

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066411.D
 Acq On : 30 Mar 2021 5:29
 Operator : JC/MD
 Sample : M1832-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IG002

Quant Time: Mar 30 07:10:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 16:26:01 2021
 Response via : Initial Calibration

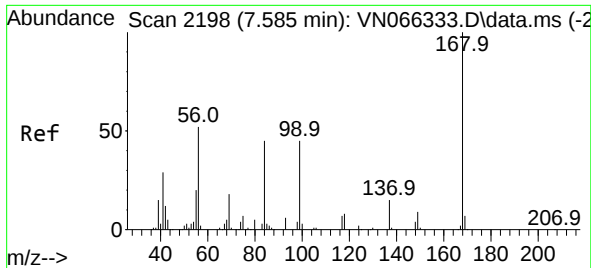
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.585	168	413943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	643569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	552699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	208079	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	298083	54.17	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.34%			
35) Dibromofluoromethane	7.504	113	232716	54.55	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.10%			
50) Toluene-d8	10.028	98	858981	53.08	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.16%			
62) 4-Bromofluorobenzene	12.345	95	245780	43.73	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.46%			
Target Compounds						Qvalue
3) Chloromethane	2.014	50	2588	Below Cal		95
13) Acrolein	3.529	56	4226	Below Cal		85
16) Acetone	3.739	43	334382	112.47	ug/l	99
18) Methyl Acetate	4.235	43	11326	1.46	ug/l	98
20) Methylene Chloride	4.452	84	33227	5.15	ug/l	97
25) 2-Butanone	6.748	43	15265	4.70	ug/l #	86
29) Tetrahydrofuran	7.115	42	1712	0.81	ug/l #	43
31) Cyclohexane	7.585	56	8805	1.16	ug/l #	1
36) 1,1-Dichloropropene	7.585	75	30554	5.05	ug/l #	48
37) Ethyl Acetate	6.748	43	15265	2.29	ug/l #	70
38) Carbon Tetrachloride	7.585	117	38112	6.27	ug/l #	16
43) Isopropyl Acetate	8.086	43	9701	0.85	ug/l #	93
48) Methyl methacrylate	9.119	41	4953	0.92	ug/l #	22
49) 1,4-Dioxane	9.132	88	108	1.59	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	6790	1.02	ug/l	88
54) cis-1,3-Dichloropropene	9.845	75	21660	2.82	ug/l #	62
57) 1,3-Dichloropropane	10.709	76	2135	0.29	ug/l #	42
59) 2-Hexanone	10.709	43	30795	6.61	ug/l #	57
74) N-amyl acetate	12.021	43	82	3.21	ug/l #	45
76) 1,2,3-Trichloropropane	12.345	75	128722	28.19	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	128722	84.78	ug/l #	12
95) Naphthalene	15.081	128	274	1.07	ug/l #	69

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

Quant Time: Mar 30 07:10:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 26 16:26:01 2021
Response via : Initial Calibration

