

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066255.D
 Acq On : 18 Mar 2021 15:07
 Operator : JC/MD
 Sample : PB135215ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:26:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

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

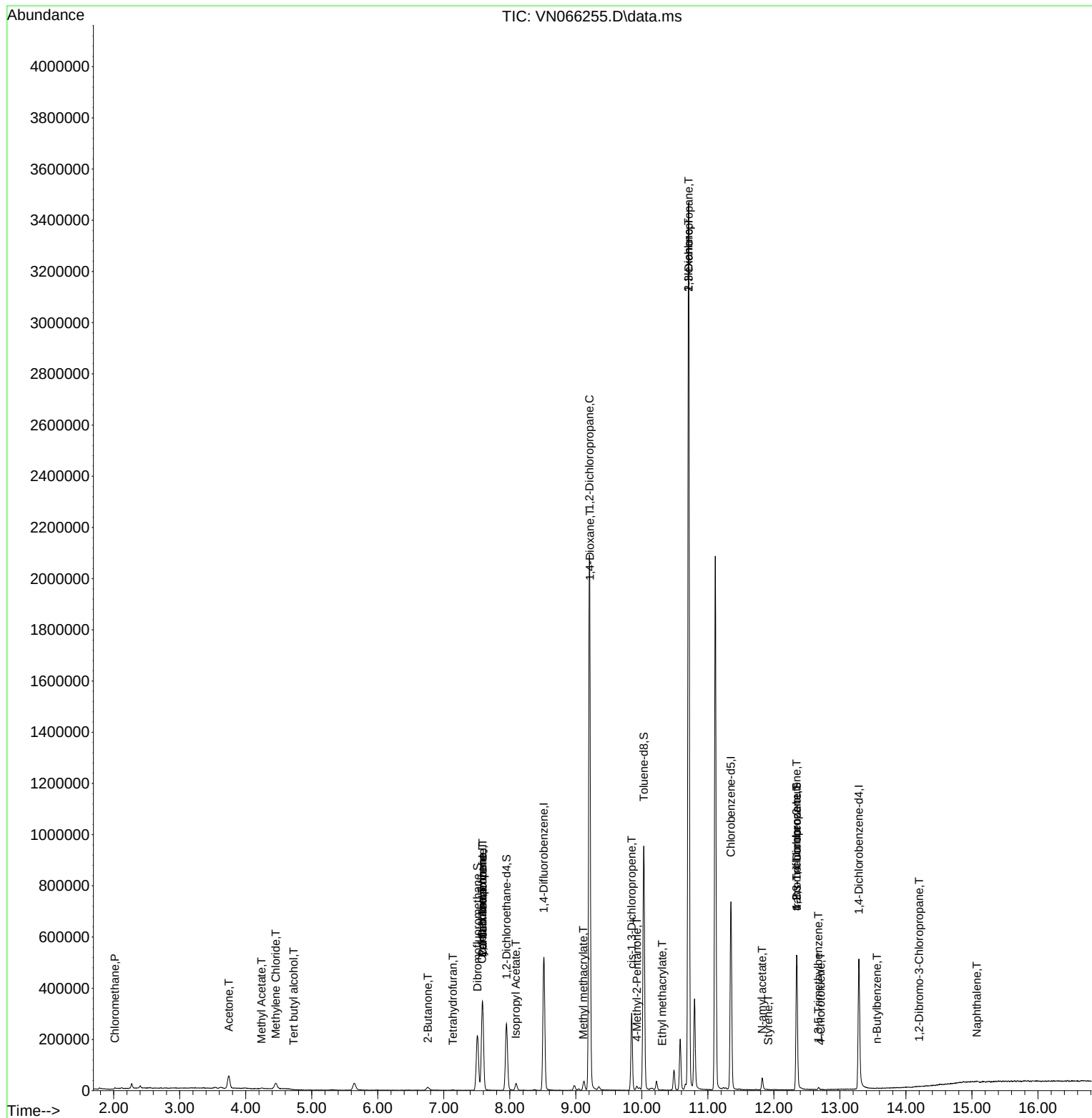
Internal Standards						
1) Pentafluorobenzene	7.585	168	301726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	461315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	416094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	156682	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	215659	49.61	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.22%		
35) Dibromofluoromethane	7.509	113	168195	57.15	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	114.30%		
50) Toluene-d8	10.028	98	647505	56.90	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	113.80%#		
62) 4-Bromofluorobenzene	12.345	95	180520	44.01	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.02%		
Target Compounds						Qvalue
3) Chloromethane	2.017	50	2680	0.25	ug/l	93
11) Tert butyl alcohol	4.726	59	677	0.91	ug/l #	73
13) Acrolein	3.540	56	3669	Below Cal		89
16) Acetone	3.741	43	80657	38.62	ug/l	97
18) Methyl Acetate	4.237	43	4544	0.78	ug/l #	81
20) Methylene Chloride	4.455	84	13870	4.25	ug/l	89
25) 2-Butanone	6.759	43	14200	4.38	ug/l	99
29) Tetrahydrofuran	7.139	42	1201	0.54	ug/l #	57
31) Cyclohexane	7.579	56	2298	0.35	ug/l #	1
36) 1,1-Dichloropropene	7.585	75	20974	4.49	ug/l #	47
38) Carbon Tetrachloride	7.587	117	26209	6.26	ug/l #	19
43) Isopropyl Acetate	8.091	43	31181	3.02	ug/l #	94
45) 1,2-Dichloropropane	9.207	63	2519	0.62	ug/l #	44
48) Methyl methacrylate	9.111	41	9532	1.95	ug/l #	21
49) 1,4-Dioxane	9.213	88	25	0.47	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	11412	1.83	ug/l	98
54) cis-1,3-Dichloropropene	9.845	75	49176	8.12	ug/l #	56
56) Ethyl methacrylate	10.307	69	164	2.19	ug/l #	17
57) 1,3-Dichloropropane	10.709	76	32349	5.39	ug/l #	43
59) 2-Hexanone	10.706	43	507837	104.87	ug/l #	57
70) Styrene	11.913	104	27	2.15	ug/l #	36
74) N-amyl acetate	11.822	43	16797	4.80	ug/l #	60
76) 1,2,3-Trichloropropane	12.345	75	86089	21.28	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.675	105	3471	0.38	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.345	75	86089	63.67	ug/l #	11
82) 4-Chlorotoluene	12.707	91	116	0.48	ug/l #	43
89) n-Butylbenzene	13.560	91	333	2.27	ug/l #	39
92) 1,2-Dibromo-3-Chloropr...	14.201	75	120	0.97	ug/l #	8
95) Naphthalene	15.073	128	1884	0.21	ug/l #	73

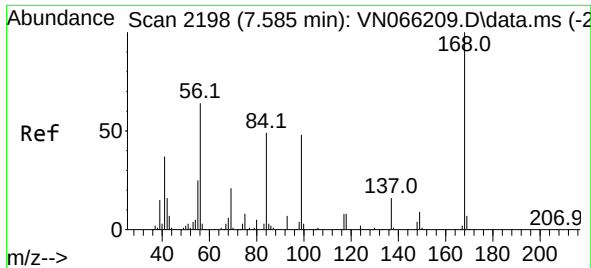
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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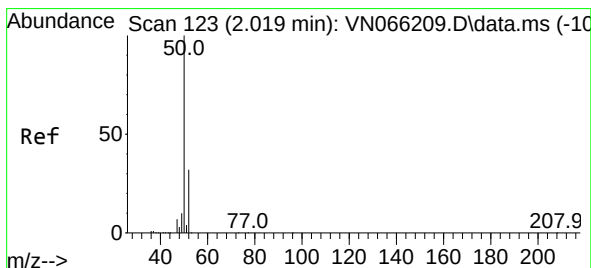
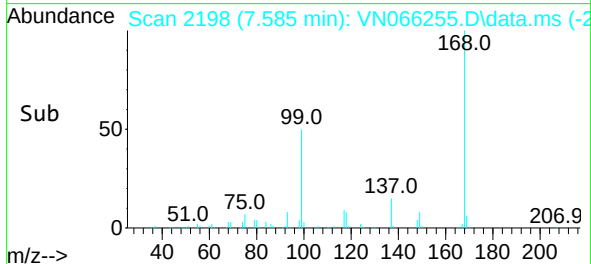
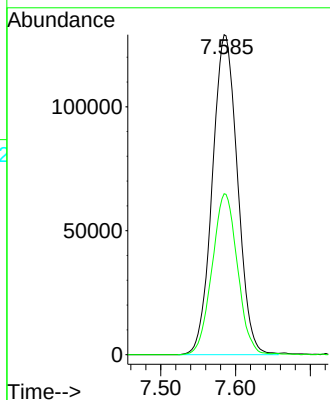
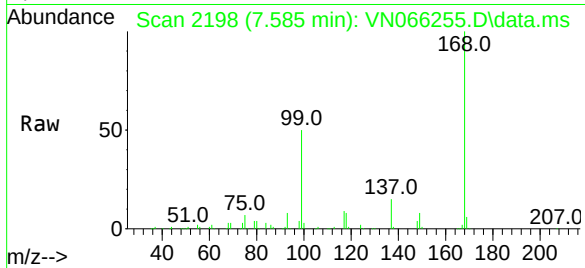




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

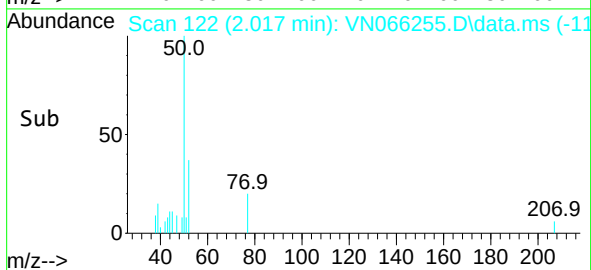
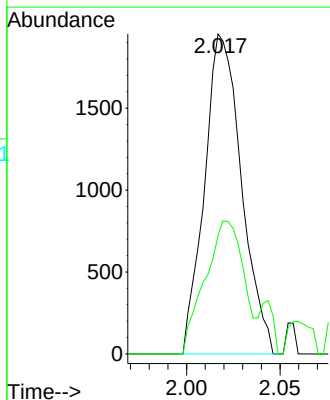
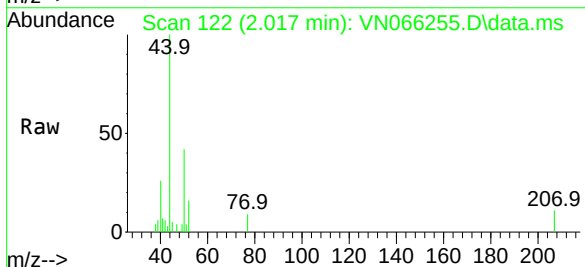
Instrument :
MSVOA_N
ClientSampled :

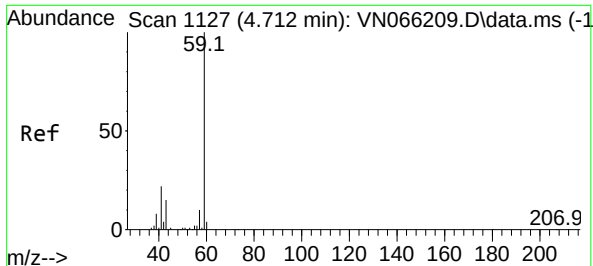
Tgt Ion:168 Resp: 301726
Ion Ratio Lower Upper
168 100
99 50.3 45.4 68.0



