

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040821\
 Data File : VN066543.D
 Acq On : 8 Apr 2021 15:59
 Operator : JC/MD
 Sample : M1961-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 09 04:35:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 15:38:34 2021
 Response via : Initial Calibration

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

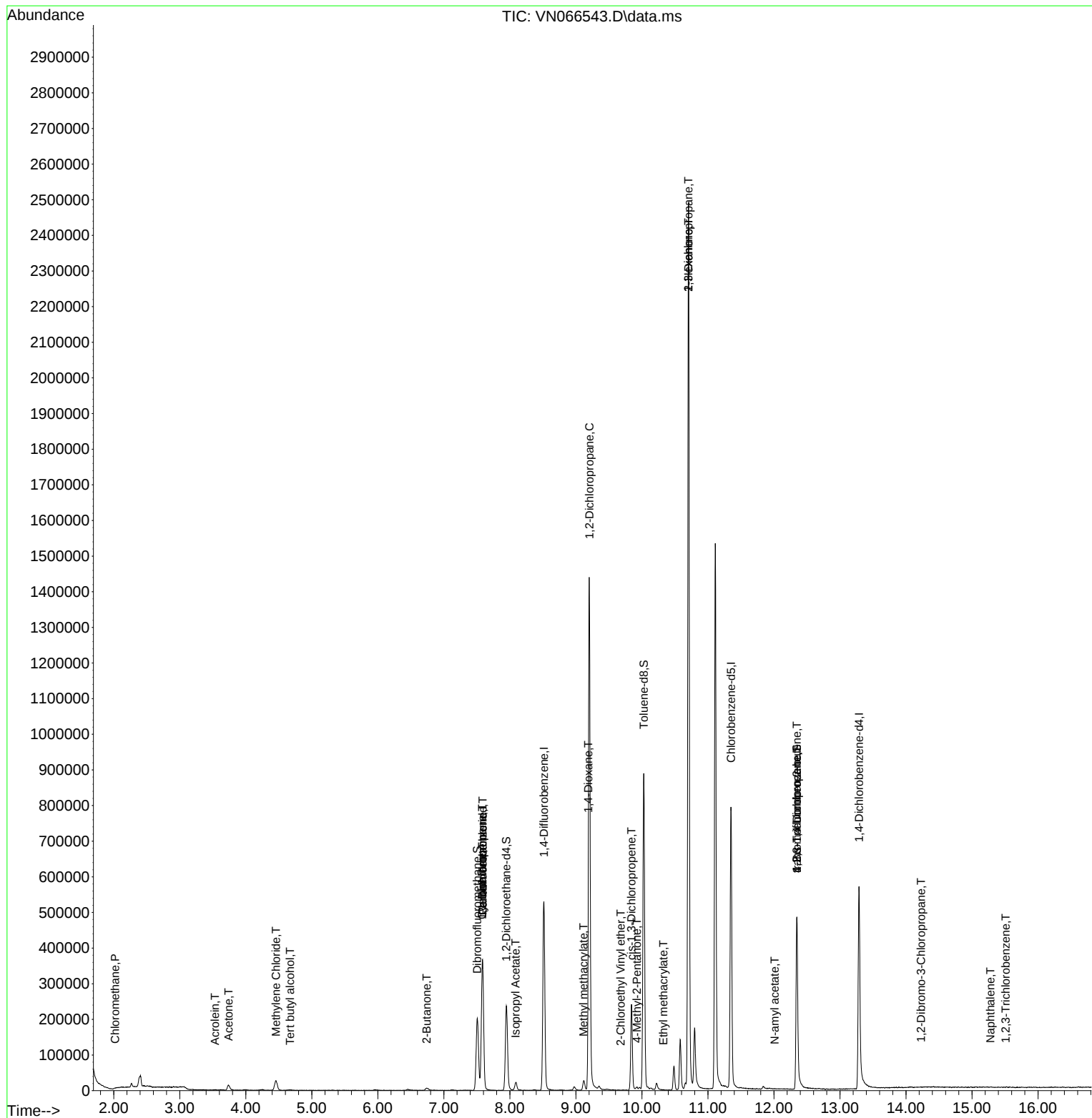
Internal Standards						
1) Pentafluorobenzene	7.587	168	308686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	469139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	461105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	190271	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	198710	48.88	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.76%		
35) Dibromofluoromethane	7.507	113	159292	49.82	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.64%		
50) Toluene-d8	10.028	98	605418	49.83	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.66%		
62) 4-Bromofluorobenzene	12.348	95	183022	46.46	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.92%		
Target Compounds					Qvalue	
3) Chloromethane	2.022	50	1121	0.25	ug/l #	71
11) Tert butyl alcohol	4.672	59	353	0.54	ug/l #	85
13) Acrolein	3.535	56	335	4.59	ug/l #	65
16) Acetone	3.738	43	22156	13.00	ug/l	98
20) Methylene Chloride	4.460	84	20048	5.48	ug/l	88
25) 2-Butanone	6.740	43	11300	4.42	ug/l	94
31) Cyclohexane	7.582	56	6544	1.17	ug/l #	1
36) 1,1-Dichloropropene	7.582	75	23355	5.12	ug/l #	45
38) Carbon Tetrachloride	7.587	117	28529	6.18	ug/l #	16
43) Isopropyl Acetate	8.089	43	27051	3.10	ug/l	99
45) 1,2-Dichloropropane	9.204	63	1780	0.47	ug/l #	43
48) Methyl methacrylate	9.116	41	6728	1.73	ug/l #	12
49) 1,4-Dioxane	9.188	88	51	0.97	ug/l #	23
51) 4-Methyl-2-Pentanone	9.923	43	5614	1.08	ug/l	93
54) cis-1,3-Dichloropropene	9.843	75	42701	7.34	ug/l #	62
56) Ethyl methacrylate	10.325	69	91	3.73	ug/l #	1
57) 1,3-Dichloropropane	10.706	76	24584	4.20	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.679	63	25	5.36	ug/l #	49
59) 2-Hexanone	10.706	43	352186	95.51	ug/l #	53
74) N-amyl acetate	12.012	43	237	12.77	ug/l #	15
76) 1,2,3-Trichloropropane	12.348	75	92587	21.57	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.348	75	92587	60.15	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.228	75	27	0.36	ug/l #	1
95) Naphthalene	15.279	128	525	2.02	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.512	180	28	1.62	ug/l #	12

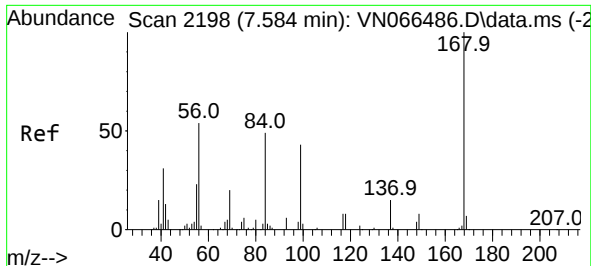
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN066543.D
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Apr 09 04:35:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 06 15:38:34 2021
Response via : Initial Calibration

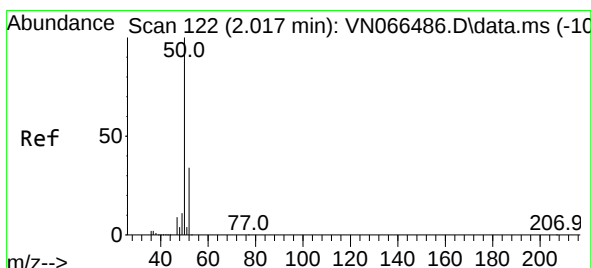
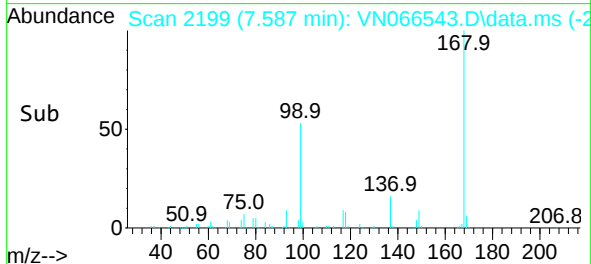
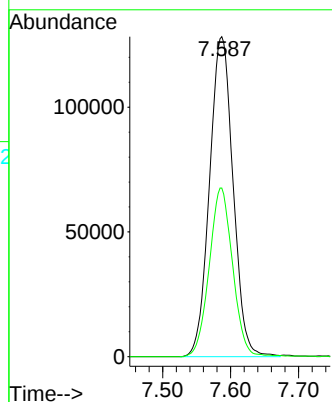
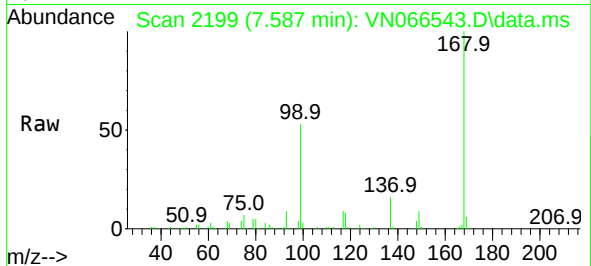




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

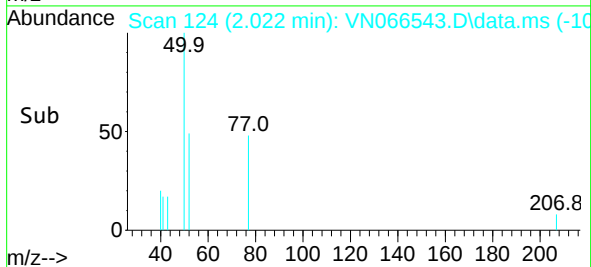
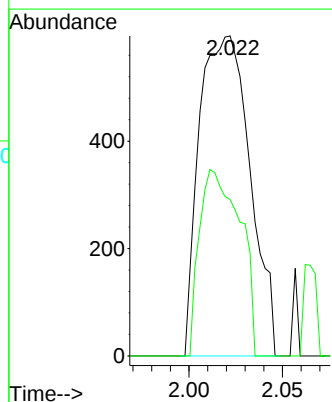
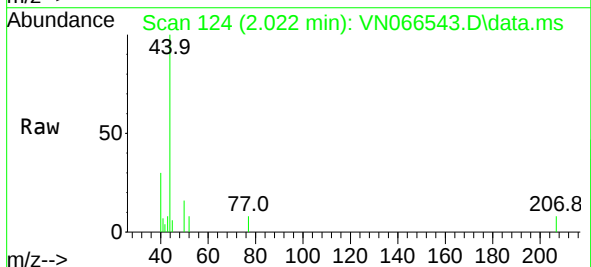
Instrument :
MSVOA_N
ClientSampled :

