

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066258.D
 Acq On : 18 Mar 2021 16:11
 Operator : JC/MD
 Sample : PB135215ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:27:22 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)

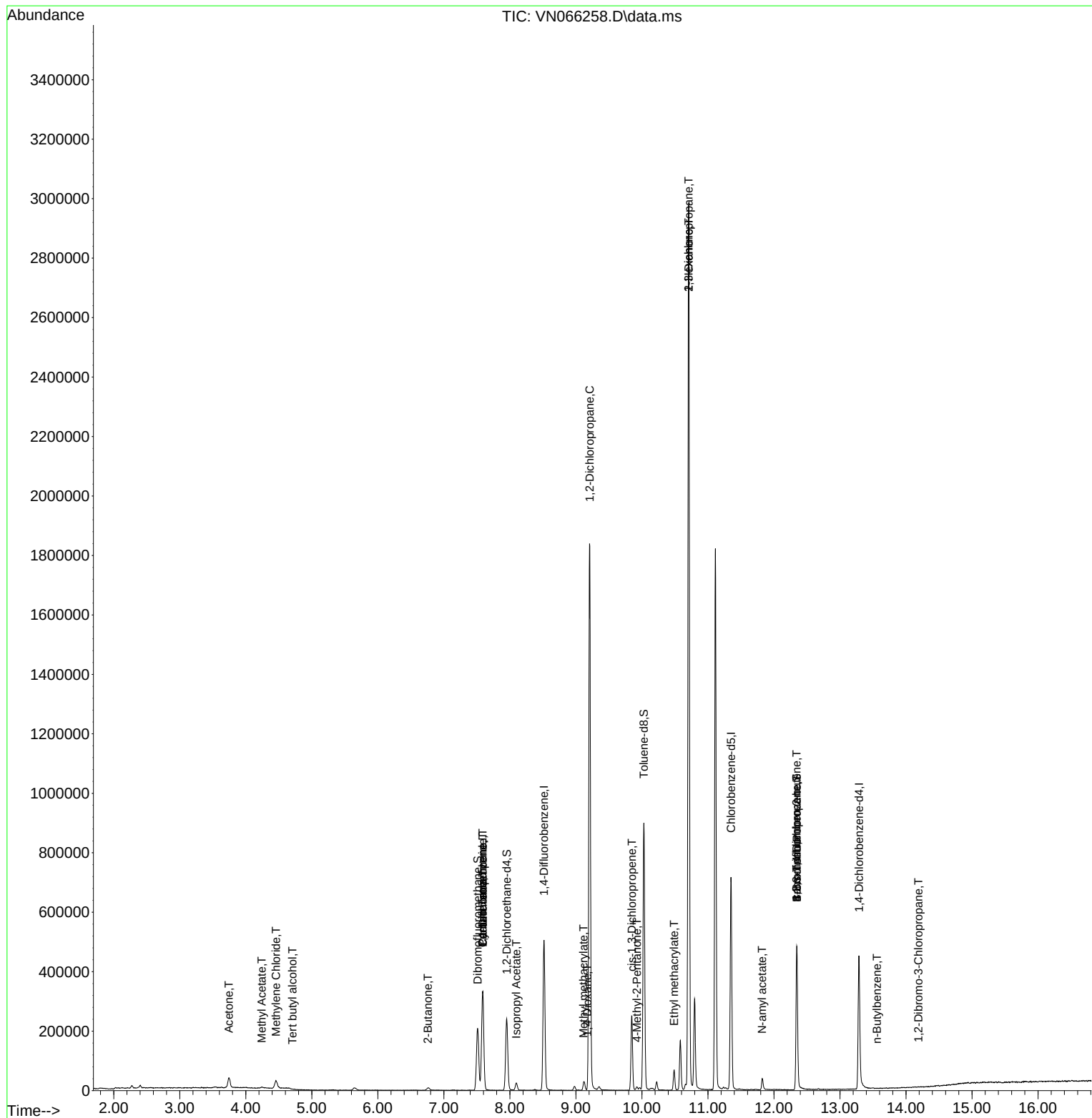
Internal Standards						
1) Pentafluorobenzene	7.590	168	296387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.518	114	440512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	420986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	145091	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	197112	46.16	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.32%			
35) Dibromofluoromethane	7.512	113	162475	57.82	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.64%			
50) Toluene-d8	10.030	98	613799	56.49	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.98%#			
62) 4-Bromofluorobenzene	12.345	95	167839	42.85	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.70%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.709	59	182	0.25	ug/l #	73
13) Acrolein	3.529	56	1254	Below Cal	#	1
16) Acetone	3.744	43	55662	27.13	ug/l	99
18) Methyl Acetate	4.243	43	6477	1.13	ug/l #	86
20) Methylene Chloride	4.460	84	15809	4.93	ug/l	92
25) 2-Butanone	6.758	43	8086	2.54	ug/l	94
31) Cyclohexane	7.587	56	4576	0.72	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	19155	4.29	ug/l #	51
38) Carbon Tetrachloride	7.587	117	24245	6.06	ug/l #	17
43) Isopropyl Acetate	8.097	43	29034	2.94	ug/l #	93
45) 1,2-Dichloropropane	9.210	63	2361	0.61	ug/l #	44
48) Methyl methacrylate	9.116	41	7635	1.63	ug/l #	21
49) 1,4-Dioxane	9.175	88	25	0.49	ug/l #	16
51) 4-Methyl-2-Pentanone	9.923	43	6837	1.15	ug/l	93
54) cis-1,3-Dichloropropene	9.848	75	44104	7.62	ug/l #	54
56) Ethyl methacrylate	10.489	69	952	2.32	ug/l #	1
57) 1,3-Dichloropropane	10.709	76	29245	5.10	ug/l #	43
59) 2-Hexanone	10.709	43	427014	92.51	ug/l #	57
71) Bromoform	12.348	173	1984	0.79	ug/l #	1
74) N-amyl acetate	11.822	43	13616	4.47	ug/l #	61
76) 1,2,3-Trichloropropane	12.345	75	82028	21.89	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	82028	65.51	ug/l #	11
89) n-Butylbenzene	13.560	91	96	2.25	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.190	75	146	1.02	ug/l #	8

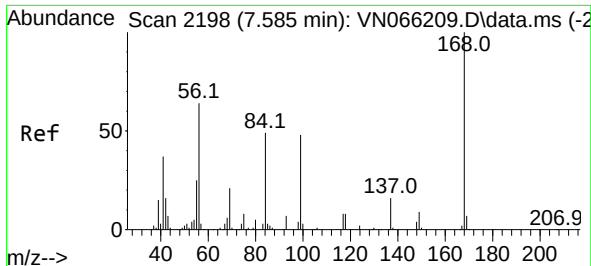
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

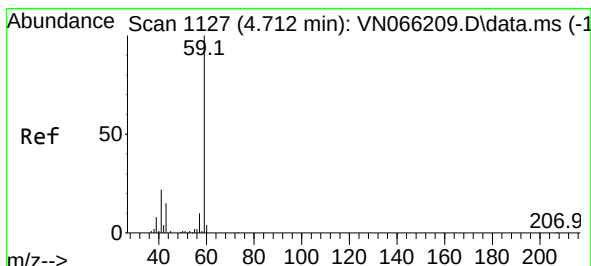
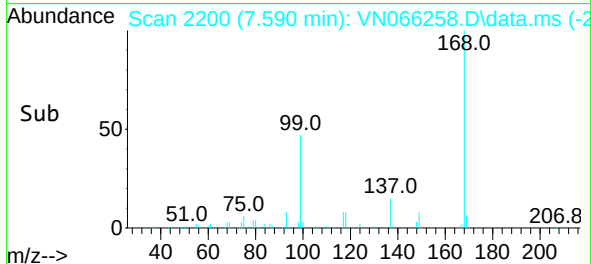
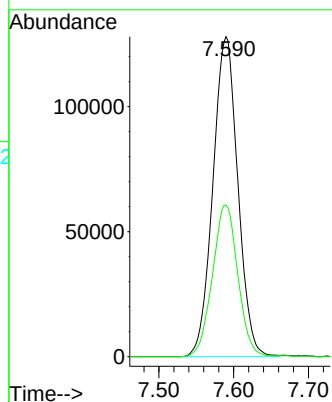
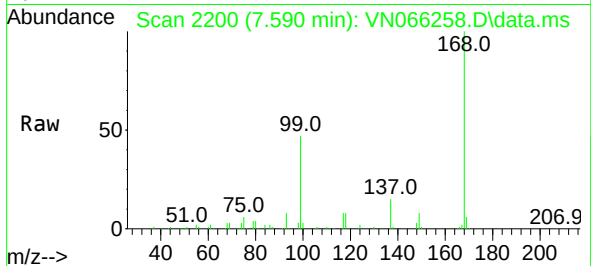




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. 0.005 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

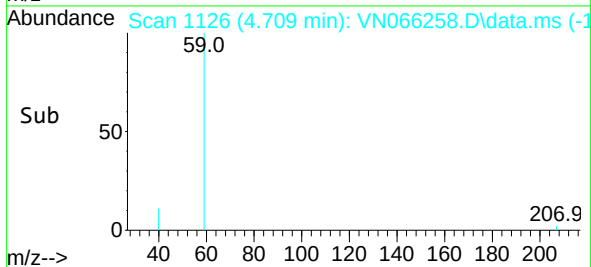
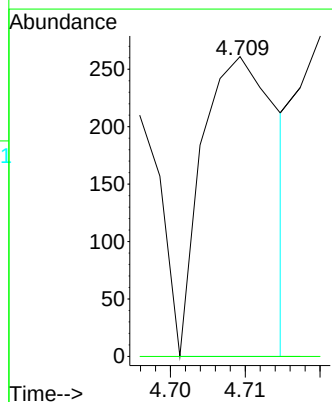
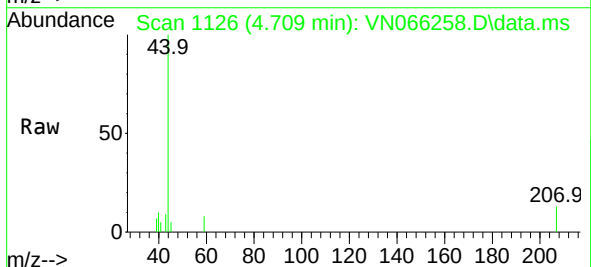
Instrument :
MSVOA_N
ClientSampled :