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.002 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion: 50 Resp: 2680
Ion Ratio Lower Upper
50 100
52 36.9 26.2 39.4

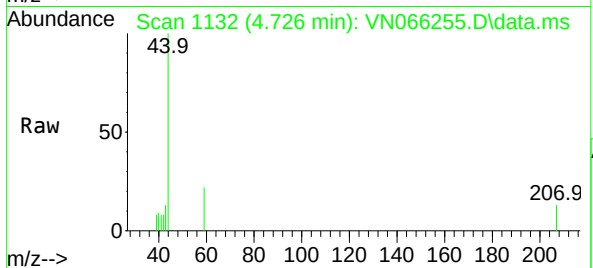




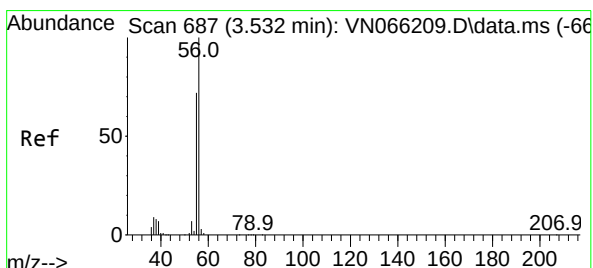
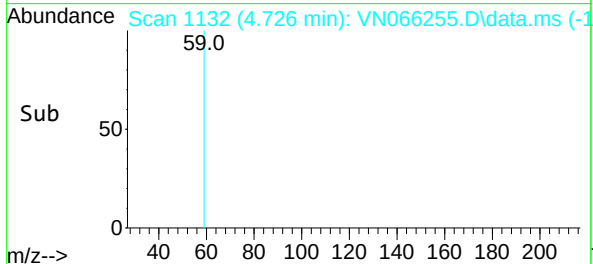
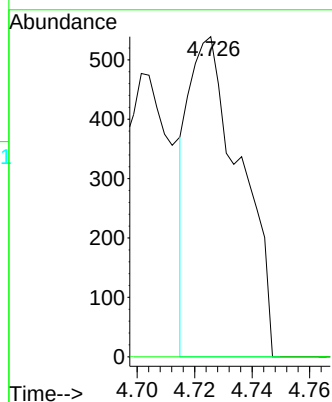
#11

Tert butyl alcohol
Concen: 0.91 ug/l
RT: 4.726 min Scan# 1132
Delta R.T. 0.014 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Instrument :
MSVOA_N
ClientSampled :



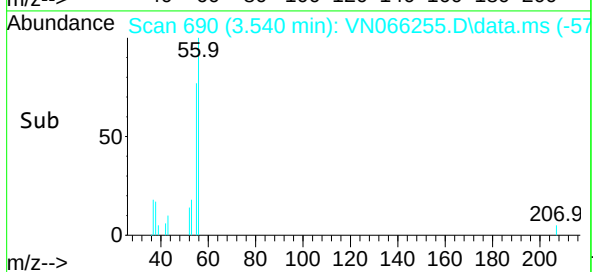
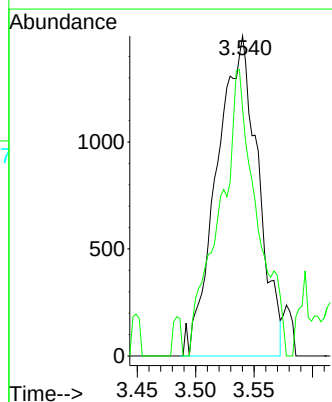
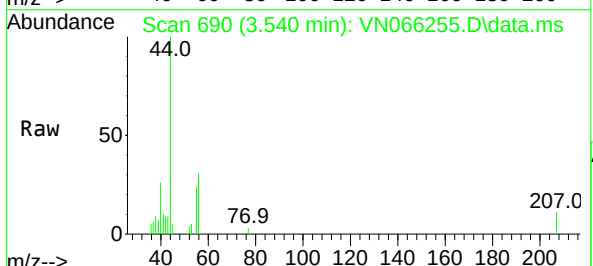
Tgt Ion: 59 Resp: 677
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

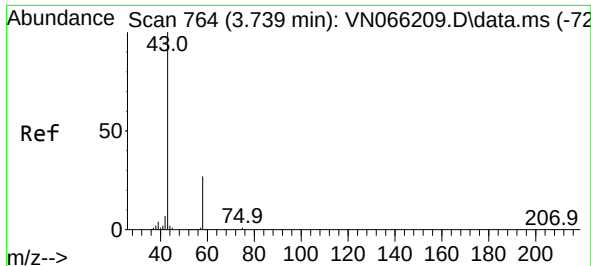


#13

Acrolein
Concen: Below Cal
RT: 3.540 min Scan# 690
Delta R.T. 0.008 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion: 56 Resp: 3669
Ion Ratio Lower Upper
56 100
55 81.5 58.0 87.0

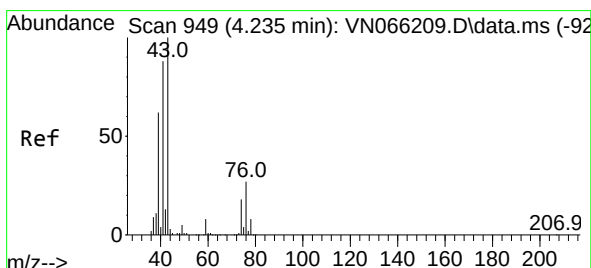
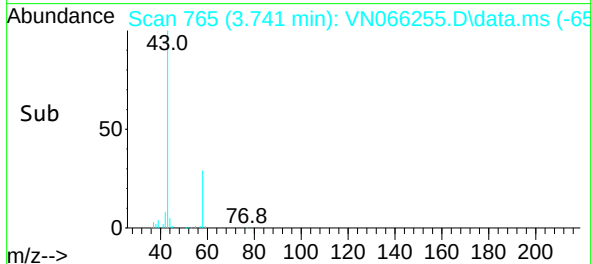
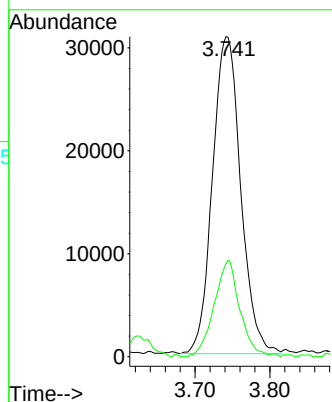
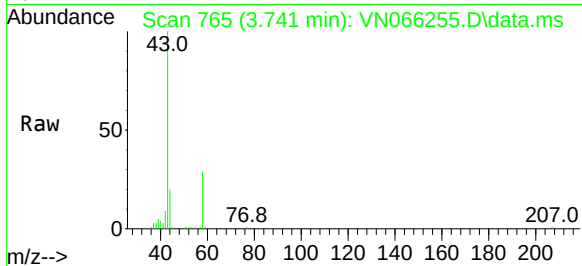




#16
Acetone
Concen: 38.62 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

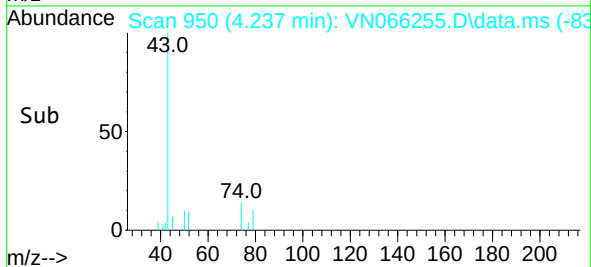
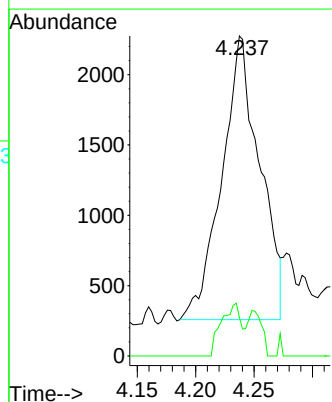
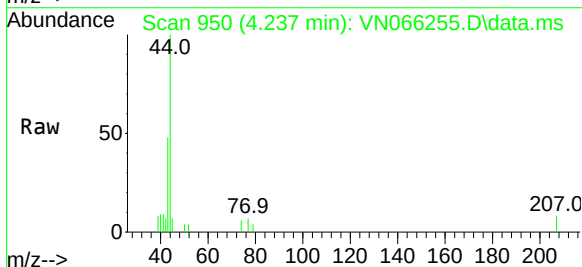
Instrument :
MSVOA_N
ClientSampled :

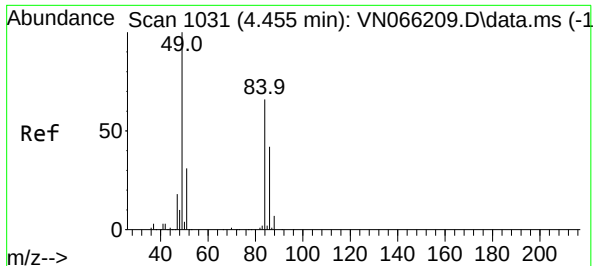
Tgt Ion: 43 Resp: 80657
Ion Ratio Lower Upper
43 100
58 29.3 22.3 33.5



#18
Methyl Acetate
Concen: 0.78 ug/l
RT: 4.237 min Scan# 950
Delta R.T. 0.002 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

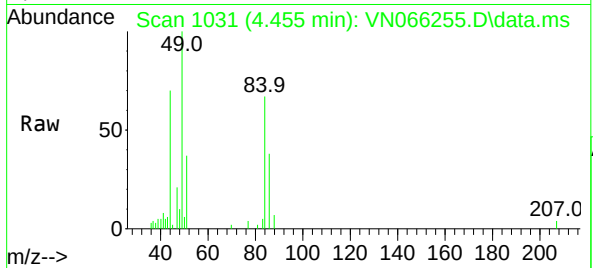
Tgt Ion: 43 Resp: 4544
Ion Ratio Lower Upper
43 100
74 9.4 14.2 21.2#





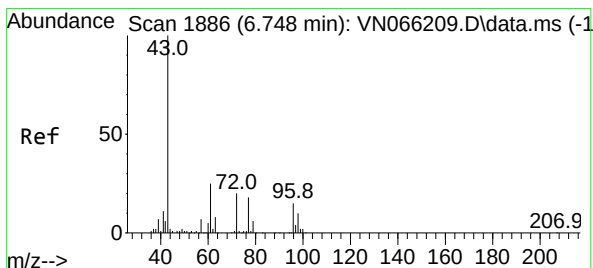
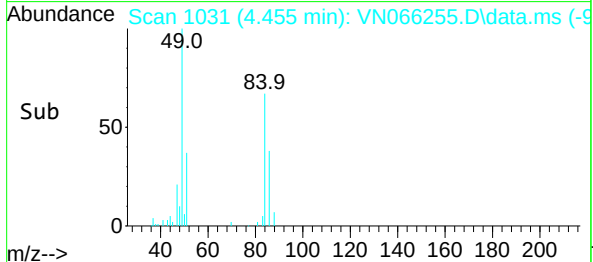
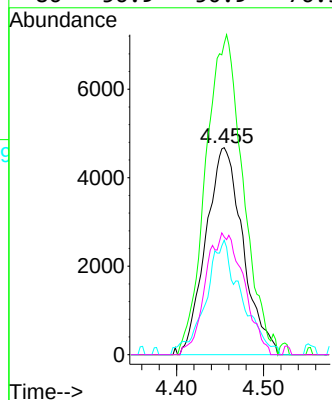
#20
Methylene Chloride
Concen: 4.25 ug/l
RT: 4.455 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Instrument :
MSVOA_N
ClientSampled :