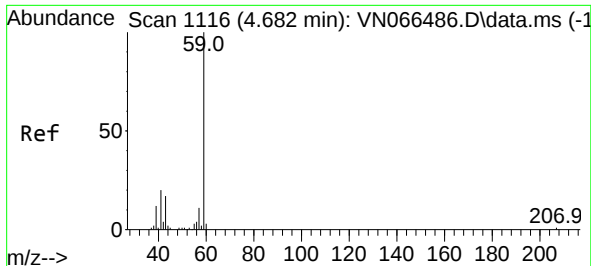
Tgt Ion:168 Resp: 308686
Ion Ratio Lower Upper
168 100
99 52.7 41.1 61.7



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.022 min Scan# 124
Delta R.T. 0.005 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

Tgt Ion: 50 Resp: 1121
Ion Ratio Lower Upper
50 100
52 48.8 26.2 39.2#

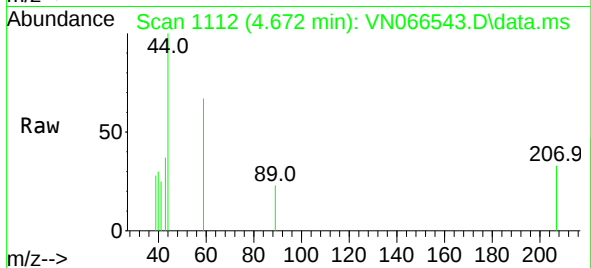




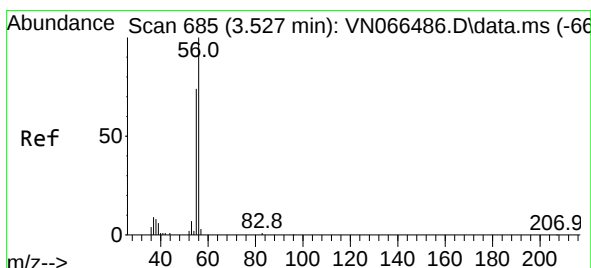
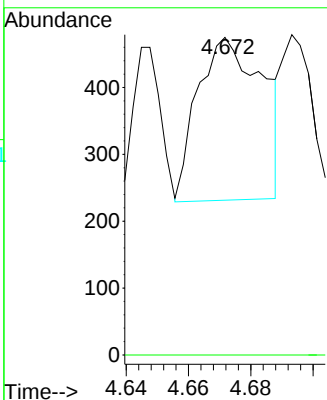
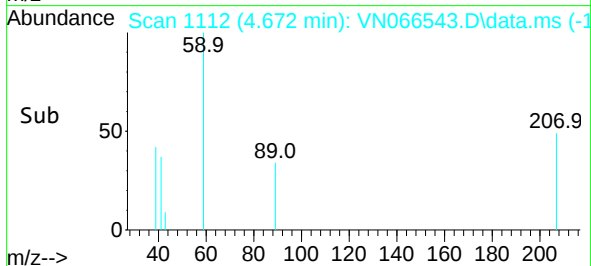
#11

Tert butyl alcohol
Concen: 0.54 ug/l
RT: 4.672 min Scan# 1112
Delta R.T. -0.010 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

Instrument :
MSVOA_N
ClientSampled :

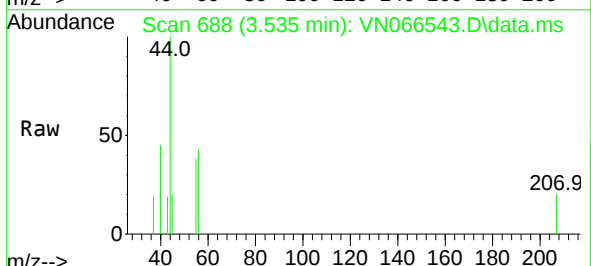


Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

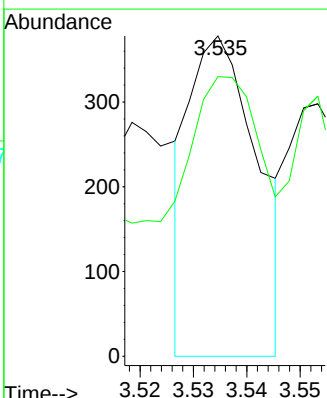
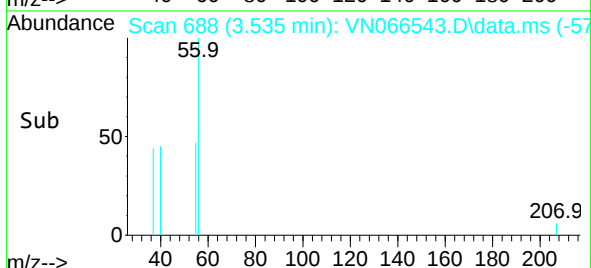


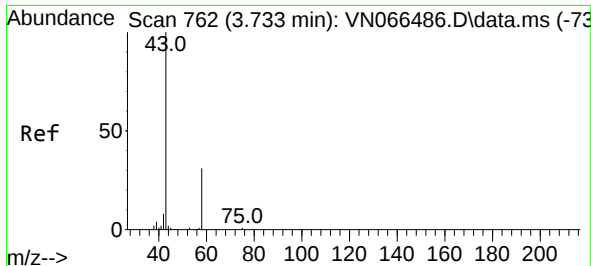
#13

Acrolein
Concen: 4.59 ug/l
RT: 3.535 min Scan# 688
Delta R.T. 0.008 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59



Tgt Ion: 56 Resp: 335
Ion Ratio Lower Upper
56 100
55 101.8 57.9 86.9#

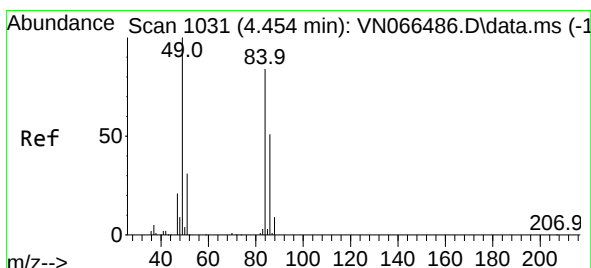
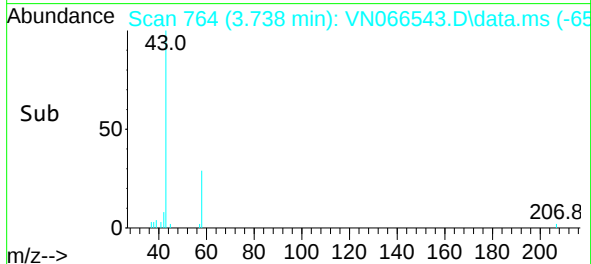
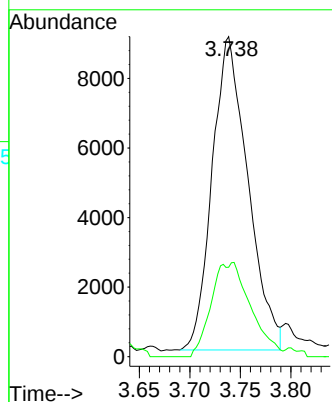
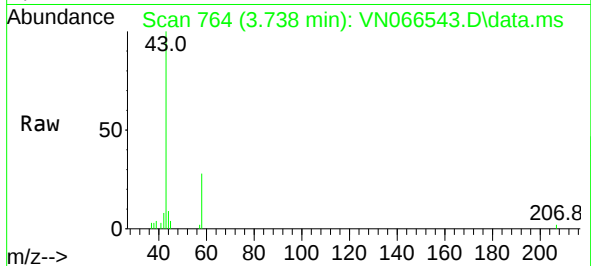




#16
Acetone
Concen: 13.00 ug/l
RT: 3.738 min Scan# 764
Delta R.T. 0.005 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

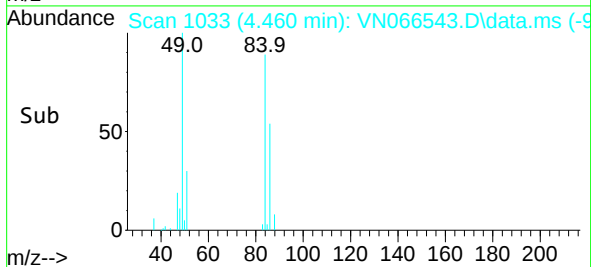
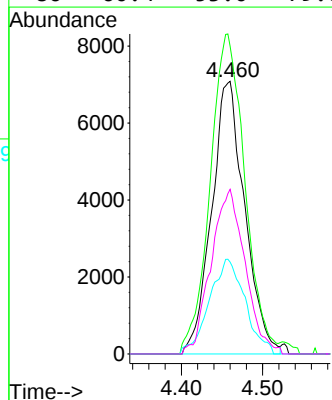
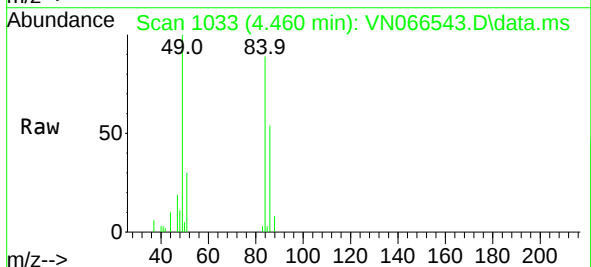
Instrument :
MSVOA_N
ClientSampled :

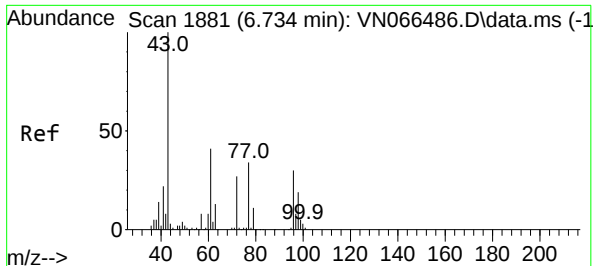
Tgt Ion: 43 Resp: 22156
Ion Ratio Lower Upper
43 100
58 28.5 23.8 35.8



