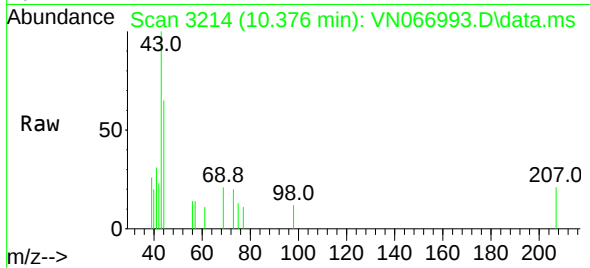




#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.376 min Scan# 3214
Delta R.T. 0.005 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

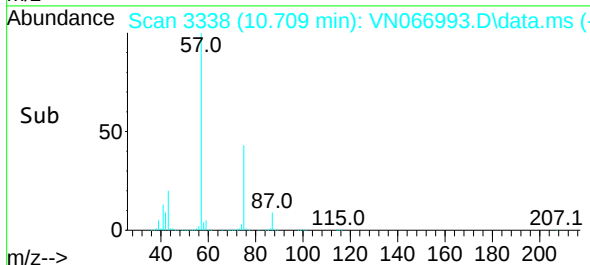
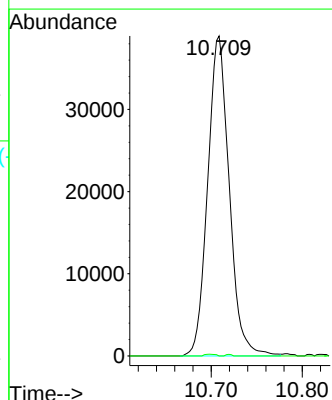
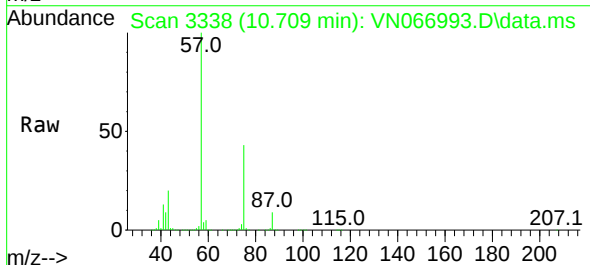
Instrument :
MSVOA_N
ClientSampled :

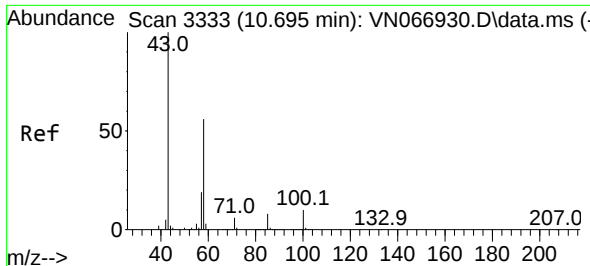
Tgt Ion: 69 Resp: 289
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 5.03 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Tgt Ion: 76 Resp: 63877
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

