

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066960.D
 Acq On : 5 May 2021 1:57
 Operator : JC/MD
 Sample : M2256-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:48:54 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

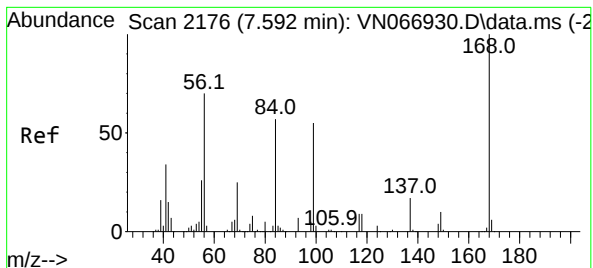
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.592	168	470841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	795129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	753626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	267252	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	383430	51.74	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.48%			
35) Dibromofluoromethane	7.514	113	274384	50.82	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.64%			
50) Toluene-d8	10.030	98	1072707	52.17	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.34%			
62) 4-Bromofluorobenzene	12.350	95	323496	46.46	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.92%			
Target Compounds						Qvalue
3) Chloromethane	2.035	50	2267	0.25	ug/l	89
13) Acrolein	3.545	56	757	0.87	ug/l #	17
16) Acetone	3.757	43	61110	23.44	ug/l	97
18) Methyl Acetate	4.253	43	3884	0.52	ug/l	98
20) Methylene Chloride	4.470	84	62569	9.46	ug/l	91
25) 2-Butanone	6.758	43	7374	1.92	ug/l #	87
29) Tetrahydrofuran	7.128	42	595	0.23	ug/l #	76
31) Cyclohexane	7.592	56	12100	1.16	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	41452	5.01	ug/l #	49
38) Carbon Tetrachloride	7.592	117	49148	5.69	ug/l #	18
43) Isopropyl Acetate	8.096	43	56408	4.12	ug/l #	83
45) 1,2-Dichloropropane	9.204	63	3739	0.51	ug/l #	44
48) Methyl methacrylate	9.118	41	12088	1.99	ug/l #	10
49) 1,4-Dioxane	9.209	88	400	4.16	ug/l #	1
51) 4-Methyl-2-Pentanone	9.925	43	12962	1.64	ug/l	95
54) cis-1,3-Dichloropropene	9.845	75	89560	8.21	ug/l #	65
56) Ethyl methacrylate	10.376	69	171	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.709	76	50990	4.75	ug/l #	43
59) 2-Hexanone	10.709	43	740386	141.78	ug/l #	50
70) Styrene	11.937	104	179	4.72	ug/l #	79
76) 1,2,3-Trichloropropane	12.350	75	170833	26.83	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	170833	80.34	ug/l #	12
89) n-Butylbenzene	13.624	91	189	5.25	ug/l #	34

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

Quant Time: May 05 07:48:54 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.592 min Scan# 2176

Delta R.T. 0.000 min

Lab File: VN066960.D

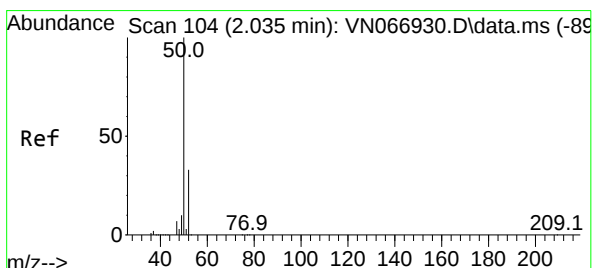
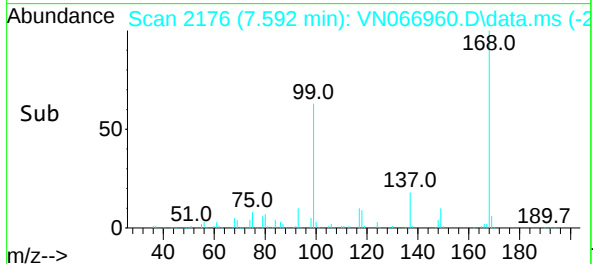
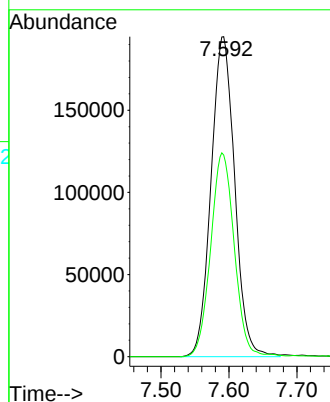
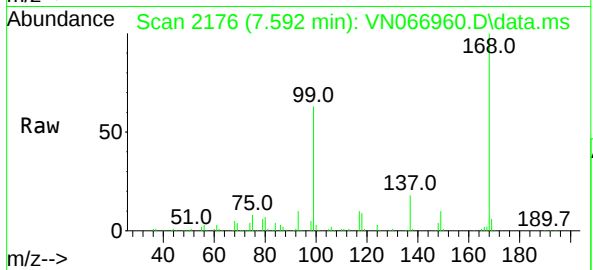
Acq: 5 May 2021 1:57

Tgt Ion:168 Resp: 470841

Ion Ratio Lower Upper

168 100

99 63.0 42.6 63.8



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.035 min Scan# 104

Delta R.T. 0.000 min

Lab File: VN066960.D

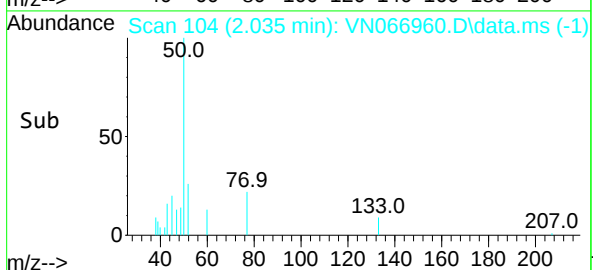
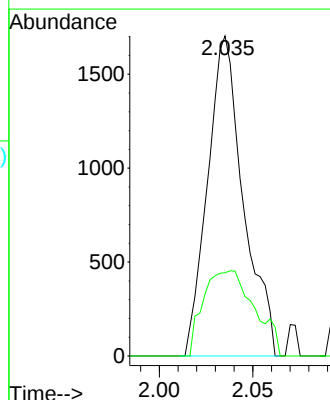
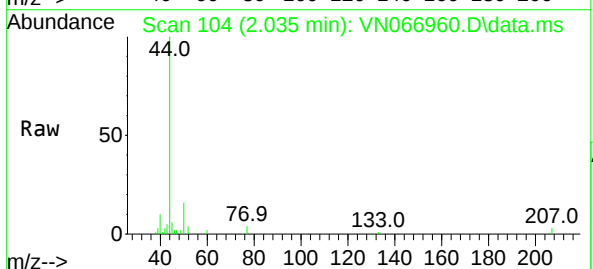
Acq: 5 May 2021 1:57

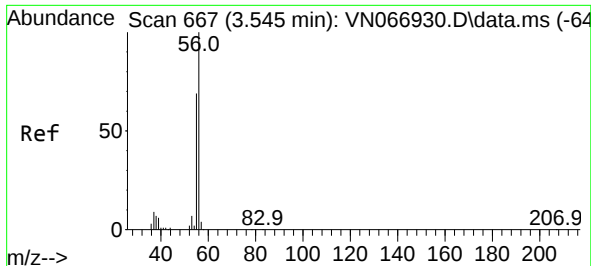
Tgt Ion: 50 Resp: 2267

Ion Ratio Lower Upper

50 100

52 26.0 25.8 38.8

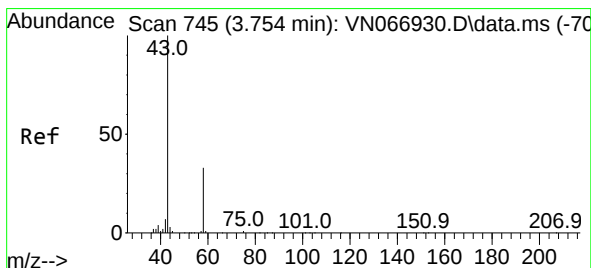
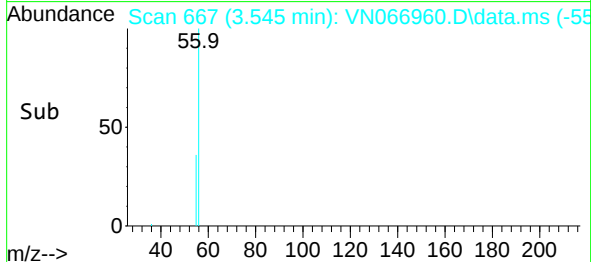
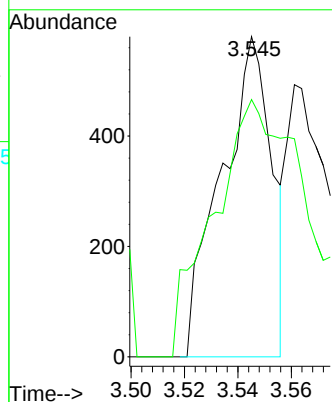
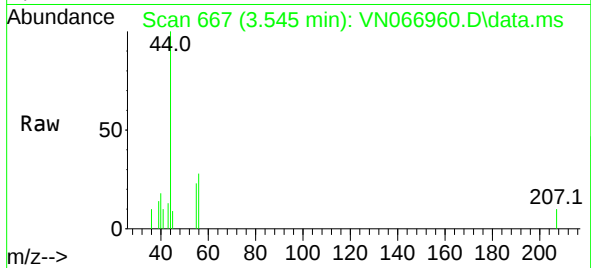




