

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066257.D
 Acq On : 18 Mar 2021 15:50
 Operator : JC/MD
 Sample : PB135215ZHE#04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:27:01 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)

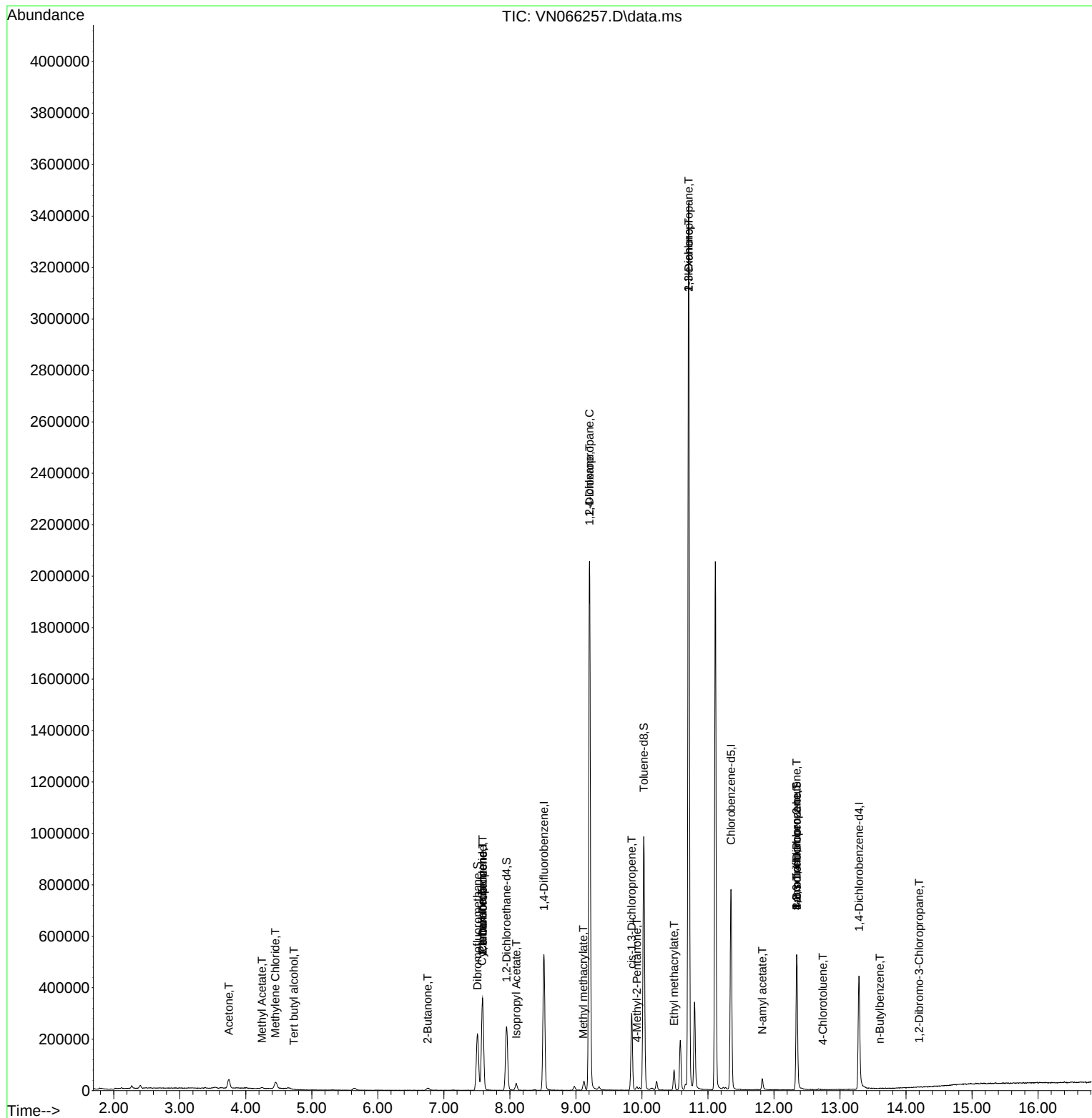
Internal Standards						
1) Pentafluorobenzene	7.587	168	311204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.518	114	473145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	447153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	130298	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	210660	46.98	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.96%		
35) Dibromofluoromethane	7.509	113	167983	55.65	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	111.30%		
50) Toluene-d8	10.028	98	660971	56.63	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	113.26%#		
62) 4-Bromofluorobenzene	12.345	95	180965	43.02	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.04%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.728	59	583	0.76	ug/l #	73
13) Acrolein	3.537	56	3106	Below Cal	#	45
16) Acetone	3.744	43	55598	25.81	ug/l	100
18) Methyl Acetate	4.245	43	7325	1.22	ug/l #	82
20) Methylene Chloride	4.447	84	7191	2.13	ug/l	92
25) 2-Butanone	6.753	43	7884	2.36	ug/l #	79
31) Cyclohexane	7.579	56	4890	0.73	ug/l #	1
36) 1,1-Dichloropropene	7.590	75	19951	4.16	ug/l #	47
38) Carbon Tetrachloride	7.587	117	26134	6.08	ug/l #	17
43) Isopropyl Acetate	8.097	43	30083	2.84	ug/l #	91
45) 1,2-Dichloropropane	9.204	63	2558	0.61	ug/l #	44
48) Methyl methacrylate	9.113	41	9113	1.82	ug/l #	21
49) 1,4-Dioxane	9.207	88	159	2.92	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	8480	1.33	ug/l	92
54) cis-1,3-Dichloropropene	9.845	75	48682	7.84	ug/l #	58
56) Ethyl methacrylate	10.489	69	650	2.26	ug/l #	1
57) 1,3-Dichloropropane	10.709	76	33087	5.37	ug/l #	43
59) 2-Hexanone	10.709	43	503095	101.34	ug/l #	56
71) Bromoform	12.345	173	724	0.27	ug/l #	29
74) N-amyl acetate	11.825	43	15033	5.00	ug/l #	60
76) 1,2,3-Trichloropropane	12.345	75	89457	26.59	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	89457	79.56	ug/l #	11
82) 4-Chlorotoluene	12.739	91	51	0.48	ug/l #	43
89) n-Butylbenzene	13.606	91	25	2.24	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.201	75	404	1.39	ug/l #	8

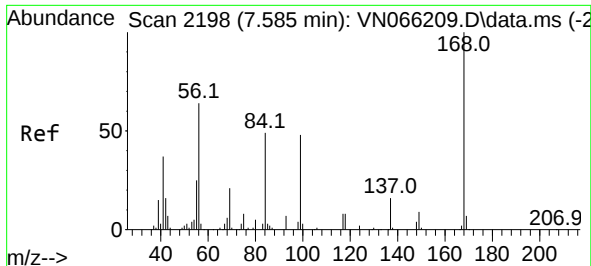
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN066257.D
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Instrument :
MSVOA_N
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Quant Time: Mar 19 04:27:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

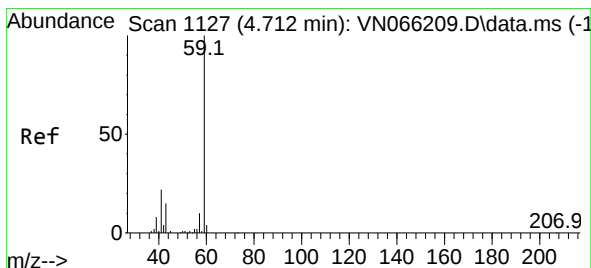
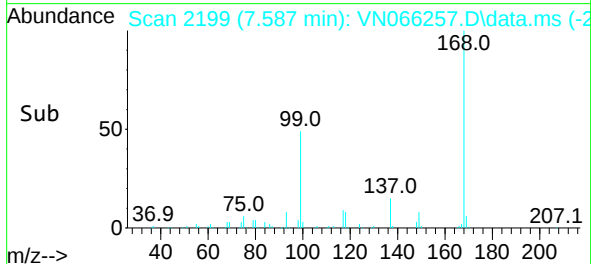
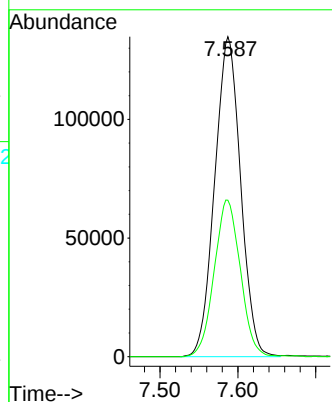
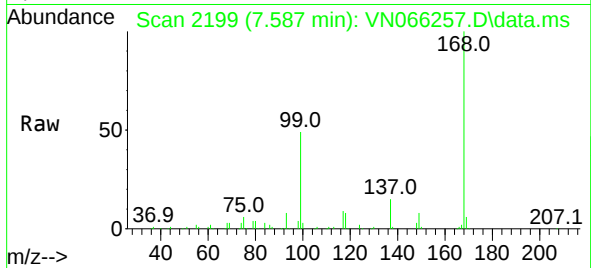




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.002 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

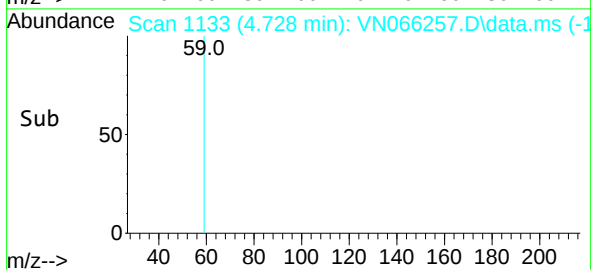
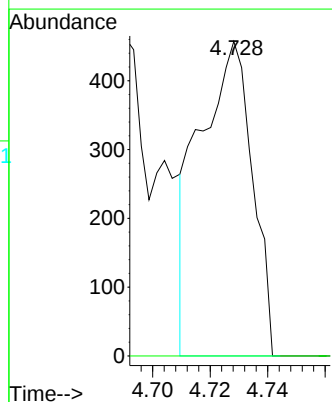
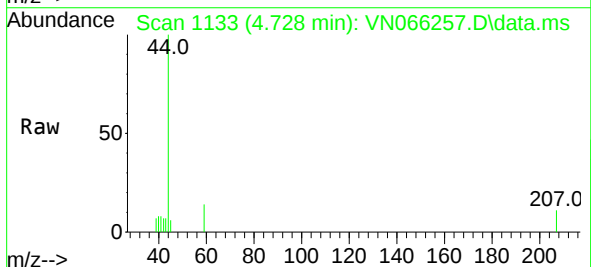
Instrument :
MSVOA_N
ClientSampled :

