

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
 Data File : VN066992.D
 Acq On : 5 May 2021 17:05
 Operator : JC/MD
 Sample : PB136154ZHE#19
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 06 04:51:09 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)

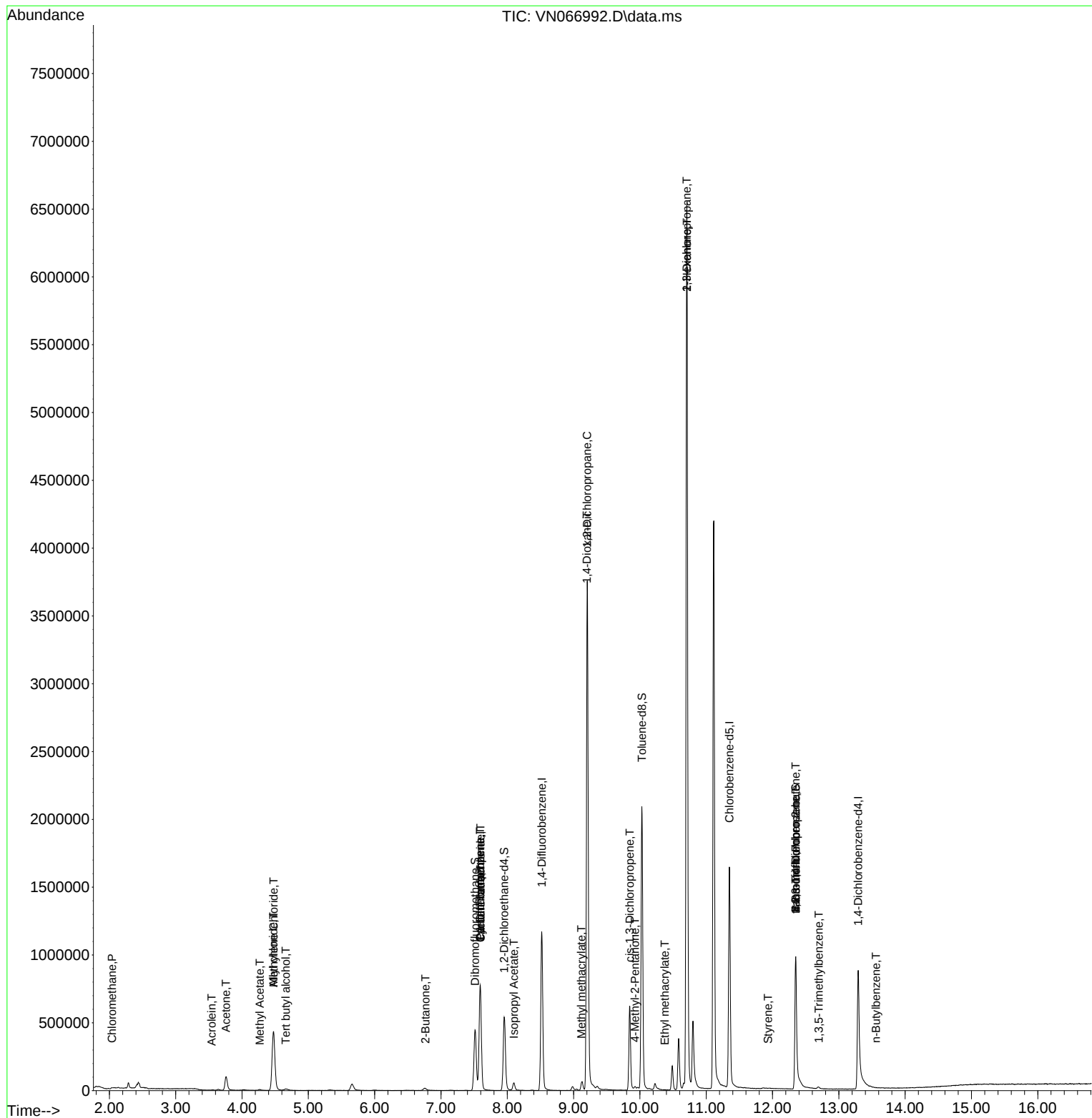
Internal Standards						
1) Pentafluorobenzene	7.592	168	598580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	1025330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	950000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	344466	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	488494	51.85	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.70%			
35) Dibromofluoromethane	7.514	113	354302	50.89	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.78%			
50) Toluene-d8	10.030	98	1419414	53.53	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.06%			
62) 4-Bromofluorobenzene	12.350	95	450630	50.19	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.38%			
Target Compounds						Qvalue
3) Chloromethane	2.038	50	2860	0.25	ug/l	97
11) Tert butyl alcohol	4.661	59	11962	8.99	ug/l #	73
13) Acrolein	3.542	56	604	0.55	ug/l #	56
14) Allyl chloride	4.473	41	12168	0.93	ug/l #	25
16) Acetone	3.757	43	167334	50.49	ug/l	95
18) Methyl Acetate	4.267	43	11172	1.18	ug/l #	88
20) Methylene Chloride	4.476	84	320059	38.07	ug/l	92
25) 2-Butanone	6.766	43	13078	2.68	ug/l	91
31) Cyclohexane	7.595	56	14351	1.08	ug/l #	1
36) 1,1-Dichloropropene	7.589	75	54510	5.10	ug/l #	48
38) Carbon Tetrachloride	7.595	117	61766	5.55	ug/l #	16
43) Isopropyl Acetate	8.099	43	70941	4.01	ug/l #	89
45) 1,2-Dichloropropane	9.204	63	5430	0.58	ug/l #	44
48) Methyl methacrylate	9.118	41	14882	1.90	ug/l #	10
49) 1,4-Dioxane	9.201	88	230	1.85	ug/l #	1
51) 4-Methyl-2-Pentanone	9.925	43	9721	0.95	ug/l #	73
54) cis-1,3-Dichloropropene	9.848	75	115621	8.22	ug/l #	62
56) Ethyl methacrylate	10.376	69	206	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	67287	4.86	ug/l #	43
59) 2-Hexanone	10.709	43	996520	146.75	ug/l #	50
70) Styrene	11.934	104	132	4.72	ug/l #	59
71) Bromoform	12.350	173	1900	0.33	ug/l #	1
76) 1,2,3-Trichloropropane	12.347	75	232826	28.37	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.699	105	8260	0.35	ug/l	74
81) trans-1,4-Dichloro-2-b...	12.347	75	232826	84.63	ug/l #	12
89) n-Butylbenzene	13.560	91	52	5.24	ug/l #	34

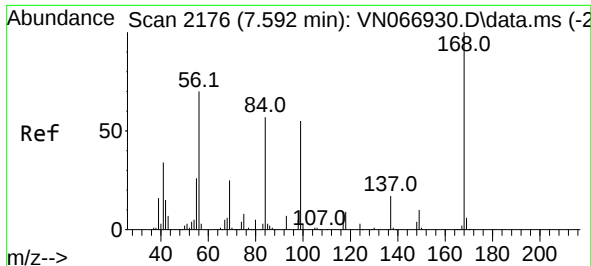
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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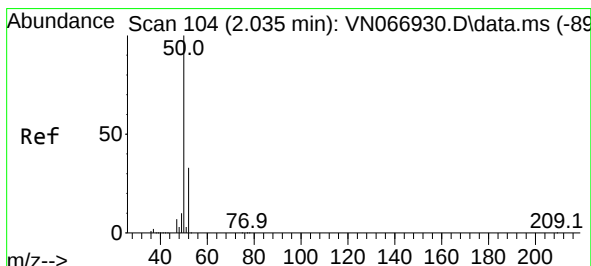
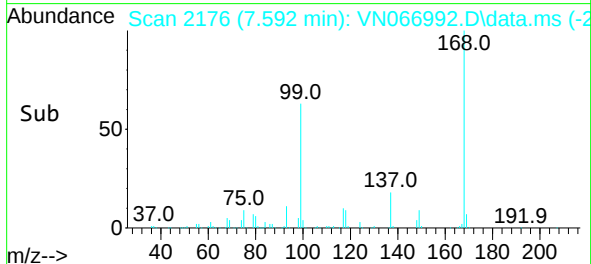
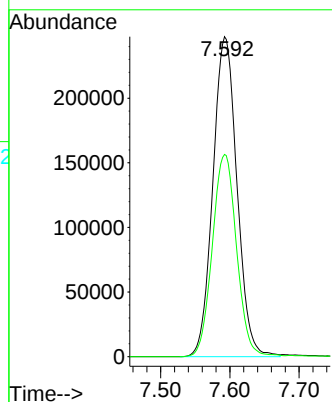
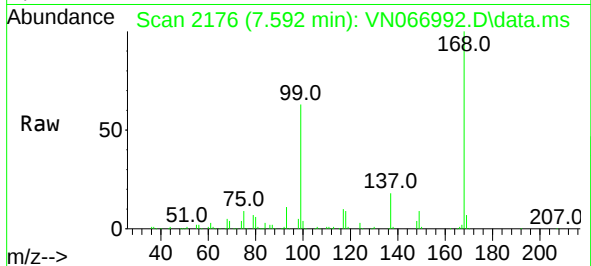




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

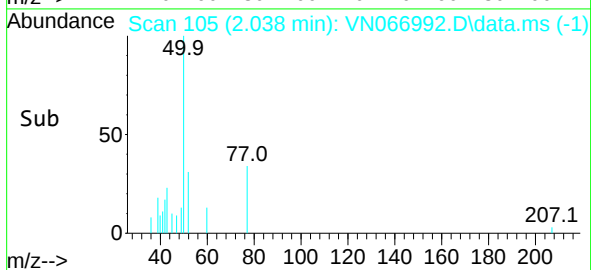
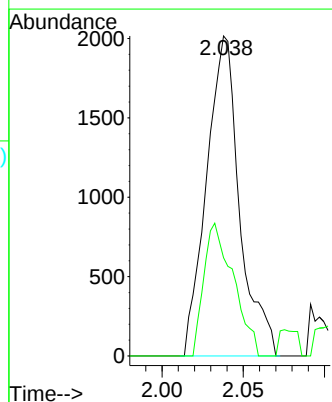
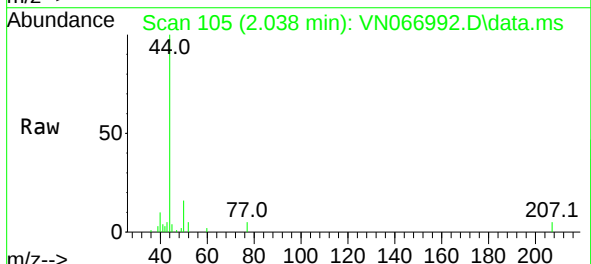
Instrument :
MSVOA_N
ClientSampleId :