#13
Acrolein
Concen: 0.87 ug/l
RT: 3.545 min Scan# 667
Delta R.T. 0.000 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

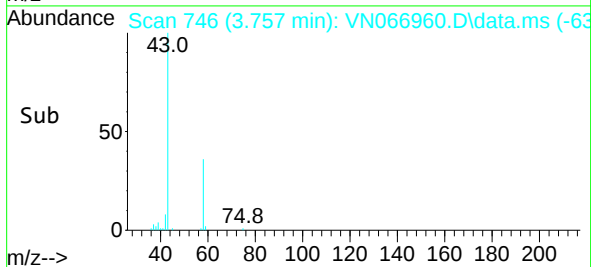
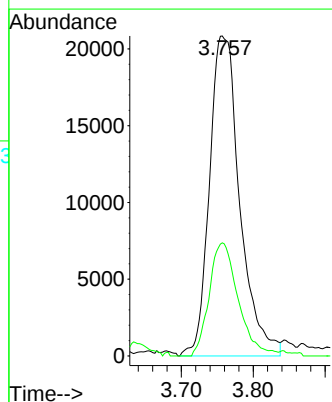
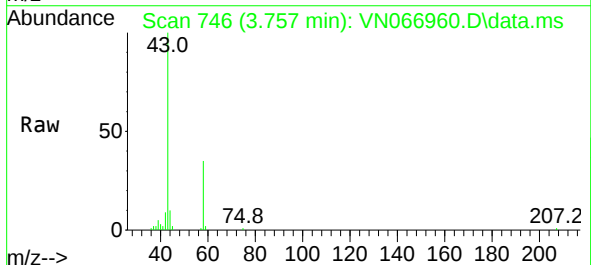
Instrument :
MSVOA_N
ClientSampled :

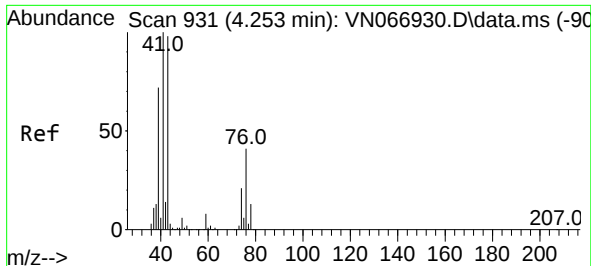
Tgt Ion: 56 Resp: 757
Ion Ratio Lower Upper
56 100
55 138.2 56.0 84.0#



#16
Acetone
Concen: 23.44 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

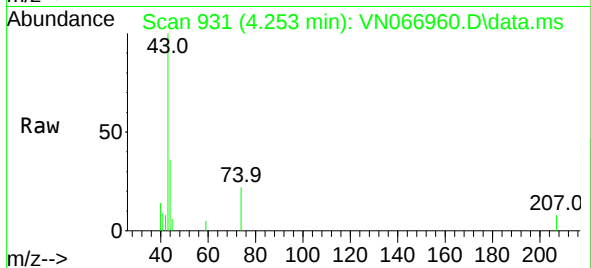
Tgt Ion: 43 Resp: 61110
Ion Ratio Lower Upper
43 100
58 35.4 27.0 40.6



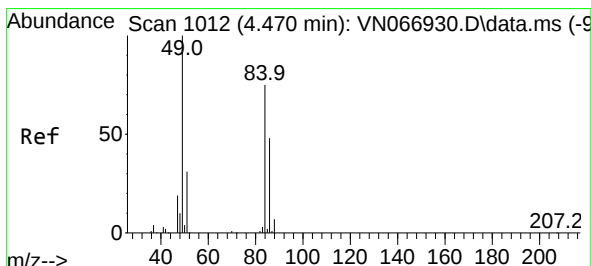
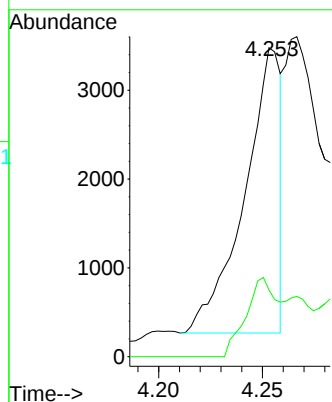
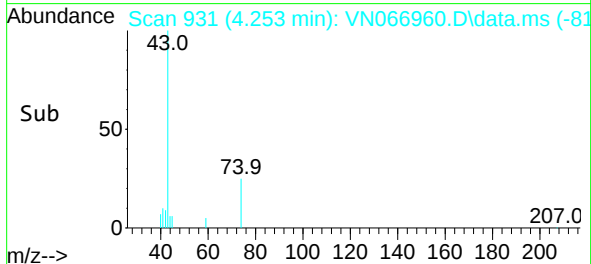


#18
Methyl Acetate
Concen: 0.52 ug/l
RT: 4.253 min Scan# 931
Delta R.T. 0.000 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

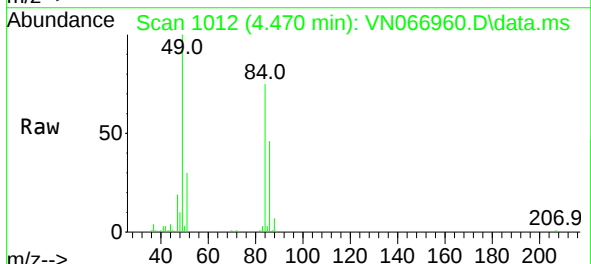
Instrument :
MSVOA_N
ClientSampled :



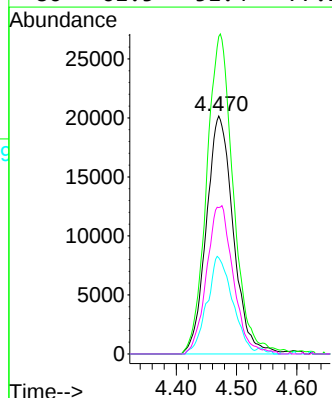
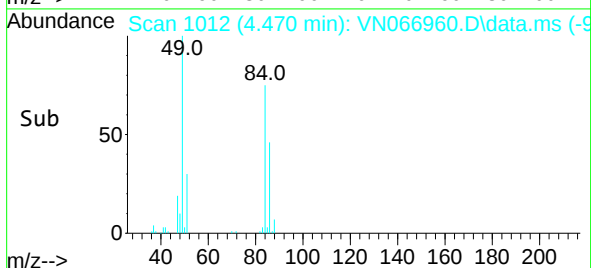
Tgt Ion: 43 Resp: 3884
Ion Ratio Lower Upper
43 100
74 23.5 19.5 29.3

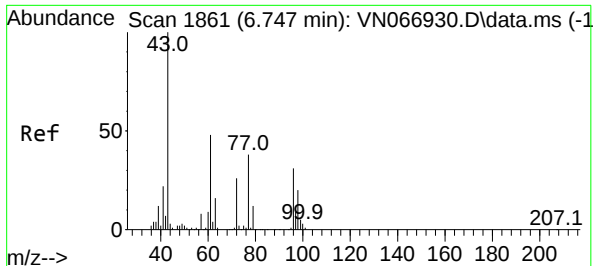


#20
Methylene Chloride
Concen: 9.46 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57



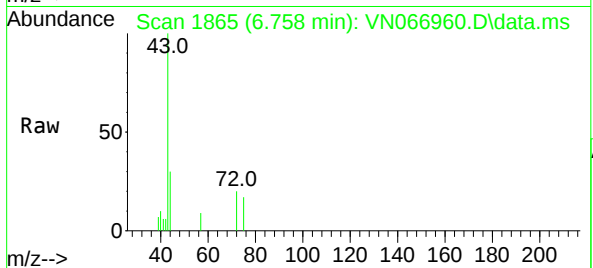
Tgt Ion: 84 Resp: 62569
Ion Ratio Lower Upper
84 100
49 133.4 94.6 141.8
51 40.4 29.9 44.9
86 61.5 51.4 77.2



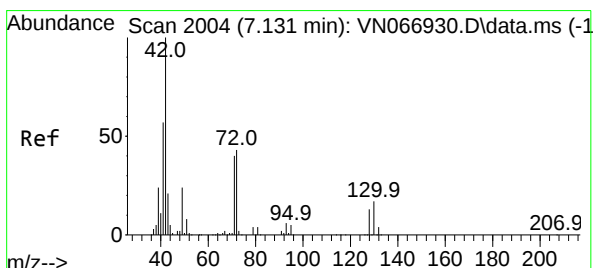
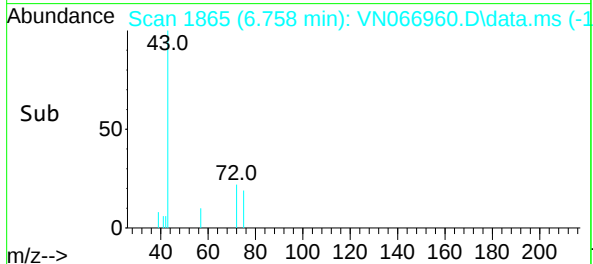
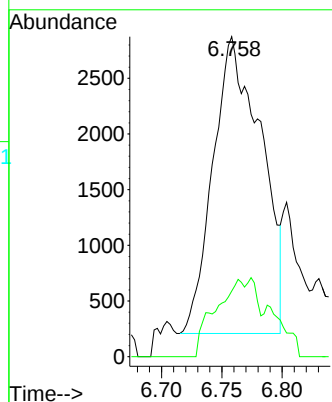


