

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066966.D
 Acq On : 5 May 2021 4:21
 Operator : JC/MD
 Sample : M2256-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:50:32 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)

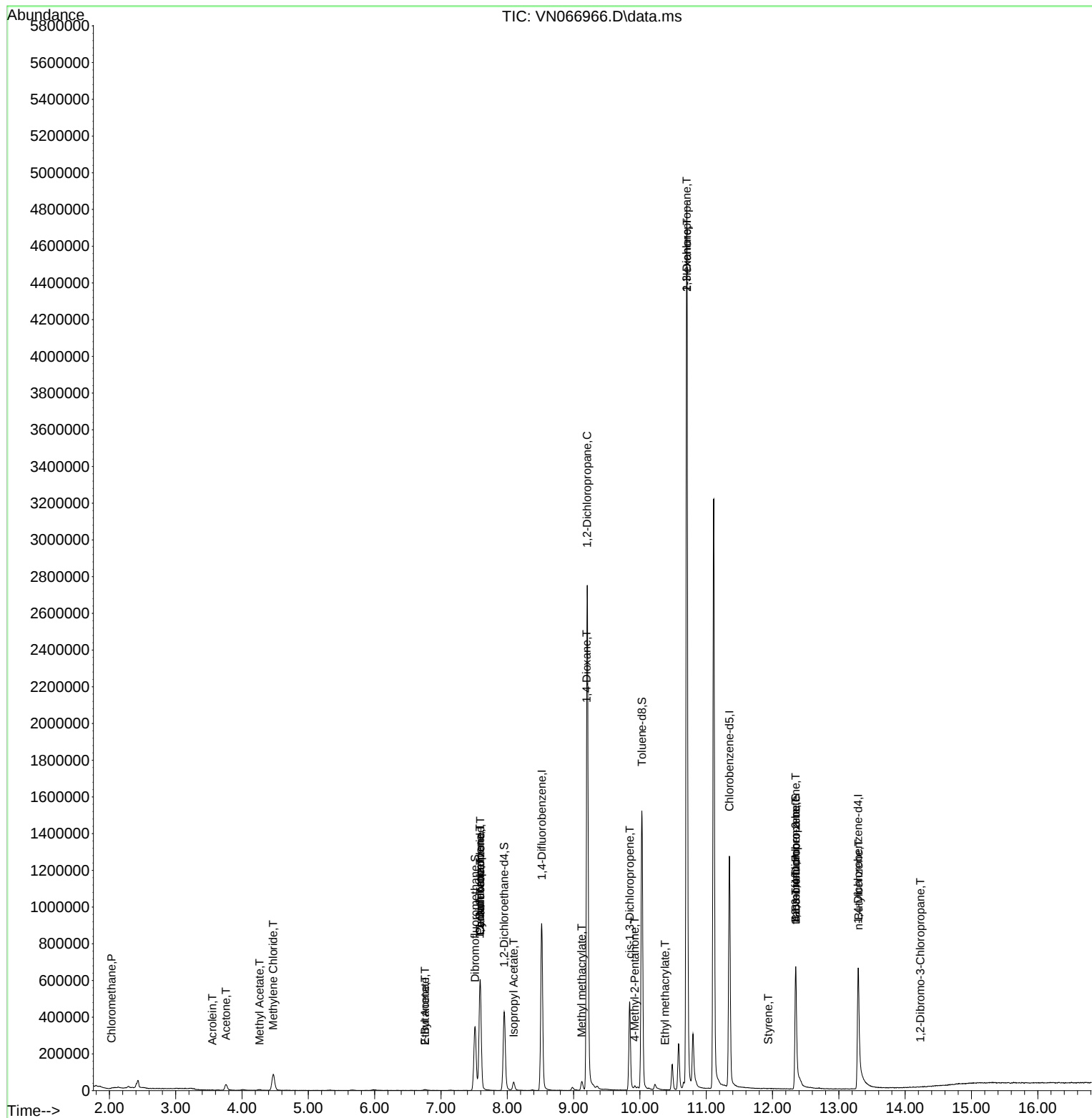
Internal Standards						
1) Pentafluorobenzene	7.592	168	453050	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.520	114	776010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	723483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	251151	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	384842	53.97	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.94%			
35) Dibromofluoromethane	7.514	113	271219	51.47	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.94%			
50) Toluene-d8	10.030	98	1043276	51.99	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.98%			
62) 4-Bromofluorobenzene	12.350	95	305027	44.89	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.78%			
Target Compounds						
						Qvalue
3) Chloromethane	2.032	50	2215	0.25	ug/l	# 78
13) Acrolein	3.553	56	1152	1.38	ug/l	84
16) Acetone	3.757	43	55386	22.08	ug/l	96
18) Methyl Acetate	4.264	43	3992	0.56	ug/l	# 52
20) Methylene Chloride	4.470	84	63788	10.02	ug/l	94
25) 2-Butanone	6.761	43	6480	1.75	ug/l	92
31) Cyclohexane	7.589	56	11165	1.11	ug/l	# 3
36) 1,1-Dichloropropene	7.587	75	41264	5.11	ug/l	# 48
37) Ethyl Acetate	6.761	43	6480	0.79	ug/l	# 68
38) Carbon Tetrachloride	7.592	117	47792	5.67	ug/l	# 18
43) Isopropyl Acetate	8.096	43	54192	4.05	ug/l	# 83
45) 1,2-Dichloropropane	9.204	63	3655	0.52	ug/l	# 44
48) Methyl methacrylate	9.121	41	12705	2.14	ug/l	# 10
49) 1,4-Dioxane	9.196	88	176	1.87	ug/l	# 26
51) 4-Methyl-2-Pentanone	9.923	43	15446	2.00	ug/l	# 77
54) cis-1,3-Dichloropropene	9.847	75	89421	8.40	ug/l	# 63
56) Ethyl methacrylate	10.379	69	208	5.21	ug/l	# 27
57) 1,3-Dichloropropane	10.706	76	48410	4.62	ug/l	# 43
59) 2-Hexanone	10.708	43	705319	139.07	ug/l	# 50
70) Styrene	11.937	104	106	4.72	ug/l	# 26
71) Bromoform	12.350	173	2238	0.52	ug/l	# 1
76) 1,2,3-Trichloropropane	12.347	75	158870	26.55	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.347	75	158870	79.56	ug/l	# 12
89) n-Butylbenzene	13.297	91	568	5.28	ug/l	# 26
92) 1,2-Dibromo-3-Chloropr...	14.227	75	316	0.26	ug/l	# 1

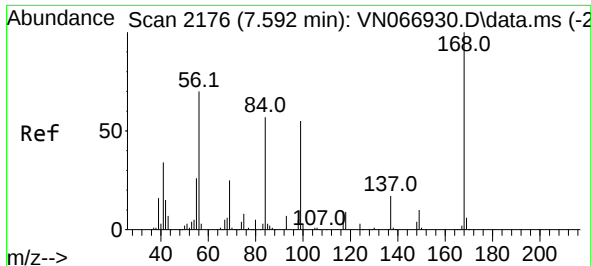
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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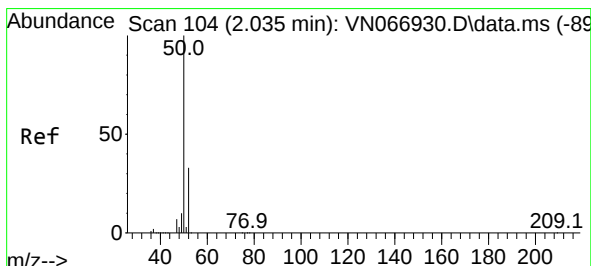
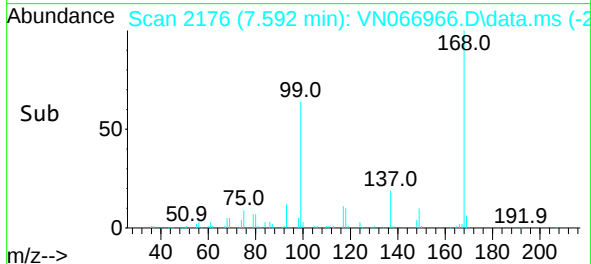
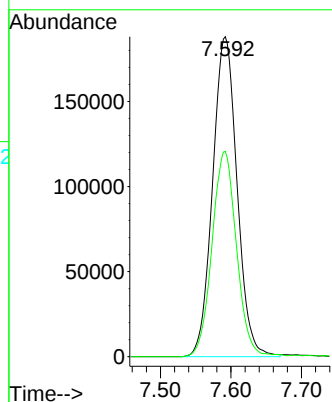
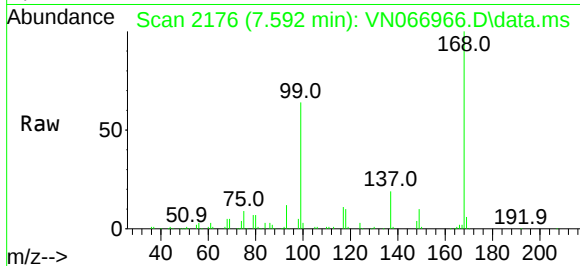




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.000 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

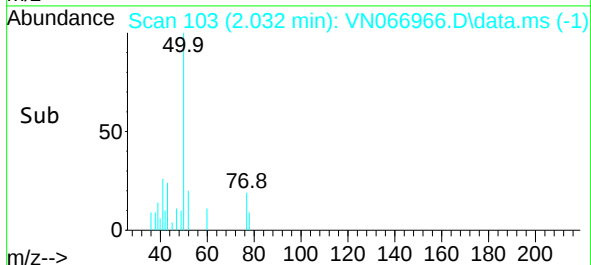
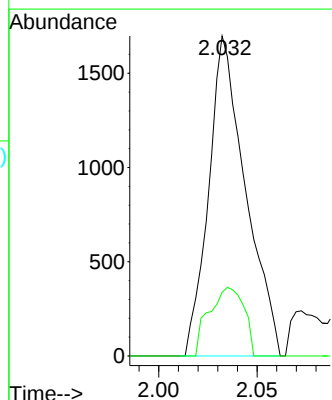
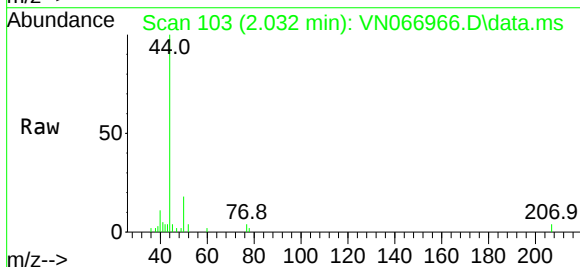
Instrument :
MSVOA_N
ClientSampled :