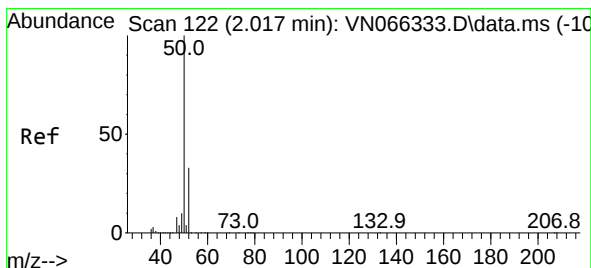
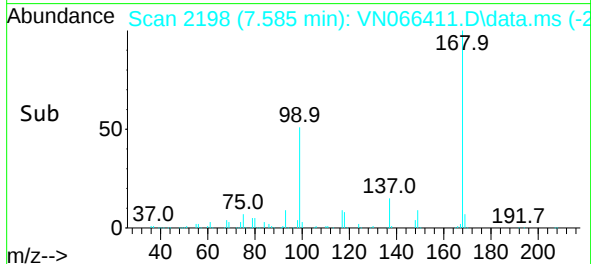
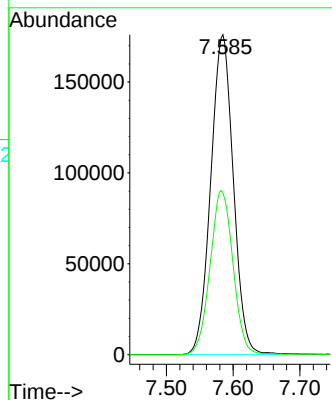
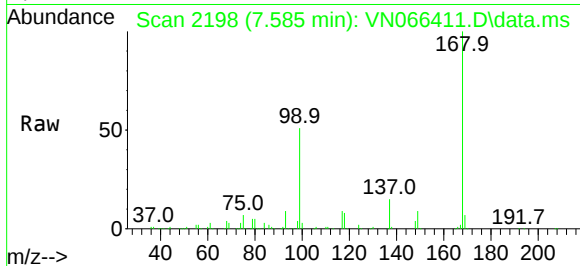




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.000 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

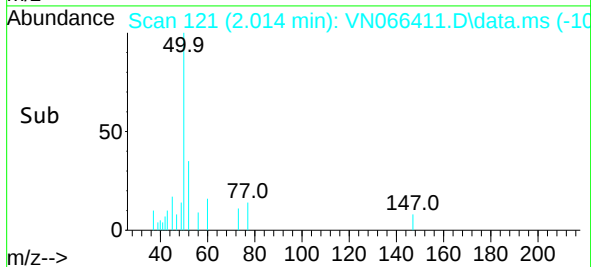
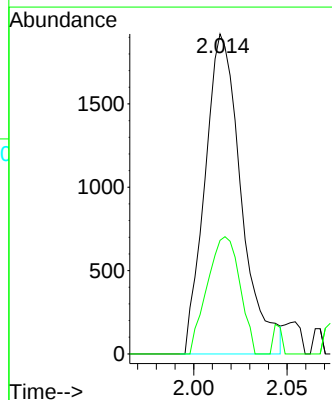
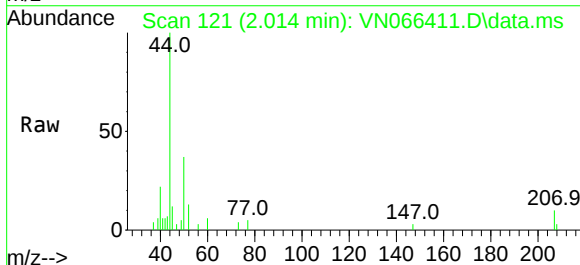
Instrument :
MSVOA_N
ClientSampled :
IG002

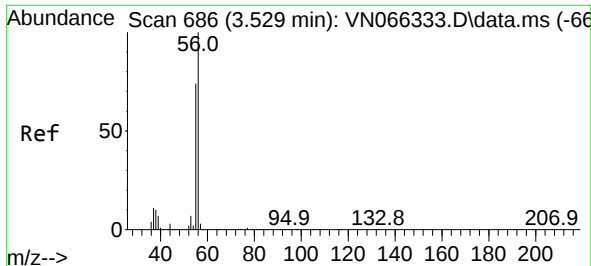
Tgt Ion:168 Resp: 413943
Ion Ratio Lower Upper
168 100
99 50.5 41.1 61.7



#3
Chloromethane
Concen: Below Cal
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion: 50 Resp: 2588
Ion Ratio Lower Upper
50 100
52 35.5 26.2 39.2