#25
2-Butanone
Concen: 1.92 ug/l
RT: 6.758 min Scan# 1865
Delta R.T. 0.011 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

Instrument :
MSVOA_N
ClientSampled :

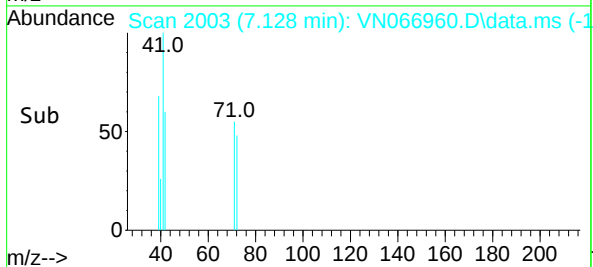
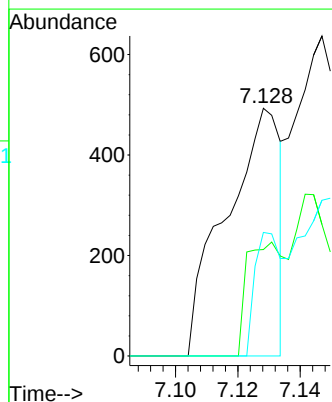
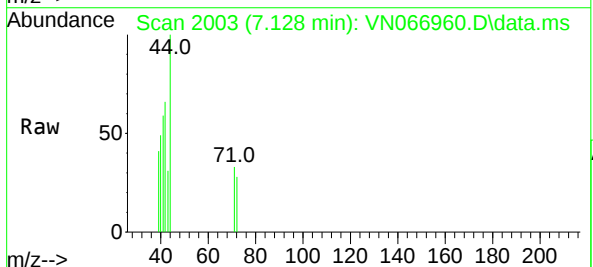


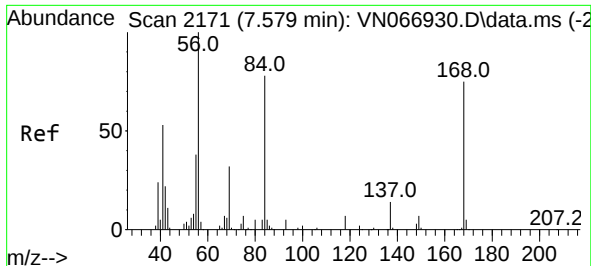
Tgt Ion: 43 Resp: 7374
Ion Ratio Lower Upper
43 100
72 22.1 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 7.128 min Scan# 2003
Delta R.T. -0.003 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

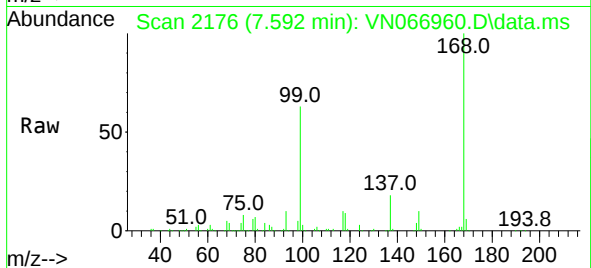
Tgt Ion: 42 Resp: 595
Ion Ratio Lower Upper
42 100
72 33.8 36.6 55.0#
71 23.4 34.3 51.5#



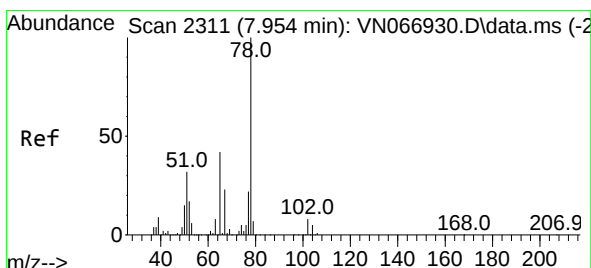
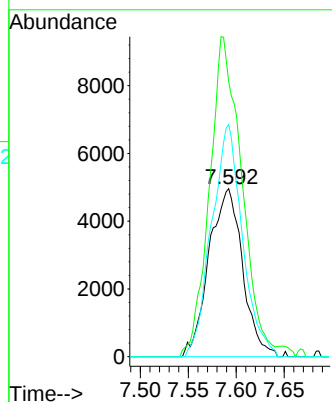
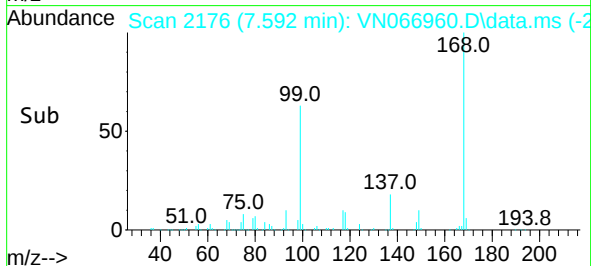


#31
Cyclohexane
Concen: 1.16 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

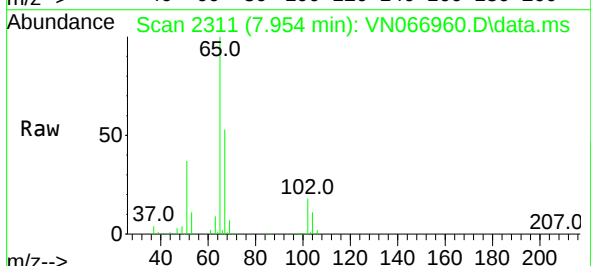
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MSVOA_N
ClientSampled :



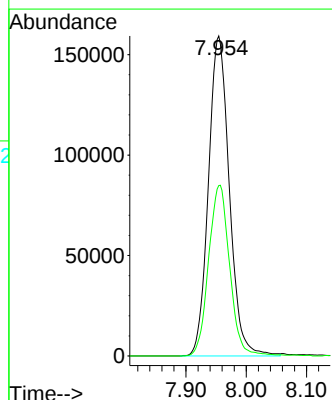
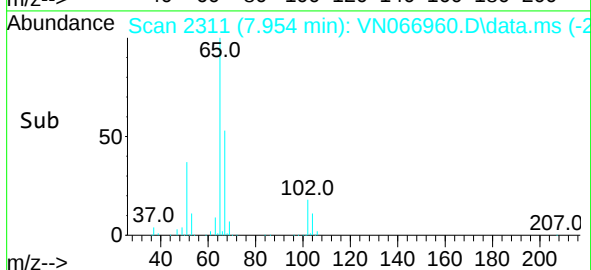
Tgt Ion: 56 Resp: 12100
Ion Ratio Lower Upper
56 100
69 163.8 26.6 39.8#
84 138.2 70.4 105.6#

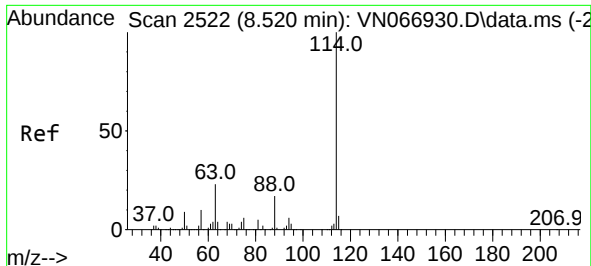


#33
1,2-Dichloroethane-d4
Concen: 51.74 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57



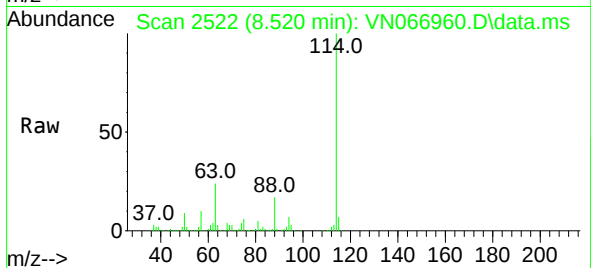
Tgt Ion: 65 Resp: 383430
Ion Ratio Lower Upper
65 100
67 53.7 0.0 107.2