#20
Methylene Chloride
Concen: 5.48 ug/l
RT: 4.460 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

Tgt Ion: 84 Resp: 20048
Ion Ratio Lower Upper
84 100
49 112.9 105.0 157.6
51 33.7 31.6 47.4
86 60.4 53.0 79.6

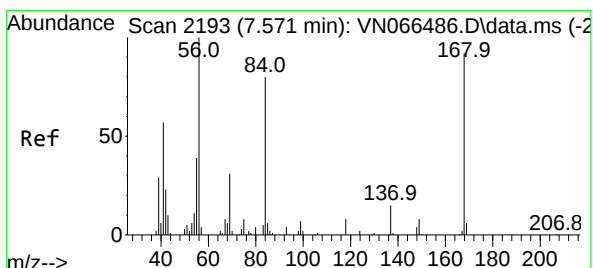
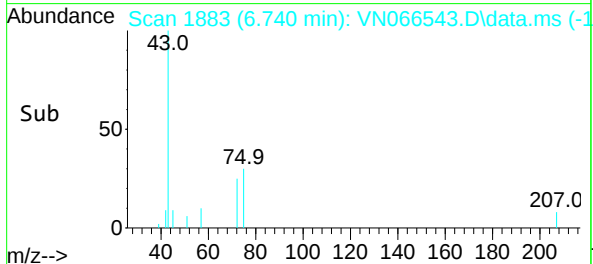
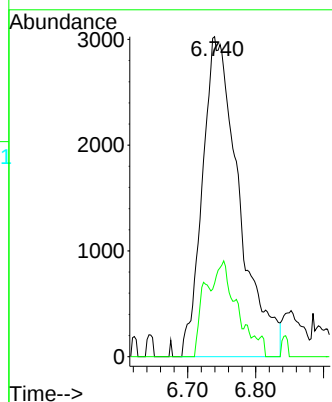
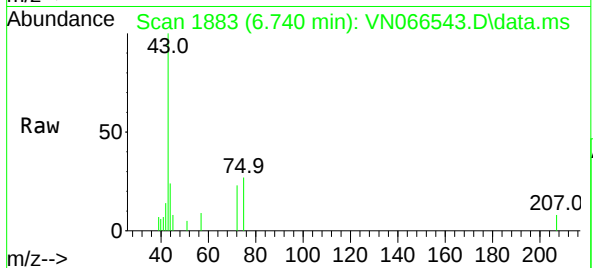




#25
2-Butanone
Concen: 4.42 ug/l
RT: 6.740 min Scan# 1883
Delta R.T. 0.006 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

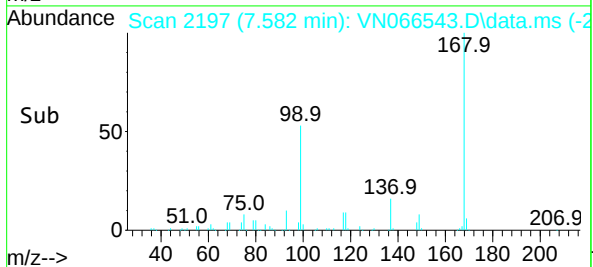
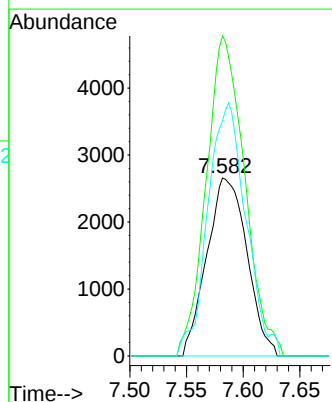
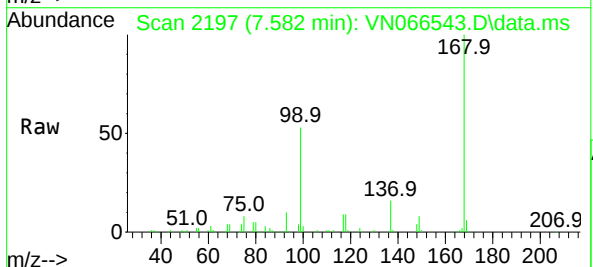
Instrument :
MSVOA_N
ClientSampled :

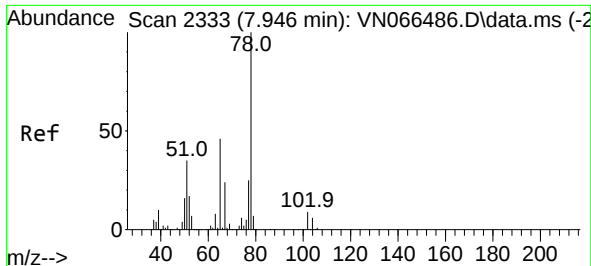
Tgt Ion: 43 Resp: 11300
Ion Ratio Lower Upper
43 100
72 23.0 20.7 31.1



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.011 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

Tgt Ion: 56 Resp: 6544
Ion Ratio Lower Upper
56 100
69 173.6 26.6 40.0#
84 132.0 68.7 103.1#

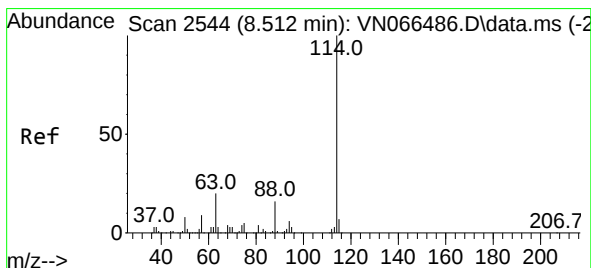
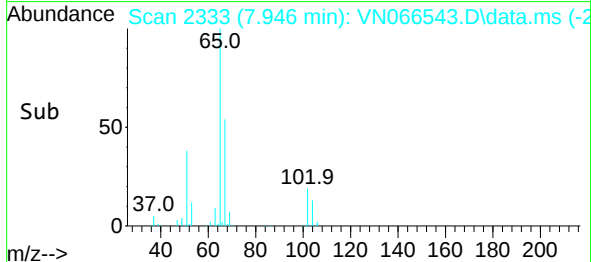
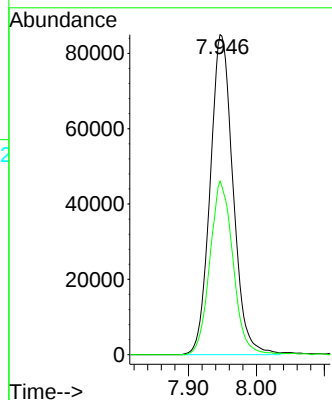
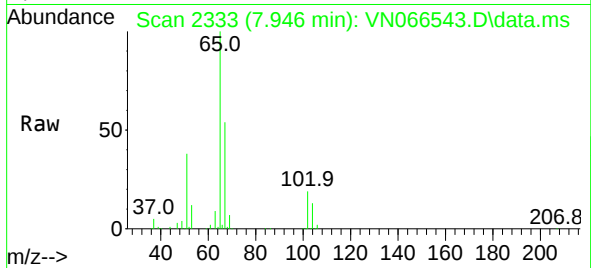




#33
 1,2-Dichloroethane-d4
 Concen: 48.88 ug/l
 RT: 7.946 min Scan# 2333
 Delta R.T. 0.000 min
 Lab File: VN066543.D
 Acq: 8 Apr 2021 15:59

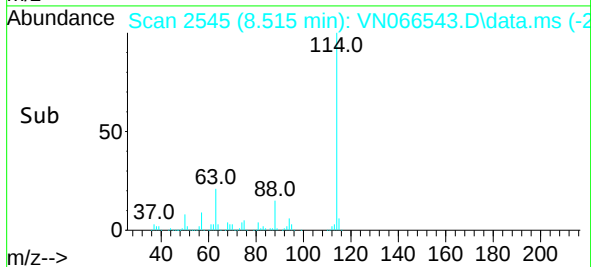
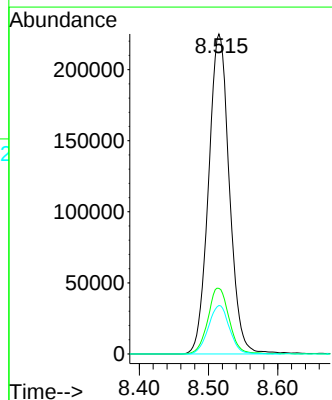
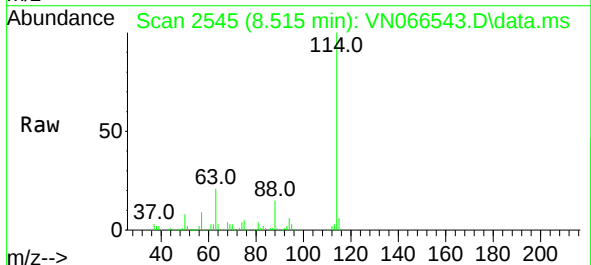
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 MSVOA_N
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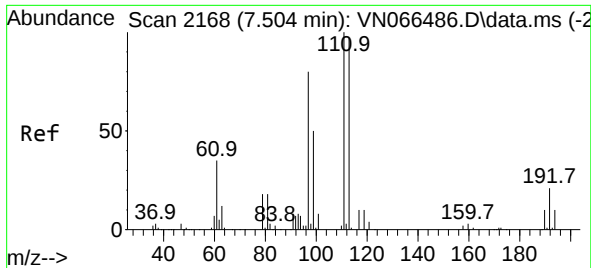
Tgt Ion: 65 Resp: 198710
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.515 min Scan# 2545
 Delta R.T. 0.003 min
 Lab File: VN066543.D
 Acq: 8 Apr 2021 15:59

Tgt Ion: 114 Resp: 469139
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.0
 88 15.1 0.0 31.0

