

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066254.D
 Acq On : 18 Mar 2021 14:44
 Operator : JC/MD
 Sample : PB135215ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:25:58 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)

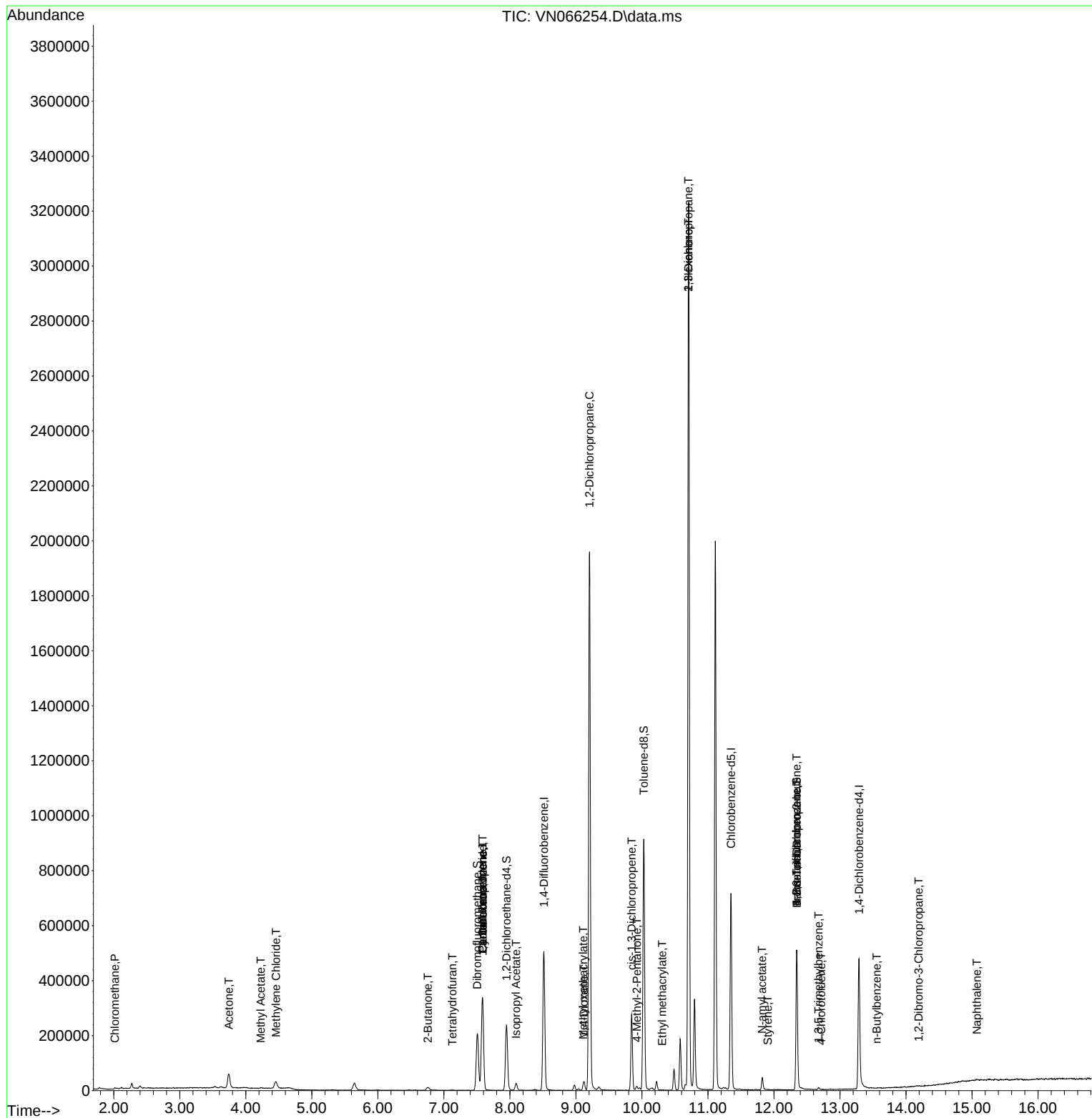
Internal Standards						
1) Pentafluorobenzene	7.587	168	303464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	456984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	430479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	161213	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	198111	45.31	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.62%		
35) Dibromofluoromethane	7.507	113	162776	55.83	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	111.66%		
50) Toluene-d8	10.028	98	620185	55.02	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	110.04%		
62) 4-Bromofluorobenzene	12.345	95	178829	44.01	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.02%		
Target Compounds						Qvalue
3) Chloromethane	2.017	50	2488	0.21	ug/l #	67
13) Acrolein	3.529	56	2278	Below Cal		83
16) Acetone	3.741	43	85620	40.76	ug/l	99
18) Methyl Acetate	4.229	43	2620	0.45	ug/l #	62
20) Methylene Chloride	4.457	84	16852	5.13	ug/l	90
25) 2-Butanone	6.758	43	11921	3.65	ug/l #	86
29) Tetrahydrofuran	7.129	42	597	0.27	ug/l #	59
31) Cyclohexane	7.587	56	4975	0.76	ug/l #	1
36) 1,1-Dichloropropene	7.590	75	20049	4.33	ug/l #	44
38) Carbon Tetrachloride	7.587	117	24716	5.96	ug/l #	18
43) Isopropyl Acetate	8.094	43	30901	3.02	ug/l #	93
45) 1,2-Dichloropropane	9.207	63	2295	0.57	ug/l #	44
48) Methyl methacrylate	9.111	41	8068	1.66	ug/l #	21
49) 1,4-Dioxane	9.119	88	25	0.48	ug/l #	1
51) 4-Methyl-2-Pentanone	9.926	43	11949	1.93	ug/l	100
54) cis-1,3-Dichloropropene	9.845	75	48469	8.08	ug/l #	54
56) Ethyl methacrylate	10.307	69	142	2.18	ug/l #	17
57) 1,3-Dichloropropane	10.706	76	32951	5.54	ug/l #	43
59) 2-Hexanone	10.706	43	464956	97.03	ug/l #	58
70) Styrene	11.908	104	152	2.16	ug/l #	39
71) Bromoform	12.348	173	1671	0.65	ug/l #	1
74) N-amyl acetate	11.822	43	14234	4.33	ug/l #	63
76) 1,2,3-Trichloropropane	12.345	75	80342	19.30	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.678	105	3541	0.38	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.345	75	80342	57.75	ug/l #	11
82) 4-Chlorotoluene	12.715	91	307	0.50	ug/l #	43
89) n-Butylbenzene	13.557	91	360	2.28	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.193	75	381	1.26	ug/l #	8
95) Naphthalene	15.073	128	1899	0.20	ug/l #	84

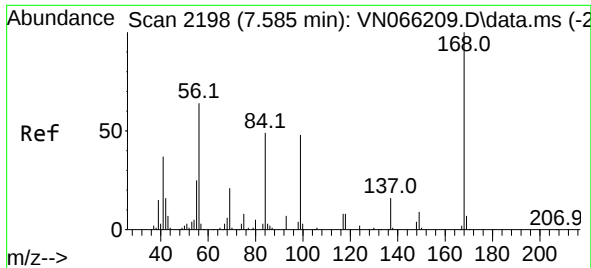
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 17 05:05:15 2021
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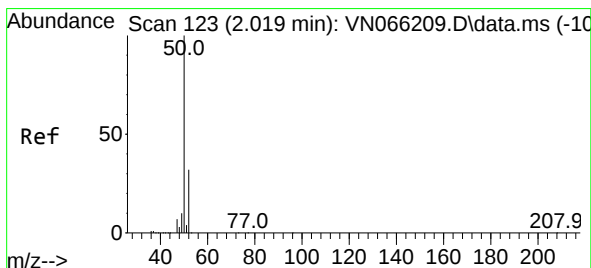
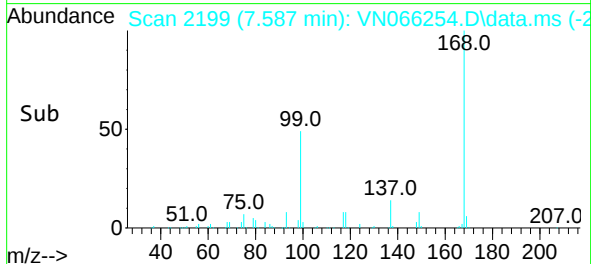
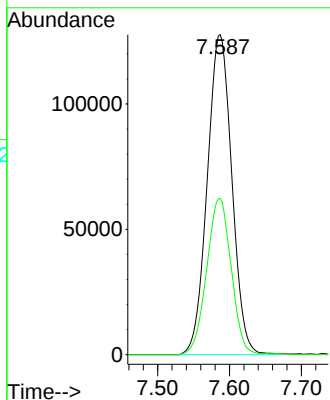
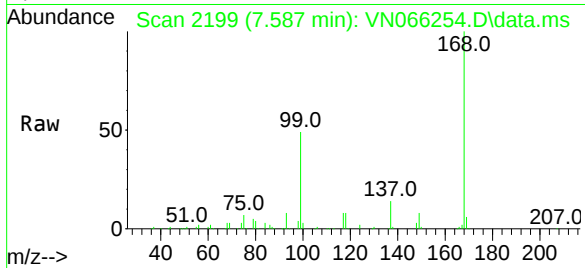




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

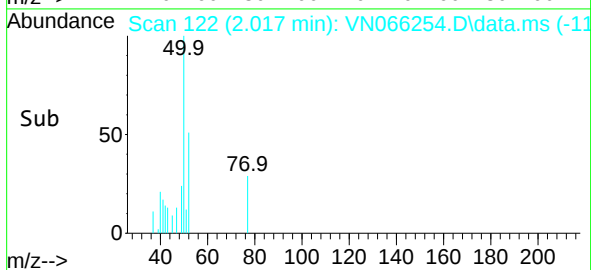
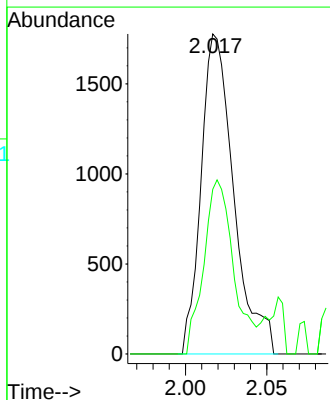
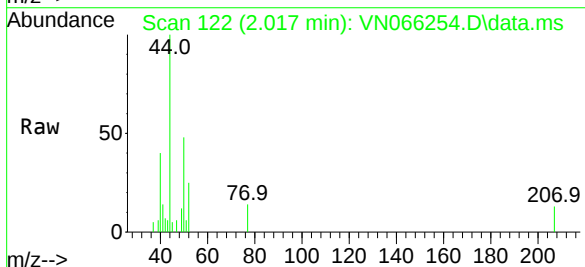
Instrument :
MSVOA_N
ClientSampleId :

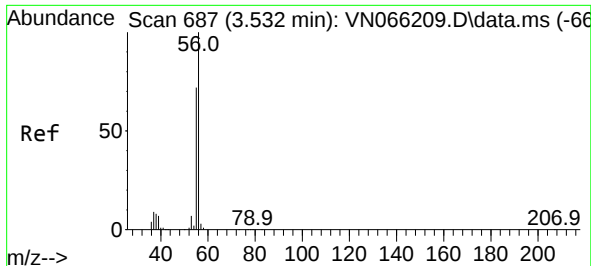
Tgt Ion:168 Resp: 303464
Ion Ratio Lower Upper
168 100
99 48.8 45.4 68.0