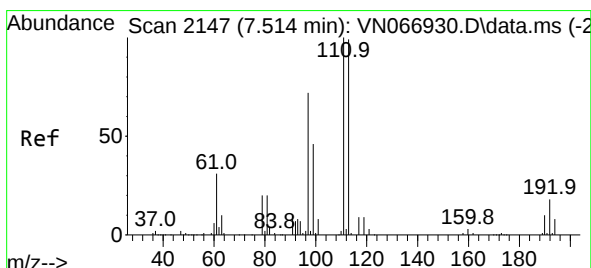
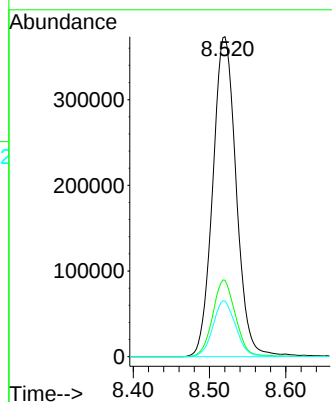
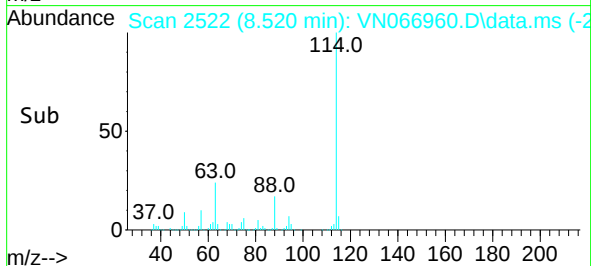


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

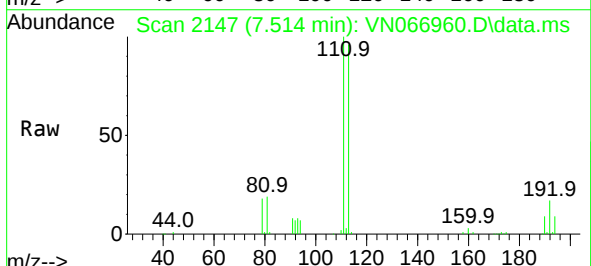
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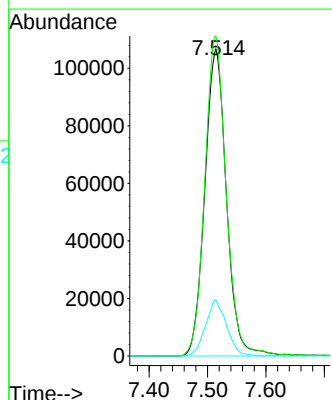
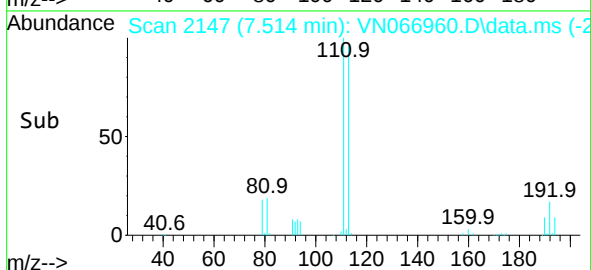
Tgt Ion:114 Resp: 795129
Ion Ratio Lower Upper
114 100
63 23.9 0.0 38.6
88 17.4 0.0 30.6

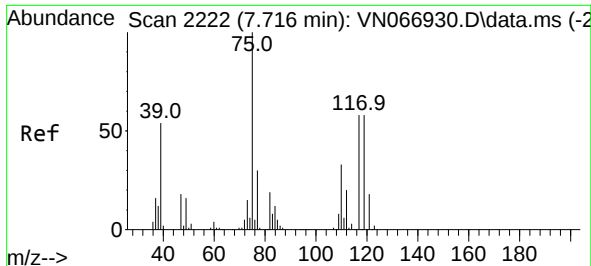


#35
Dibromofluoromethane
Concen: 50.82 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57



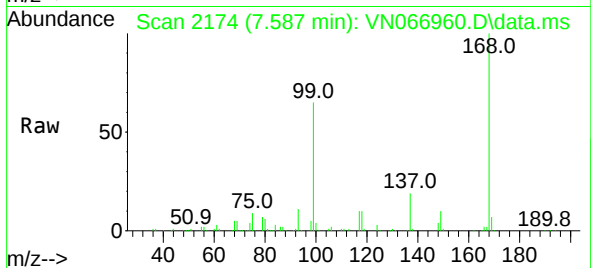
Tgt Ion:113 Resp: 274384
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 17.7 15.4 23.0



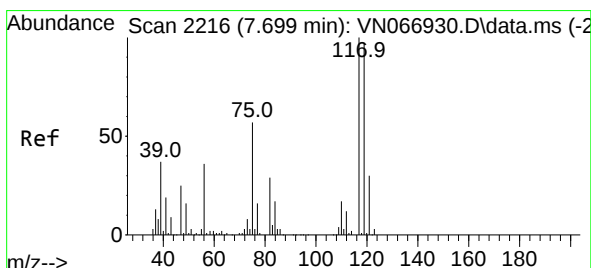
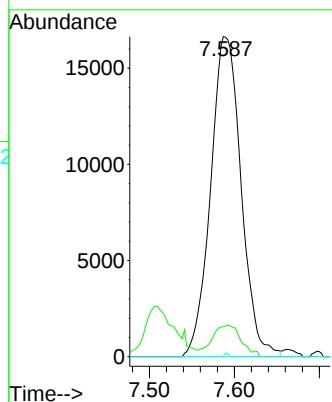
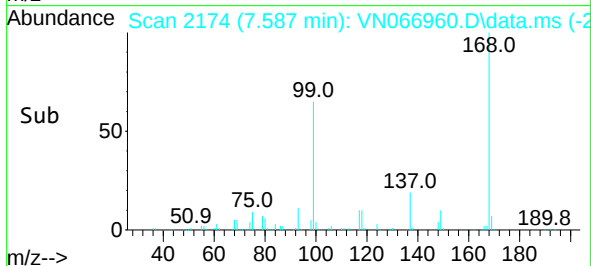


#36
 1,1-Dichloropropene
 Concen: 5.01 ug/l
 RT: 7.587 min Scan# 2174
 Delta R.T. -0.129 min
 Lab File: VN066960.D
 Acq: 5 May 2021 1:57

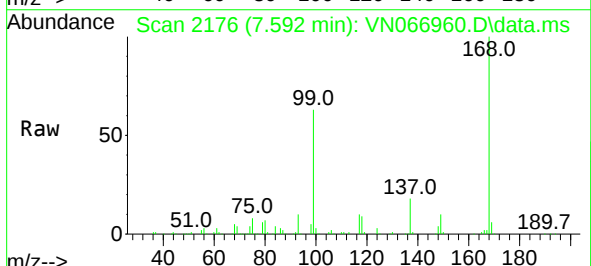
Instrument :
 MSVOA_N
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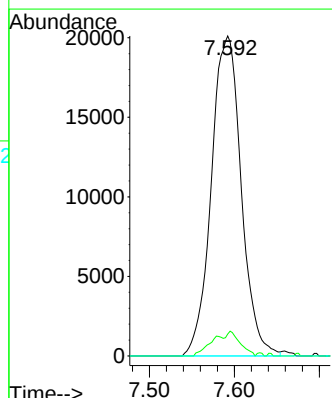
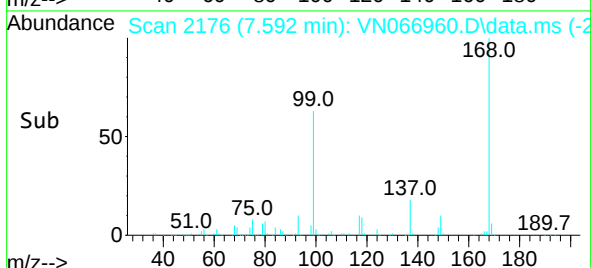
Tgt Ion: 75 Resp: 41452
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.2 54.6#
 77 0.1 24.9 37.3#

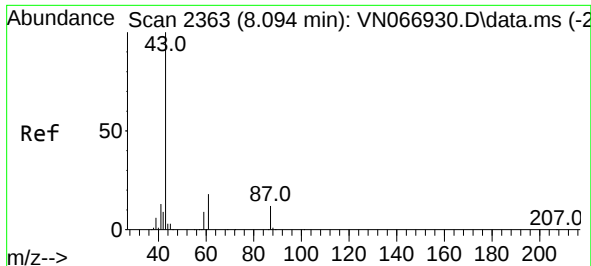


#38
 Carbon Tetrachloride
 Concen: 5.69 ug/l
 RT: 7.592 min Scan# 2176
 Delta R.T. -0.107 min
 Lab File: VN066960.D
 Acq: 5 May 2021 1:57



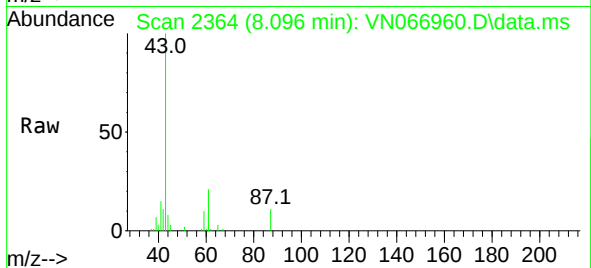
Tgt Ion: 117 Resp: 49148
 Ion Ratio Lower Upper
 117 100
 119 6.9 76.0 114.0#
 121 0.0 24.5 36.7#



