

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066268.D
 Acq On : 18 Mar 2021 20:01
 Operator : JC/MD
 Sample : M1682-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:30:54 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)

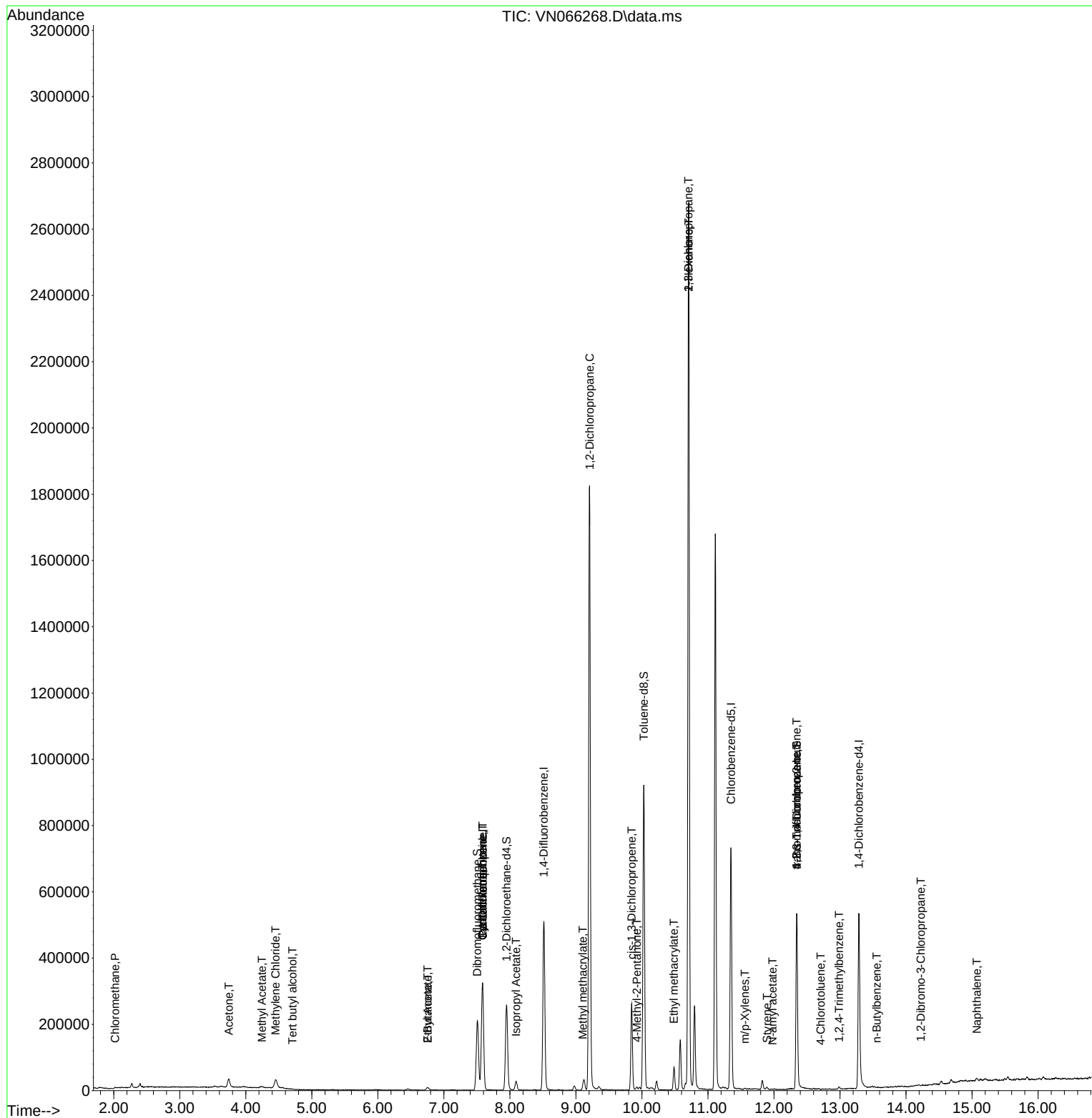
Internal Standards						
1) Pentafluorobenzene	7.587	168	275686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	425164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	416116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	163429	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	220481	55.51	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	111.02%		
35) Dibromofluoromethane	7.507	113	161581	59.57	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	119.14%		
50) Toluene-d8	10.028	98	601220	57.33	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	114.66%#		
62) 4-Bromofluorobenzene	12.345	95	183898	48.65	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.30%		
Target Compounds						Qvalue
3) Chloromethane	2.022	50	2606	0.29	ug/l	98
11) Tert butyl alcohol	4.707	59	821	1.21	ug/l #	73
13) Acrolein	3.535	56	2976	Below Cal		88
16) Acetone	3.741	43	37926	19.88	ug/l	95
18) Methyl Acetate	4.245	43	7428	1.39	ug/l	92
20) Methylene Chloride	4.452	84	16573	5.55	ug/l #	82
25) 2-Butanone	6.756	43	10679	3.60	ug/l	96
31) Cyclohexane	7.584	56	4819	0.81	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	19920	4.63	ug/l #	49
37) Ethyl Acetate	6.756	43	10679	1.74	ug/l #	75
38) Carbon Tetrachloride	7.590	117	23393	6.06	ug/l #	19
43) Isopropyl Acetate	8.094	43	32171	3.38	ug/l	98
45) 1,2-Dichloropropane	9.210	63	2007	0.54	ug/l #	44
48) Methyl methacrylate	9.105	41	9514	2.11	ug/l #	21
51) 4-Methyl-2-Pentanone	9.926	43	7494	1.30	ug/l	98
54) cis-1,3-Dichloropropene	9.845	75	41354	7.41	ug/l #	60
56) Ethyl methacrylate	10.484	69	851	2.31	ug/l #	1
57) 1,3-Dichloropropane	10.706	76	24702	4.46	ug/l #	43
59) 2-Hexanone	10.709	43	405195	90.97	ug/l #	56
68) m/p-Xylenes	11.559	106	1283	0.23	ug/l	78
70) Styrene	11.897	104	27	2.15	ug/l #	1
74) N-amyl acetate	11.980	43	655	2.26	ug/l #	61
76) 1,2,3-Trichloropropane	12.345	75	89830	21.28	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	89830	63.69	ug/l #	11
82) 4-Chlorotoluene	12.710	91	57	0.47	ug/l #	43
84) 1,2,4-Trimethylbenzene	12.986	105	3966	0.43	ug/l	90
89) n-Butylbenzene	13.557	91	257	2.26	ug/l #	72
92) 1,2-Dibromo-3-Chloropr...	14.225	75	202	1.06	ug/l #	8
95) Naphthalene	15.073	128	6107	0.64	ug/l #	84

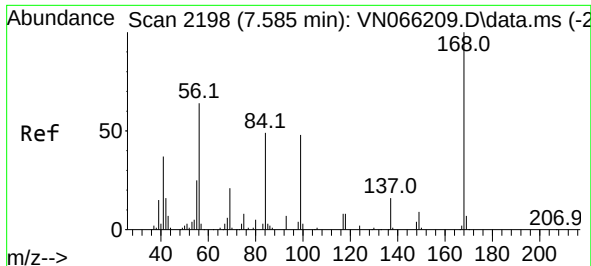
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 17 05:05:15 2021
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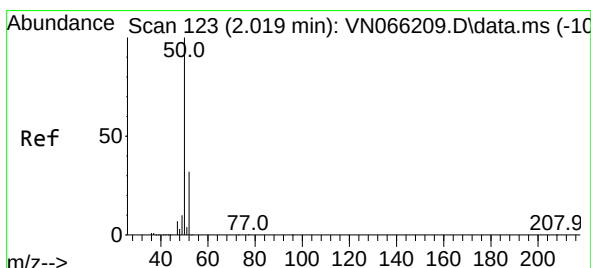
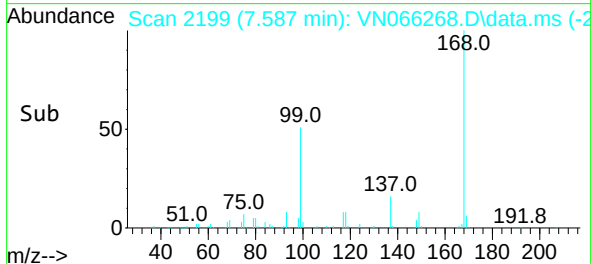
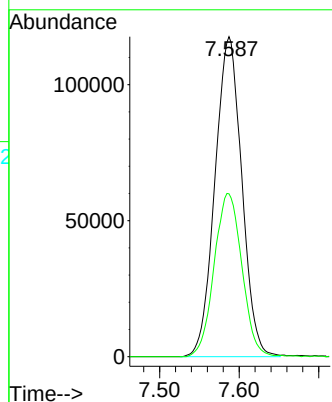
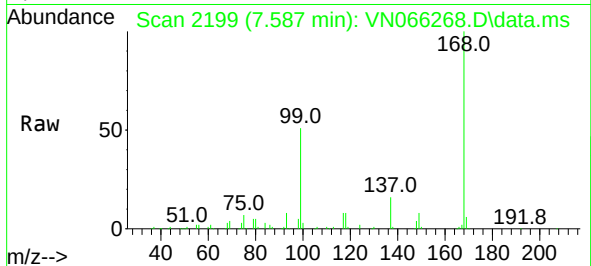




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

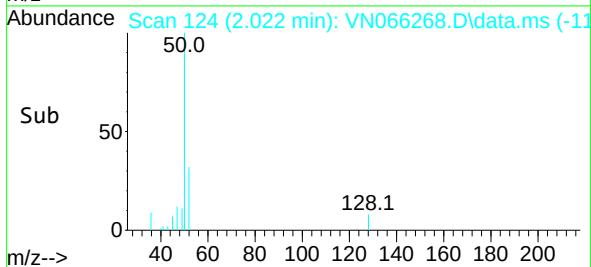
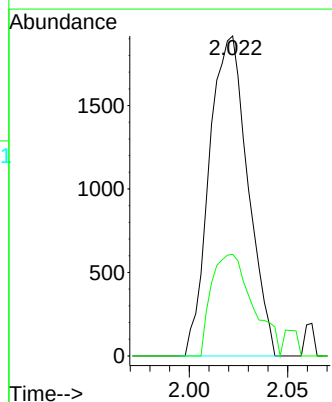
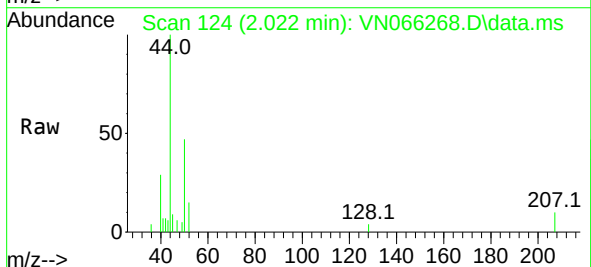
Instrument :
MSVOA_N
ClientSampled :

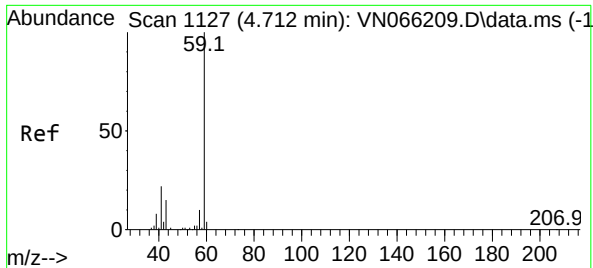
Tgt Ion:168 Resp: 275686
Ion Ratio Lower Upper
168 100
99 50.9 45.4 68.0