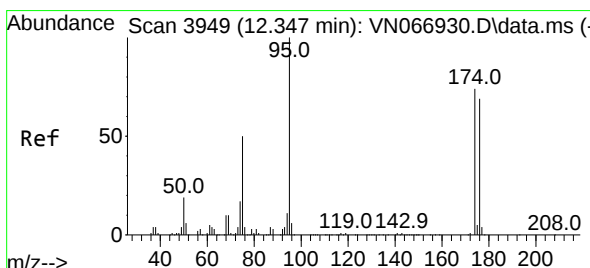
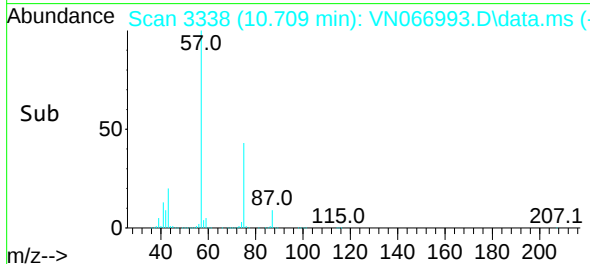
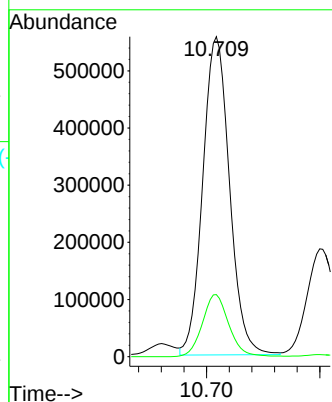
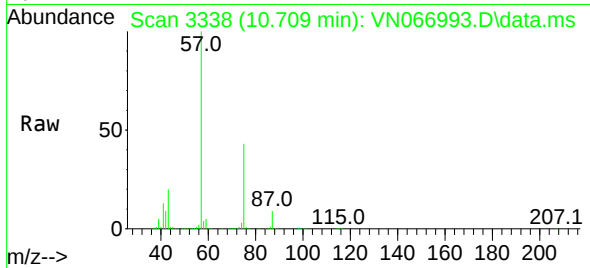




#59
2-Hexanone
Concen: 146.55 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

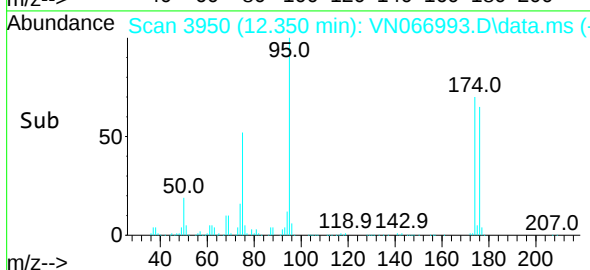
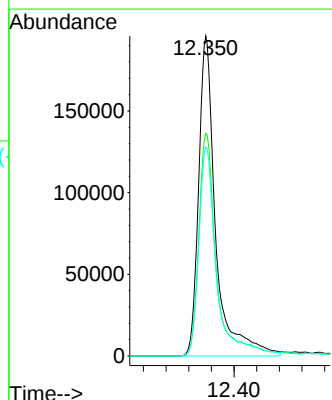
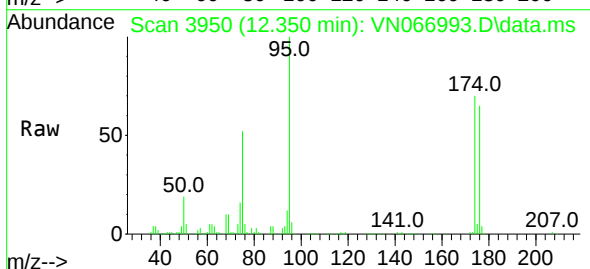
Instrument :
MSVOA_N
ClientSampled :

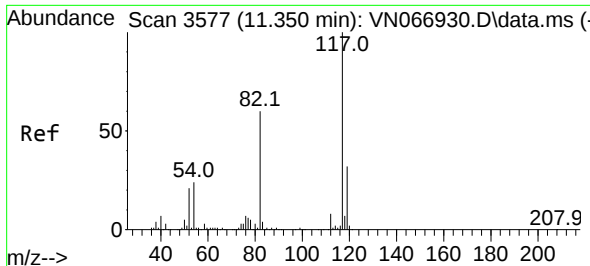
Tgt Ion: 43 Resp: 911854
Ion Ratio Lower Upper
43 100
58 19.4 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 49.75 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

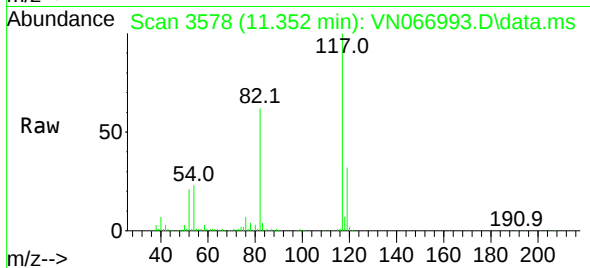
Tgt Ion: 95 Resp: 409374
Ion Ratio Lower Upper
95 100
174 71.5 0.0 169.0
176 67.8 0.0 162.4



