

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031021\
 Data File : VN066172.D
 Acq On : 10 Mar 2021 17:48
 Operator : JC/MD
 Sample : M1603-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 11 01:35:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 09 14:48:21 2021
 Response via : Initial Calibration

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

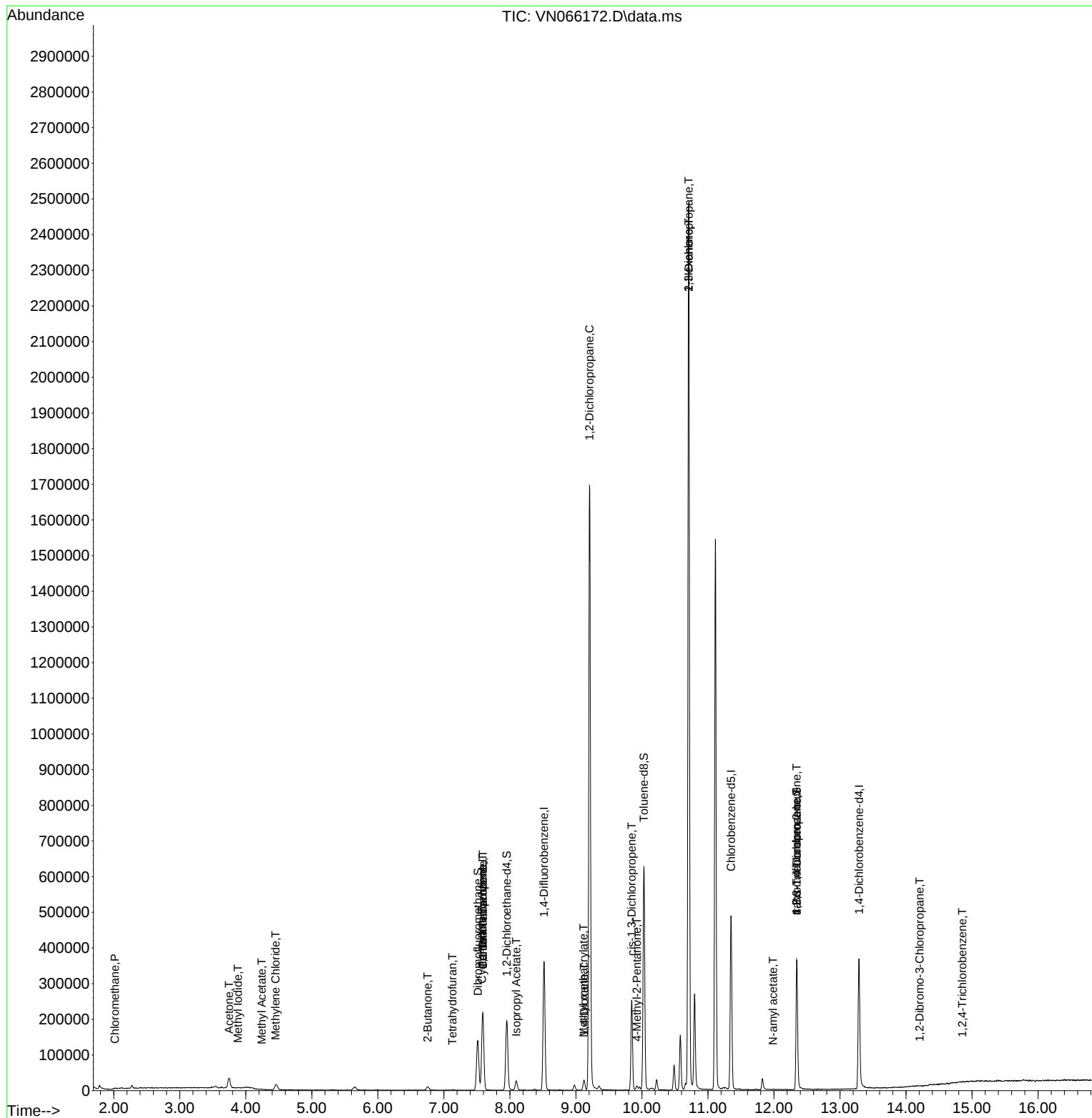
Internal Standards						
1) Pentafluorobenzene	7.590	168	165348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.518	114	280652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	252834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	99918	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	173394	55.57	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 111.14%		
35) Dibromofluoromethane	7.515	113	104632	54.65	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 109.30%		
50) Toluene-d8	10.030	98	394266	52.34	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 104.68%		
62) 4-Bromofluorobenzene	12.345	95	128027	45.65	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 91.30%		
Target Compounds						
						Qvalue
3) Chloromethane	2.017	50	1313	0.35	ug/l	92
10) Methyl Iodide	3.878	142	24	2.69	ug/l #	43
13) Acrolein	3.543	56	3798	Below Cal		93
16) Acetone	3.747	43	45587	28.92	ug/l #	84
18) Methyl Acetate	4.240	43	817	0.21	ug/l #	51
20) Methylene Chloride	4.452	84	8936	3.85	ug/l #	80
25) 2-Butanone	6.756	43	8854	3.62	ug/l #	85
29) Tetrahydrofuran	7.131	42	695	0.41	ug/l #	38
31) Cyclohexane	7.579	56	1937	0.43	ug/l #	32
36) 1,1-Dichloropropene	7.590	75	15073	4.72	ug/l #	44
38) Carbon Tetrachloride	7.592	117	16535	5.95	ug/l #	16
43) Isopropyl Acetate	8.099	43	32664	4.13	ug/l #	81
45) 1,2-Dichloropropane	9.207	63	1918	0.68	ug/l #	44
48) Methyl methacrylate	9.116	41	7629	1.97	ug/l #	10
49) 1,4-Dioxane	9.124	88	51	1.44	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	9295	1.94	ug/l	89
54) cis-1,3-Dichloropropene	9.845	75	38271	8.90	ug/l #	68
57) 1,3-Dichloropropane	10.709	76	21229	5.11	ug/l #	43
59) 2-Hexanone	10.709	43	421274	122.75	ug/l #	45
74) N-amyl acetate	11.986	43	733	3.11	ug/l #	46
76) 1,2,3-Trichloropropane	12.345	75	69552	23.23	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	69552	72.52	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.206	75	260	0.37	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.855	180	279	2.33	ug/l #	40

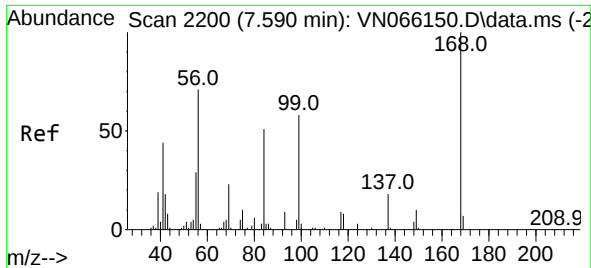
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031021\
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 11 01:35:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030921W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 09 14:48:21 2021
Response via : Initial Calibration

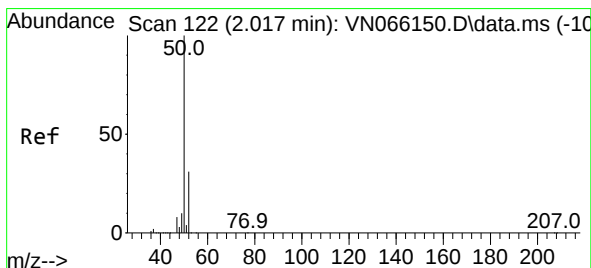
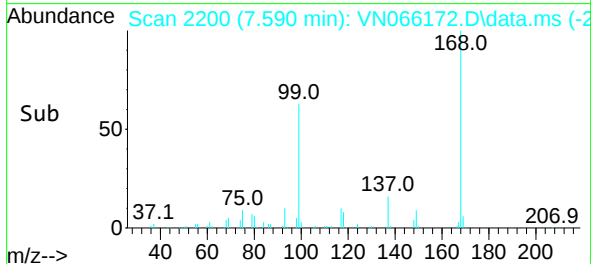
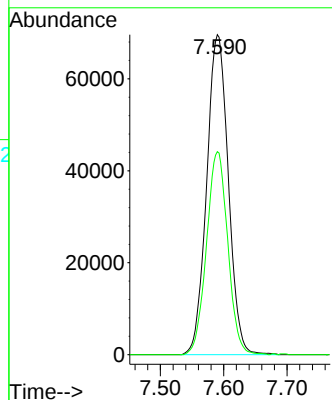
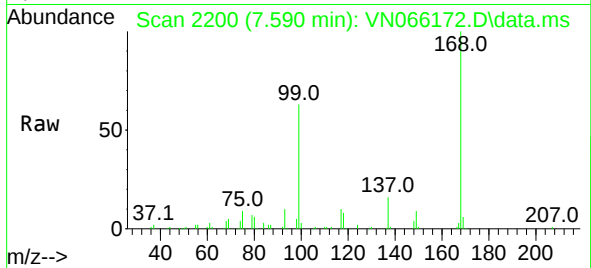




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

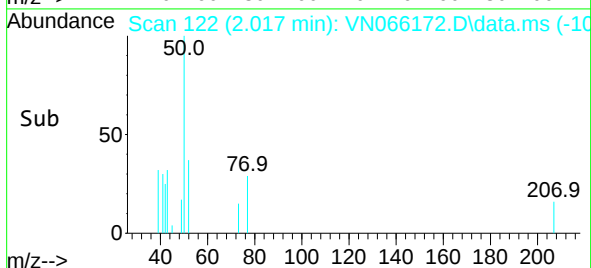
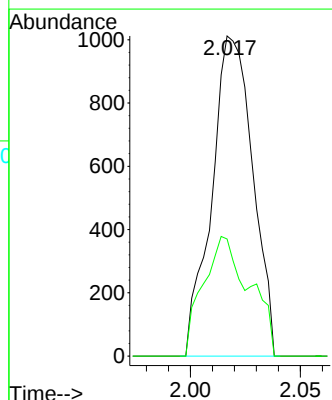
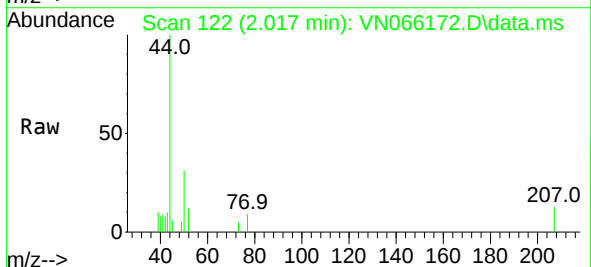
Instrument :
MSVOA_N
ClientSampled :