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.002 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion: 50 Resp: 2488
Ion Ratio Lower Upper
50 100
52 51.4 26.2 39.4#

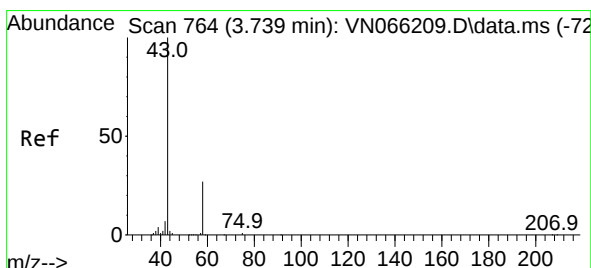
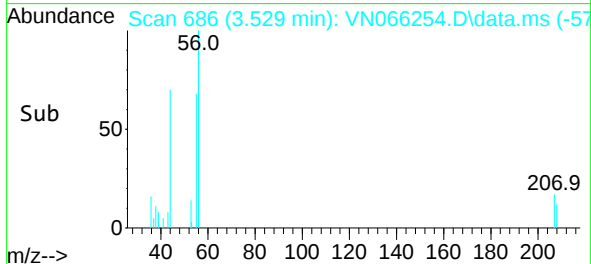
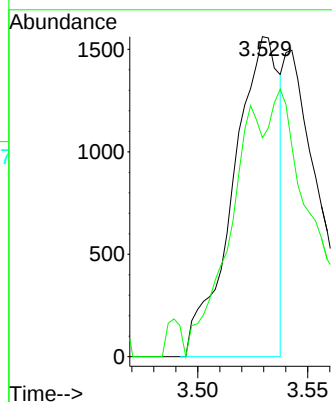
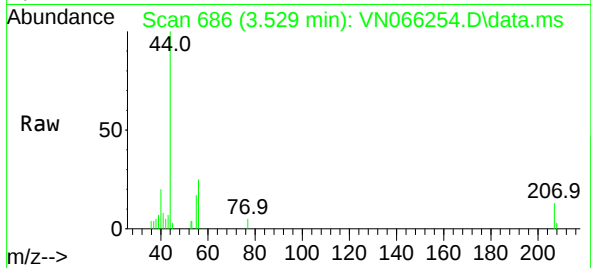




#13
Acrolein
Concen: Below Cal
RT: 3.529 min Scan# 686
Delta R.T. -0.003 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

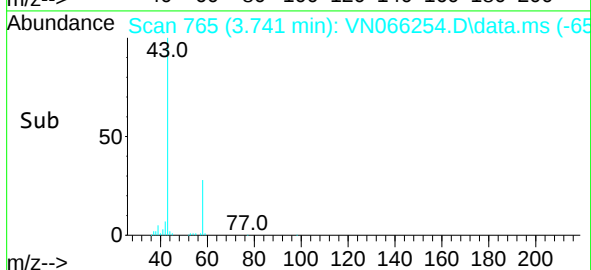
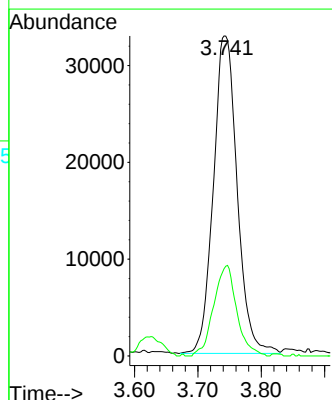
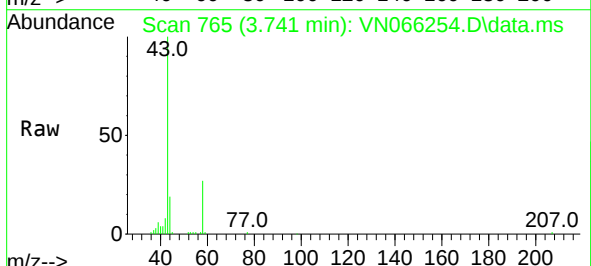
Instrument :
MSVOA_N
ClientSampled :

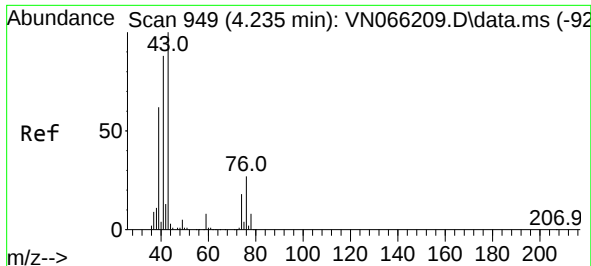
Tgt Ion: 56 Resp: 2278
Ion Ratio Lower Upper
56 100
55 58.3 58.0 87.0



#16
Acetone
Concen: 40.76 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

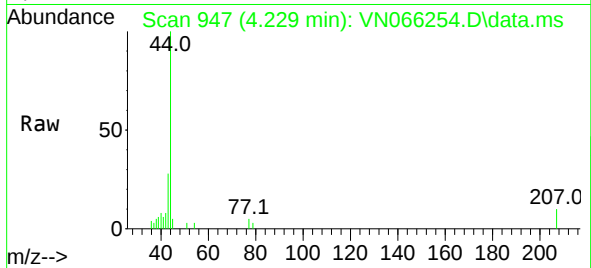
Tgt Ion: 43 Resp: 85620
Ion Ratio Lower Upper
43 100
58 27.5 22.3 33.5



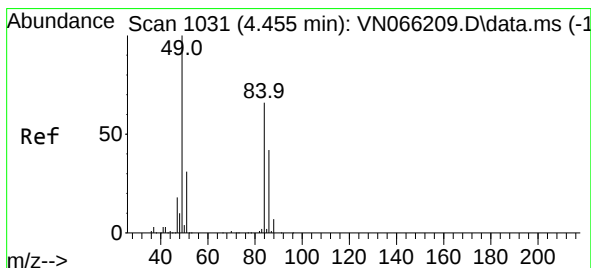
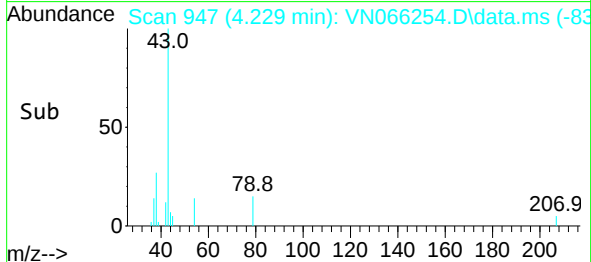
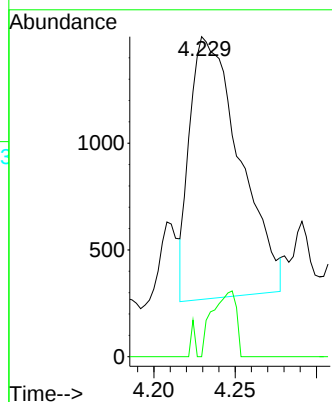


#18
Methyl Acetate
Concen: 0.45 ug/l
RT: 4.229 min Scan# 947
Delta R.T. -0.006 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Instrument :
MSVOA_N
ClientSampleId :

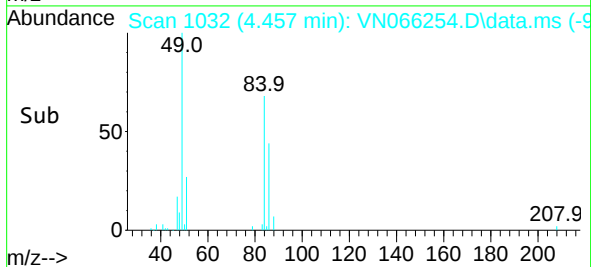
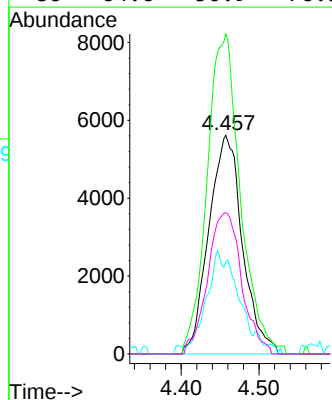
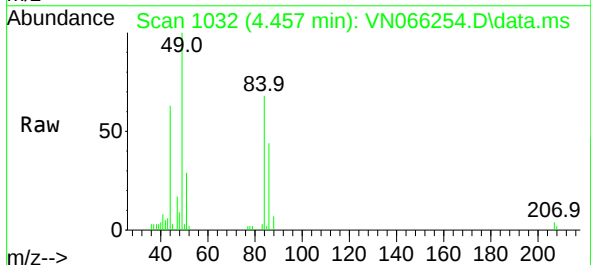


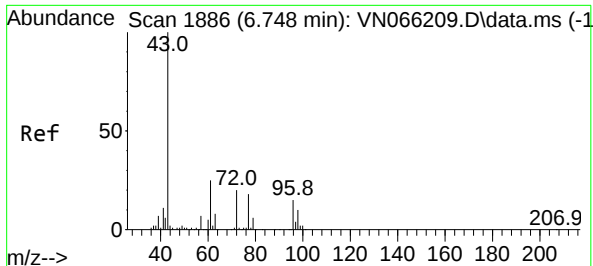
Tgt Ion: 43 Resp: 2620
Ion Ratio Lower Upper
43 100
74 1.1 14.2 21.2#



#20
Methylene Chloride
Concen: 5.13 ug/l
RT: 4.457 min Scan# 1032
Delta R.T. 0.002 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion: 84 Resp: 16852
Ion Ratio Lower Upper
84 100
49 146.4 130.0 195.0
51 39.2 39.1 58.7
86 64.6 50.9 76.3

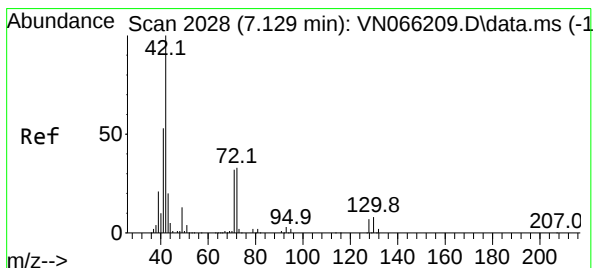
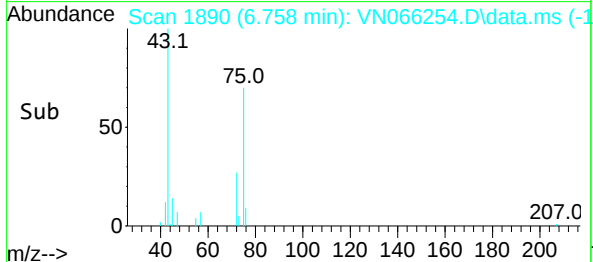
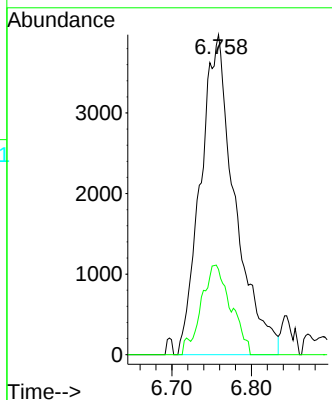
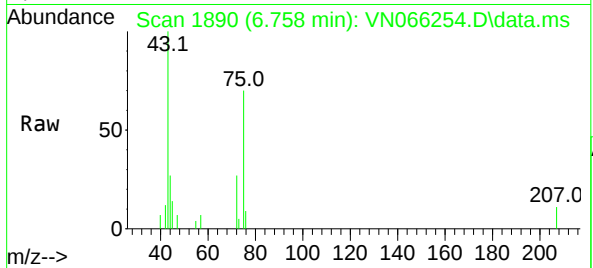