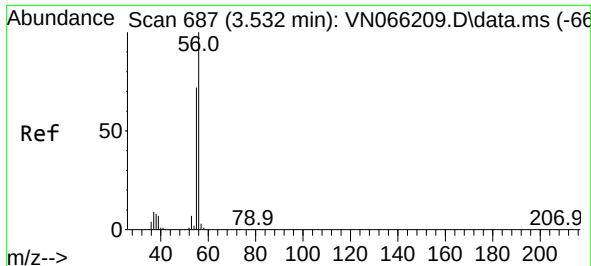
Tgt Ion:168 Resp: 296387
Ion Ratio Lower Upper
168 100
99 47.3 45.4 68.0



#11
Tert butyl alcohol
Concen: 0.25 ug/l
RT: 4.709 min Scan# 1126
Delta R.T. -0.003 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Tgt Ion: 59 Resp: 182
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

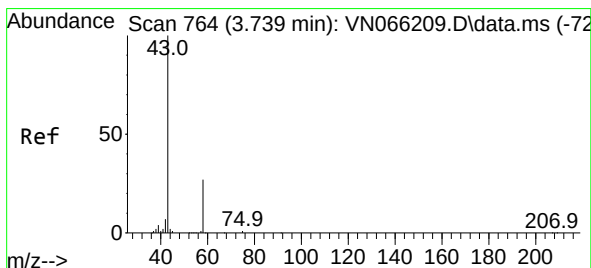
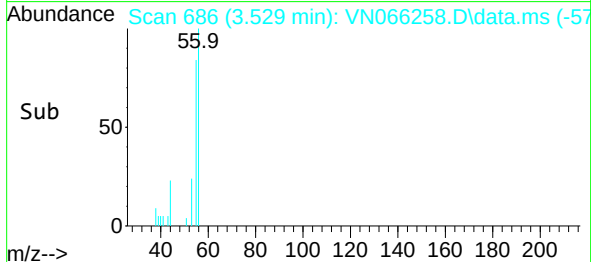
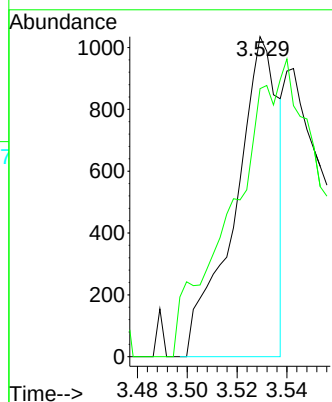
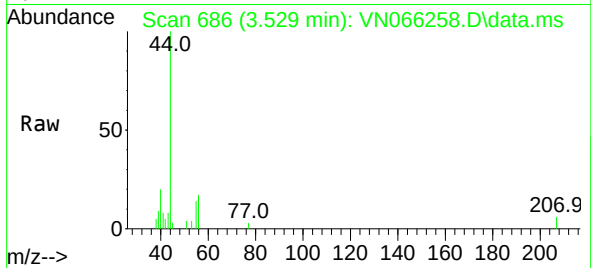




#13
Acrolein
Concen: Below Cal
RT: 3.529 min Scan# 686
Delta R.T. -0.003 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

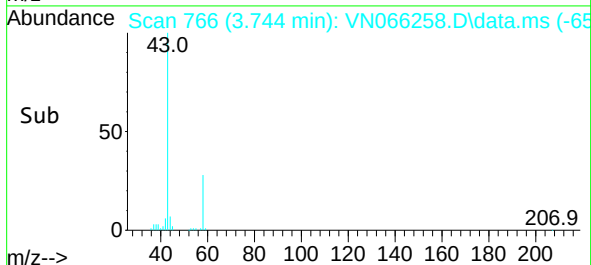
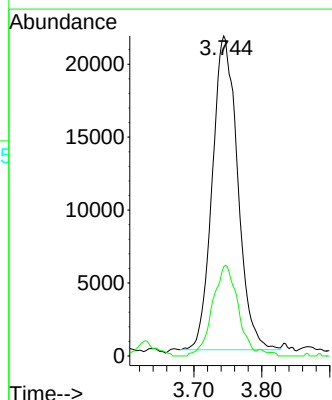
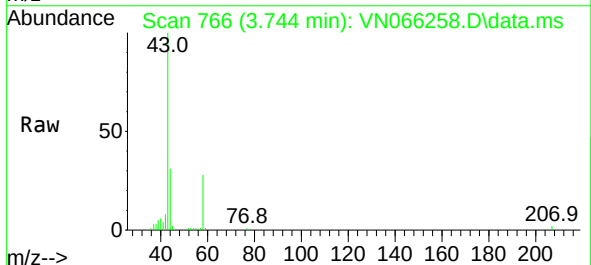
Instrument :
MSVOA_N
ClientSampled :

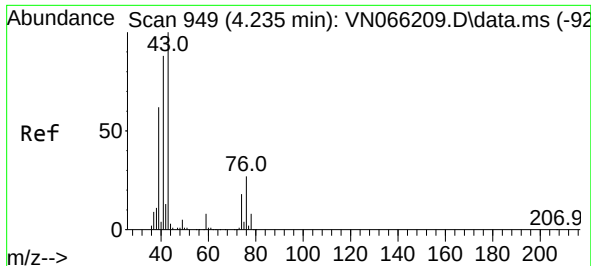
Tgt Ion: 56 Resp: 1254
Ion Ratio Lower Upper
56 100
55 200.5 58.0 87.0#



#16
Acetone
Concen: 27.13 ug/l
RT: 3.744 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

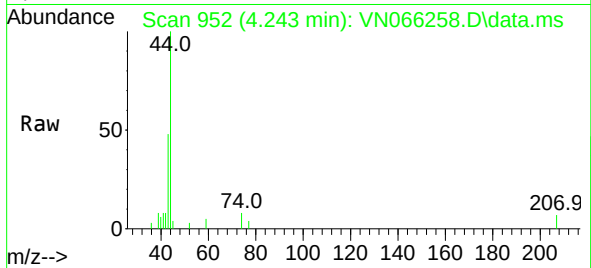
Tgt Ion: 43 Resp: 55662
Ion Ratio Lower Upper
43 100
58 28.5 22.3 33.5



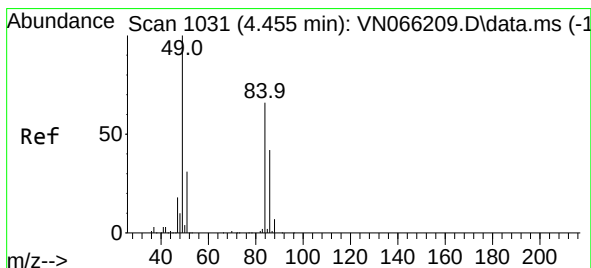
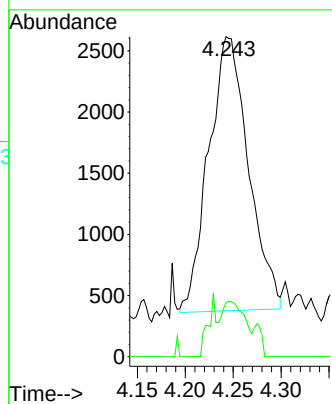
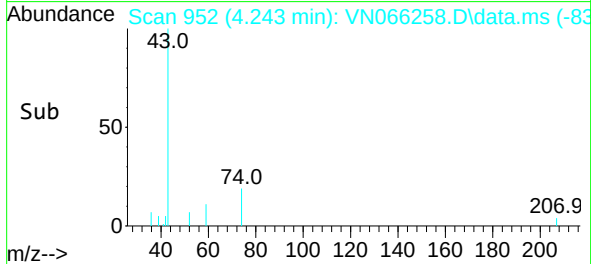


#18
Methyl Acetate
Concen: 1.13 ug/l
RT: 4.243 min Scan# 952
Delta R.T. 0.008 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

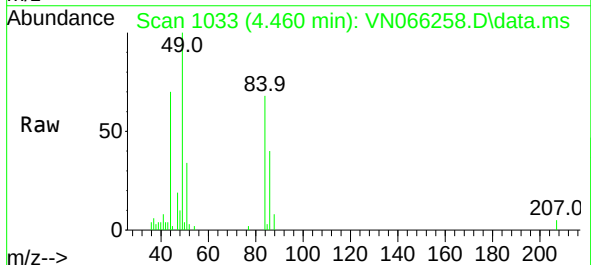
Instrument :
MSVOA_N
ClientSampled :



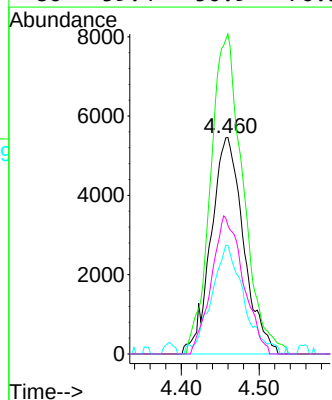
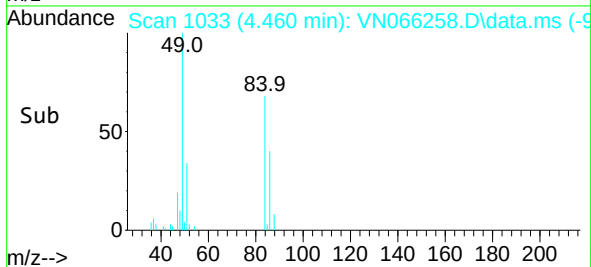
Tgt Ion: 43 Resp: 6477
Ion Ratio Lower Upper
43 100
74 11.7 14.2 21.2#