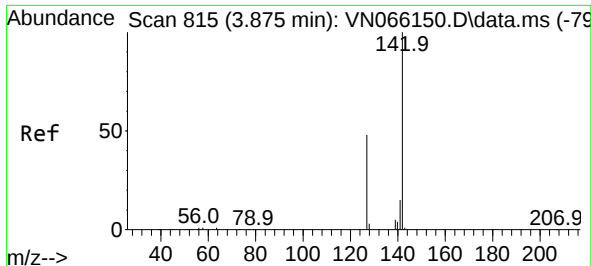
Tgt Ion:168 Resp: 165348
Ion Ratio Lower Upper
168 100
99 63.5 42.6 63.8



#3
Chloromethane
Concen: 0.35 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

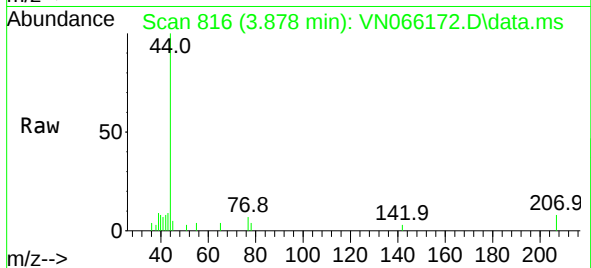
Tgt Ion: 50 Resp: 1313
Ion Ratio Lower Upper
50 100
52 36.6 25.8 38.8



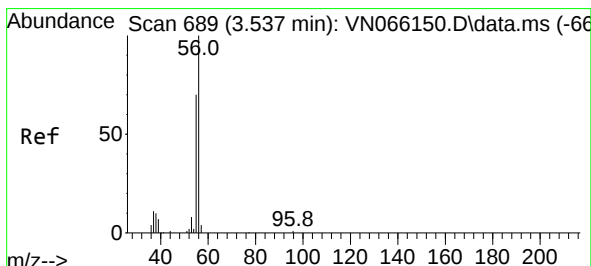
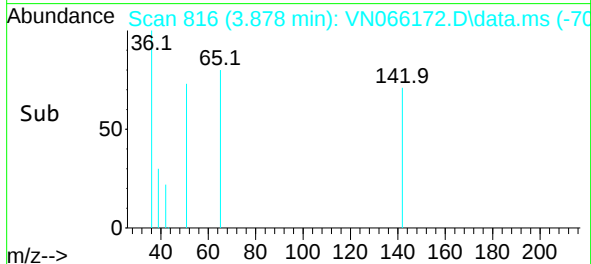
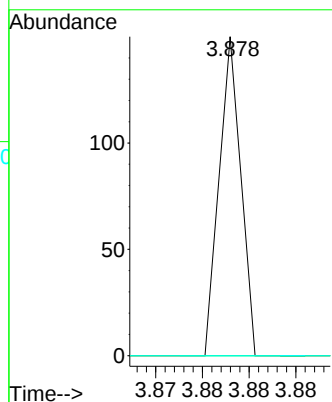


#10
Methyl Iodide
Concen: 2.69 ug/l
RT: 3.878 min Scan# 816
Delta R.T. 0.003 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Instrument :
MSVOA_N
ClientSampled :

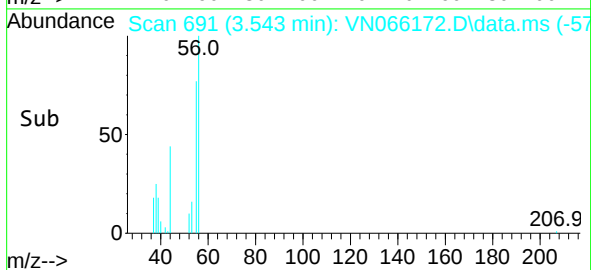
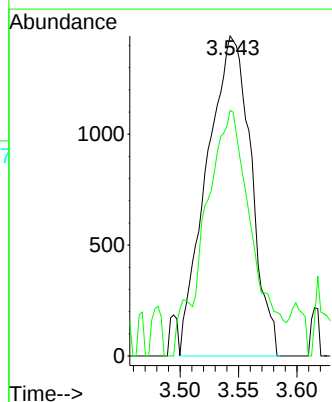
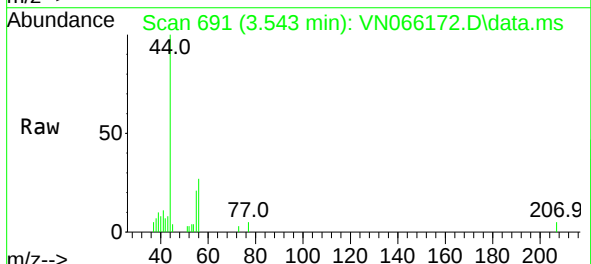


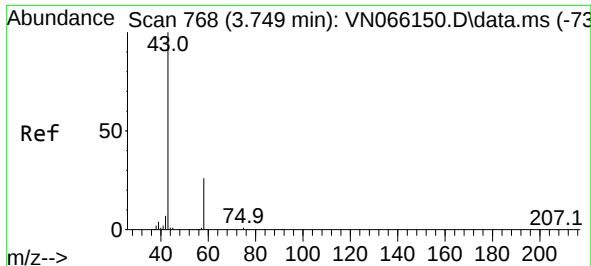
Tgt Ion:142 Resp: 24
Ion Ratio Lower Upper
142 100
127 0.0 31.7 47.5#
141 0.0 10.9 16.3#



#13
Acrolein
Concen: Below Cal
RT: 3.543 min Scan# 691
Delta R.T. 0.006 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Tgt Ion: 56 Resp: 3798
Ion Ratio Lower Upper
56 100
55 75.9 56.0 84.0

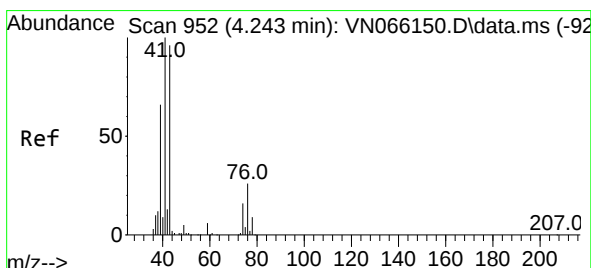
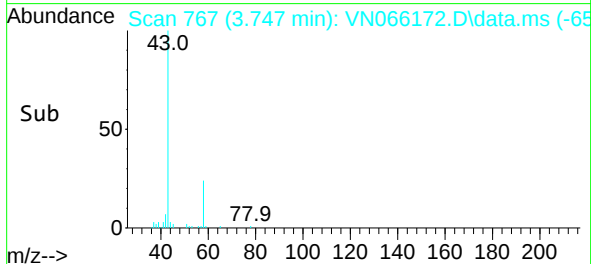
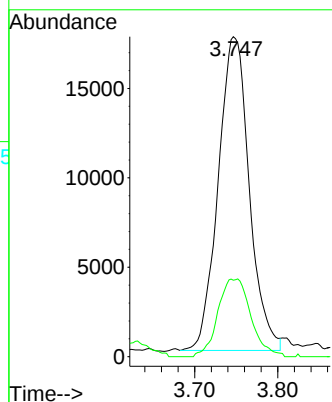
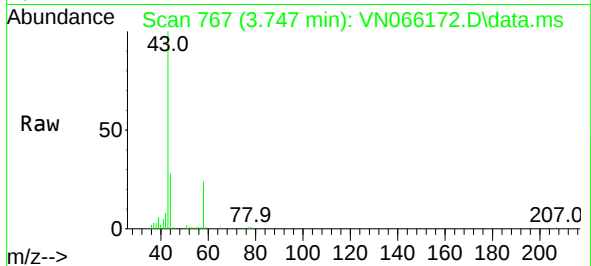




#16
Acetone
Concen: 28.92 ug/l
RT: 3.747 min Scan# 767
Delta R.T. -0.002 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

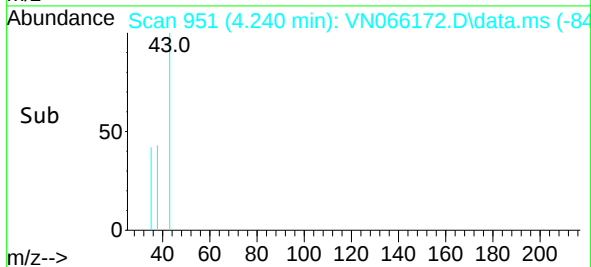
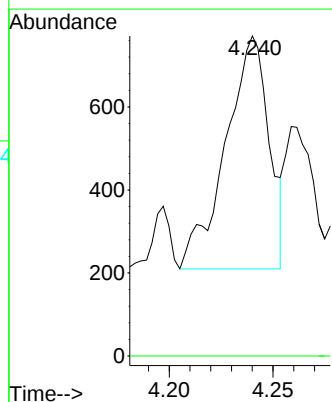
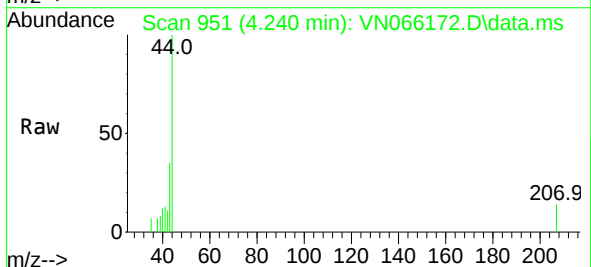
Instrument :
MSVOA_N
ClientSampled :