#25
2-Butanone
Concen: 3.65 ug/l
RT: 6.758 min Scan# 1890
Delta R.T. 0.010 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

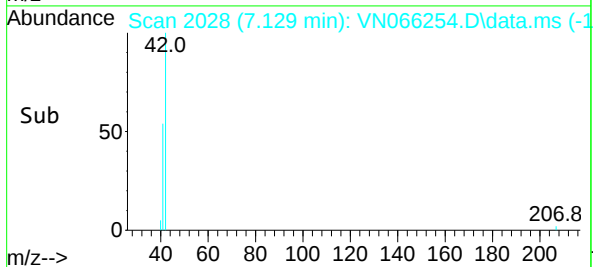
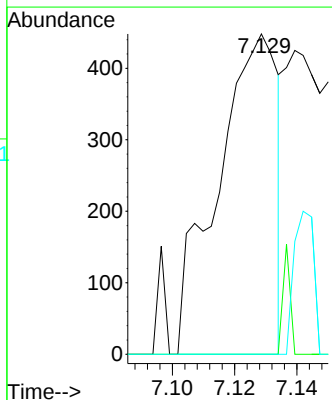
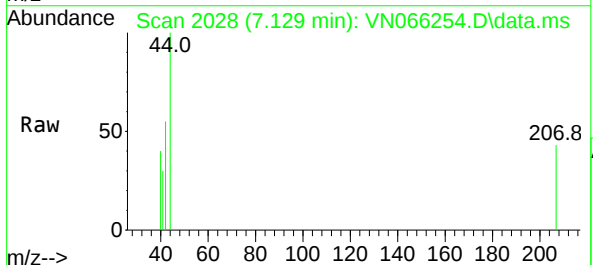
Instrument :
MSVOA_N
ClientSampled :

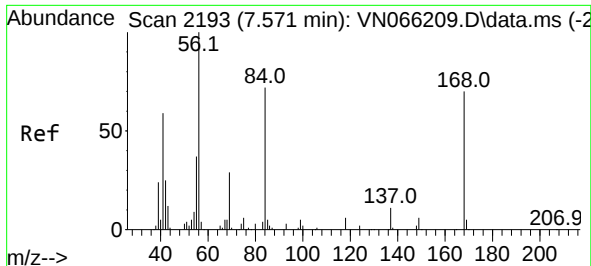
Tgt Ion: 43 Resp: 11921
Ion Ratio Lower Upper
43 100
72 26.6 16.2 24.2#



#29
Tetrahydrofuran
Concen: 0.27 ug/l
RT: 7.129 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

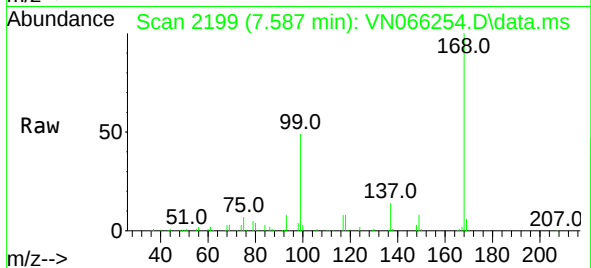
Tgt Ion: 42 Resp: 597
Ion Ratio Lower Upper
42 100
72 4.2 26.2 39.4#
71 14.7 25.4 38.2#



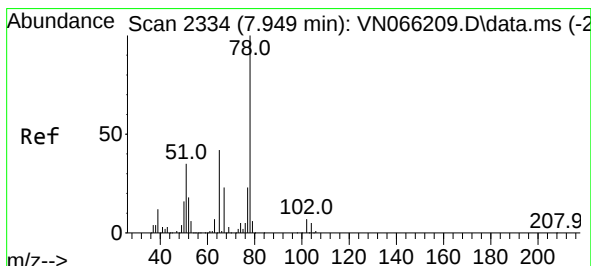
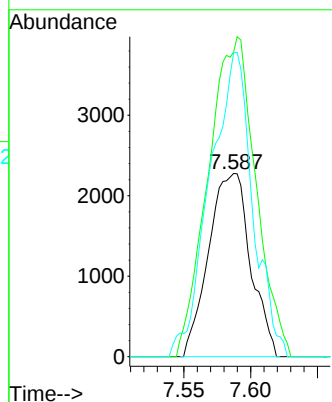
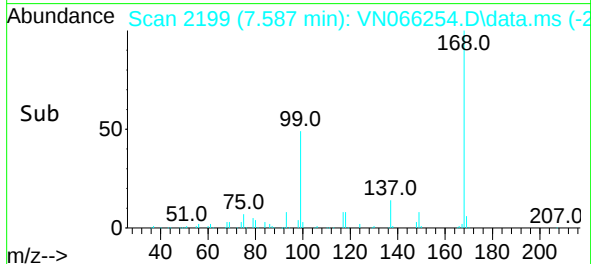


#31
Cyclohexane
Concen: 0.76 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.016 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

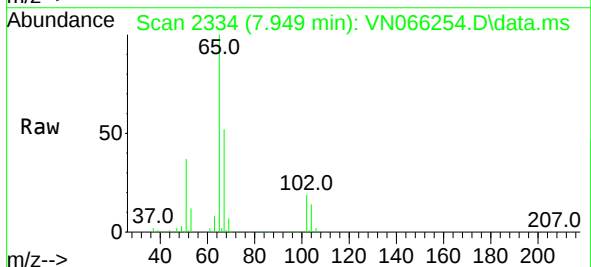
Instrument :
MSVOA_N
ClientSampled :



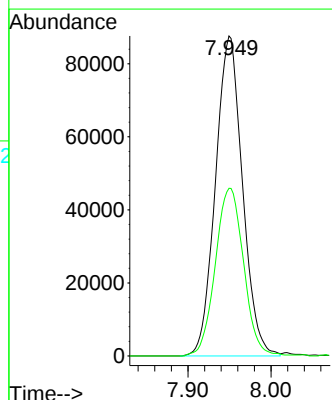
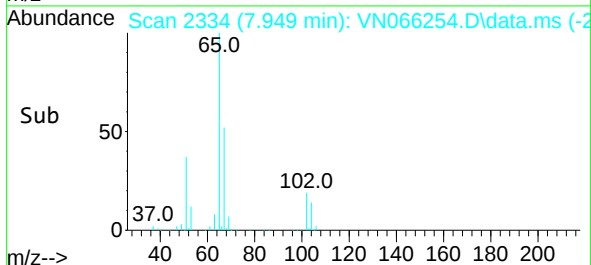
Tgt Ion: 56 Resp: 4975
Ion Ratio Lower Upper
56 100
69 157.3 23.4 35.0#
84 155.0 57.8 86.6#

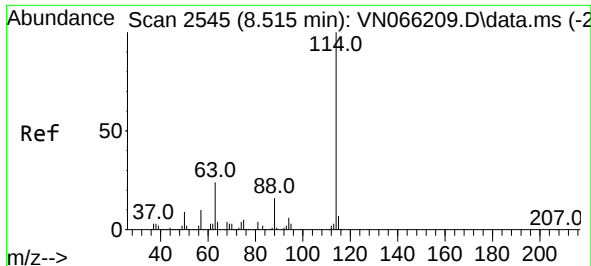


#33
1,2-Dichloroethane-d4
Concen: 45.31 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44



Tgt Ion: 65 Resp: 198111
Ion Ratio Lower Upper
65 100
67 54.8 0.0 107.2

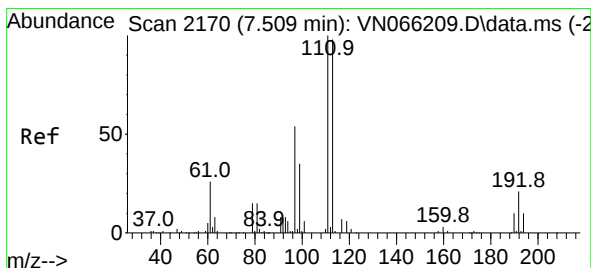
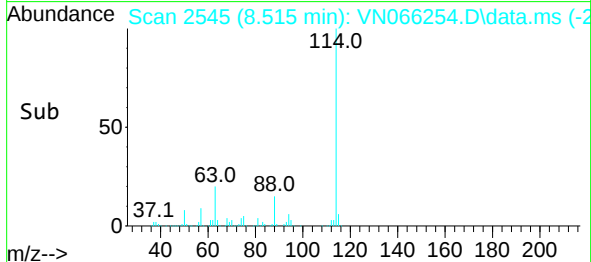
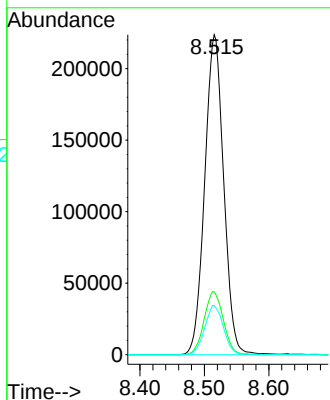
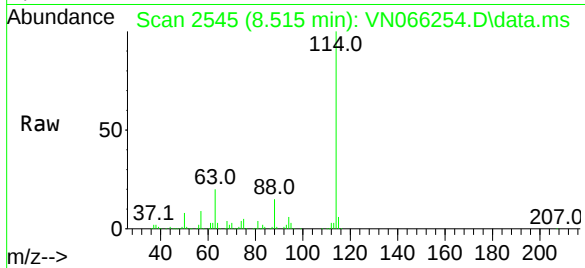




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

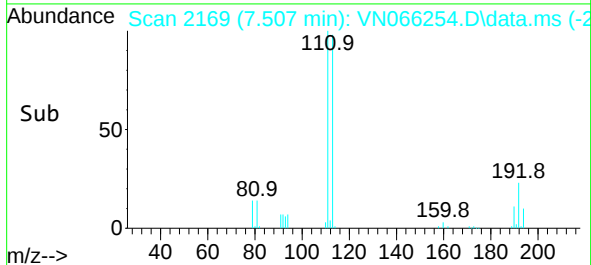
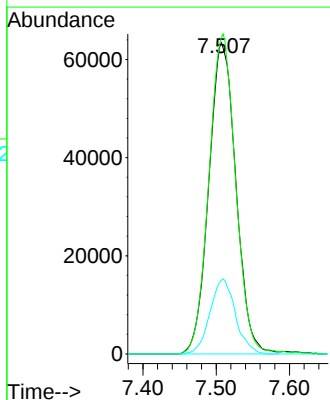
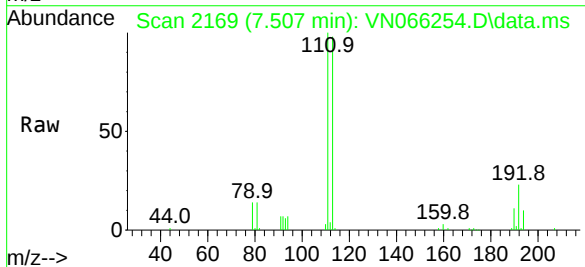
Instrument :
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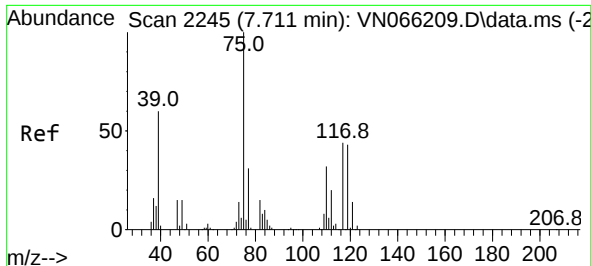
Tgt Ion:114 Resp: 456984
Ion Ratio Lower Upper
114 100
63 19.7 0.0 49.2
88 15.4 0.0 33.8