#3
Chloromethane
Concen: 0.29 ug/l
RT: 2.022 min Scan# 124
Delta R.T. 0.003 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

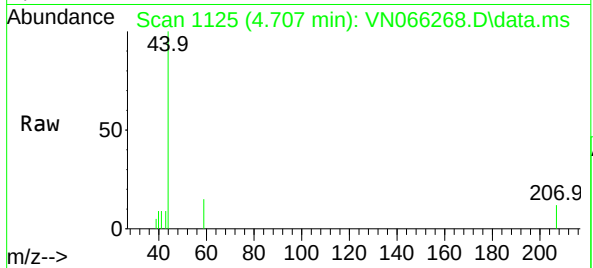
Tgt Ion: 50 Resp: 2606
Ion Ratio Lower Upper
50 100
52 31.7 26.2 39.4



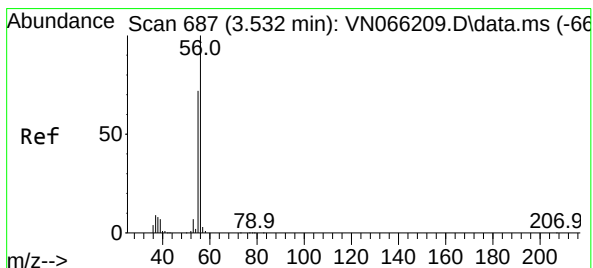
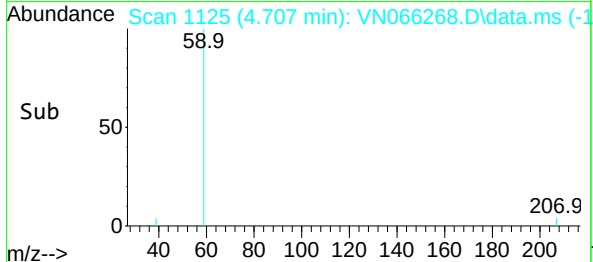
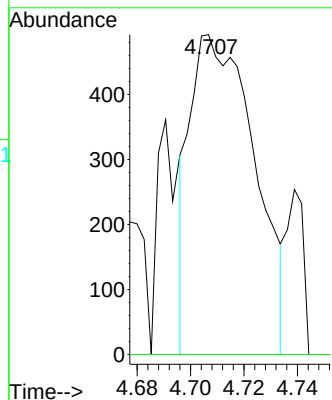


#11
Tert butyl alcohol
Concen: 1.21 ug/l
RT: 4.707 min Scan# 1125
Delta R.T. -0.005 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Instrument :
MSVOA_N
ClientSampled :

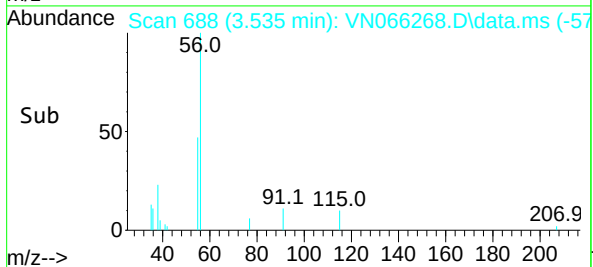
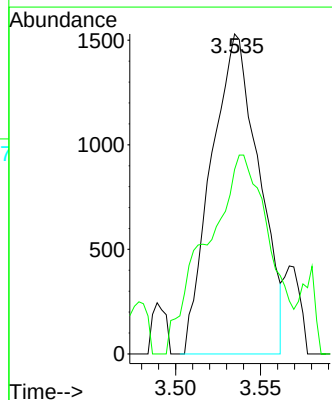
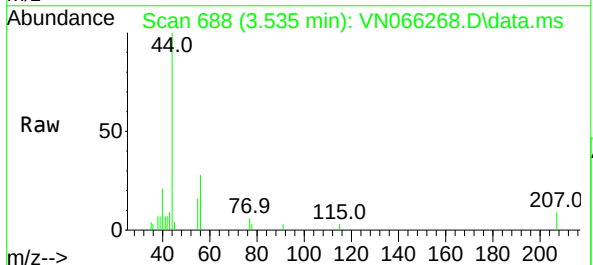


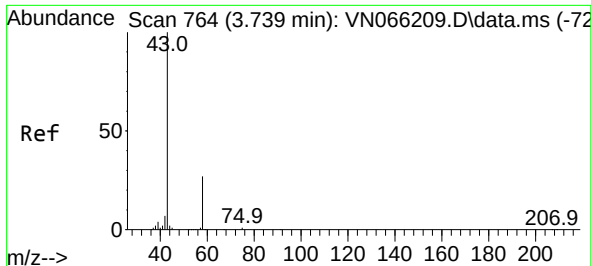
Tgt Ion: 59 Resp: 821
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: Below Cal
RT: 3.535 min Scan# 688
Delta R.T. 0.003 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Tgt Ion: 56 Resp: 2976
Ion Ratio Lower Upper
56 100
55 82.4 58.0 87.0

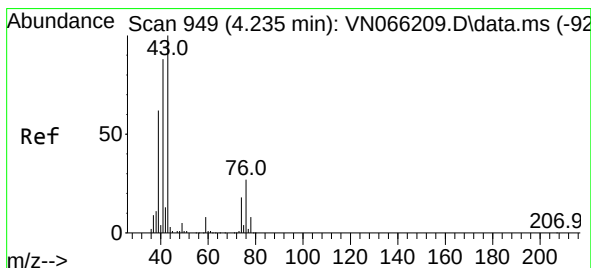
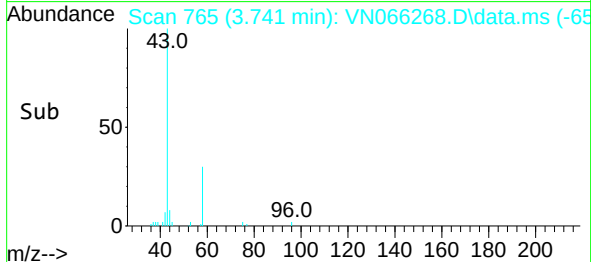
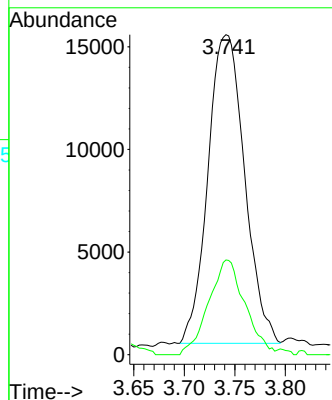
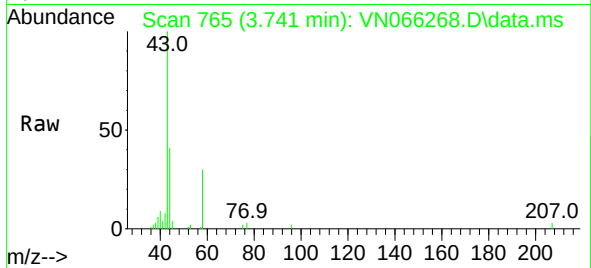




#16
Acetone
Concen: 19.88 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

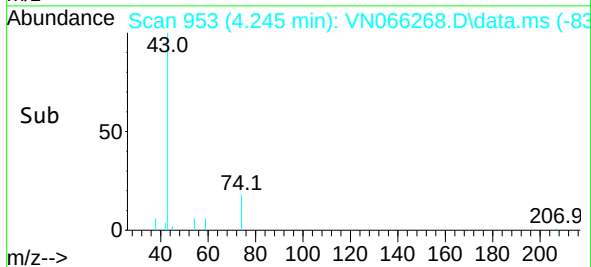
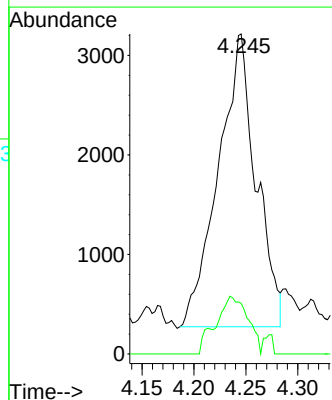
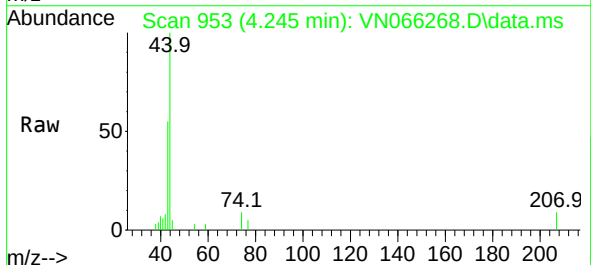
Instrument :
MSVOA_N
ClientSampled :

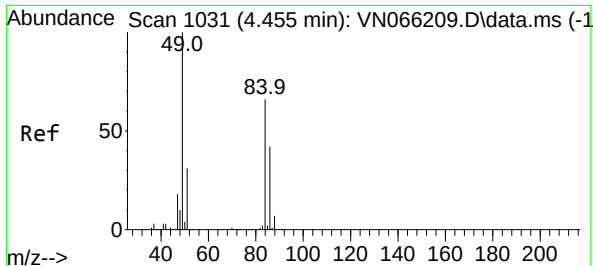
Tgt Ion: 43 Resp: 37926
Ion Ratio Lower Upper
43 100
58 30.7 22.3 33.5



#18
Methyl Acetate
Concen: 1.39 ug/l
RT: 4.245 min Scan# 953
Delta R.T. 0.010 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

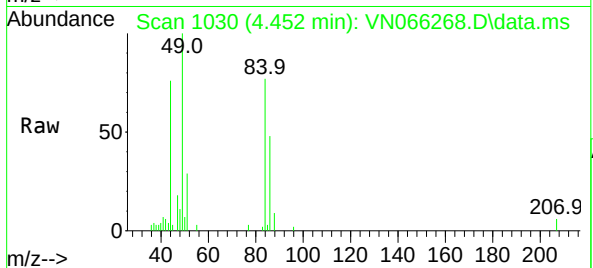
Tgt Ion: 43 Resp: 7428
Ion Ratio Lower Upper
43 100
74 14.2 14.2 21.2





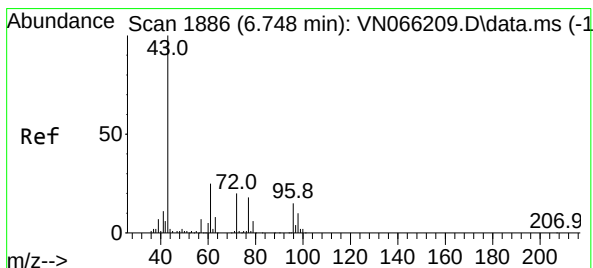
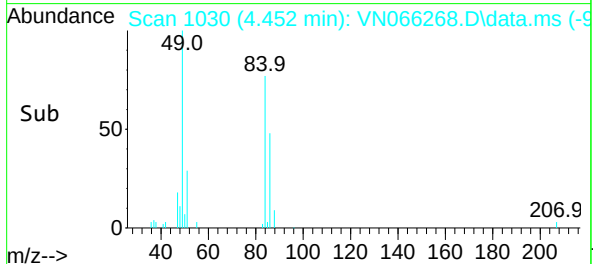
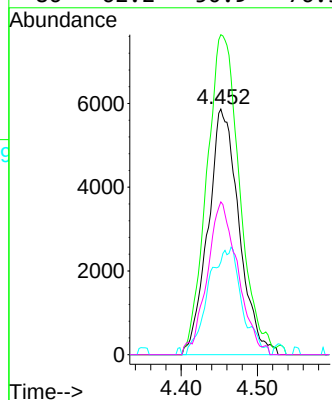
#20
Methylene Chloride
Concen: 5.55 ug/l
RT: 4.452 min Scan# 1030
Delta R.T. -0.003 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Instrument :
MSVOA_N
ClientSampleId :