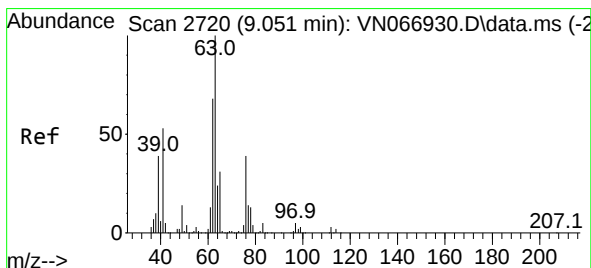
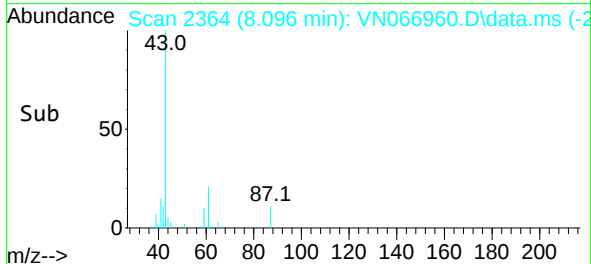
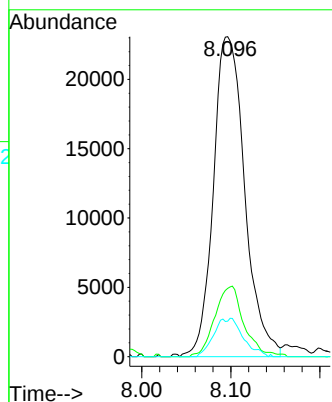


#43
Isopropyl Acetate
Concen: 4.12 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

Instrument :
MSVOA_N
ClientSampled :

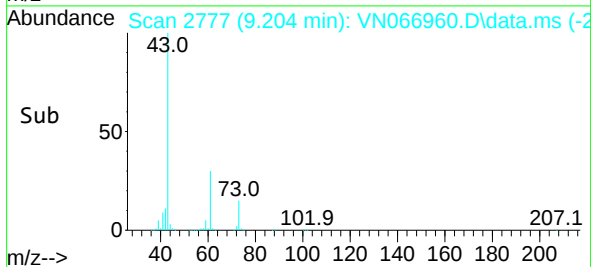
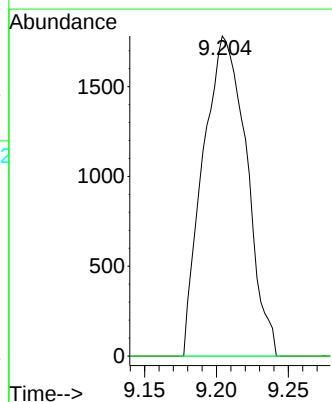
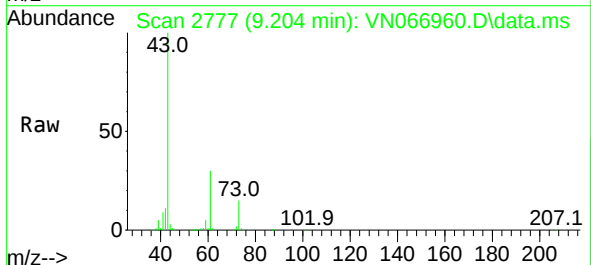


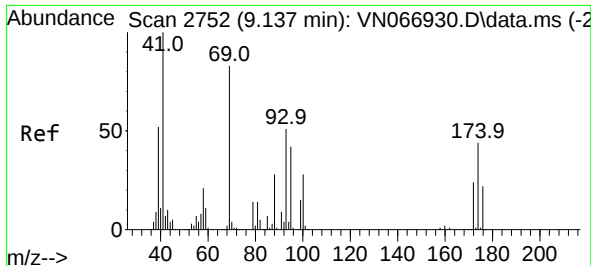
Tgt Ion: 43 Resp: 56408
Ion Ratio Lower Upper
43 100
61 20.6 22.5 33.7#
87 4.9 11.1 16.7#



#45
1,2-Dichloropropane
Concen: 0.51 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.153 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

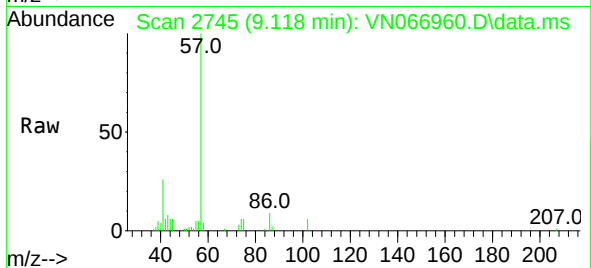
Tgt Ion: 63 Resp: 3739
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



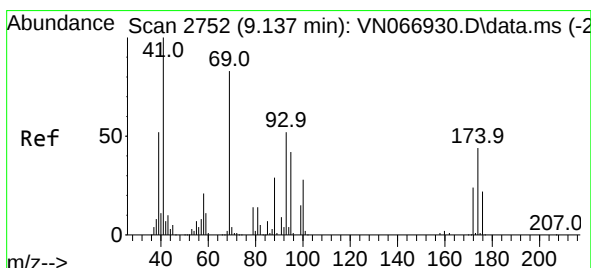
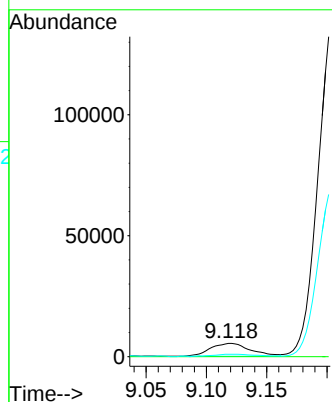
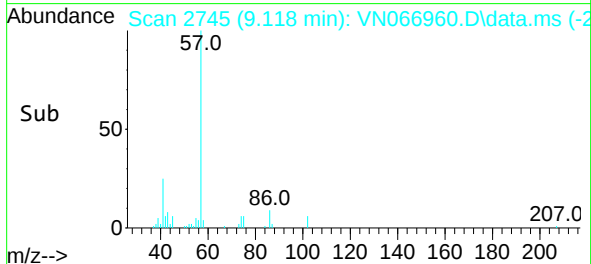


#48
Methyl methacrylate
Concen: 1.99 ug/l
RT: 9.118 min Scan# 2745
Delta R.T. -0.019 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

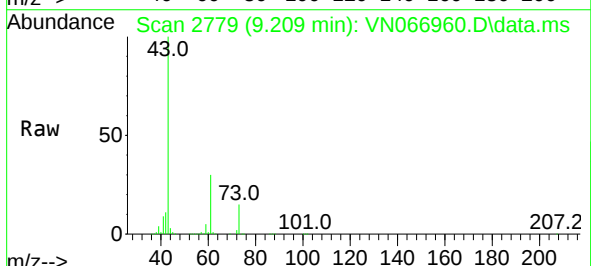
Instrument :
MSVOA_N
ClientSampleId :



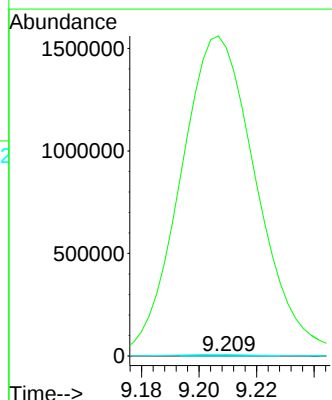
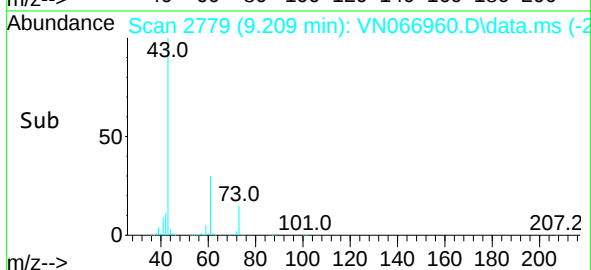
Tgt Ion: 41 Resp: 12088
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

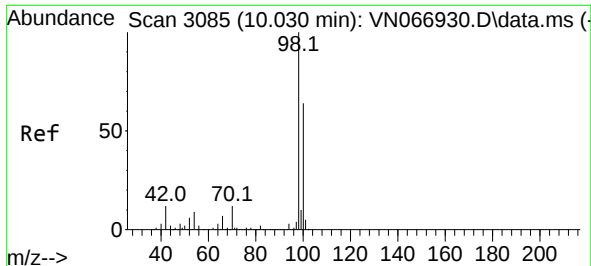


#49
1,4-Dioxane
Concen: 4.16 ug/l
RT: 9.209 min Scan# 2779
Delta R.T. 0.072 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57



Tgt Ion: 88 Resp: 400
Ion Ratio Lower Upper
88 100
43 742328.0 24.7 37.1#
58 3742.5 52.6 78.8#