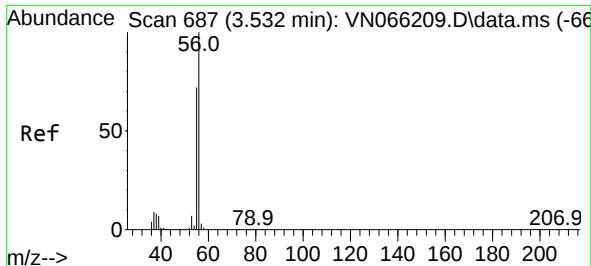
Tgt Ion:168 Resp: 311204
Ion Ratio Lower Upper
168 100
99 48.9 45.4 68.0



#11
Tert butyl alcohol
Concen: 0.76 ug/l
RT: 4.728 min Scan# 1133
Delta R.T. 0.016 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

Tgt Ion: 59 Resp: 583
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

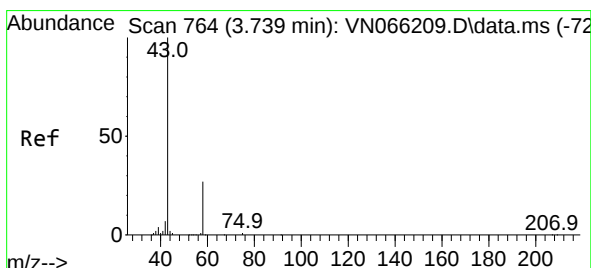
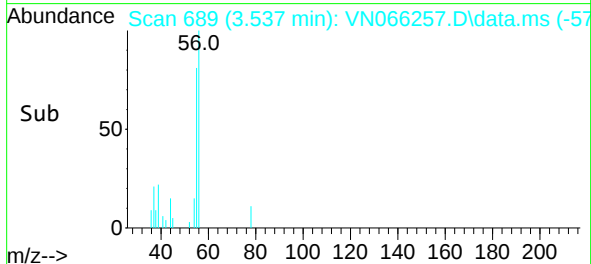
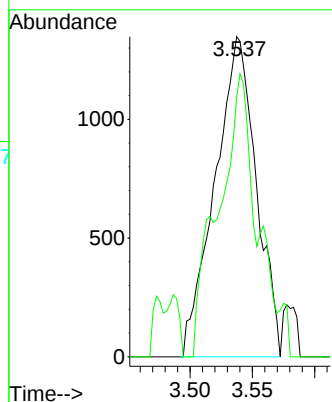
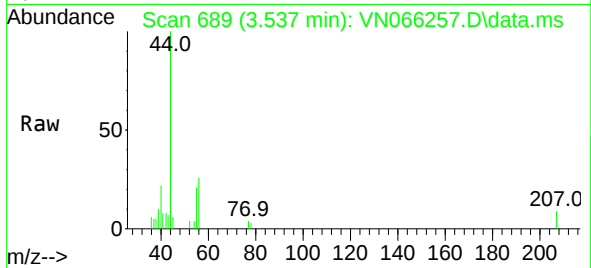




#13
Acrolein
Concen: Below Cal
RT: 3.537 min Scan# 689
Delta R.T. 0.005 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

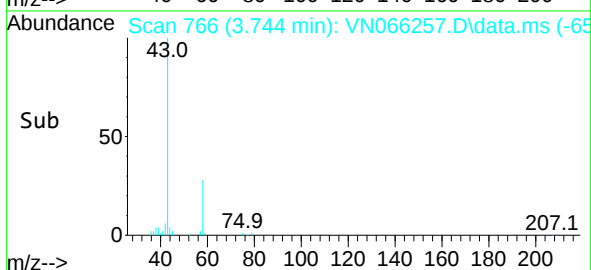
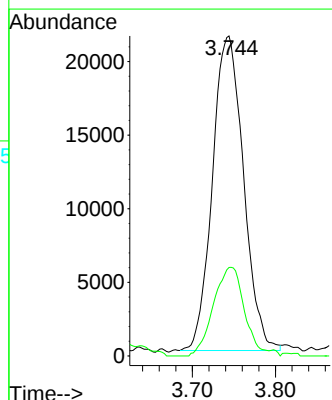
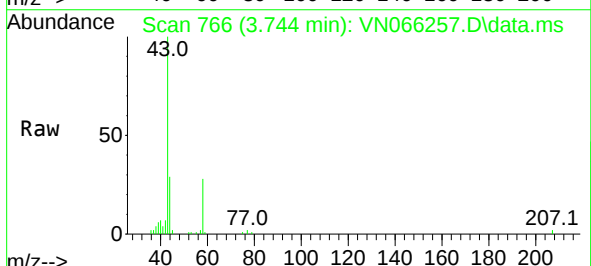
Instrument :
MSVOA_N
ClientSampled :

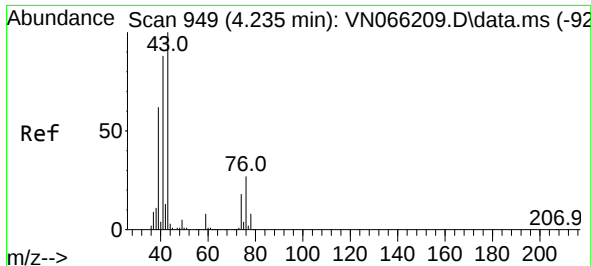
Tgt Ion: 56 Resp: 3106
Ion Ratio Lower Upper
56 100
55 26.3 58.0 87.0#



#16
Acetone
Concen: 25.81 ug/l
RT: 3.744 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

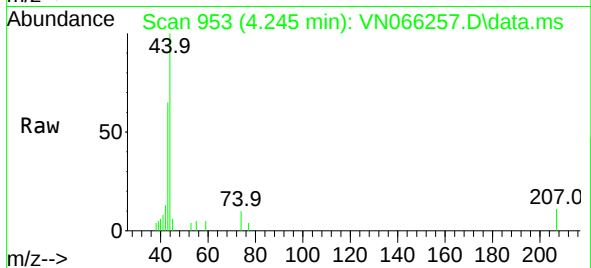
Tgt Ion: 43 Resp: 55598
Ion Ratio Lower Upper
43 100
58 28.1 22.3 33.5



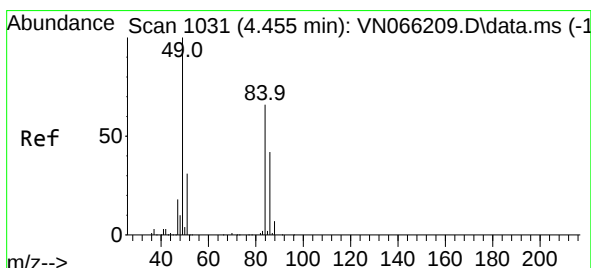
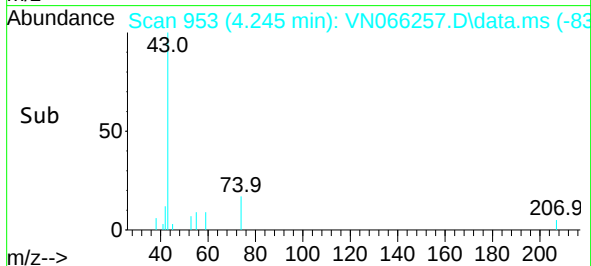
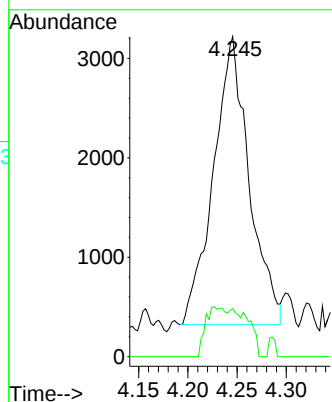


#18
Methyl Acetate
Concen: 1.22 ug/l
RT: 4.245 min Scan# 953
Delta R.T. 0.010 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

Instrument :
MSVOA_N
ClientSampled :

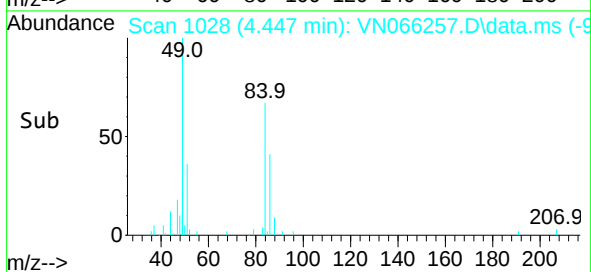
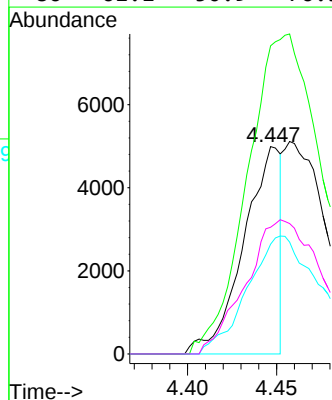
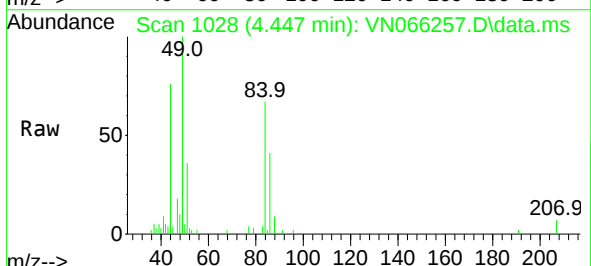


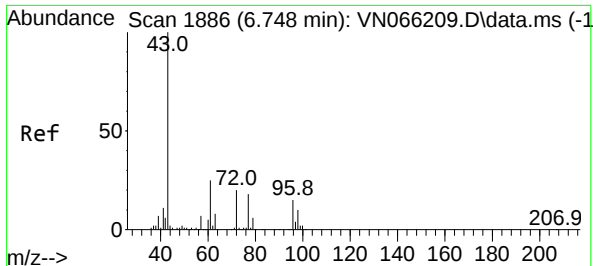
Tgt Ion: 43 Resp: 7325
Ion Ratio Lower Upper
43 100
74 10.0 14.2 21.2#