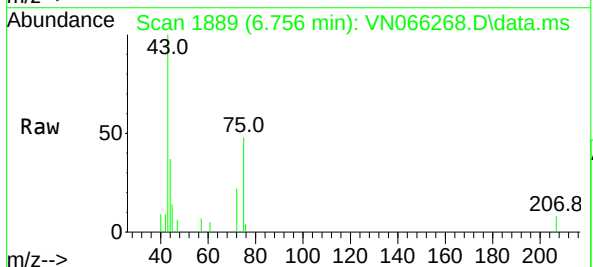


Tgt Ion: 84 Resp: 16573

Ion	Ratio	Lower	Upper
84	100		
49	130.2	130.0	195.0
51	34.9	39.1	58.7#
86	62.2	50.9	76.3

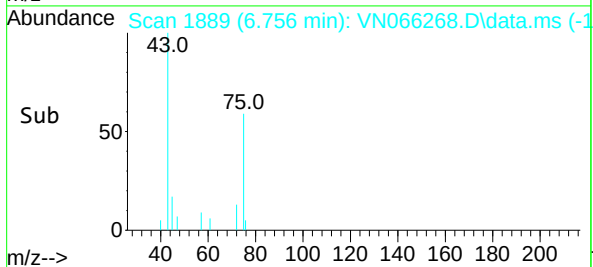
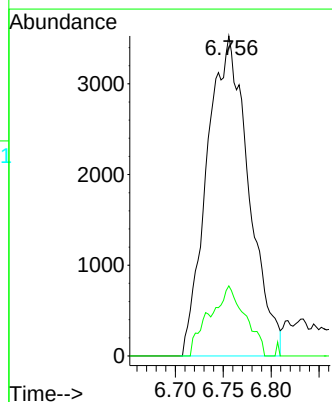


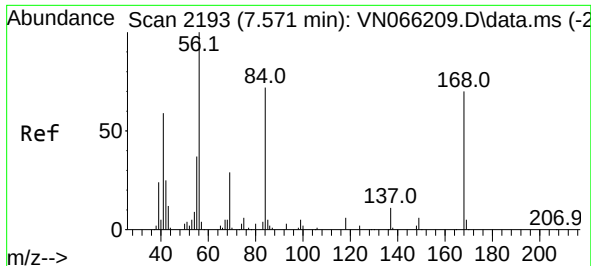
#25
2-Butanone
Concen: 3.60 ug/l
RT: 6.756 min Scan# 1889
Delta R.T. 0.008 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01



Tgt Ion: 43 Resp: 10679

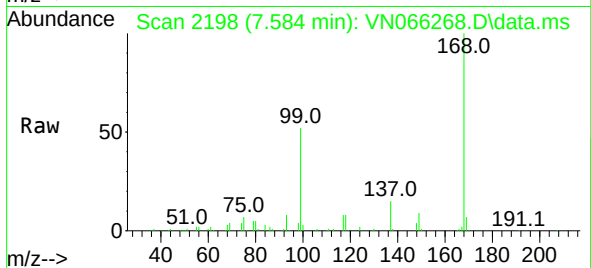
Ion	Ratio	Lower	Upper
43	100		
72	21.9	16.2	24.2



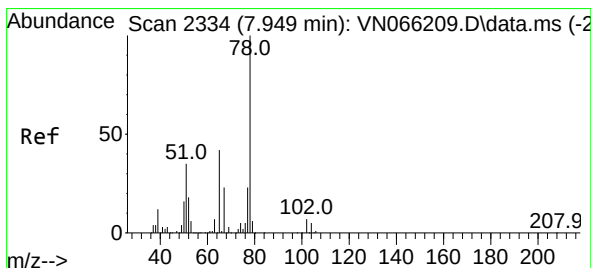
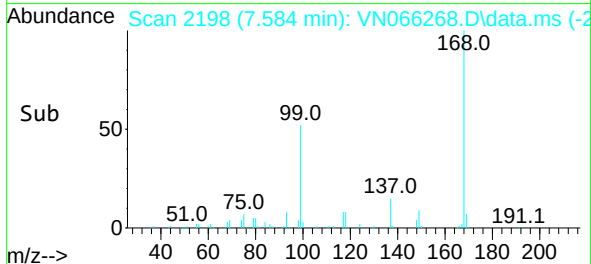
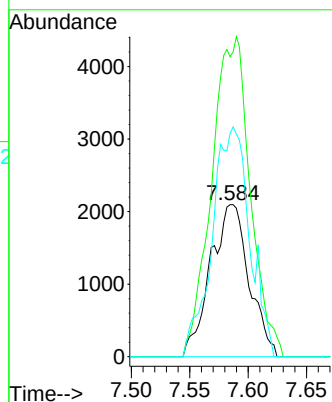


#31
Cyclohexane
Concen: 0.81 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.013 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Instrument :
MSVOA_N
ClientSampled :

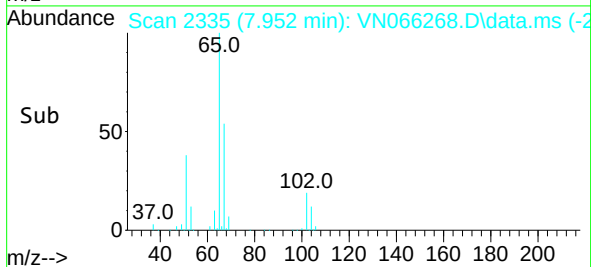
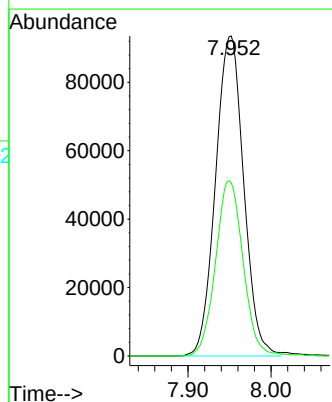
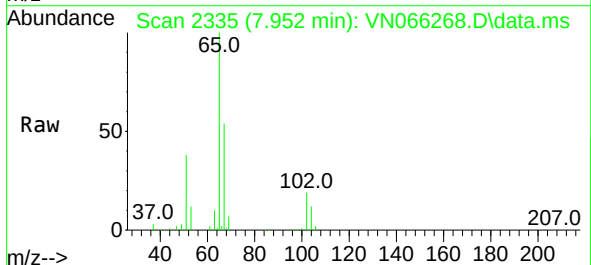


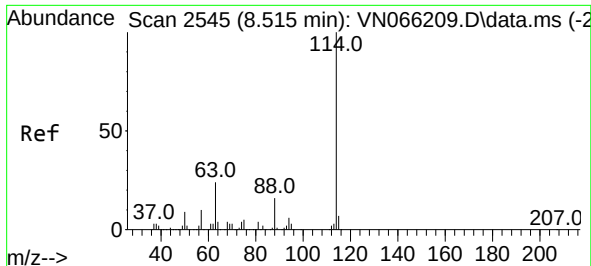
Tgt Ion: 56 Resp: 4819
Ion Ratio Lower Upper
56 100
69 197.4 23.4 35.0#
84 147.2 57.8 86.6#



#33
1,2-Dichloroethane-d4
Concen: 55.51 ug/l
RT: 7.952 min Scan# 2335
Delta R.T. 0.003 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Tgt Ion: 65 Resp: 220481
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.2

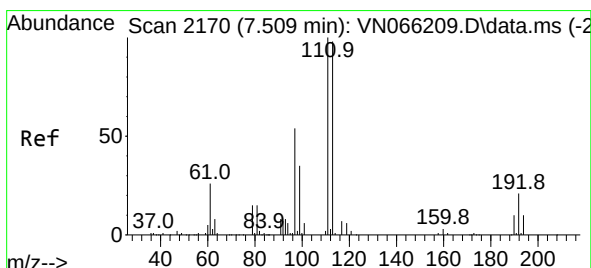
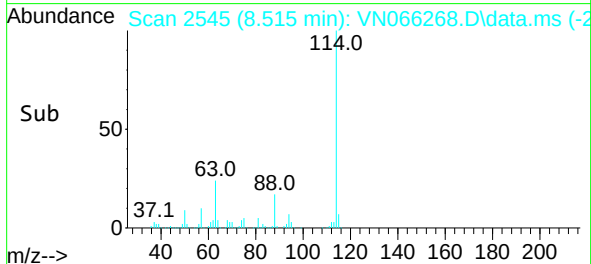
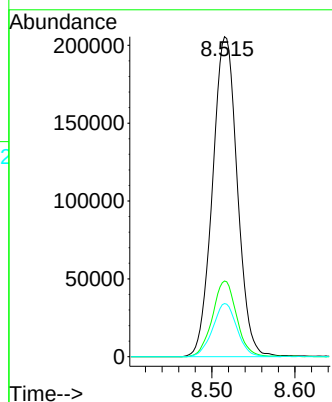
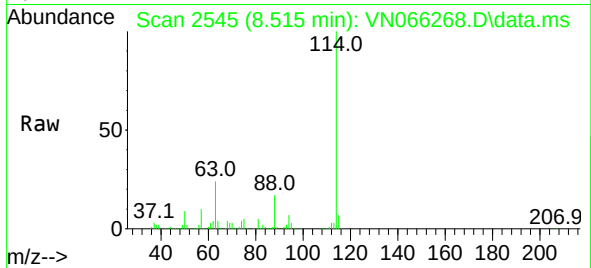




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

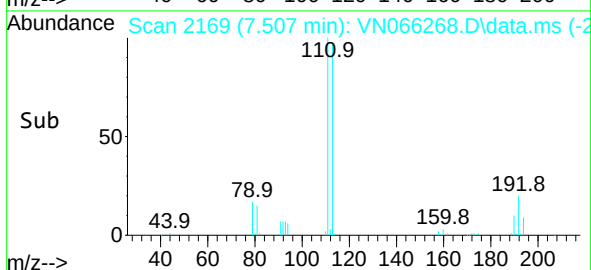
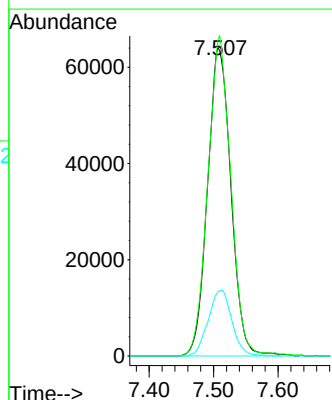
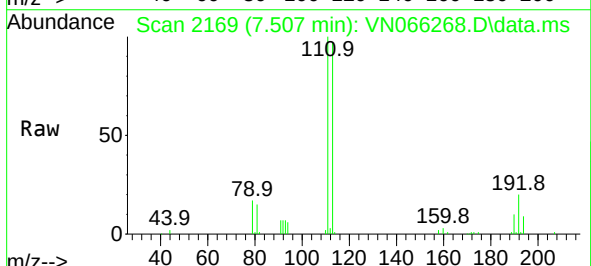
Instrument :
MSVOA_N
ClientSampled :