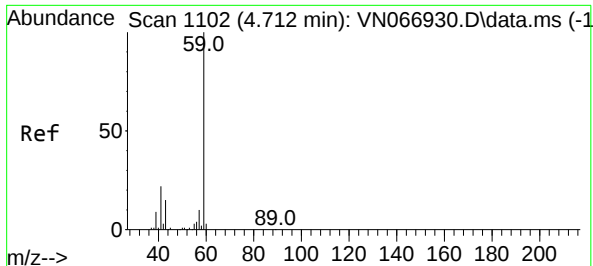
Tgt Ion:168 Resp: 598580
Ion Ratio Lower Upper
168 100
99 63.2 42.6 63.8



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.038 min Scan# 105
Delta R.T. 0.003 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

Tgt Ion: 50 Resp: 2860
Ion Ratio Lower Upper
50 100
52 30.7 25.8 38.8



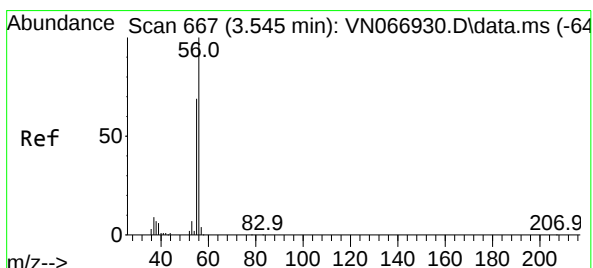
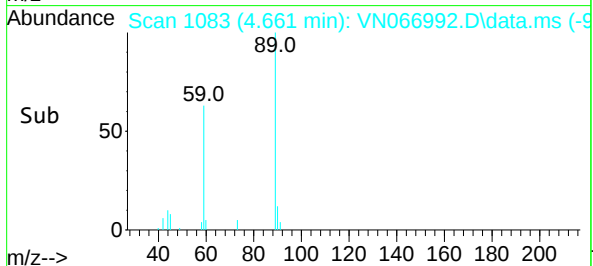
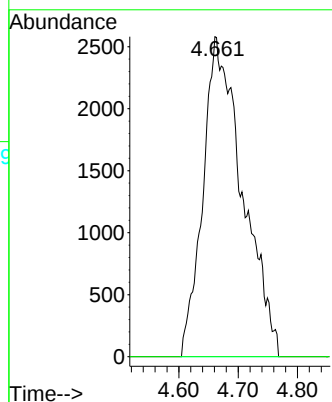
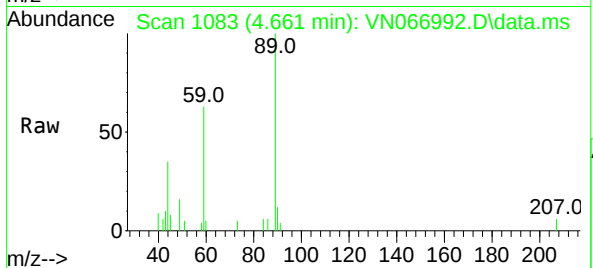


#11

Tert butyl alcohol
Concen: 8.99 ug/l
RT: 4.661 min Scan# 1083
Delta R.T. -0.051 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

Instrument :
MSVOA_N
ClientSampled :

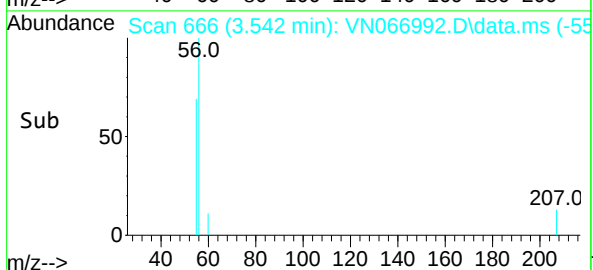
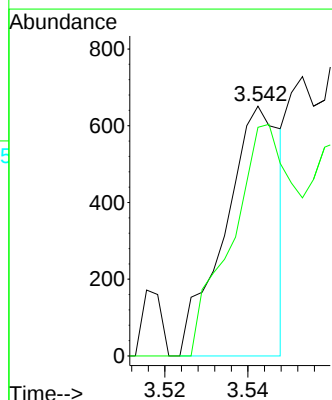
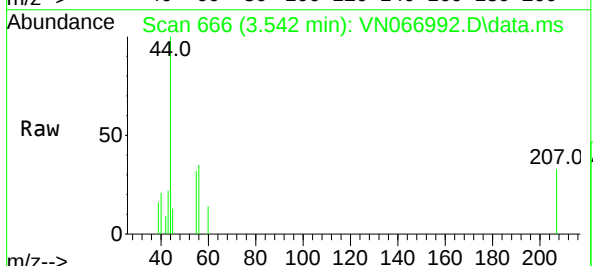
Tgt Ion: 59 Resp: 11962
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

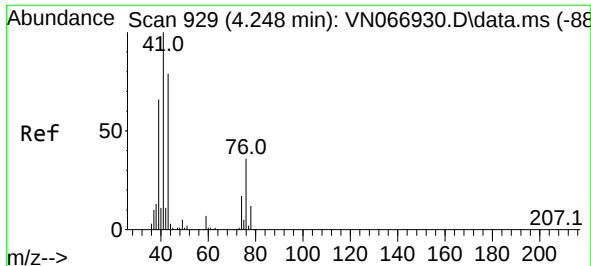


#13

Acrolein
Concen: 0.55 ug/l
RT: 3.542 min Scan# 666
Delta R.T. -0.003 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

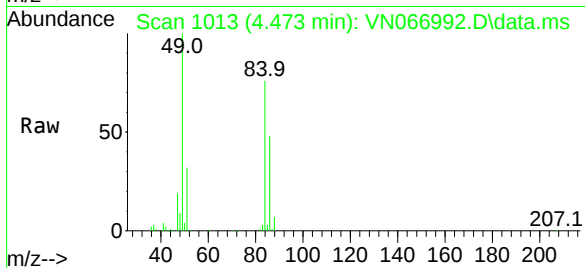
Tgt Ion: 56 Resp: 604
Ion Ratio Lower Upper
56 100
55 105.8 56.0 84.0#



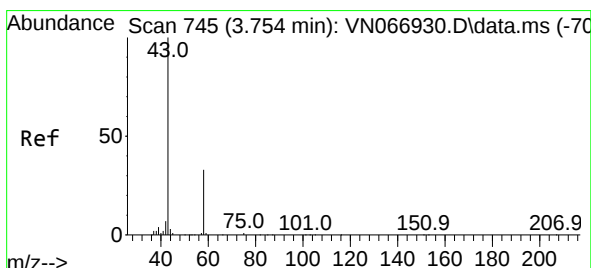
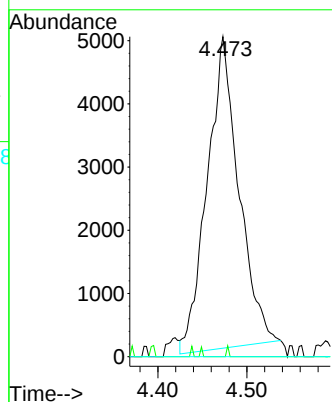
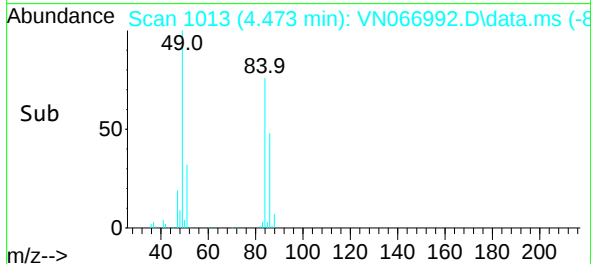


#14
Allyl chloride
Concen: 0.93 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.225 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

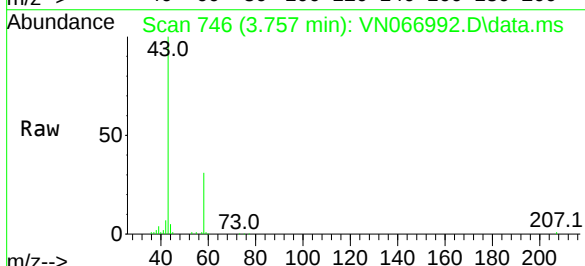
Instrument :
MSVOA_N
ClientSampled :



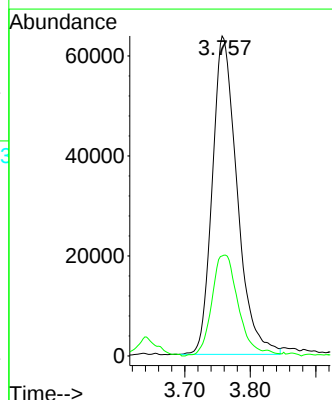
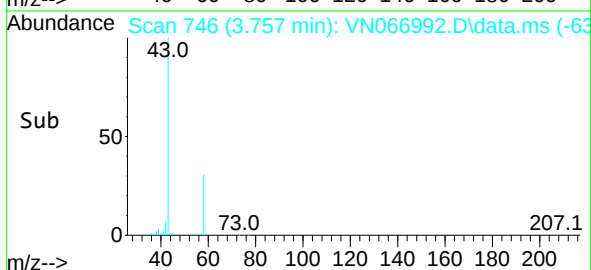
Tgt Ion: 41 Resp: 12168
Ion Ratio Lower Upper
41 100
39 0.2 53.0 79.4#
76 0.0 28.9 43.3#

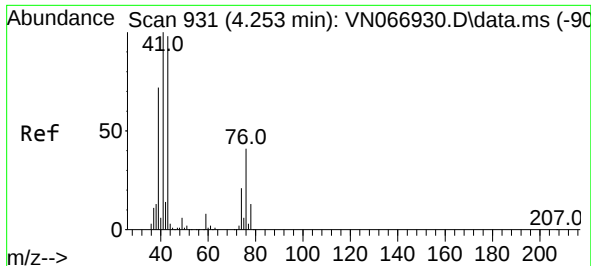


#16
Acetone
Concen: 50.49 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05