#20
Methylene Chloride
Concen: 2.13 ug/l
RT: 4.447 min Scan# 1028
Delta R.T. -0.008 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

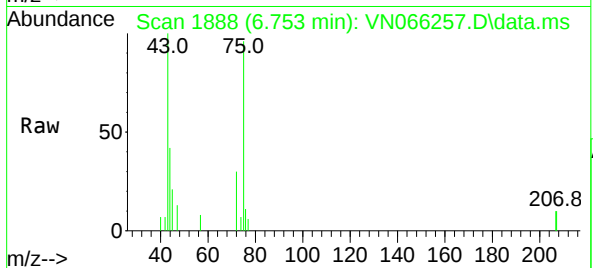
Tgt Ion: 84 Resp: 7191
Ion Ratio Lower Upper
84 100
49 148.6 130.0 195.0
51 53.0 39.1 58.7
86 61.1 50.9 76.3



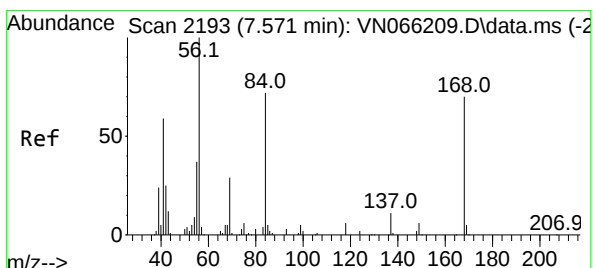
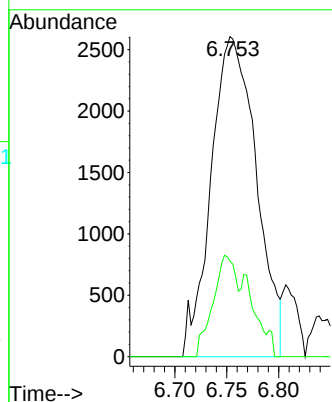
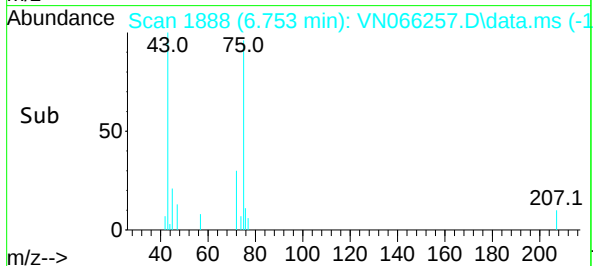


#25
2-Butanone
Concen: 2.36 ug/l
RT: 6.753 min Scan# 1888
Delta R.T. 0.005 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

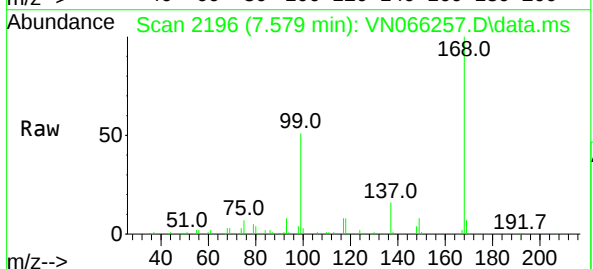
Instrument :
MSVOA_N
ClientSampled :



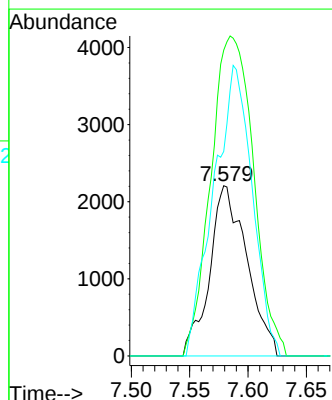
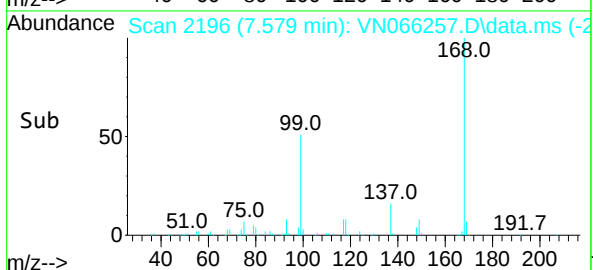
Tgt Ion: 43 Resp: 7884
Ion Ratio Lower Upper
43 100
72 29.9 16.2 24.2#

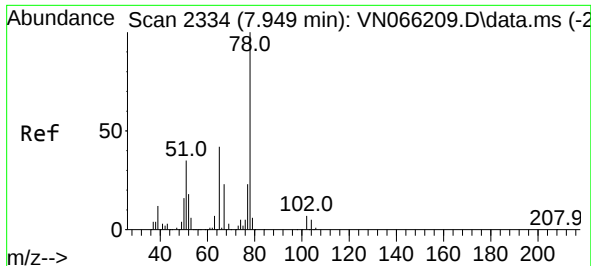


#31
Cyclohexane
Concen: 0.73 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.008 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50



Tgt Ion: 56 Resp: 4890
Ion Ratio Lower Upper
56 100
69 179.7 23.4 35.0#
84 120.2 57.8 86.6#

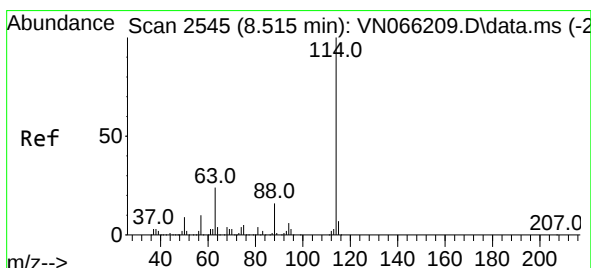
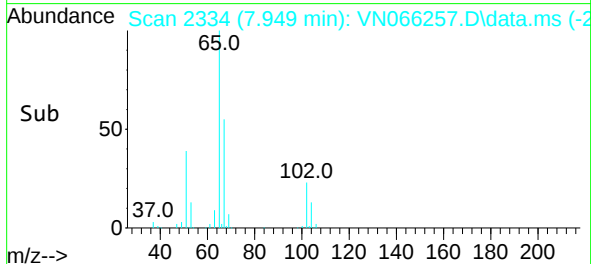
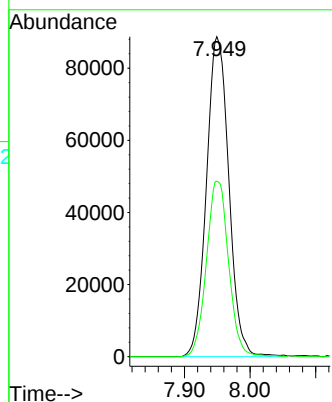
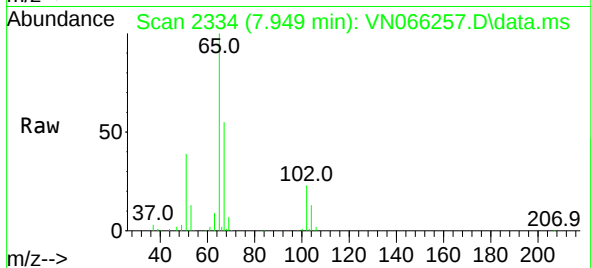




#33
1,2-Dichloroethane-d4
Concen: 46.98 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

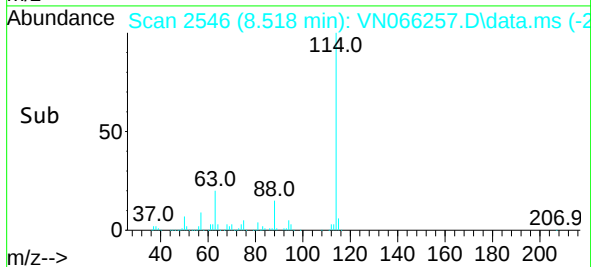
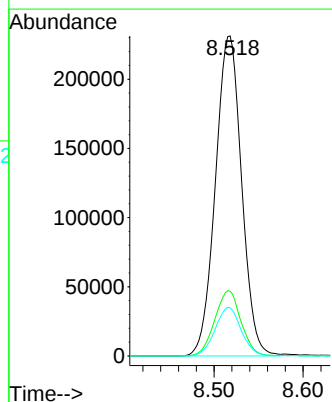
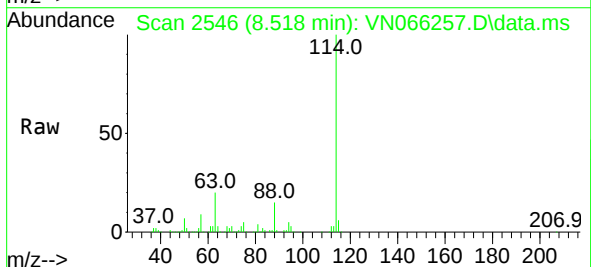
Instrument :
MSVOA_N
ClientSampled :

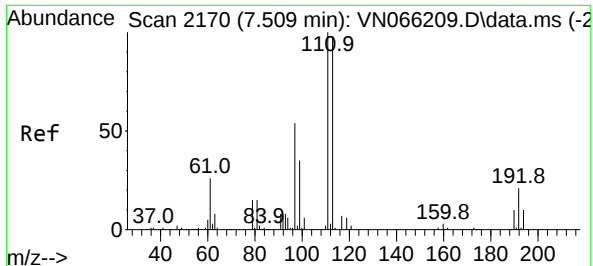
Tgt Ion: 65 Resp: 210660
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.518 min Scan# 2546
Delta R.T. 0.003 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

Tgt Ion: 114 Resp: 473145
Ion Ratio Lower Upper
114 100
63 20.3 0.0 49.2
88 15.1 0.0 33.8