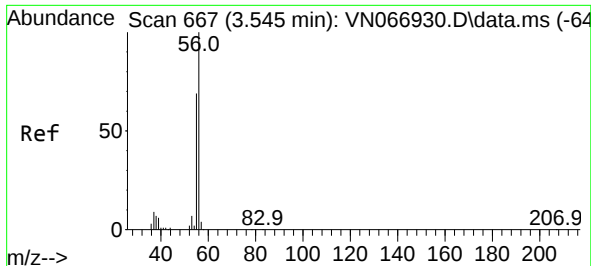
Tgt Ion:168 Resp: 453050
Ion Ratio Lower Upper
168 100
99 64.1 42.6 63.8#



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.032 min Scan# 103
Delta R.T. -0.003 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

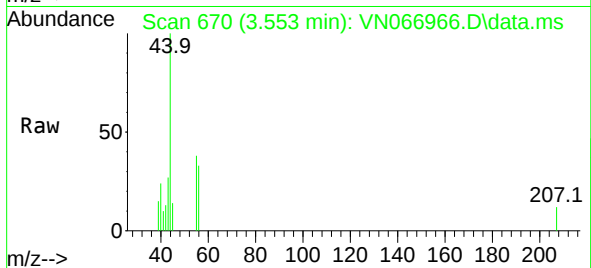
Tgt Ion: 50 Resp: 2215
Ion Ratio Lower Upper
50 100
52 19.9 25.8 38.8#



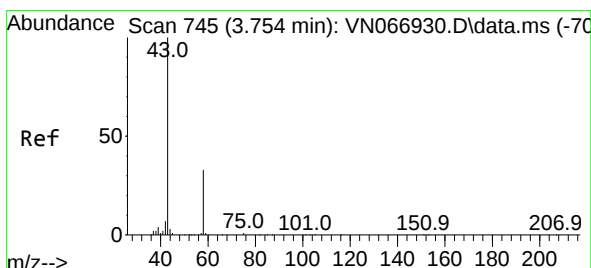
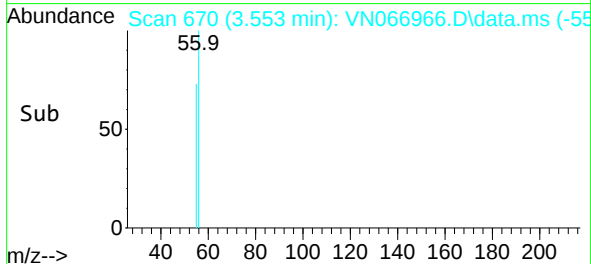
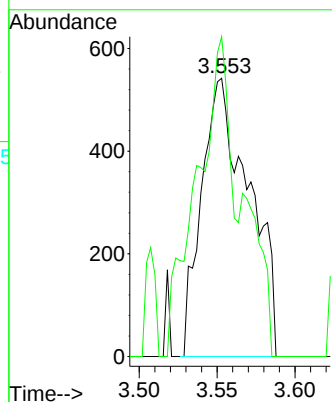


#13
Acrolein
Concen: 1.38 ug/l
RT: 3.553 min Scan# 670
Delta R.T. 0.008 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

Instrument :
MSVOA_N
ClientSampled :

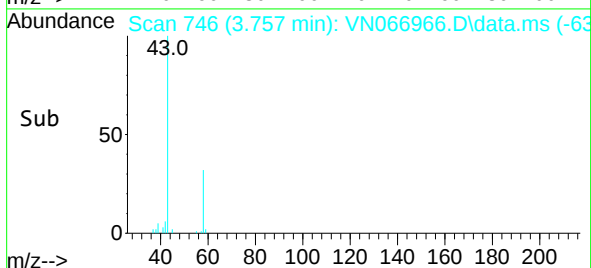
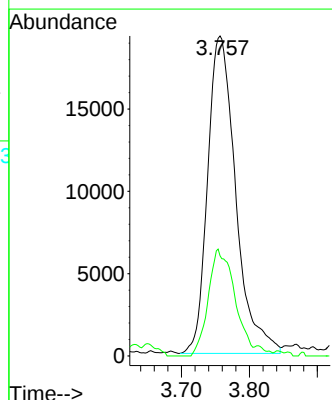
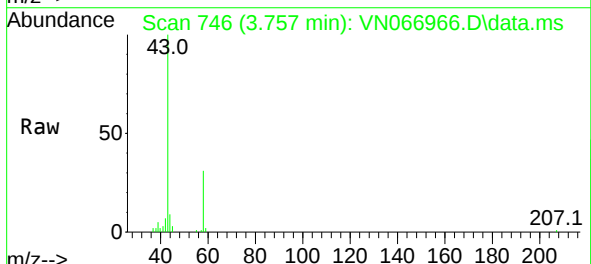


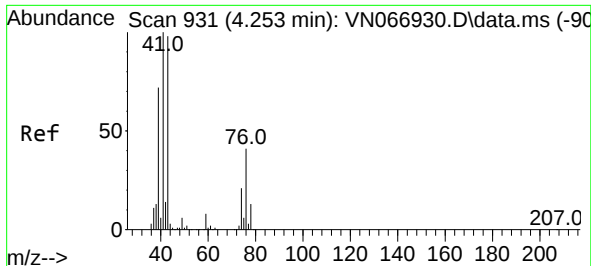
Tgt Ion: 56 Resp: 1152
Ion Ratio Lower Upper
56 100
55 83.2 56.0 84.0



#16
Acetone
Concen: 22.08 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

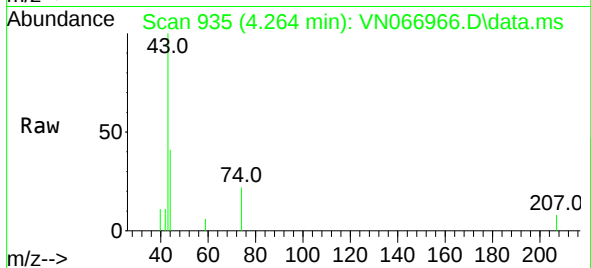
Tgt Ion: 43 Resp: 55386
Ion Ratio Lower Upper
43 100
58 31.6 27.0 40.6



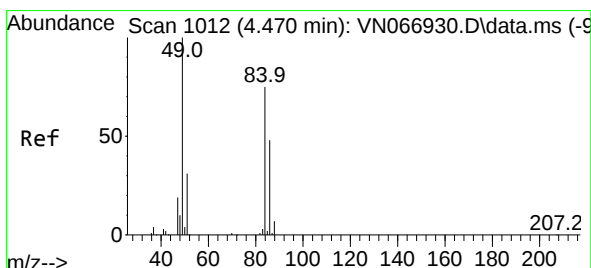
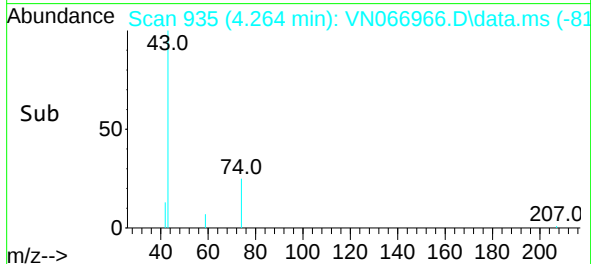
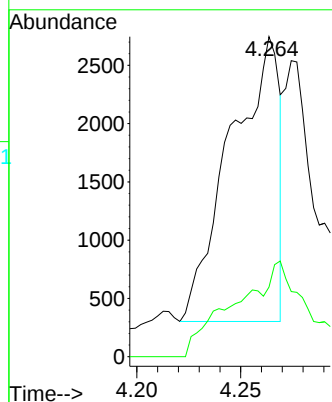


#18
Methyl Acetate
Concen: 0.56 ug/l
RT: 4.264 min Scan# 935
Delta R.T. 0.011 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

Instrument :
MSVOA_N
ClientSampleId :

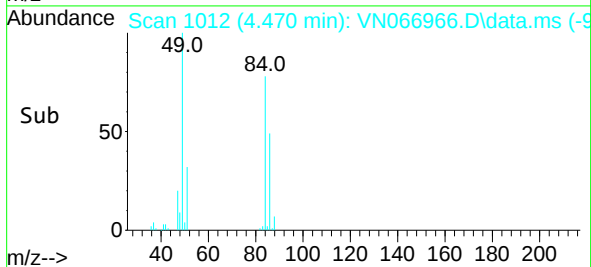
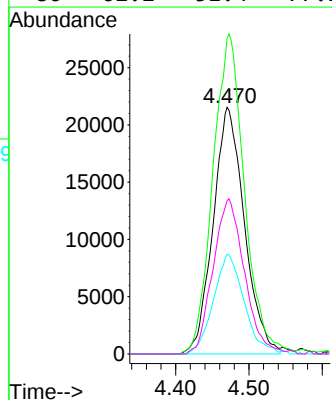
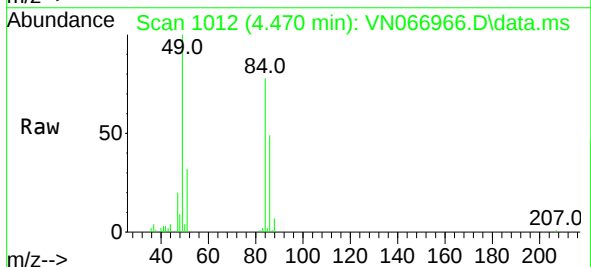


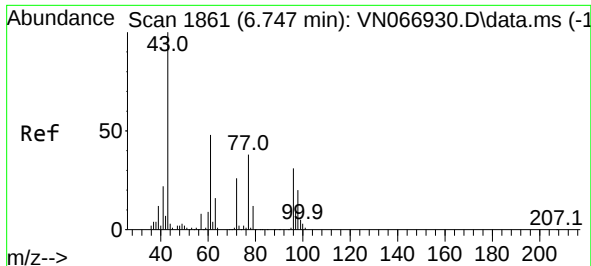
Tgt Ion: 43 Resp: 3992
Ion Ratio Lower Upper
43 100
74 48.0 19.5 29.3#