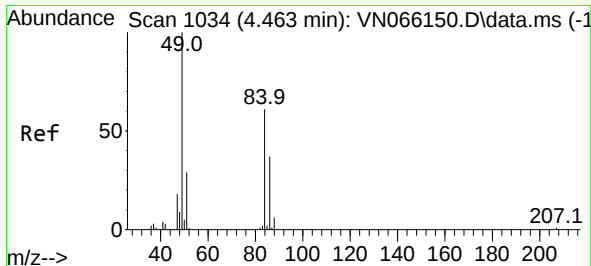
Tgt Ion: 43 Resp: 45587
Ion Ratio Lower Upper
43 100
58 24.4 27.0 40.6#



#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 4.240 min Scan# 951
Delta R.T. -0.003 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#





#20

Methylene Chloride

Concen: 3.85 ug/l

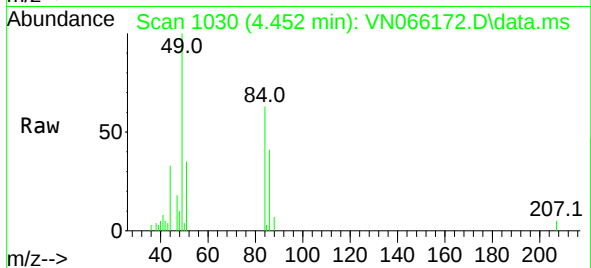
RT: 4.452 min Scan# 1030

Delta R.T. -0.011 min

Lab File: VN066172.D

Acq: 10 Mar 2021 17:48

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 8936

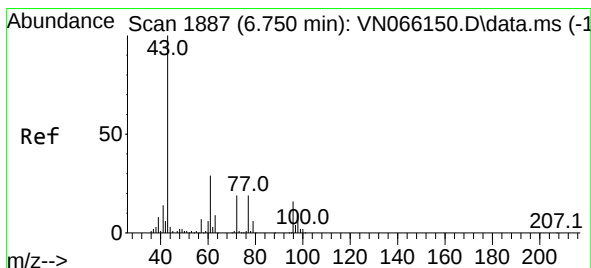
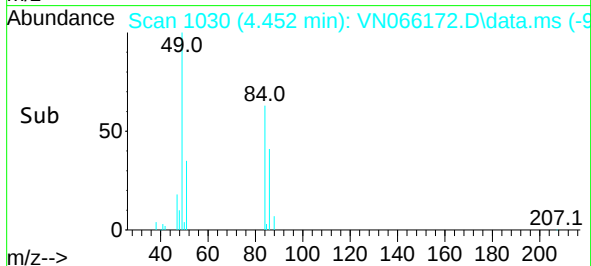
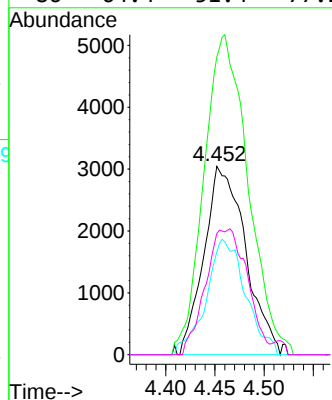
Ion Ratio Lower Upper

84 100

49 148.7 94.6 141.8#

51 54.6 29.9 44.9#

86 64.4 51.4 77.2



#25

2-Butanone

Concen: 3.62 ug/l

RT: 6.756 min Scan# 1889

Delta R.T. 0.006 min

Lab File: VN066172.D

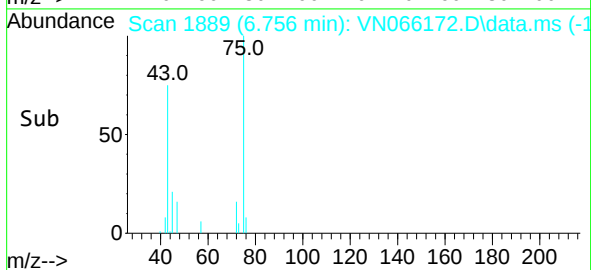
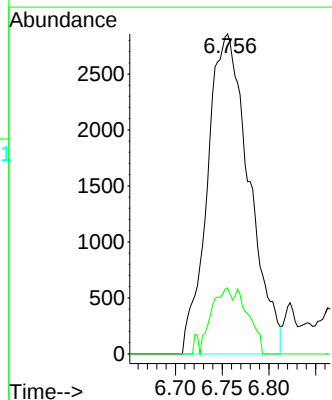
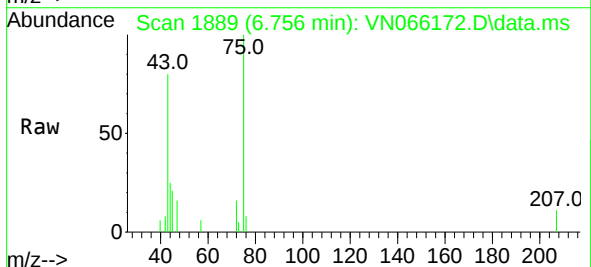
Acq: 10 Mar 2021 17:48

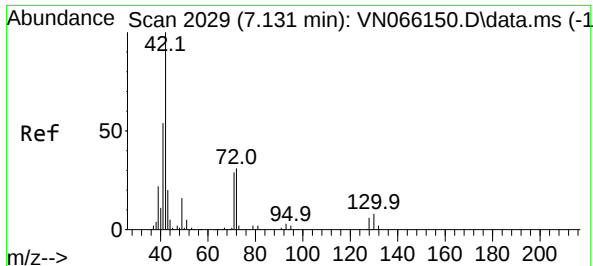
Tgt Ion: 43 Resp: 8854

Ion Ratio Lower Upper

43 100

72 20.6 23.1 34.7#

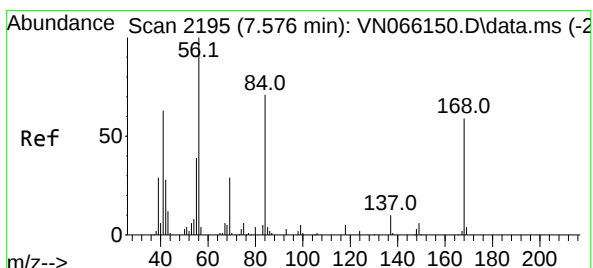
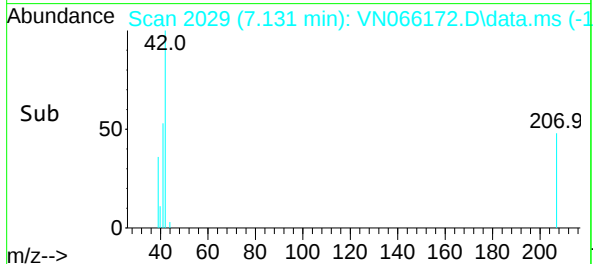
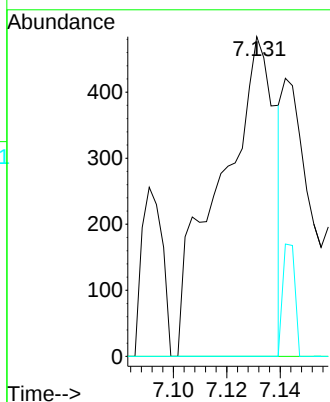
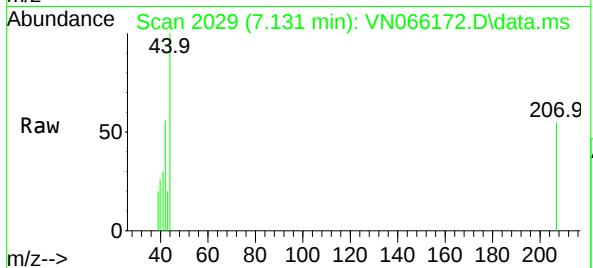




#29
Tetrahydrofuran
Concen: 0.41 ug/l
RT: 7.131 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

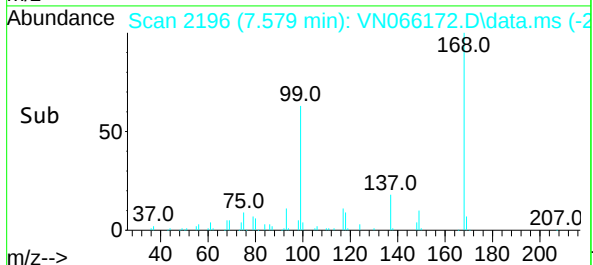
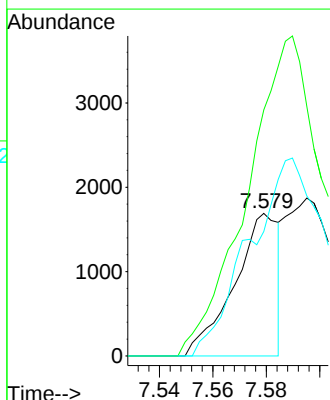
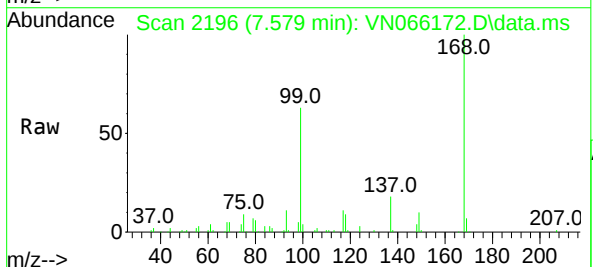
Instrument :
MSVOA_N
ClientSampleId :