Tgt Ion: 43 Resp: 167334
Ion Ratio Lower Upper
43 100
58 30.9 27.0 40.6

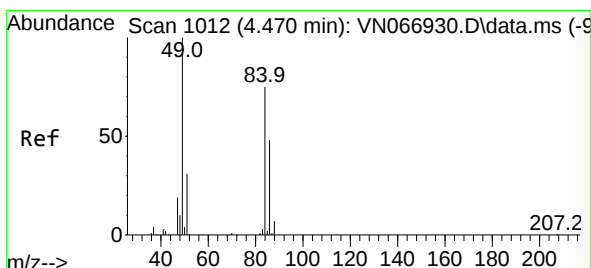
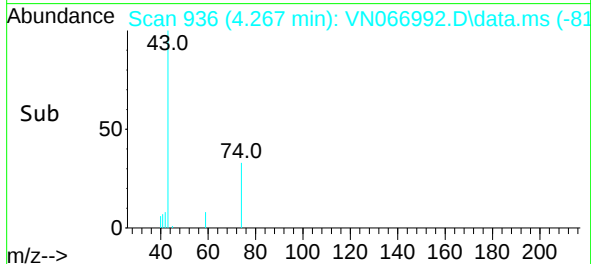
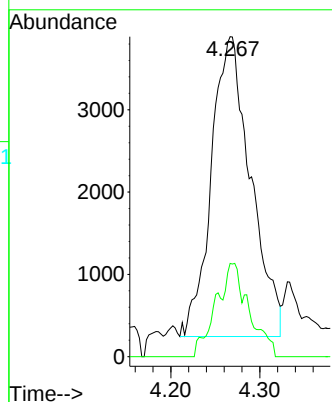
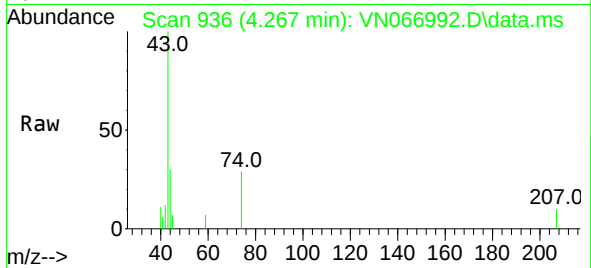




#18
Methyl Acetate
Concen: 1.18 ug/l
RT: 4.267 min Scan# 936
Delta R.T. 0.014 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

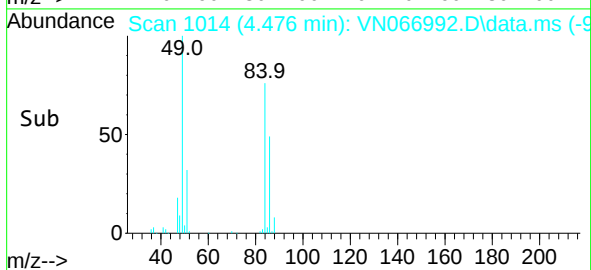
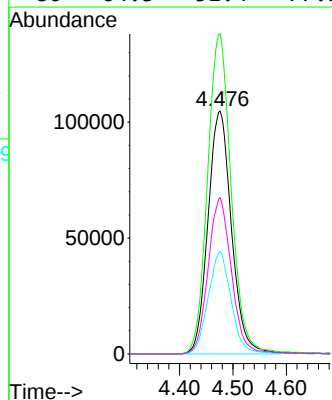
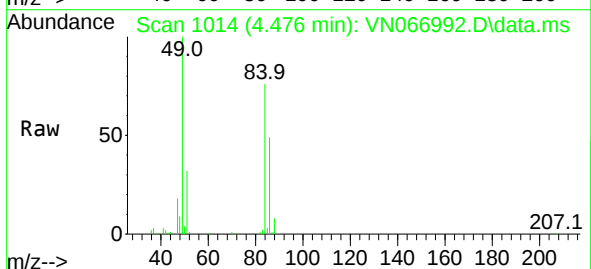
Instrument :
MSVOA_N
ClientSampled :

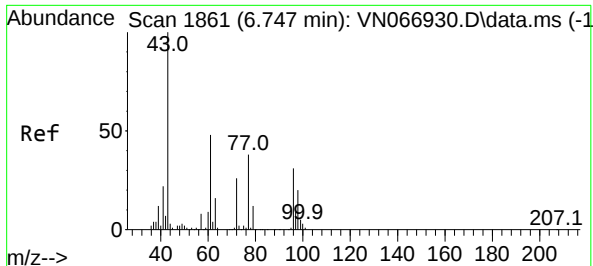
Tgt Ion: 43 Resp: 11172
Ion Ratio Lower Upper
43 100
74 18.4 19.5 29.3#



#20
Methylene Chloride
Concen: 38.07 ug/l
RT: 4.476 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

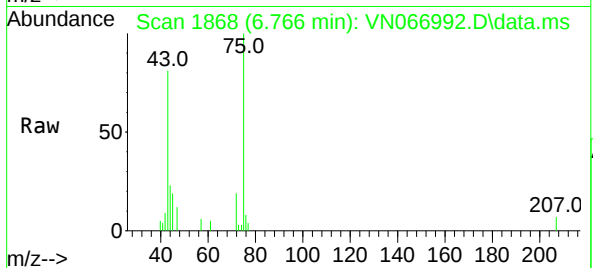
Tgt Ion: 84 Resp: 320059
Ion Ratio Lower Upper
84 100
49 131.7 94.6 141.8
51 42.1 29.9 44.9
86 64.3 51.4 77.2



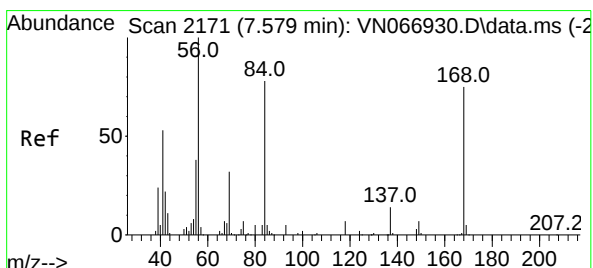
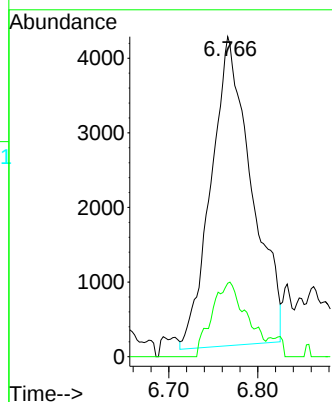
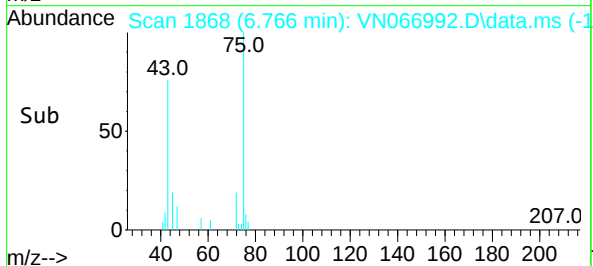


#25
2-Butanone
Concen: 2.68 ug/l
RT: 6.766 min Scan# 1868
Delta R.T. 0.019 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

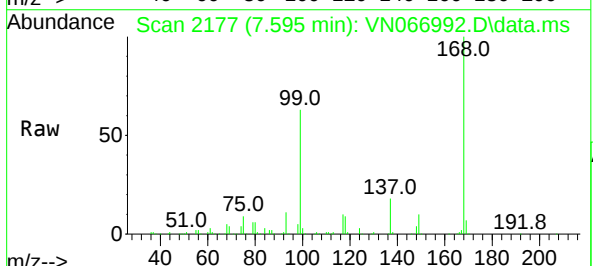
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MSVOA_N
ClientSampled :



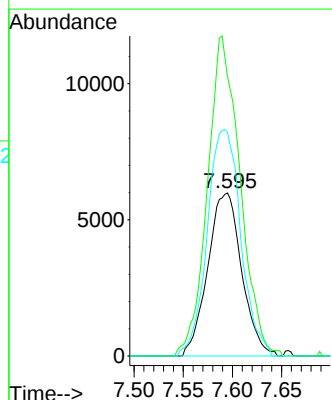
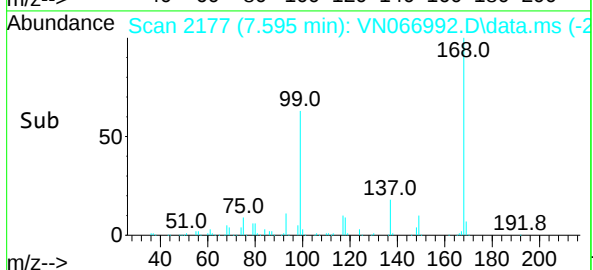
Tgt Ion: 43 Resp: 13078
Ion Ratio Lower Upper
43 100
72 24.1 23.1 34.7

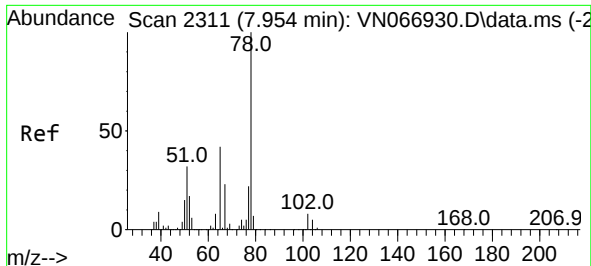


#31
Cyclohexane
Concen: 1.08 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. 0.016 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05



Tgt Ion: 56 Resp: 14351
Ion Ratio Lower Upper
56 100
69 168.8 26.6 39.8#
84 137.3 70.4 105.6#