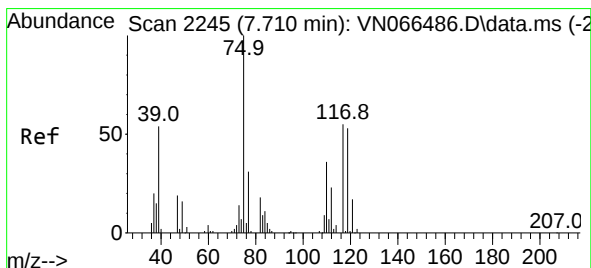
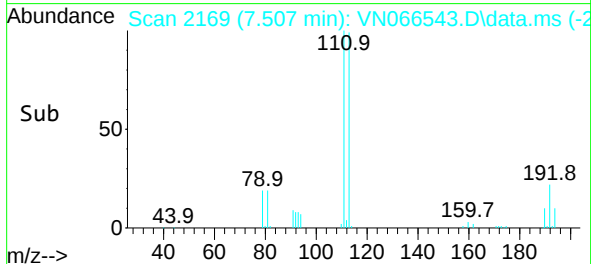
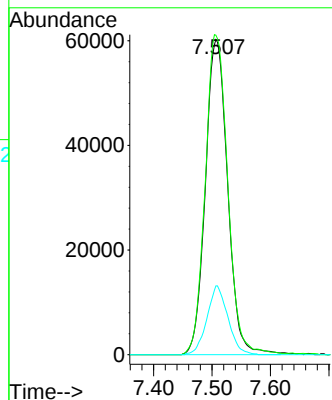
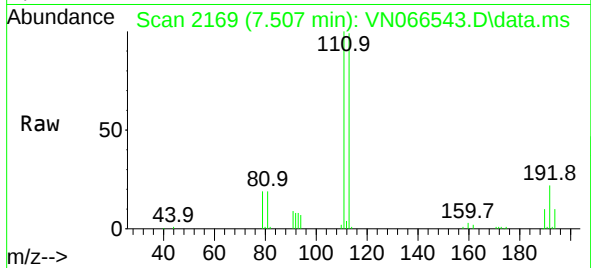




#35
Dibromofluoromethane
Concen: 49.82 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. 0.003 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

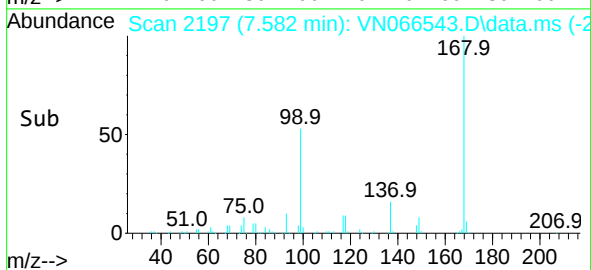
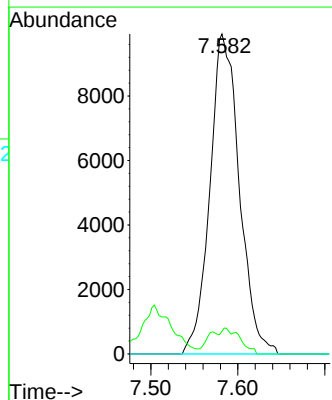
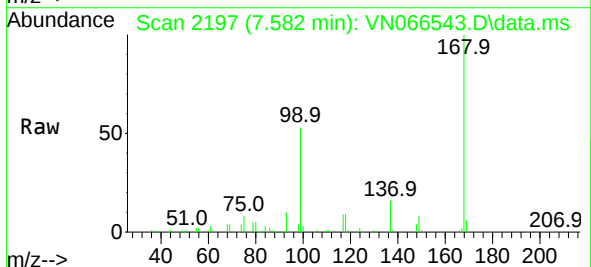
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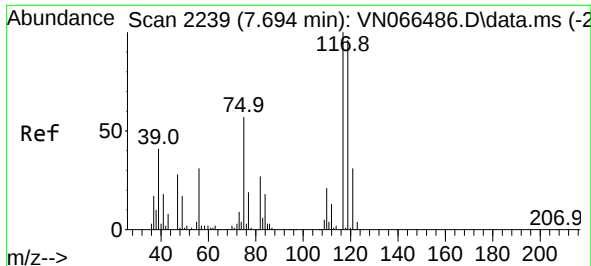
Tgt Ion:113 Resp: 159292
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.8
192 20.6 17.1 25.7



#36
1,1-Dichloropropene
Concen: 5.12 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.128 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

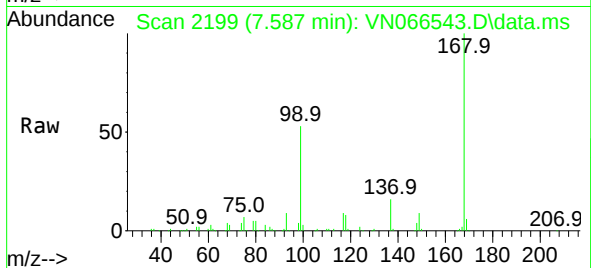
Tgt Ion: 75 Resp: 23355
Ion Ratio Lower Upper
75 100
110 5.0 18.1 54.3#
77 0.0 25.0 37.4#



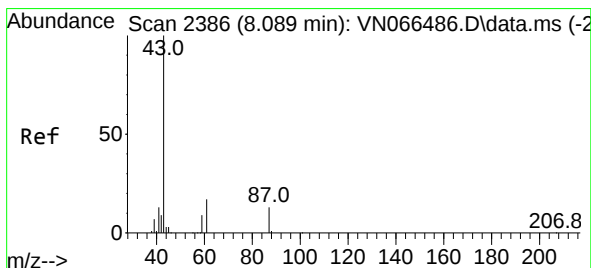
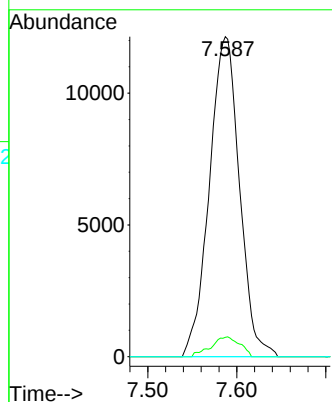
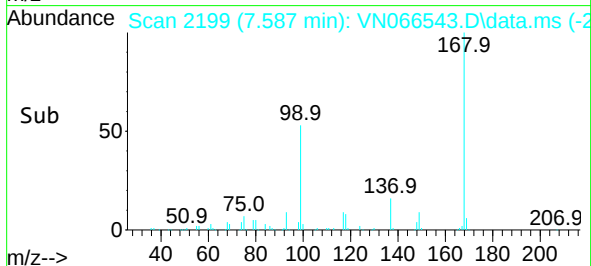


#38
Carbon Tetrachloride
Concen: 6.18 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.107 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

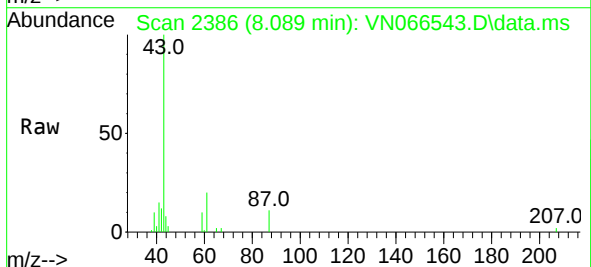
Instrument :
MSVOA_N
ClientSampled :



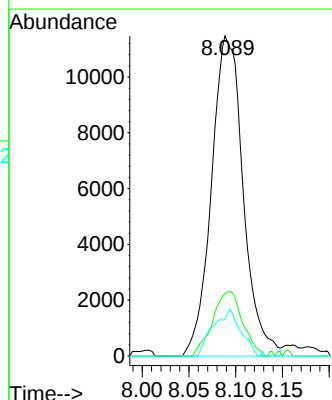
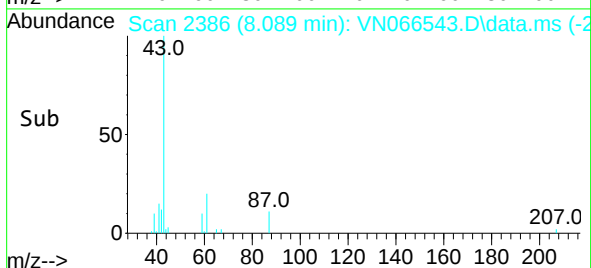
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Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 24.2 36.4#

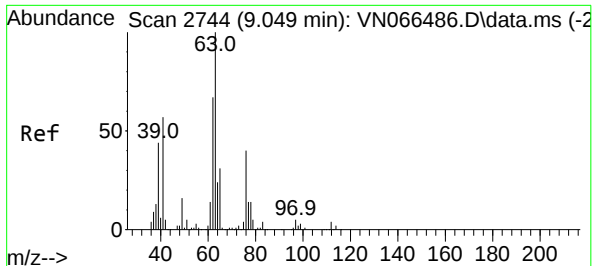


#43
Isopropyl Acetate
Concen: 3.10 ug/l
RT: 8.089 min Scan# 2386
Delta R.T. -0.000 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59



Tgt Ion: 43 Resp: 27051
Ion Ratio Lower Upper
43 100
61 19.0 15.5 23.3
87 12.7 10.5 15.7



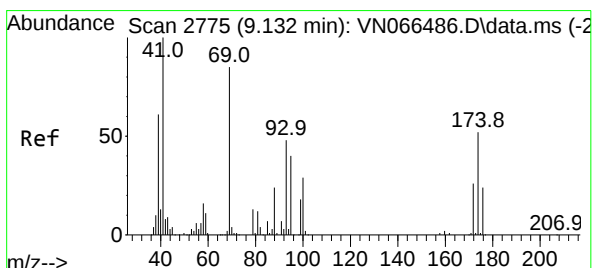
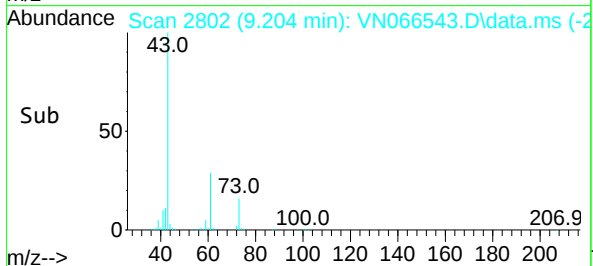
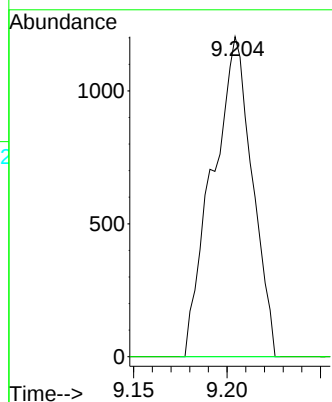
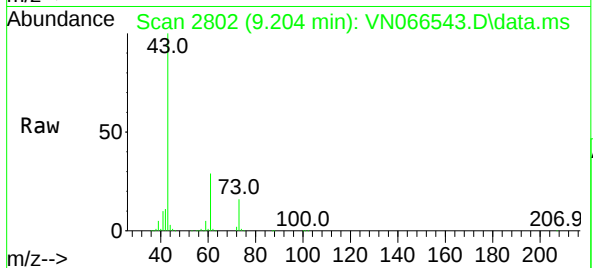