#35
Dibromofluoromethane
Concen: 55.83 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. -0.002 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion:113 Resp: 162776
Ion Ratio Lower Upper
113 100
111 101.3 84.0 126.0
192 22.7 16.7 25.1

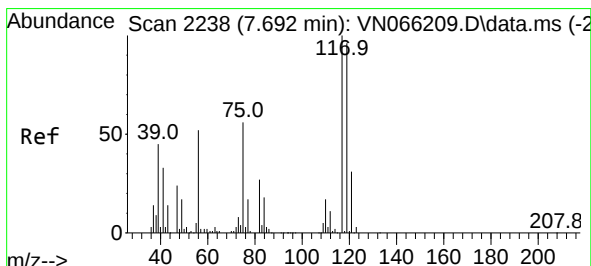
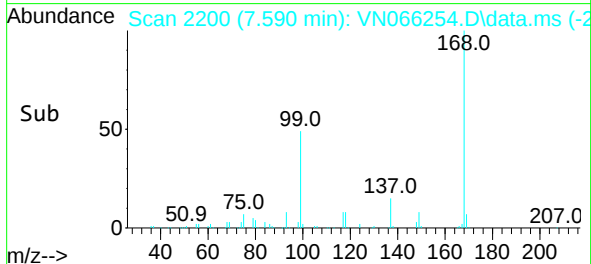
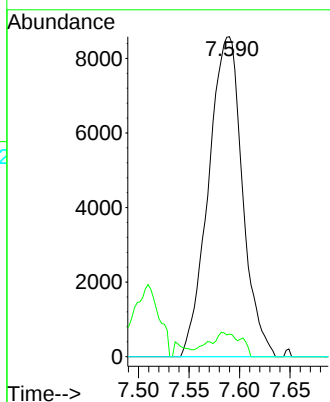
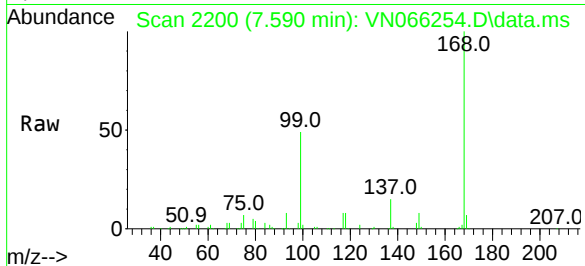




#36
1,1-Dichloropropene
Concen: 4.33 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. -0.121 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

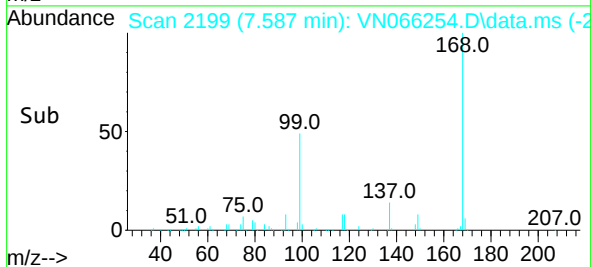
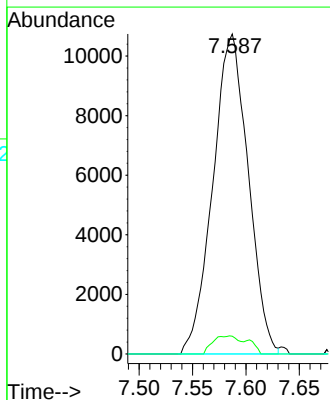
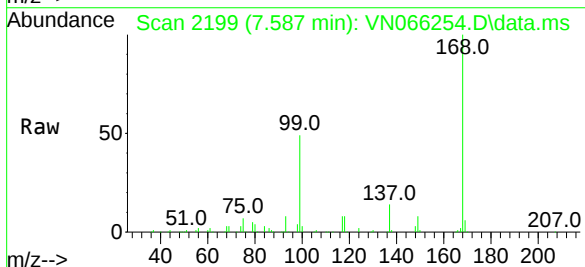
Instrument :
MSVOA_N
ClientSampleId :

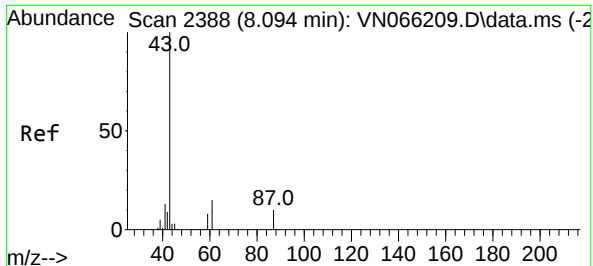
Tgt Ion: 75 Resp: 20049
Ion Ratio Lower Upper
75 100
110 1.5 16.0 48.0#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.96 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.105 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion: 117 Resp: 24716
Ion Ratio Lower Upper
117 100
119 5.6 74.6 111.8#
121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 3.02 ug/l

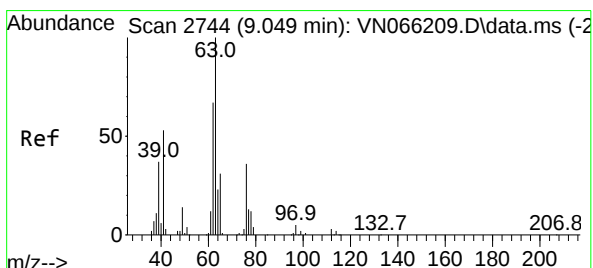
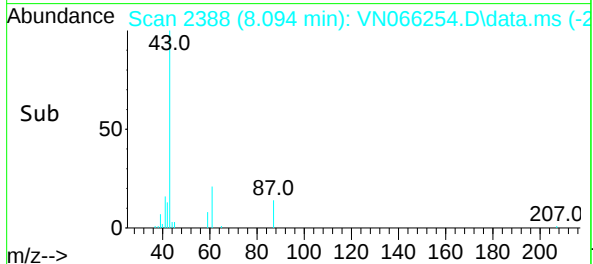
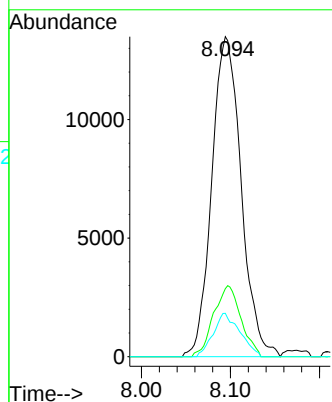
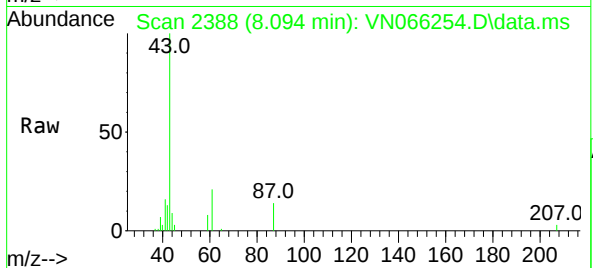
RT: 8.094 min Scan# 2388

Delta R.T. 0.000 min

Lab File: VN066254.D

Acq: 18 Mar 2021 14:44

Tgt Ion: 43	Resp: 30901
Ion Ratio	Lower Upper
43 100	
61 20.7	14.0 21.0
87 12.3	7.9 11.9#



#45

1,2-Dichloropropane

Concen: 0.57 ug/l

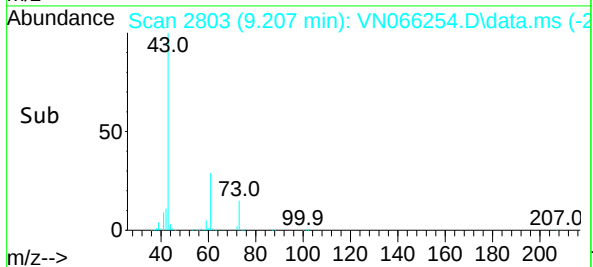
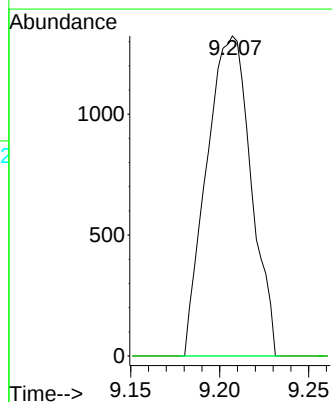
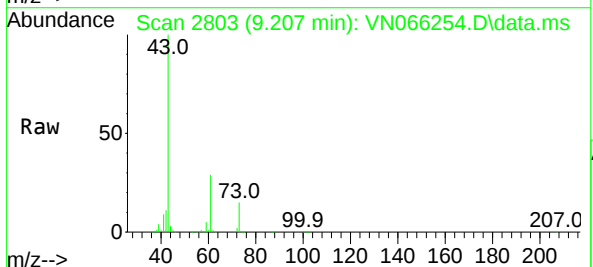
RT: 9.207 min Scan# 2803

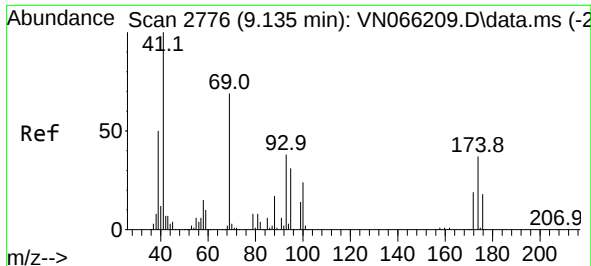
Delta R.T. 0.158 min

Lab File: VN066254.D

Acq: 18 Mar 2021 14:44

Tgt Ion: 63	Resp: 2295
Ion Ratio	Lower Upper
63 100	
65 0.0	24.6 37.0#

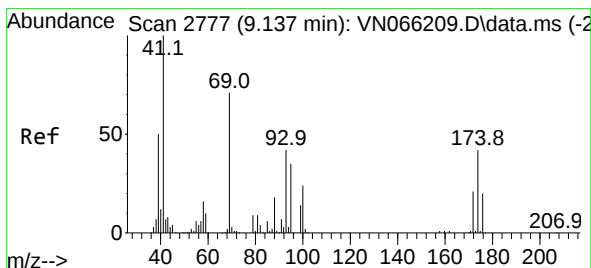
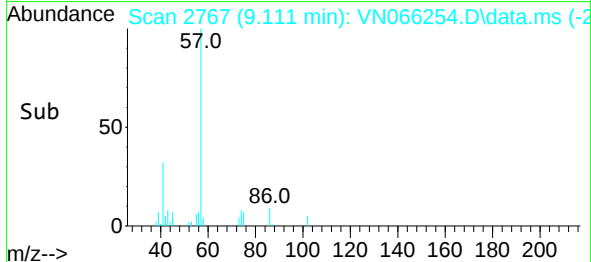
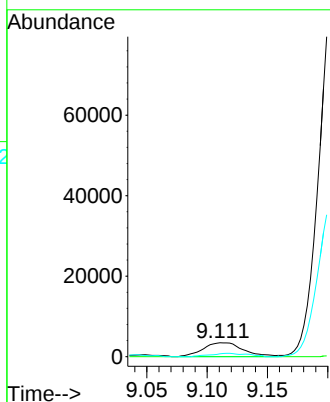
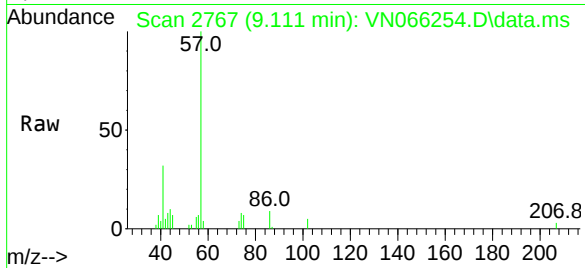