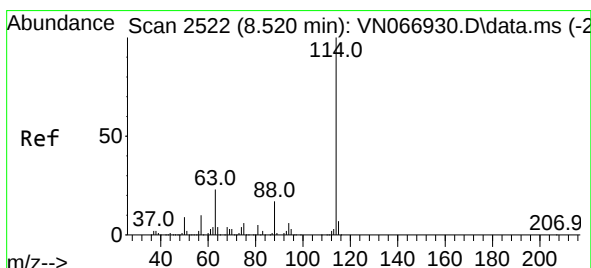
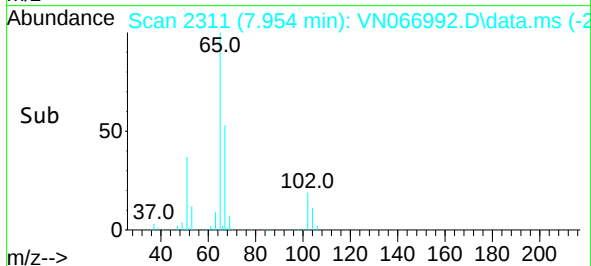
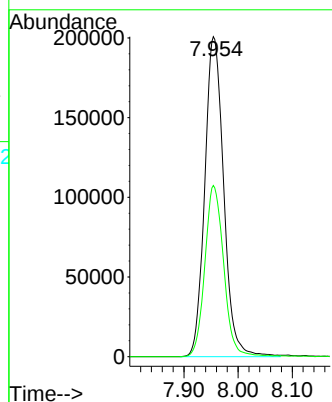
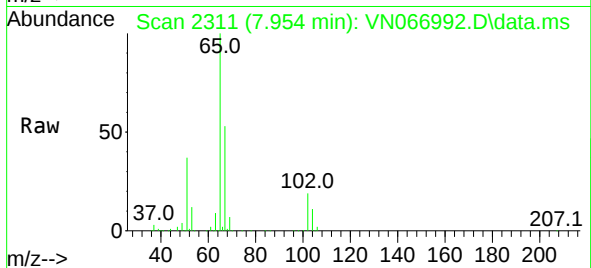




#33
1,2-Dichloroethane-d4
Concen: 51.85 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

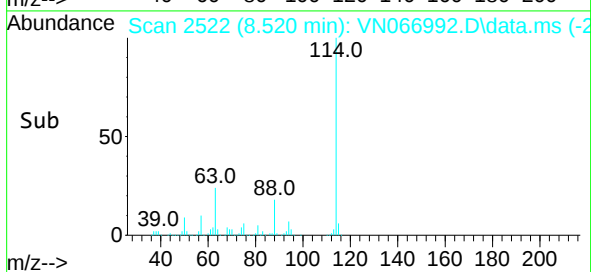
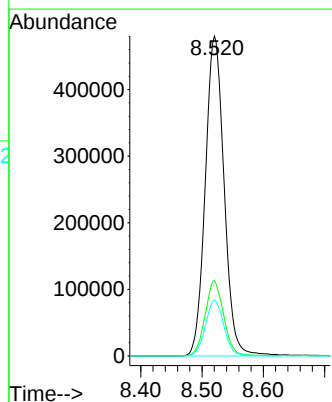
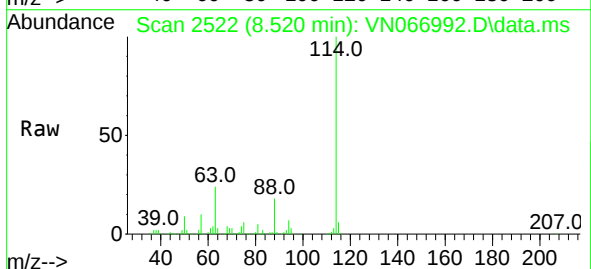
Instrument :
MSVOA_N
ClientSampled :

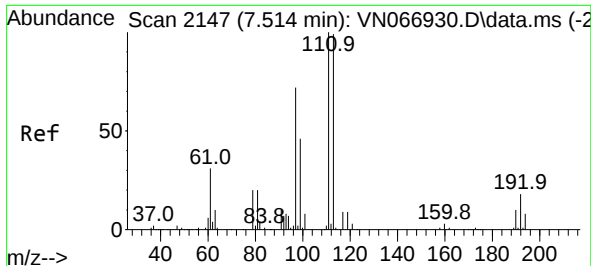
Tgt Ion: 65 Resp: 488494
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

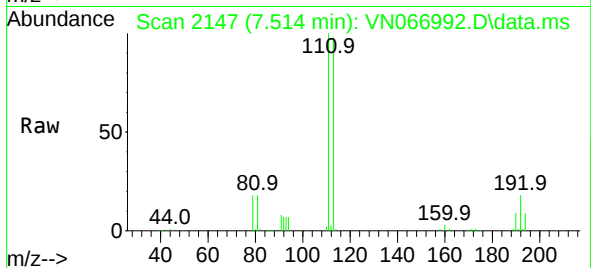
Tgt Ion: 114 Resp: 1025330
Ion Ratio Lower Upper
114 100
63 23.6 0.0 38.6
88 17.5 0.0 30.6



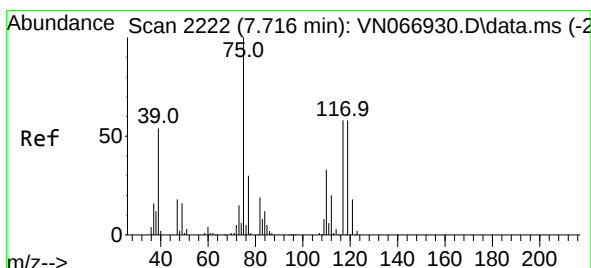
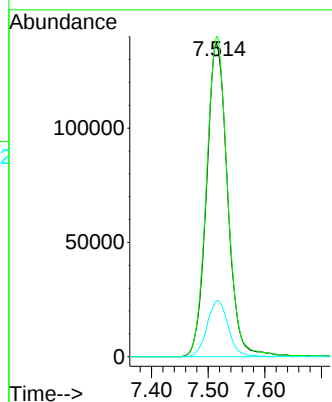
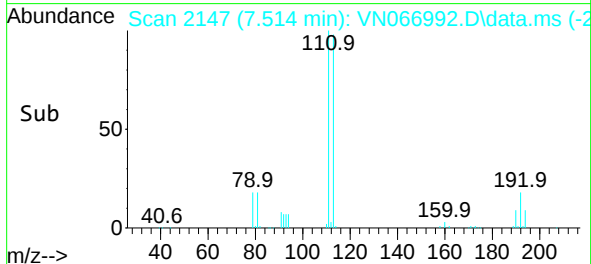


#35
Dibromofluoromethane
Concen: 50.89 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

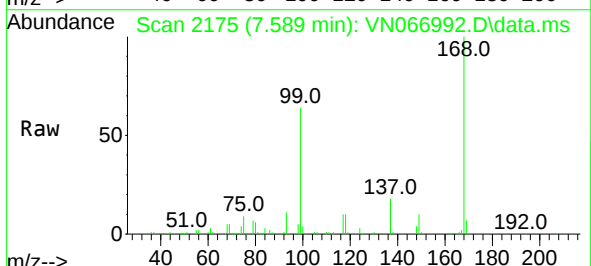
Instrument :
MSVOA_N
ClientSampled :



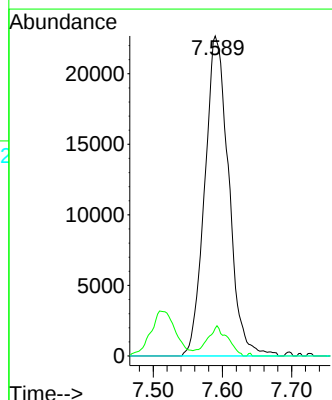
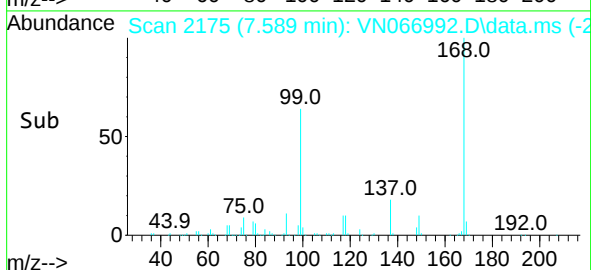
Tgt Ion:113 Resp: 354302
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 18.0 15.4 23.0

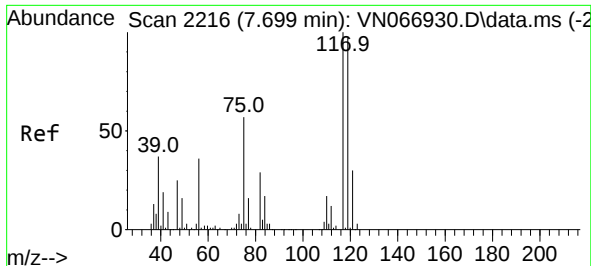


#36
1,1-Dichloropropene
Concen: 5.10 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05



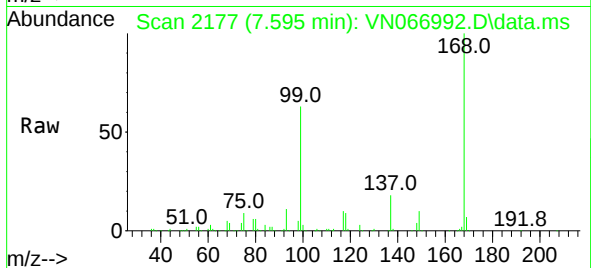
Tgt Ion: 75 Resp: 54510
Ion Ratio Lower Upper
75 100
110 7.8 18.2 54.6#
77 0.0 24.9 37.3#



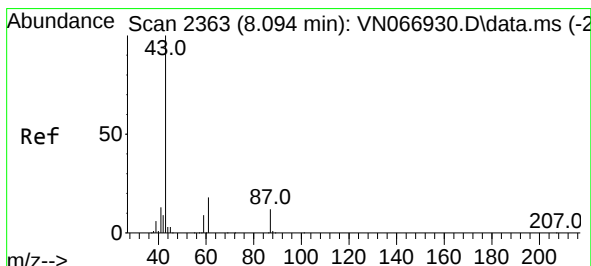
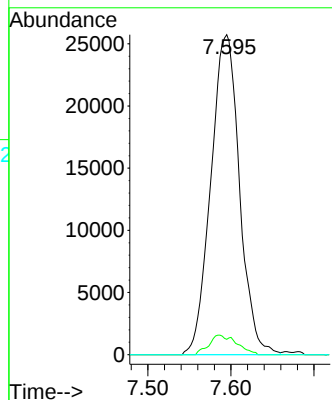
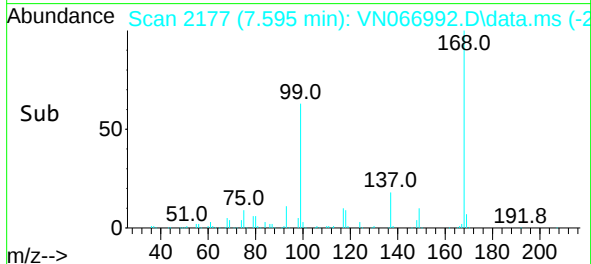