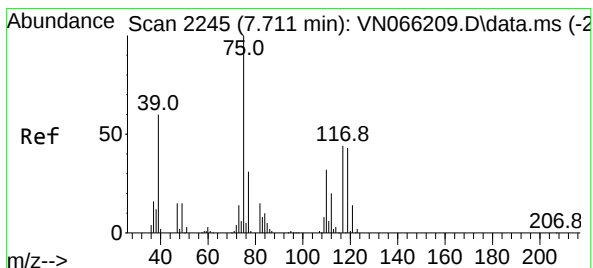
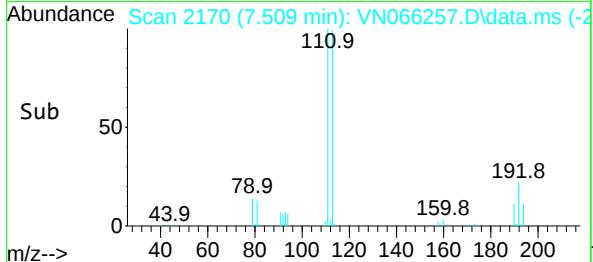
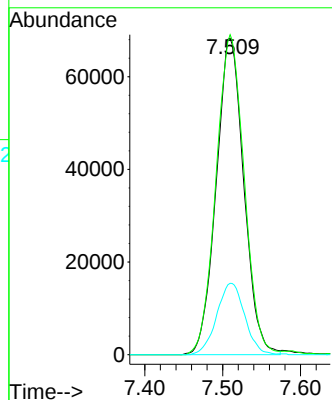
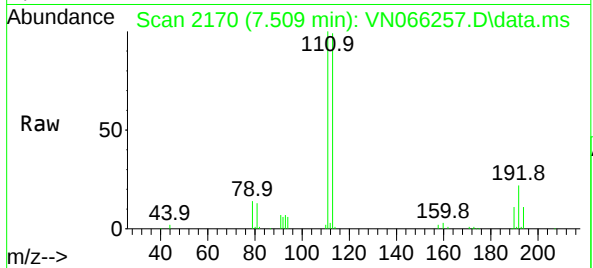




#35
Dibromofluoromethane
Concen: 55.65 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

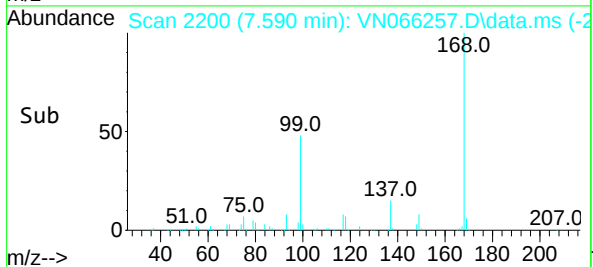
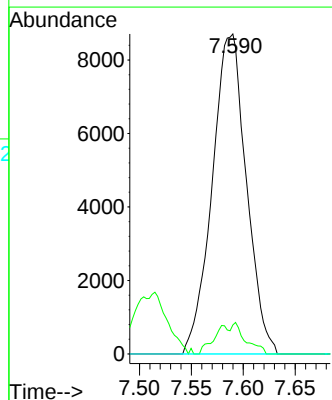
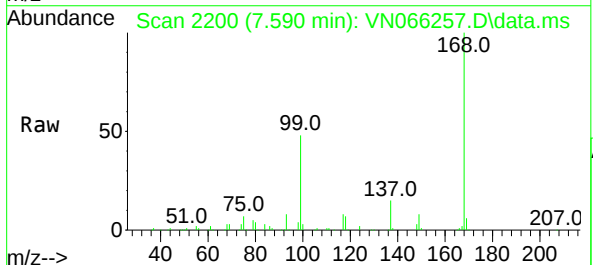
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MSVOA_N
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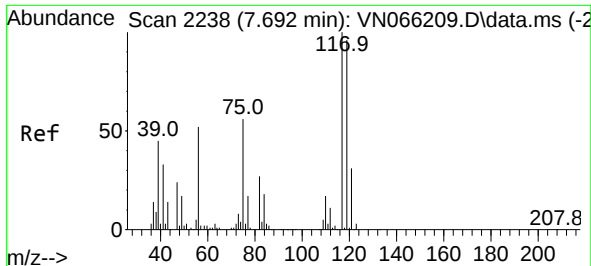
Tgt Ion:	113	Resp:	167983
Ion	Ratio	Lower	Upper
113	100		
111	103.1	84.0	126.0
192	22.9	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.16 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. -0.121 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

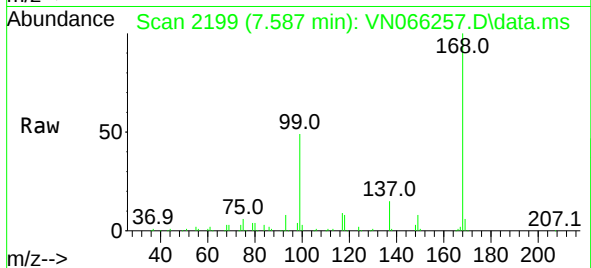
Tgt Ion:	75	Resp:	19951
Ion	Ratio	Lower	Upper
75	100		
110	4.0	16.0	48.0#
77	0.0	24.9	37.3#



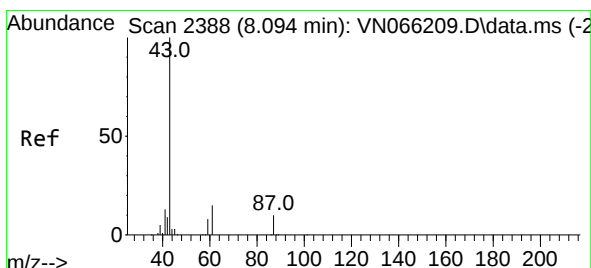
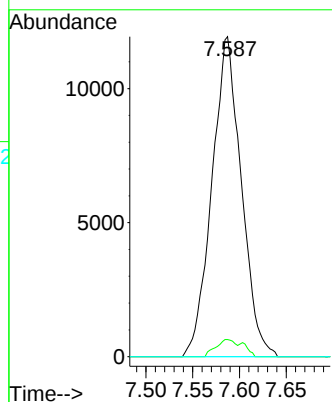
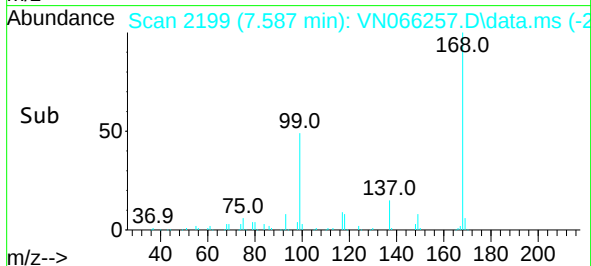


#38
Carbon Tetrachloride
Concen: 6.08 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.105 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

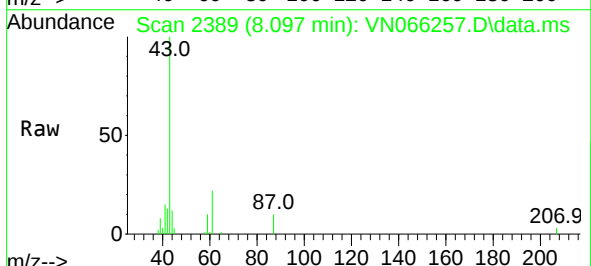
Instrument :
MSVOA_N
ClientSampled :



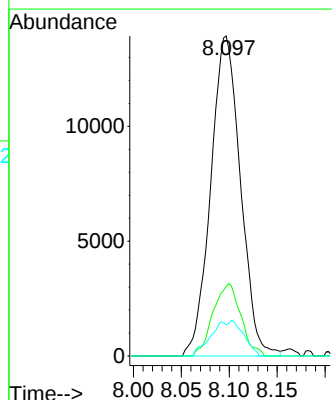
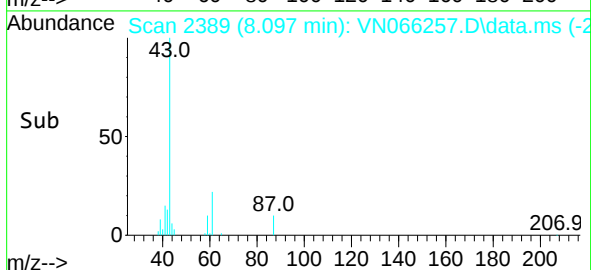
Tgt Ion:117 Resp: 26134
Ion Ratio Lower Upper
117 100
119 5.4 74.6 111.8#
121 0.0 23.9 35.9#

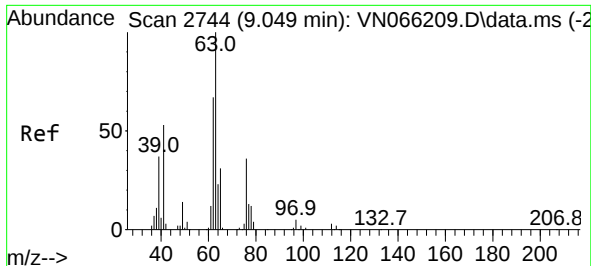


#43
Isopropyl Acetate
Concen: 2.84 ug/l
RT: 8.097 min Scan# 2389
Delta R.T. 0.003 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50



Tgt Ion: 43 Resp: 30083
Ion Ratio Lower Upper
43 100
61 21.1 14.0 21.0#
87 6.1 7.9 11.9#

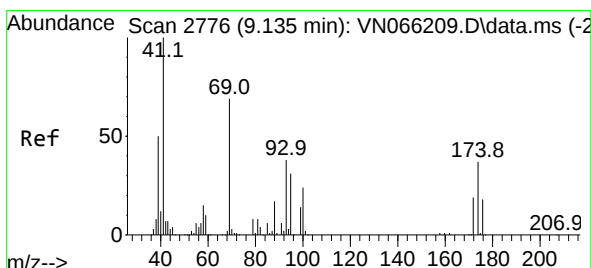
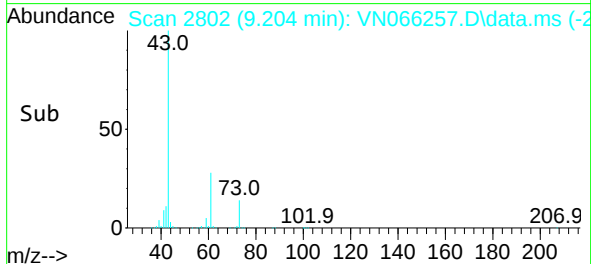
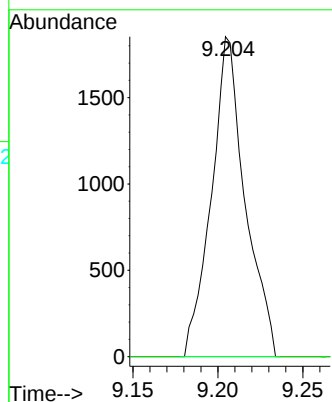
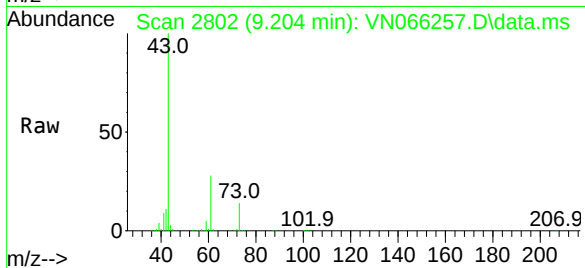