#20
Methylene Chloride
Concen: 10.02 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

Tgt Ion: 84 Resp: 63788
Ion Ratio Lower Upper
84 100
49 127.9 94.6 141.8
51 40.5 29.9 44.9
86 62.2 51.4 77.2

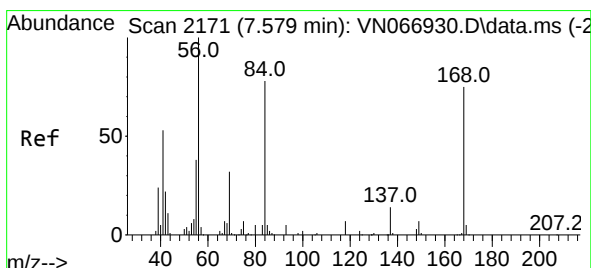
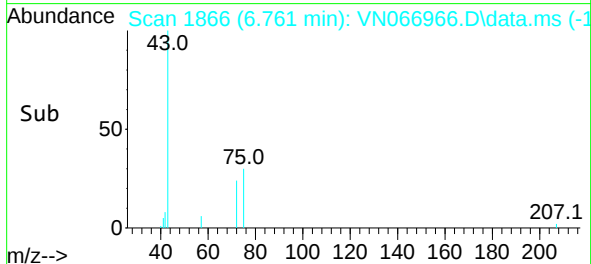
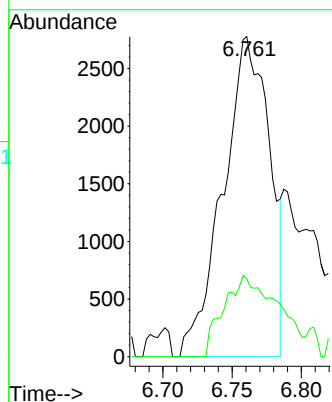
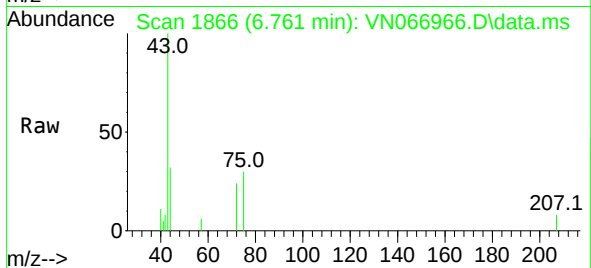




#25
2-Butanone
Concen: 1.75 ug/l
RT: 6.761 min Scan# 1866
Delta R.T. 0.014 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

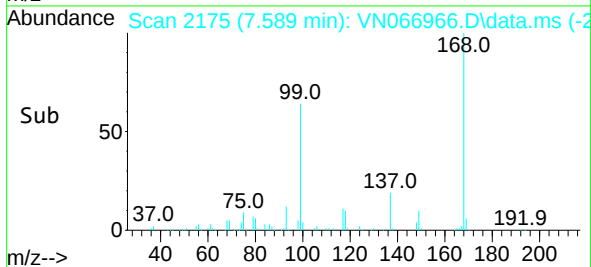
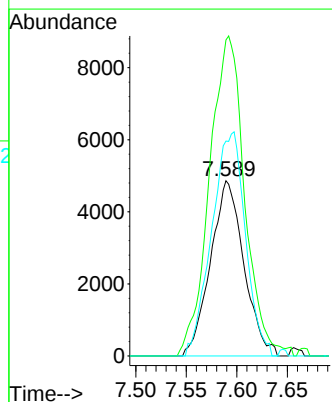
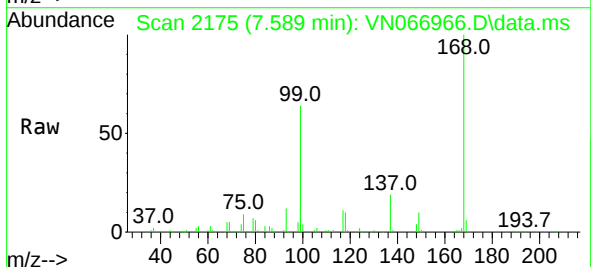
Instrument :
MSVOA_N
ClientSampled :

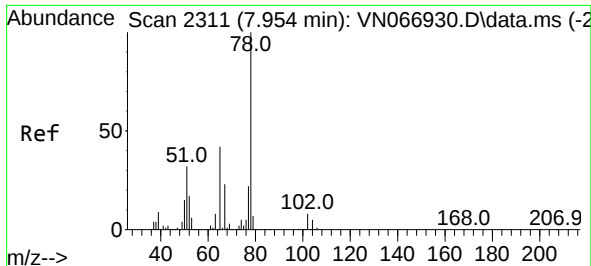
Tgt Ion: 43 Resp: 6480
Ion Ratio Lower Upper
43 100
72 24.4 23.1 34.7



#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. 0.010 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

Tgt Ion: 56 Resp: 11165
Ion Ratio Lower Upper
56 100
69 177.1 26.6 39.8#
84 122.6 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 53.97 ug/l

RT: 7.954 min Scan# 2311

Delta R.T. 0.000 min

Lab File: VN066966.D

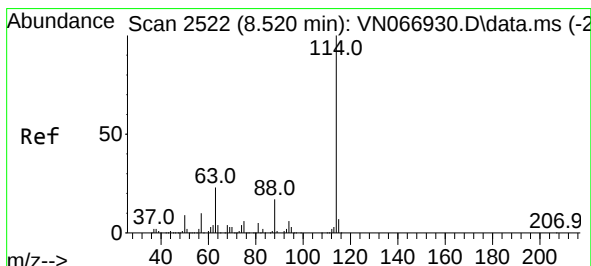
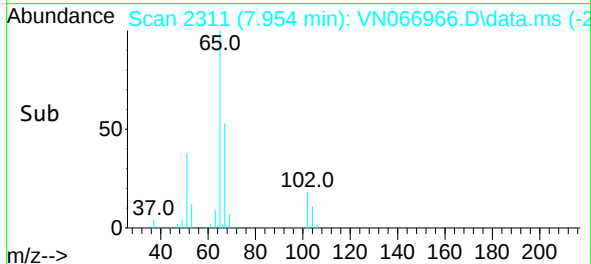
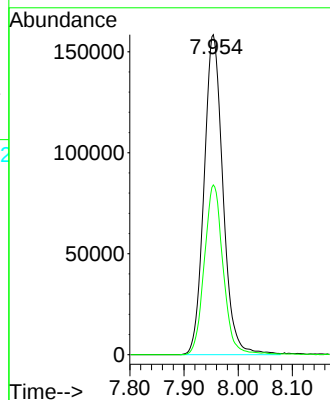
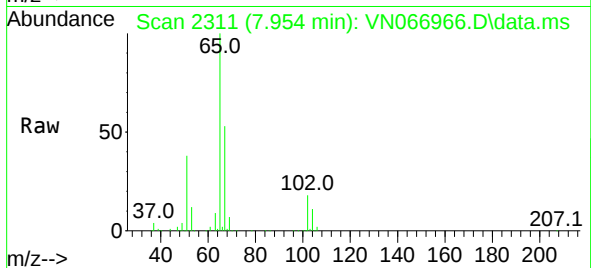
Acq: 5 May 2021 4:21

Tgt Ion: 65 Resp: 384842

Ion Ratio Lower Upper

65 100

67 52.5 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: VN066966.D

Acq: 5 May 2021 4:21

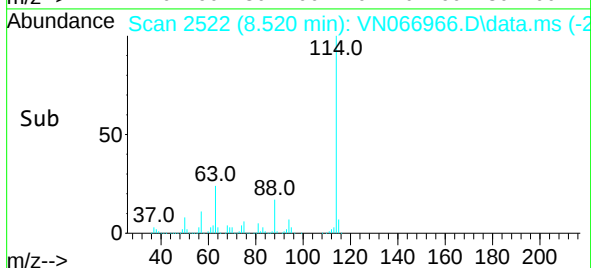
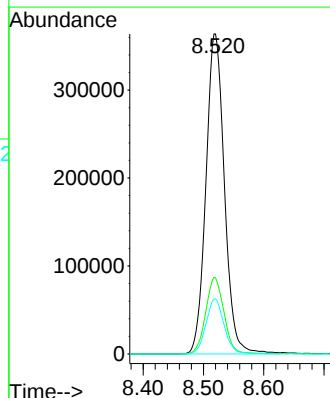
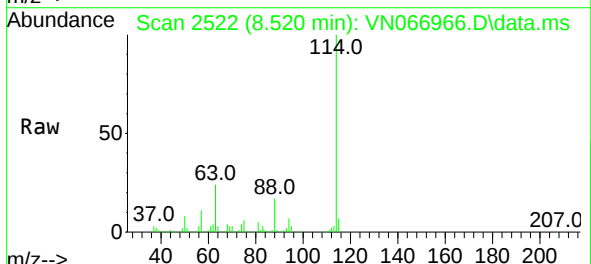
Tgt Ion: 114 Resp: 776010