#38
Carbon Tetrachloride
Concen: 5.55 ug/l
RT: 7.595 min Scan# 2177
Delta R.T. -0.104 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

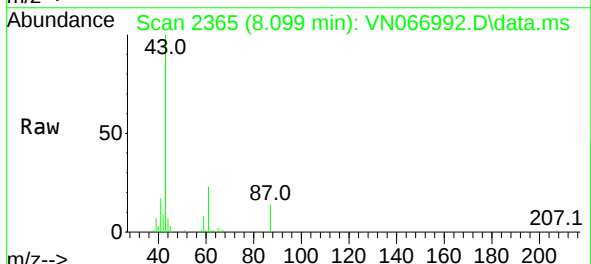
Instrument :
MSVOA_N
ClientSampled :



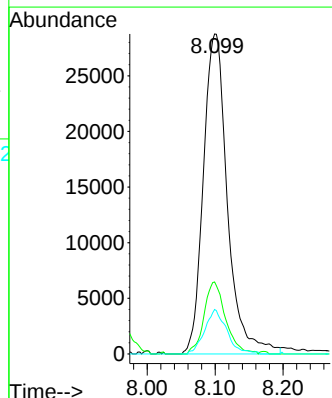
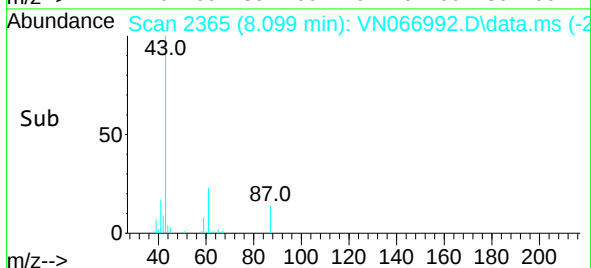
Tgt Ion:117 Resp: 61766
Ion Ratio Lower Upper
117 100
119 4.8 76.0 114.0#
121 0.0 24.5 36.7#

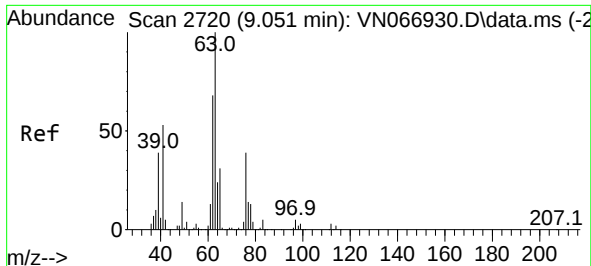


#43
Isopropyl Acetate
Concen: 4.01 ug/l
RT: 8.099 min Scan# 2365
Delta R.T. 0.005 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05



Tgt Ion: 43 Resp: 70941
Ion Ratio Lower Upper
43 100
61 20.1 22.5 33.7#
87 12.8 11.1 16.7



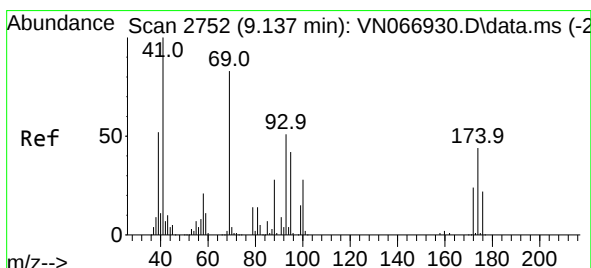
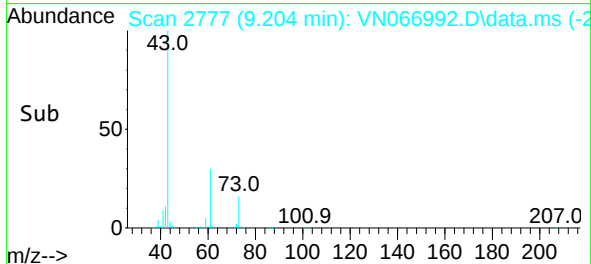
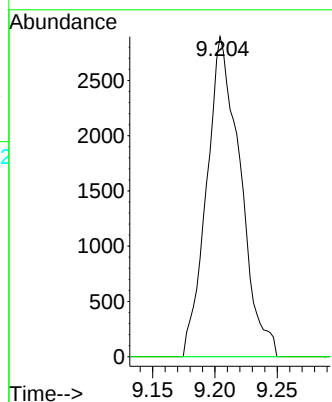
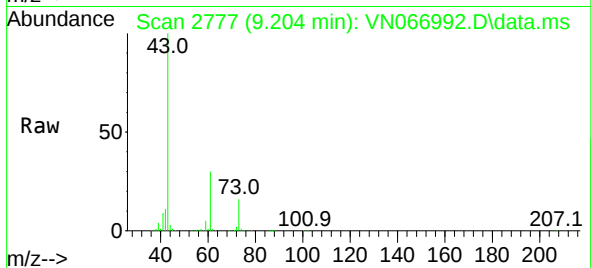


#45

1,2-Dichloropropane
Concen: 0.58 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.153 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

Instrument :
MSVOA_N
ClientSampled :

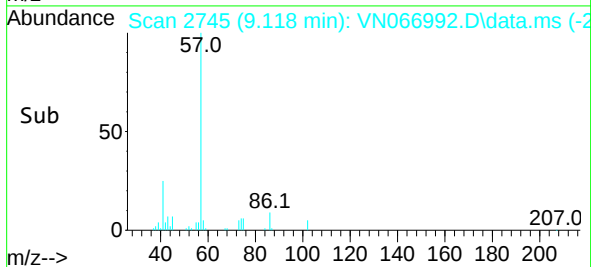
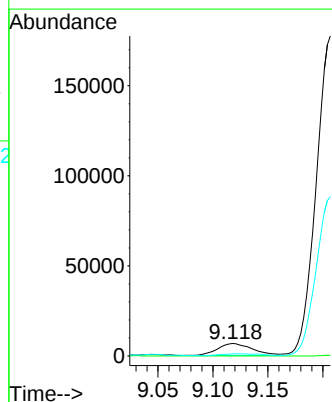
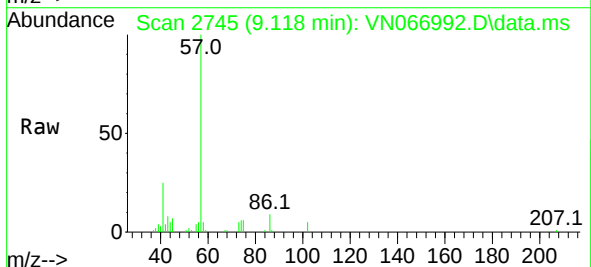
Tgt Ion: 63 Resp: 5430
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

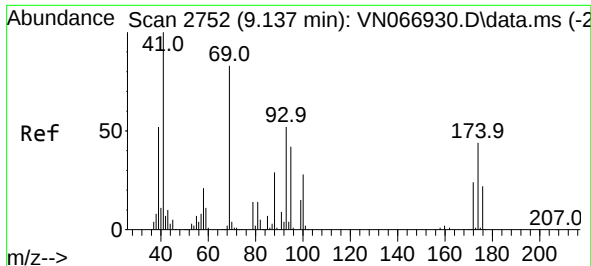


#48

Methyl methacrylate
Concen: 1.90 ug/l
RT: 9.118 min Scan# 2745
Delta R.T. -0.019 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

Tgt Ion: 41 Resp: 14882
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: 1.85 ug/l

RT: 9.201 min Scan# 2776

Delta R.T. 0.064 min

Lab File: VN066992.D

Acq: 5 May 2021 17:05

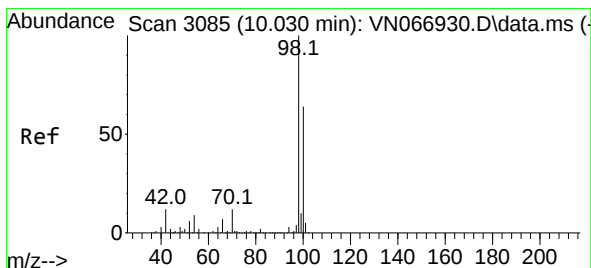
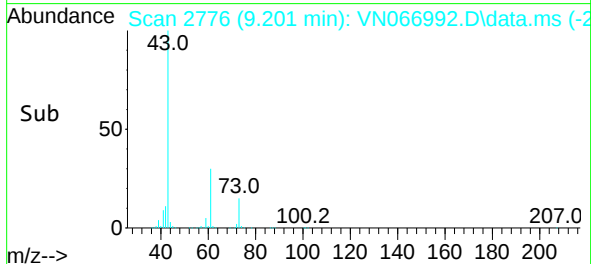
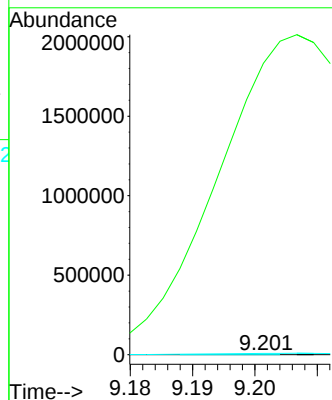
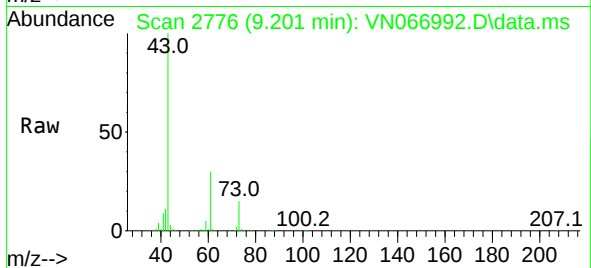
Tgt Ion: 88 Resp: 230