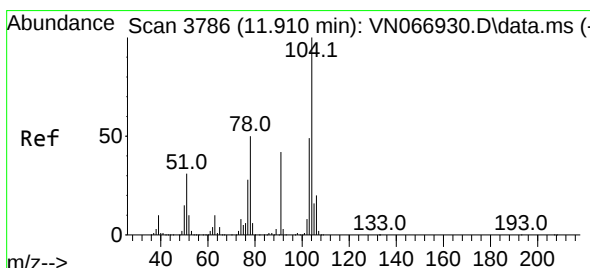
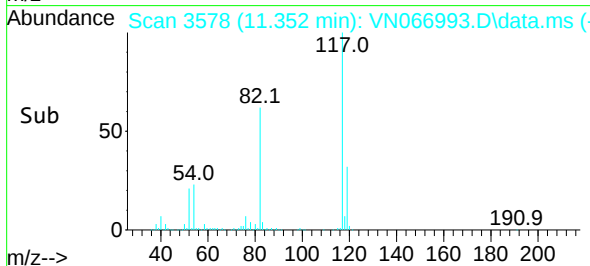
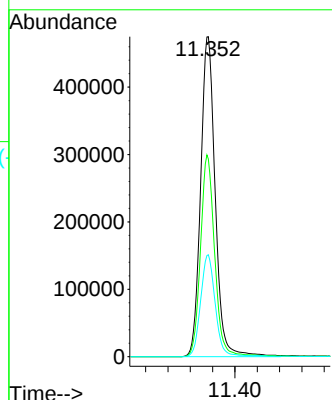


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.002 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Instrument :
MSVOA_N
ClientSampled :

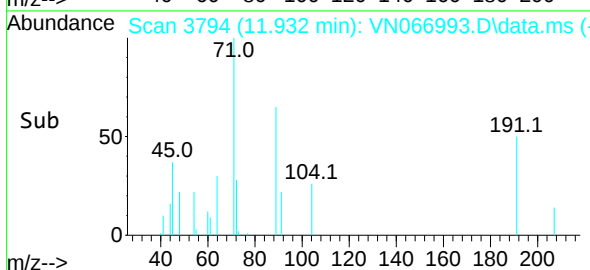
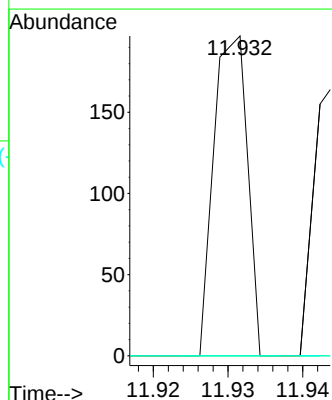
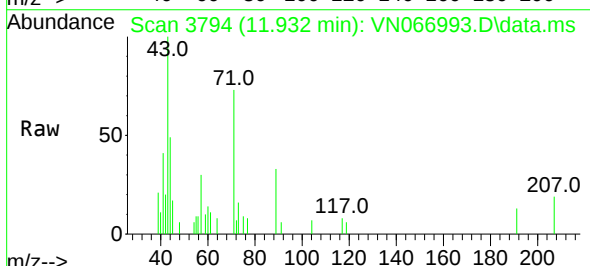


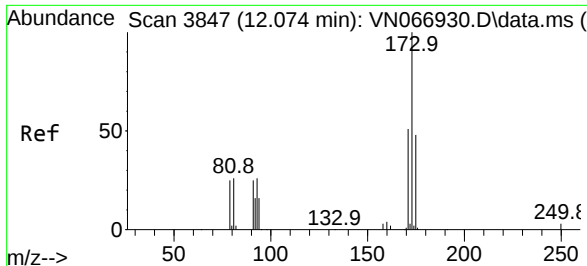
Tgt Ion:117 Resp: 863237
Ion Ratio Lower Upper
117 100
82 61.8 43.7 65.5
119 31.8 26.1 39.1