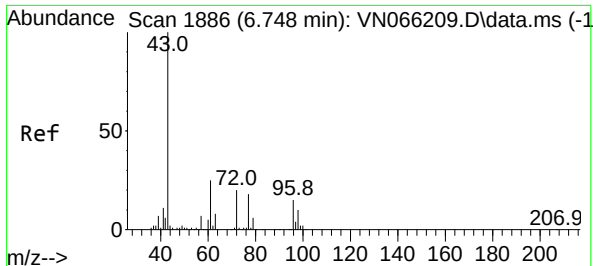


#20
Methylene Chloride
Concen: 4.93 ug/l
RT: 4.460 min Scan# 1033
Delta R.T. 0.005 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11



Tgt Ion: 84 Resp: 15809
Ion Ratio Lower Upper
84 100
49 147.8 130.0 195.0
51 50.1 39.1 58.7
86 59.4 50.9 76.3

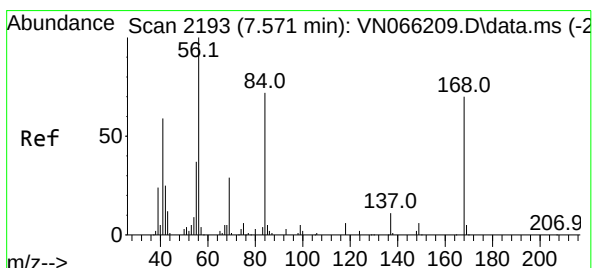
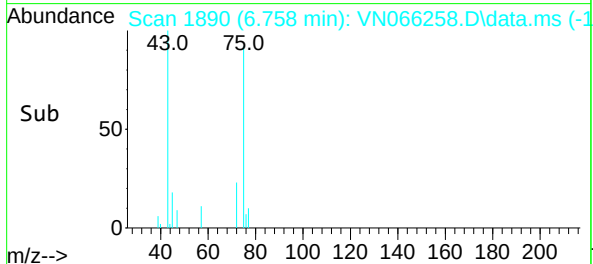
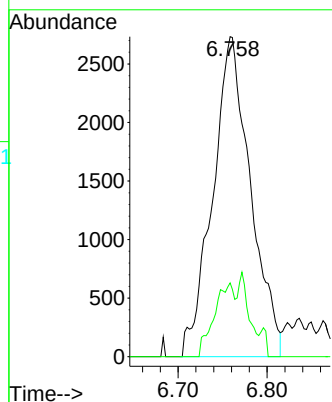
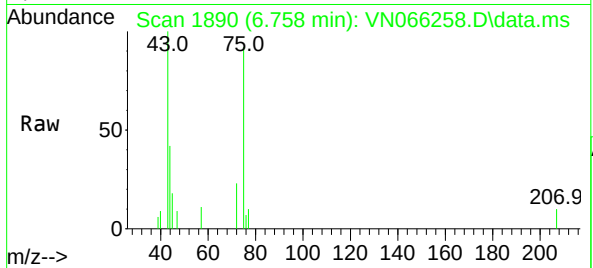




#25
2-Butanone
Concen: 2.54 ug/l
RT: 6.758 min Scan# 1890
Delta R.T. 0.010 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

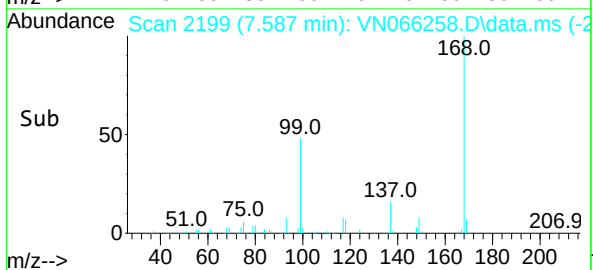
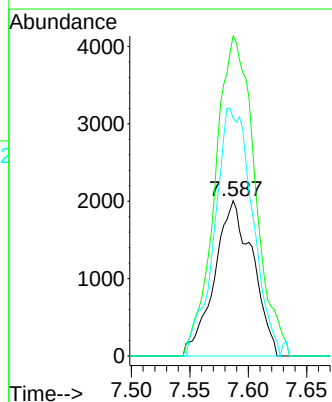
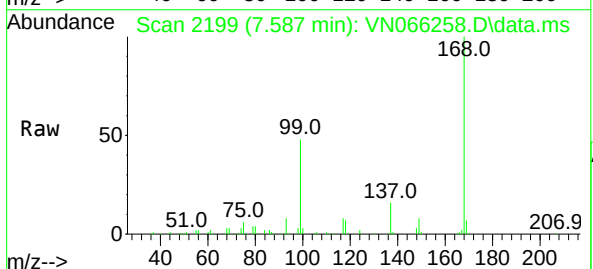
Instrument :
MSVOA_N
ClientSampled :

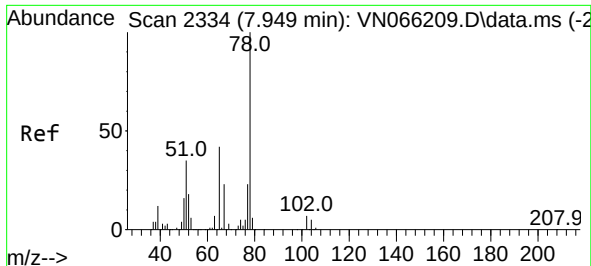
Tgt Ion: 43 Resp: 8086
Ion Ratio Lower Upper
43 100
72 23.1 16.2 24.2



#31
Cyclohexane
Concen: 0.72 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.016 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Tgt Ion: 56 Resp: 4576
Ion Ratio Lower Upper
56 100
69 206.2 23.4 35.0#
84 152.9 57.8 86.6#

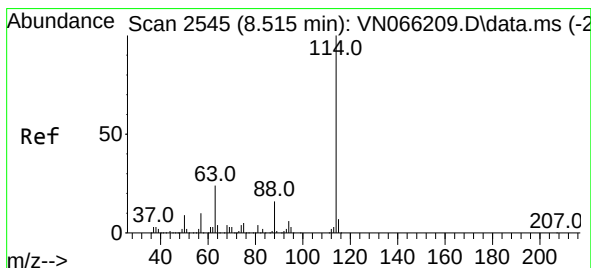
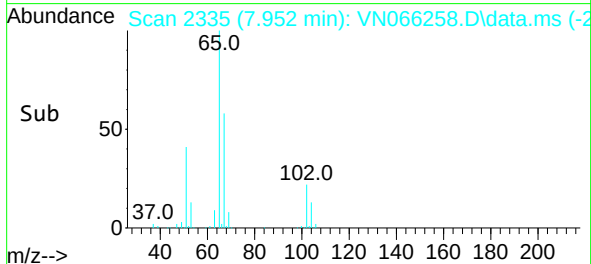
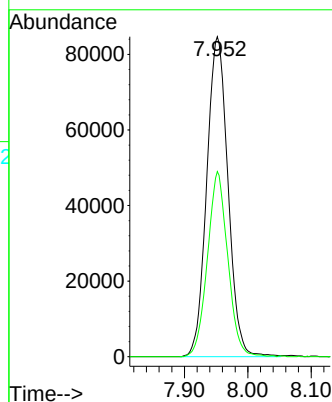
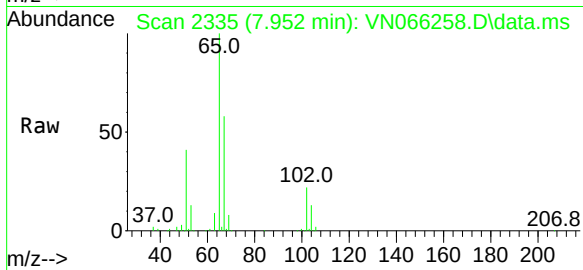




#33
 1,2-Dichloroethane-d4
 Concen: 46.16 ug/l
 RT: 7.952 min Scan# 2335
 Delta R.T. 0.003 min
 Lab File: VN066258.D
 Acq: 18 Mar 2021 16:11

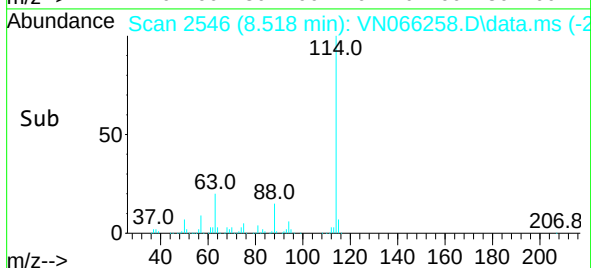
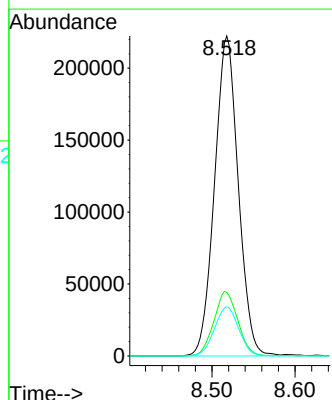
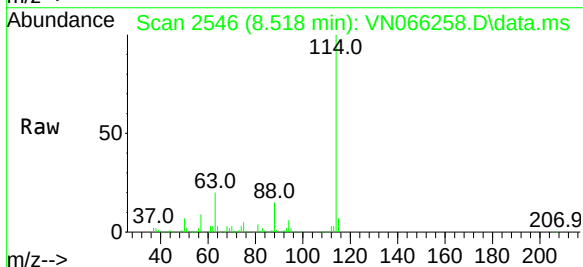
Instrument :
 MSVOA_N
 ClientSampled :