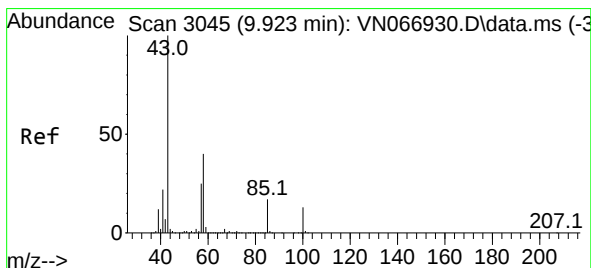
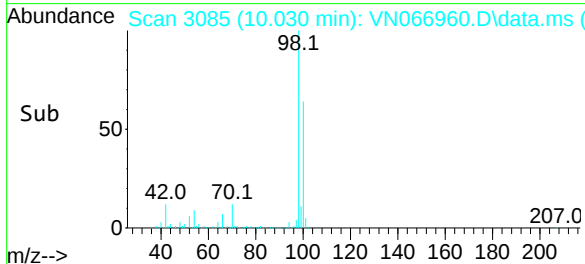
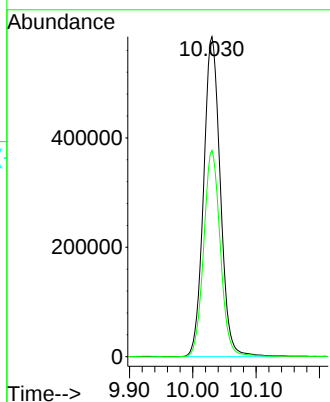
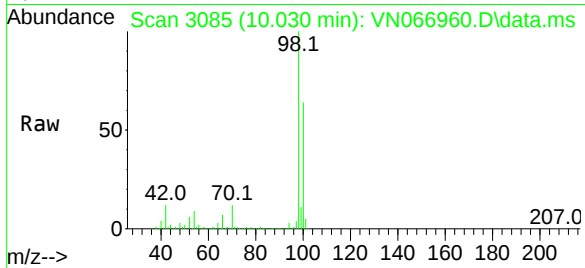




#50
Toluene-d8
Concen: 52.17 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

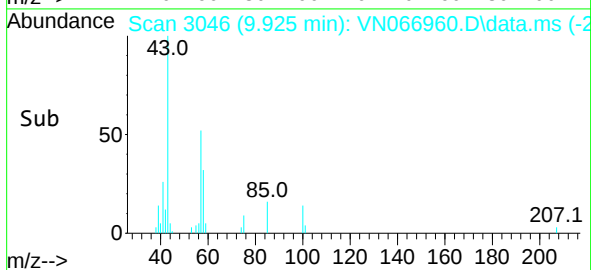
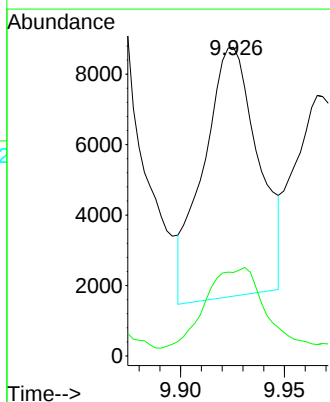
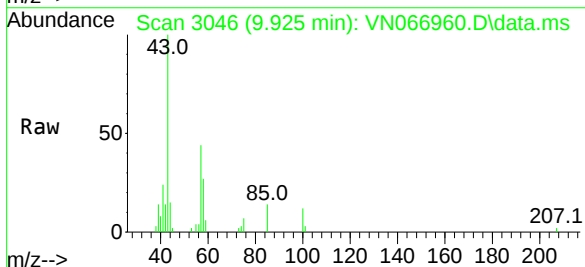
Instrument :
MSVOA_N
ClientSampled :

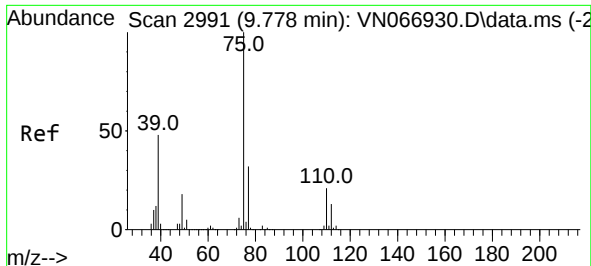
Tgt Ion: 98 Resp: 1072707
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.64 ug/l
RT: 9.925 min Scan# 3046
Delta R.T. 0.002 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

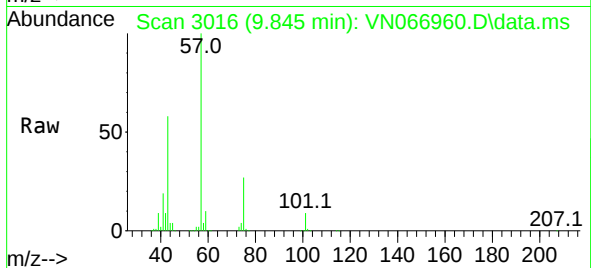
Tgt Ion: 43 Resp: 12962
Ion Ratio Lower Upper
43 100
58 43.9 32.5 48.7



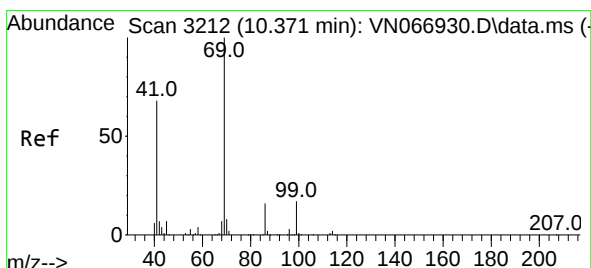
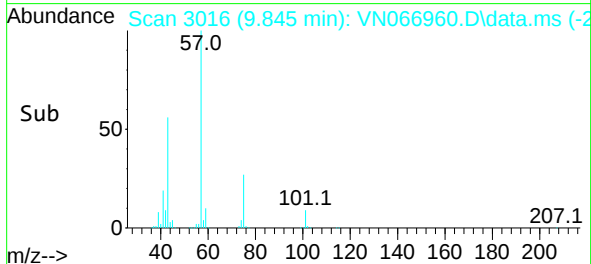
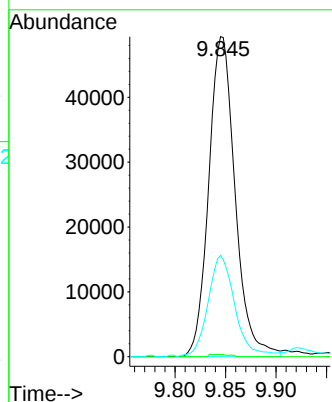


#54
 cis-1,3-Dichloropropene
 Concen: 8.21 ug/l
 RT: 9.845 min Scan# 3016
 Delta R.T. 0.067 min
 Lab File: VN066960.D
 Acq: 5 May 2021 1:57

Instrument :
 MSVOA_N
 ClientSampled :

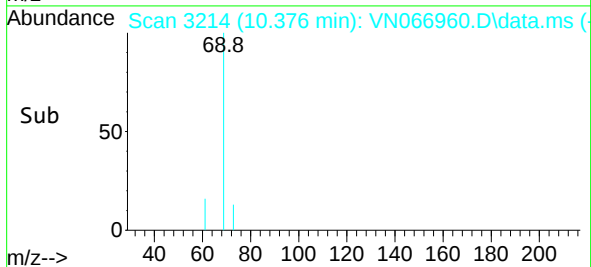
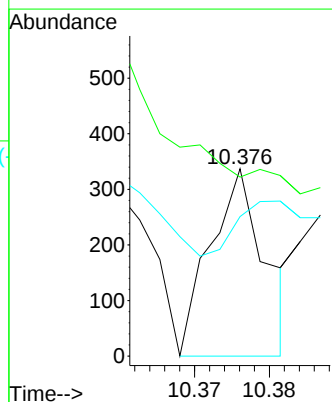
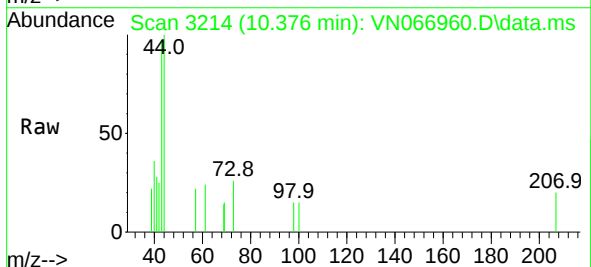


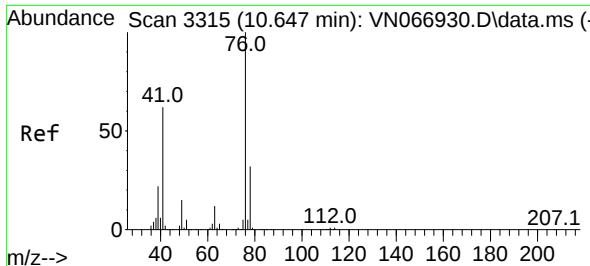
Tgt Ion: 75 Resp: 89560
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.9 37.3#
 39 31.3 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 5.21 ug/l
 RT: 10.376 min Scan# 3214
 Delta R.T. 0.005 min
 Lab File: VN066960.D
 Acq: 5 May 2021 1:57