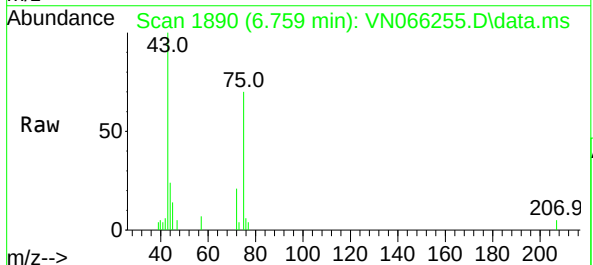


Tgt Ion: 84 Resp: 13870

Ion	Ratio	Lower	Upper
84	100		
49	146.3	130.0	195.0
51	55.2	39.1	58.7
86	56.9	50.9	76.3

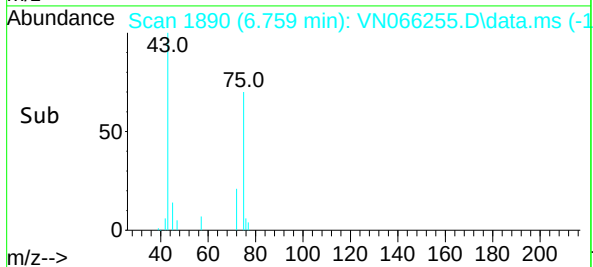
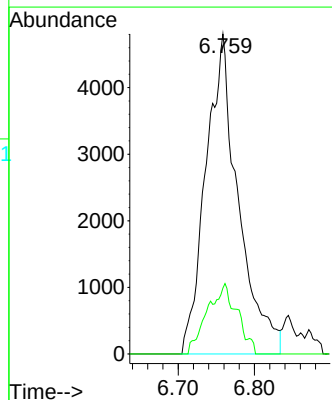


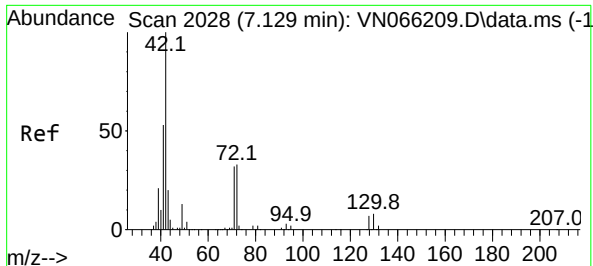
#25
2-Butanone
Concen: 4.38 ug/l
RT: 6.759 min Scan# 1890
Delta R.T. 0.011 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07



Tgt Ion: 43 Resp: 14200

Ion	Ratio	Lower	Upper
43	100		
72	20.6	16.2	24.2





#29

Tetrahydrofuran

Concen: 0.54 ug/l

RT: 7.139 min Scan# 2032

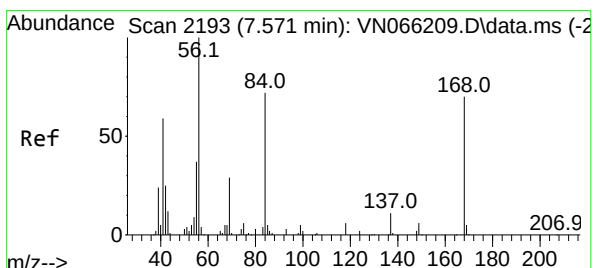
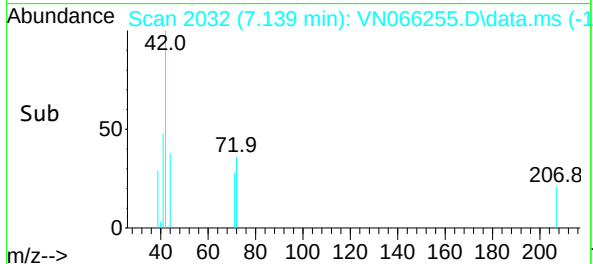
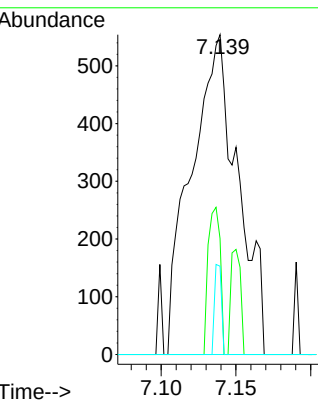
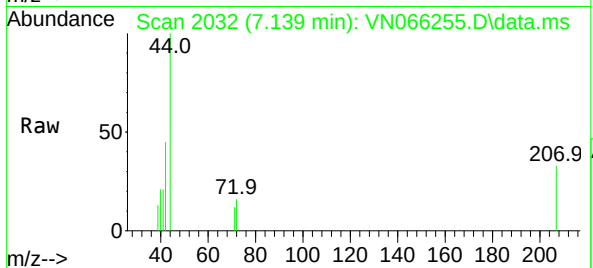
Delta R.T. 0.010 min

Lab File: VN066255.D

Acq: 18 Mar 2021 15:07

Tgt Ion:	42	Resp:	1201
Ion	Ratio	Lower	Upper
42	100		
72	11.9	26.2	39.4#
71	4.2	25.4	38.2#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 0.35 ug/l

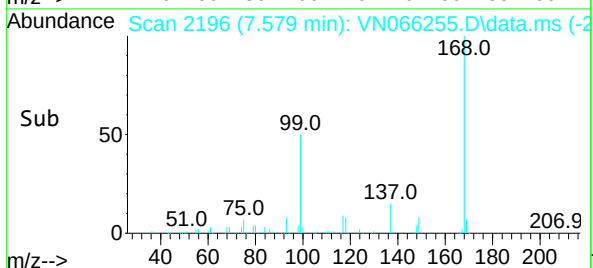
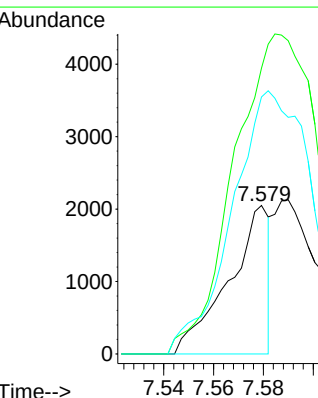
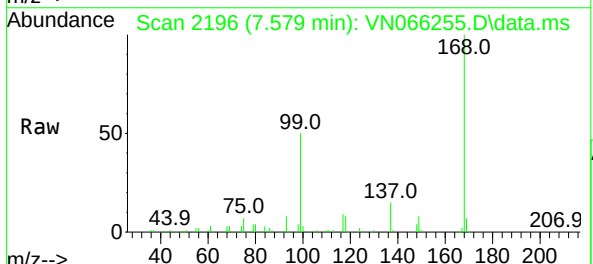
RT: 7.579 min Scan# 2196

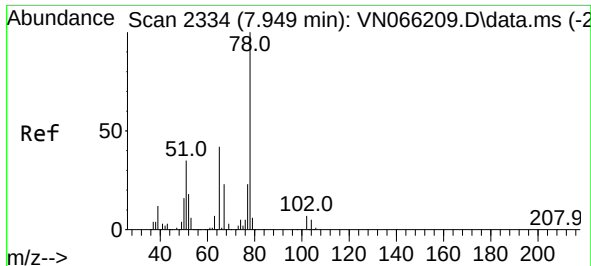
Delta R.T. 0.008 min

Lab File: VN066255.D

Acq: 18 Mar 2021 15:07

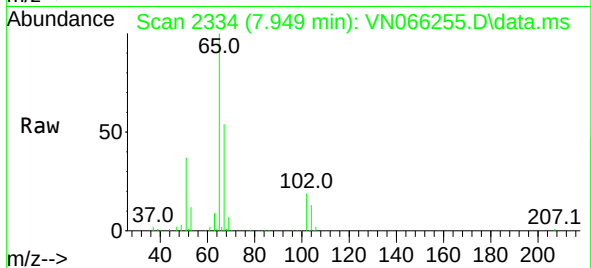
Tgt Ion:	56	Resp:	2298
Ion	Ratio	Lower	Upper
56	100		
69	192.6	23.4	35.0#
84	173.1	57.8	86.6#



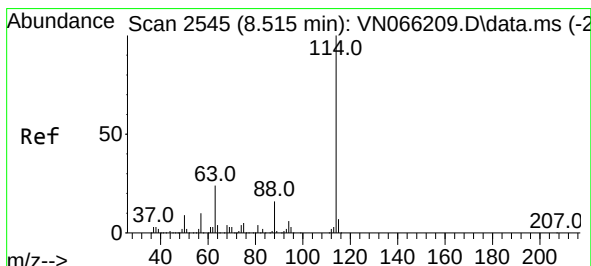
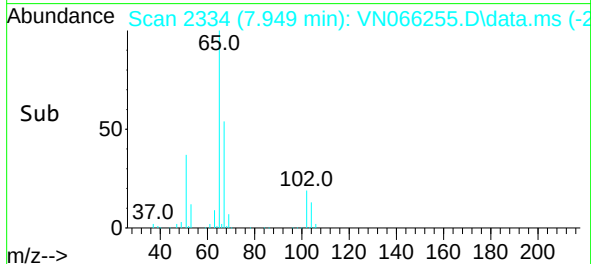
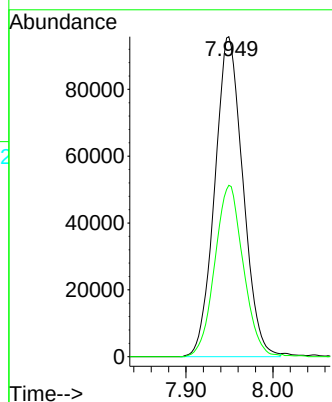


#33
1,2-Dichloroethane-d4
Concen: 49.61 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Instrument :
MSVOA_N
ClientSampled :

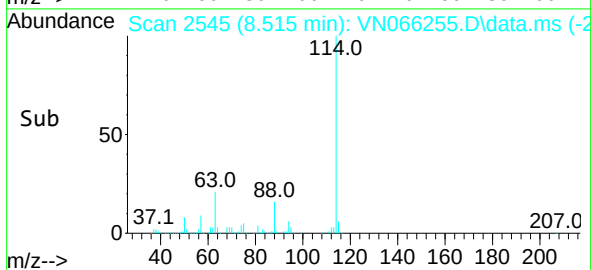
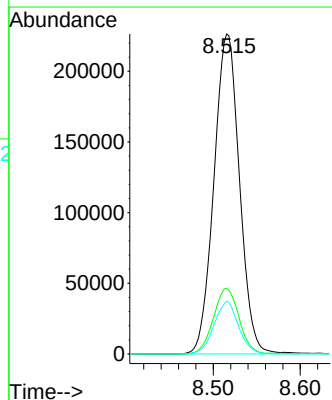
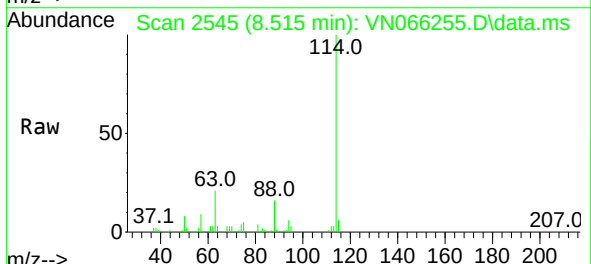