Ion Ratio Lower Upper

88 100

43 1677502.2 24.7 37.1#

58 6884.3 52.6 78.8#



#50

Toluene-d8

Concen: 53.53 ug/l

RT: 10.030 min Scan# 3085

Delta R.T. 0.000 min

Lab File: VN066992.D

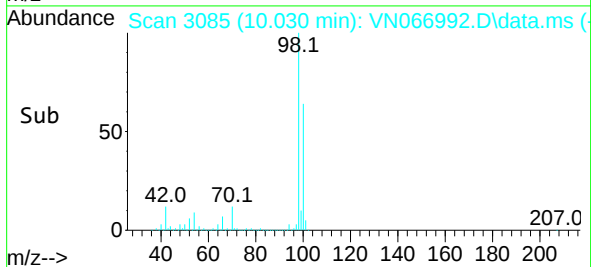
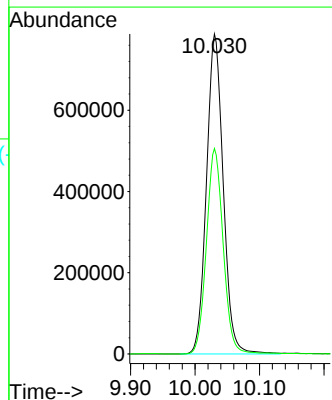
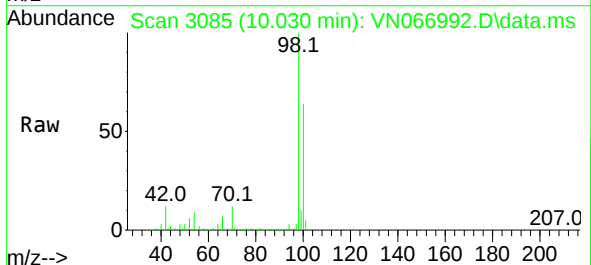
Acq: 5 May 2021 17:05

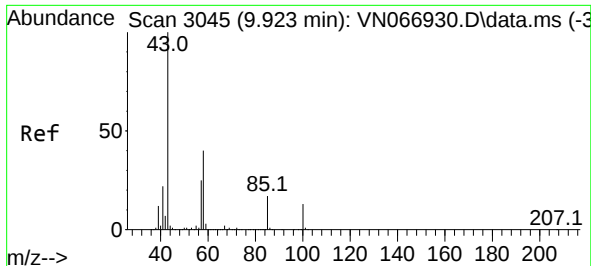
Tgt Ion: 98 Resp: 1419414

Ion Ratio Lower Upper

98 100

100 64.4 50.5 75.7

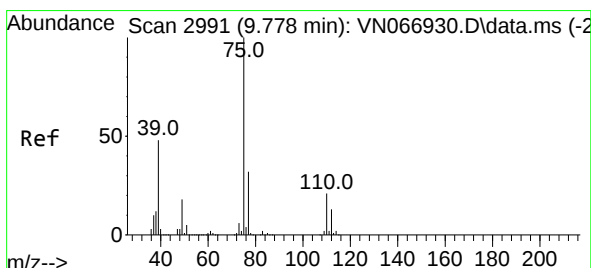
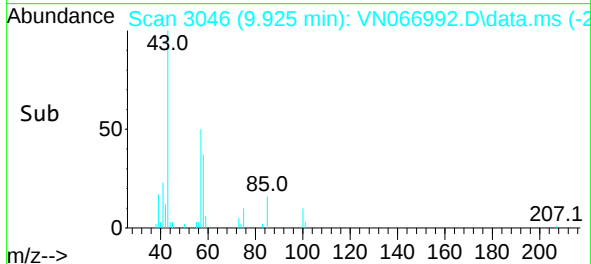
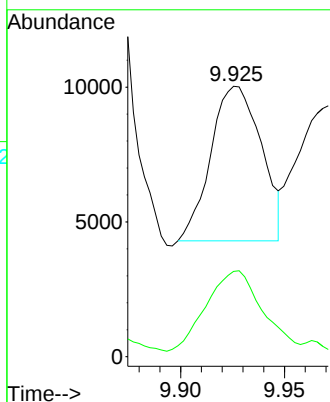
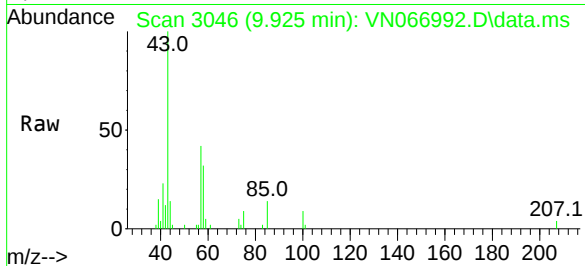




#51
4-Methyl-2-Pentanone
Concen: 0.95 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

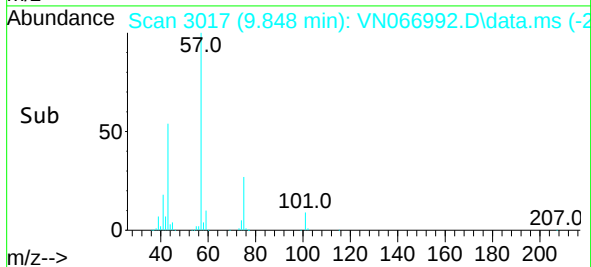
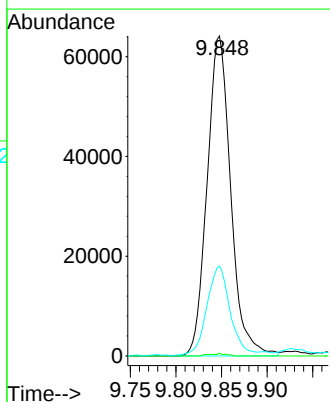
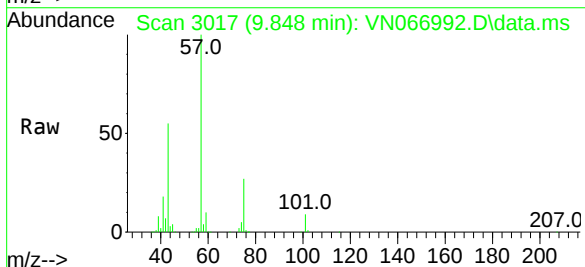
Instrument :
MSVOA_N
ClientSampled :

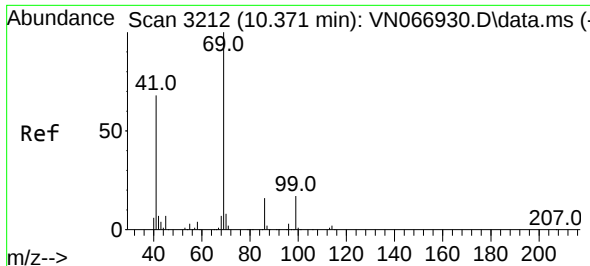
Tgt Ion: 43 Resp: 9721
Ion Ratio Lower Upper
43 100
58 57.4 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 8.22 ug/l
RT: 9.848 min Scan# 3017
Delta R.T. 0.070 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

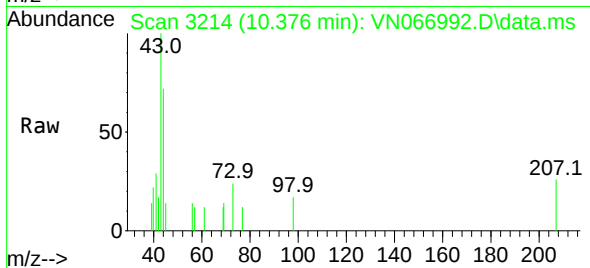
Tgt Ion: 75 Resp: 115621
Ion Ratio Lower Upper
75 100
77 0.9 24.9 37.3#
39 27.7 36.2 54.4#



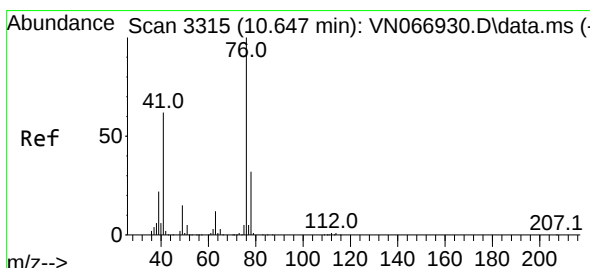
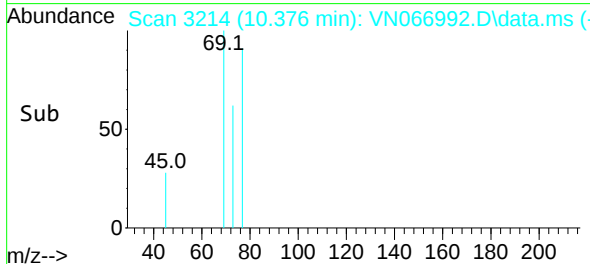


#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.376 min Scan# 3214
Delta R.T. 0.005 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

Instrument :
MSVOA_N
ClientSampled :

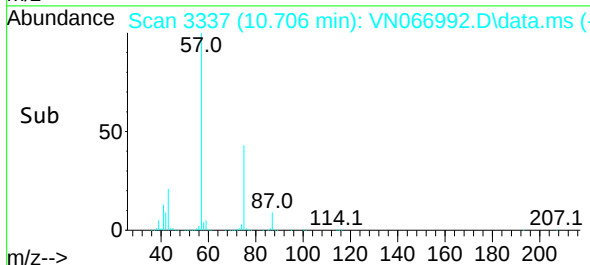
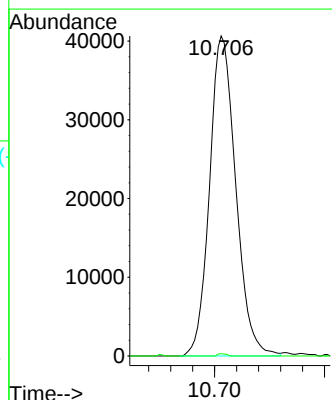
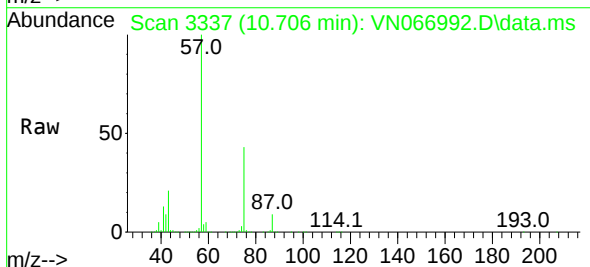


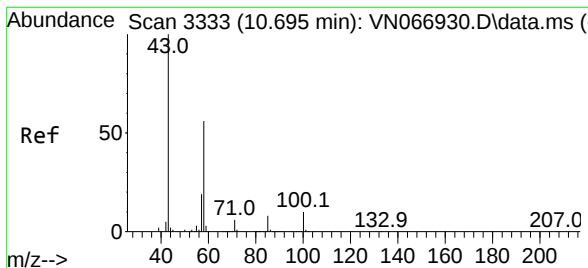
Tgt Ion: 69 Resp: 206
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.86 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