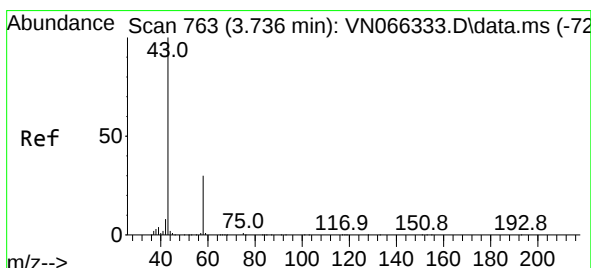
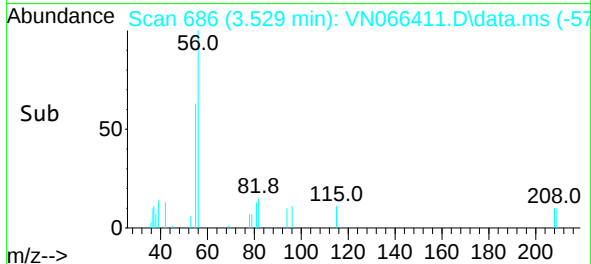
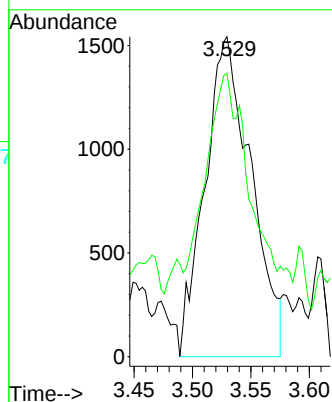
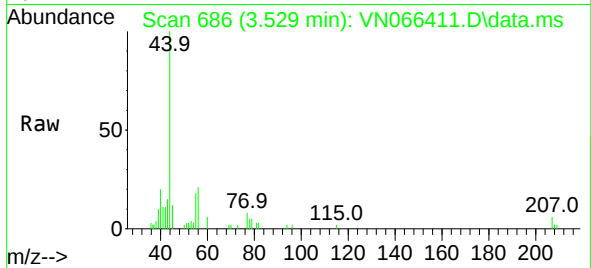




#13
Acrolein
Concen: Below Cal
RT: 3.529 min Scan# 686
Delta R.T. 0.000 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

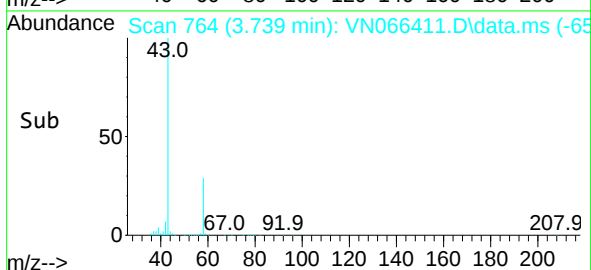
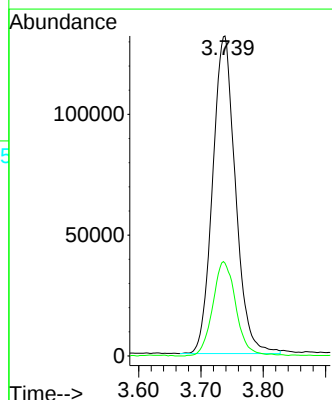
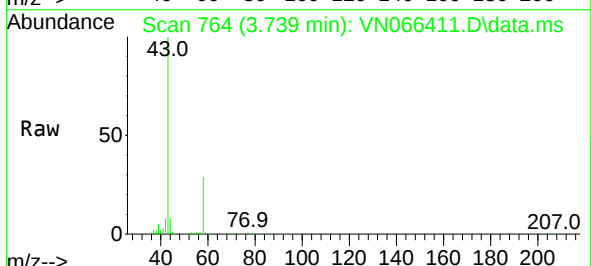
Instrument :
MSVOA_N
ClientSampleId :
IG002