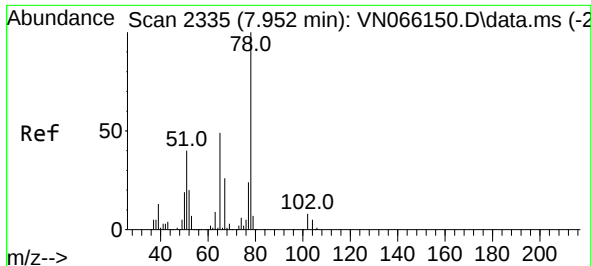
Tgt Ion:	42	Resp:	695
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	7.8	34.3	51.5#



#31
Cyclohexane
Concen: 0.43 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.003 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Tgt Ion:	56	Resp:	1937
Ion	Ratio	Lower	Upper
56	100		
69	172.5	26.6	39.8#
84	87.3	70.4	105.6

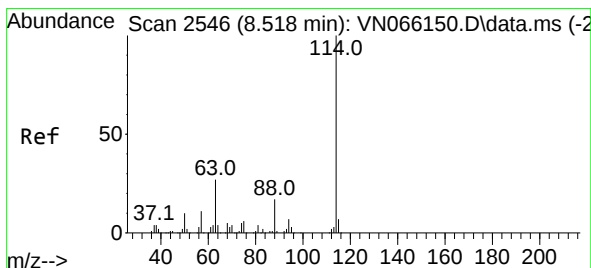
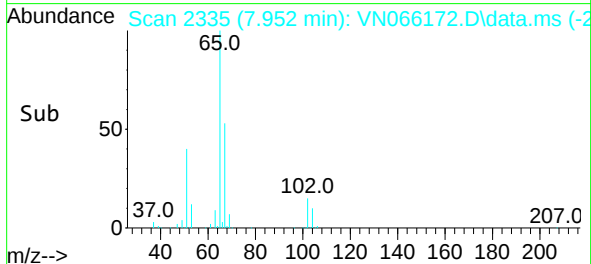
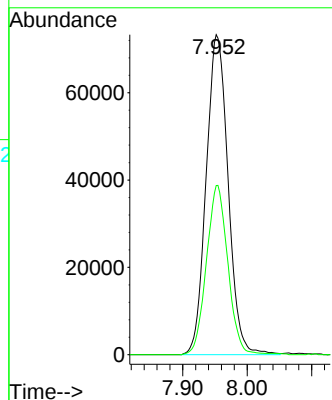
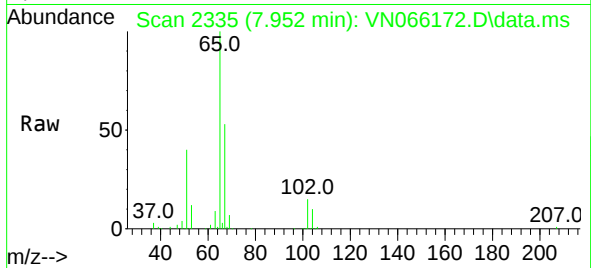




#33
1,2-Dichloroethane-d4
Concen: 55.57 ug/l
RT: 7.952 min Scan# 2335
Delta R.T. -0.000 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

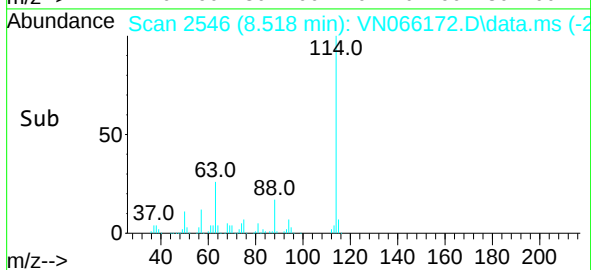
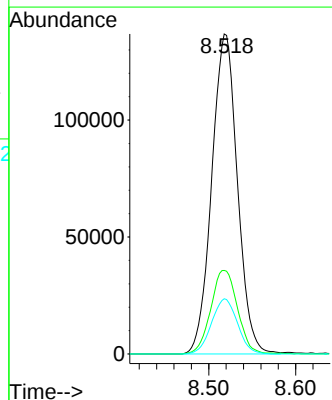
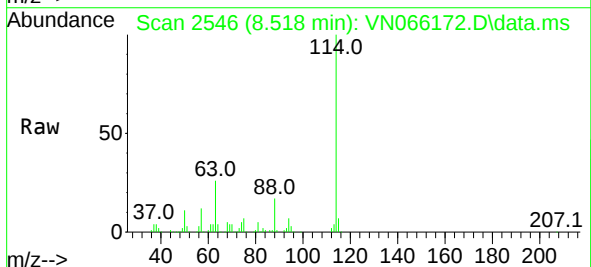
Instrument :
MSVOA_N
ClientSampleId :

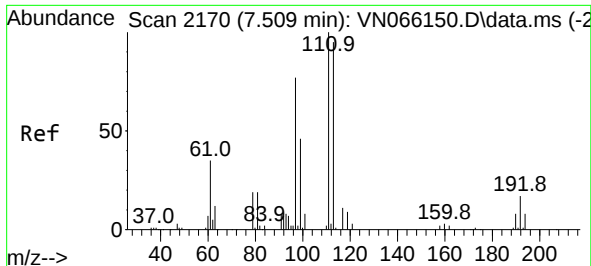
Tgt Ion: 65 Resp: 173394
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.518 min Scan# 2546
Delta R.T. -0.000 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Tgt Ion: 114 Resp: 280652
Ion Ratio Lower Upper
114 100
63 26.1 0.0 38.6
88 17.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.65 ug/l

RT: 7.515 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VN066172.D

Acq: 10 Mar 2021 17:48

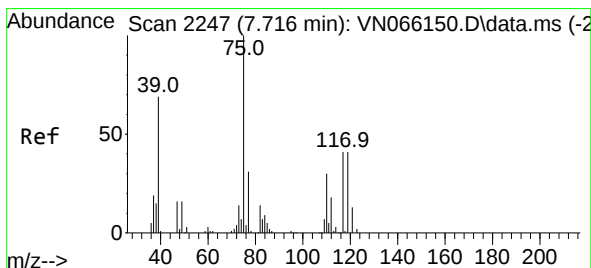
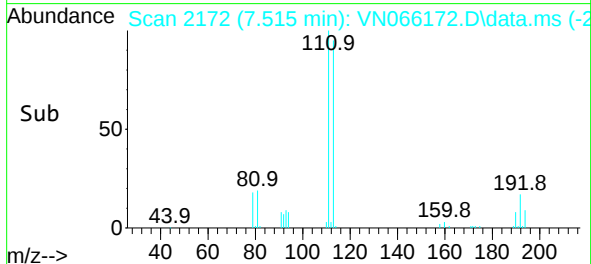
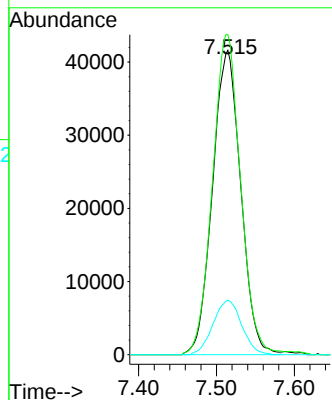
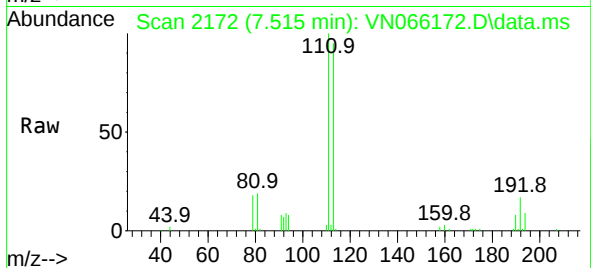
Tgt Ion:113 Resp: 104632

Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.2

192 18.1 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.72 ug/l

RT: 7.590 min Scan# 2200

Delta R.T. -0.126 min

Lab File: VN066172.D

Acq: 10 Mar 2021 17:48

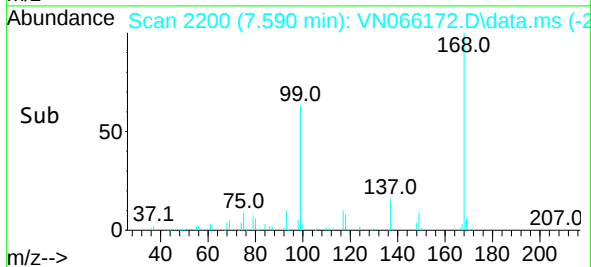
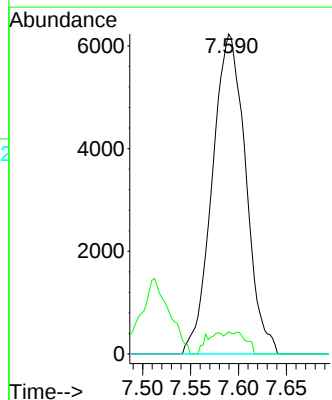
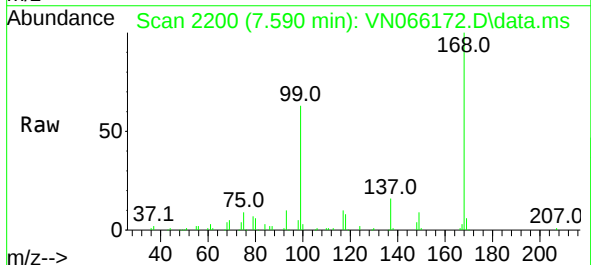
Tgt Ion: 75 Resp: 15073