Tgt Ion: 76 Resp: 67287
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

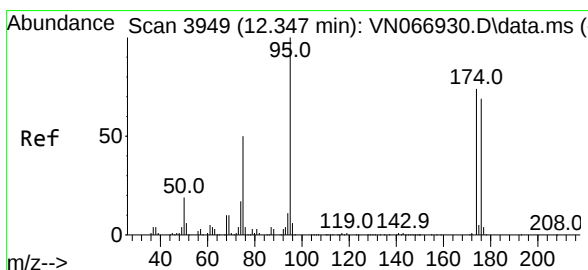
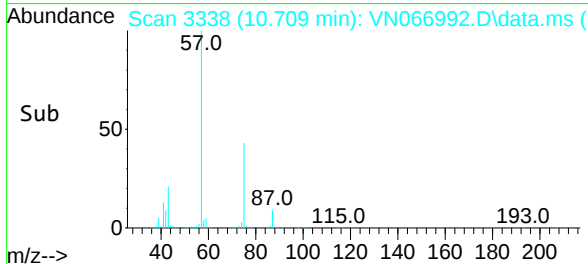
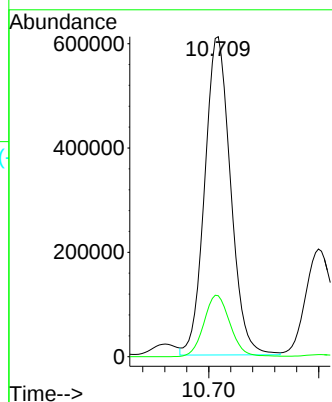
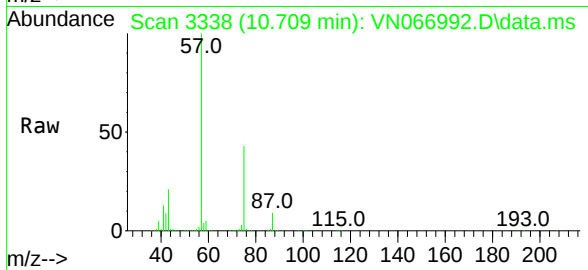




#59
2-Hexanone
Concen: 146.75 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

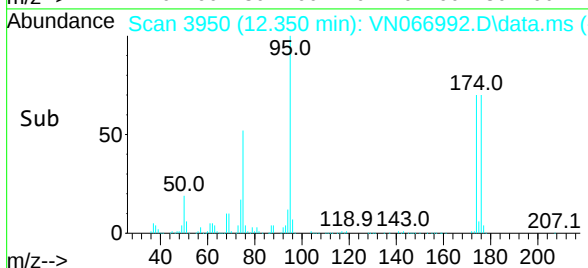
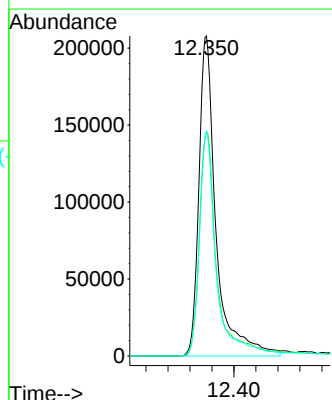
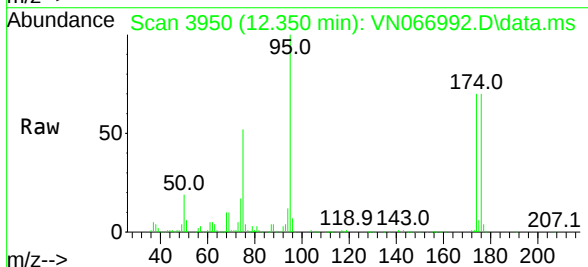
Instrument :
MSVOA_N
ClientSampled :

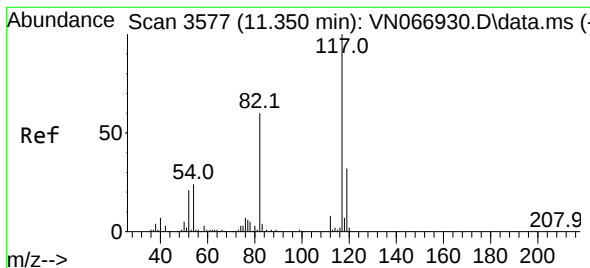
Tgt Ion: 43 Resp: 996520
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 50.19 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

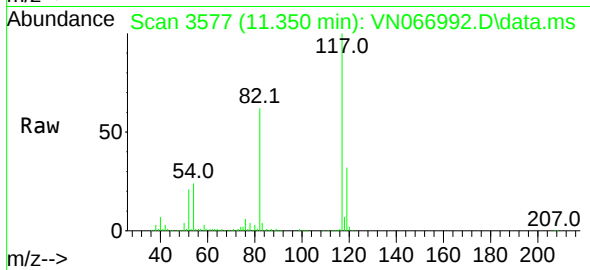
Tgt Ion: 95 Resp: 450630
Ion Ratio Lower Upper
95 100
174 70.6 0.0 169.0
176 68.9 0.0 162.4



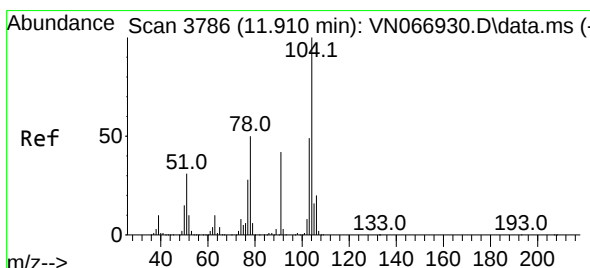
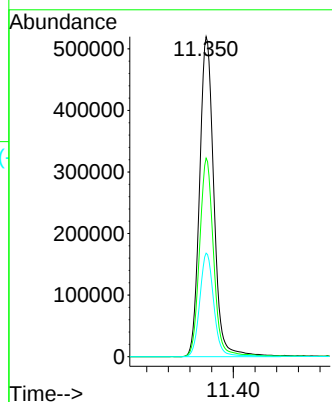
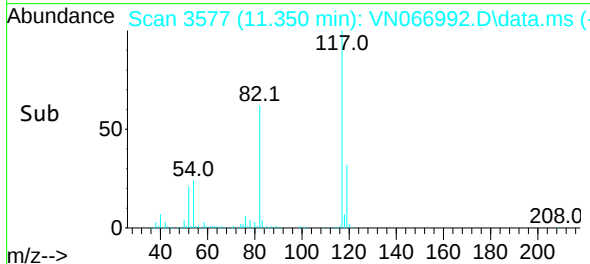


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

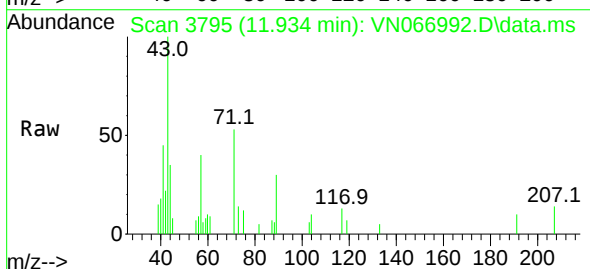
Instrument :
MSVOA_N
ClientSampled :



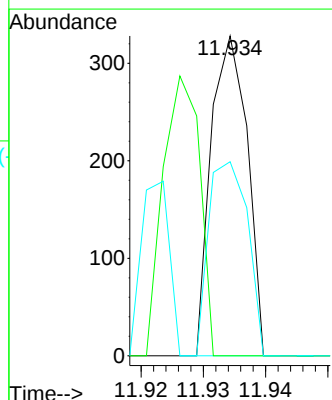
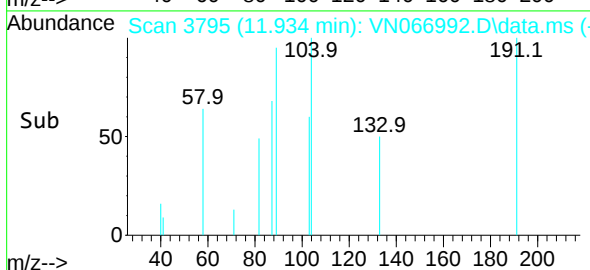
Tgt Ion:117 Resp: 950000
Ion Ratio Lower Upper
117 100
82 62.1 43.7 65.5
119 32.3 26.1 39.1

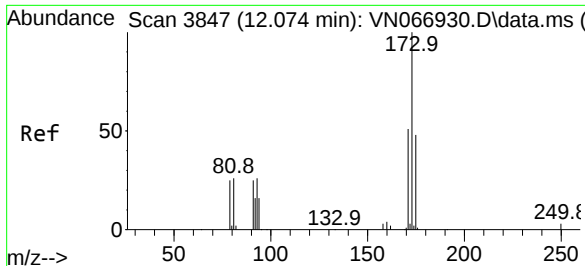


#70
Styrene
Concen: 4.72 ug/l
RT: 11.934 min Scan# 3795
Delta R.T. 0.024 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05



Tgt Ion:104 Resp: 132
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 65.9 44.5 66.7

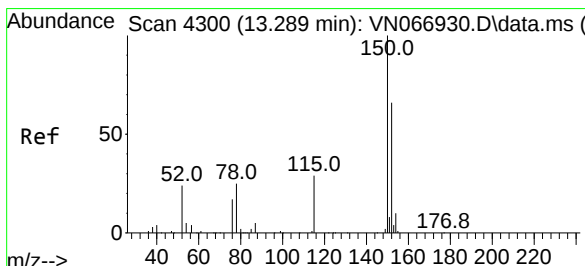
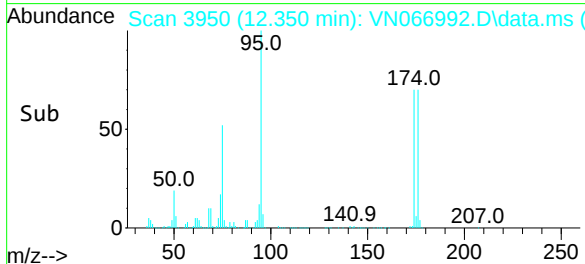
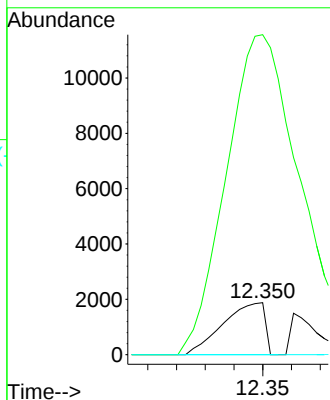
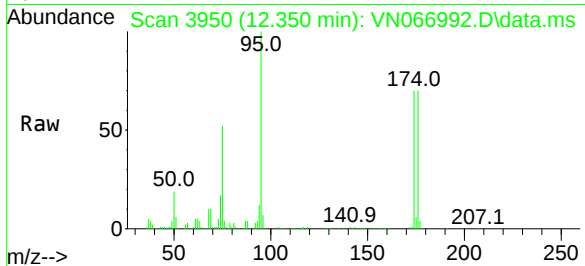