#70
Styrene
Concen: 4.71 ug/l
RT: 11.932 min Scan# 3794
Delta R.T. 0.022 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

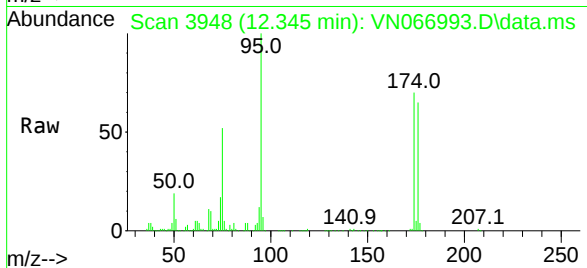
Tgt Ion:104 Resp: 61
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#



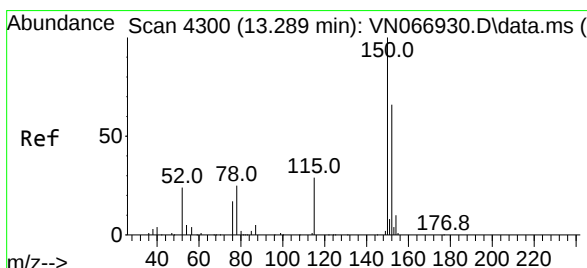
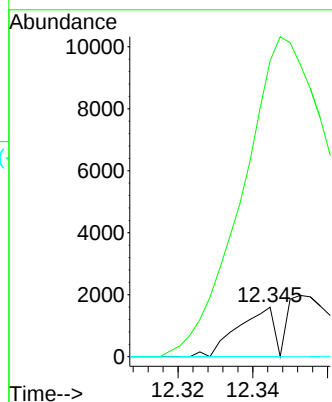
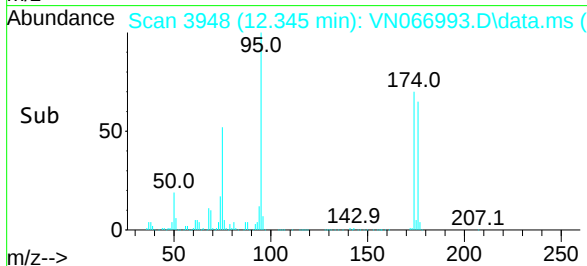


#71
Bromoform
Concen: 0.21 ug/l
RT: 12.345 min Scan# 3948
Delta R.T. 0.271 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

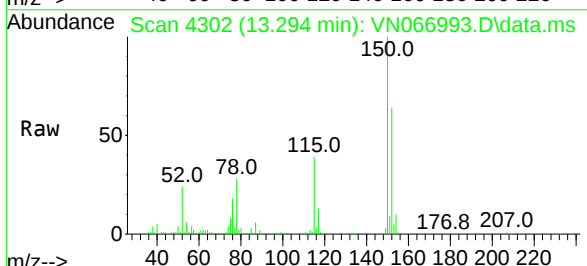
Instrument :
MSVOA_N
ClientSampled :



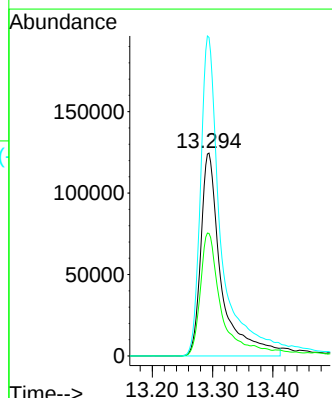
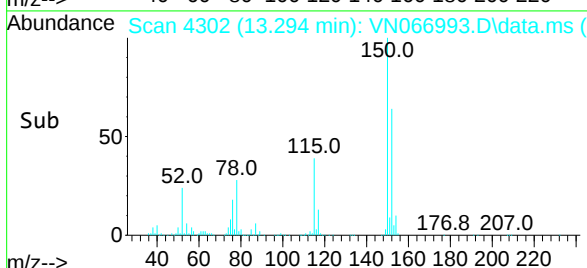
Tgt Ion:173 Resp: 1067
Ion Ratio Lower Upper
173 100
175 1477.6 23.8 71.2#
254 0.0 0.0 0.0