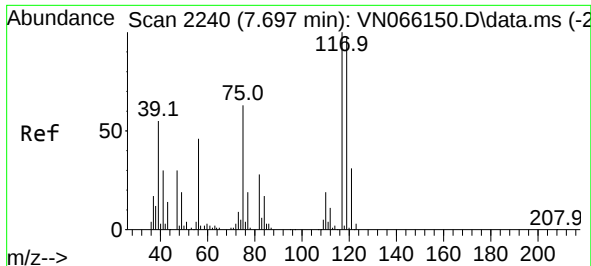
Ion Ratio Lower Upper

75 100

110 3.5 18.2 54.6#

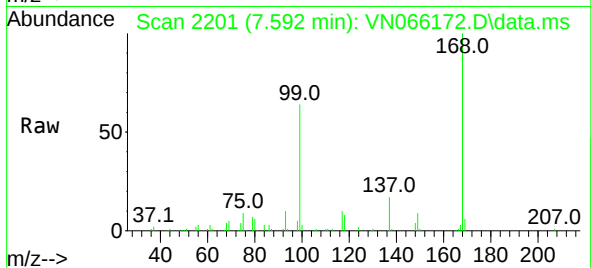
77 0.0 24.9 37.3#



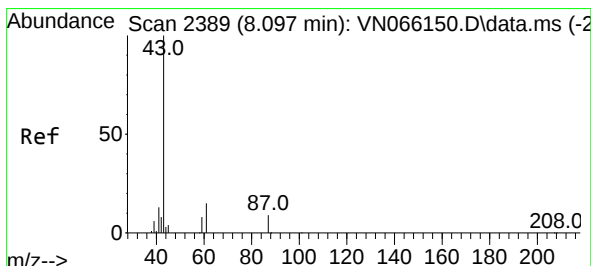
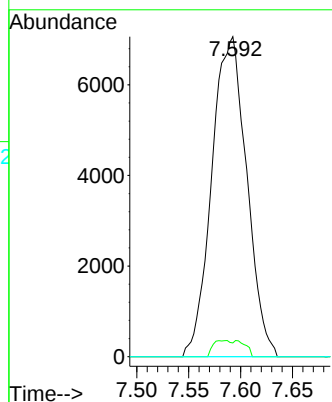
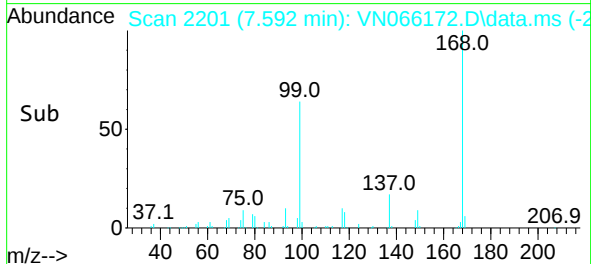


#38
Carbon Tetrachloride
Concen: 5.95 ug/l
RT: 7.592 min Scan# 2201
Delta R.T. -0.105 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

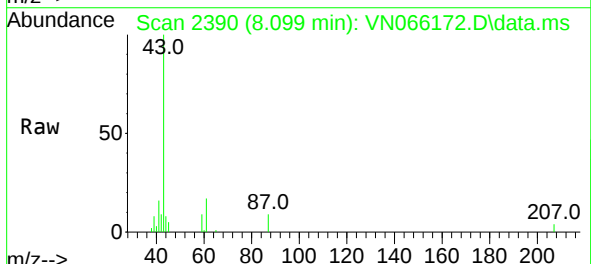
Instrument :
MSVOA_N
ClientSampleId :



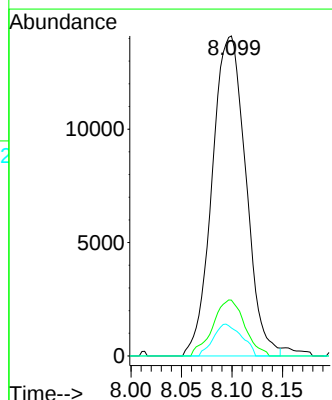
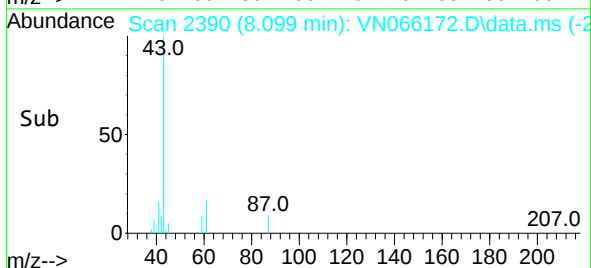
Tgt Ion: 117 Resp: 16535
Ion Ratio Lower Upper
117 100
119 4.3 76.0 114.0#
121 0.0 24.5 36.7#

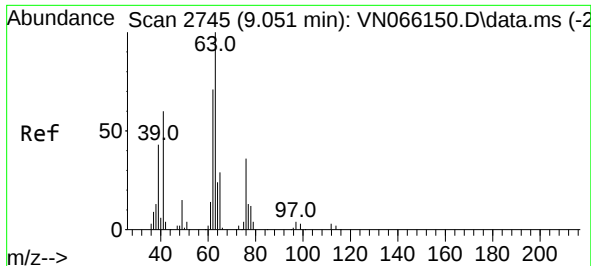


#43
Isopropyl Acetate
Concen: 4.13 ug/l
RT: 8.099 min Scan# 2390
Delta R.T. 0.002 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48



Tgt Ion: 43 Resp: 32664
Ion Ratio Lower Upper
43 100
61 16.6 22.5 33.7#
87 8.4 11.1 16.7#



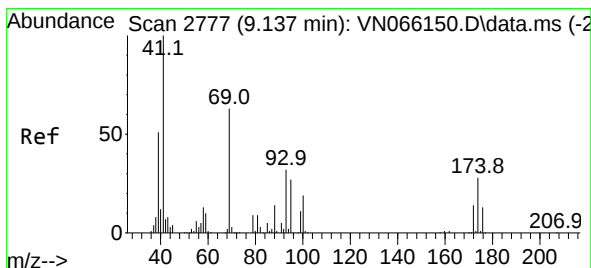
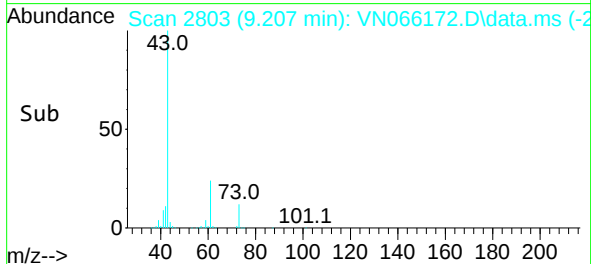
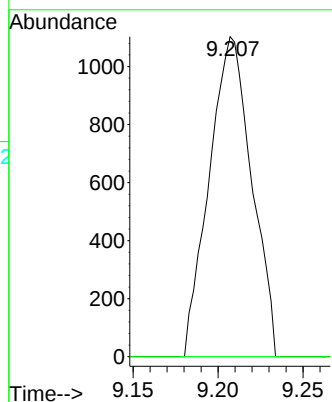
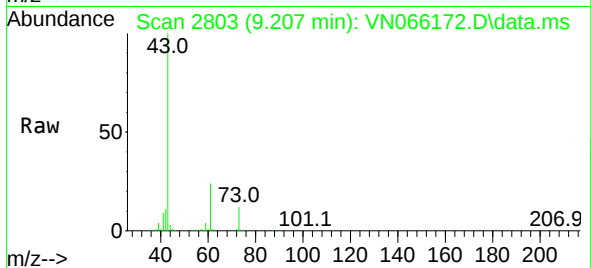


#45

1,2-Dichloropropane
Concen: 0.68 ug/l
RT: 9.207 min Scan# 2803
Delta R.T. 0.156 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Instrument :
MSVOA_N
ClientSampled :

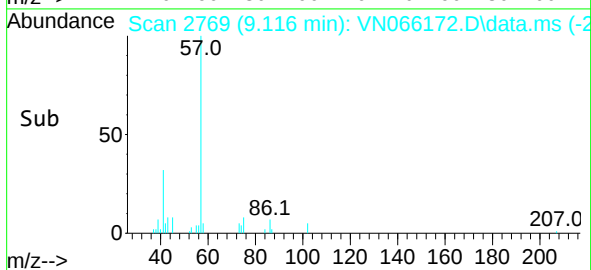
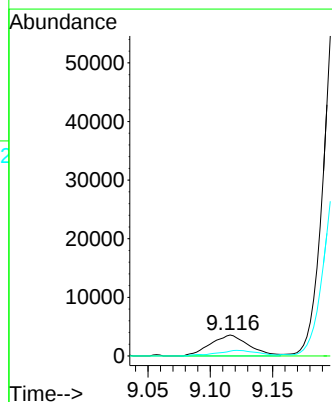
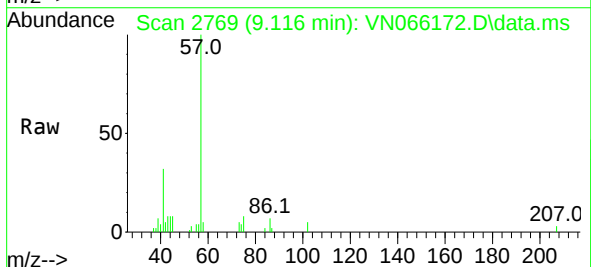
Tgt Ion: 63 Resp: 1918
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

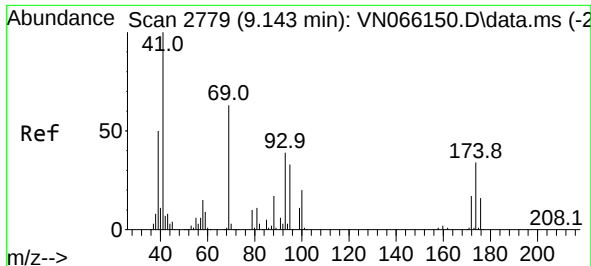


#48

Methyl methacrylate
Concen: 1.97 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.021 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Tgt Ion: 41 Resp: 7629
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: 1.44 ug/l