#48
Methyl methacrylate
Concen: 1.66 ug/l
RT: 9.111 min Scan# 2767
Delta R.T. -0.024 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

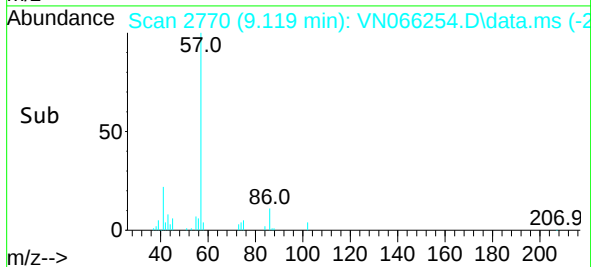
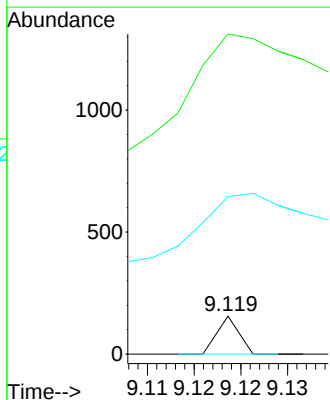
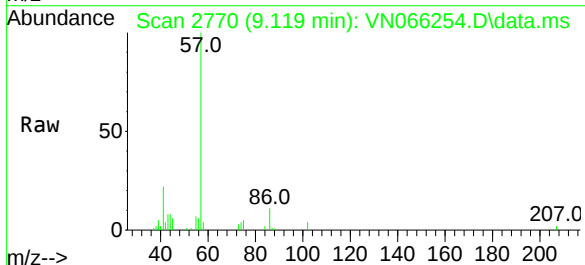
Instrument :
MSVOA_N
ClientSampleId :

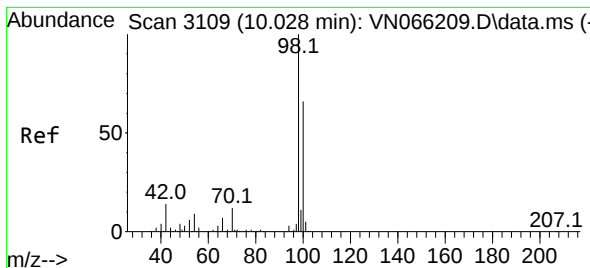
Tgt Ion: 41 Resp: 8068
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 0.0 40.2 60.2#



#49
1,4-Dioxane
Concen: 0.48 ug/l
RT: 9.119 min Scan# 2770
Delta R.T. -0.018 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 34.4 51.6#
58 5560.0 67.3 100.9#

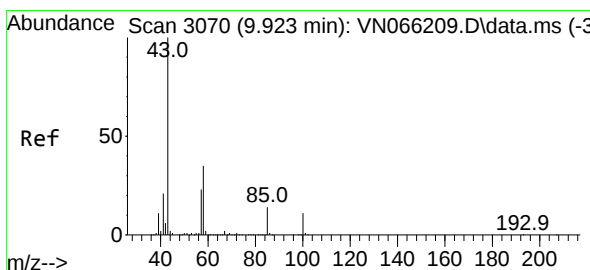
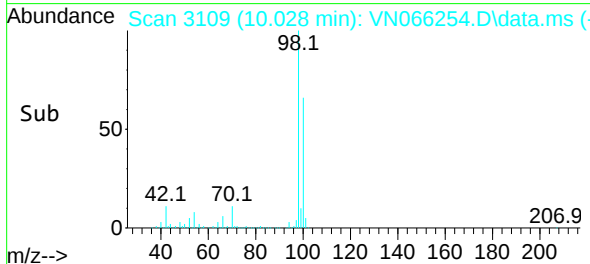
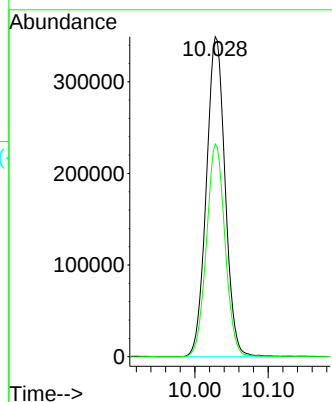
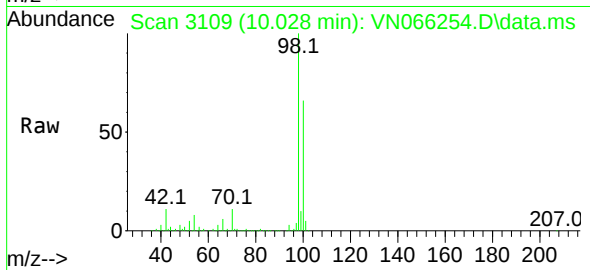




#50
Toluene-d8
Concen: 55.02 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

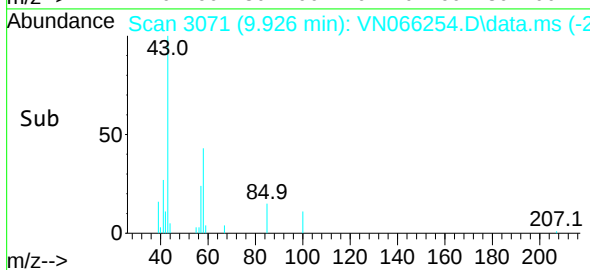
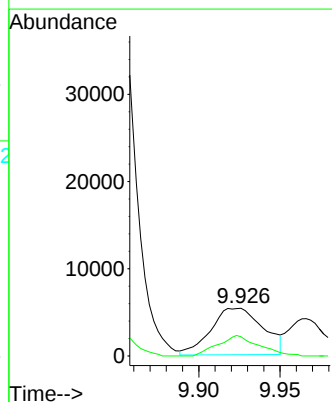
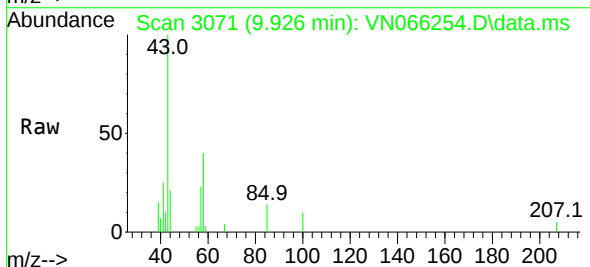
Instrument :
MSVOA_N
ClientSampled :

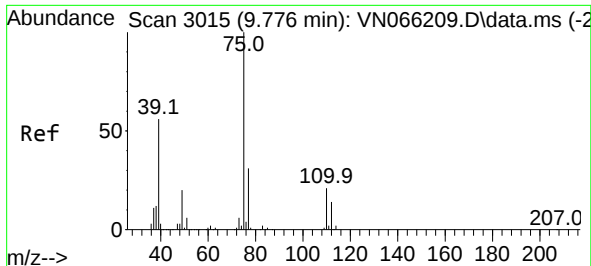
Tgt Ion: 98 Resp: 620185
Ion Ratio Lower Upper
98 100
100 65.9 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.93 ug/l
RT: 9.926 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

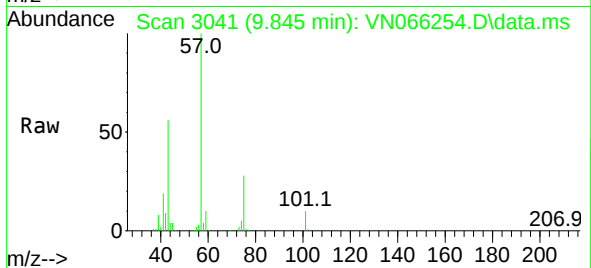
Tgt Ion: 43 Resp: 11949
Ion Ratio Lower Upper
43 100
58 34.4 27.5 41.3



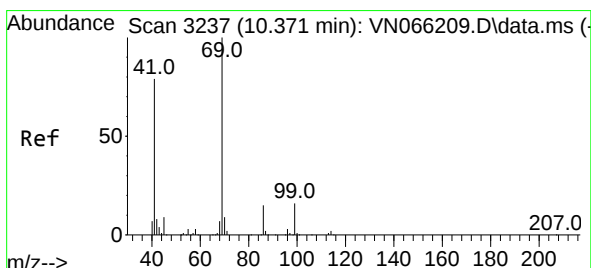
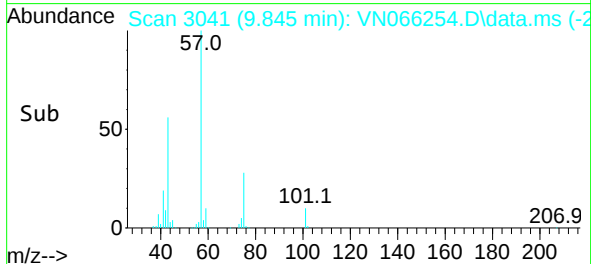
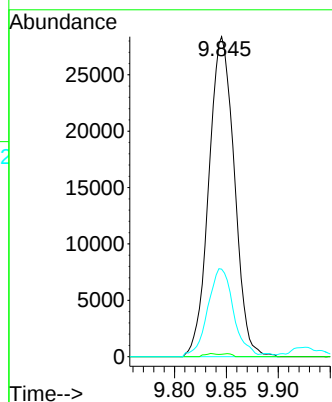


#54
 cis-1,3-Dichloropropene
 Concen: 8.08 ug/l
 RT: 9.845 min Scan# 3041
 Delta R.T. 0.069 min
 Lab File: VN066254.D
 Acq: 18 Mar 2021 14:44

Instrument :
 MSVOA_N
 ClientSampleId :

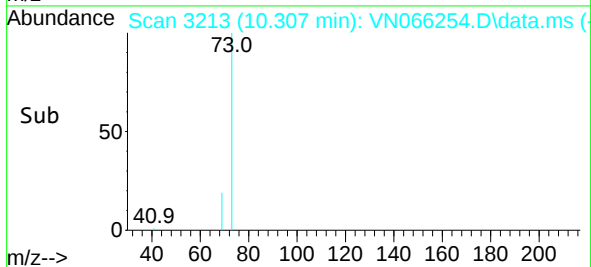
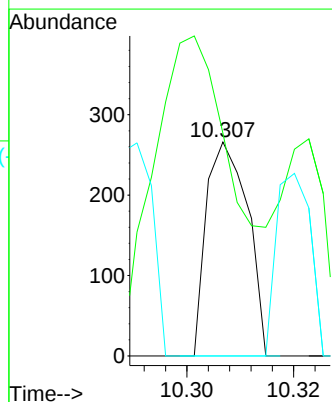
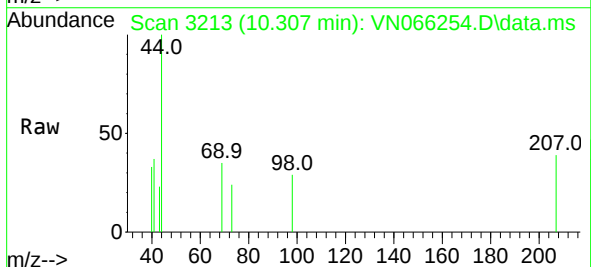