#71
Bromoform
Concen: 0.33 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

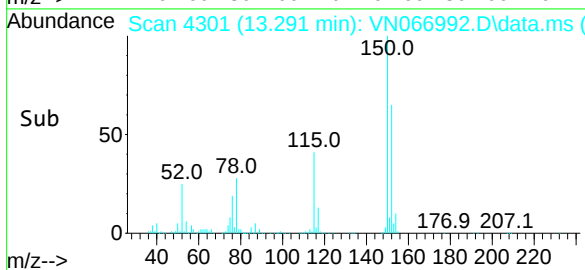
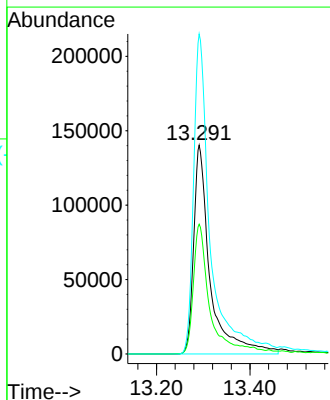
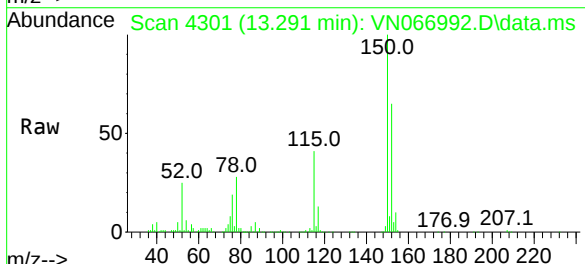
Instrument :
MSVOA_N
ClientSampled :

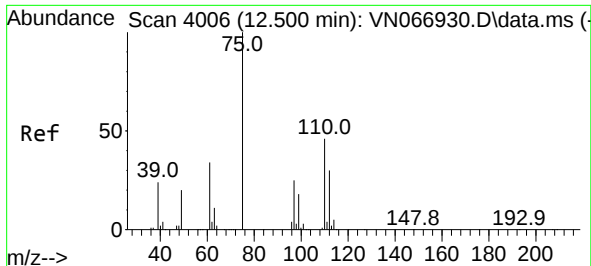
Tgt Ion:173 Resp: 1900
Ion Ratio Lower Upper
173 100
175 937.6 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

Tgt Ion:152 Resp: 344466
Ion Ratio Lower Upper
152 100
115 59.8 28.5 85.6
150 152.0 0.0 347.6

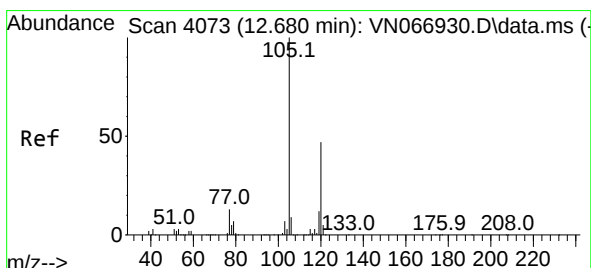
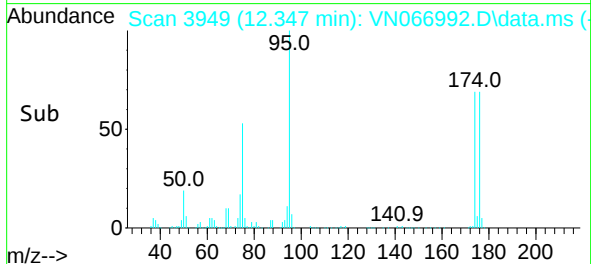
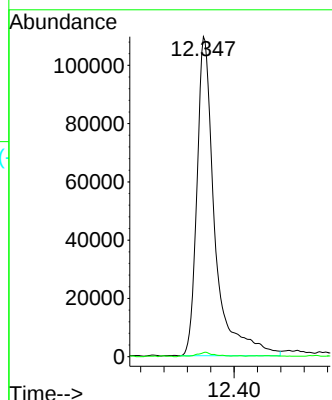
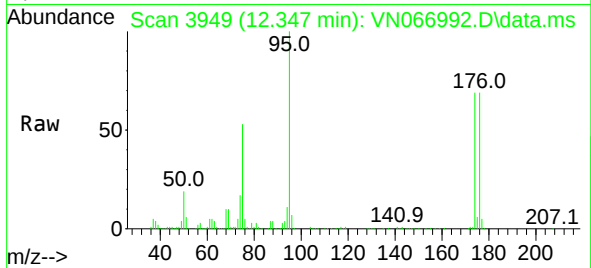




#76
1,2,3-Trichloropropane
Concen: 28.37 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. -0.153 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

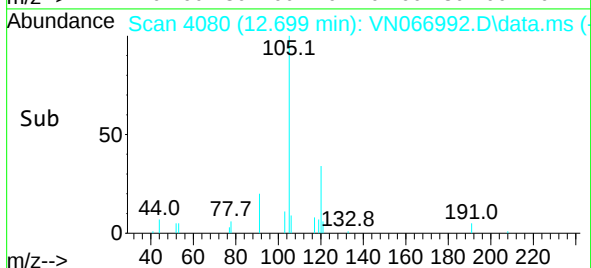
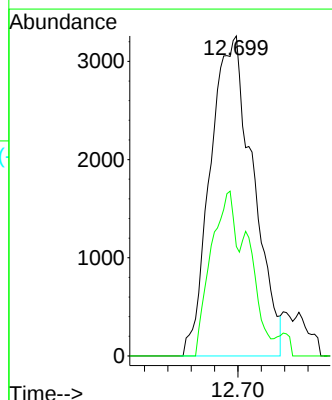
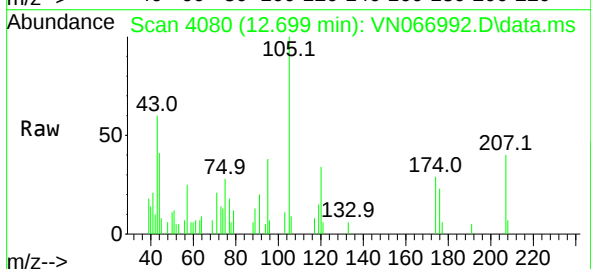
Instrument :
MSVOA_N
ClientSampled :

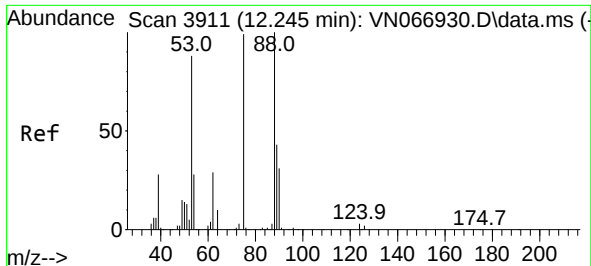
Tgt Ion: 75 Resp: 232826
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.35 ug/l
RT: 12.699 min Scan# 4080
Delta R.T. 0.019 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

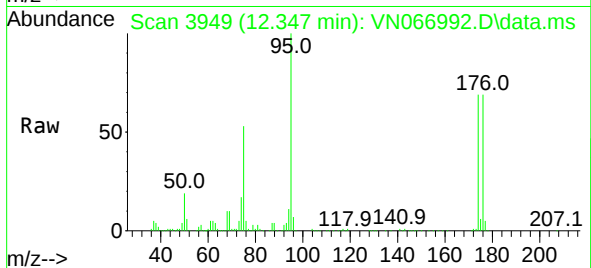
Tgt Ion:105 Resp: 8260
Ion Ratio Lower Upper
105 100
120 30.9 24.3 72.8



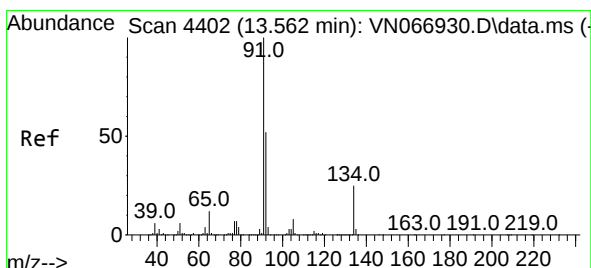
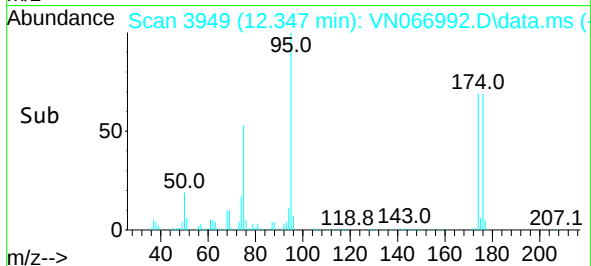
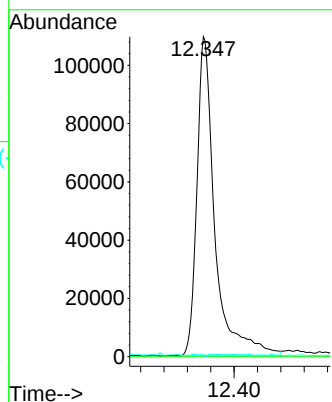


#81
trans-1,4-Dichloro-2-butene
Concen: 84.63 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.102 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 232826
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.560 min Scan# 4401
Delta R.T. -0.002 min
Lab File: VN066992.D
Acq: 5 May 2021 17:05

Tgt Ion: 91 Resp: 52
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#