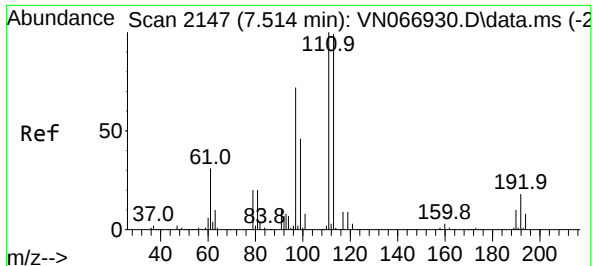
Ion Ratio Lower Upper

114 100

63 23.7 0.0 38.6

88 17.2 0.0 30.6

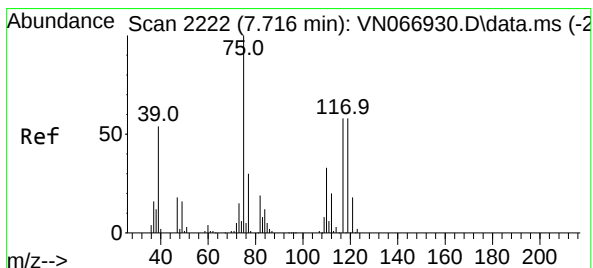
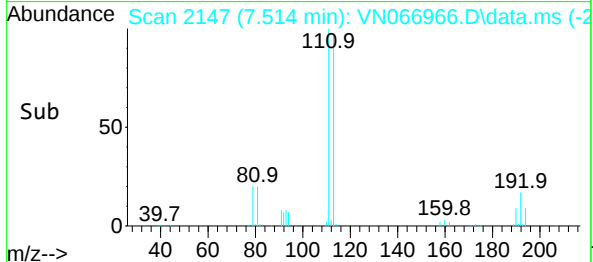
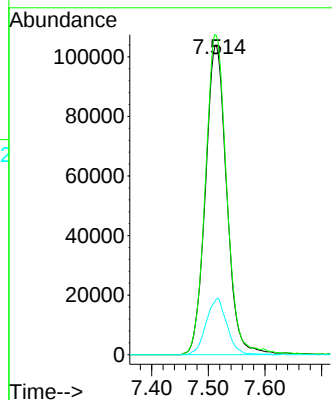
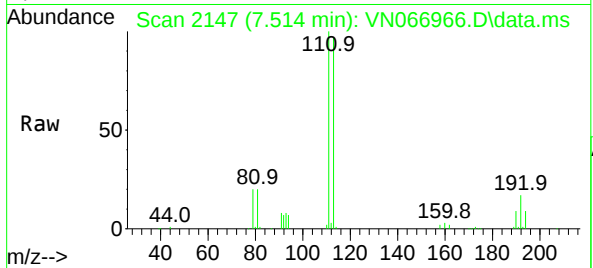




#35
Dibromofluoromethane
Concen: 51.47 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

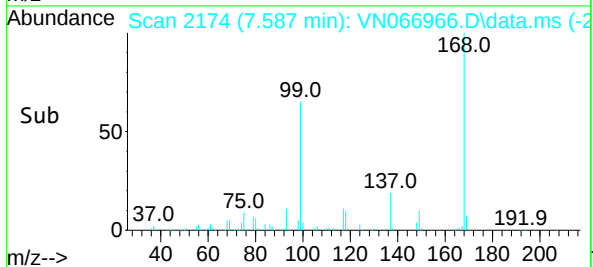
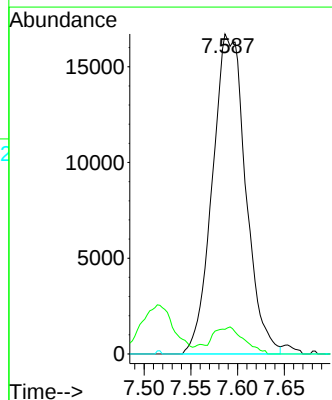
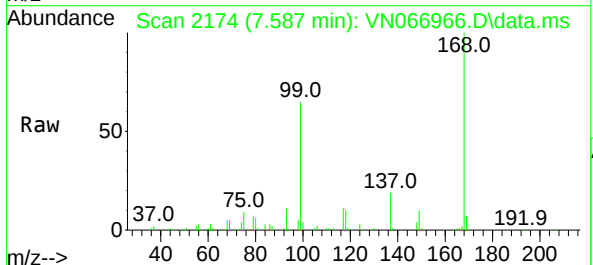
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MSVOA_N
ClientSampled :

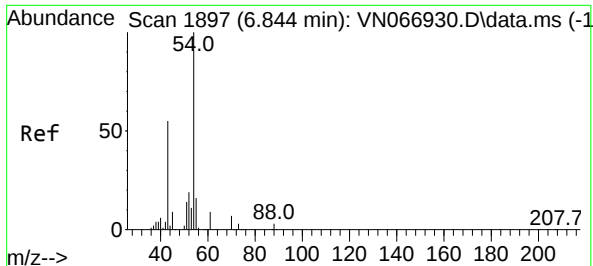
Tgt Ion:113 Resp: 271219
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 17.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.11 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.129 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

Tgt Ion: 75 Resp: 41264
Ion Ratio Lower Upper
75 100
110 7.6 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.79 ug/l

RT: 6.761 min Scan# 1866

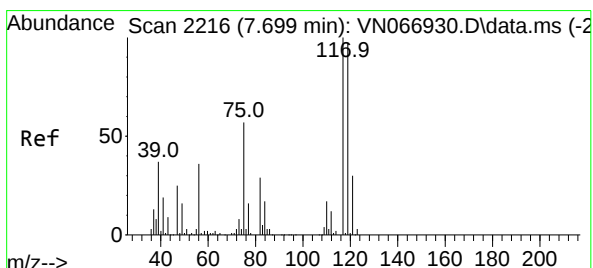
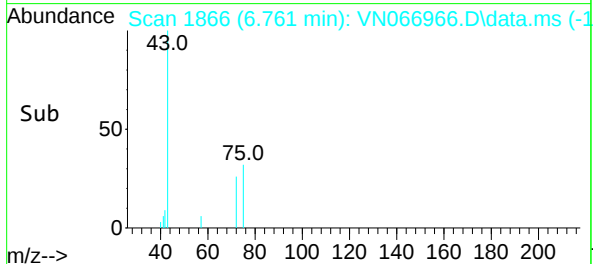
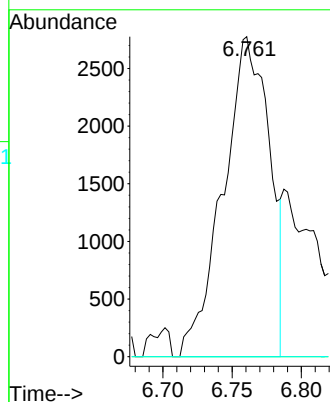
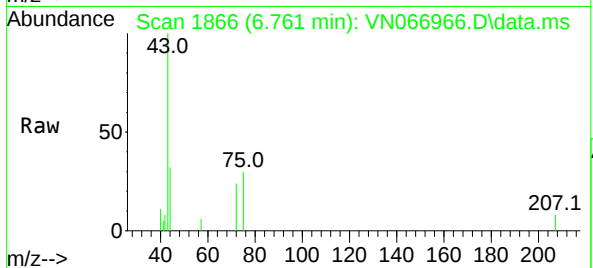
Delta R.T. -0.083 min

Lab File: VN066966.D

Acq: 5 May 2021 4:21

Tgt Ion:	43	Resp:	6480
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.67 ug/l

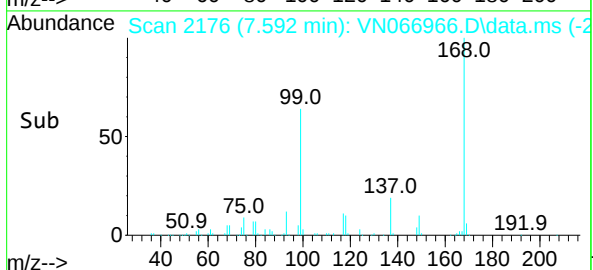
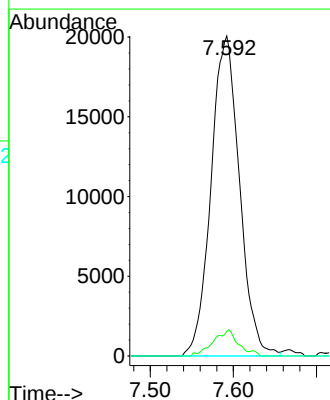
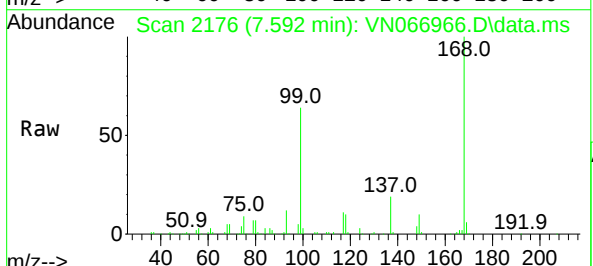
RT: 7.592 min Scan# 2176

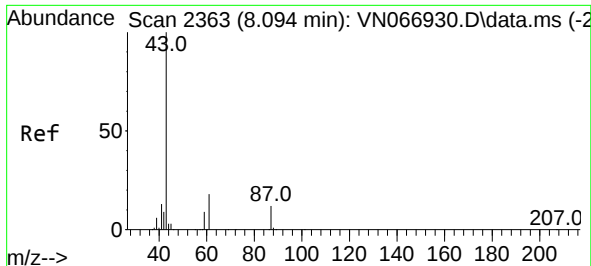
Delta R.T. -0.107 min

Lab File: VN066966.D

Acq: 5 May 2021 4:21

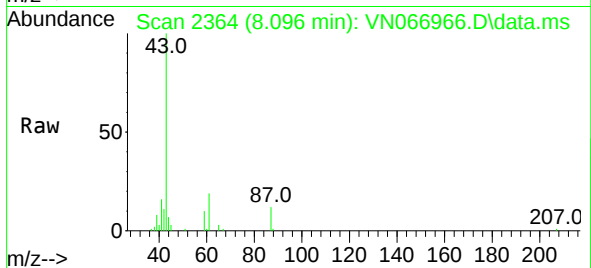
Tgt Ion:	117	Resp:	47792
Ion	Ratio	Lower	Upper
117	100		
119	7.7	76.0	114.0#
121	0.0	24.5	36.7#



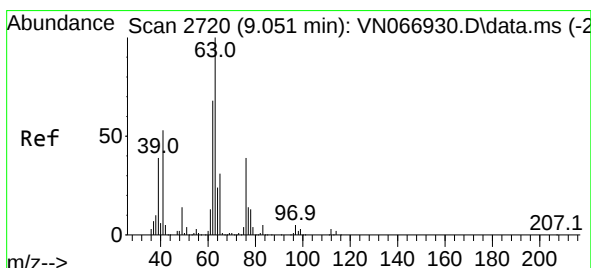
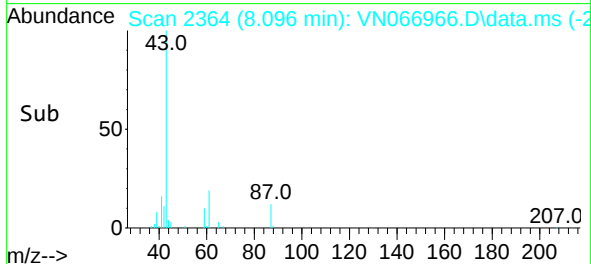
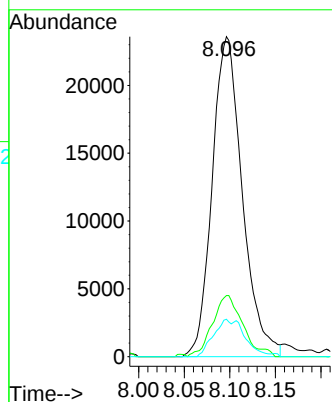