#45

1,2-Dichloropropane
Concen: 0.47 ug/l
RT: 9.204 min Scan# 2802
Delta R.T. 0.155 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

Instrument :
MSVOA_N
ClientSampled :

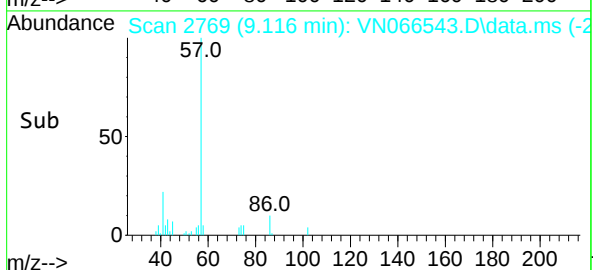
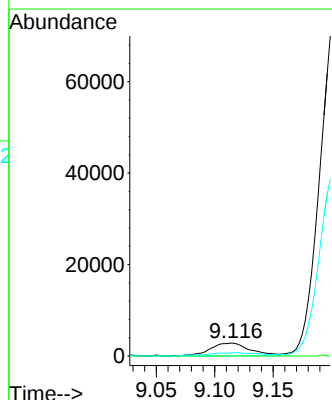
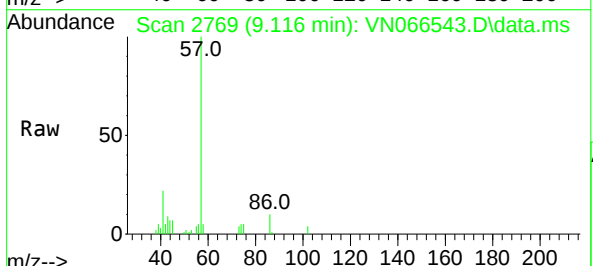
Tgt Ion: 63 Resp: 1780
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#

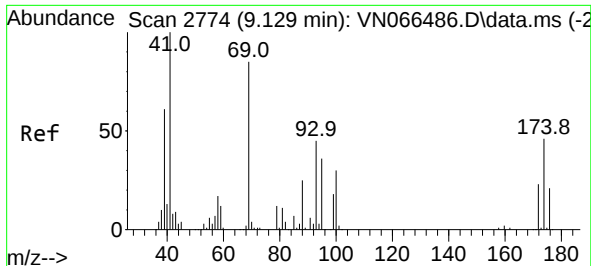


#48

Methyl methacrylate
Concen: 1.73 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.016 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

Tgt Ion: 41 Resp: 6728
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#

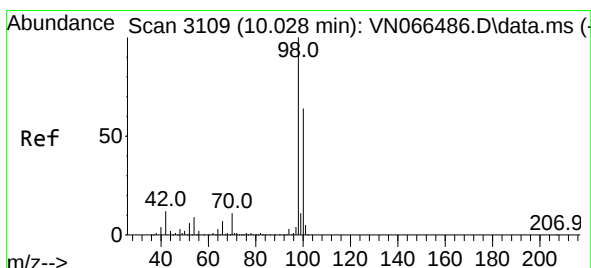
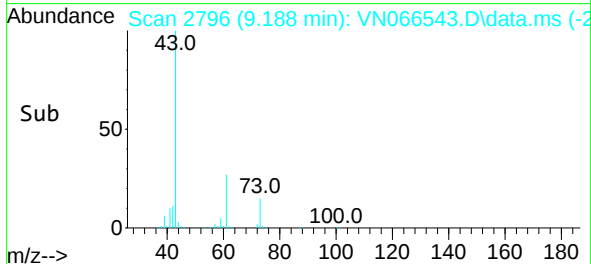
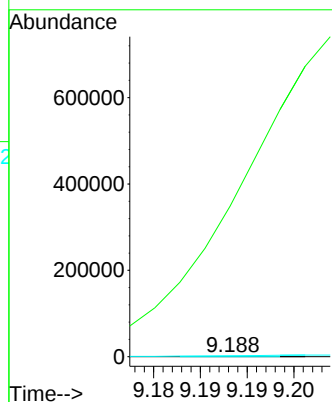
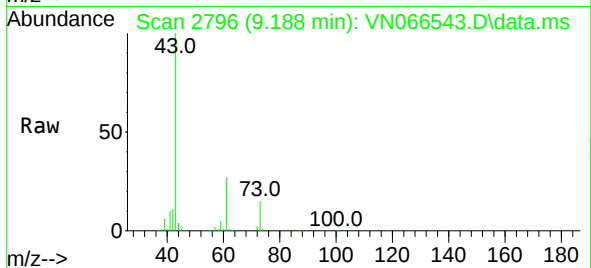




#49
1,4-Dioxane
Concen: 0.97 ug/l
RT: 9.188 min Scan# 2796
Delta R.T. 0.059 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

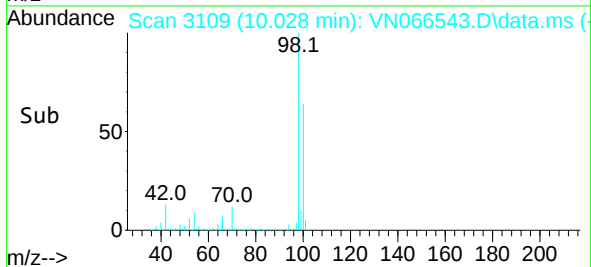
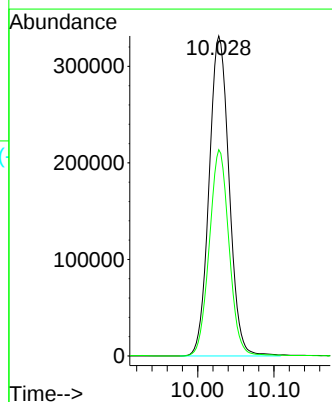
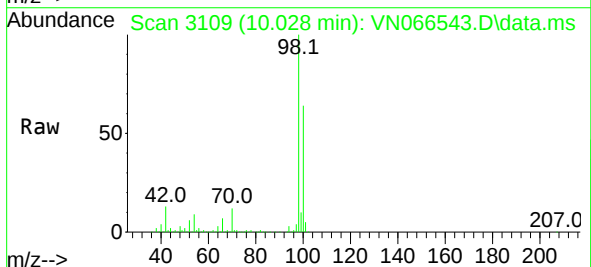
Instrument :
MSVOA_N
ClientSampleId :

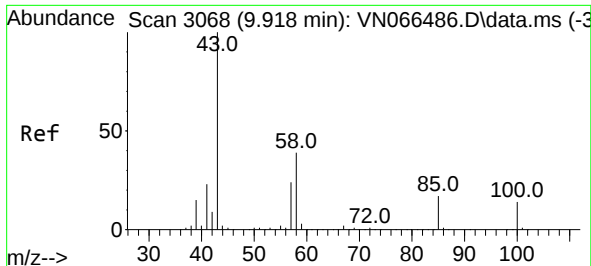
Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 0.0 56.6 84.8#



#50
Toluene-d8
Concen: 49.83 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

Tgt Ion: 98 Resp: 605418
Ion Ratio Lower Upper
98 100
100 63.6 50.5 75.7

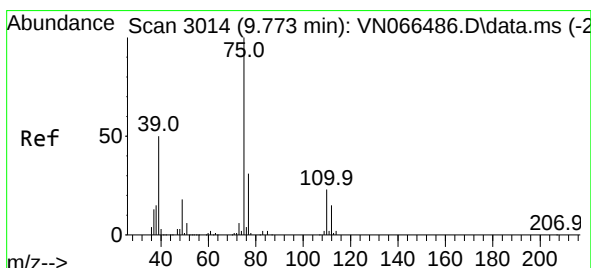
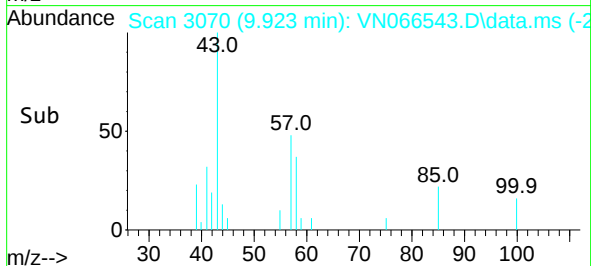
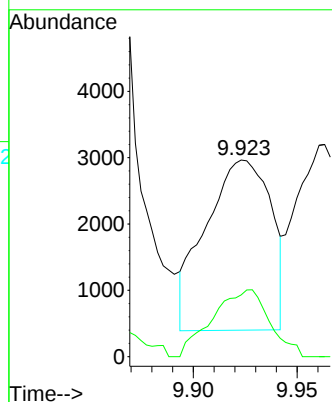
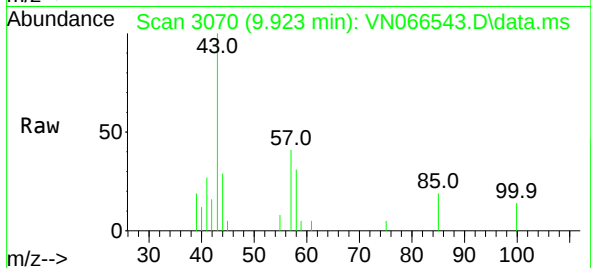




#51
4-Methyl-2-Pentanone
Concen: 1.08 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.005 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