RT: 9.124 min Scan# 2772

Delta R.T. -0.019 min

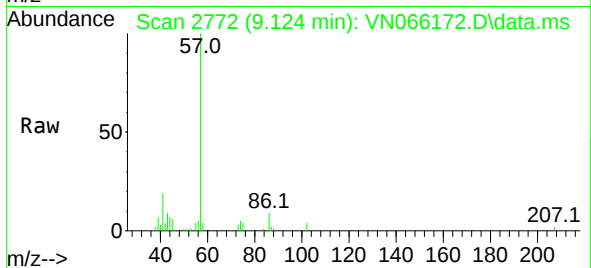
Lab File: VN066172.D

Acq: 10 Mar 2021 17:48

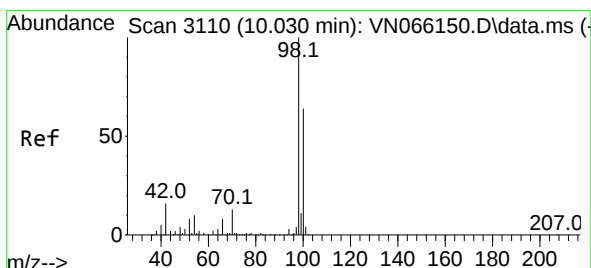
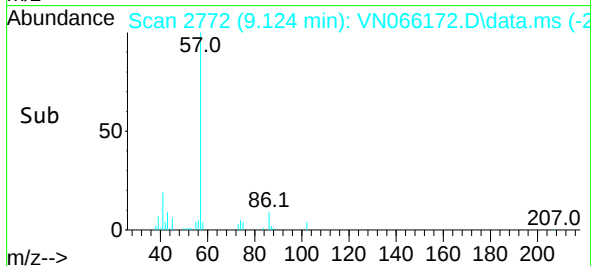
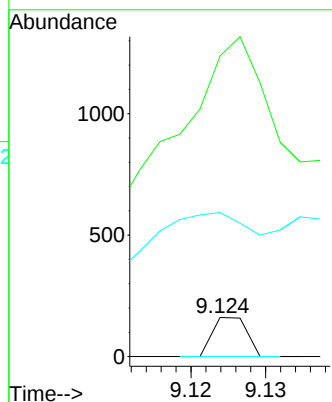
Instrument :

MSVOA_N

ClientSampled :



Tgt Ion:	88	Resp:	51
Ion Ratio	Lower	Upper	
88	100		
43	0.0	24.7	37.1#
58	1637.3	52.6	78.8#



#50

Toluene-d8

Concen: 52.34 ug/l

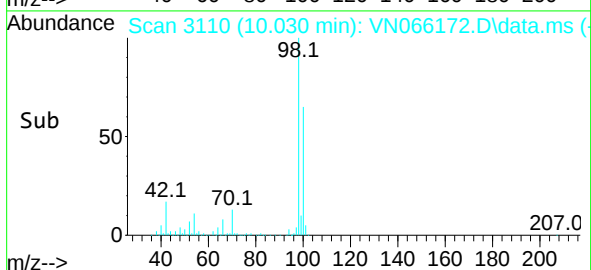
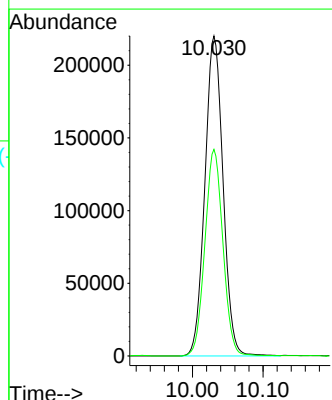
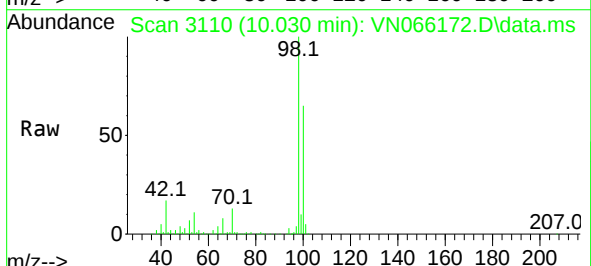
RT: 10.030 min Scan# 3110

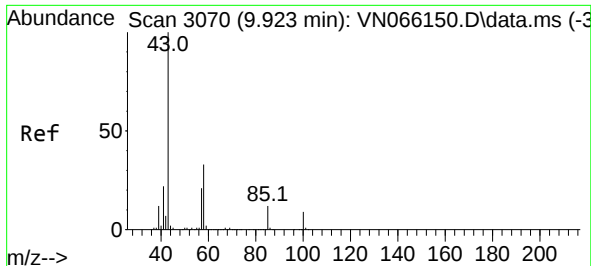
Delta R.T. 0.000 min

Lab File: VN066172.D

Acq: 10 Mar 2021 17:48

Tgt Ion:	98	Resp:	394266
Ion Ratio	Lower	Upper	
98	100		
100	64.0	50.5	75.7

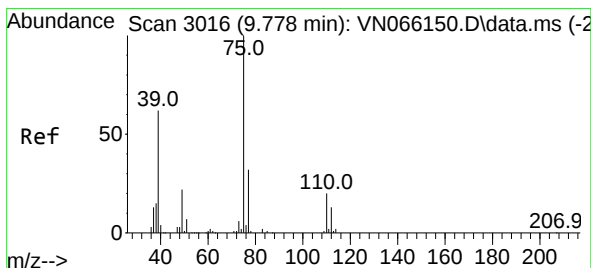
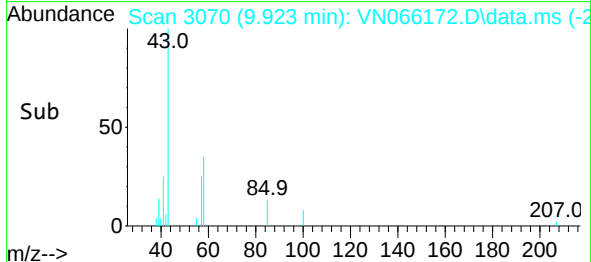
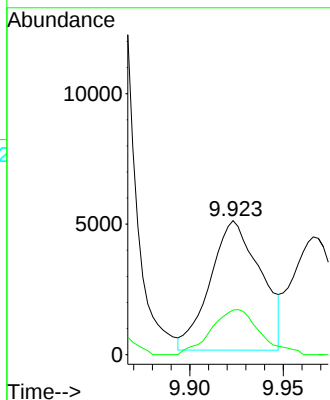
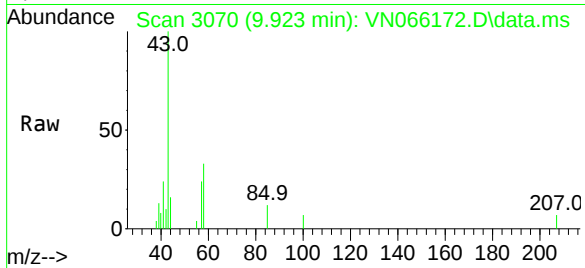




#51
4-Methyl-2-Pentanone
Concen: 1.94 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

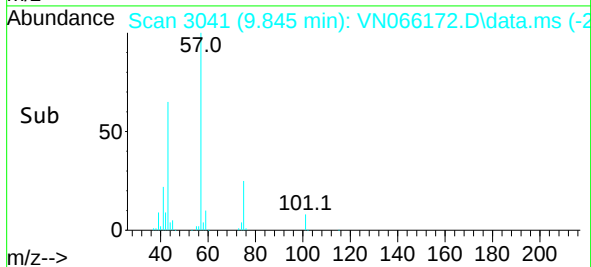
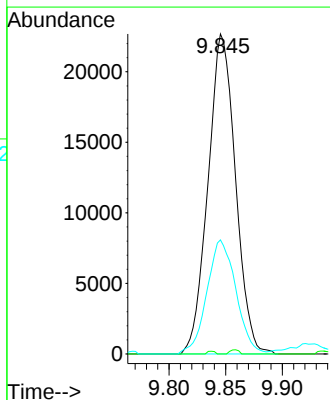
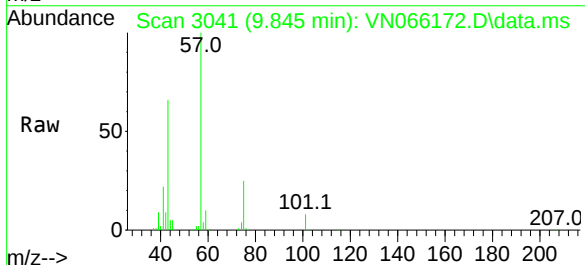
Instrument :
MSVOA_N
ClientSampled :

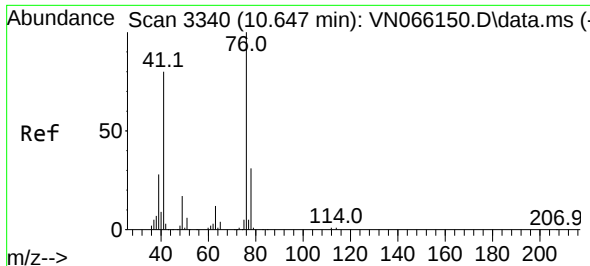
Tgt Ion: 43 Resp: 9295
Ion Ratio Lower Upper
43 100
58 33.6 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.90 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.067 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Tgt Ion: 75 Resp: 38271
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 35.6 36.2 54.4#