#43
Isopropyl Acetate
Concen: 4.05 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

Instrument :
MSVOA_N
ClientSampled :

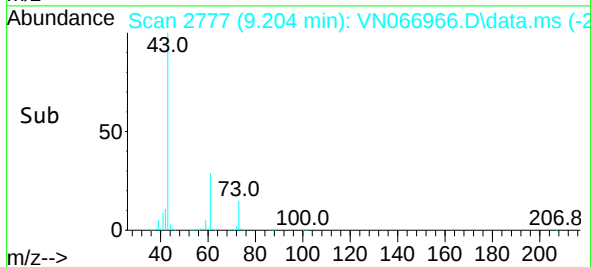
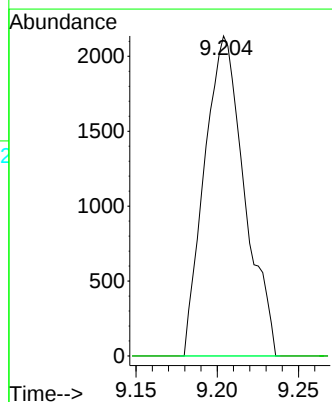
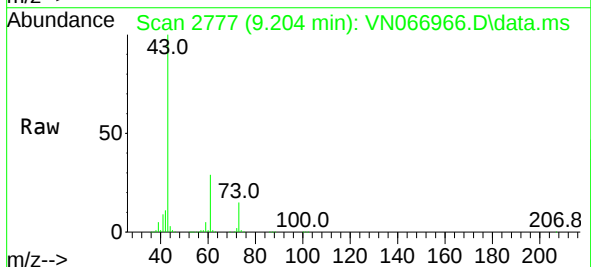


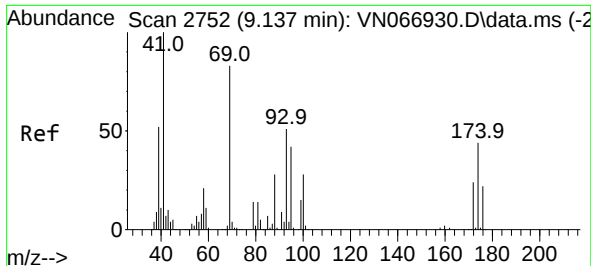
Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.2	22.5	33.7#
87	6.9	11.1	16.7#



#45
1,2-Dichloropropane
Concen: 0.52 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.153 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

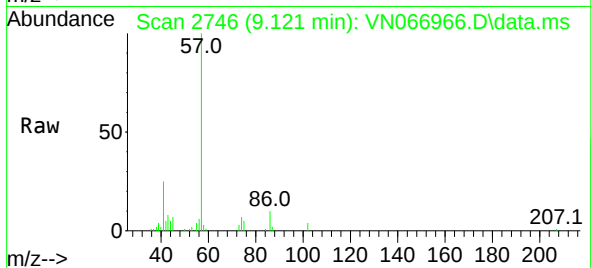
Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#



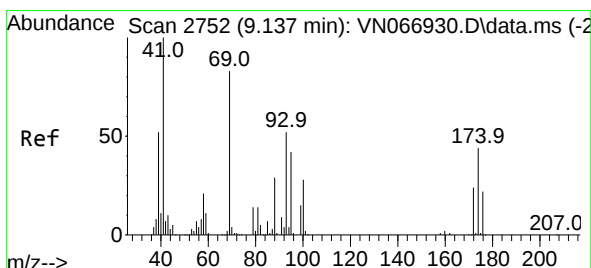
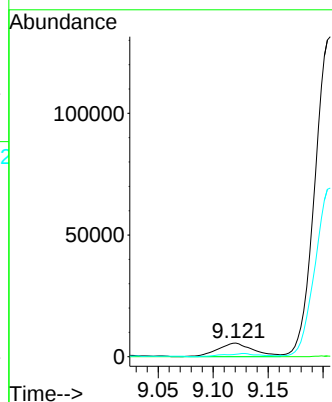
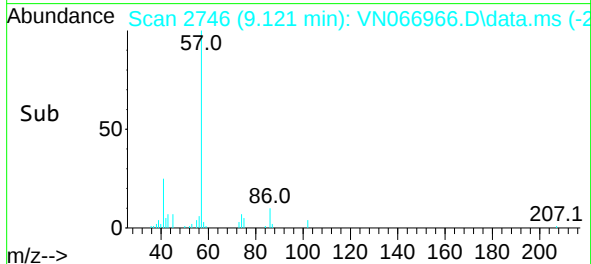


#48
Methyl methacrylate
Concen: 2.14 ug/l
RT: 9.121 min Scan# 2746
Delta R.T. -0.016 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

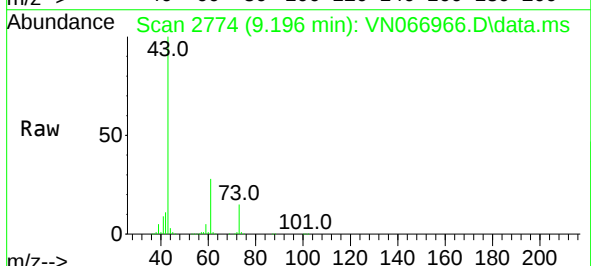
Instrument :
MSVOA_N
ClientSampled :



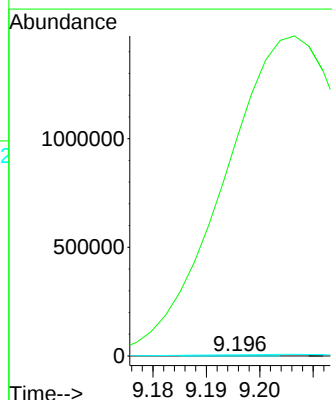
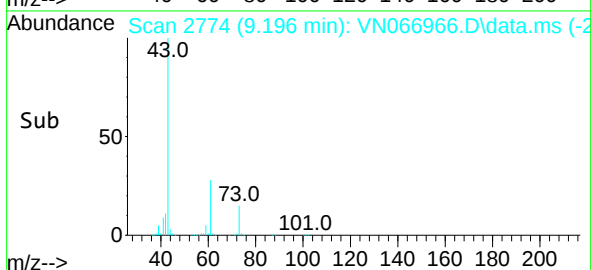
Tgt Ion: 41 Resp: 12705
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

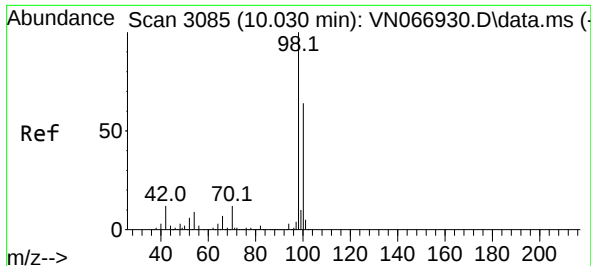


#49
1,4-Dioxane
Concen: 1.87 ug/l
RT: 9.196 min Scan# 2774
Delta R.T. 0.059 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21



Tgt Ion: 88 Resp: 176
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 0.0 52.6 78.8#

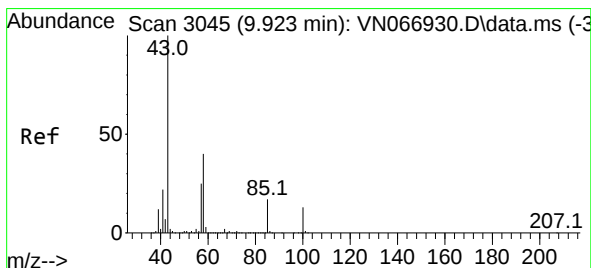
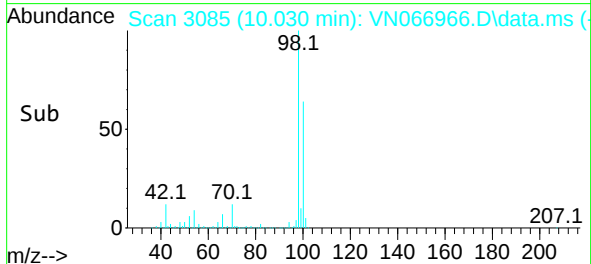
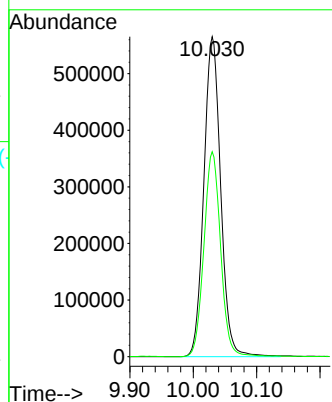
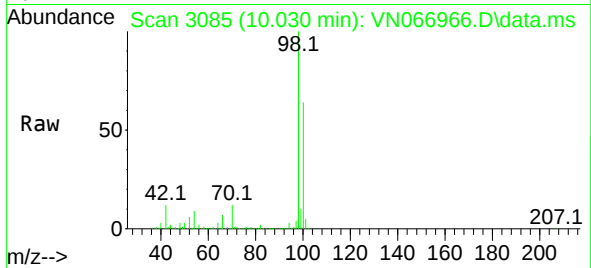




#50
Toluene-d8
Concen: 51.99 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