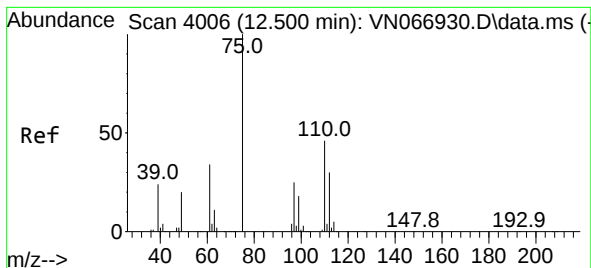


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27



Tgt Ion:152 Resp: 294091
Ion Ratio Lower Upper
152 100
115 58.9 28.5 85.6
150 158.9 0.0 347.6

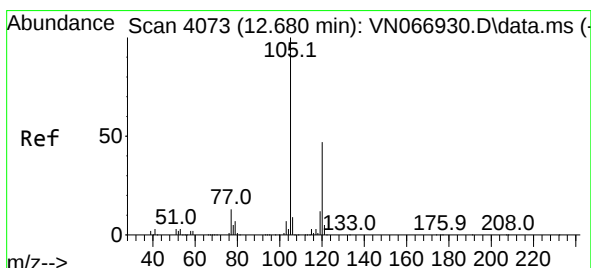
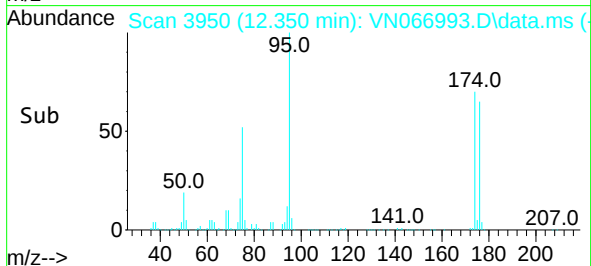
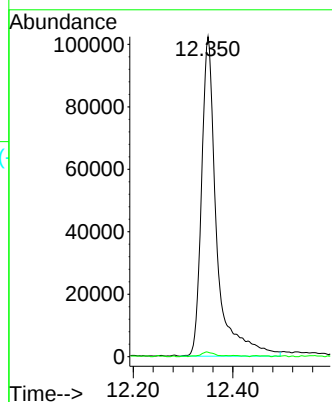
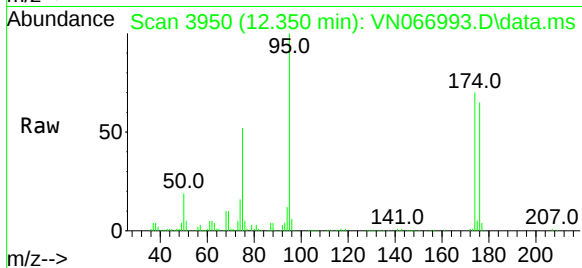




#76
1,2,3-Trichloropropane
Concen: 30.86 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

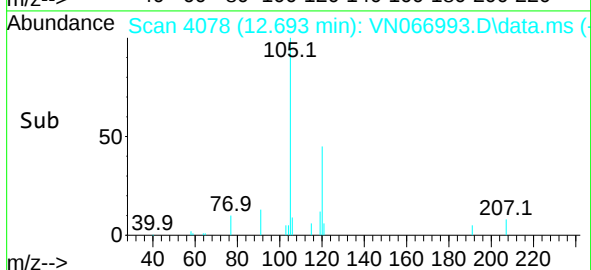
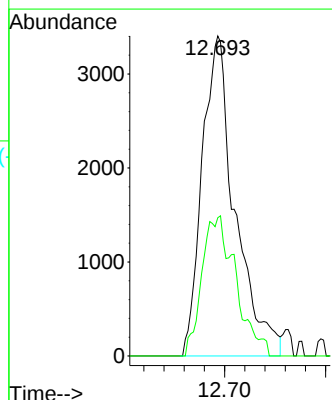
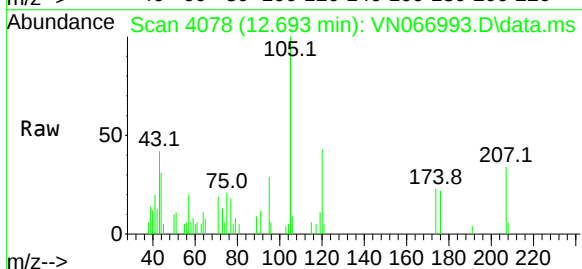
Instrument :
MSVOA_N
ClientSampled :