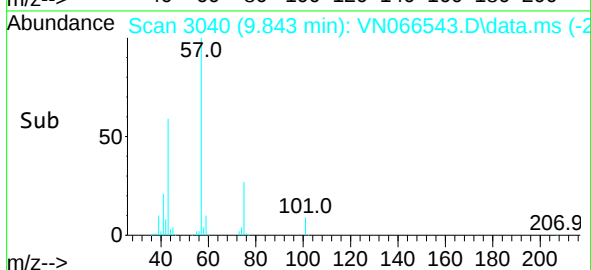
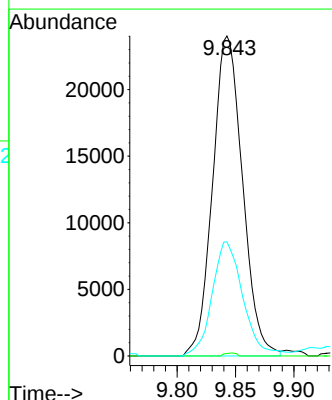
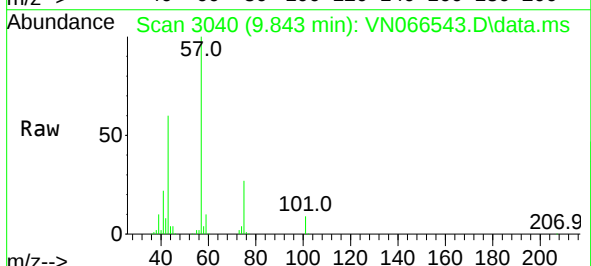
Instrument :
MSVOA_N
ClientSampled :

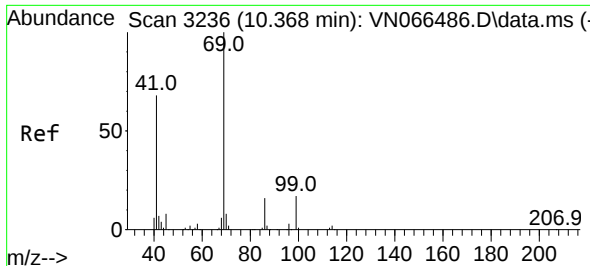
Tgt Ion: 43 Resp: 5614
Ion Ratio Lower Upper
43 100
58 34.4 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 7.34 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

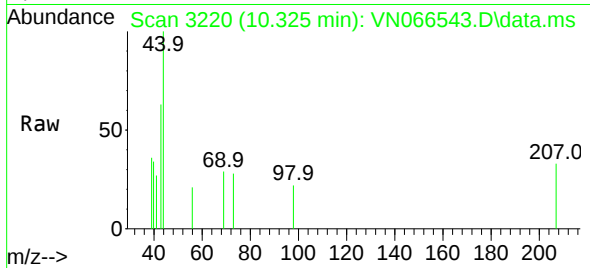
Tgt Ion: 75 Resp: 42701
Ion Ratio Lower Upper
75 100
77 0.7 25.4 38.2#
39 35.7 44.2 66.4#



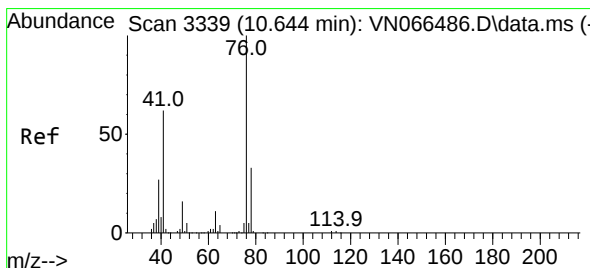
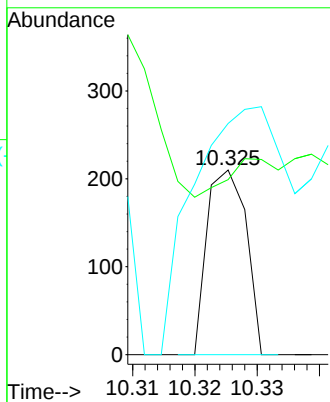
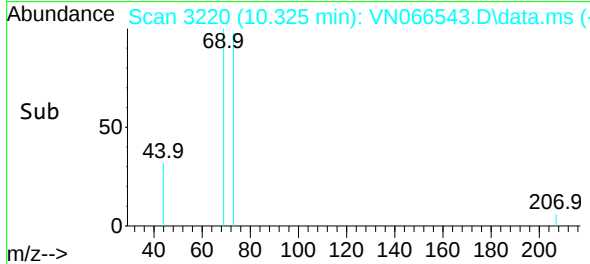


#56
Ethyl methacrylate
Concen: 3.73 ug/l
RT: 10.325 min Scan# 3220
Delta R.T. -0.043 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

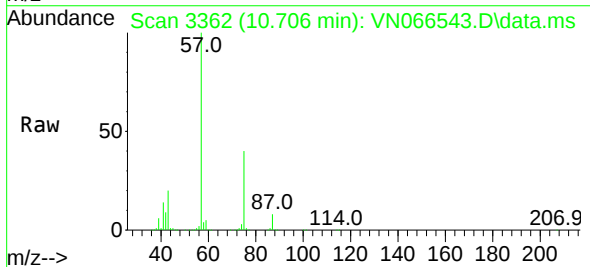
Instrument :
MSVOA_N
ClientSampled :



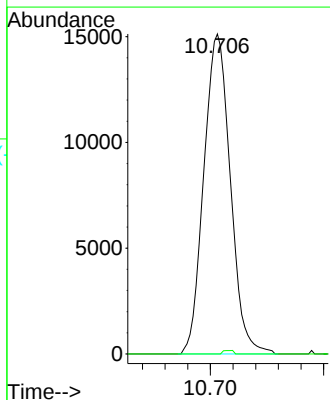
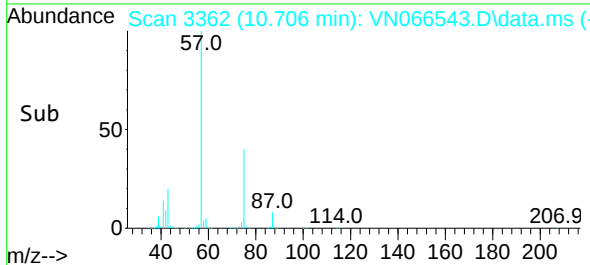
Tgt Ion: 69 Resp: 91
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 323.1 33.8 50.6#

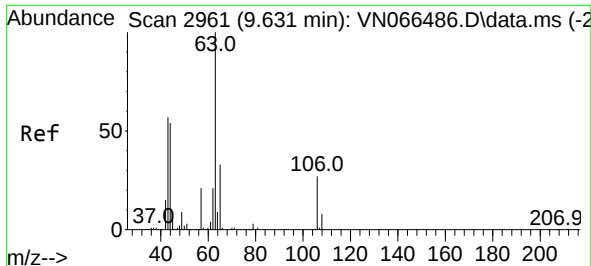


#57
1,3-Dichloropropane
Concen: 4.20 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59



Tgt Ion: 76 Resp: 24584
Ion Ratio Lower Upper
76 100
78 0.4 25.9 38.9#

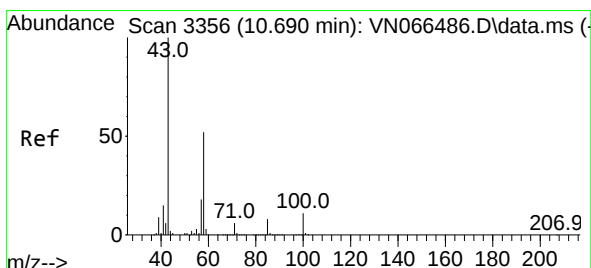
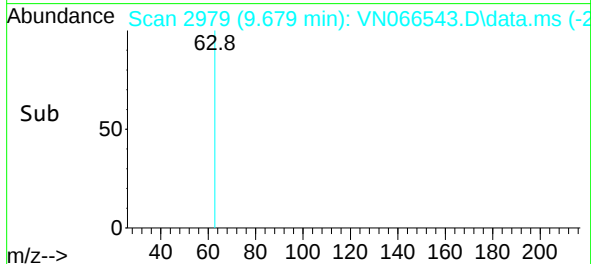
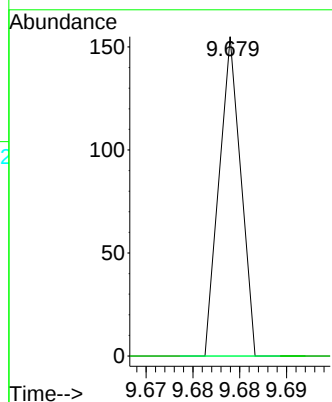
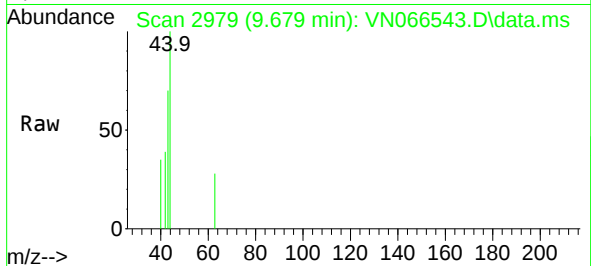




#58
2-Chloroethyl Vinyl ether
Concen: 5.36 ug/l
RT: 9.679 min Scan# 2979
Delta R.T. 0.048 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

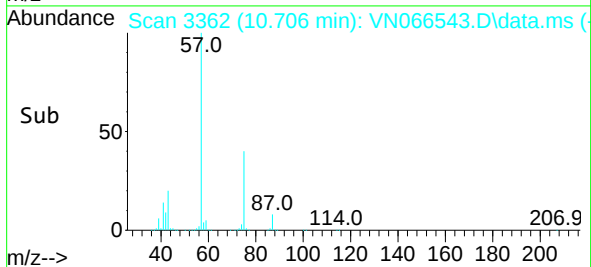
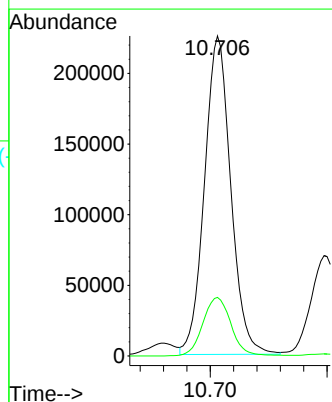
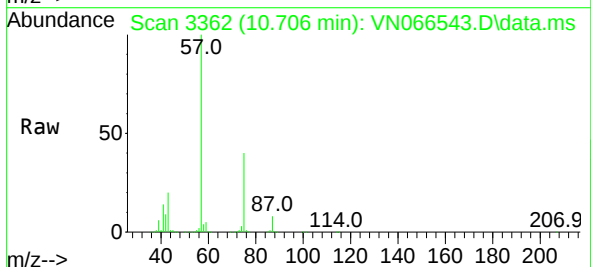
Instrument :
MSVOA_N
ClientSampled :