Tgt Ion: 69 Resp: 171
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

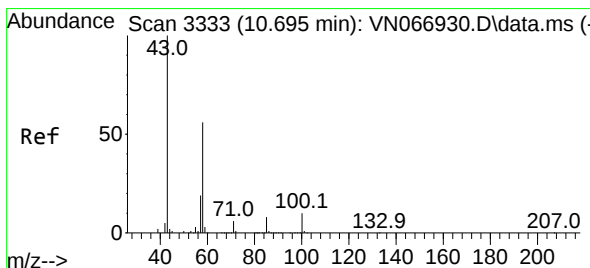
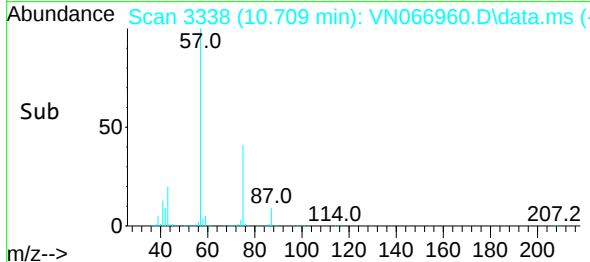
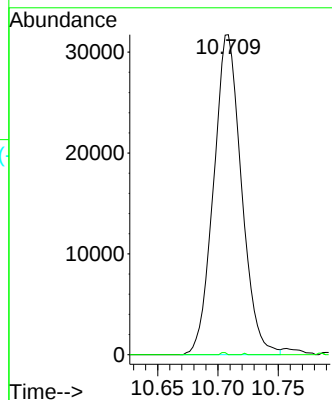
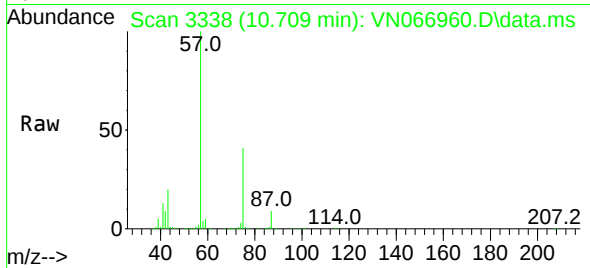




#57
1,3-Dichloropropane
Concen: 4.75 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

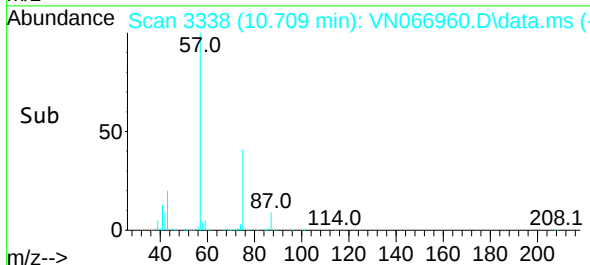
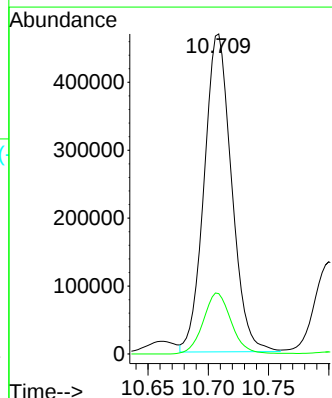
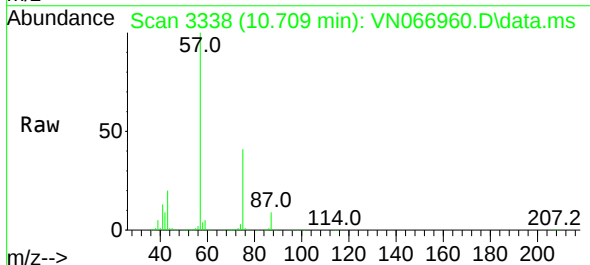
Instrument :
MSVOA_N
ClientSampled :

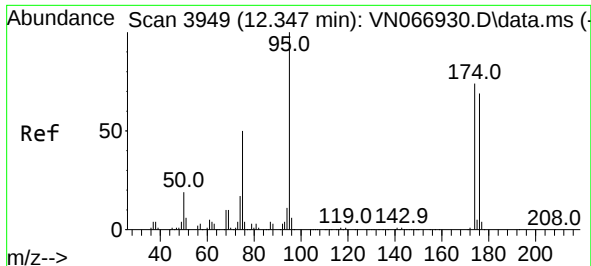
Tgt Ion: 76 Resp: 50990
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#59
2-Hexanone
Concen: 141.78 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

Tgt Ion: 43 Resp: 740386
Ion Ratio Lower Upper
43 100
58 19.8 28.1 84.3#

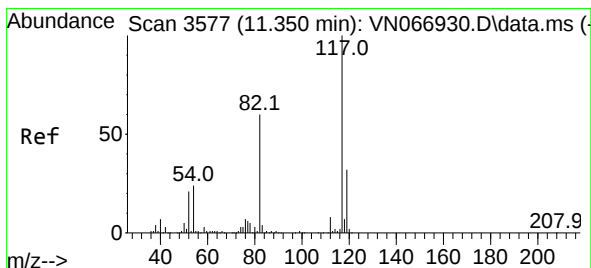
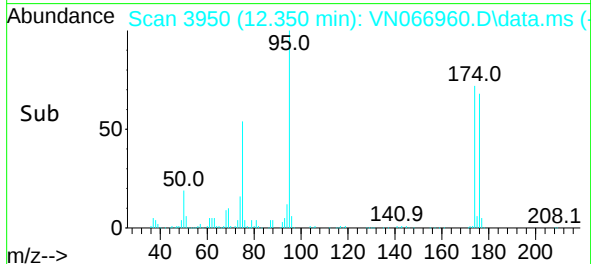
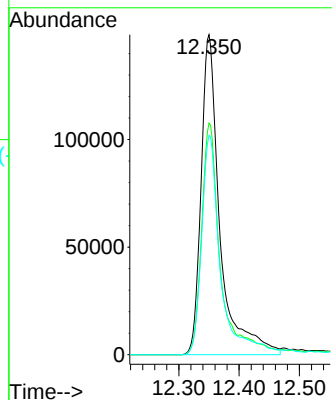
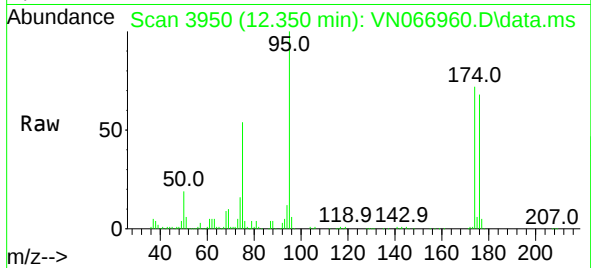




#62
4-Bromofluorobenzene
Concen: 46.46 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

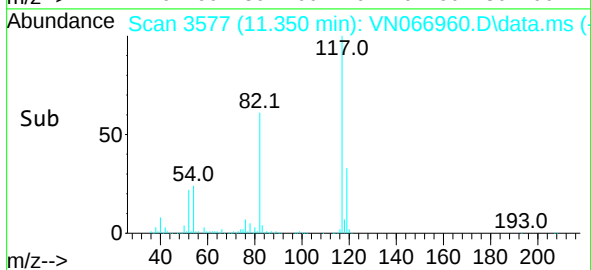
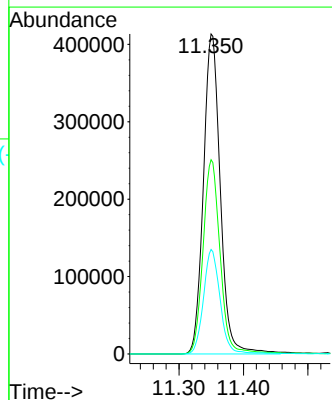
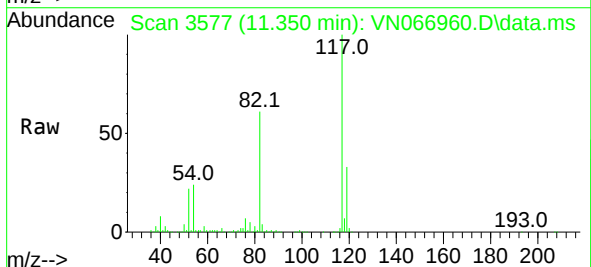
Instrument :
MSVOA_N
ClientSampled :

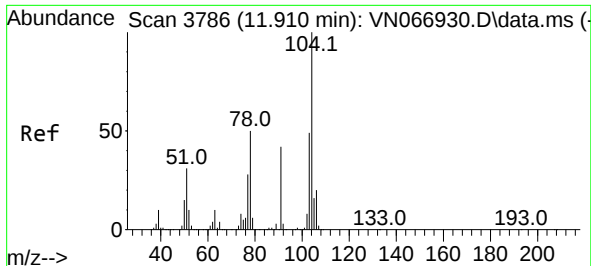
Tgt Ion: 95 Resp: 323496
Ion Ratio Lower Upper
95 100
174 71.9 0.0 169.0
176 68.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

Tgt Ion: 117 Resp: 753626
Ion Ratio Lower Upper
117 100
82 60.7 43.7 65.5
119 32.7 26.1 39.1