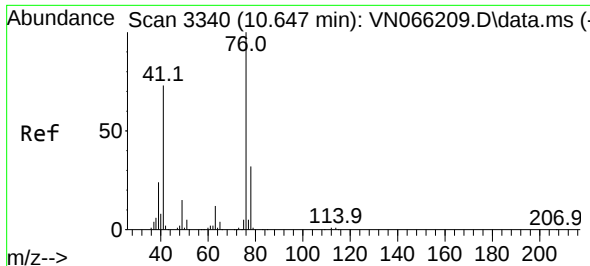
Tgt Ion: 75 Resp: 48469
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.4#
 39 27.4 46.2 69.2#



#56
 Ethyl methacrylate
 Concen: 2.18 ug/l
 RT: 10.307 min Scan# 3213
 Delta R.T. -0.064 min
 Lab File: VN066254.D
 Acq: 18 Mar 2021 14:44

Tgt Ion: 69 Resp: 142
 Ion Ratio Lower Upper
 69 100
 41 0.0 66.2 99.4#
 39 0.0 31.5 47.3#

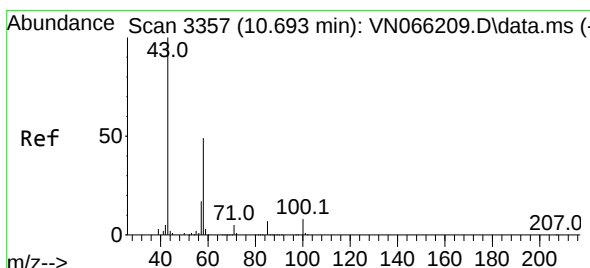
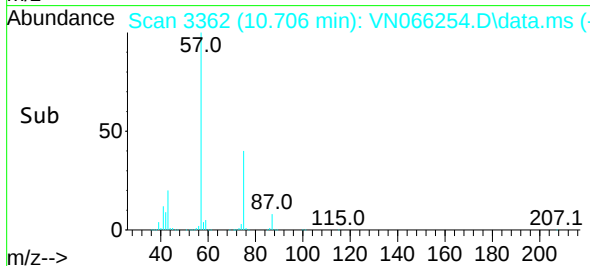
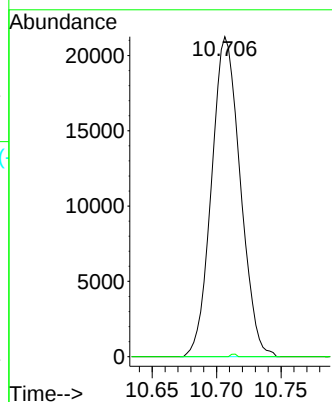
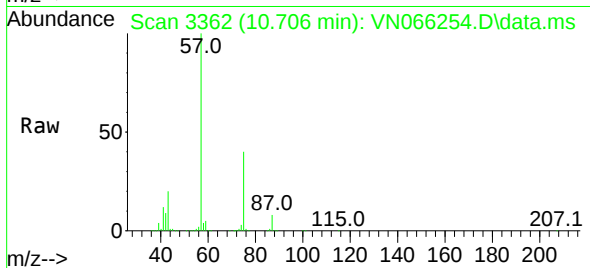




#57
1,3-Dichloropropane
Concen: 5.54 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

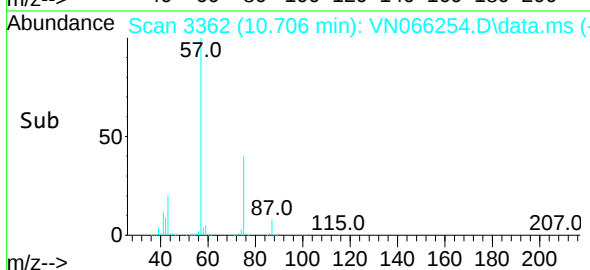
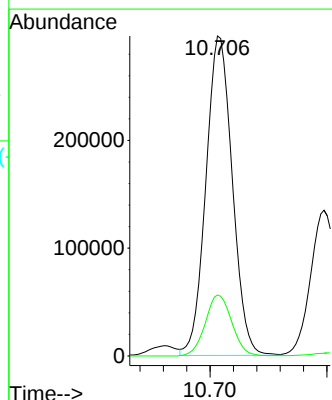
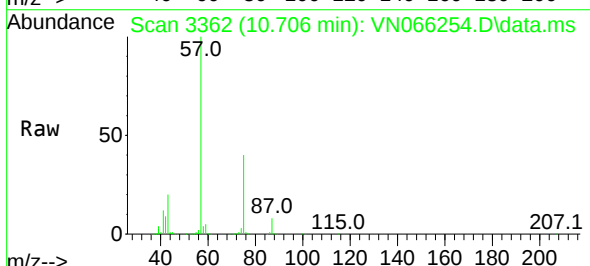
Instrument :
MSVOA_N
ClientSampled :

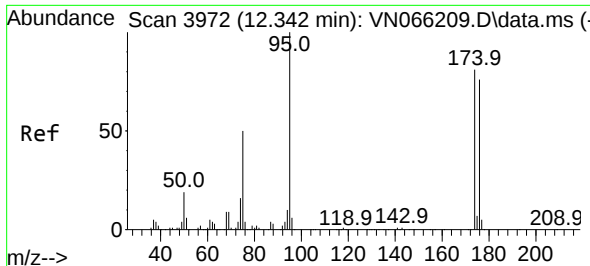
Tgt Ion: 76 Resp: 32951
Ion Ratio Lower Upper
76 100
78 0.2 25.4 38.2#



#59
2-Hexanone
Concen: 97.03 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.013 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion: 43 Resp: 464956
Ion Ratio Lower Upper
43 100
58 19.2 23.8 71.5#

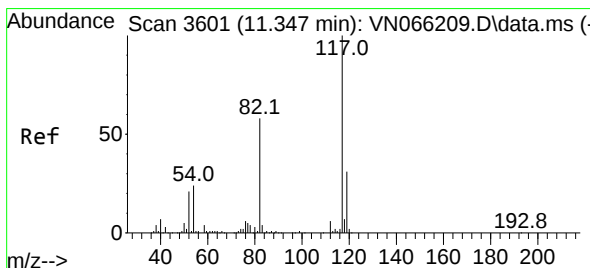
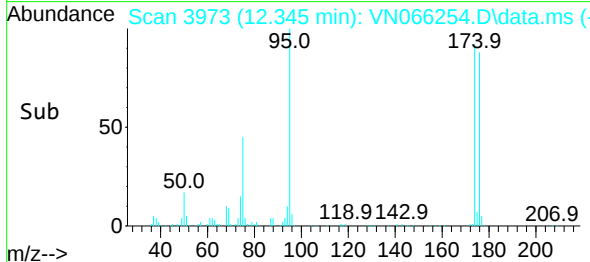
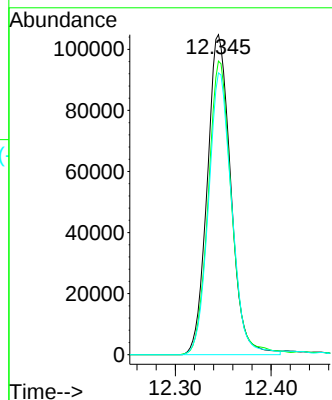
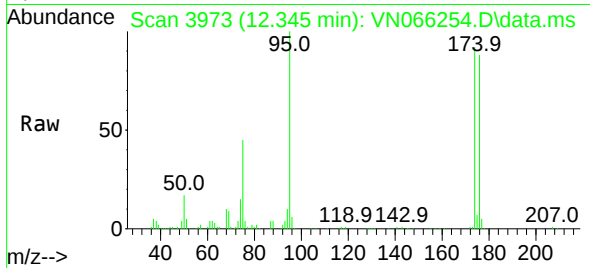




#62
4-Bromofluorobenzene
Concen: 44.01 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

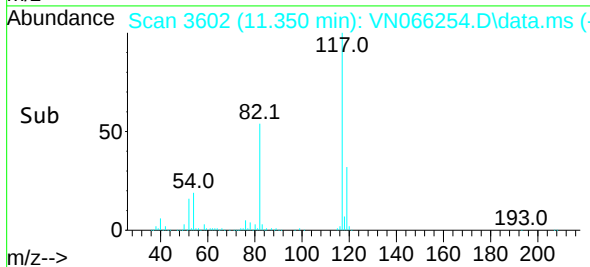
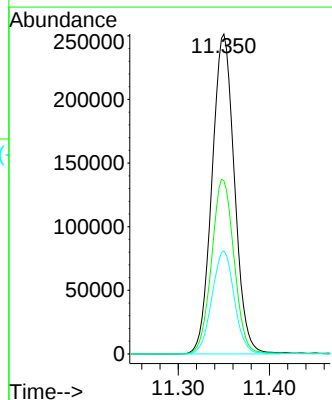
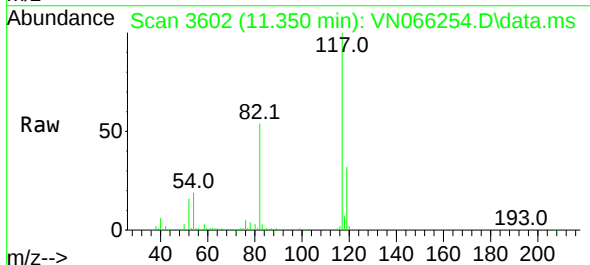
Instrument :
MSVOA_N
ClientSampleId :

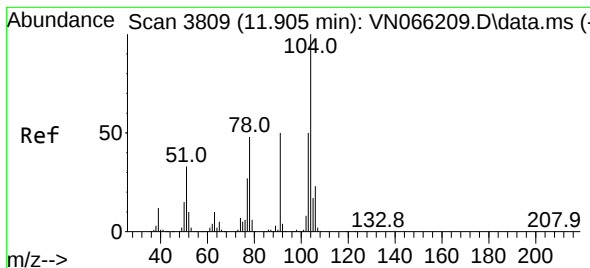
Tgt Ion: 95 Resp: 178829
Ion Ratio Lower Upper
95 100
174 90.8 0.0 162.4
176 86.9 0.0 156.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion: 117 Resp: 430479
Ion Ratio Lower Upper
117 100
82 54.2 49.0 73.6
119 32.2 25.7 38.5