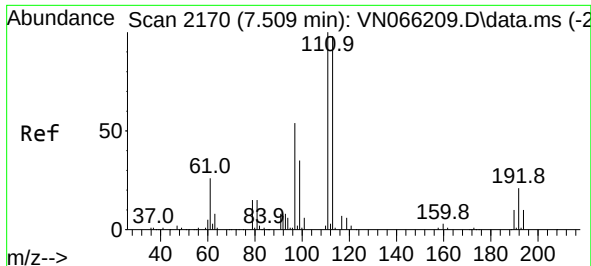
Tgt Ion: 65 Resp: 197112
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.518 min Scan# 2546
 Delta R.T. 0.003 min
 Lab File: VN066258.D
 Acq: 18 Mar 2021 16:11

Tgt Ion: 114 Resp: 440512
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 49.2
 88 15.3 0.0 33.8

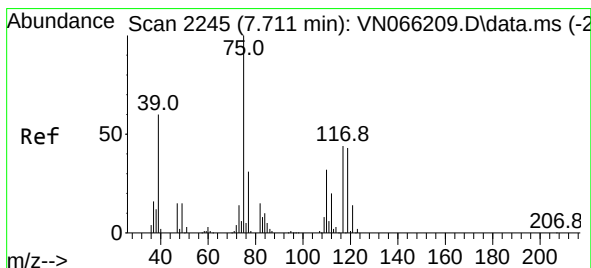
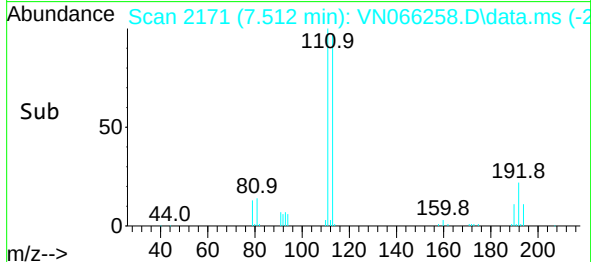
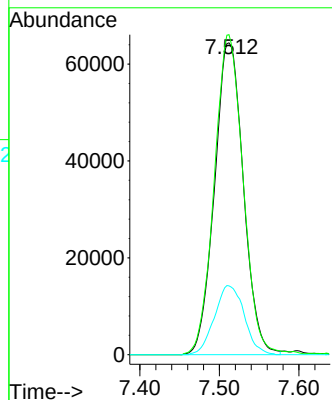
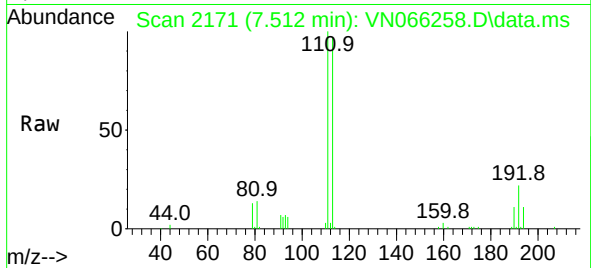




#35
Dibromofluoromethane
Concen: 57.82 ug/l
RT: 7.512 min Scan# 2171
Delta R.T. 0.003 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

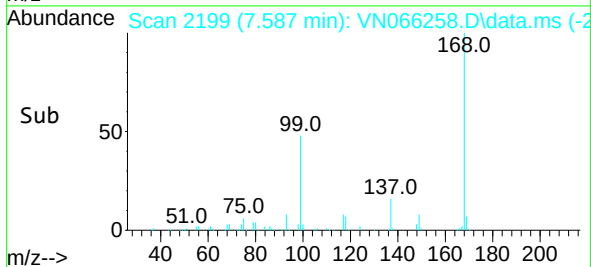
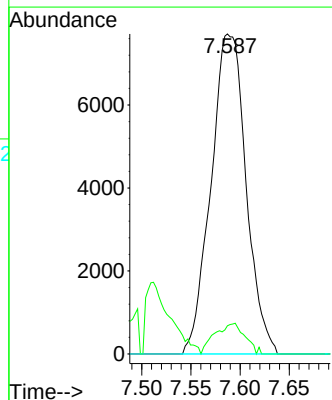
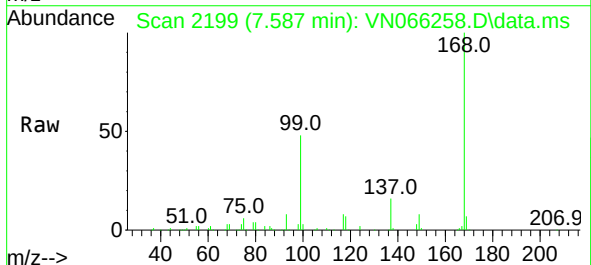
Instrument :
MSVOA_N
ClientSampled :

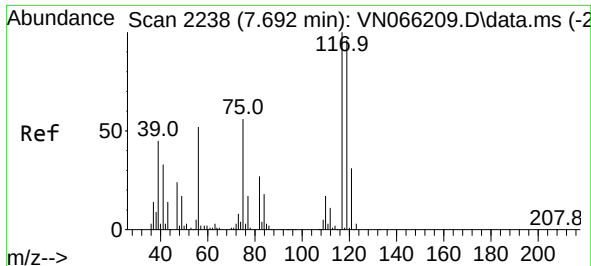
Tgt Ion:113 Resp: 162475
Ion Ratio Lower Upper
113 100
111 102.4 84.0 126.0
192 22.9 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.29 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.124 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

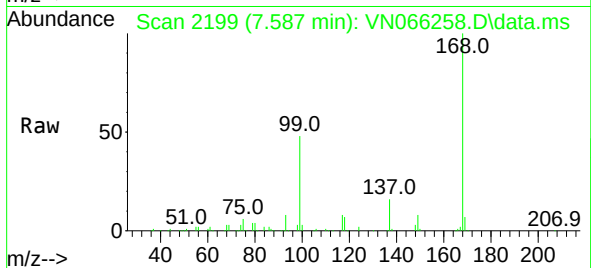
Tgt Ion: 75 Resp: 19155
Ion Ratio Lower Upper
75 100
110 8.2 16.0 48.0#
77 0.0 24.9 37.3#



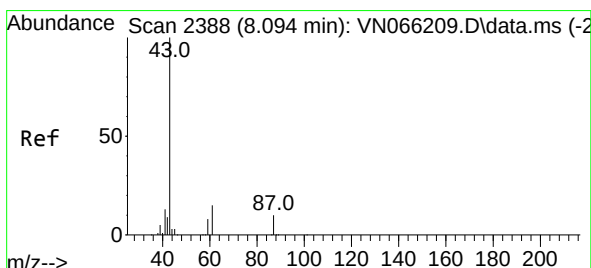
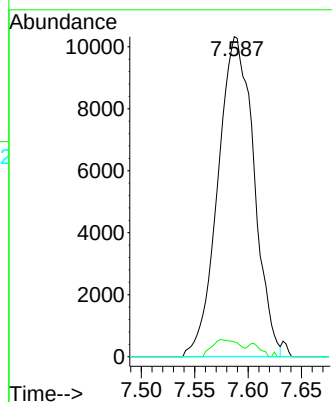
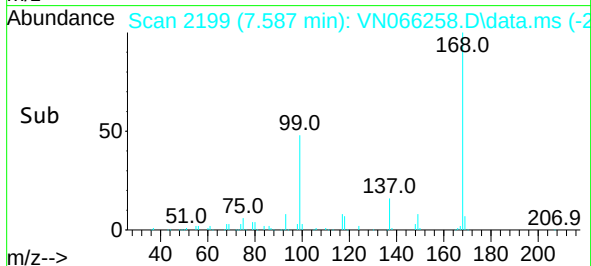


#38
Carbon Tetrachloride
Concen: 6.06 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.105 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

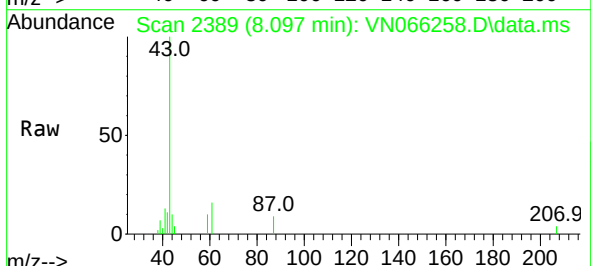
Instrument :
MSVOA_N
ClientSampled :



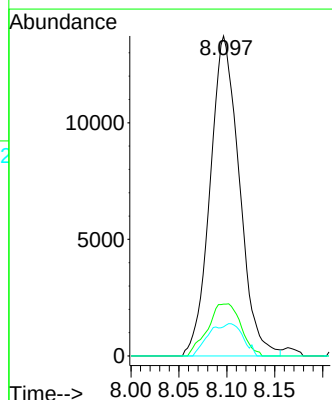
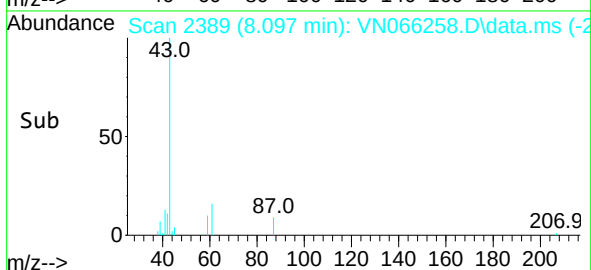
Tgt Ion: 117 Resp: 24245
Ion Ratio Lower Upper
117 100
119 4.7 74.6 111.8#
121 0.0 23.9 35.9#

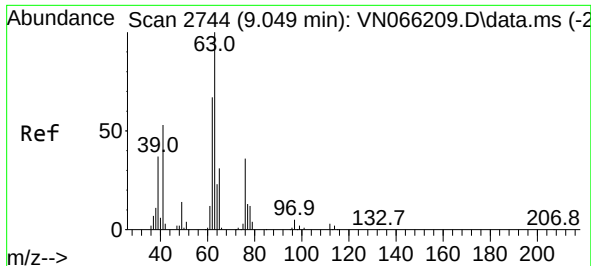


#43
Isopropyl Acetate
Concen: 2.94 ug/l
RT: 8.097 min Scan# 2389
Delta R.T. 0.003 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11