#45
1,2-Dichloropropane
Concen: 0.61 ug/l
RT: 9.204 min Scan# 2802
Delta R.T. 0.155 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

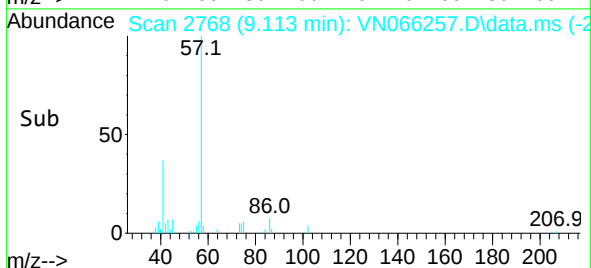
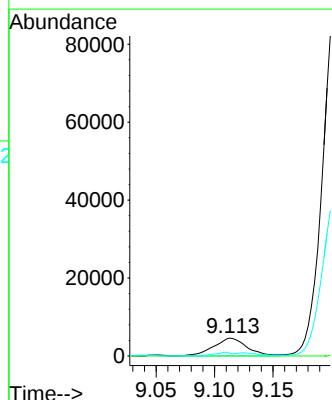
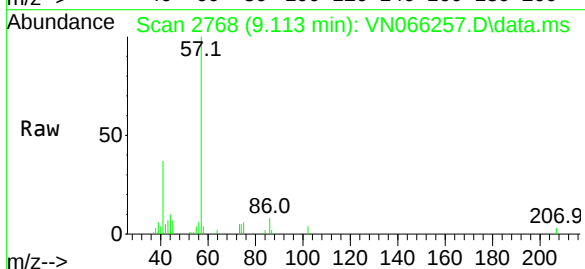
Instrument :
MSVOA_N
ClientSampled :

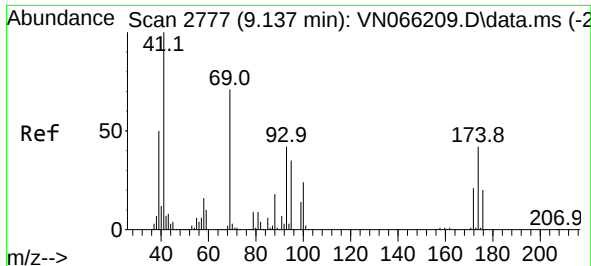
Tgt Ion: 63 Resp: 2558
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.82 ug/l
RT: 9.113 min Scan# 2768
Delta R.T. -0.022 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

Tgt Ion: 41 Resp: 9113
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: 2.92 ug/l

RT: 9.207 min Scan# 2803

Delta R.T. 0.070 min

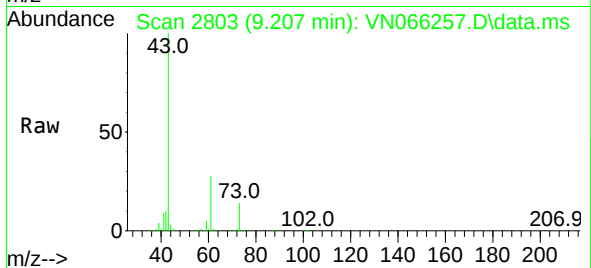
Lab File: VN066257.D

Acq: 18 Mar 2021 15:50

Instrument :

MSVOA_N

ClientSampled :



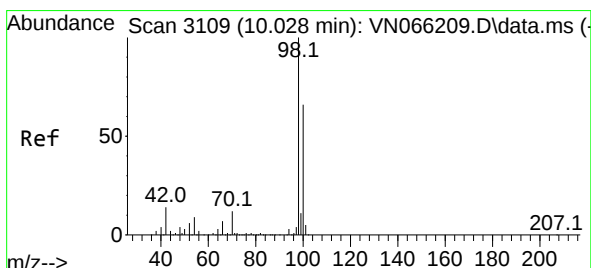
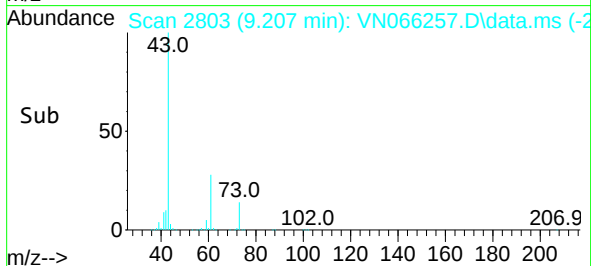
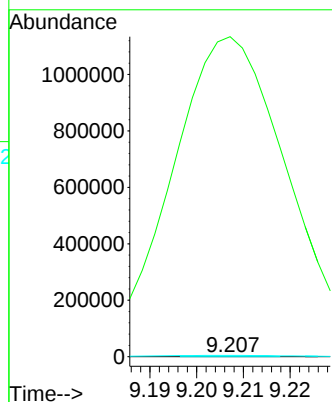
Tgt Ion: 88 Resp: 159

Ion Ratio Lower Upper

88 100

43 1284308.2 34.4 51.6#

58 6111.9 67.3 100.9#



#50

Toluene-d8

Concen: 56.63 ug/l

RT: 10.028 min Scan# 3109

Delta R.T. -0.000 min

Lab File: VN066257.D

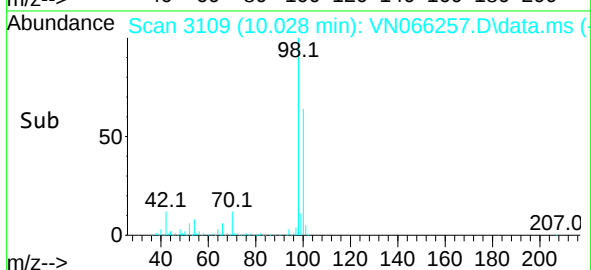
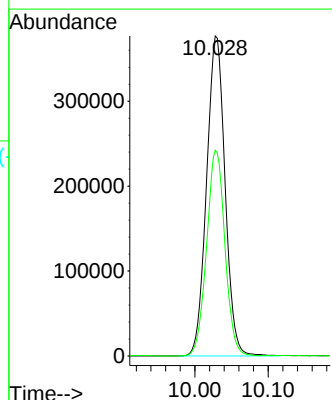
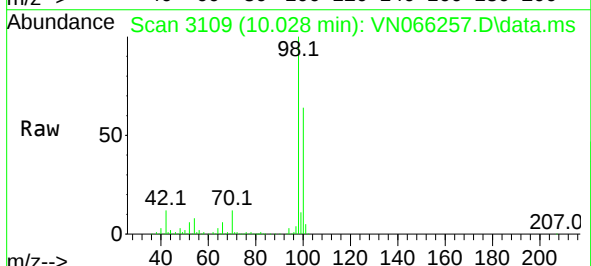
Acq: 18 Mar 2021 15:50

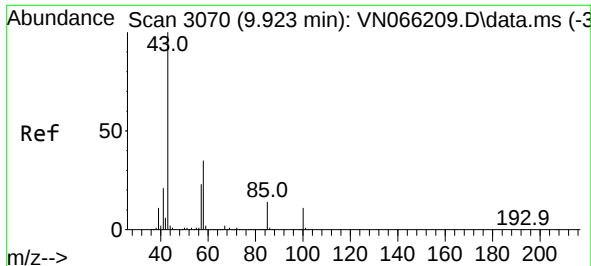
Tgt Ion: 98 Resp: 660971

Ion Ratio Lower Upper

98 100

100 63.7 51.0 76.6

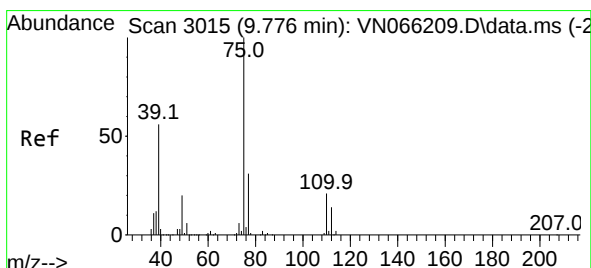
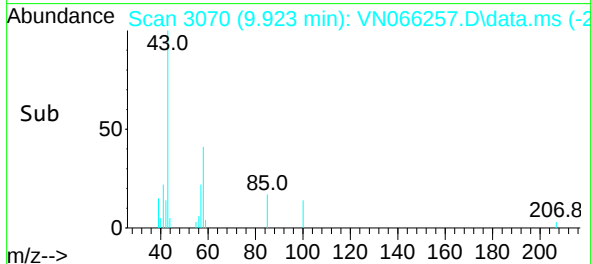
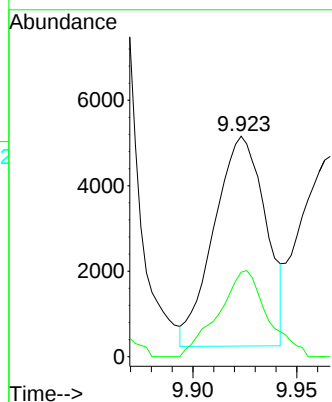
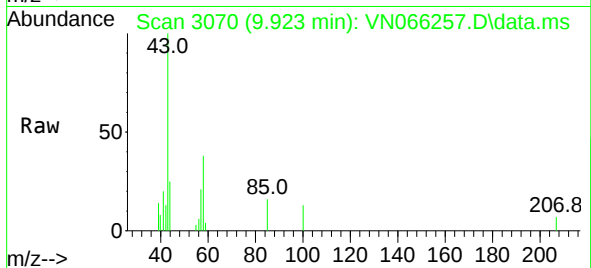




#51
4-Methyl-2-Pentanone
Concen: 1.33 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