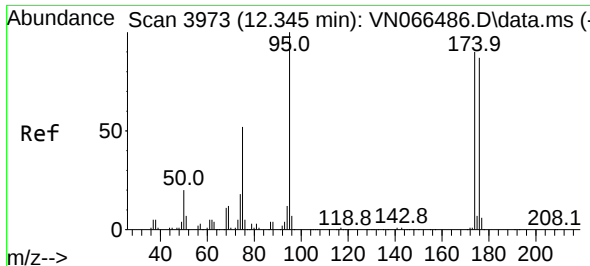
Tgt Ion: 63 Resp: 25
Ion Ratio Lower Upper
63 100
106 0.0 21.0 31.4#



#59
2-Hexanone
Concen: 95.51 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

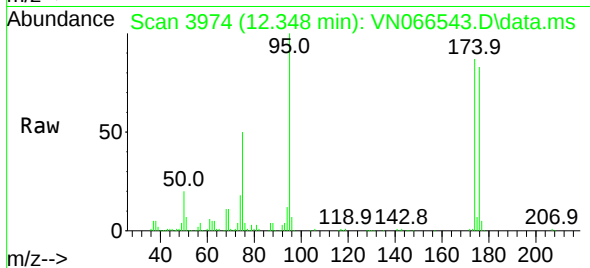
Tgt Ion: 43 Resp: 352186
Ion Ratio Lower Upper
43 100
58 19.8 26.6 79.8#



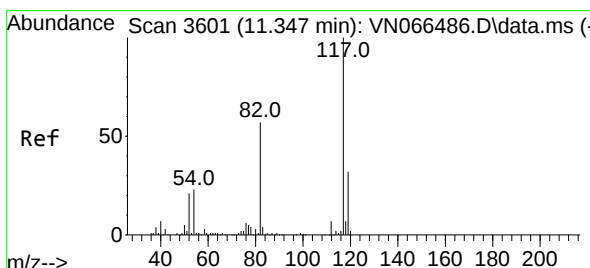
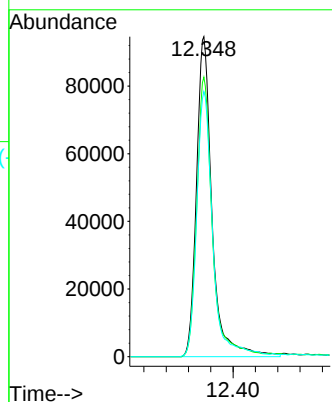
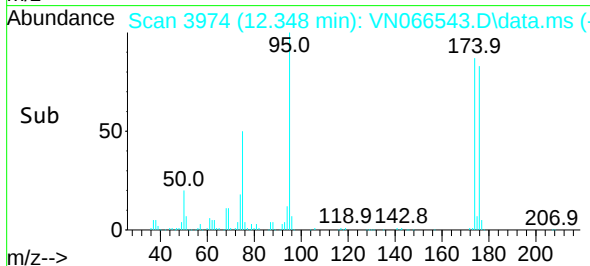


#62
4-Bromofluorobenzene
Concen: 46.46 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

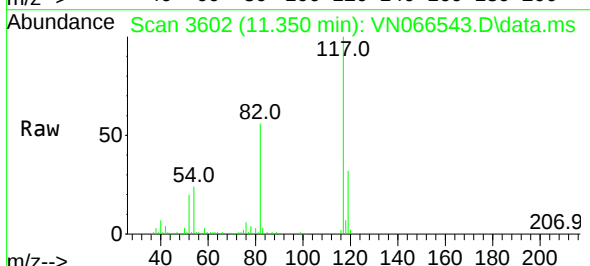
Instrument :
MSVOA_N
ClientSampleId :



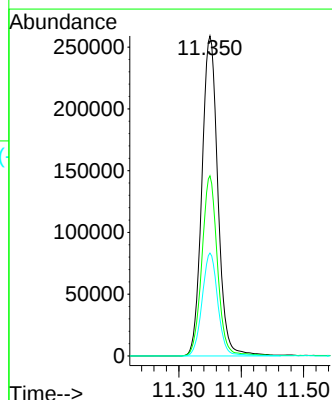
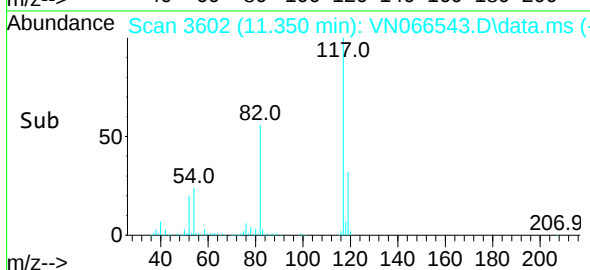
Tgt Ion: 95 Resp: 183022
Ion Ratio Lower Upper
95 100
174 87.4 0.0 172.2
176 85.0 0.0 167.8

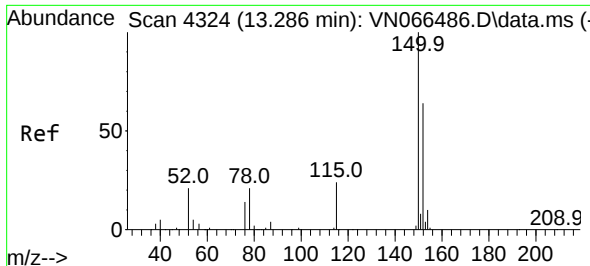


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59



Tgt Ion: 117 Resp: 461105
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.4
119 32.2 25.8 38.6

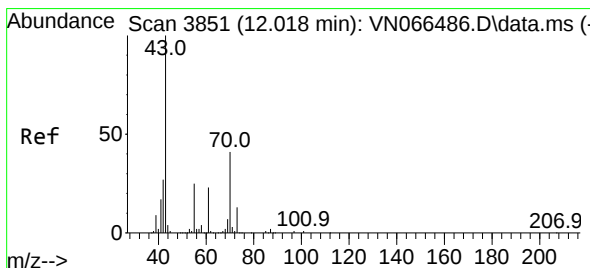
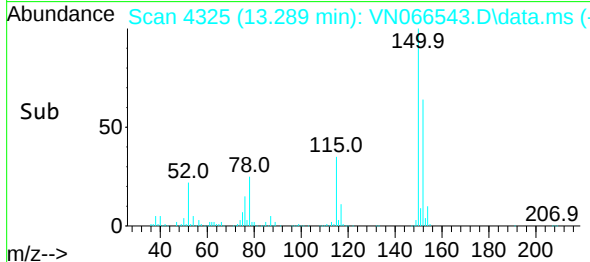
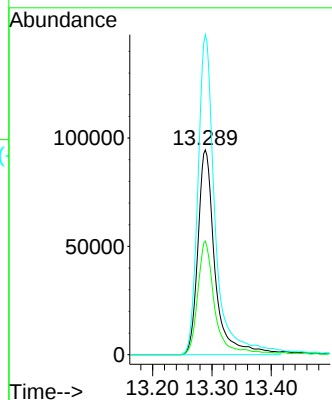
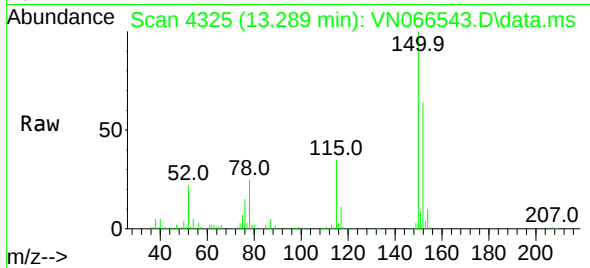




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

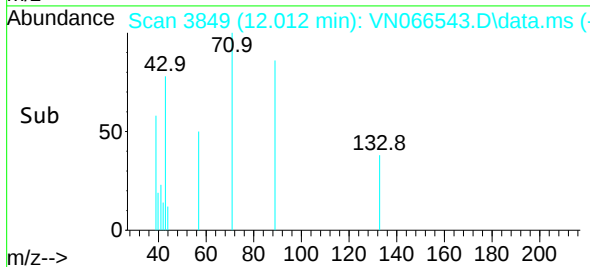
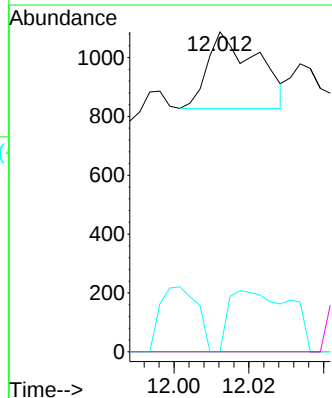
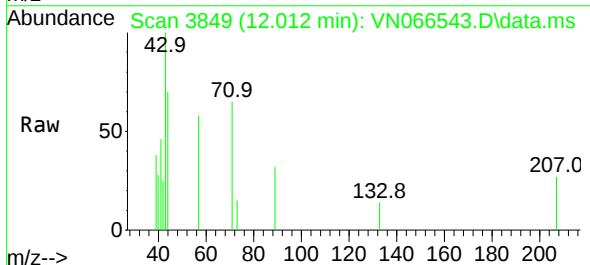
Instrument :
MSVOA_N
ClientSampled :

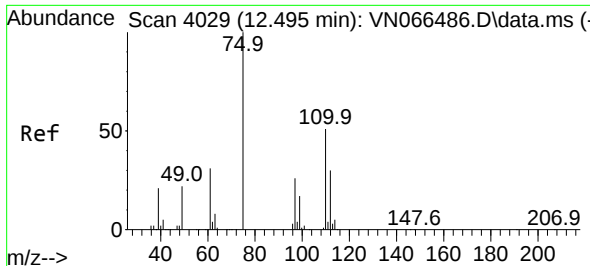
Tgt Ion:152 Resp: 190271
Ion Ratio Lower Upper
152 100
115 52.6 27.8 83.4
150 151.6 0.0 348.4