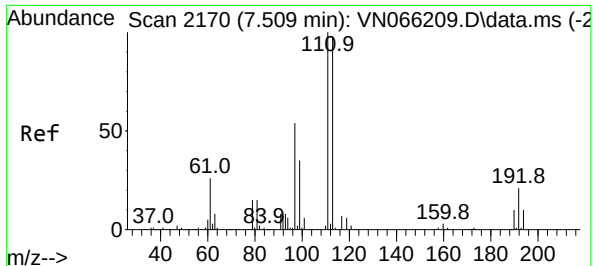
Tgt Ion: 65 Resp: 215659
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion: 114 Resp: 461315
Ion Ratio Lower Upper
114 100
63 20.6 0.0 49.2
88 16.4 0.0 33.8

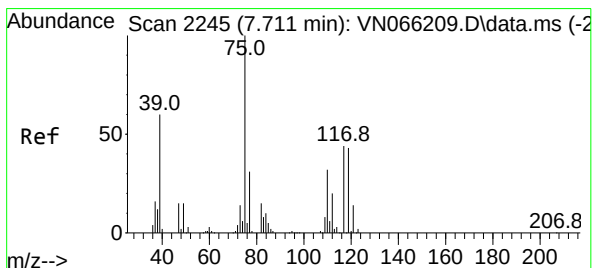
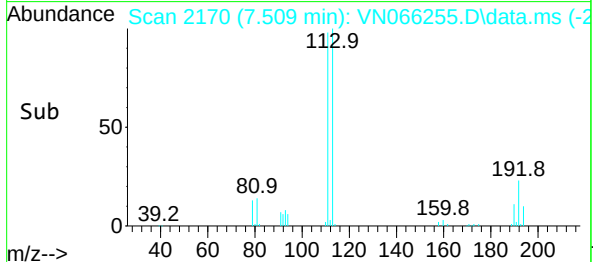
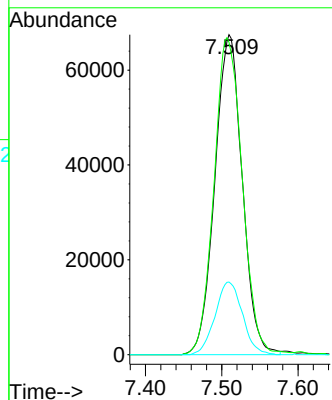
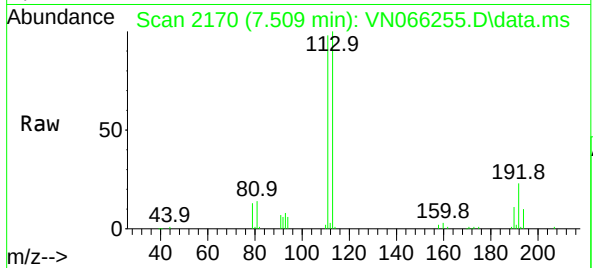




#35
Dibromofluoromethane
Concen: 57.15 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

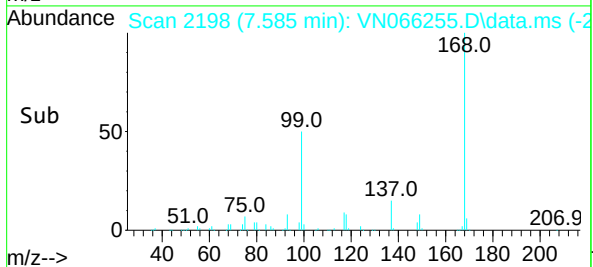
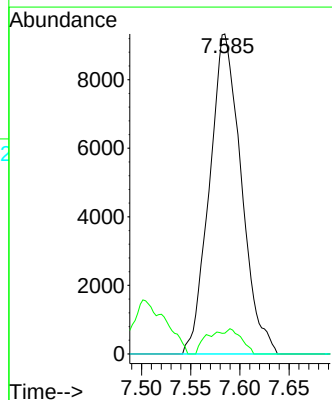
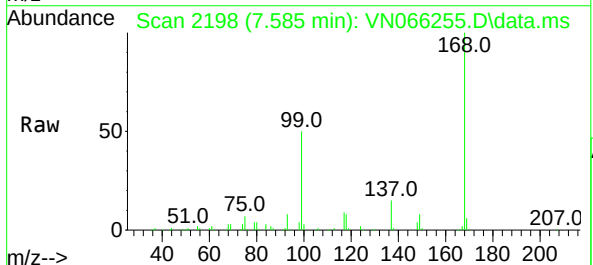
Instrument :
MSVOA_N
ClientSampleId :

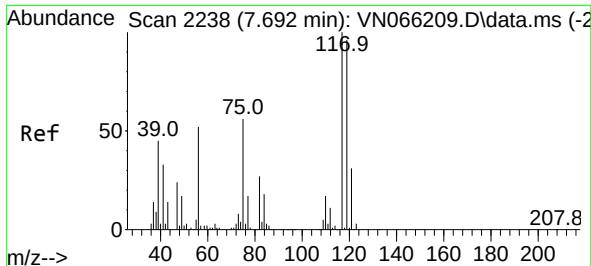
Tgt Ion:113 Resp: 168195
Ion Ratio Lower Upper
113 100
111 102.3 84.0 126.0
192 22.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.49 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

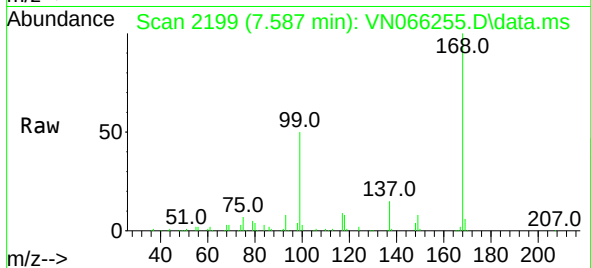
Tgt Ion: 75 Resp: 20974
Ion Ratio Lower Upper
75 100
110 3.9 16.0 48.0#
77 0.0 24.9 37.3#



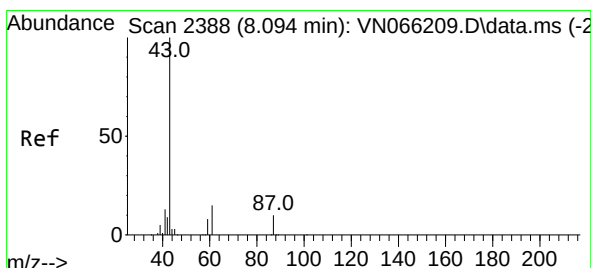
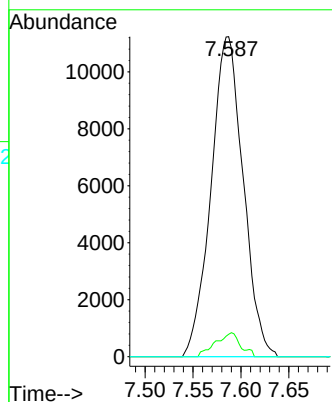
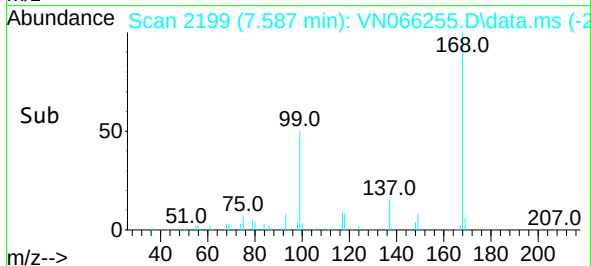


#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.105 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

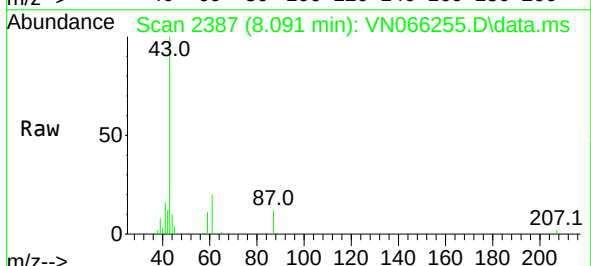
Instrument :
MSVOA_N
ClientSampled :



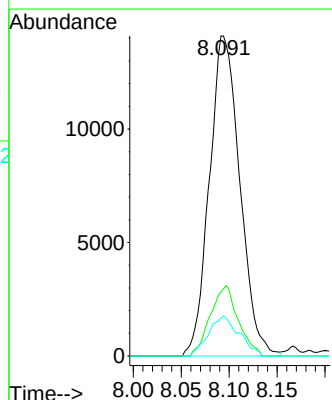
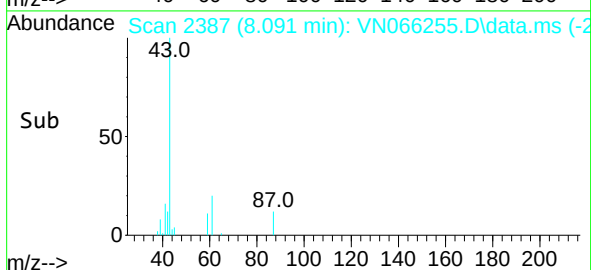
Tgt Ion: 117 Resp: 26209
Ion Ratio Lower Upper
117 100
119 7.0 74.6 111.8#
121 0.0 23.9 35.9#

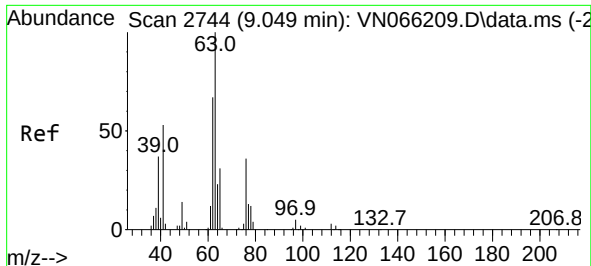


#43
Isopropyl Acetate
Concen: 3.02 ug/l
RT: 8.091 min Scan# 2387
Delta R.T. -0.003 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07



Tgt Ion: 43 Resp: 31181
Ion Ratio Lower Upper
43 100
61 20.1 14.0 21.0
87 12.5 7.9 11.9#

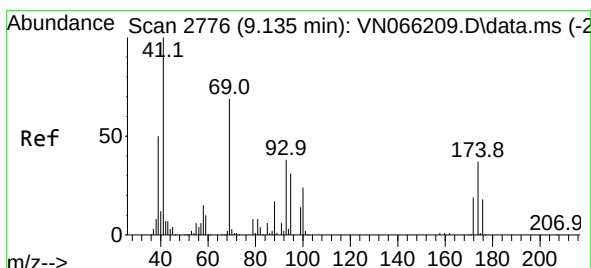
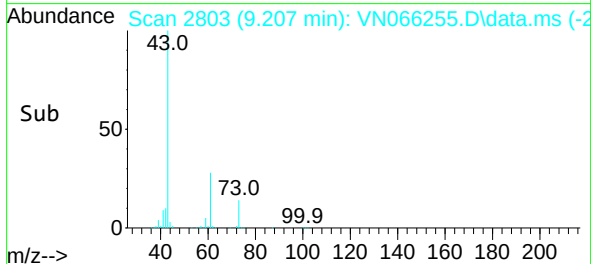
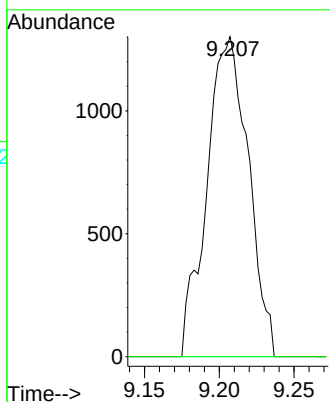
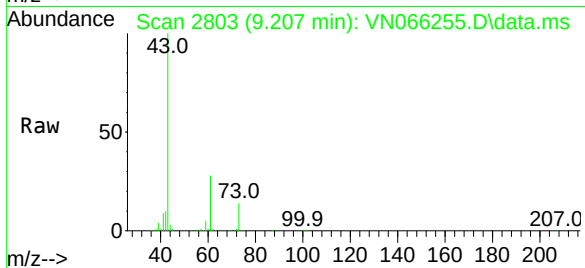