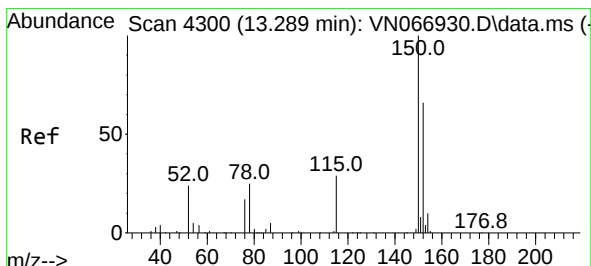
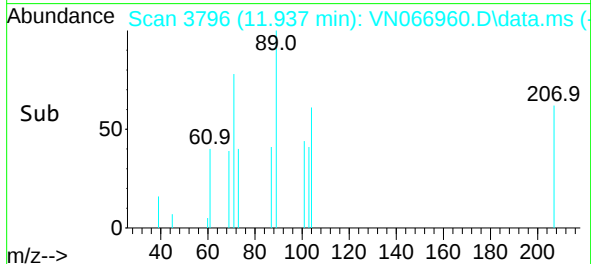
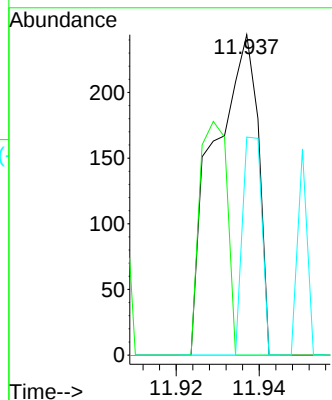
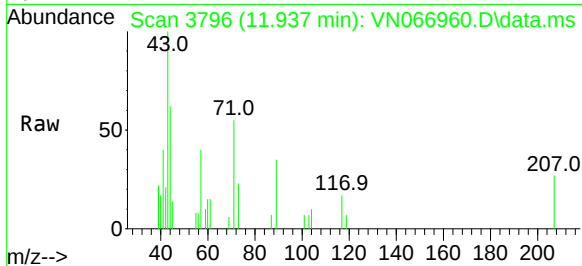




#70
Styrene
Concen: 4.72 ug/l
RT: 11.937 min Scan# 3796
Delta R.T. 0.027 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

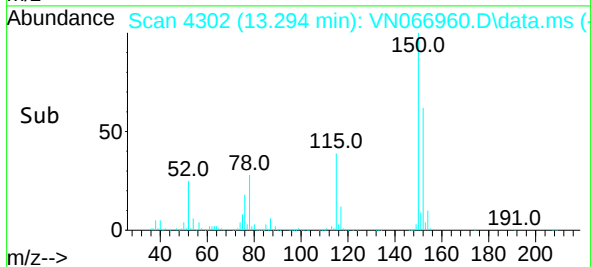
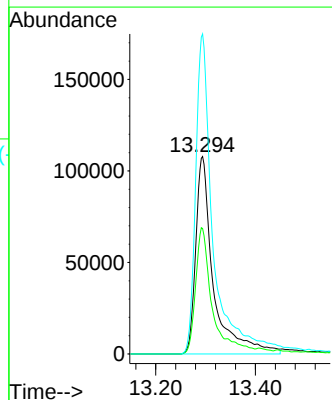
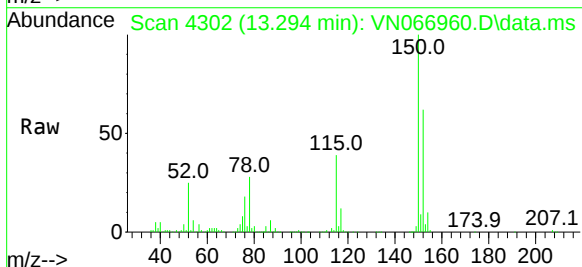
Instrument :
MSVOA_N
ClientSampleId :

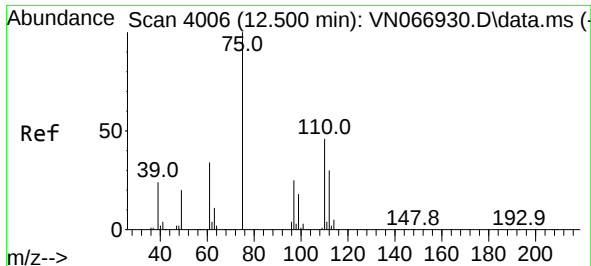
Tgt Ion:104 Resp: 179
Ion Ratio Lower Upper
104 100
78 45.3 39.0 58.4
103 29.6 44.5 66.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

Tgt Ion:152 Resp: 267252
Ion Ratio Lower Upper
152 100
115 60.0 28.5 85.6
150 163.3 0.0 347.6

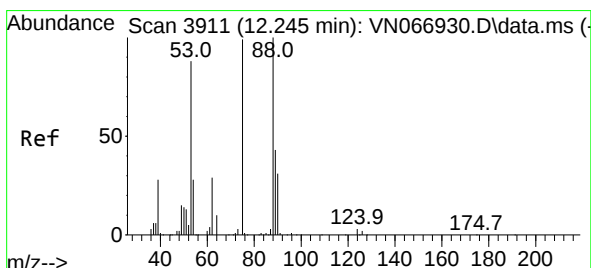
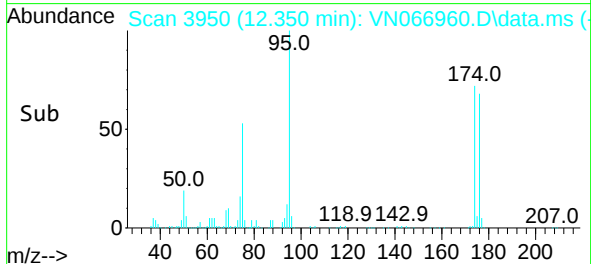
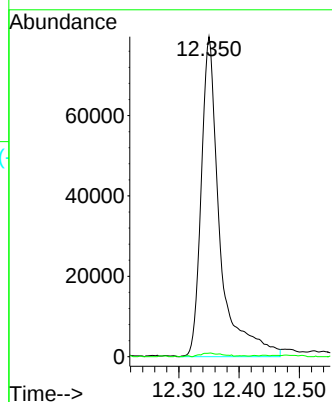
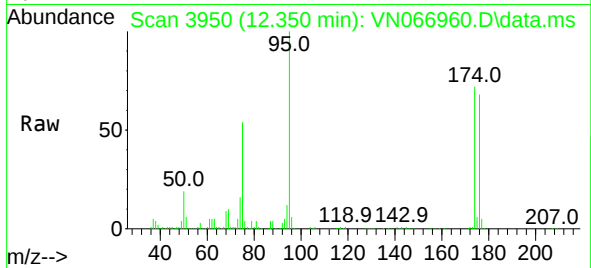




#76
1,2,3-Trichloropropane
Concen: 26.83 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

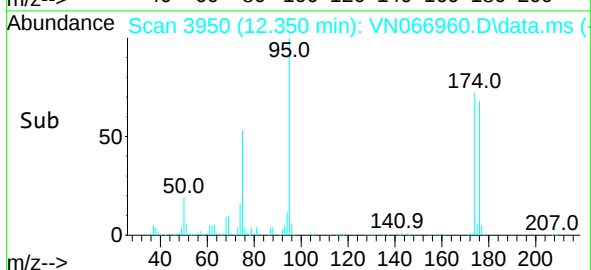
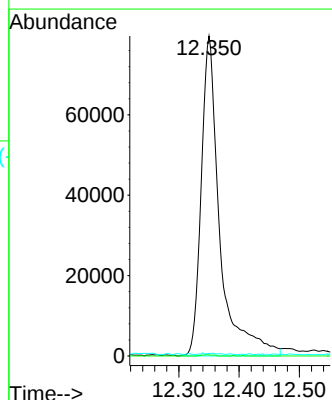
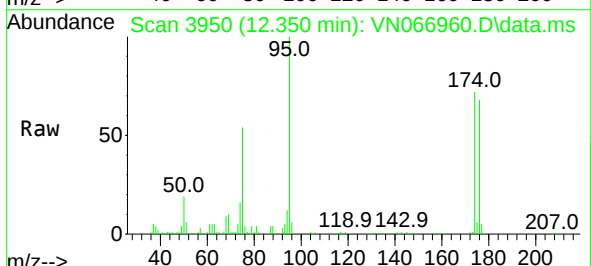
Instrument :
MSVOA_N
ClientSampled :

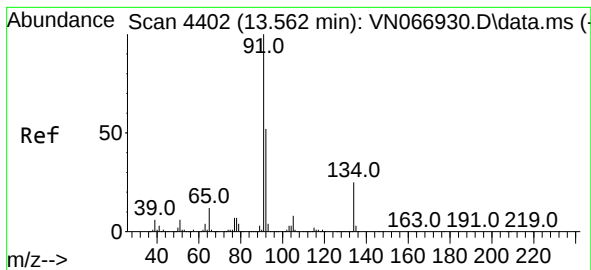
Tgt Ion: 75 Resp: 170833
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.34 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066960.D
Acq: 5 May 2021 1:57

Tgt Ion: 75 Resp: 170833
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.1 35.8 53.8#





#89
 n-Butylbenzene
 Concen: 5.25 ug/l
 RT: 13.624 min Scan# 4425
 Delta R.T. 0.062 min
 Lab File: VN066960.D
 Acq: 5 May 2021 1:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 91 Resp: 189
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.1 78.3#
 134 0.0 13.0 38.9#