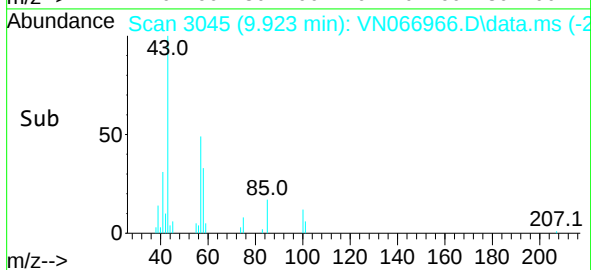
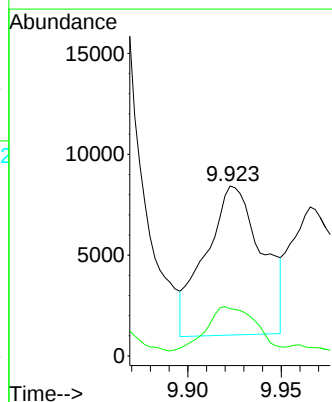
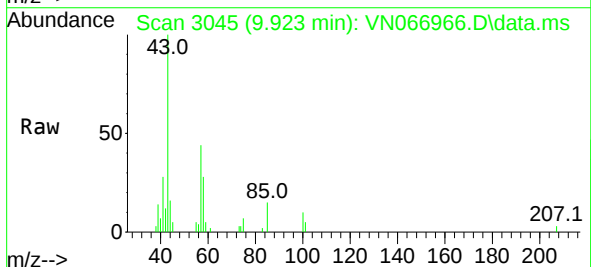
Instrument :
MSVOA_N
ClientSampled :

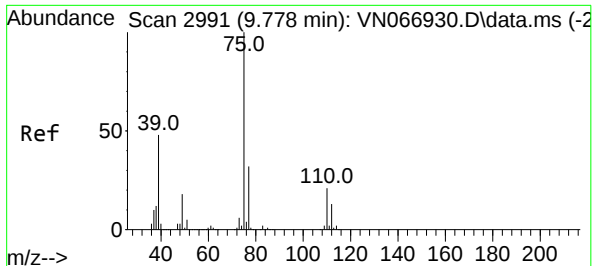
Tgt Ion: 98 Resp: 1043276
Ion Ratio Lower Upper
98 100
100 63.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 2.00 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

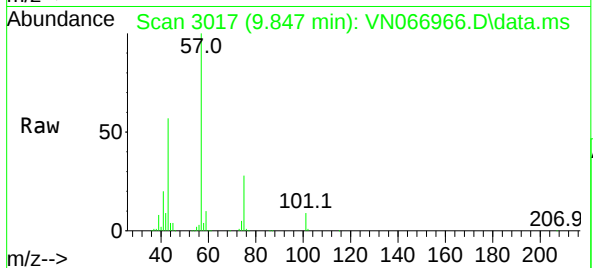
Tgt Ion: 43 Resp: 15446
Ion Ratio Lower Upper
43 100
58 26.0 32.5 48.7#



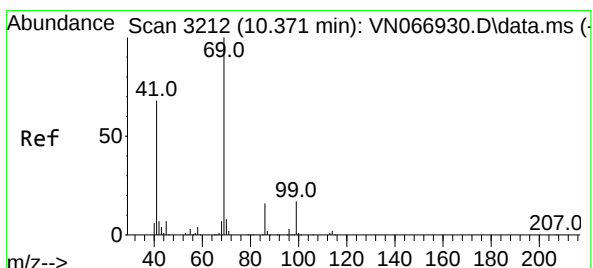
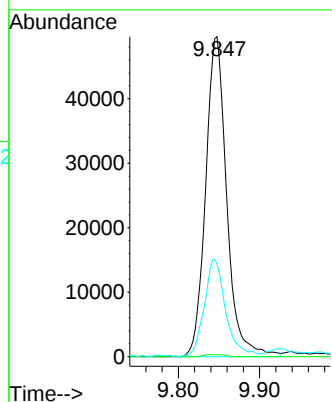
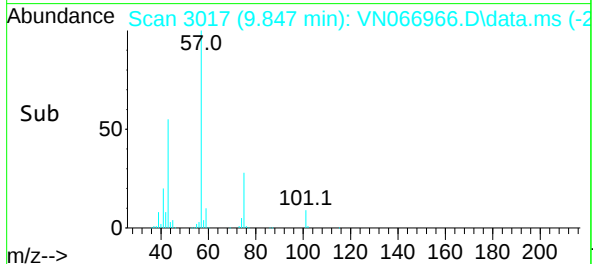


#54
cis-1,3-Dichloropropene
Concen: 8.40 ug/l
RT: 9.847 min Scan# 3017
Delta R.T. 0.069 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

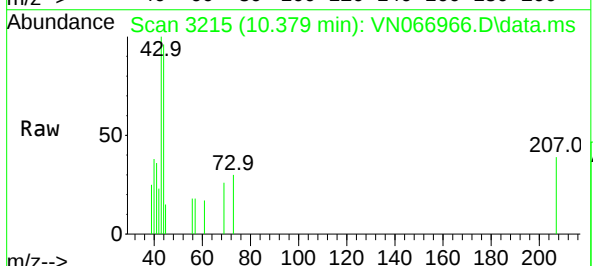
Instrument :
MSVOA_N
ClientSampled :



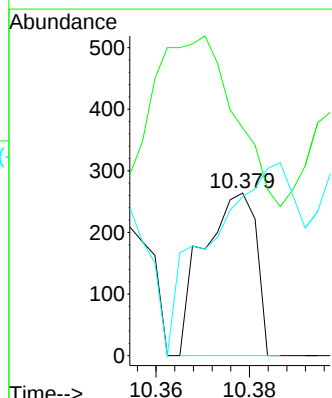
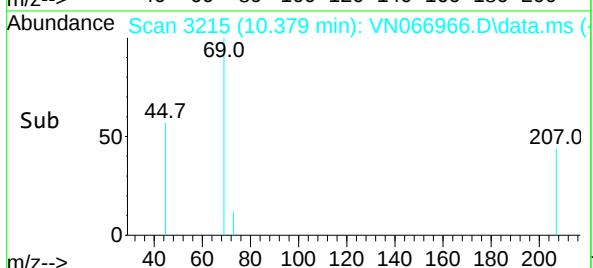
Tgt Ion: 75 Resp: 89421
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 29.1 36.2 54.4#

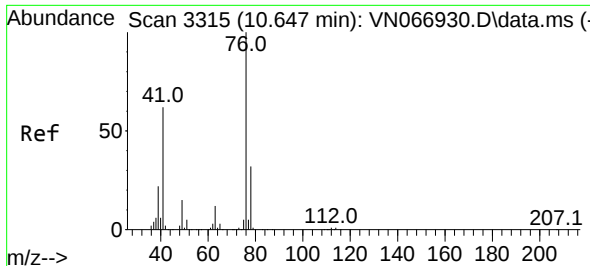


#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.379 min Scan# 3215
Delta R.T. 0.008 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21



Tgt Ion: 69 Resp: 208
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

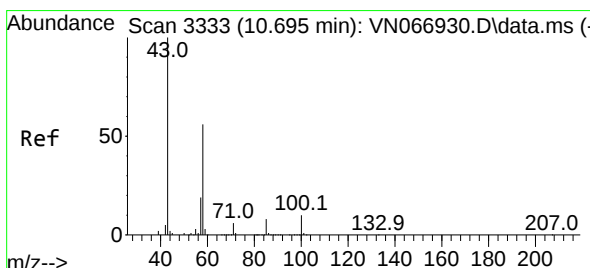
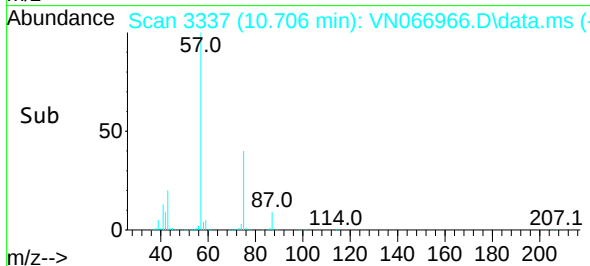
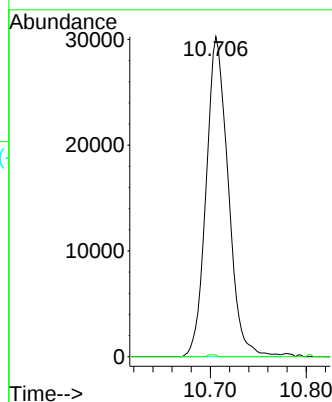
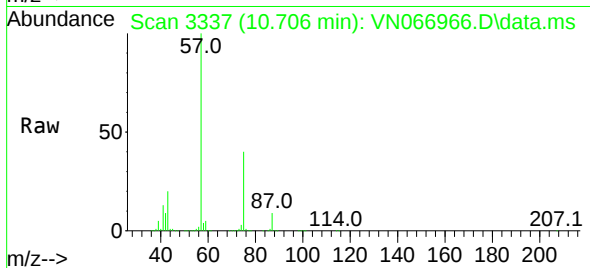




#57
1,3-Dichloropropane
Concen: 4.62 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

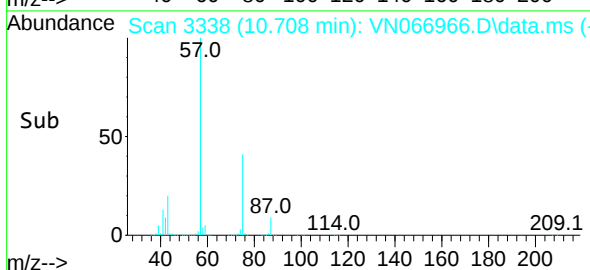
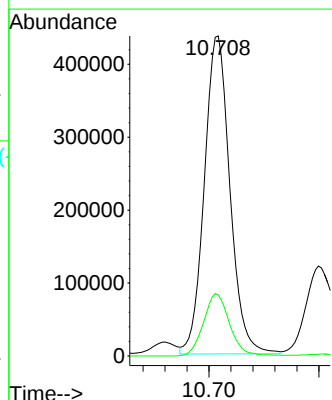
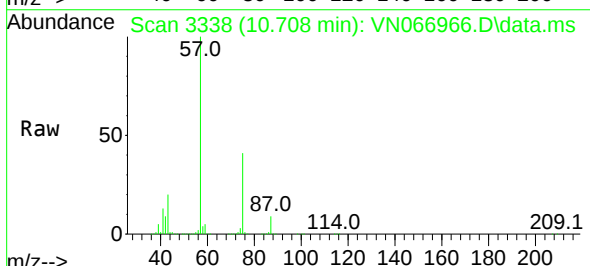
Instrument :
MSVOA_N
ClientSampled :