#45
1,2-Dichloropropane
Concen: 0.62 ug/l
RT: 9.207 min Scan# 2803
Delta R.T. 0.158 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

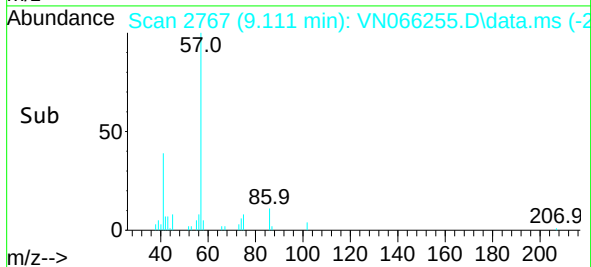
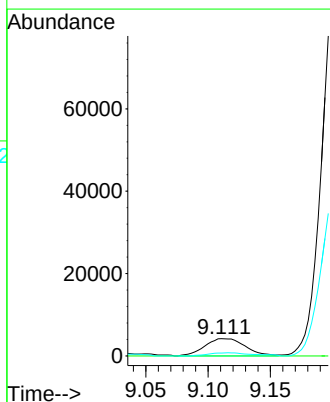
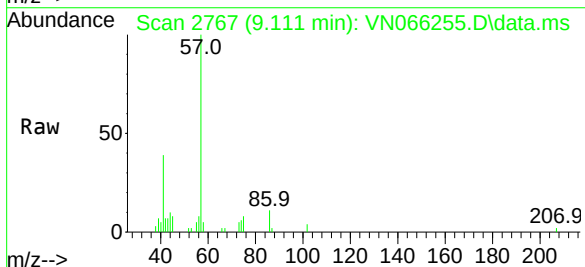
Instrument :
MSVOA_N
ClientSampled :

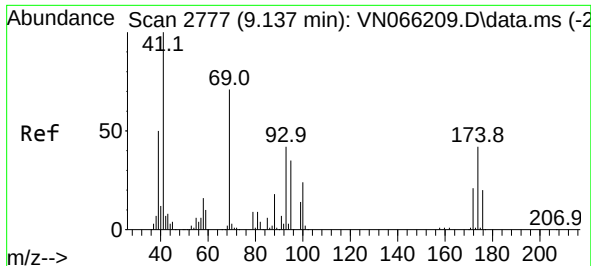
Tgt Ion: 63 Resp: 2519
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.95 ug/l
RT: 9.111 min Scan# 2767
Delta R.T. -0.024 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion: 41 Resp: 9532
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 0.0 40.2 60.2#





#49

1,4-Dioxane

Concen: 0.47 ug/l

RT: 9.213 min Scan# 2805

Delta R.T. 0.076 min

Lab File: VN066255.D

Acq: 18 Mar 2021 15:07

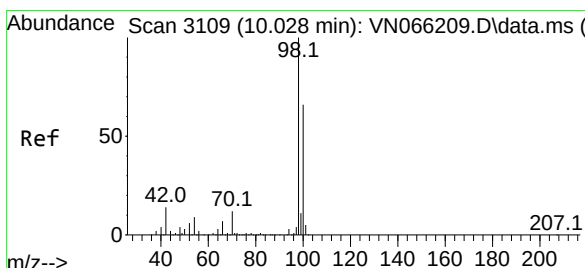
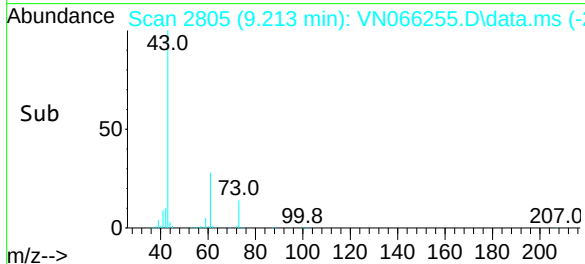
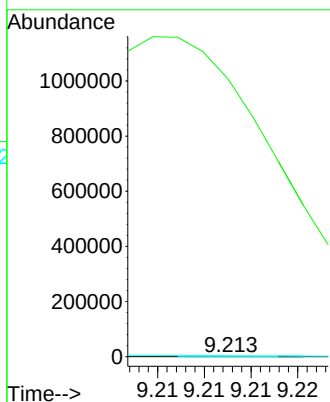
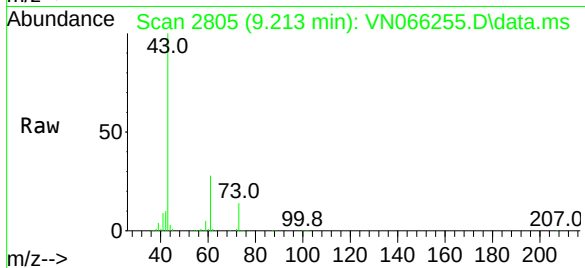
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 8393224.0 34.4 51.6#

58 37396.0 67.3 100.9#



#50

Toluene-d8

Concen: 56.90 ug/l

RT: 10.028 min Scan# 3109

Delta R.T. -0.000 min

Lab File: VN066255.D

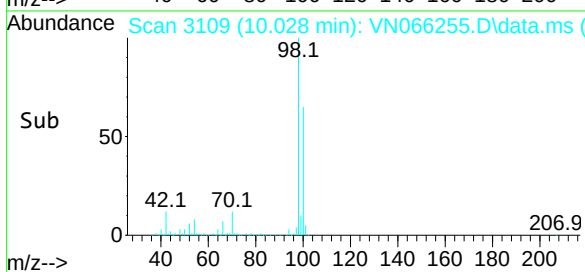
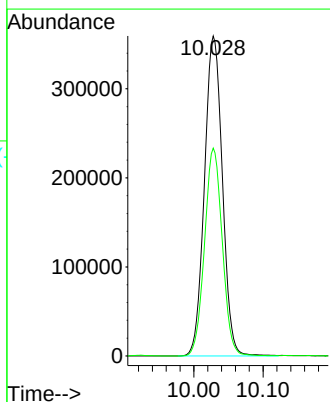
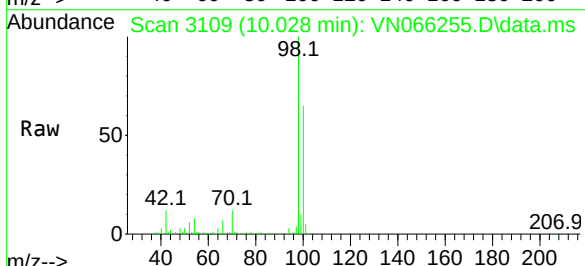
Acq: 18 Mar 2021 15:07

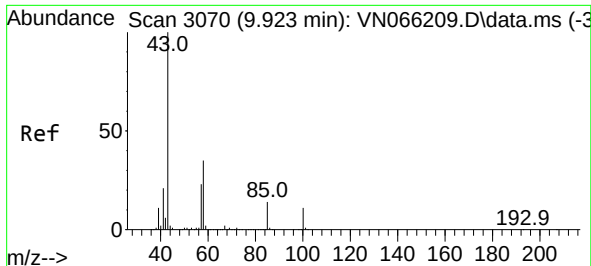
Tgt Ion: 98 Resp: 647505

Ion Ratio Lower Upper

98 100

100 64.2 51.0 76.6

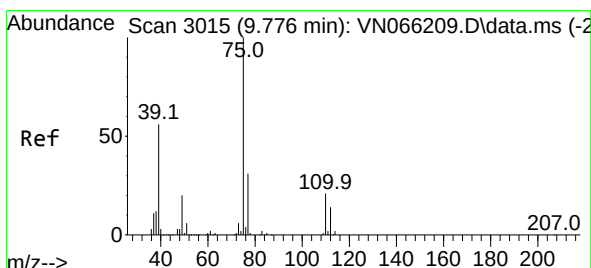
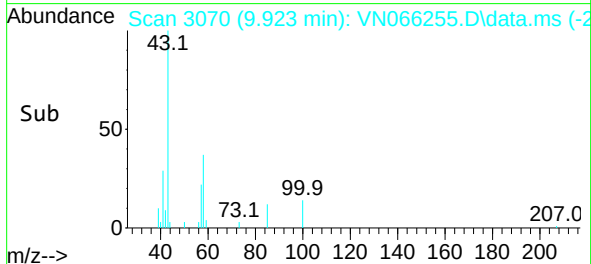
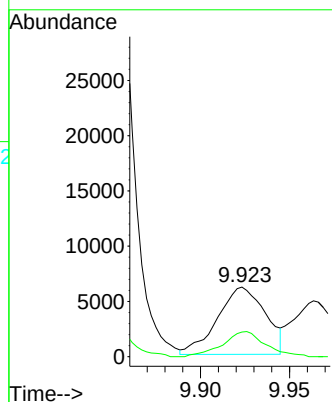
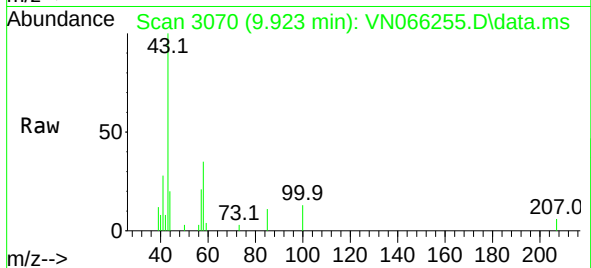




#51
4-Methyl-2-Pentanone
Concen: 1.83 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

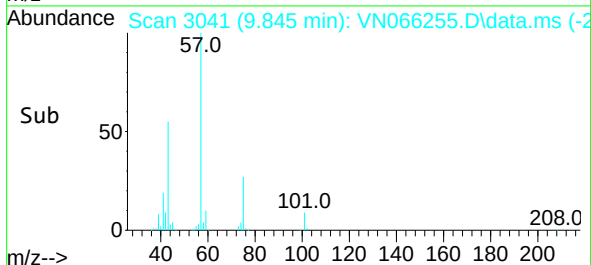
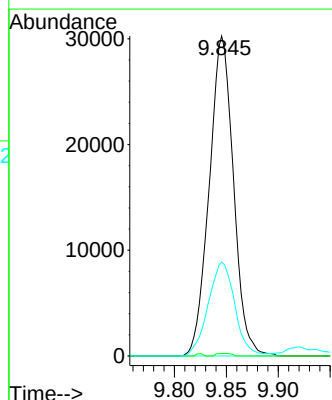
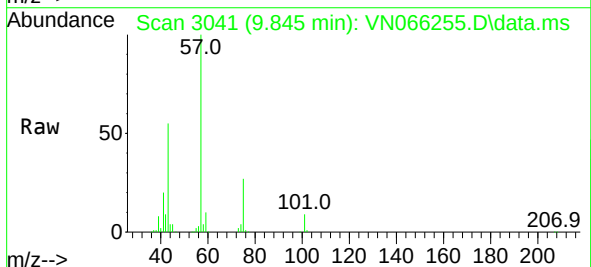
Instrument :
MSVOA_N
ClientSampled :