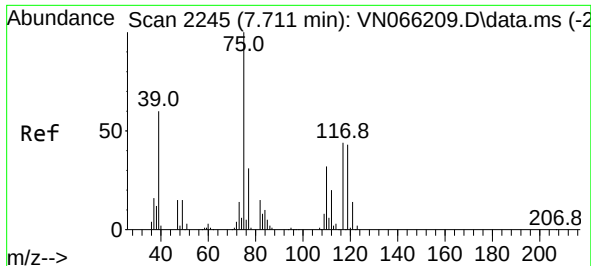
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	49.2
88	16.6	0.0	33.8



#35
Dibromofluoromethane
Concen: 59.57 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.002 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

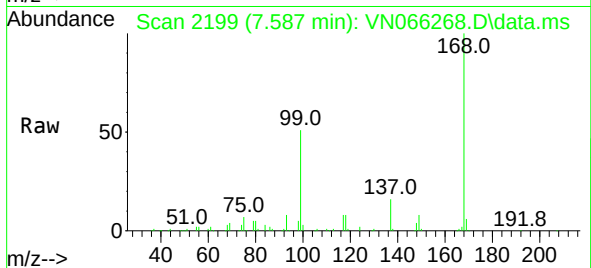
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	84.0	126.0
192	21.5	16.7	25.1



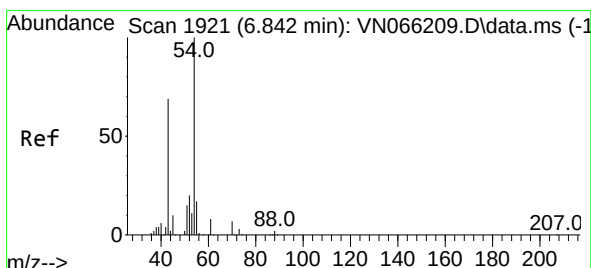
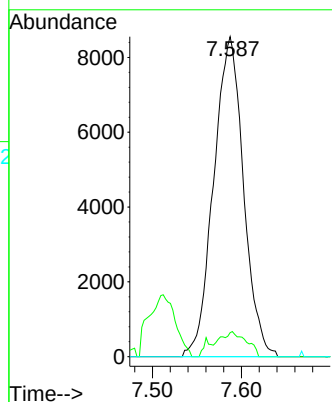
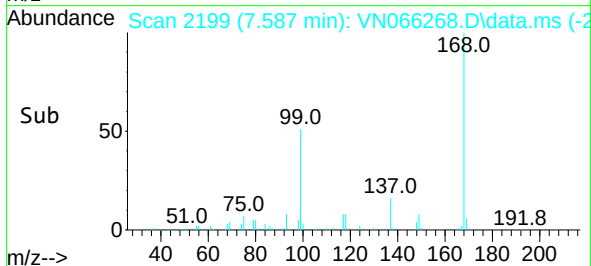


#36
 1,1-Dichloropropene
 Concen: 4.63 ug/l
 RT: 7.587 min Scan# 2199
 Delta R.T. -0.124 min
 Lab File: VN066268.D
 Acq: 18 Mar 2021 20:01

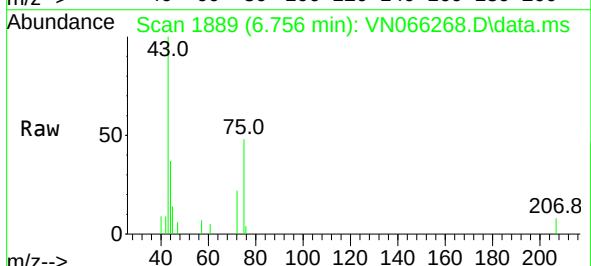
Instrument :
 MSVOA_N
 ClientSampled :



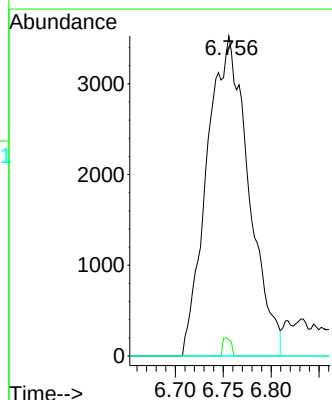
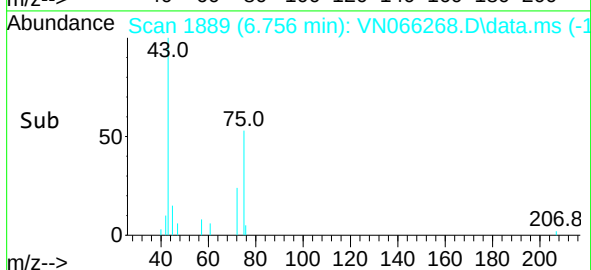
Tgt Ion: 75 Resp: 19920
 Ion Ratio Lower Upper
 75 100
 110 6.9 16.0 48.0#
 77 0.0 24.9 37.3#

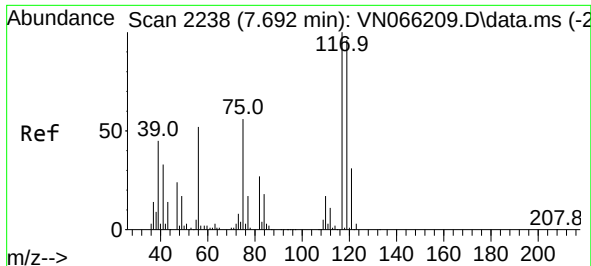


#37
 Ethyl Acetate
 Concen: 1.74 ug/l
 RT: 6.756 min Scan# 1889
 Delta R.T. -0.086 min
 Lab File: VN066268.D
 Acq: 18 Mar 2021 20:01



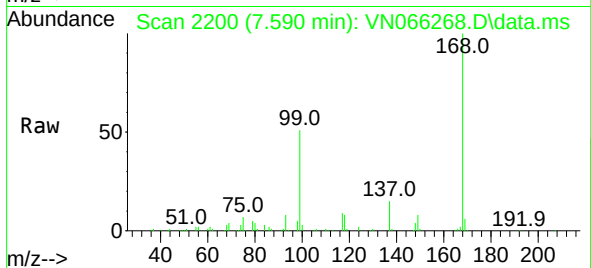
Tgt Ion: 43 Resp: 10679
 Ion Ratio Lower Upper
 43 100
 61 1.1 9.2 13.8#
 70 0.0 6.1 9.1#



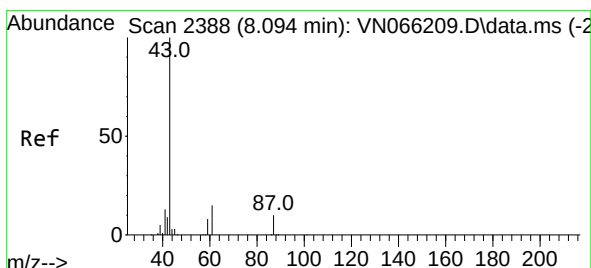
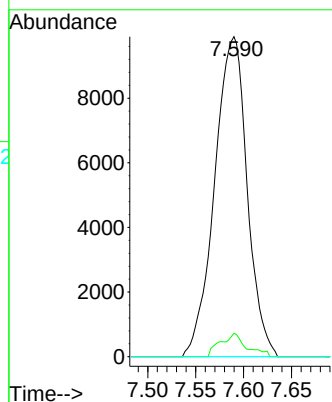
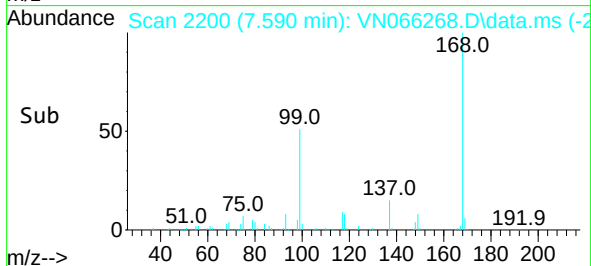


#38
Carbon Tetrachloride
Concen: 6.06 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. -0.102 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

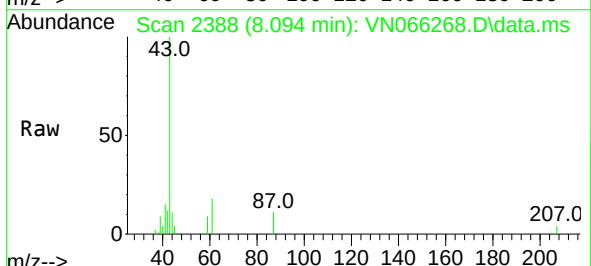
Instrument :
MSVOA_N
ClientSampled :



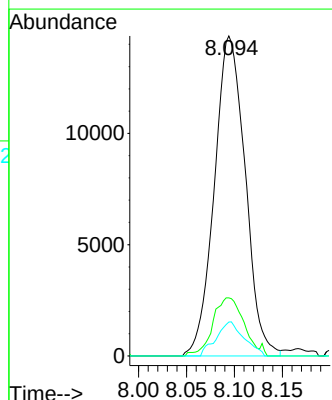
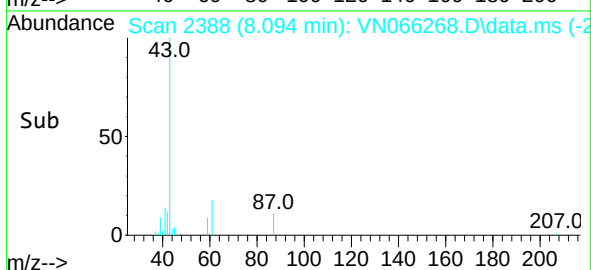
Tgt Ion:117 Resp: 23393
Ion Ratio Lower Upper
117 100
119 7.3 74.6 111.8#
121 0.0 23.9 35.9#

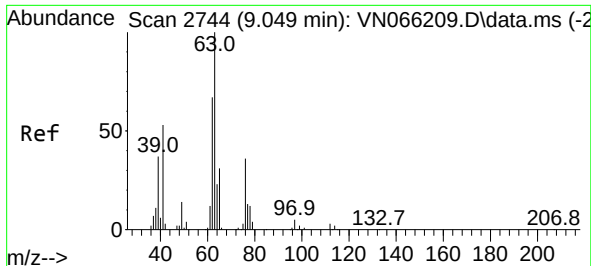


#43
Isopropyl Acetate
Concen: 3.38 ug/l
RT: 8.094 min Scan# 2388
Delta R.T. 0.000 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01



Tgt Ion: 43 Resp: 32171
Ion Ratio Lower Upper
43 100
61 18.5 14.0 21.0
87 9.6 7.9 11.9