#70

Styrene

Concen: 2.16 ug/l

RT: 11.908 min Scan# 3810

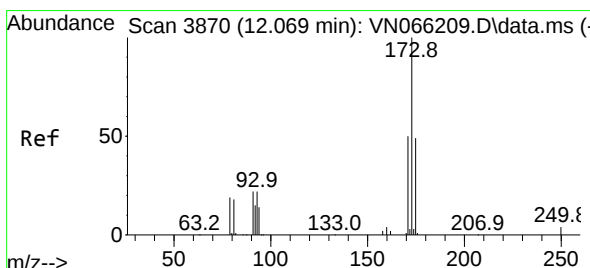
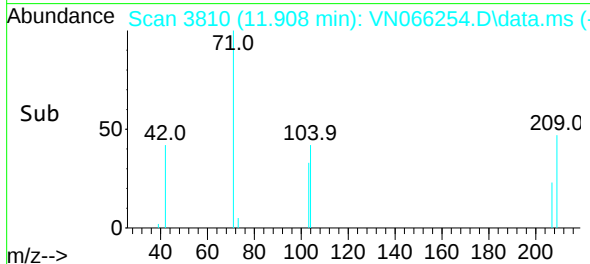
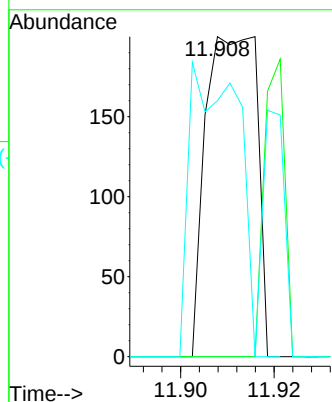
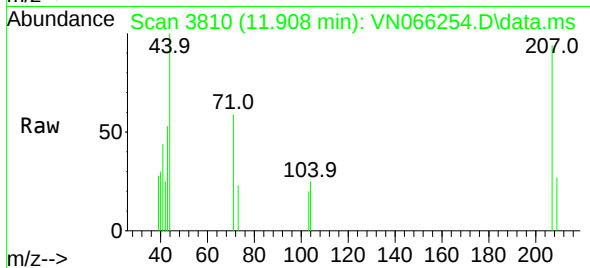
Delta R.T. 0.003 min

Lab File: VN066254.D

Acq: 18 Mar 2021 14:44

Tgt Ion:	104	Resp:	152
Ion Ratio	Lower	Upper	
104	100		
78	0.0	43.8	65.6#
103	87.5	43.7	65.5#

Instrument :
MSVOA_N
ClientSampled :



#71

Bromoform

Concen: 0.65 ug/l

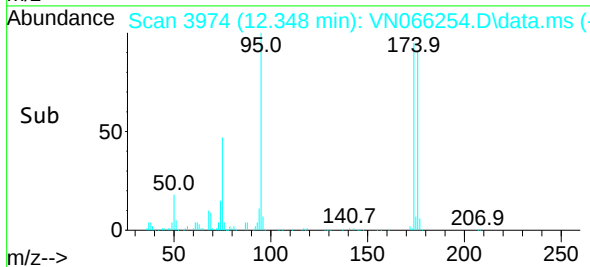
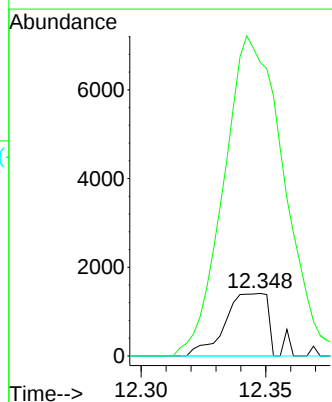
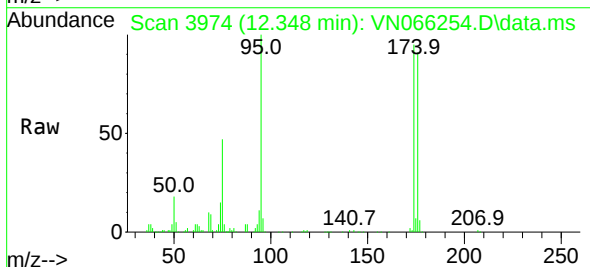
RT: 12.348 min Scan# 3974

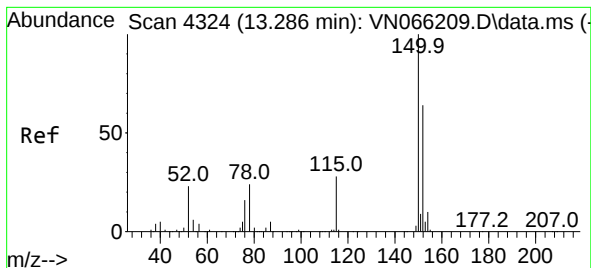
Delta R.T. 0.279 min

Lab File: VN066254.D

Acq: 18 Mar 2021 14:44

Tgt Ion:	173	Resp:	1671
Ion Ratio	Lower	Upper	
173	100		
175	647.0	23.9	71.8#
254	0.0	0.0	0.0

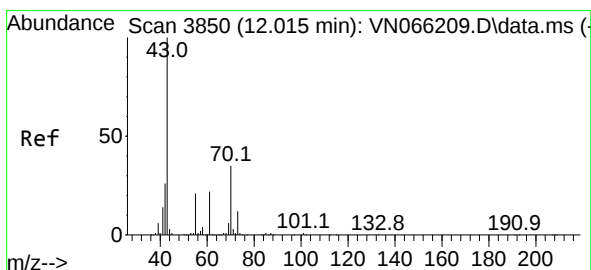
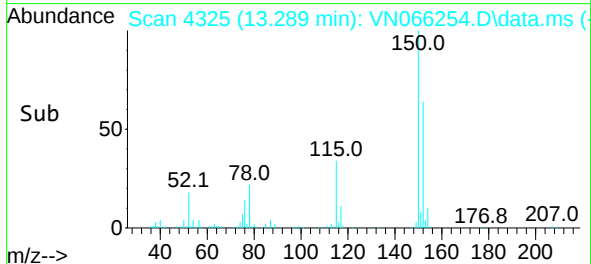
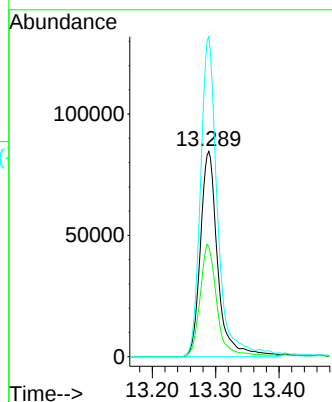
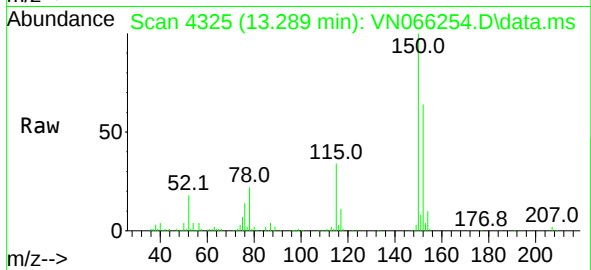




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

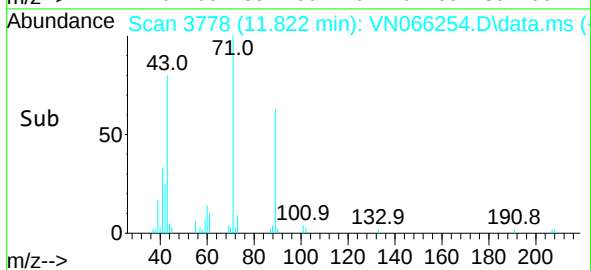
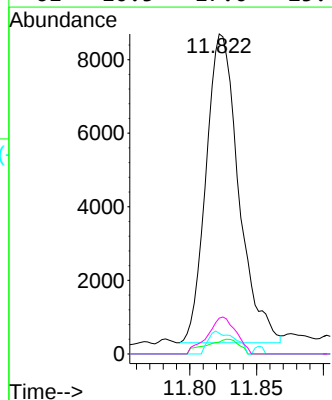
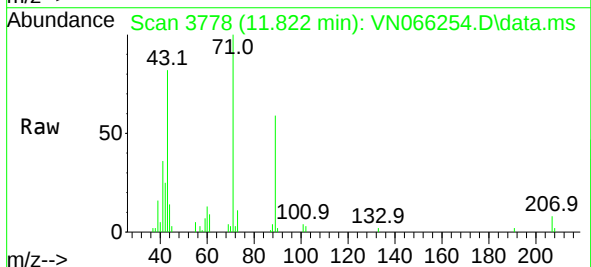
Instrument :
MSVOA_N
ClientSampleId :

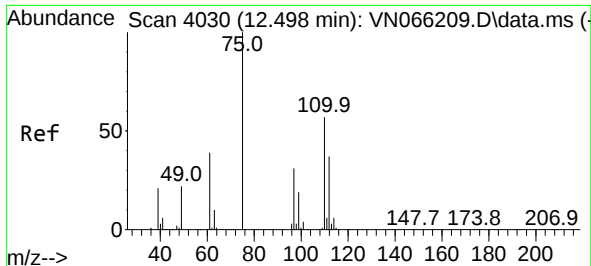
Tgt Ion:152 Resp: 161213
Ion Ratio Lower Upper
152 100
115 52.5 29.4 88.3
150 149.8 0.0 352.2



#74
N-ethyl acetate
Concen: 4.33 ug/l
RT: 11.822 min Scan# 3778
Delta R.T. -0.193 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion: 43 Resp: 14234
Ion Ratio Lower Upper
43 100
70 4.9 26.2 39.4#
55 5.9 17.2 25.8#
61 10.5 17.0 25.4#

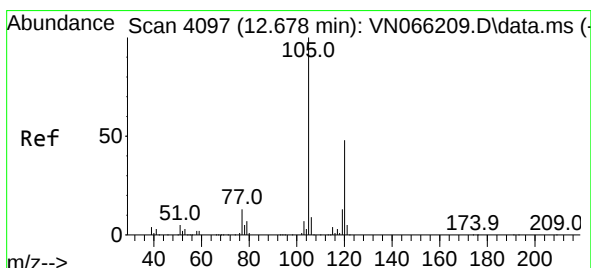
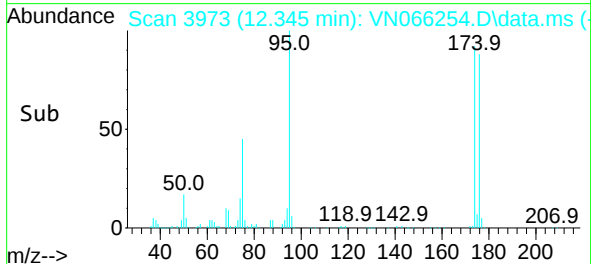
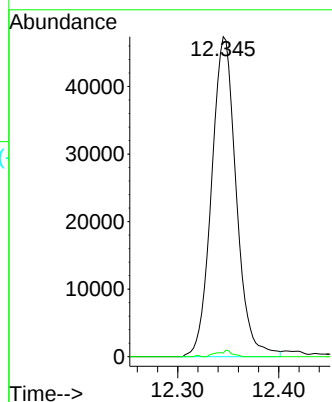
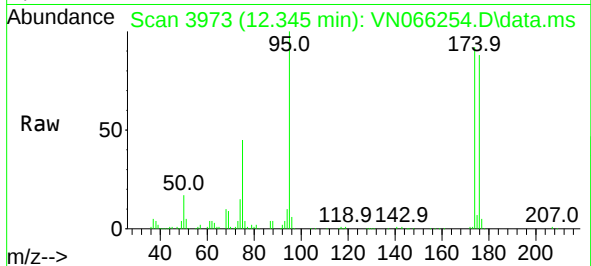




#76
1,2,3-Trichloropropane
Concen: 19.30 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