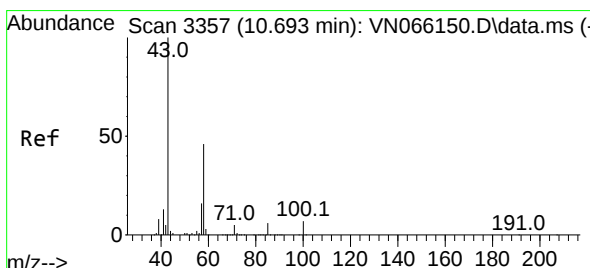
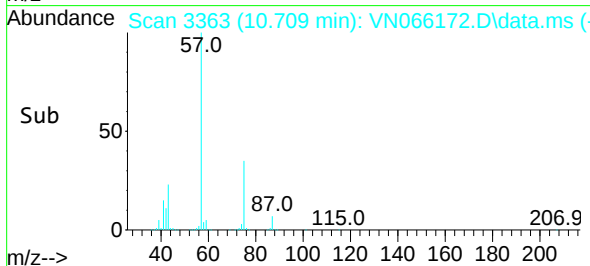
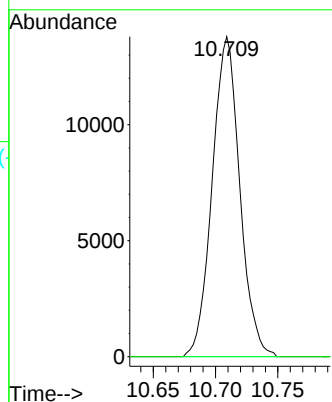
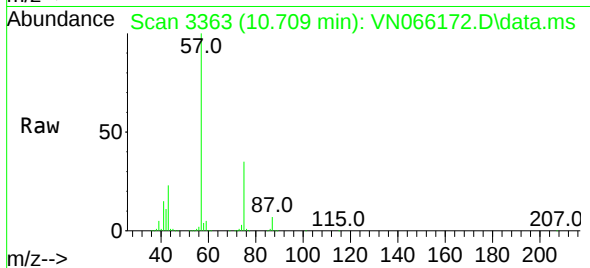




#57
1,3-Dichloropropane
Concen: 5.11 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.062 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

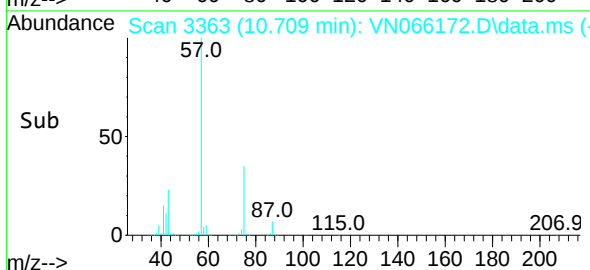
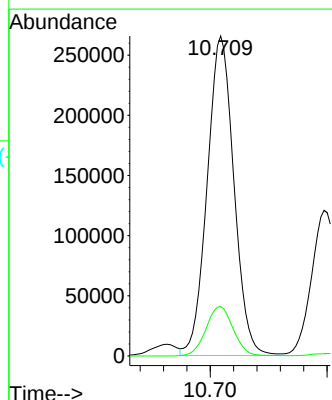
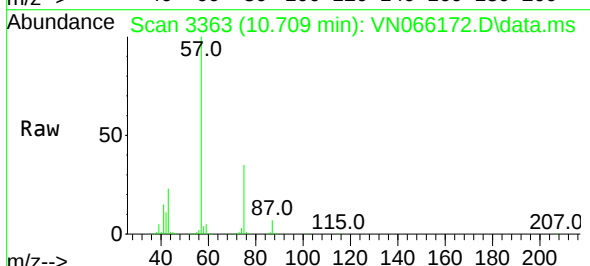
Instrument :
MSVOA_N
ClientSampled :

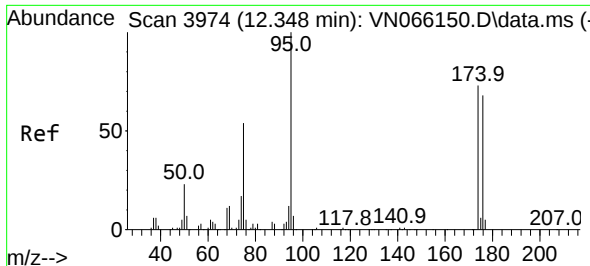
Tgt Ion: 76 Resp: 21229
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 122.75 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.016 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Tgt Ion: 43 Resp: 421274
Ion Ratio Lower Upper
43 100
58 15.9 28.1 84.3#

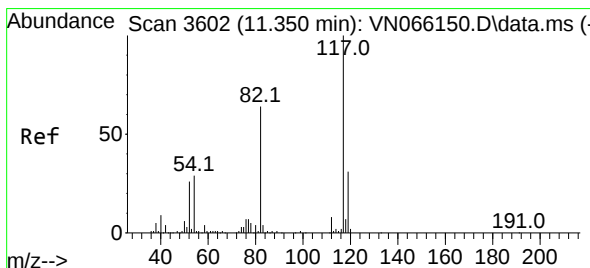
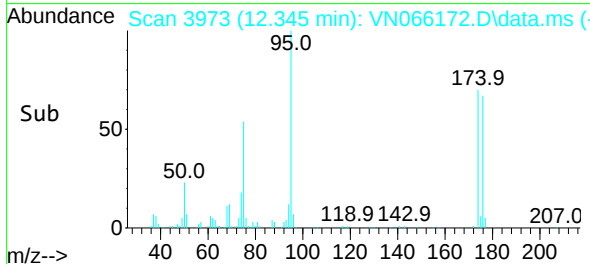
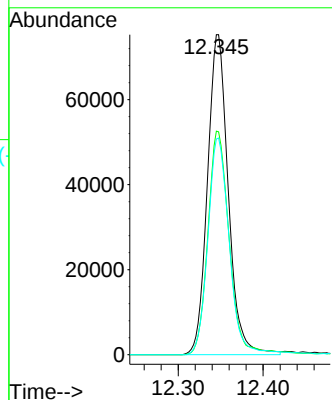
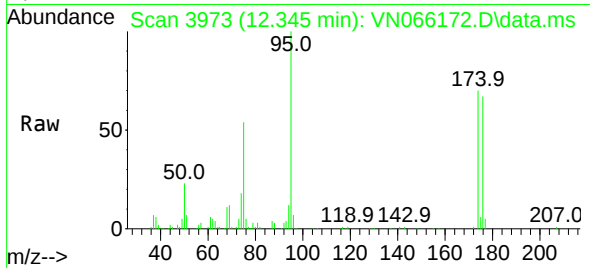




#62
4-Bromofluorobenzene
Concen: 45.65 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.003 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

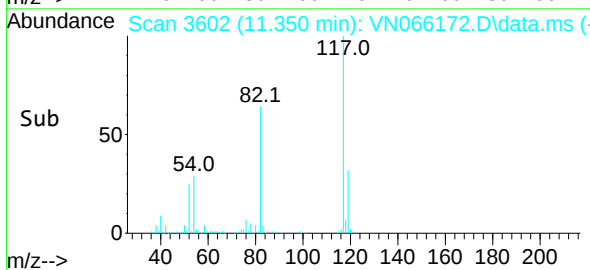
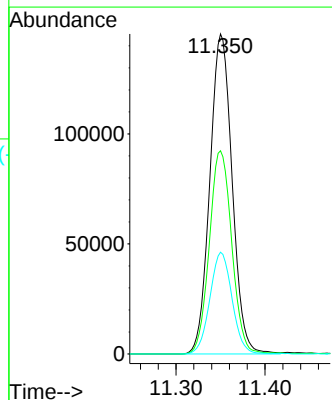
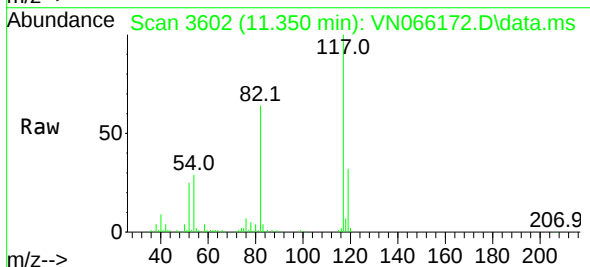
Instrument :
MSVOA_N
ClientSampleId :

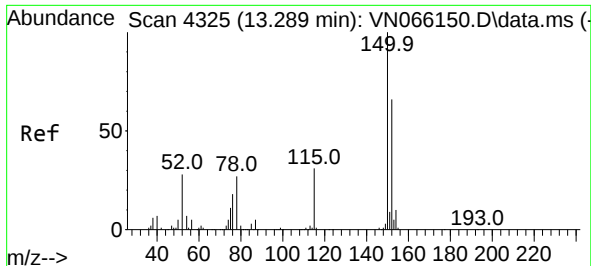
Tgt Ion: 95 Resp: 128027
Ion Ratio Lower Upper
95 100
174 72.0 0.0 169.0
176 70.1 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. -0.000 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Tgt Ion: 117 Resp: 252834
Ion Ratio Lower Upper
117 100
82 63.5 43.7 65.5
119 31.8 26.1 39.1

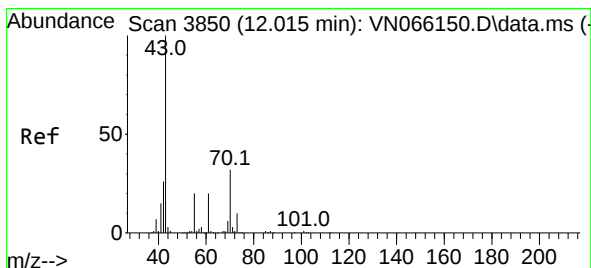
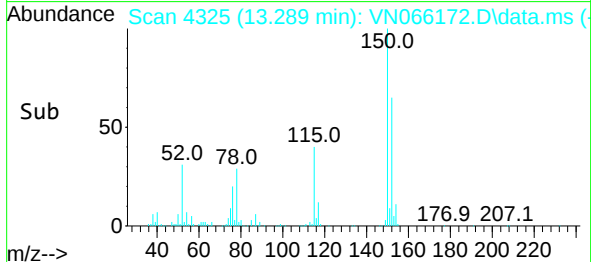
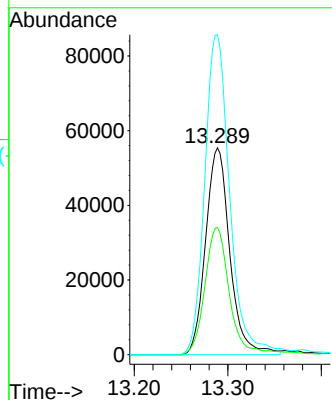
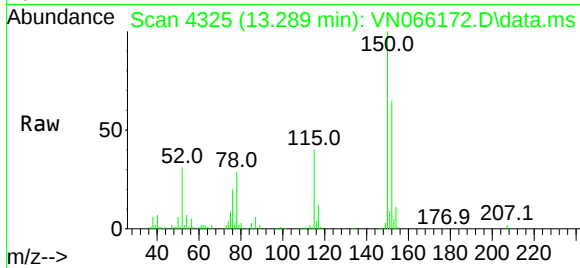