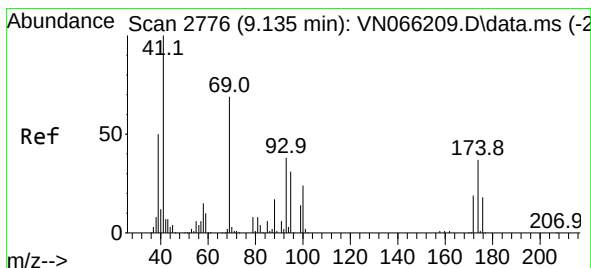
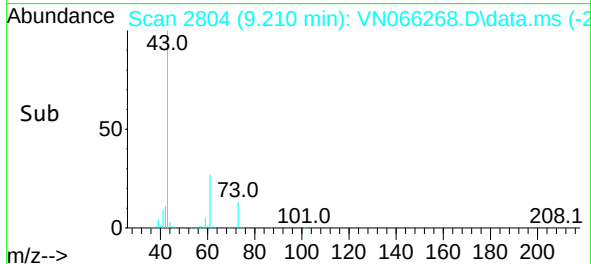
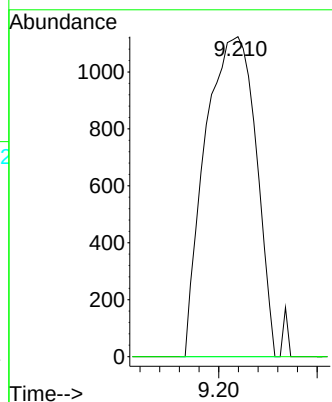
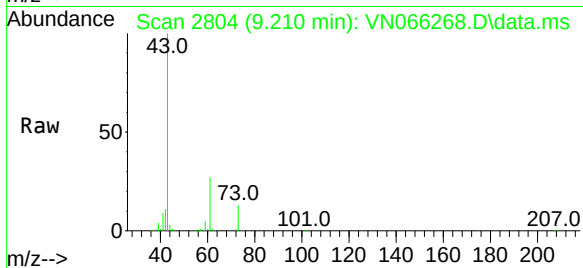


#45

1,2-Dichloropropane
Concen: 0.54 ug/l
RT: 9.210 min Scan# 2804
Delta R.T. 0.161 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Instrument :
MSVOA_N
ClientSampled :

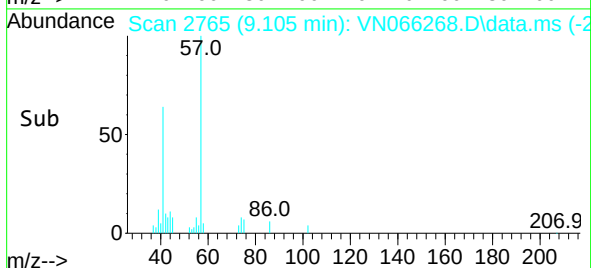
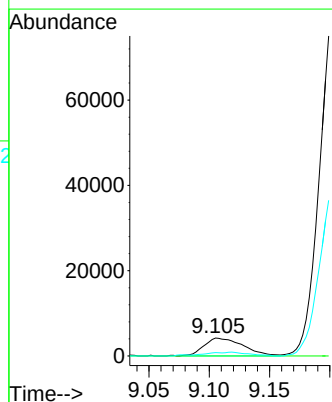
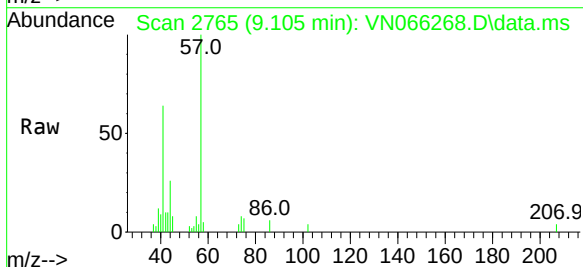
Tgt Ion: 63 Resp: 2007
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

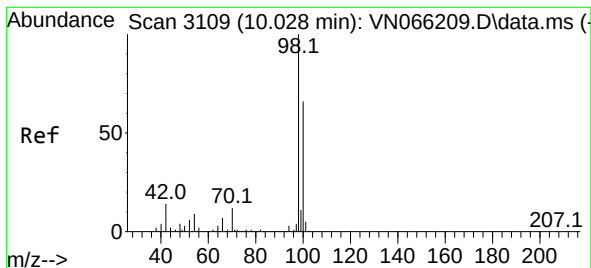


#48

Methyl methacrylate
Concen: 2.11 ug/l
RT: 9.105 min Scan# 2765
Delta R.T. -0.030 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Tgt Ion: 41 Resp: 9514
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 0.0 40.2 60.2#

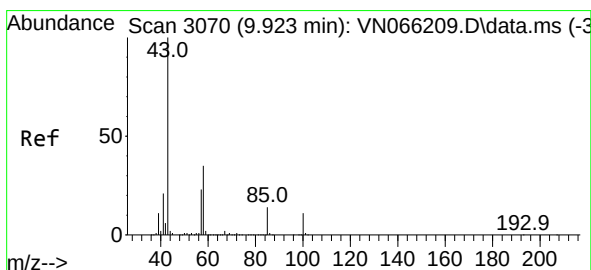
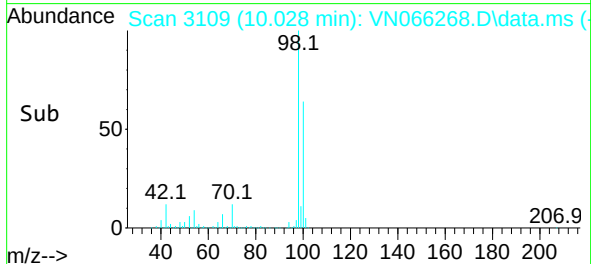
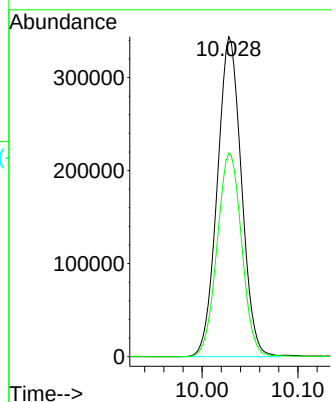
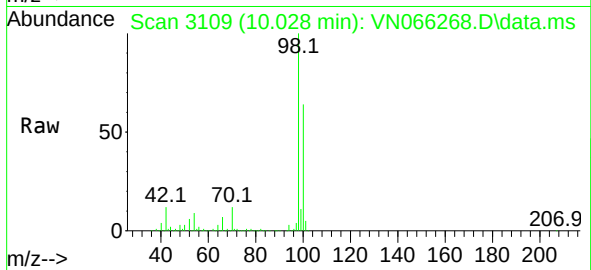




#50
Toluene-d8
Concen: 57.33 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

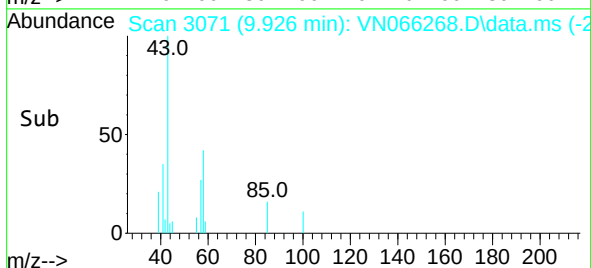
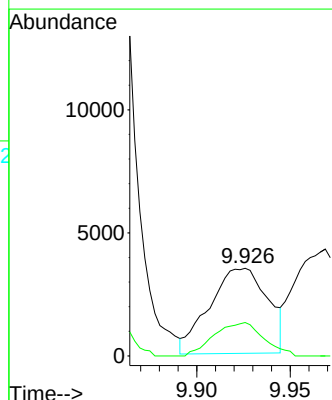
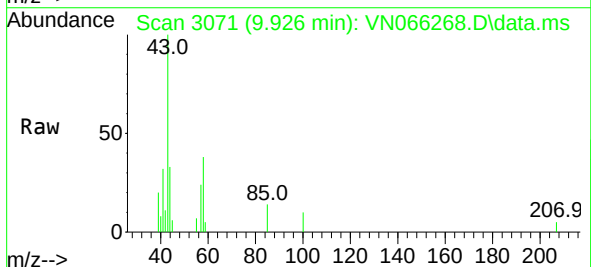
Instrument :
MSVOA_N
ClientSampled :

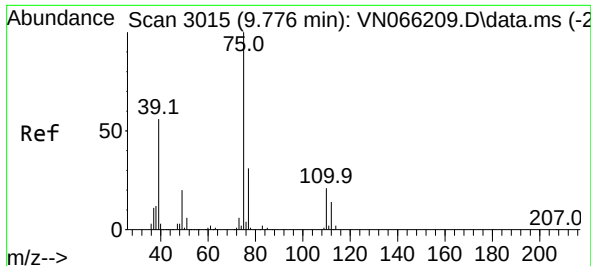
Tgt Ion: 98 Resp: 601220
Ion Ratio Lower Upper
98 100
100 65.0 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.30 ug/l
RT: 9.926 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

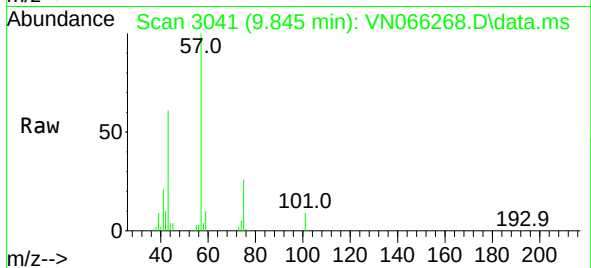
Tgt Ion: 43 Resp: 7494
Ion Ratio Lower Upper
43 100
58 33.4 27.5 41.3



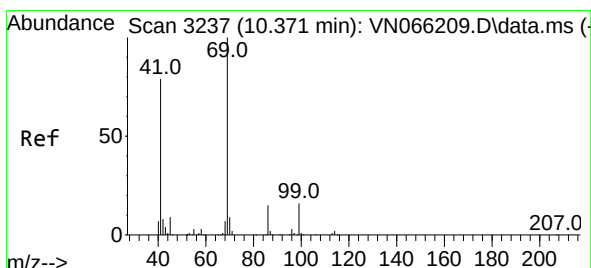
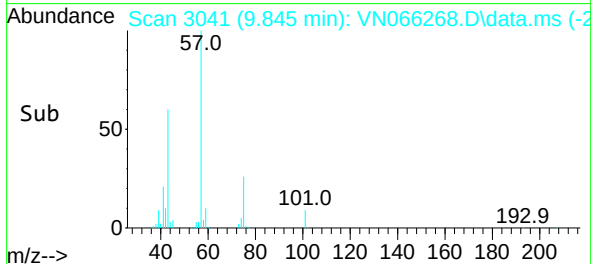
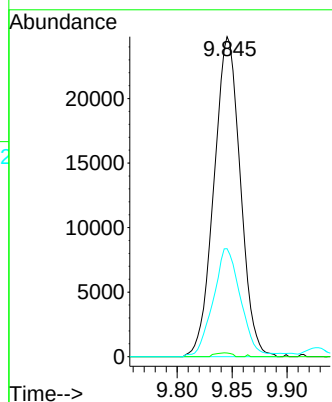


#54
 cis-1,3-Dichloropropene
 Concen: 7.41 ug/l
 RT: 9.845 min Scan# 3041
 Delta R.T. 0.069 min
 Lab File: VN066268.D
 Acq: 18 Mar 2021 20:01

Instrument :
 MSVOA_N
 ClientSampled :

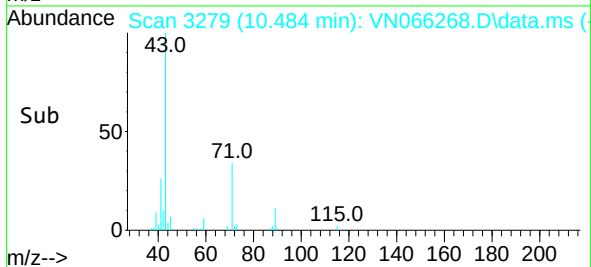
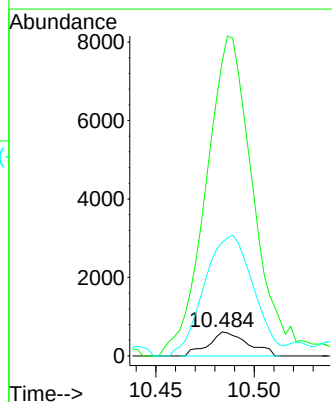
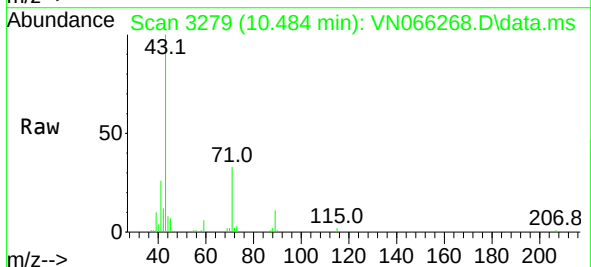