#74
N-ethyl acetate
Concen: 12.77 ug/l
RT: 12.012 min Scan# 3849
Delta R.T. -0.006 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 100.0 18.6 28.0#
61 0.0 18.2 27.4#

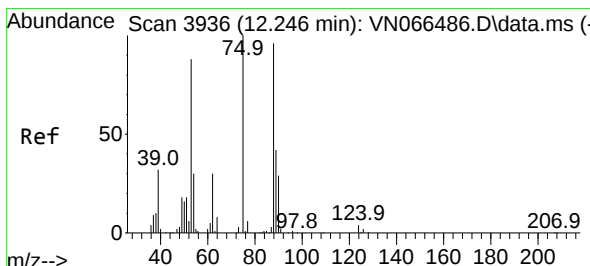
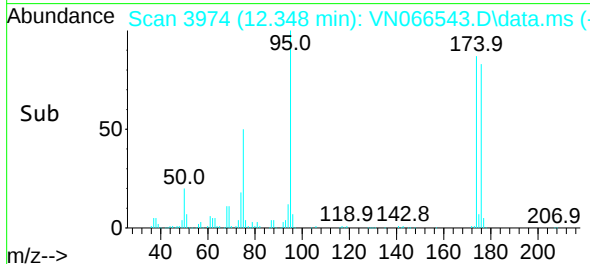
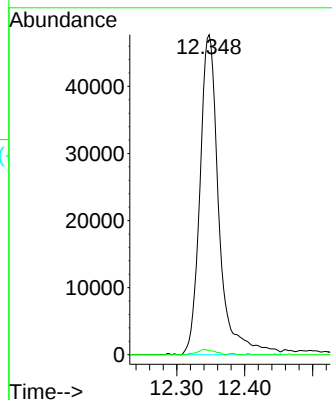
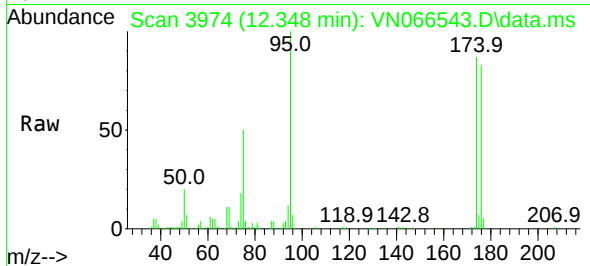




#76
1,2,3-Trichloropropane
Concen: 21.57 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. -0.147 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

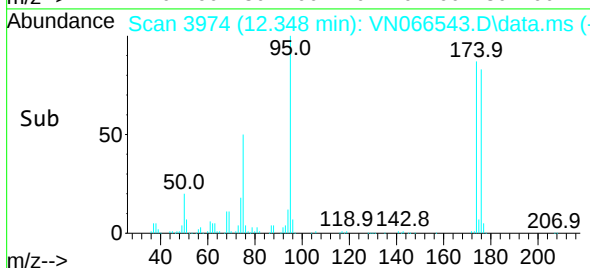
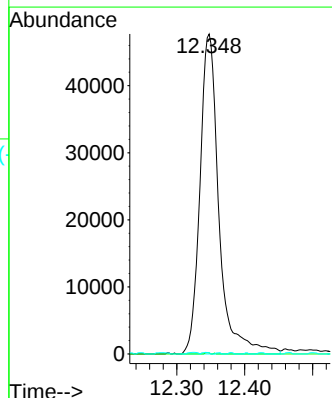
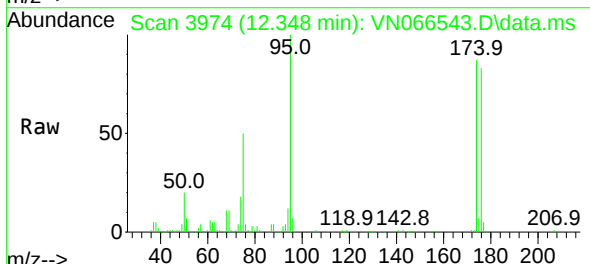
Instrument :
MSVOA_N
ClientSampled :

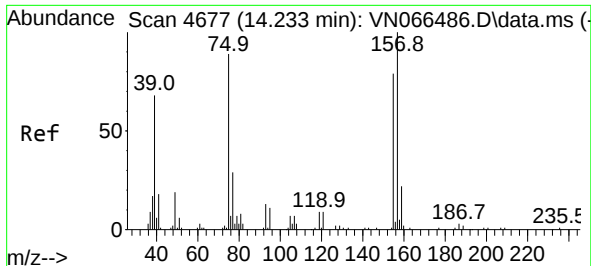
Tgt Ion: 75 Resp: 92587
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.15 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.102 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

Tgt Ion: 75 Resp: 92587
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.2 35.7 53.5#

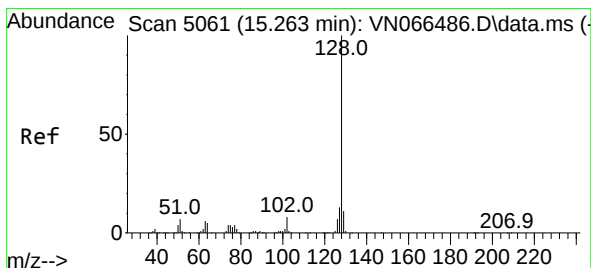
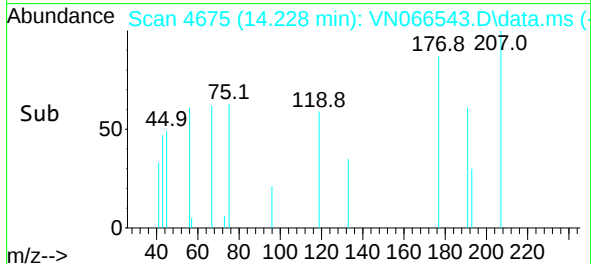
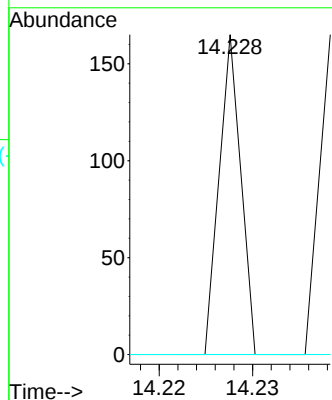
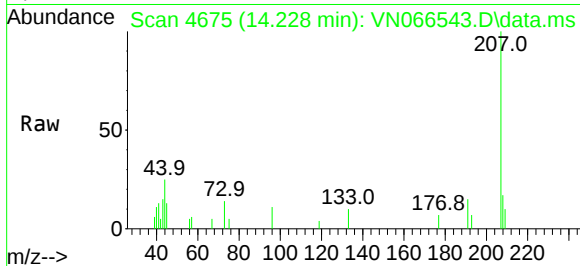




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.36 ug/l
RT: 14.228 min Scan# 4675
Delta R.T. -0.005 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

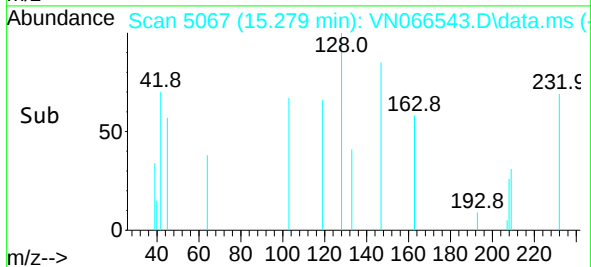
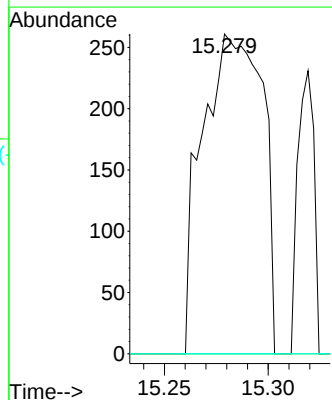
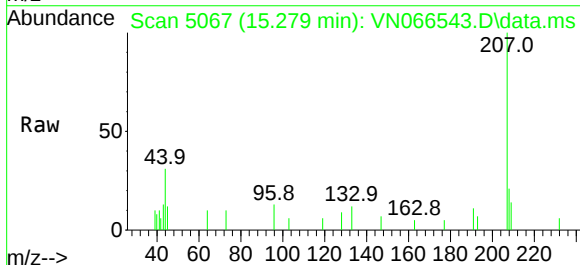
Instrument :
MSVOA_N
ClientSampled :

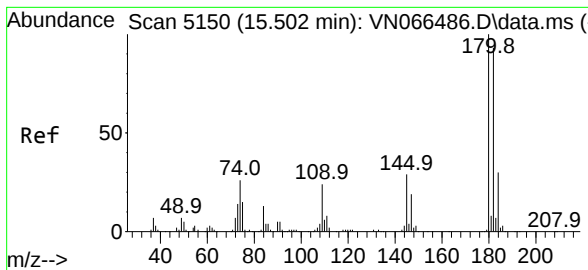
Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#



#95
Naphthalene
Concen: 2.02 ug/l
RT: 15.279 min Scan# 5067
Delta R.T. 0.016 min
Lab File: VN066543.D
Acq: 8 Apr 2021 15:59

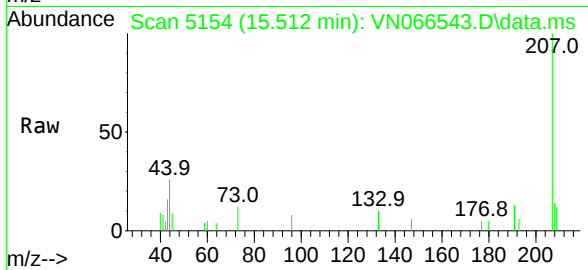
Tgt Ion: 128 Resp: 525
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.62 ug/l
 RT: 15.512 min Scan# 5154
 Delta R.T. 0.010 min
 Lab File: VN066543.D
 Acq: 8 Apr 2021 15:59

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 28
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.9#
 145 0.0 15.4 46.1#