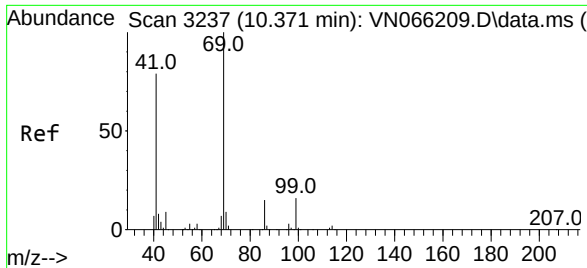
Tgt Ion: 43 Resp: 11412
Ion Ratio Lower Upper
43 100
58 33.3 27.5 41.3



#54
cis-1,3-Dichloropropene
Concen: 8.12 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.069 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion: 75 Resp: 49176
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 29.4 46.2 69.2#

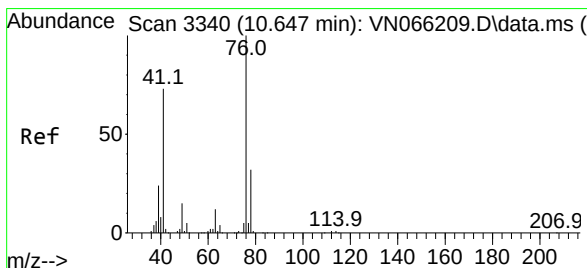
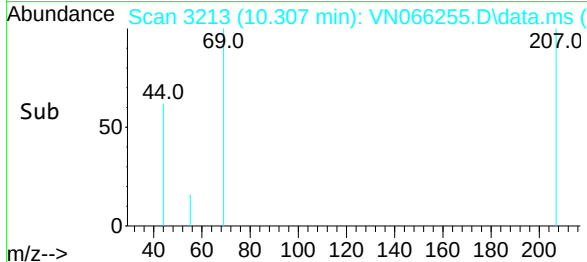
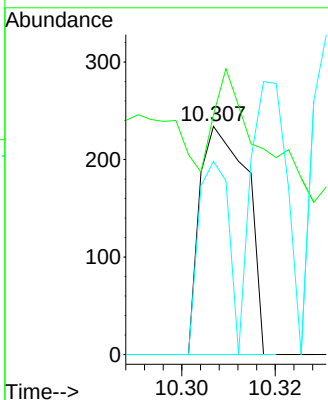
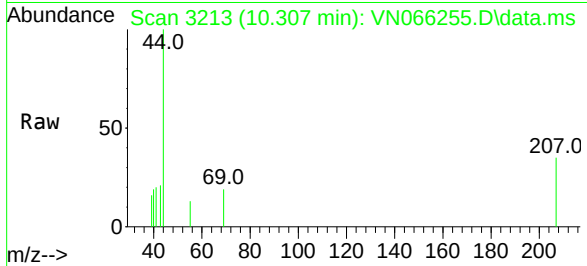




#56
Ethyl methacrylate
Concen: 2.19 ug/l
RT: 10.307 min Scan# 3213
Delta R.T. -0.064 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

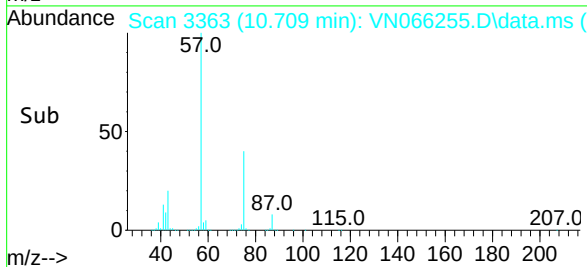
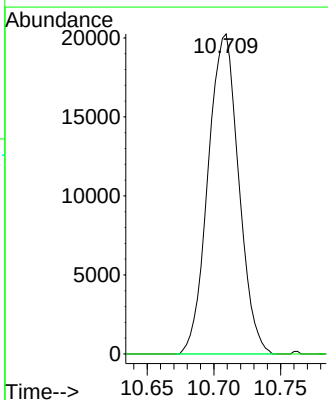
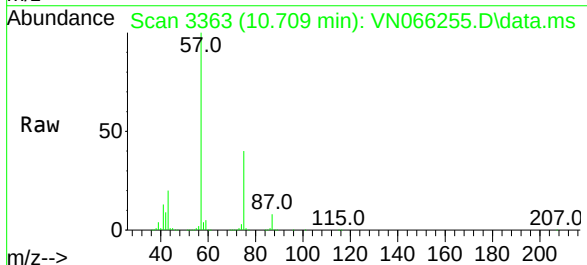
Instrument :
MSVOA_N
ClientSampled :

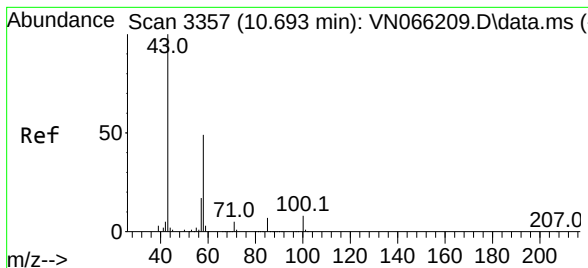
Tgt Ion: 69 Resp: 164
Ion Ratio Lower Upper
69 100
41 0.0 66.2 99.4#
39 0.0 31.5 47.3#



#57
1,3-Dichloropropane
Concen: 5.39 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.062 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion: 76 Resp: 32349
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#

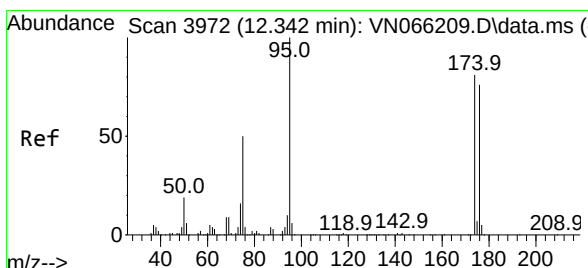
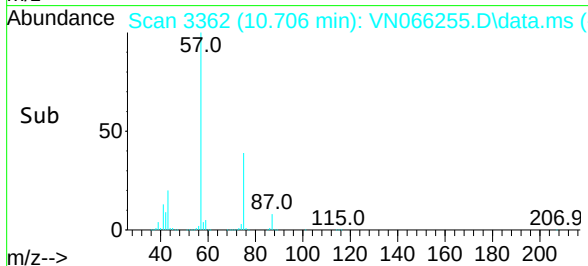
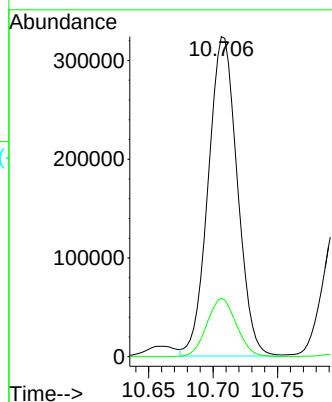
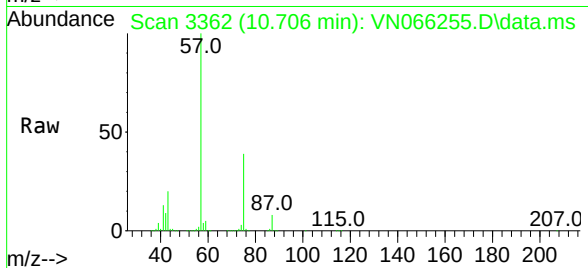




#59
2-Hexanone
Concen: 104.87 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

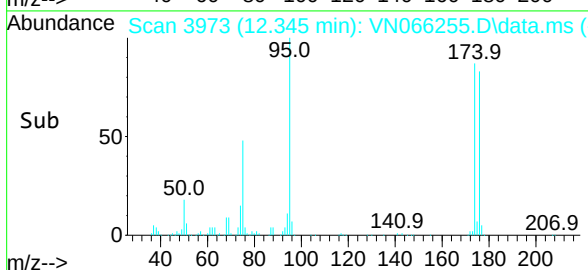
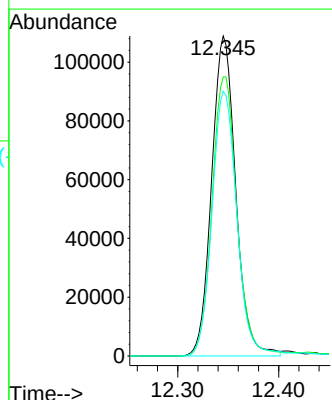
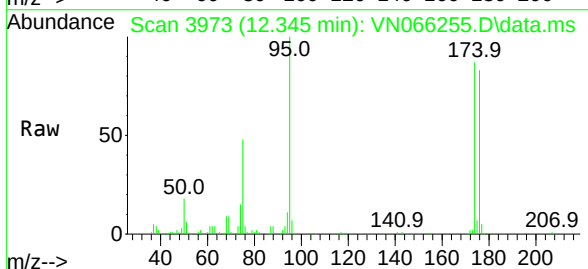
Instrument :
MSVOA_N
ClientSampled :

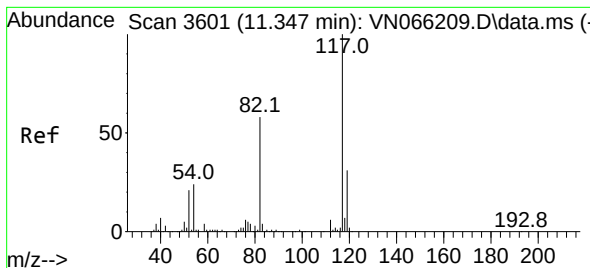
Tgt Ion: 43 Resp: 507837
Ion Ratio Lower Upper
43 100
58 18.6 23.8 71.5#



#62
4-Bromofluorobenzene
Concen: 44.01 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion: 95 Resp: 180520
Ion Ratio Lower Upper
95 100
174 89.7 0.0 162.4
176 85.6 0.0 156.2