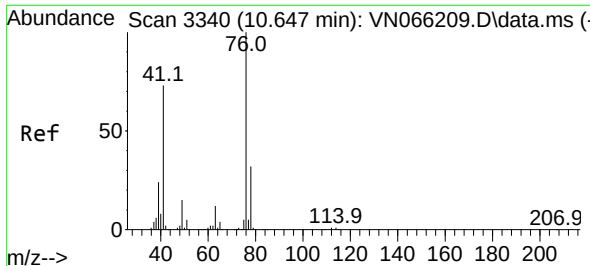
Tgt Ion: 75 Resp: 41354
 Ion Ratio Lower Upper
 75 100
 77 1.2 25.0 37.4#
 39 33.7 46.2 69.2#



#56
 Ethyl methacrylate
 Concen: 2.31 ug/l
 RT: 10.484 min Scan# 3279
 Delta R.T. 0.113 min
 Lab File: VN066268.D
 Acq: 18 Mar 2021 20:01

Tgt Ion: 69 Resp: 851
 Ion Ratio Lower Upper
 69 100
 41 1624.2 66.2 99.4#
 39 632.1 31.5 47.3#

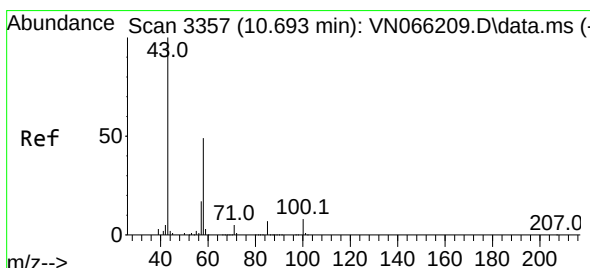
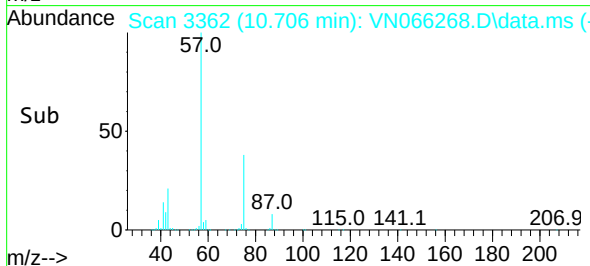
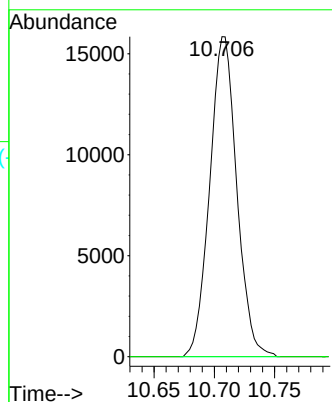
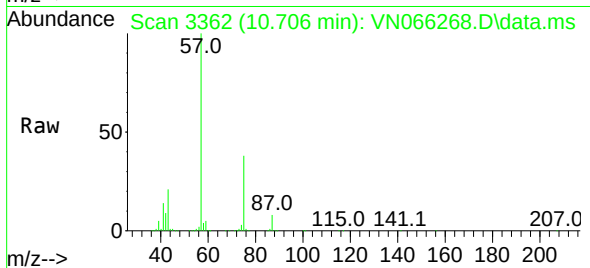




#57
1,3-Dichloropropane
Concen: 4.46 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

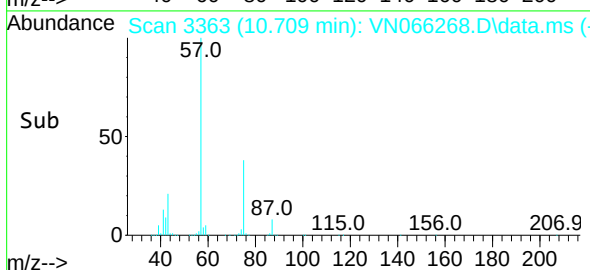
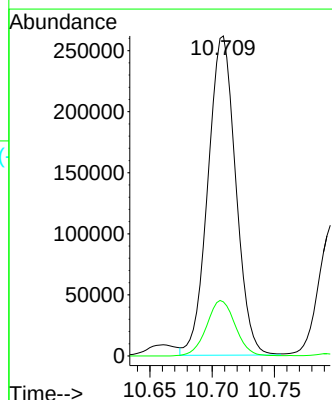
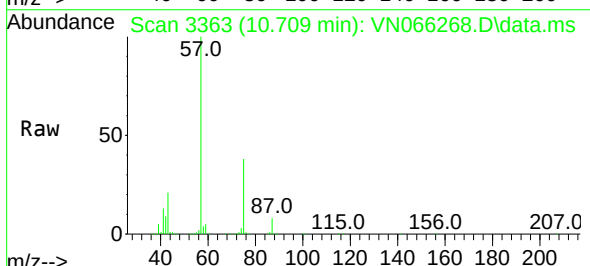
Instrument :
MSVOA_N
ClientSampled :

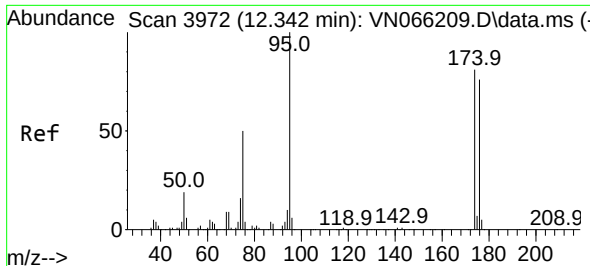
Tgt Ion: 76 Resp: 24702
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#



#59
2-Hexanone
Concen: 90.97 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.016 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Tgt Ion: 43 Resp: 405195
Ion Ratio Lower Upper
43 100
58 18.0 23.8 71.5#

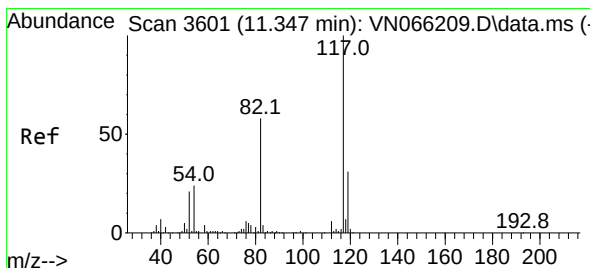
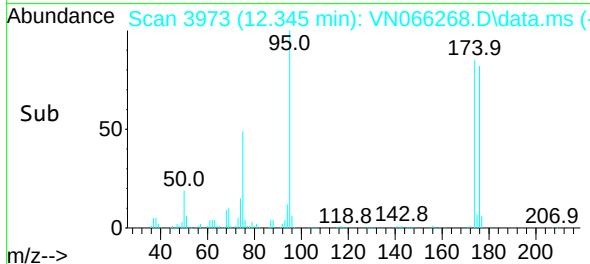
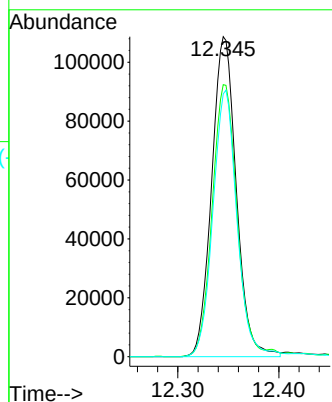
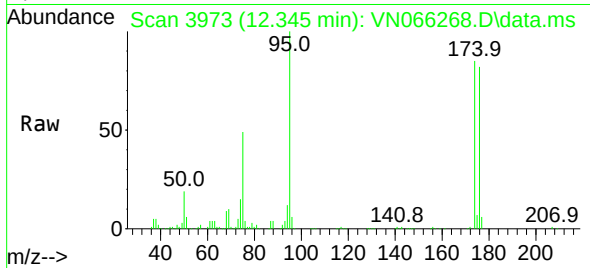




#62
4-Bromofluorobenzene
Concen: 48.65 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

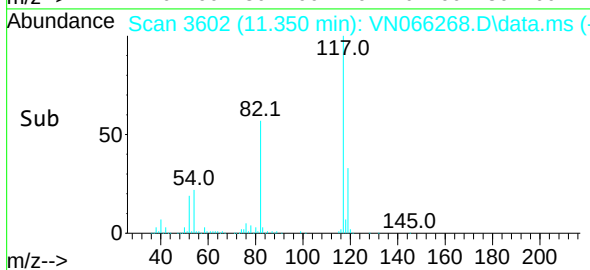
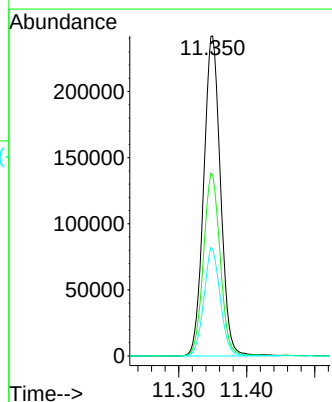
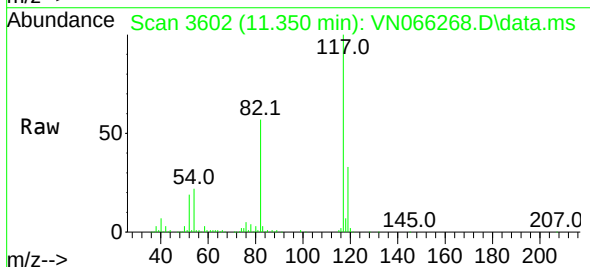
Instrument :
MSVOA_N
ClientSampled :

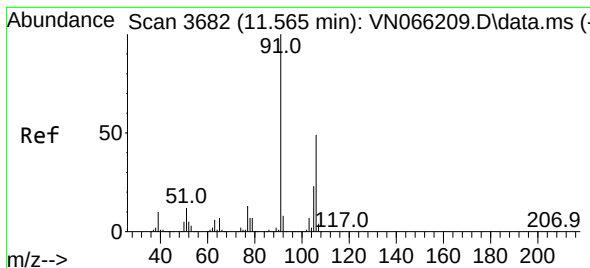
Tgt Ion: 95 Resp: 183898
Ion Ratio Lower Upper
95 100
174 84.7 0.0 162.4
176 81.6 0.0 156.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Tgt Ion: 117 Resp: 416116
Ion Ratio Lower Upper
117 100
82 56.6 49.0 73.6
119 33.4 25.7 38.5