Tgt Ion: 43 Resp: 29034
Ion Ratio Lower Upper
43 100
61 18.5 14.0 21.0
87 4.4 7.9 11.9#

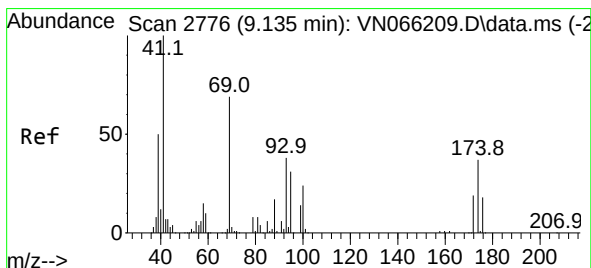
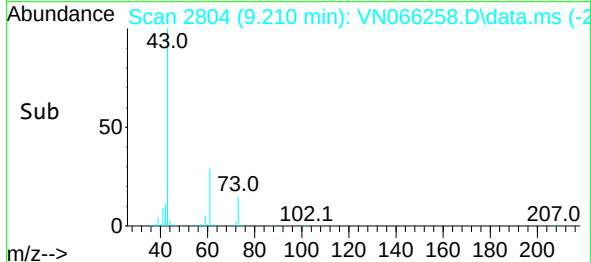
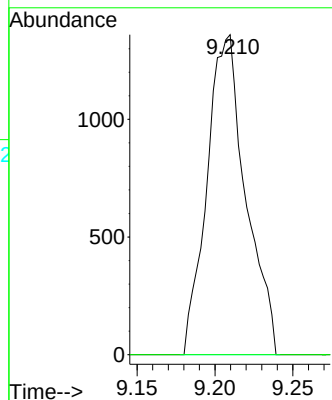
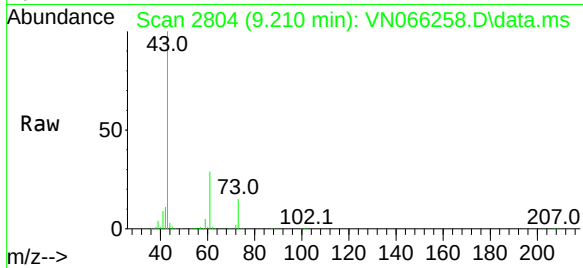




#45
1,2-Dichloropropane
Concen: 0.61 ug/l
RT: 9.210 min Scan# 2804
Delta R.T. 0.161 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

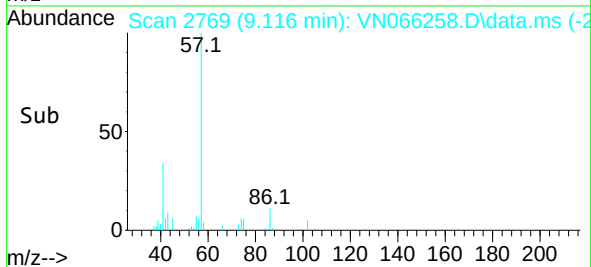
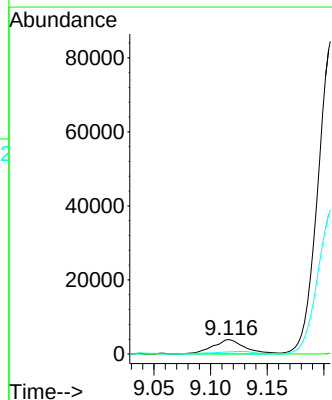
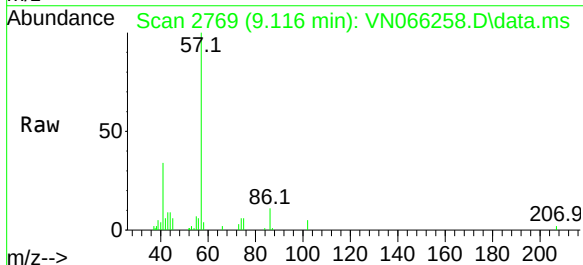
Instrument :
MSVOA_N
ClientSampled :

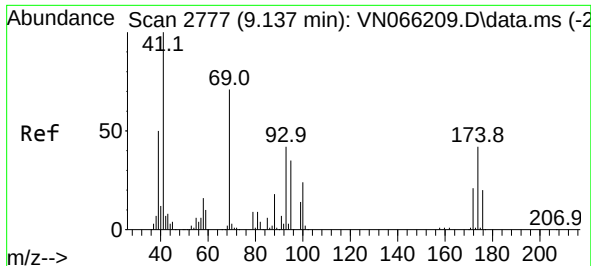
Tgt Ion: 63 Resp: 2361
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.63 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.019 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Tgt Ion: 41 Resp: 7635
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: 0.49 ug/l

RT: 9.175 min Scan# 2791

Delta R.T. 0.038 min

Lab File: VN066258.D

Acq: 18 Mar 2021 16:11

Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

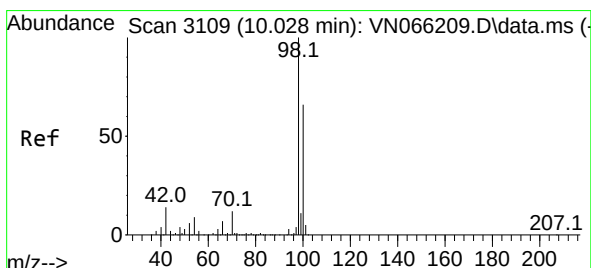
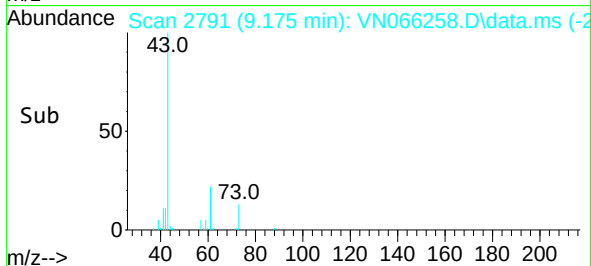
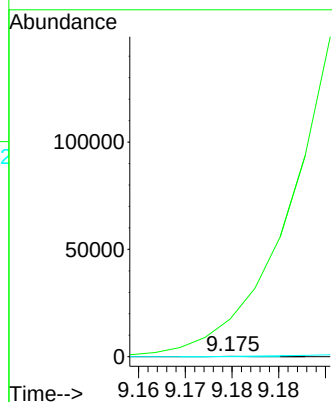
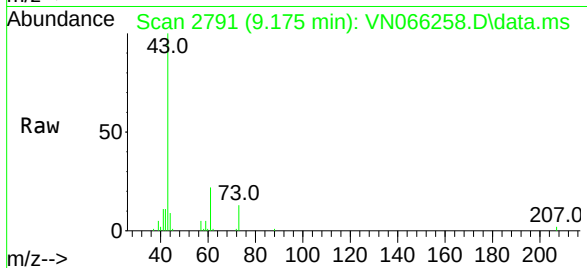
43 0.0 34.4 51.6#

58 0.0 67.3 100.9#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 56.49 ug/l

RT: 10.030 min Scan# 3110

Delta R.T. 0.002 min

Lab File: VN066258.D

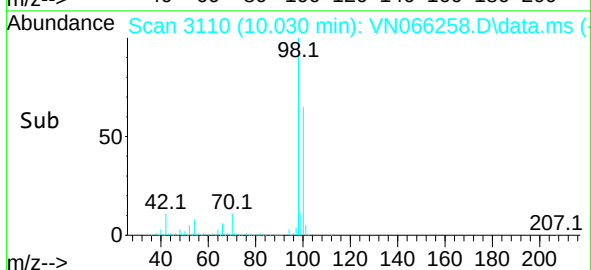
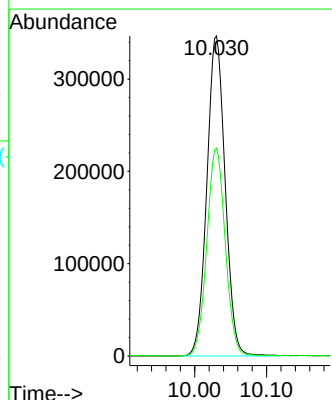
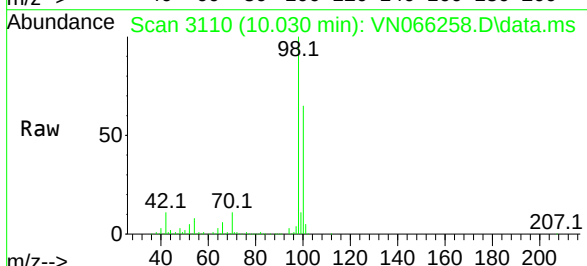
Acq: 18 Mar 2021 16:11