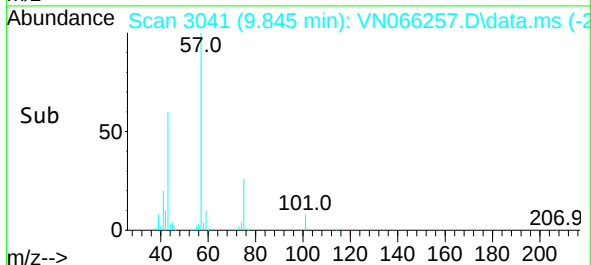
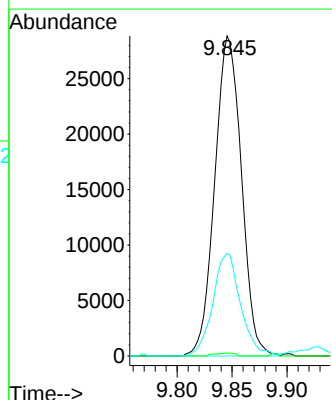
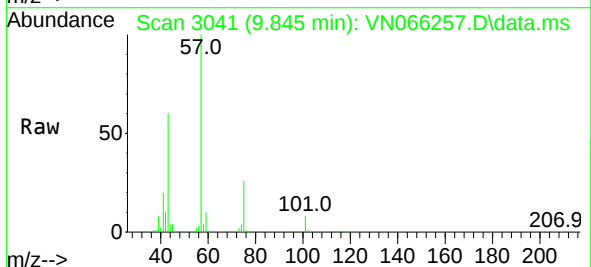
Instrument :
MSVOA_N
ClientSampled :

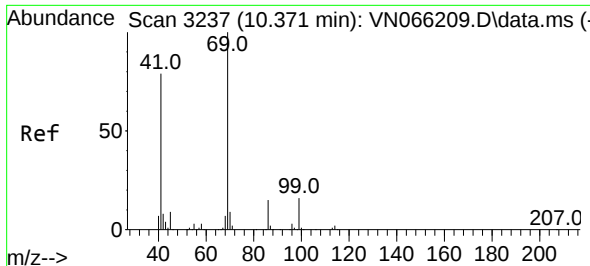
Tgt Ion: 43 Resp: 8480
Ion Ratio Lower Upper
43 100
58 38.9 27.5 41.3



#54
cis-1,3-Dichloropropene
Concen: 7.84 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.069 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

Tgt Ion: 75 Resp: 48682
Ion Ratio Lower Upper
75 100
77 0.9 25.0 37.4#
39 32.1 46.2 69.2#

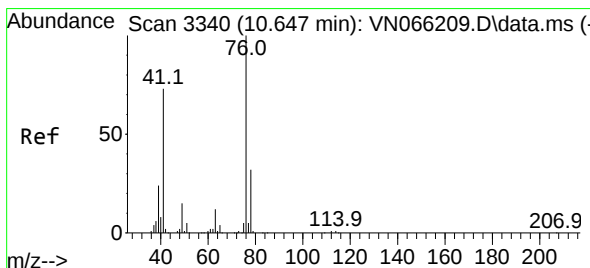
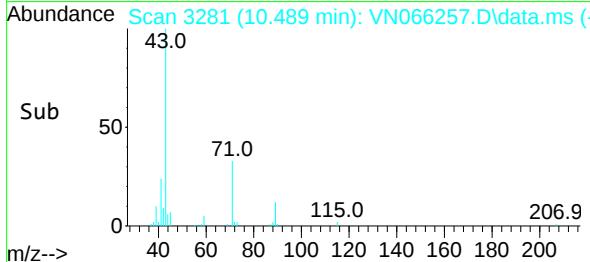
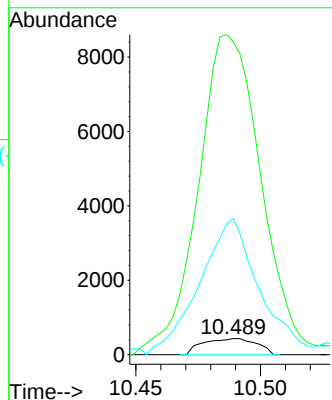
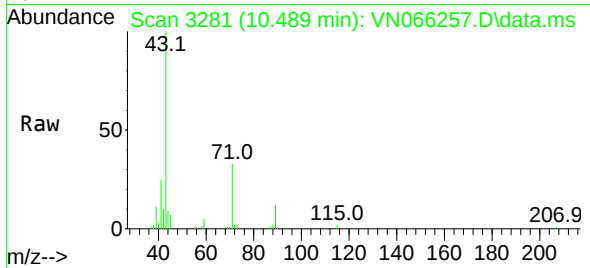




#56
Ethyl methacrylate
Concen: 2.26 ug/l
RT: 10.489 min Scan# 3281
Delta R.T. 0.118 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

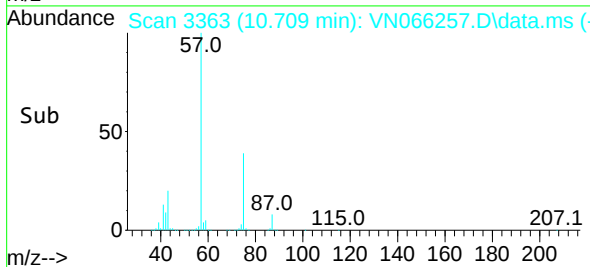
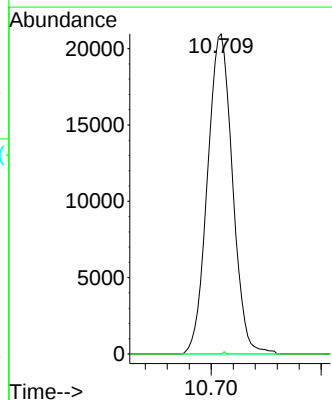
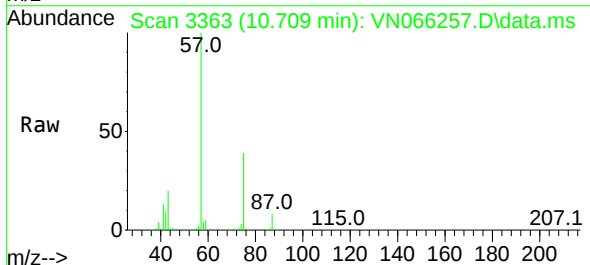
Instrument :
MSVOA_N
ClientSampled :

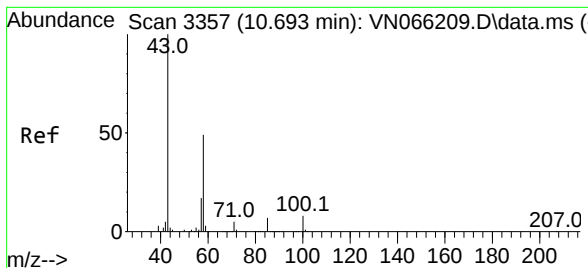
Tgt Ion: 69 Resp: 650
Ion Ratio Lower Upper
69 100
41 2326.9 66.2 99.4#
39 935.4 31.5 47.3#



#57
1,3-Dichloropropane
Concen: 5.37 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.062 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

Tgt Ion: 76 Resp: 33087
Ion Ratio Lower Upper
76 100
78 0.1 25.4 38.2#

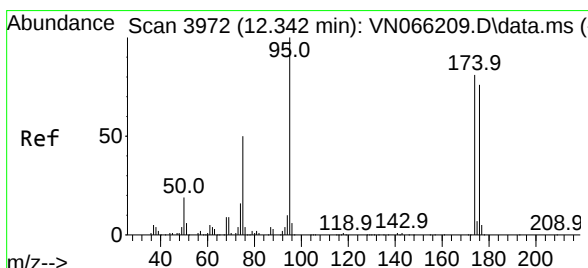
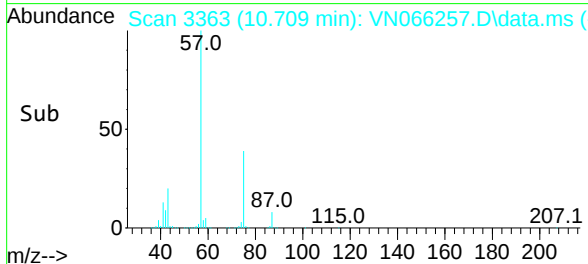
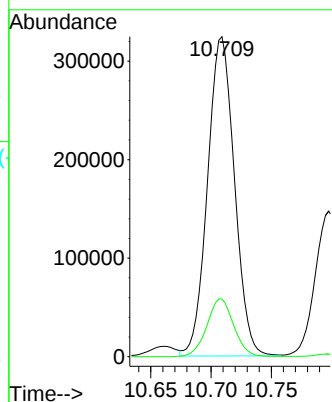
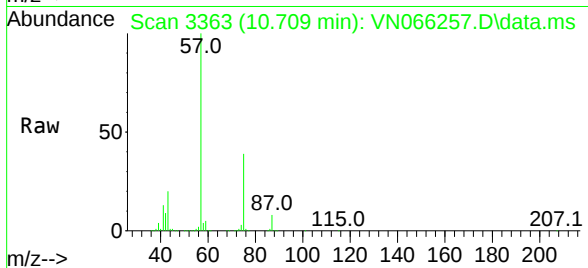




#59
2-Hexanone
Concen: 101.34 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.016 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

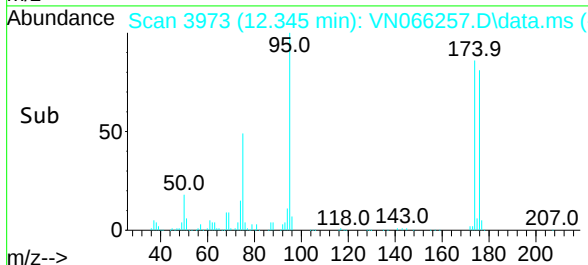
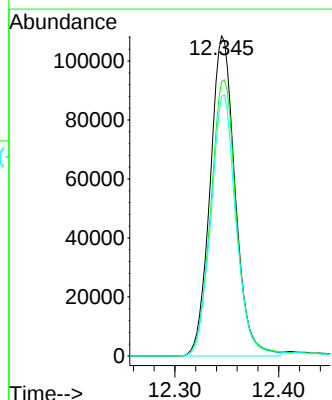
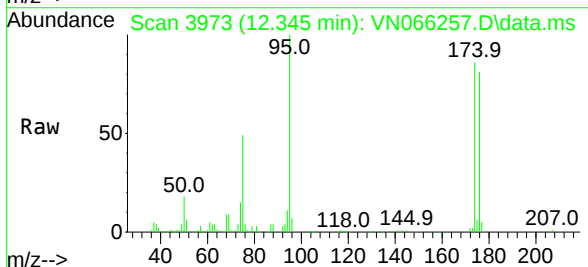
Instrument :
MSVOA_N
ClientSampled :