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. -0.000 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

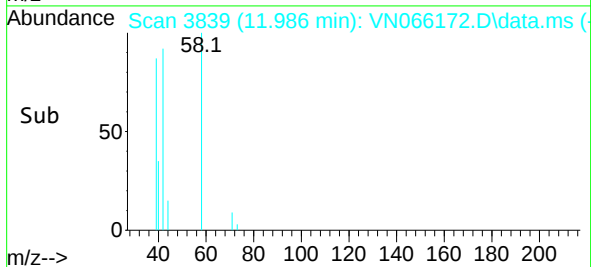
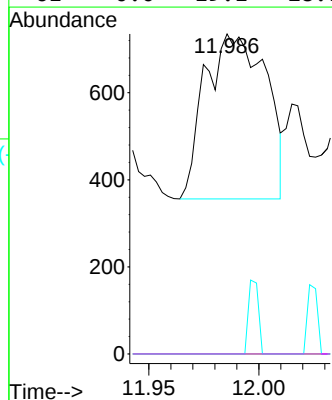
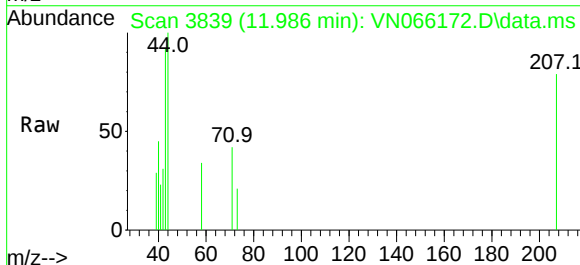
Instrument :
MSVOA_N
ClientSampleId :

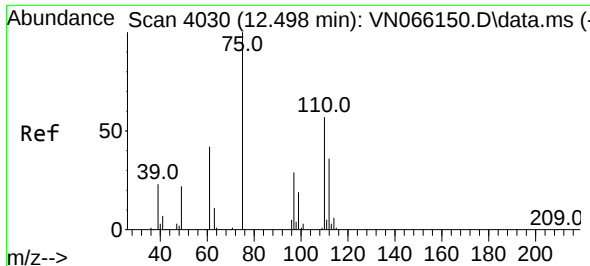
Tgt Ion:152 Resp: 99918
Ion Ratio Lower Upper
152 100
115 63.1 28.5 85.6
150 160.2 0.0 347.6



#74
N-ethyl acetate
Concen: 3.11 ug/l
RT: 11.986 min Scan# 3839
Delta R.T. -0.029 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Tgt Ion: 43 Resp: 733
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 7.4 20.7 31.1#
61 0.0 19.1 28.7#

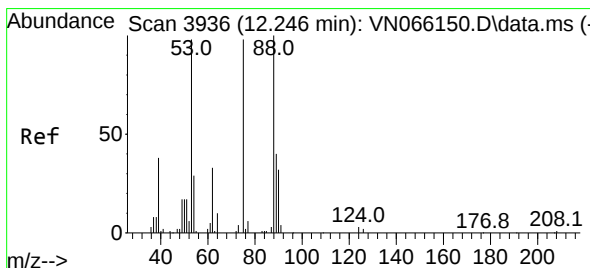
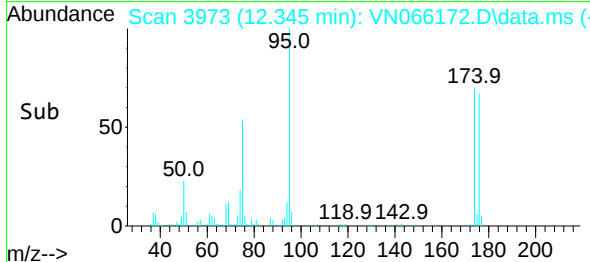
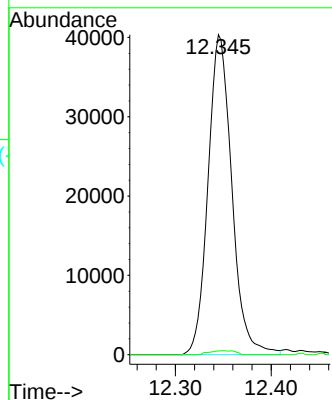
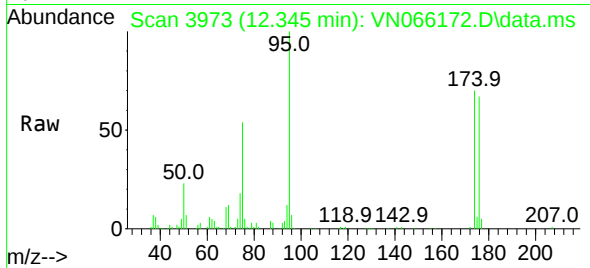




#76
1,2,3-Trichloropropane
Concen: 23.23 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

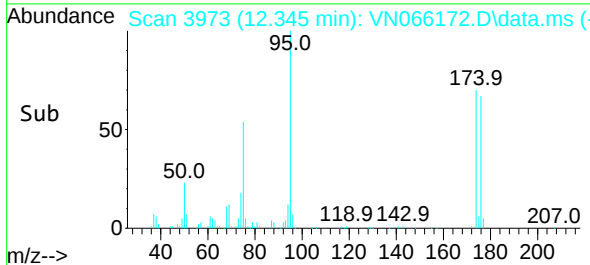
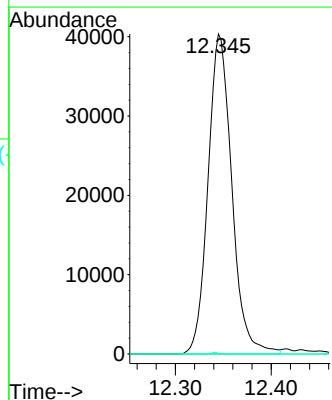
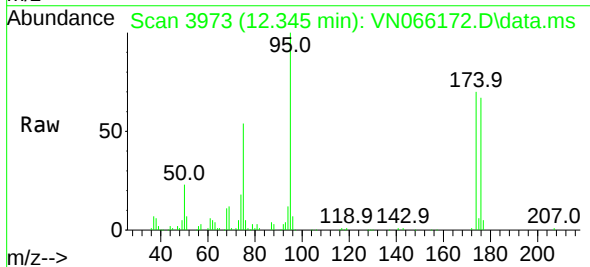
Instrument :
MSVOA_N
ClientSampled :

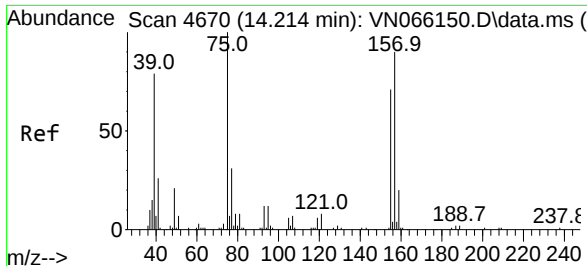
Tgt Ion: 75 Resp: 69552
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.52 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066172.D
Acq: 10 Mar 2021 17:48

Tgt Ion: 75 Resp: 69552
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

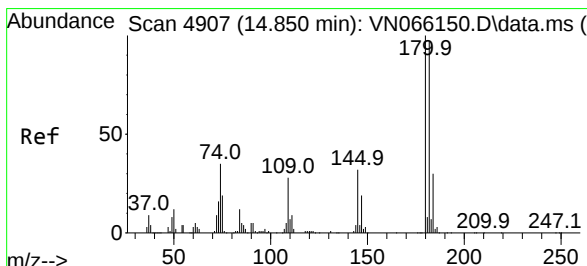
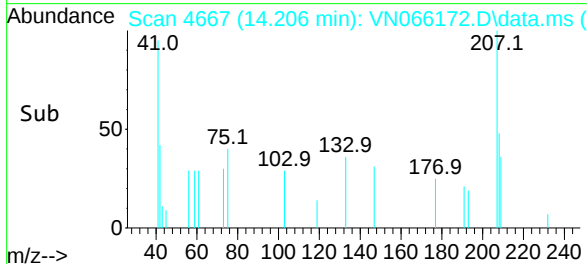
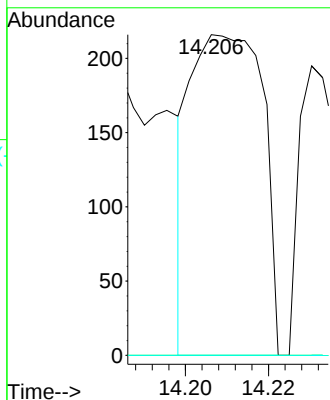
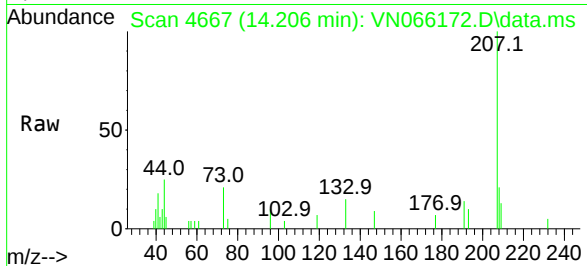




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.37 ug/l
 RT: 14.206 min Scan# 4667
 Delta R.T. -0.008 min
 Lab File: VN066172.D
 Acq: 10 Mar 2021 17:48

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 260
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.33 ug/l
 RT: 14.855 min Scan# 4909
 Delta R.T. 0.005 min
 Lab File: VN066172.D
 Acq: 10 Mar 2021 17:48

Tgt Ion:180 Resp: 279
 Ion Ratio Lower Upper
 180 100
 182 35.8 47.3 142.0#
 145 0.0 15.6 46.8#