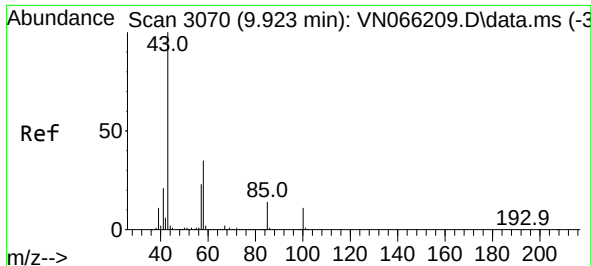
Tgt Ion: 98 Resp: 613799

Ion Ratio Lower Upper

98 100

100 65.6 51.0 76.6

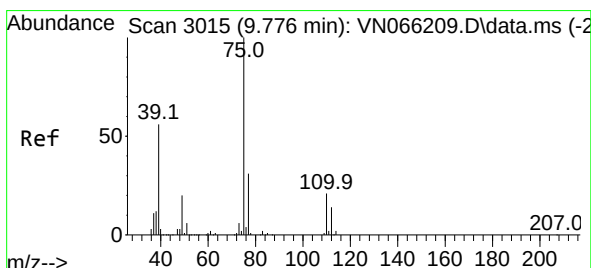
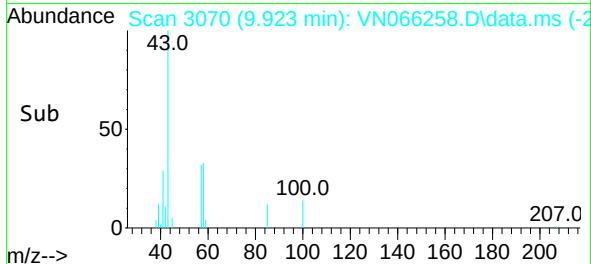
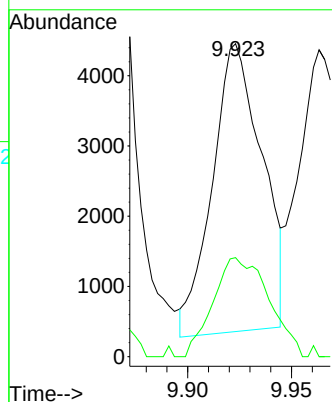
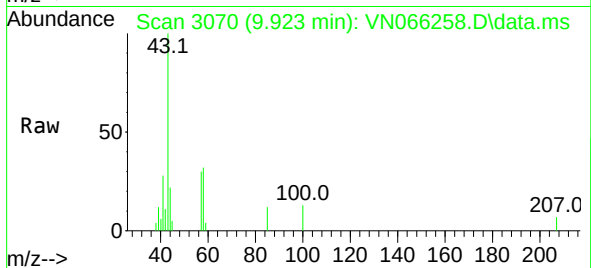




#51
4-Methyl-2-Pentanone
Concen: 1.15 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

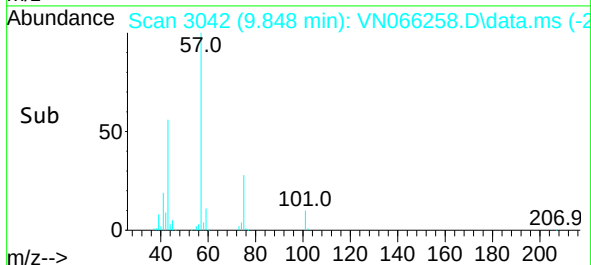
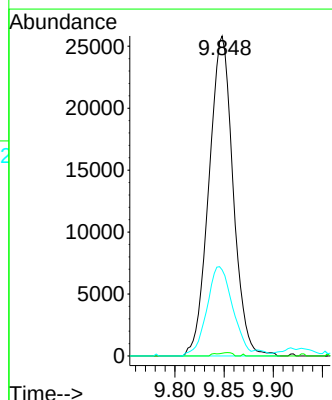
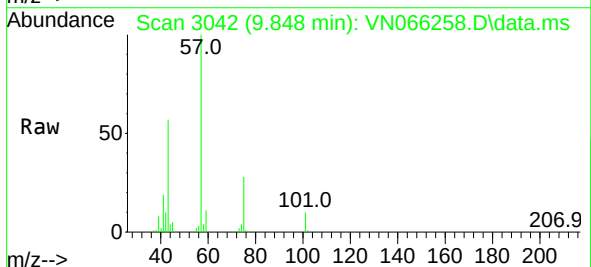
Instrument :
MSVOA_N
ClientSampled :

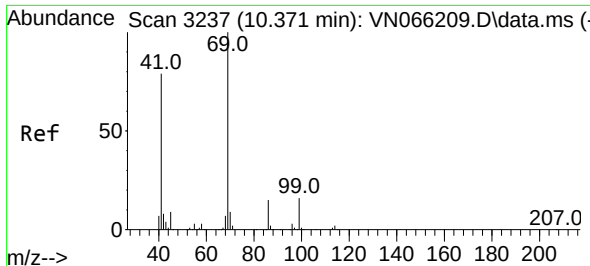
Tgt Ion: 43 Resp: 6837
Ion Ratio Lower Upper
43 100
58 38.5 27.5 41.3



#54
cis-1,3-Dichloropropene
Concen: 7.62 ug/l
RT: 9.848 min Scan# 3042
Delta R.T. 0.072 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Tgt Ion: 75 Resp: 44104
Ion Ratio Lower Upper
75 100
77 0.9 25.0 37.4#
39 26.9 46.2 69.2#

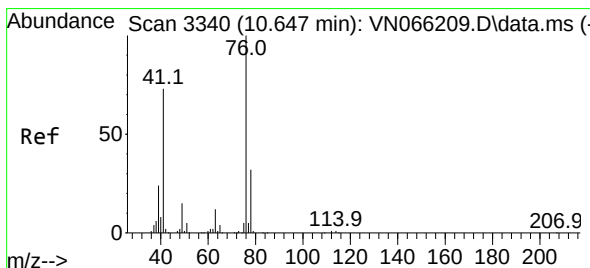
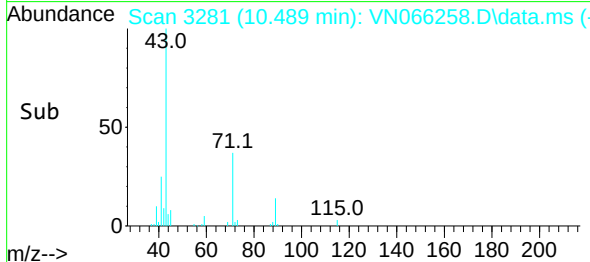
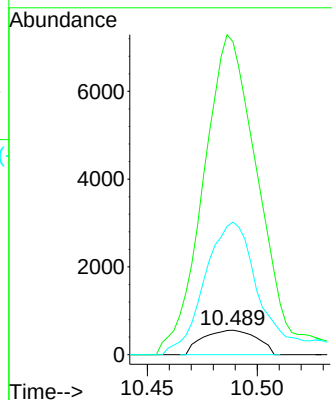
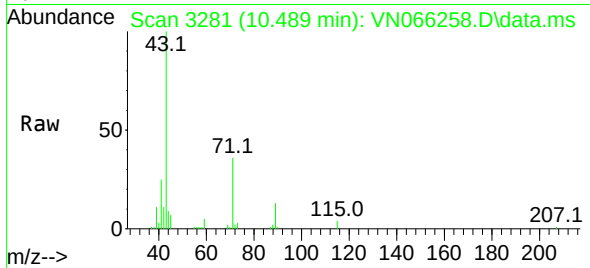




#56
Ethyl methacrylate
Concen: 2.32 ug/l
RT: 10.489 min Scan# 3281
Delta R.T. 0.118 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

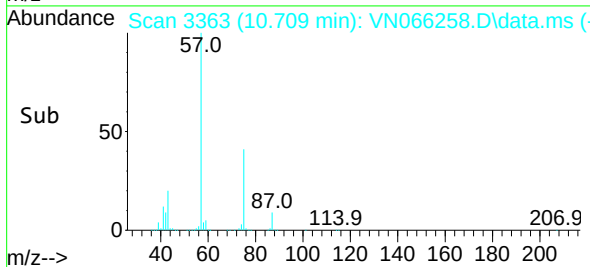
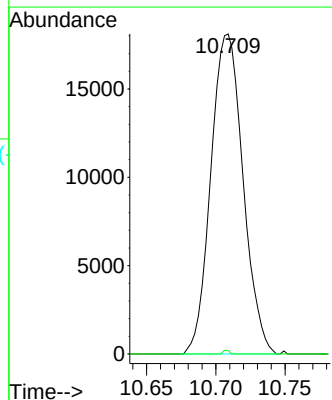
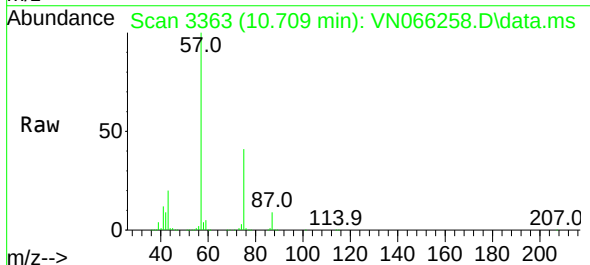
Instrument :
MSVOA_N
ClientSampleId :

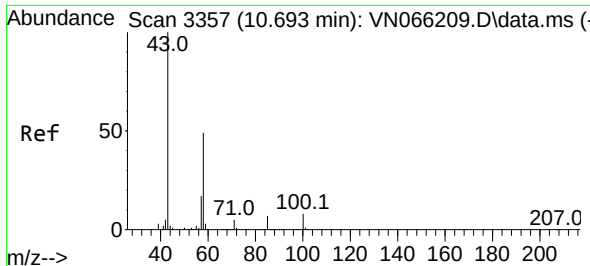
Tgt Ion: 69 Resp: 952
Ion Ratio Lower Upper
69 100
41 1337.8 66.2 99.4#
39 543.0 31.5 47.3#



#57
1,3-Dichloropropane
Concen: 5.10 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.062 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Tgt Ion: 76 Resp: 29245
Ion Ratio Lower Upper
76 100
78 0.2 25.4 38.2#