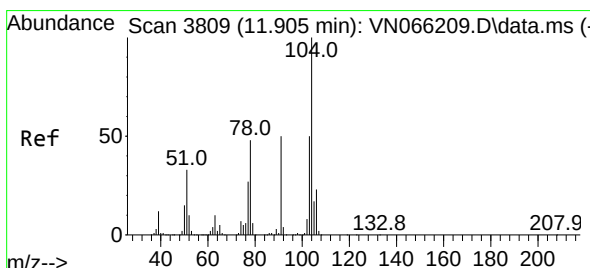
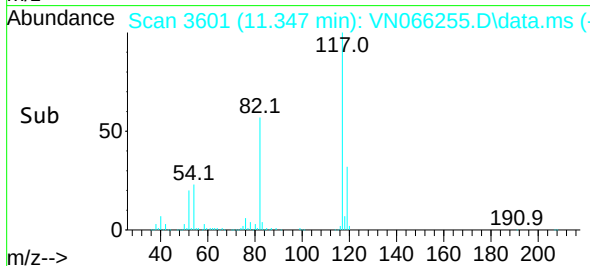
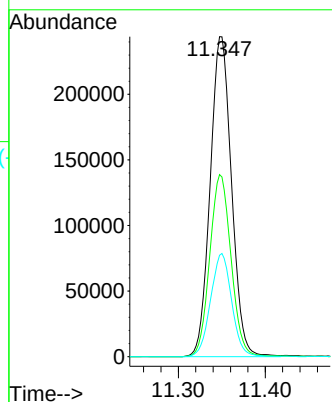
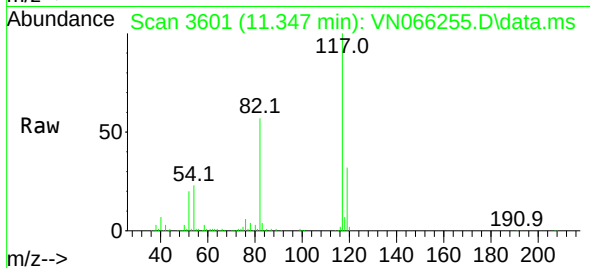




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. 0.000 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

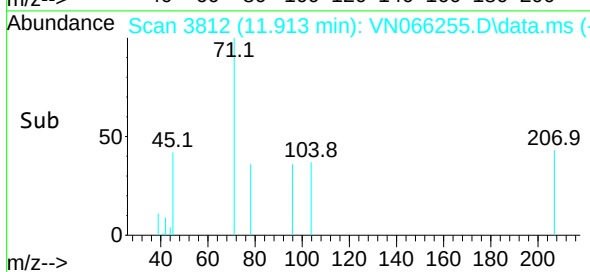
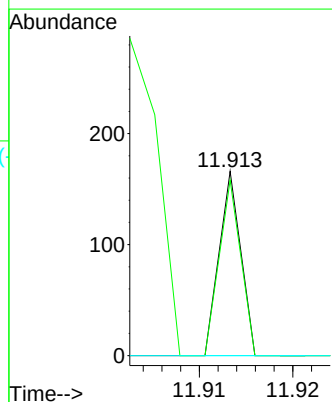
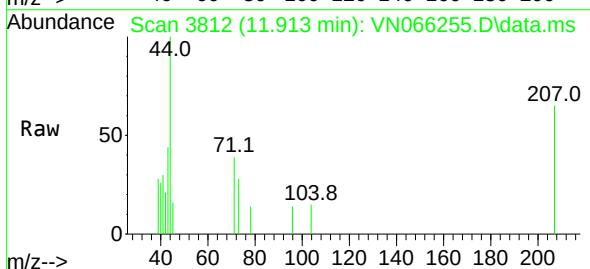
Instrument :
MSVOA_N
ClientSampleId :

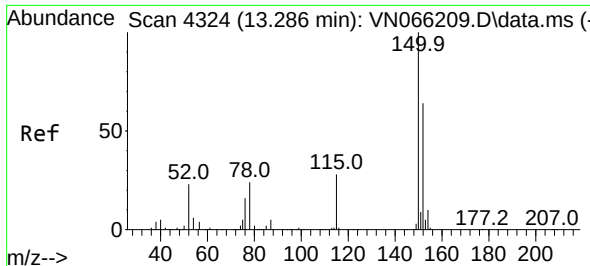
Tgt Ion:117 Resp: 416094
Ion Ratio Lower Upper
117 100
82 56.9 49.0 73.6
119 31.7 25.7 38.5



#70
Styrene
Concen: 2.15 ug/l
RT: 11.913 min Scan# 3812
Delta R.T. 0.008 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion:104 Resp: 27
Ion Ratio Lower Upper
104 100
78 92.6 43.8 65.6#
103 0.0 43.7 65.5#

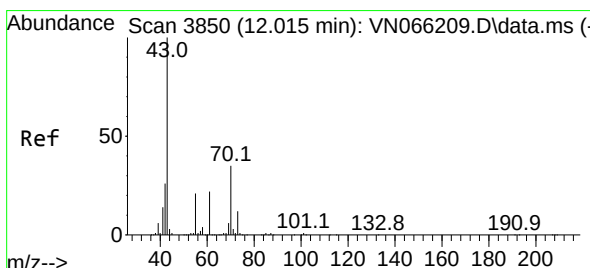
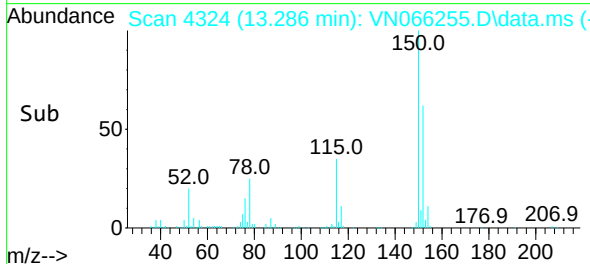
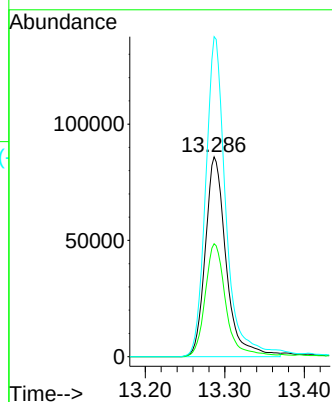
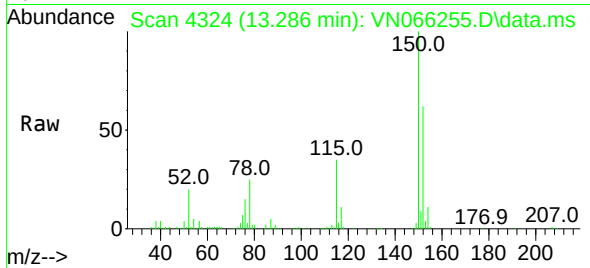




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

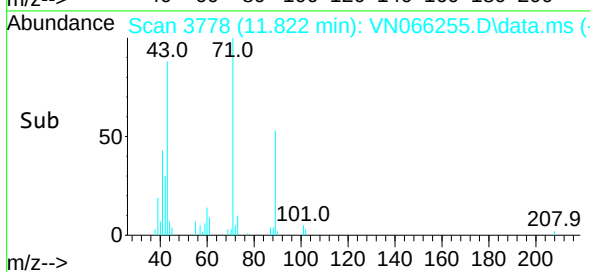
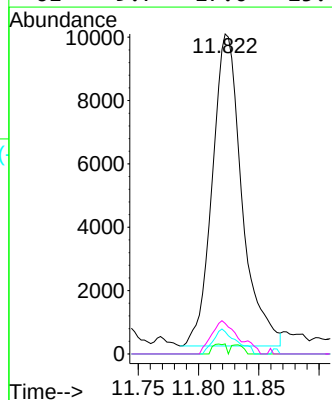
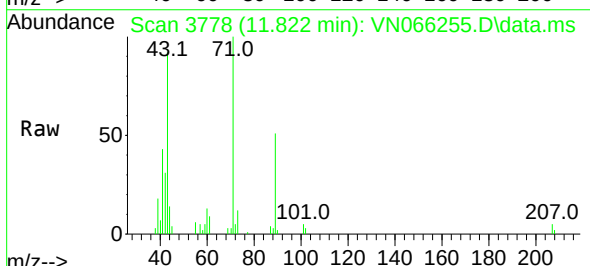
Instrument :
MSVOA_N
ClientSampleId :

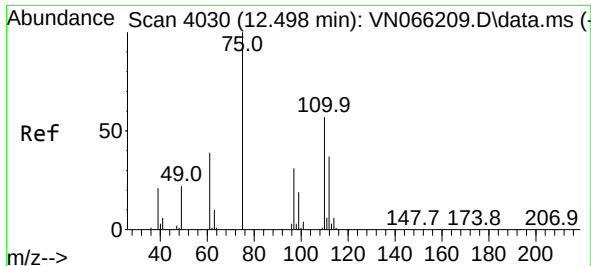
Tgt Ion:152 Resp: 156682
Ion Ratio Lower Upper
152 100
115 56.2 29.4 88.3
150 156.5 0.0 352.2



#74
N-ethyl acetate
Concen: 4.80 ug/l
RT: 11.822 min Scan# 3778
Delta R.T. -0.193 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion: 43 Resp: 16797
Ion Ratio Lower Upper
43 100
70 1.4 26.2 39.4#
55 6.2 17.2 25.8#
61 9.7 17.0 25.4#

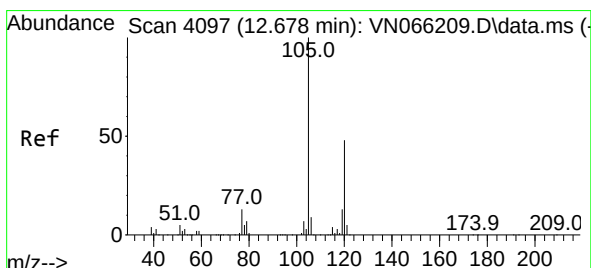
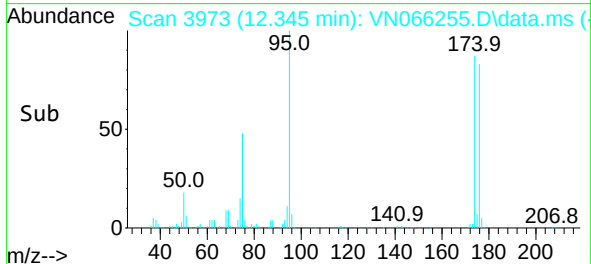
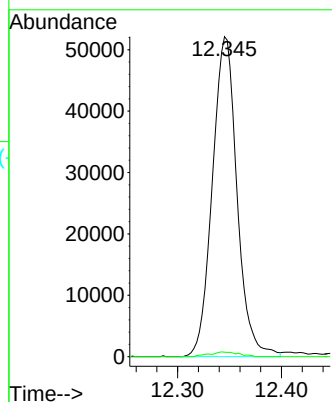
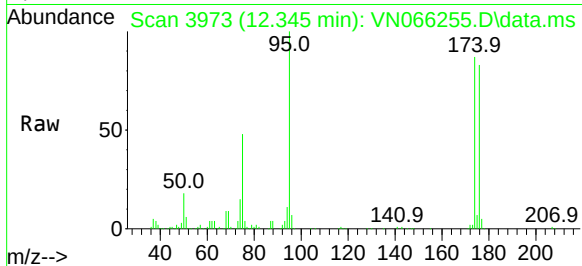




#76
1,2,3-Trichloropropane
Concen: 21.28 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

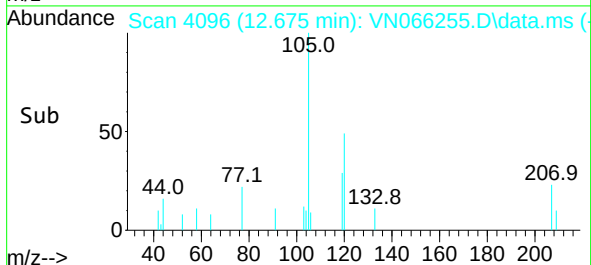
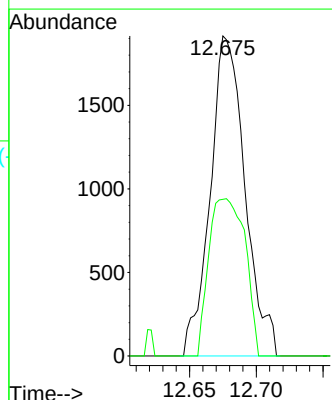
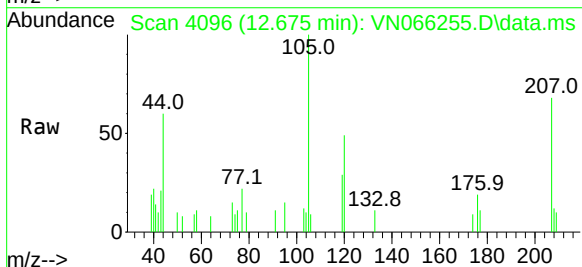
Instrument :
MSVOA_N
ClientSampled :