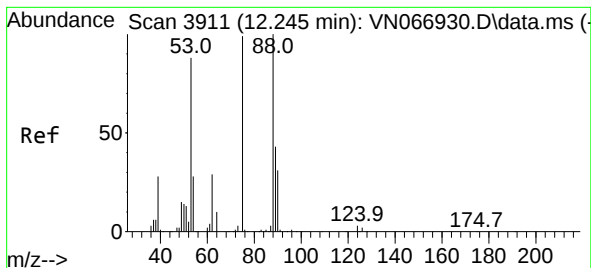
Tgt Ion: 75 Resp: 216180
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.39 ug/l
RT: 12.693 min Scan# 4078
Delta R.T. 0.013 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Tgt Ion:105 Resp: 7708
Ion Ratio Lower Upper
105 100
120 45.0 24.3 72.8

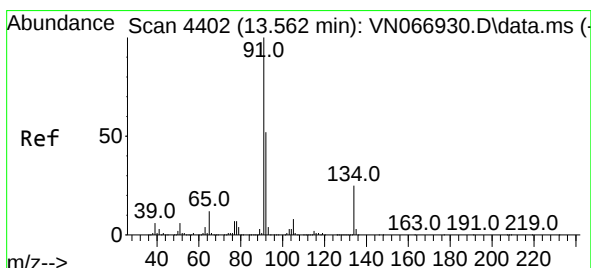
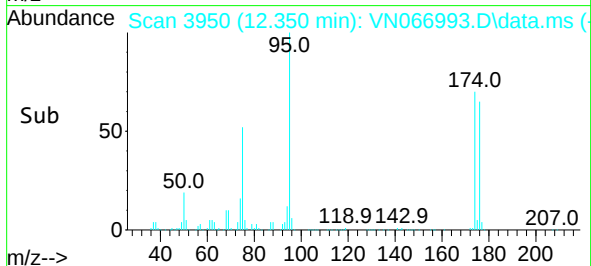
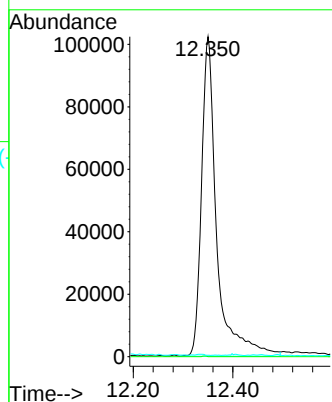
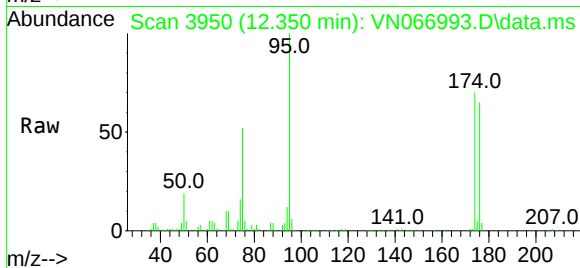




#81
trans-1,4-Dichloro-2-butene
Concen: 91.56 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 216180
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.2 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.573 min Scan# 4406
Delta R.T. 0.011 min
Lab File: VN066993.D
Acq: 5 May 2021 17:27

Tgt Ion: 91 Resp: 54
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#