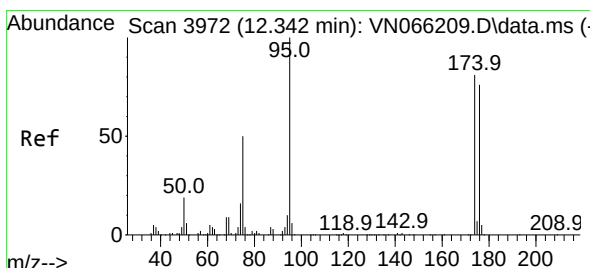
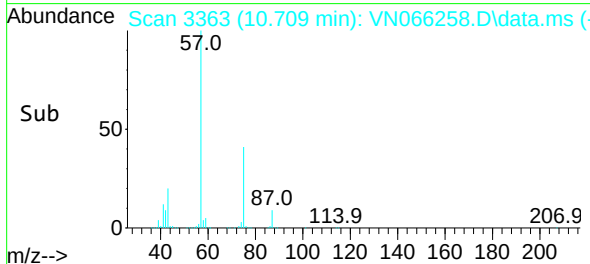
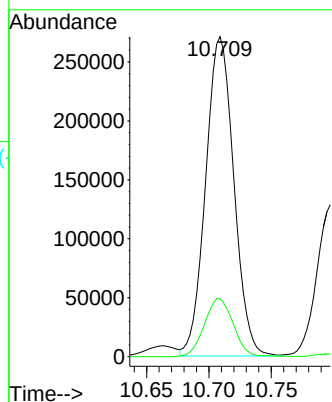
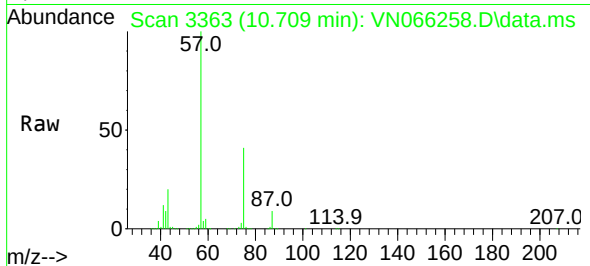




#59
2-Hexanone
Concen: 92.51 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.016 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

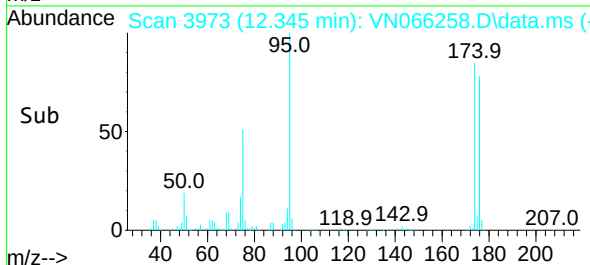
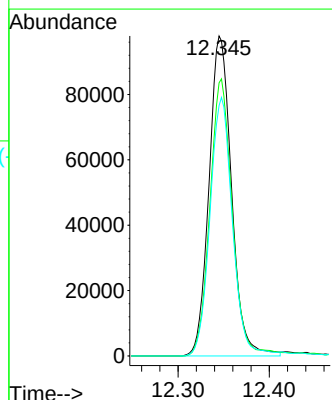
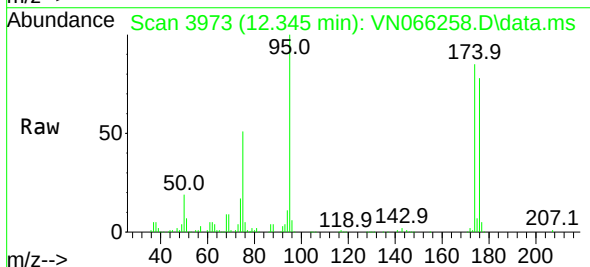
Instrument :
MSVOA_N
ClientSampled :

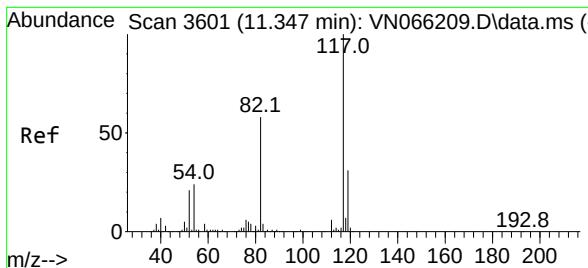
Tgt Ion: 43 Resp: 427014
Ion Ratio Lower Upper
43 100
58 18.6 23.8 71.5#



#62
4-Bromofluorobenzene
Concen: 42.85 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Tgt Ion: 95 Resp: 167839
Ion Ratio Lower Upper
95 100
174 86.4 0.0 162.4
176 80.3 0.0 156.2

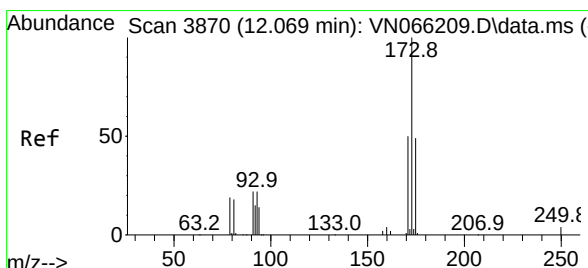
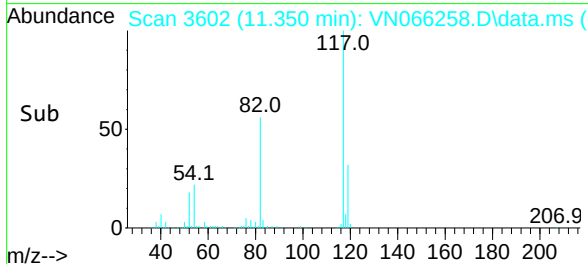
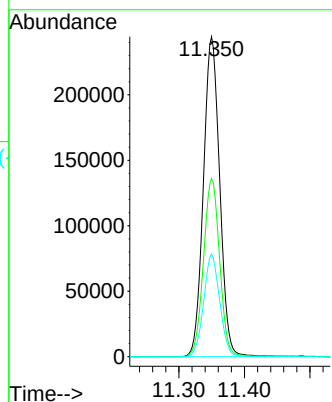
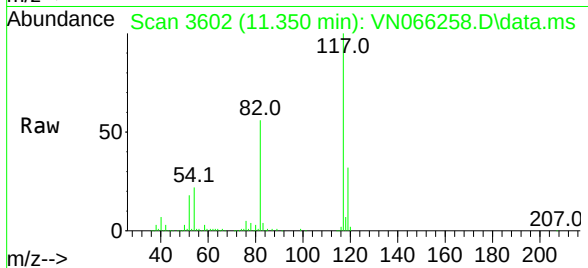




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

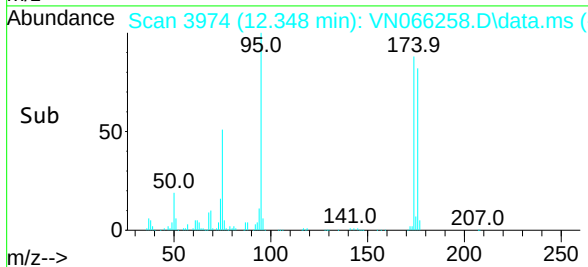
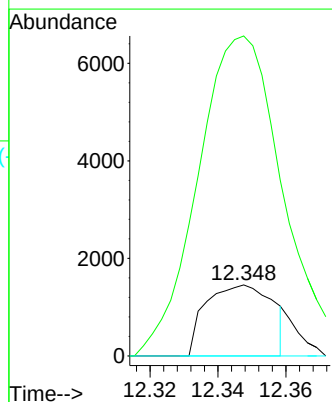
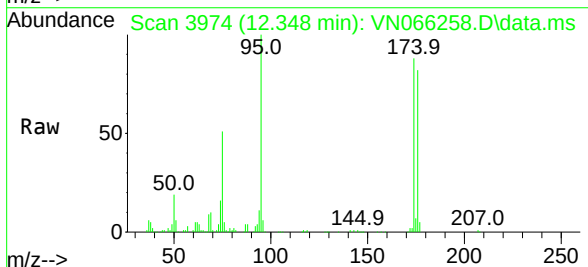
Instrument :
MSVOA_N
ClientSampled :

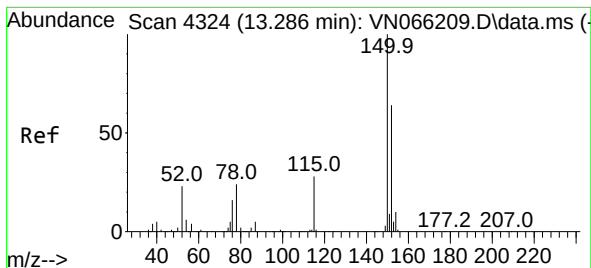
Tgt Ion:117 Resp: 420986
Ion Ratio Lower Upper
117 100
82 55.6 49.0 73.6
119 32.1 25.7 38.5



#71
Bromoform
Concen: 0.79 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.279 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Tgt Ion:173 Resp: 1984
Ion Ratio Lower Upper
173 100
175 495.0 23.9 71.8#
254 0.0 0.0 0.0

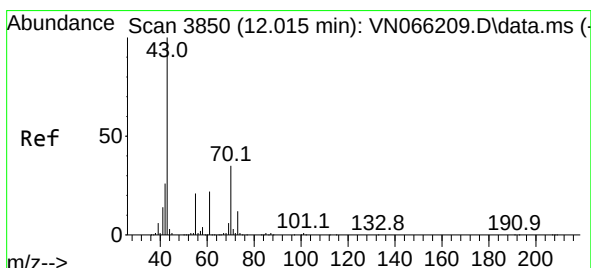
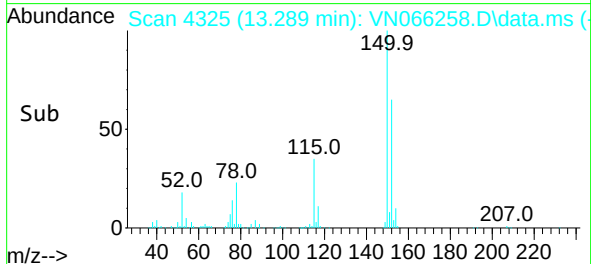
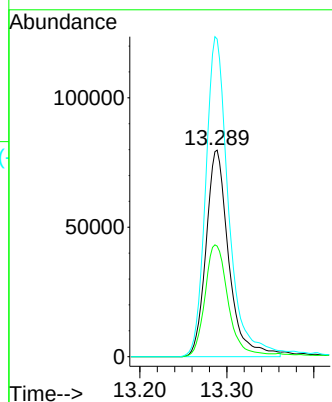
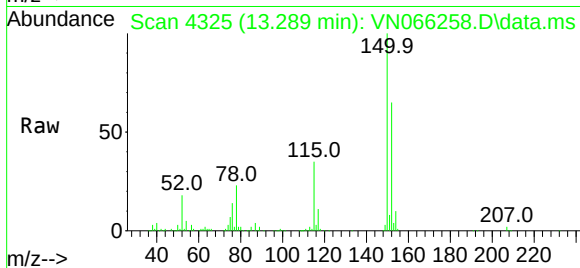