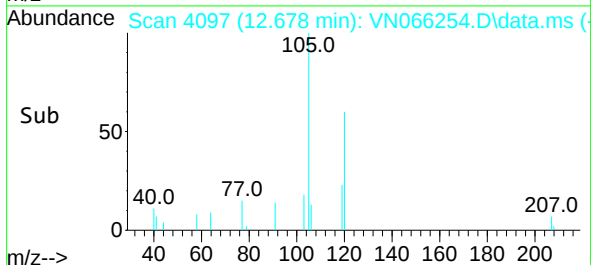
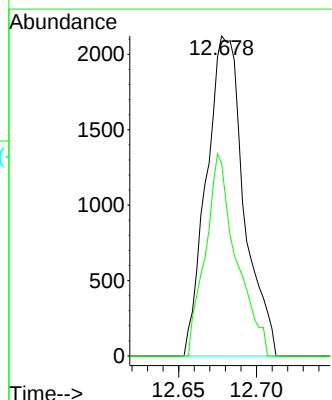
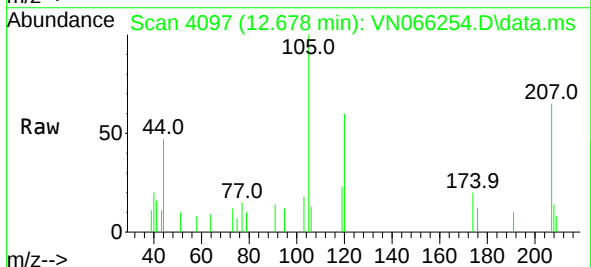
Instrument :
MSVOA_N
ClientSampleId :

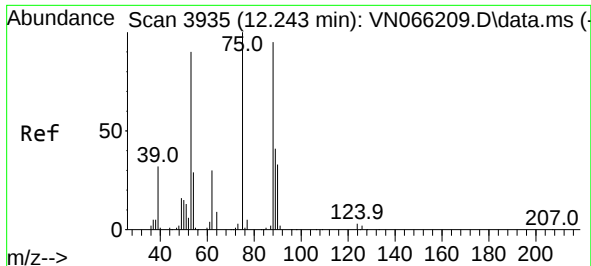
Tgt Ion: 75 Resp: 80342
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.38 ug/l
RT: 12.678 min Scan# 4097
Delta R.T. -0.000 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion:105 Resp: 3541
Ion Ratio Lower Upper
105 100
120 52.0 23.9 71.8

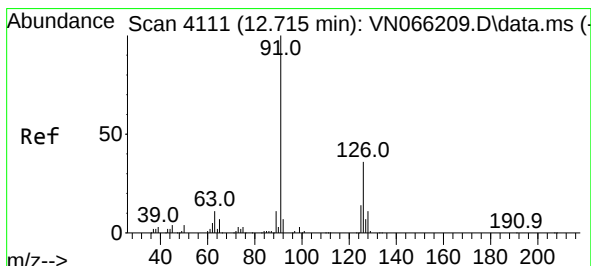
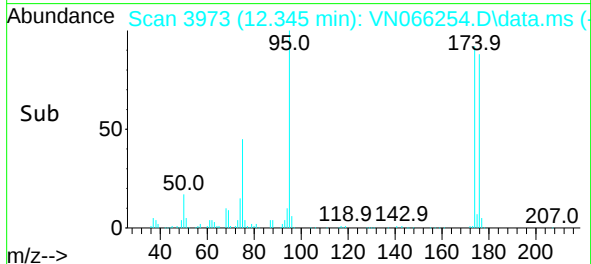
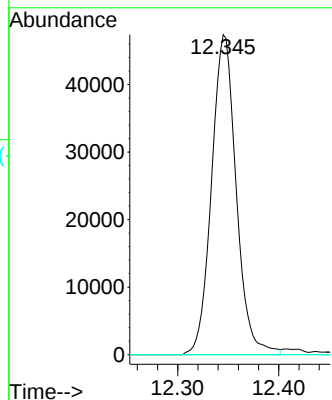
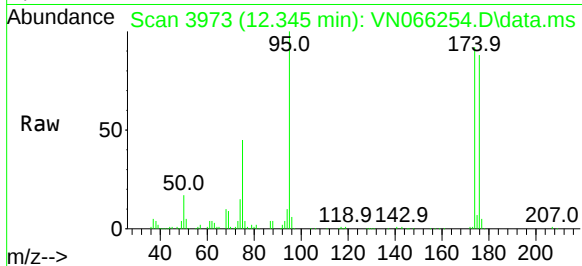




#81
trans-1,4-Dichloro-2-butene
Concen: 57.75 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

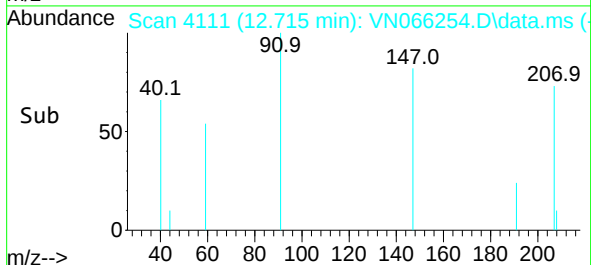
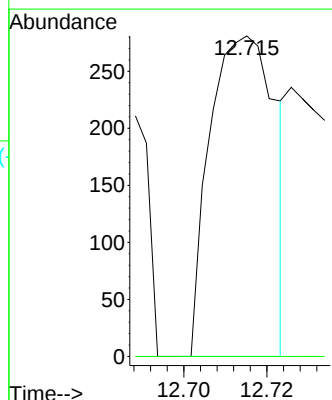
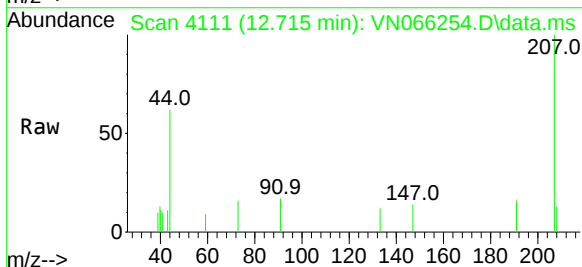
Instrument :
MSVOA_N
ClientSampleId :

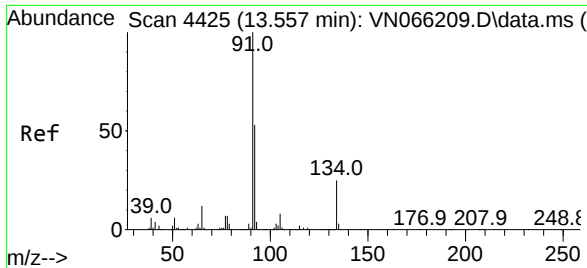
Tgt Ion: 75 Resp: 80342
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.6#
89 0.0 33.7 50.5#



#82
4-Chlorotoluene
Concen: 0.50 ug/l
RT: 12.715 min Scan# 4111
Delta R.T. 0.000 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion: 91 Resp: 307
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#

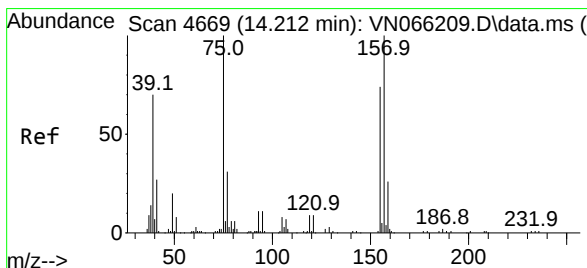
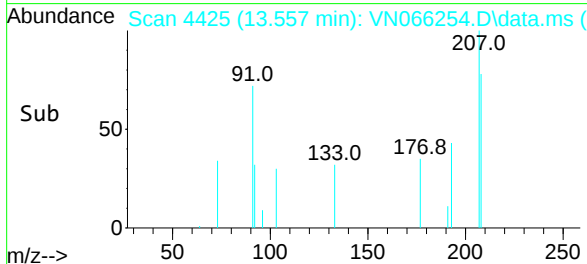
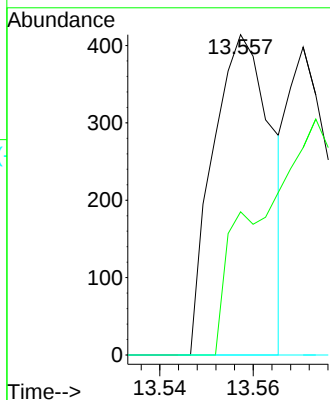
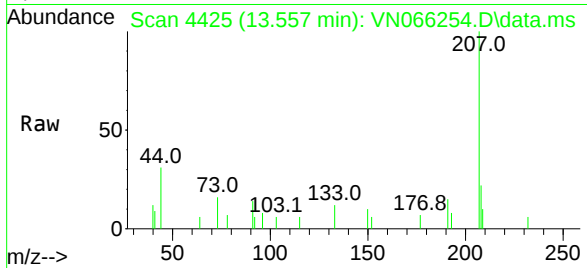




#89
n-Butylbenzene
Concen: 2.28 ug/l
RT: 13.557 min Scan# 4425
Delta R.T. 0.000 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

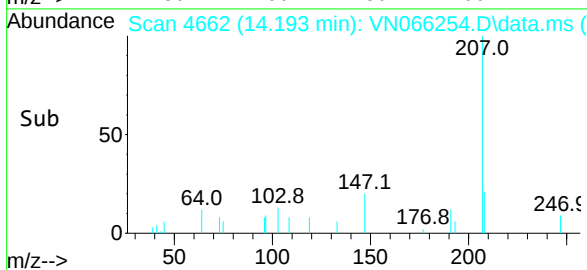
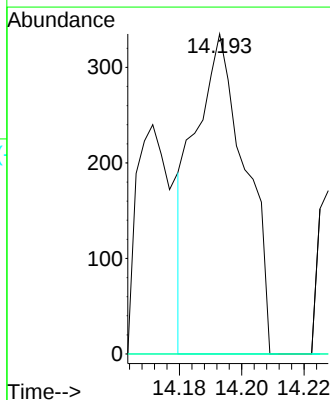
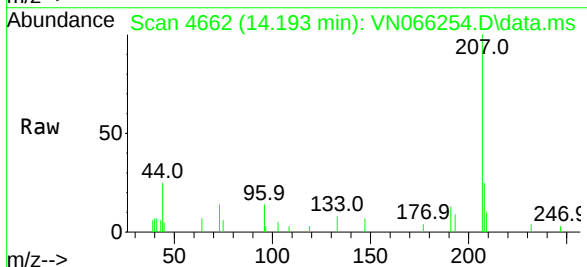
Instrument :
MSVOA_N
ClientSampled :

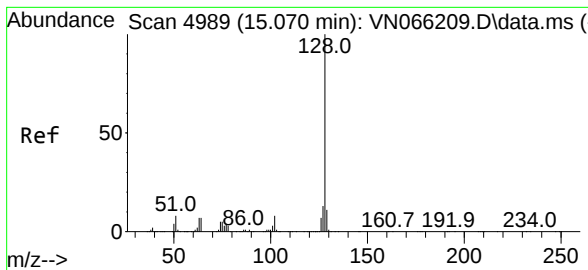
Tgt Ion: 91 Resp: 360
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.26 ug/l
RT: 14.193 min Scan# 4662
Delta R.T. -0.019 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Tgt Ion: 75 Resp: 381
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#





#95
Naphthalene
Concen: 0.20 ug/l
RT: 15.073 min Scan# 4990
Delta R.T. 0.003 min
Lab File: VN066254.D
Acq: 18 Mar 2021 14:44

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	128	Resp:	1899
Ion	Ratio	Lower	Upper
128	100		
127	4.6	10.3	15.5#
129	7.2	8.4	12.6#