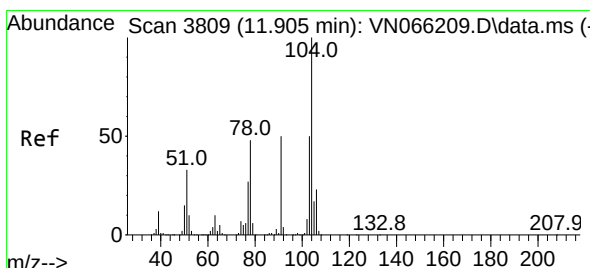
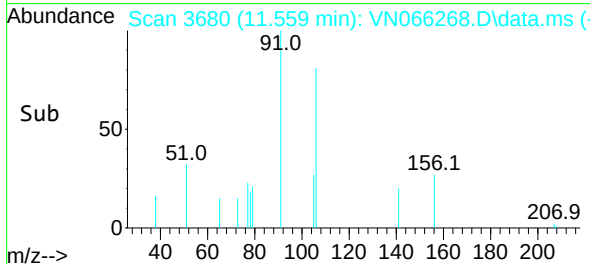
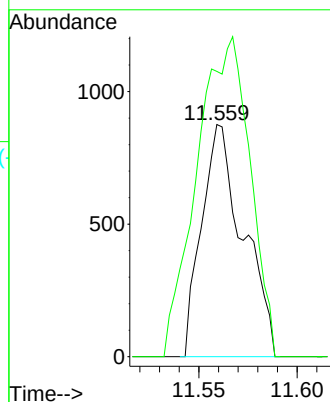
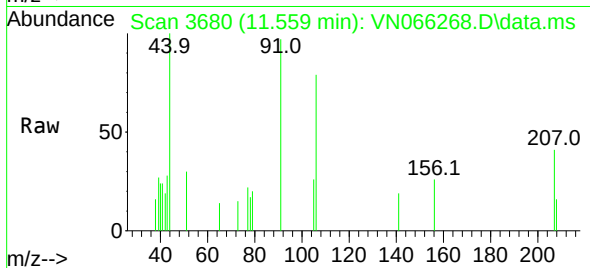




#68
m/p-Xylenes
Concen: 0.23 ug/l
RT: 11.559 min Scan# 3680
Delta R.T. -0.006 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

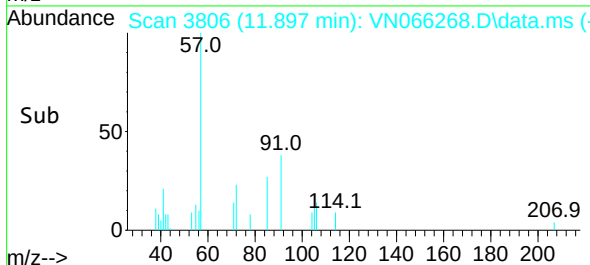
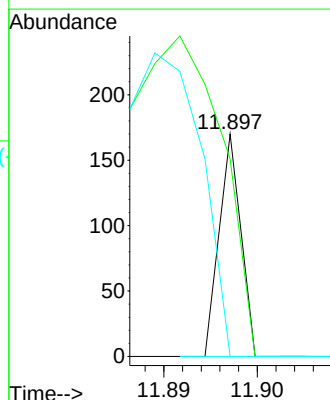
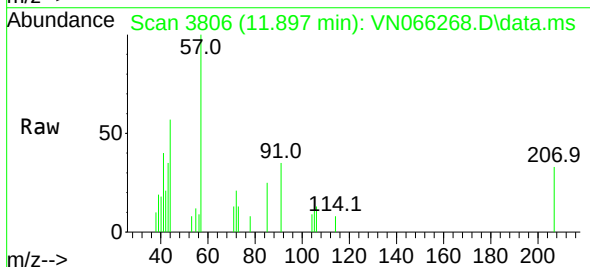
Instrument :
MSVOA_N
ClientSampled :

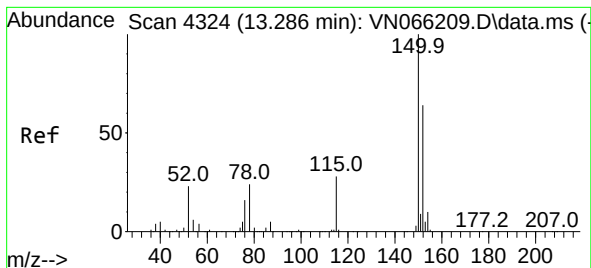
Tgt Ion:106 Resp: 1283
Ion Ratio Lower Upper
106 100
91 176.4 168.2 252.4



#70
Styrene
Concen: 2.15 ug/l
RT: 11.897 min Scan# 3806
Delta R.T. -0.008 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Tgt Ion:104 Resp: 27
Ion Ratio Lower Upper
104 100
78 607.4 43.8 65.6#
103 470.4 43.7 65.5#

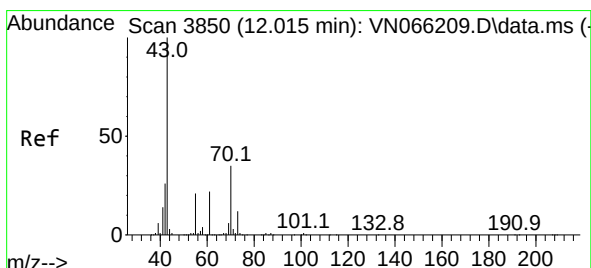
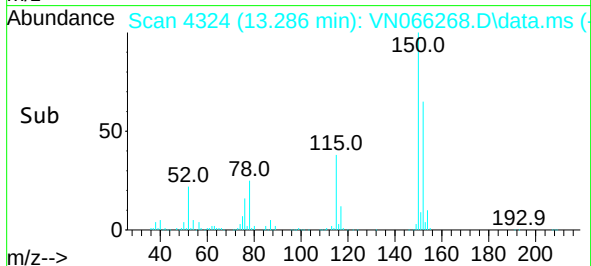
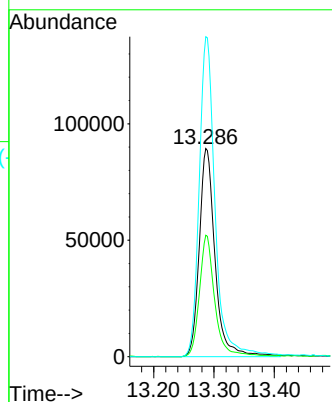
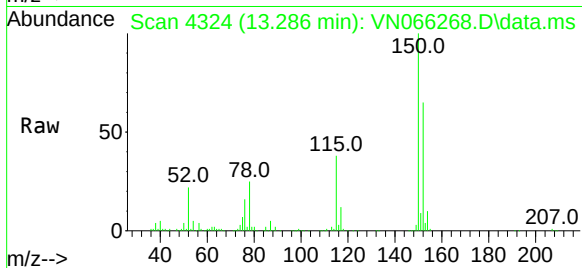




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

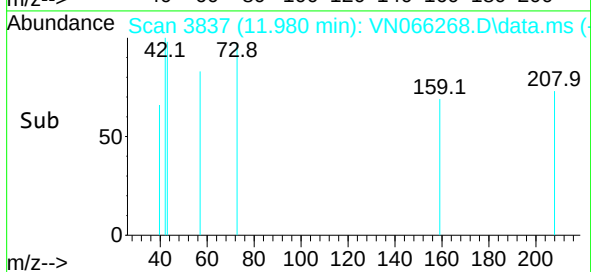
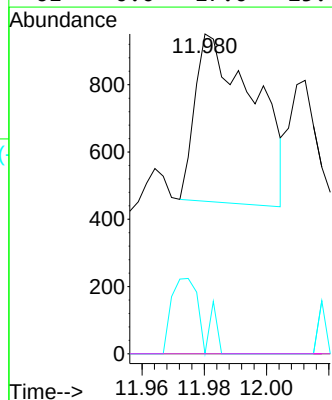
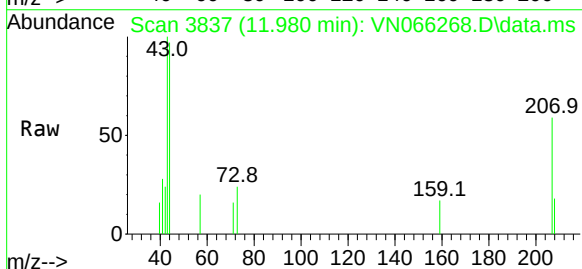
Instrument :
MSVOA_N
ClientSampled :

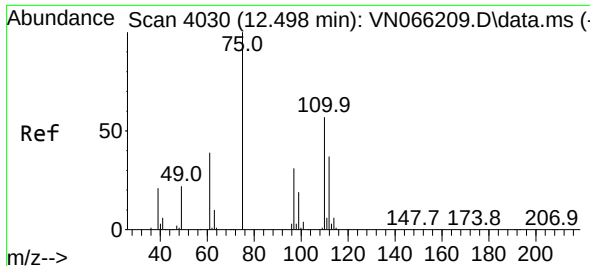
Tgt Ion:152 Resp: 163429
Ion Ratio Lower Upper
152 100
115 56.8 29.4 88.3
150 152.8 0.0 352.2



#74
N-ethyl acetate
Concen: 2.26 ug/l
RT: 11.980 min Scan# 3837
Delta R.T. -0.035 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Tgt Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
70 0.0 26.2 39.4#
55 23.5 17.2 25.8
61 0.0 17.0 25.4#

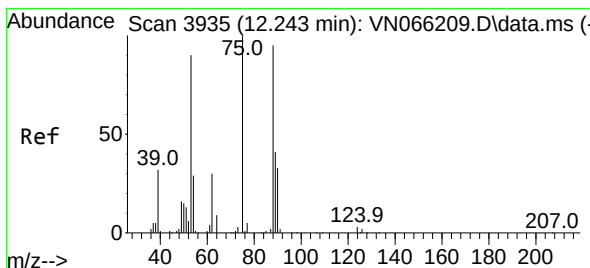
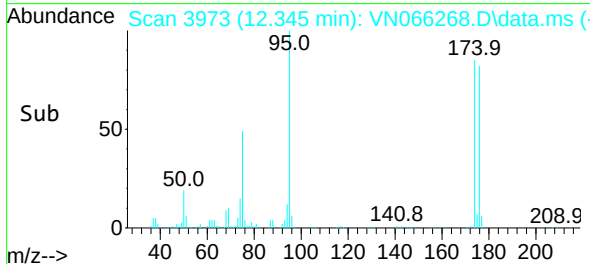
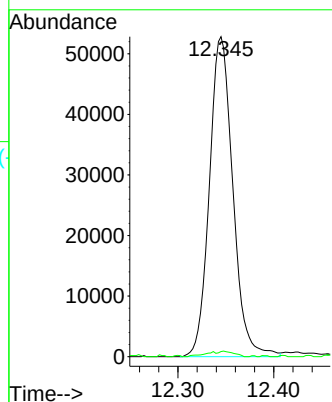
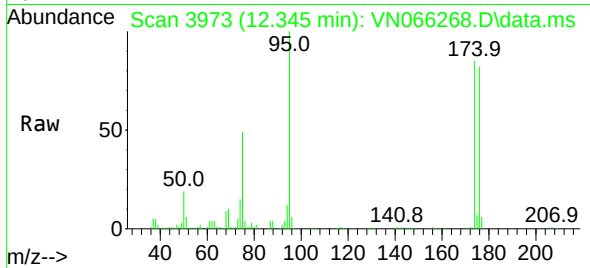




#76
1,2,3-Trichloropropane
Concen: 21.28 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