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

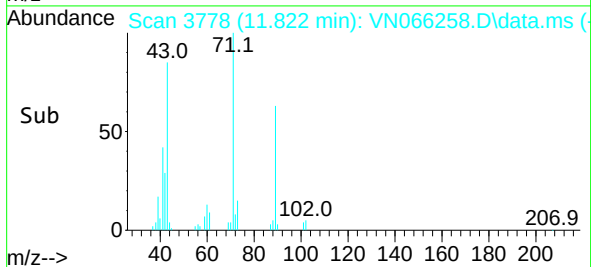
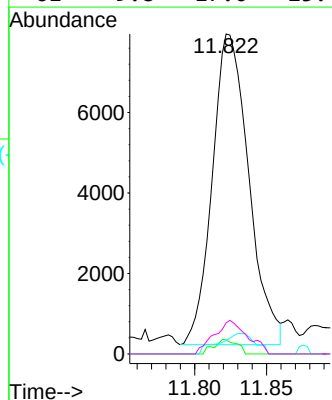
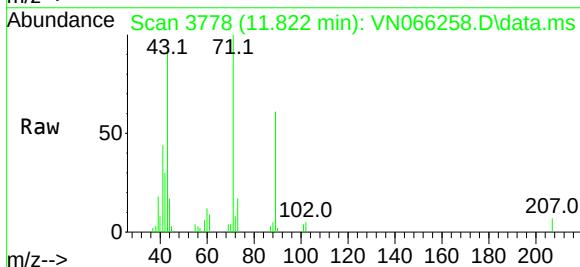
Instrument :
MSVOA_N
ClientSampleId :

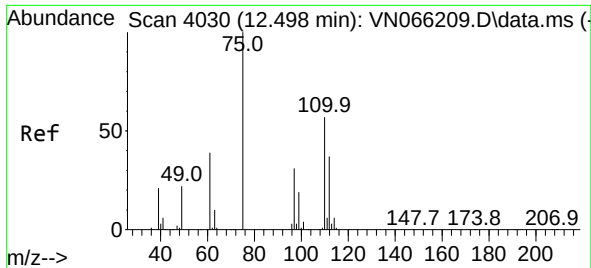
Tgt Ion:152 Resp: 145091
Ion Ratio Lower Upper
152 100
115 55.6 29.4 88.3
150 156.5 0.0 352.2



#74
N-ethyl acetate
Concen: 4.47 ug/l
RT: 11.822 min Scan# 3778
Delta R.T. -0.193 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Tgt Ion: 43 Resp: 13616
Ion Ratio Lower Upper
43 100
70 2.9 26.2 39.4#
55 6.6 17.2 25.8#
61 9.8 17.0 25.4#

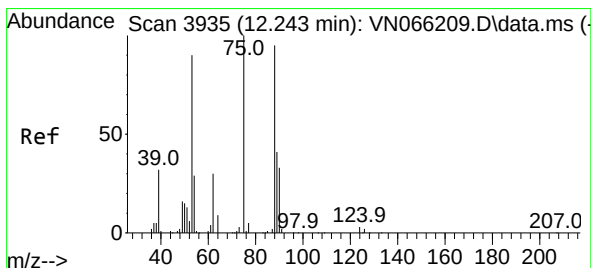
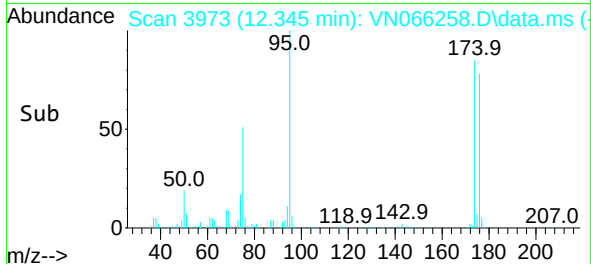
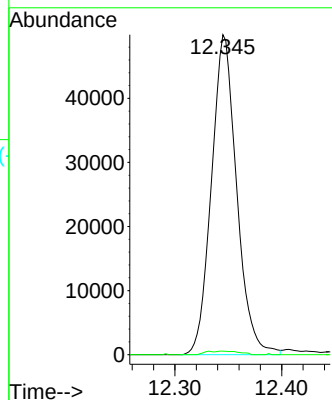
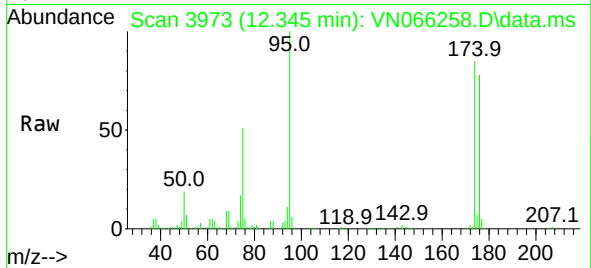




#76
1,2,3-Trichloropropane
Concen: 21.89 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

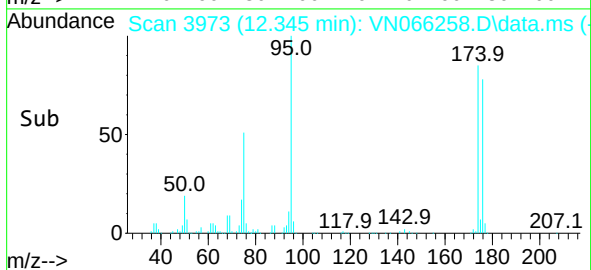
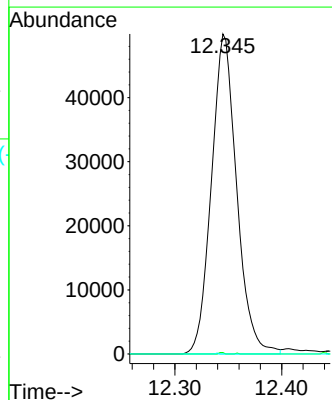
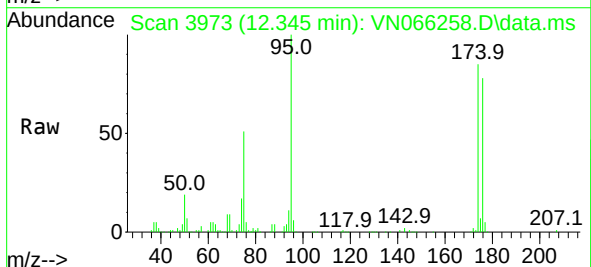
Instrument :
MSVOA_N
ClientSampled :

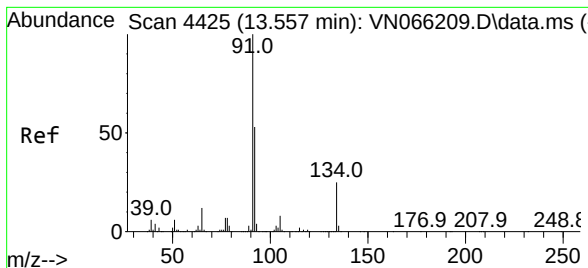
Tgt Ion: 75 Resp: 82028
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.51 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Tgt Ion: 75 Resp: 82028
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.0 33.7 50.5#

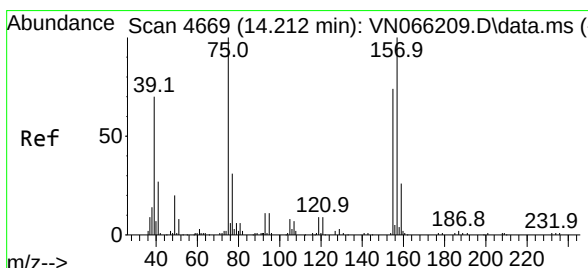
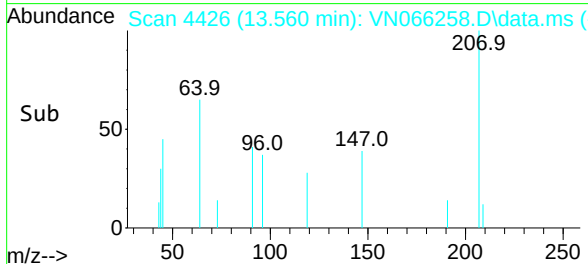
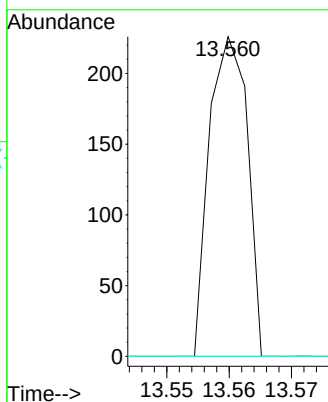
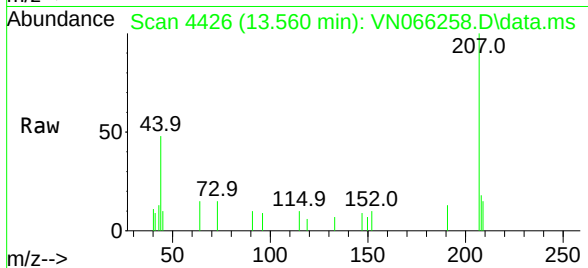




#89
n-Butylbenzene
Concen: 2.25 ug/l
RT: 13.560 min Scan# 4426
Delta R.T. 0.003 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 96
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: 1.02 ug/l
RT: 14.190 min Scan# 4661
Delta R.T. -0.022 min
Lab File: VN066258.D
Acq: 18 Mar 2021 16:11

Tgt Ion: 75 Resp: 146
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#