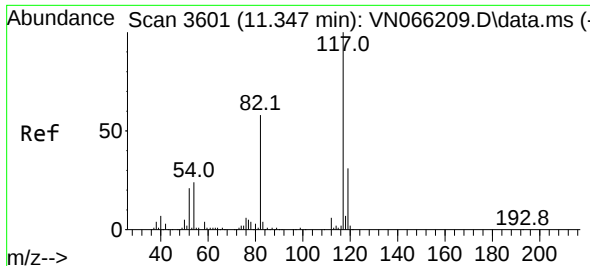
Tgt Ion: 43 Resp: 503095
Ion Ratio Lower Upper
43 100
58 18.2 23.8 71.5#



#62
4-Bromofluorobenzene
Concen: 43.02 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

Tgt Ion: 95 Resp: 180965
Ion Ratio Lower Upper
95 100
174 88.6 0.0 162.4
176 83.1 0.0 156.2

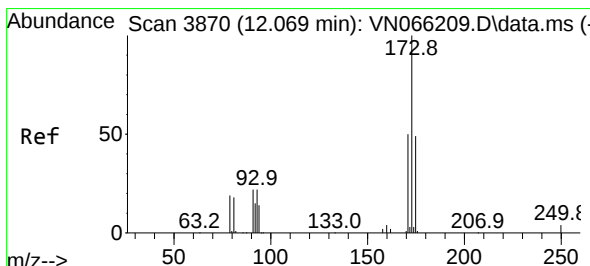
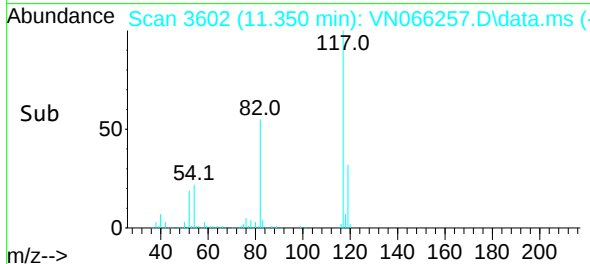
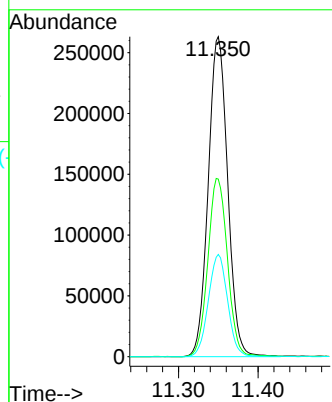
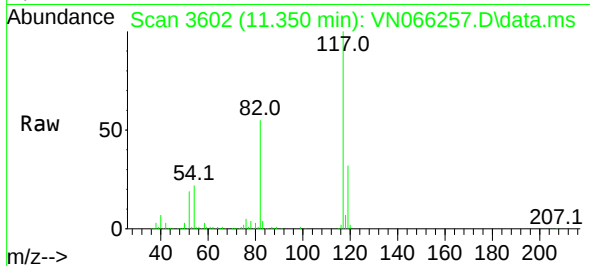




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

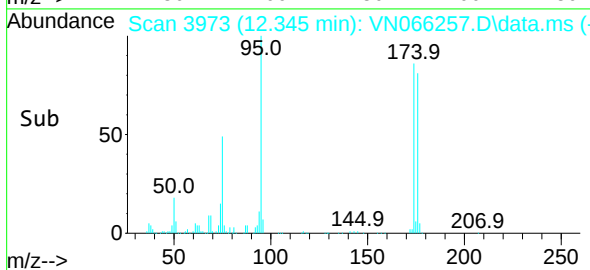
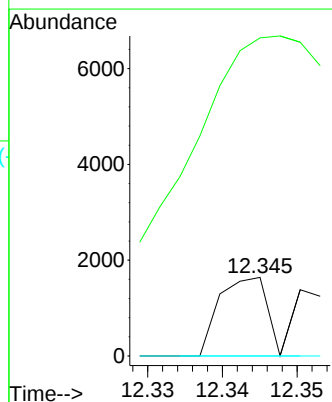
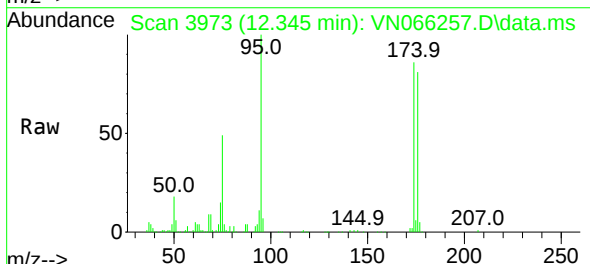
Instrument :
MSVOA_N
ClientSampled :

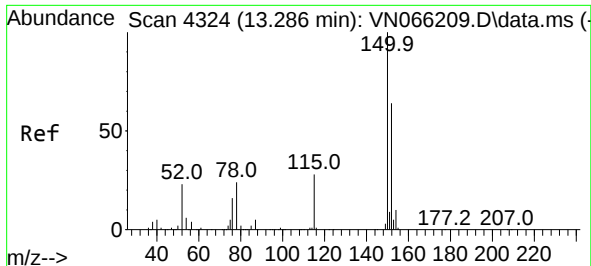
Tgt Ion:117 Resp: 447153
Ion Ratio Lower Upper
117 100
82 55.5 49.0 73.6
119 32.0 25.7 38.5



#71
Bromoform
Concen: 0.27 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.276 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

Tgt Ion:173 Resp: 724
Ion Ratio Lower Upper
173 100
175 0.0 23.9 71.8#
254 0.0 0.0 0.0

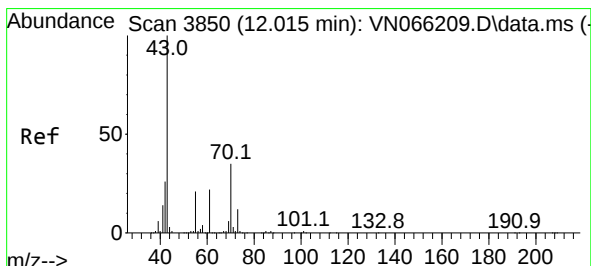
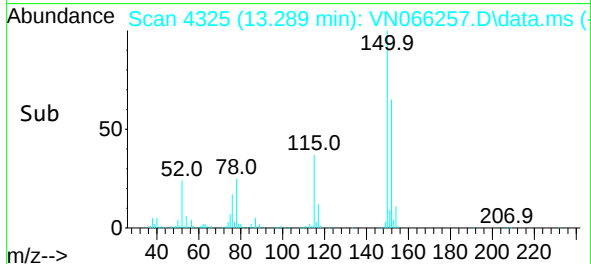
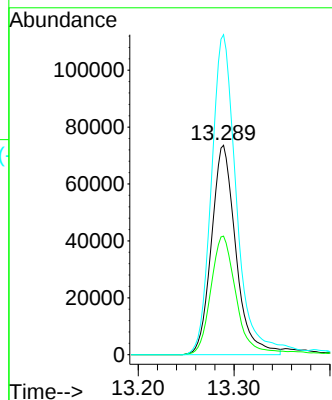
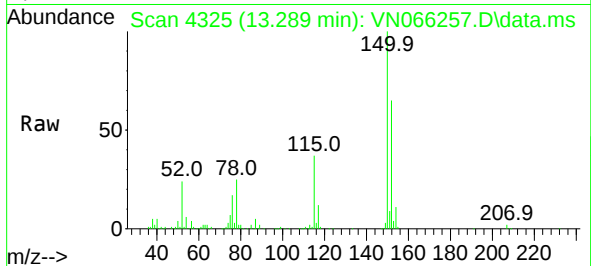




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

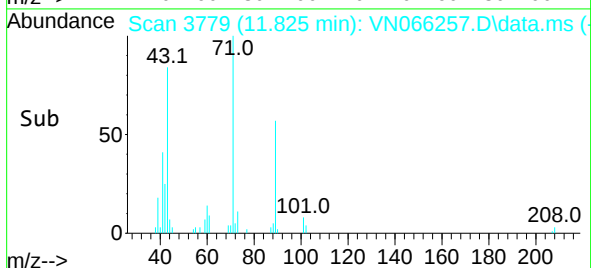
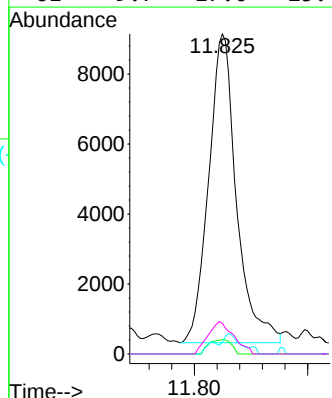
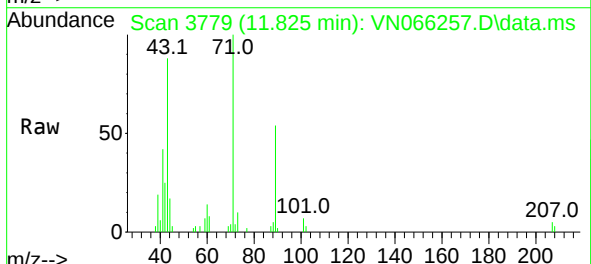
Instrument :
MSVOA_N
ClientSampled :

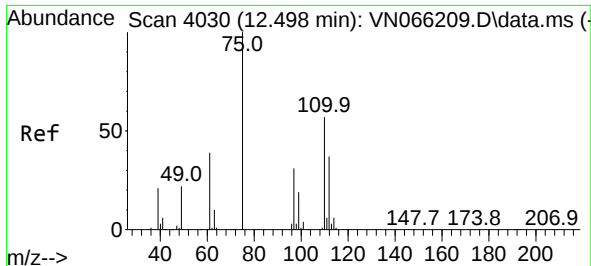
Tgt Ion:152 Resp: 130298
Ion Ratio Lower Upper
152 100
115 58.7 29.4 88.3
150 157.9 0.0 352.2