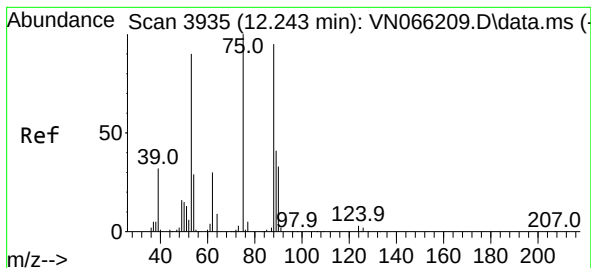
Tgt Ion: 75 Resp: 86089
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.38 ug/l
RT: 12.675 min Scan# 4096
Delta R.T. -0.003 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion:105 Resp: 3471
Ion Ratio Lower Upper
105 100
120 51.2 23.9 71.8

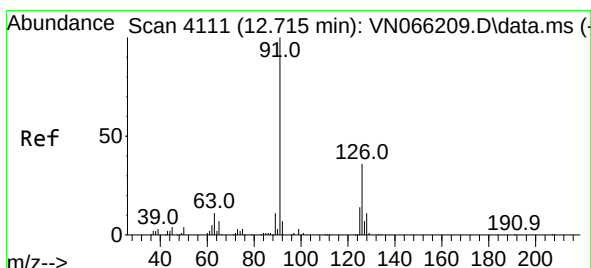
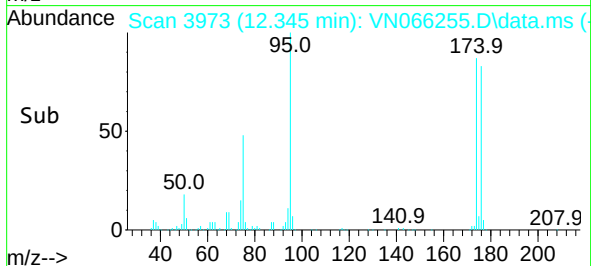
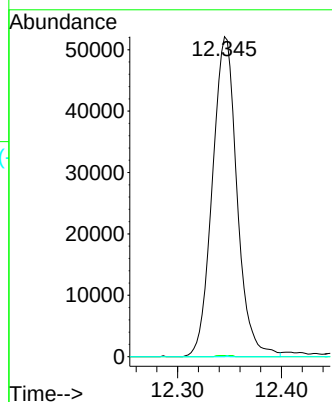
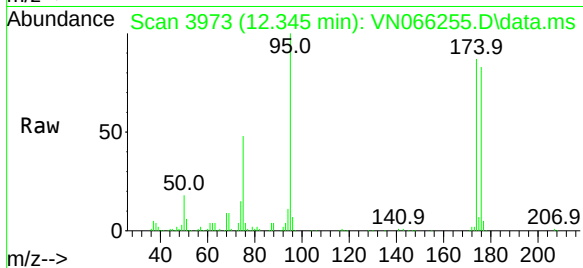




#81
trans-1,4-Dichloro-2-butene
Concen: 63.67 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

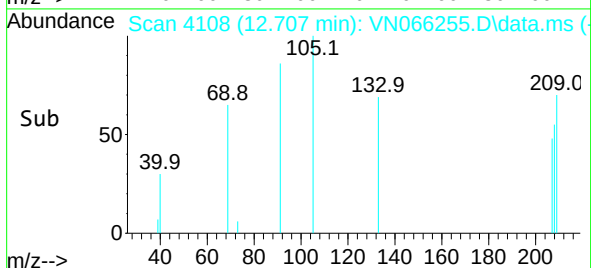
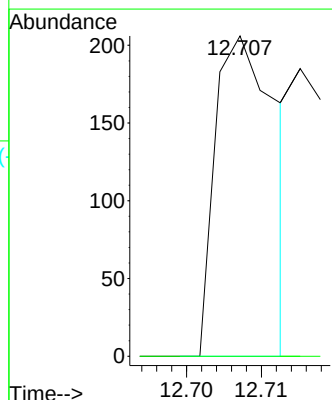
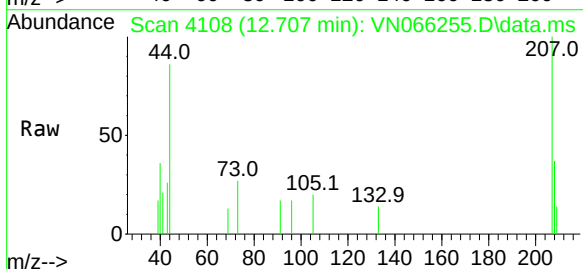
Instrument :
MSVOA_N
ClientSampled :

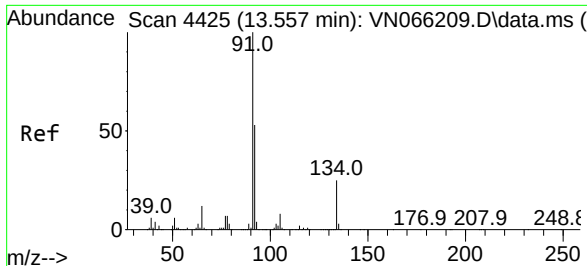
Tgt Ion: 75 Resp: 86089
Ion Ratio Lower Upper
75 100
53 0.2 77.8 116.6#
89 0.0 33.7 50.5#



#82
4-Chlorotoluene
Concen: 0.48 ug/l
RT: 12.707 min Scan# 4108
Delta R.T. -0.008 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Tgt Ion: 91 Resp: 116
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#

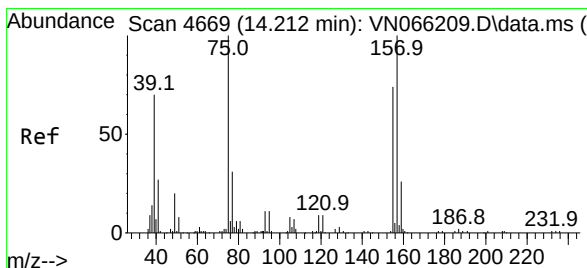
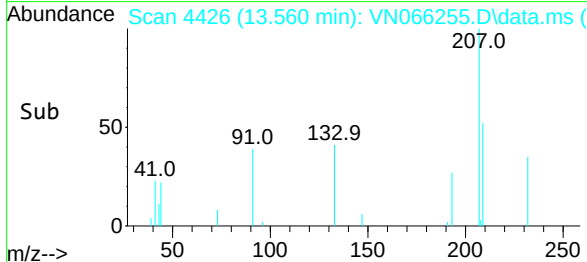
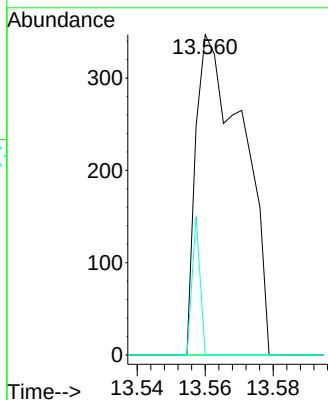
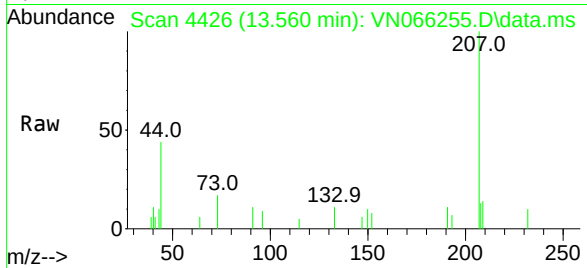




#89
n-Butylbenzene
Concen: 2.27 ug/l
RT: 13.560 min Scan# 4426
Delta R.T. 0.003 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

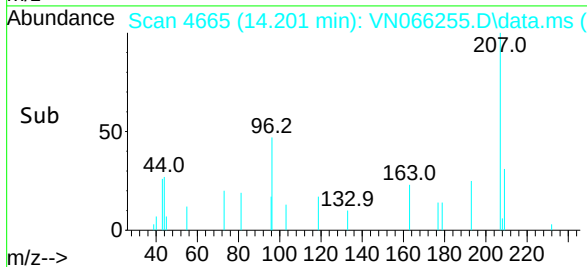
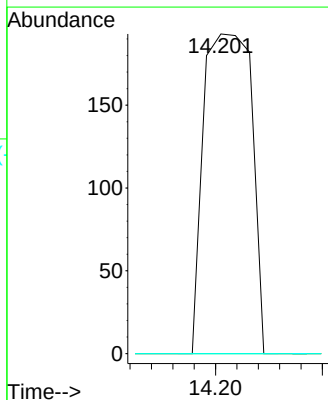
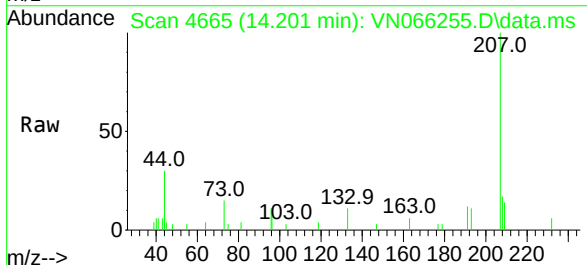
Instrument :
MSVOA_N
ClientSampleId :

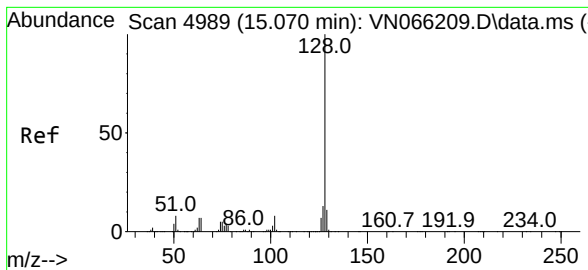
Tgt Ion: 91 Resp: 333
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 7.2 11.8 35.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.97 ug/l
RT: 14.201 min Scan# 4665
Delta R.T. -0.011 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

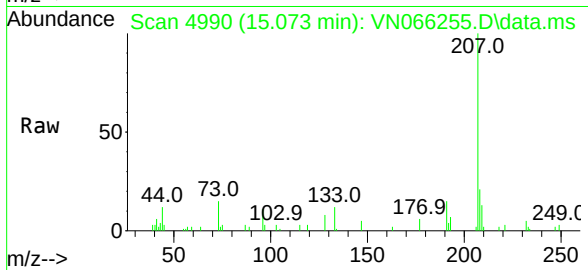
Tgt Ion: 75 Resp: 120
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#





#95
Naphthalene
Concen: 0.21 ug/l
RT: 15.073 min Scan# 4990
Delta R.T. 0.003 min
Lab File: VN066255.D
Acq: 18 Mar 2021 15:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	1884
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	2.9	8.4	12.6#