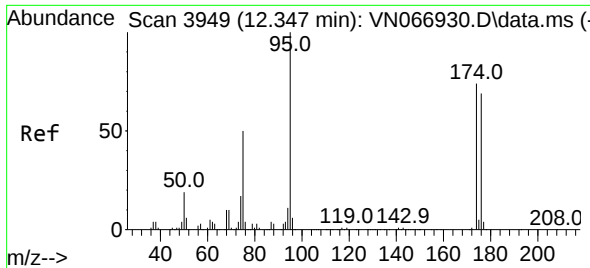
Tgt Ion: 76 Resp: 48410
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 139.07 ug/l
RT: 10.708 min Scan# 3338
Delta R.T. 0.013 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

Tgt Ion: 43 Resp: 705319
Ion Ratio Lower Upper
43 100
58 20.0 28.1 84.3#

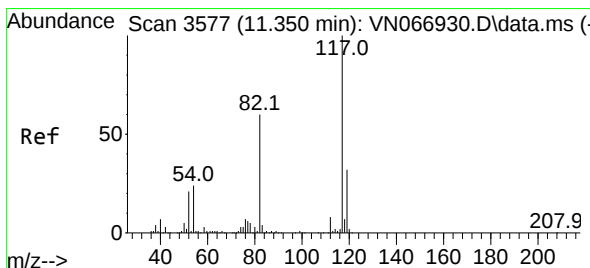
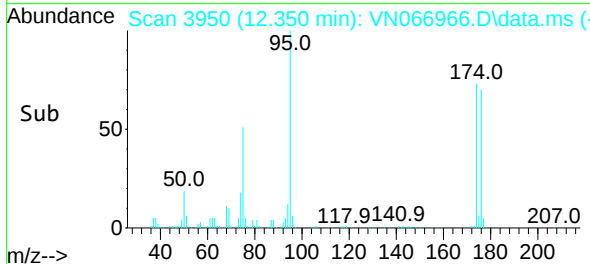
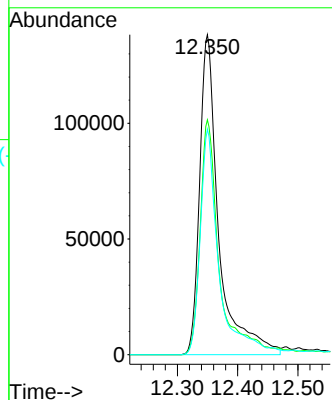
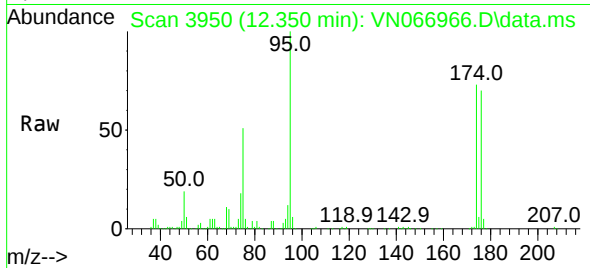




#62
4-Bromofluorobenzene
Concen: 44.89 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

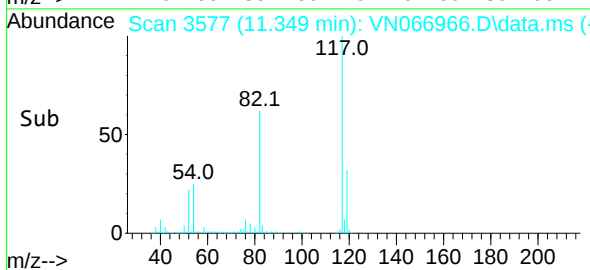
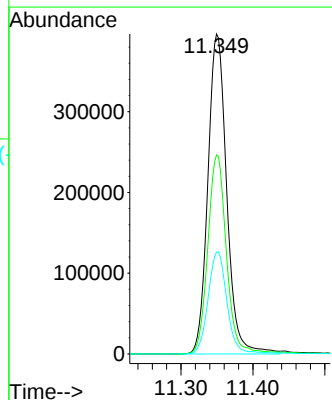
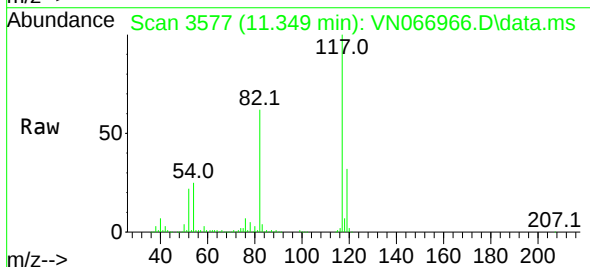
Instrument :
MSVOA_N
ClientSampled :

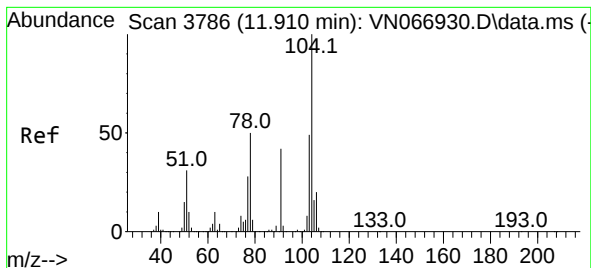
Tgt Ion: 95 Resp: 305027
Ion Ratio Lower Upper
95 100
174 72.8 0.0 169.0
176 67.6 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3577
Delta R.T. -0.001 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

Tgt Ion: 117 Resp: 723483
Ion Ratio Lower Upper
117 100
82 62.2 43.7 65.5
119 31.8 26.1 39.1





#70

Styrene

Concen: 4.72 ug/l

RT: 11.937 min Scan# 3796

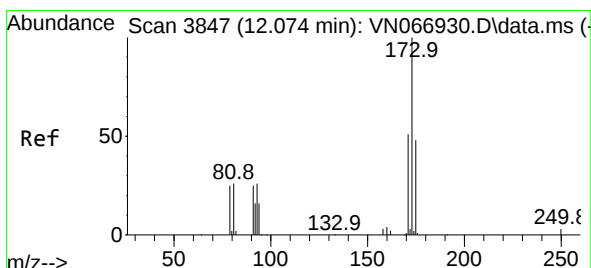
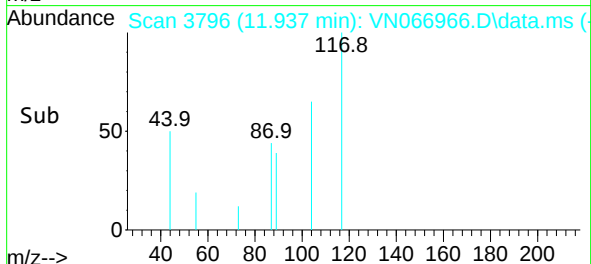
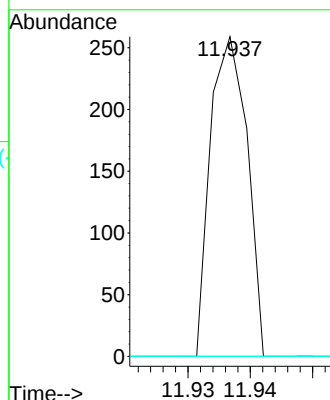
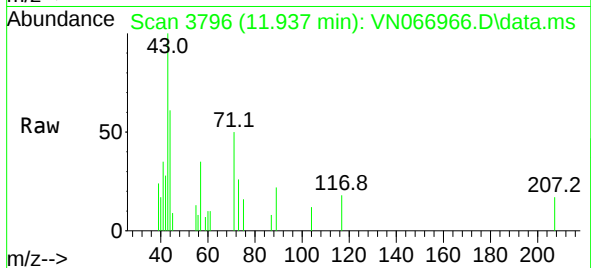
Delta R.T. 0.027 min

Lab File: VN066966.D

Acq: 5 May 2021 4:21

Tgt Ion:	104	Resp:	106
Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.0	58.4#
103	0.0	44.5	66.7#

Instrument :
MSVOA_N
ClientSampled :



#71

Bromoform

Concen: 0.52 ug/l

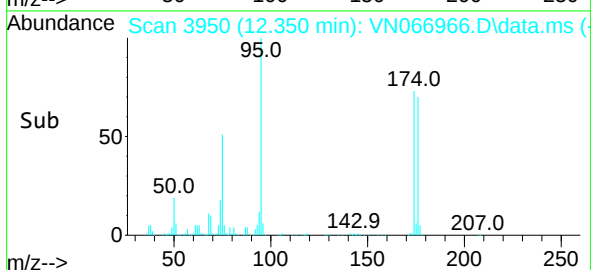
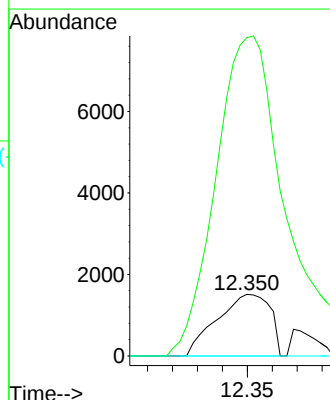
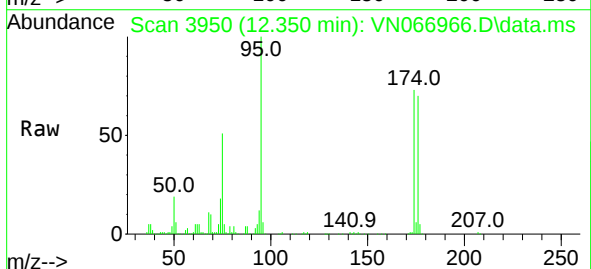
RT: 12.350 min Scan# 3950

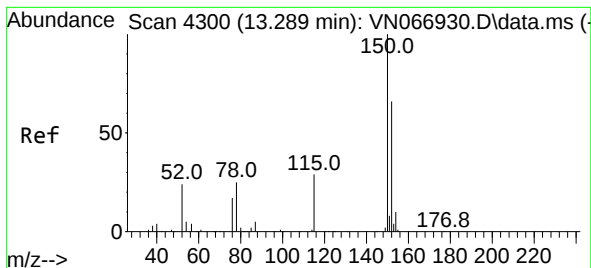
Delta R.T. 0.276 min

Lab File: VN066966.D

Acq: 5 May 2021 4:21

Tgt Ion:	173	Resp:	2238
Ion	Ratio	Lower	Upper
173	100		
175	551.3	23.8	71.2#
254	0.0	0.0	0.0