#74
N-ethyl acetate
Concen: 5.00 ug/l
RT: 11.825 min Scan# 3779
Delta R.T. -0.190 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

Tgt Ion: 43 Resp: 15033
Ion Ratio Lower Upper
43 100
70 3.7 26.2 39.4#
55 4.3 17.2 25.8#
61 9.7 17.0 25.4#

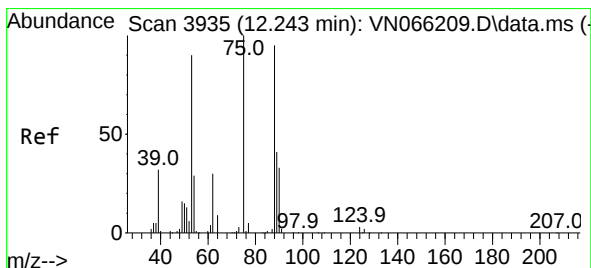
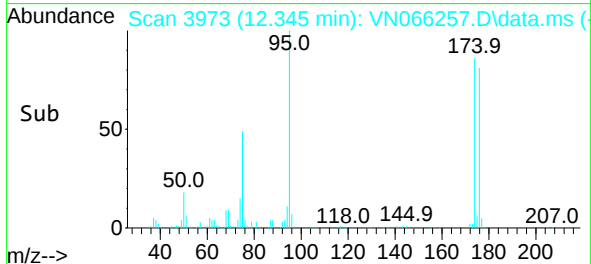
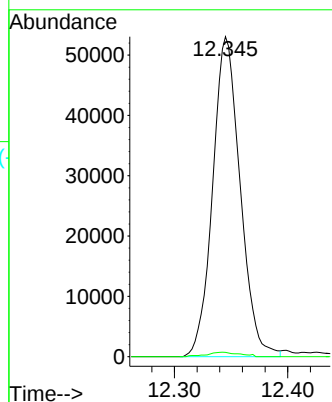
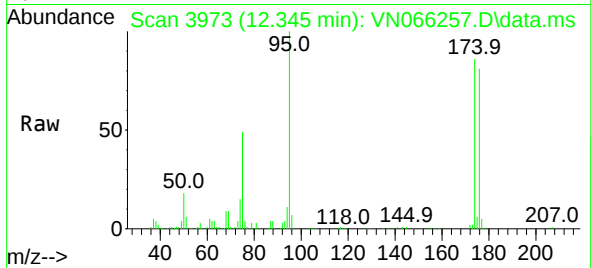




#76
1,2,3-Trichloropropane
Concen: 26.59 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

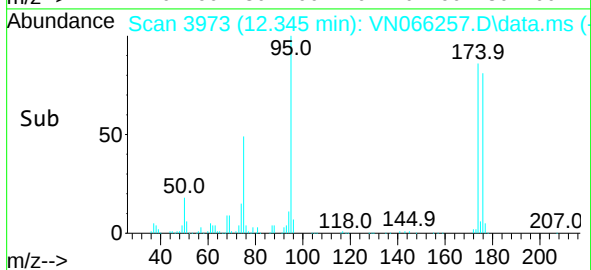
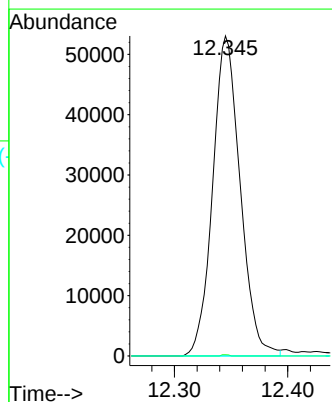
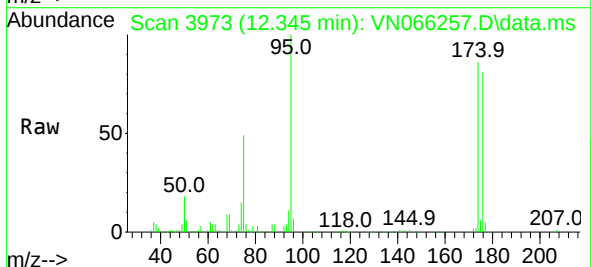
Instrument :
MSVOA_N
ClientSampleId :

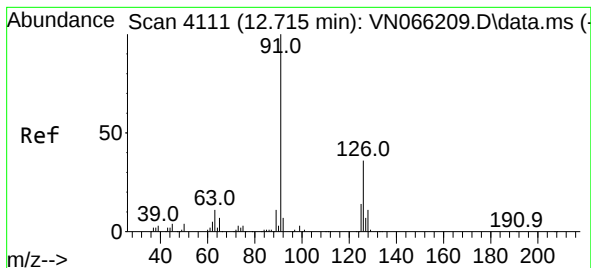
Tgt Ion: 75 Resp: 89457
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.56 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

Tgt Ion: 75 Resp: 89457
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.0 33.7 50.5#

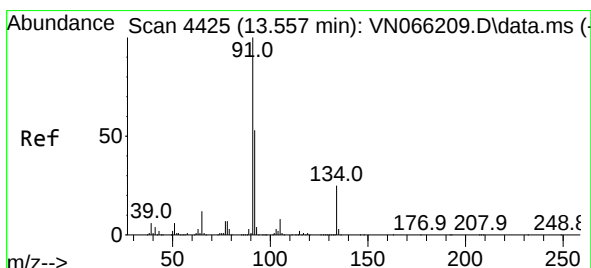
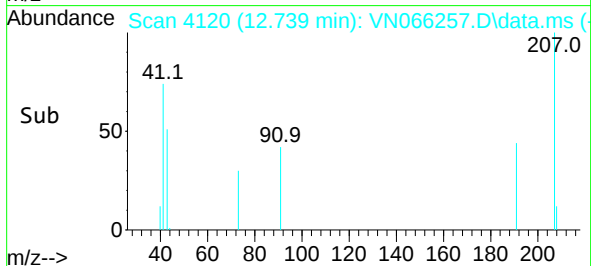
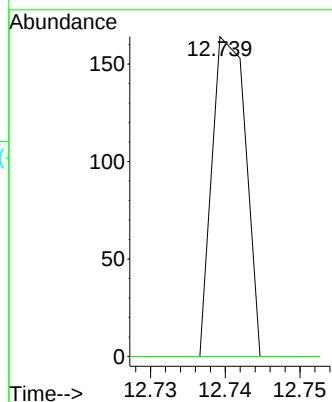
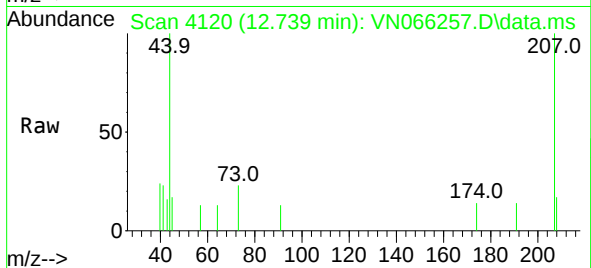




#82
4-Chlorotoluene
Concen: 0.48 ug/l
RT: 12.739 min Scan# 4120
Delta R.T. 0.024 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

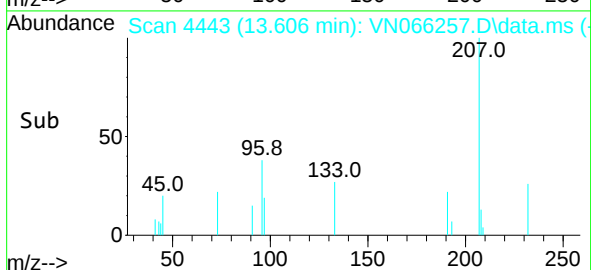
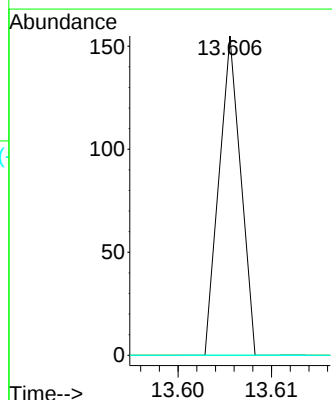
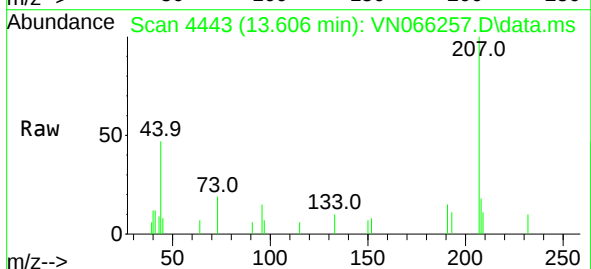
Instrument :
MSVOA_N
ClientSampleId :

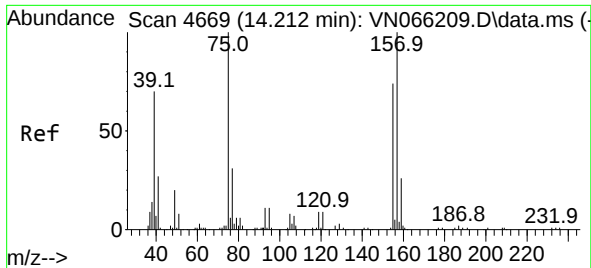
Tgt Ion: 91 Resp: 51
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#



#89
n-Butylbenzene
Concen: 2.24 ug/l
RT: 13.606 min Scan# 4443
Delta R.T. 0.049 min
Lab File: VN066257.D
Acq: 18 Mar 2021 15:50

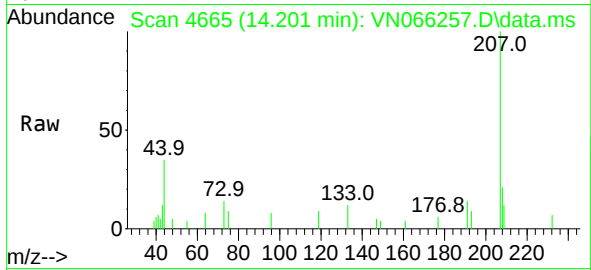
Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.39 ug/l
 RT: 14.201 min Scan# 4665
 Delta R.T. -0.011 min
 Lab File: VN066257.D
 Acq: 18 Mar 2021 15:50

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75	Resp:	404
Ion Ratio	Lower	Upper
75	100	
155	0.0	36.5 109.7#
157	0.0	46.3 138.8#