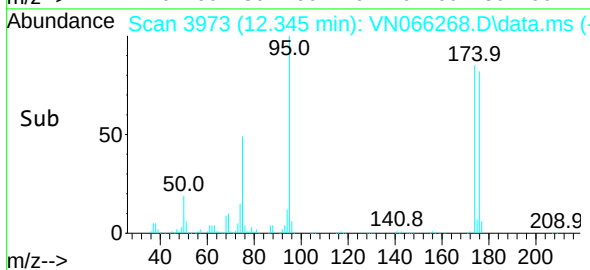
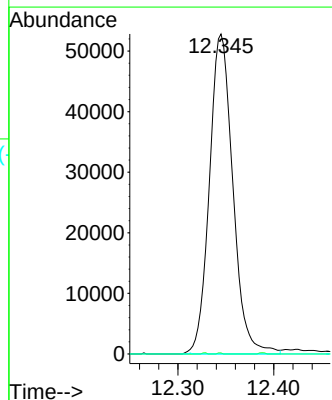
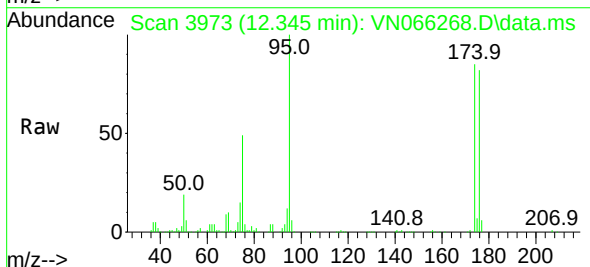
Instrument :
MSVOA_N
ClientSampled :

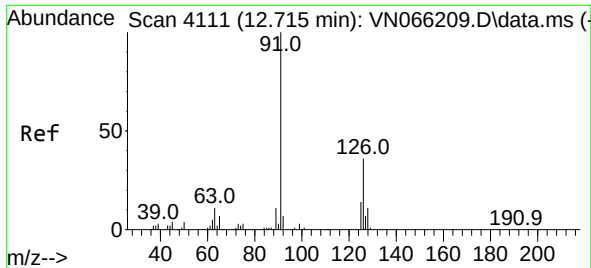
Tgt Ion: 75 Resp: 89830
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.69 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Tgt Ion: 75 Resp: 89830
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.0 33.7 50.5#

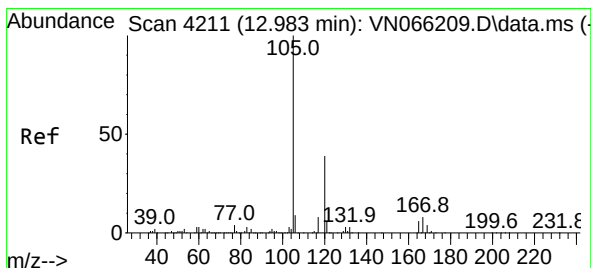
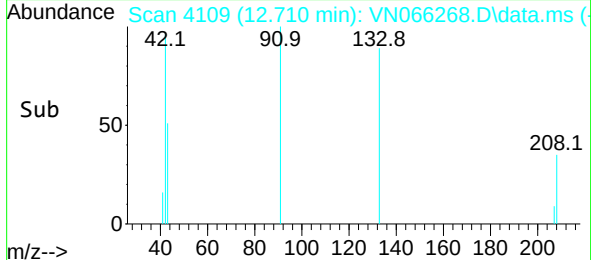
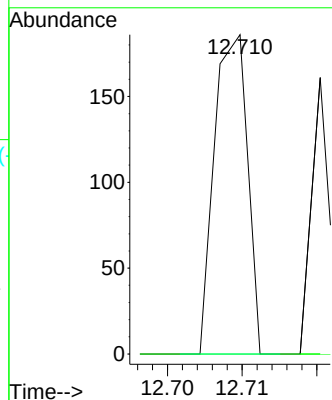
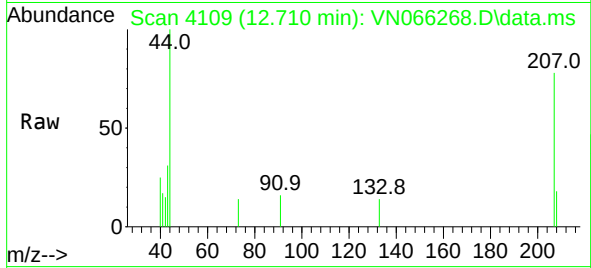




#82
4-Chlorotoluene
Concen: 0.47 ug/l
RT: 12.710 min Scan# 4109
Delta R.T. -0.005 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

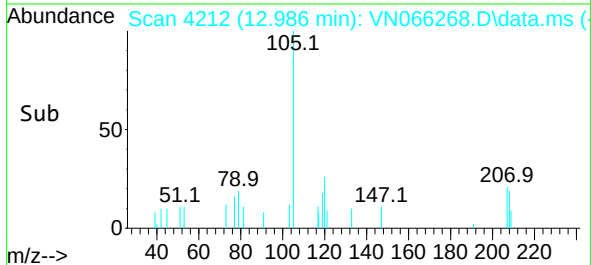
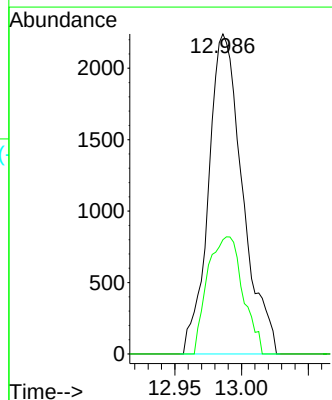
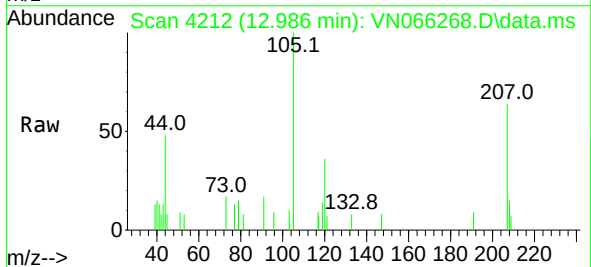
Instrument :
MSVOA_N
ClientSampled :

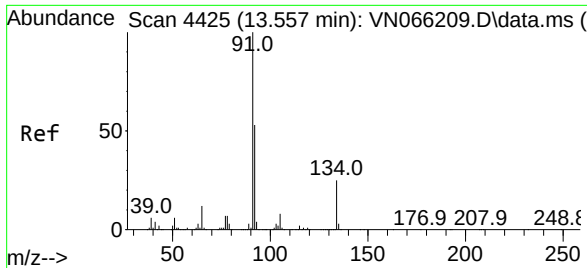
Tgt Ion: 91 Resp: 57
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.43 ug/l
RT: 12.986 min Scan# 4212
Delta R.T. 0.003 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Tgt Ion: 105 Resp: 3966
Ion Ratio Lower Upper
105 100
120 37.9 22.1 66.5

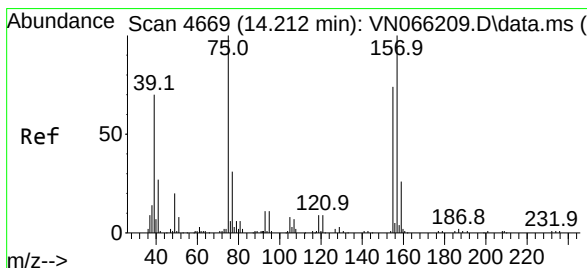
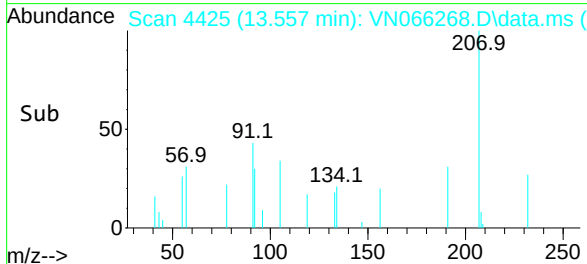
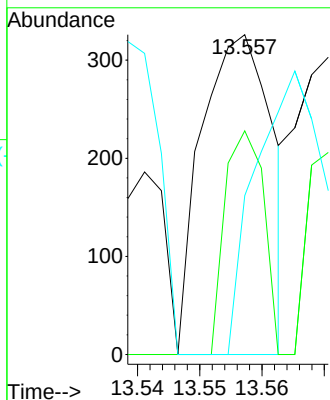
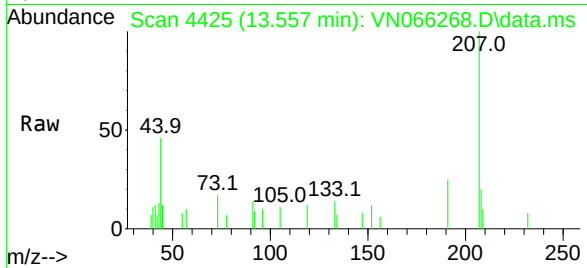




#89
n-Butylbenzene
Concen: 2.26 ug/l
RT: 13.557 min Scan# 4425
Delta R.T. 0.000 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

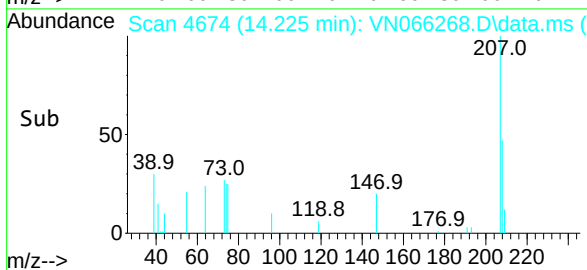
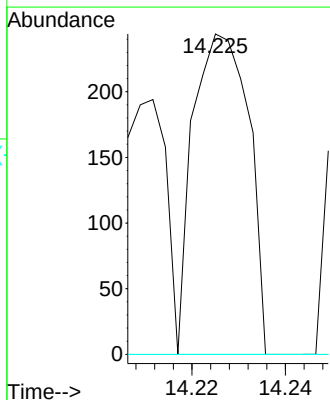
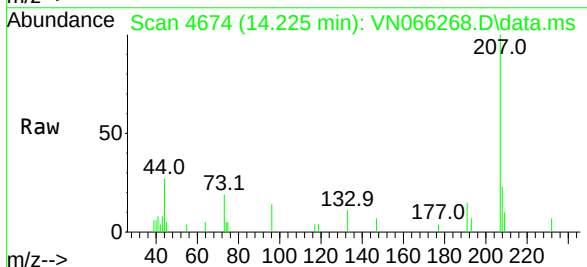
Instrument :
MSVOA_N
ClientSampleId :

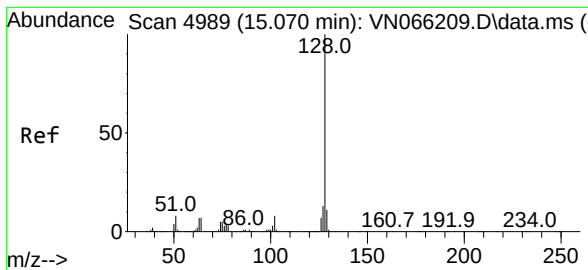
Tgt Ion: 91 Resp: 257
Ion Ratio Lower Upper
91 100
92 38.5 25.7 77.0
134 0.0 11.8 35.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.06 ug/l
RT: 14.225 min Scan# 4674
Delta R.T. 0.013 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Tgt Ion: 75 Resp: 202
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#





#95
Naphthalene
Concen: 0.64 ug/l
RT: 15.073 min Scan# 4990
Delta R.T. 0.003 min
Lab File: VN066268.D
Acq: 18 Mar 2021 20:01

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 6107
Ion Ratio Lower Upper
128 100
127 5.9 10.3 15.5#
129 15.3 8.4 12.6#