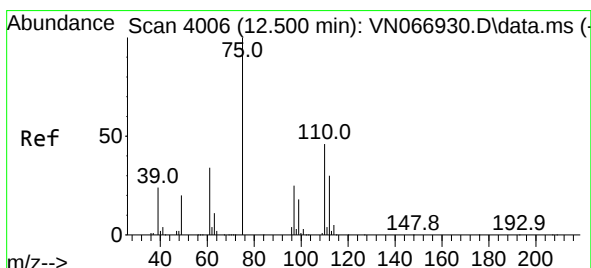
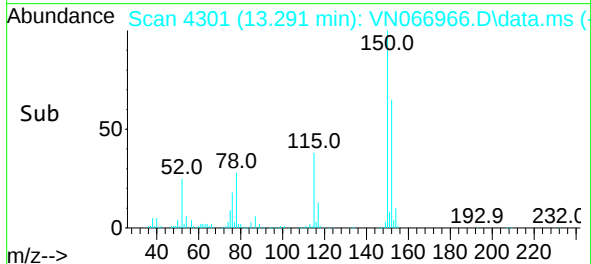
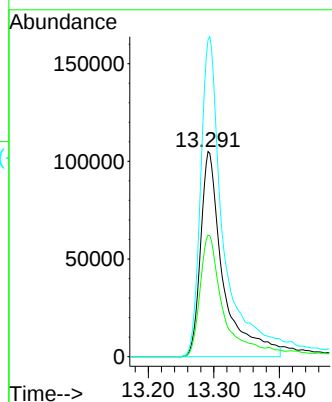
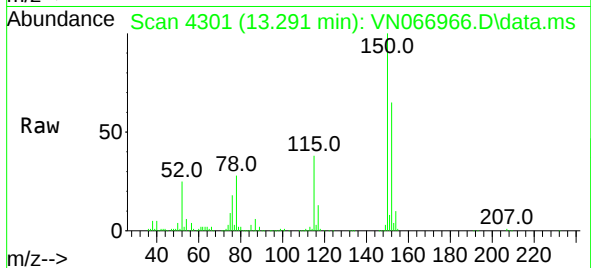




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

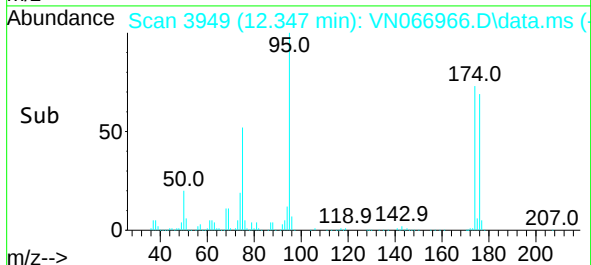
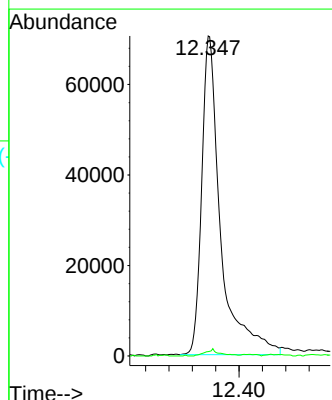
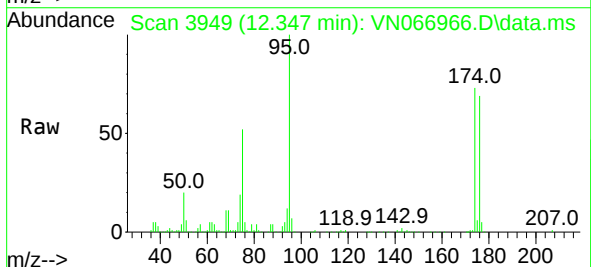
Instrument :
MSVOA_N
ClientSampleId :

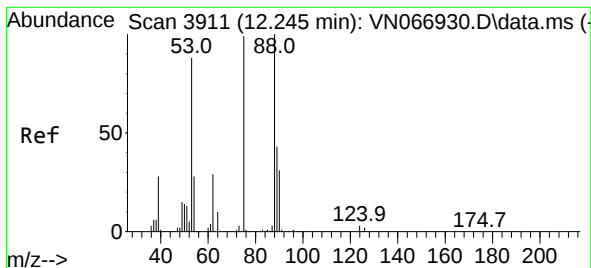
Tgt Ion:152 Resp: 251151
Ion Ratio Lower Upper
152 100
115 59.6 28.5 85.6
150 158.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 26.55 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. -0.153 min
Lab File: VN066966.D
Acq: 5 May 2021 4:21

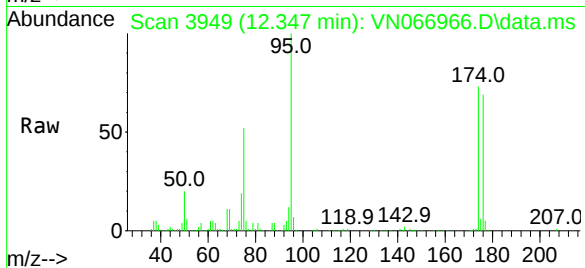
Tgt Ion: 75 Resp: 158870
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



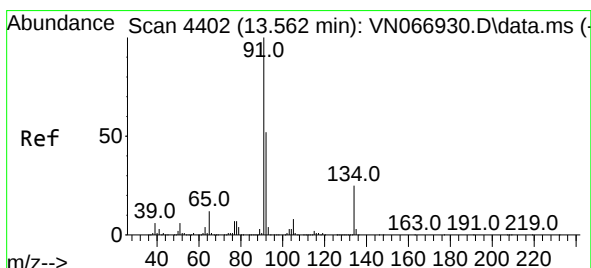
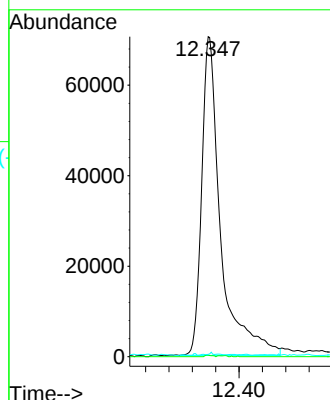
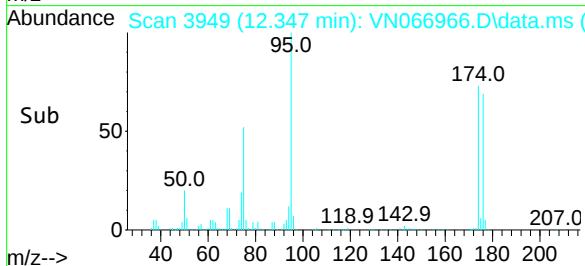


#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.56 ug/l
 RT: 12.347 min Scan# 3949
 Delta R.T. 0.102 min
 Lab File: VN066966.D
 Acq: 5 May 2021 4:21

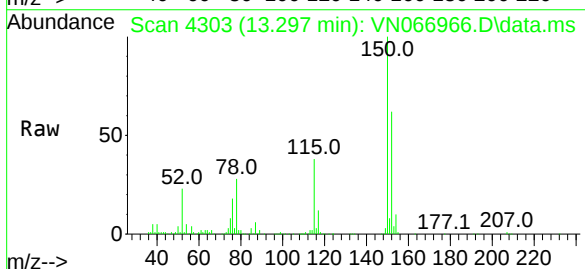
Instrument :
 MSVOA_N
 ClientSampled :



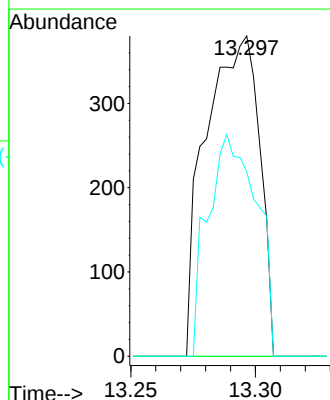
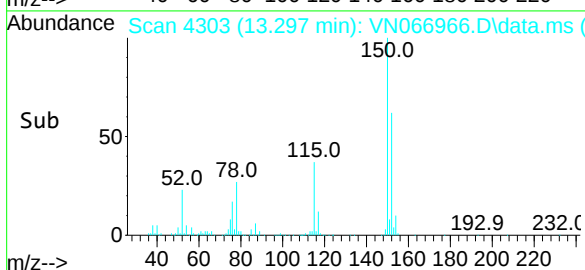
Tgt Ion: 75 Resp: 158870
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 111.8#
 89 0.1 35.8 53.8#

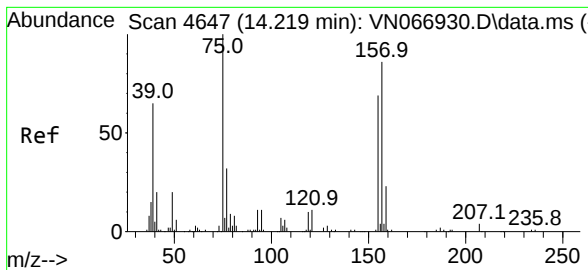


#89
 n-Butylbenzene
 Concen: 5.28 ug/l
 RT: 13.297 min Scan# 4303
 Delta R.T. -0.265 min
 Lab File: VN066966.D
 Acq: 5 May 2021 4:21



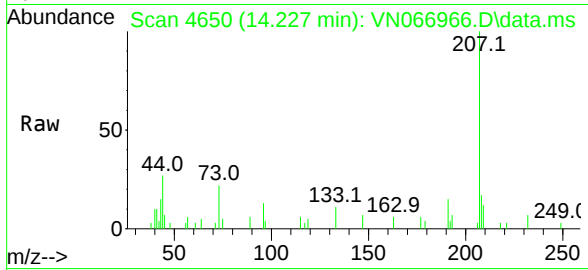
Tgt Ion: 91 Resp: 568
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.1 78.3#
 134 63.0 13.0 38.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.26 ug/l
 RT: 14.227 min Scan# 4650
 Delta R.T. 0.008 min
 Lab File: VN066966.D
 Acq: 5 May 2021 4:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	316
Ion Ratio	Lower	Upper	
75	100		
155	0.0	44.1	132.4#
157	0.0	56.0	168.2#