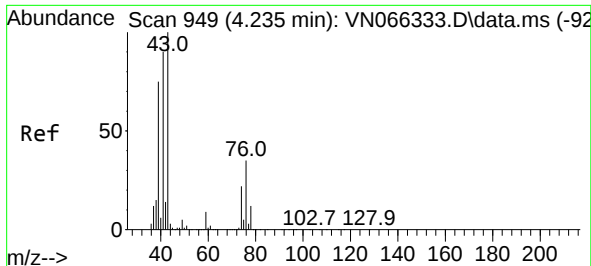
Tgt Ion: 56 Resp: 4226
Ion Ratio Lower Upper
56 100
55 59.5 57.9 86.9



#16
Acetone
Concen: 112.47 ug/l
RT: 3.739 min Scan# 764
Delta R.T. 0.003 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion: 43 Resp: 334382
Ion Ratio Lower Upper
43 100
58 29.2 23.8 35.8

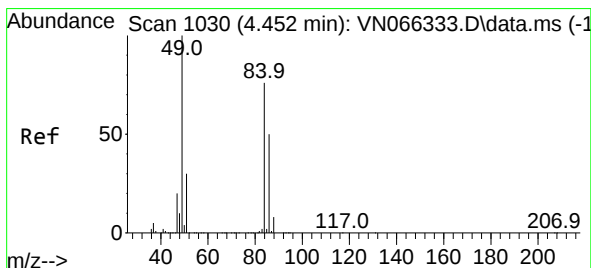
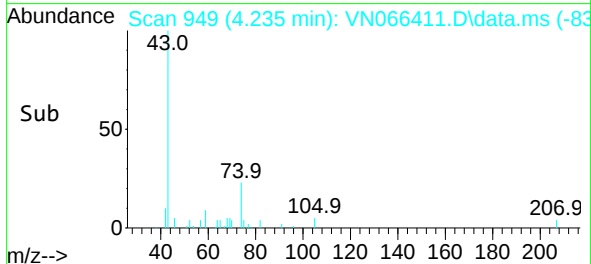
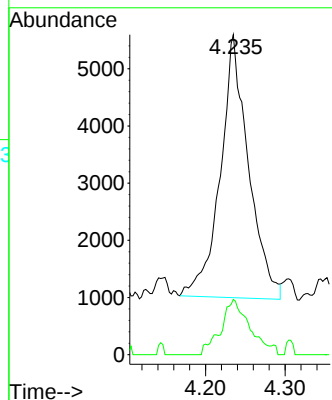
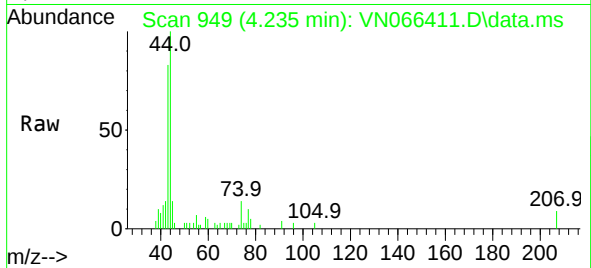




#18
Methyl Acetate
Concen: 1.46 ug/l
RT: 4.235 min Scan# 949
Delta R.T. 0.000 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

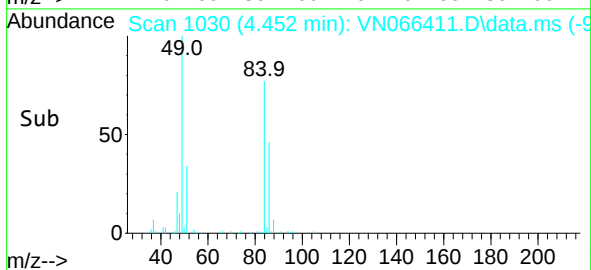
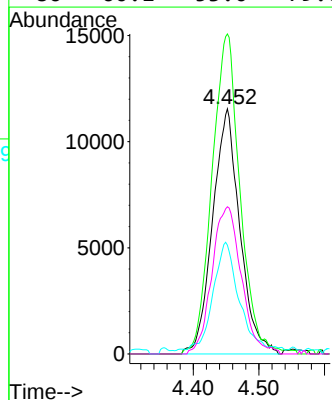
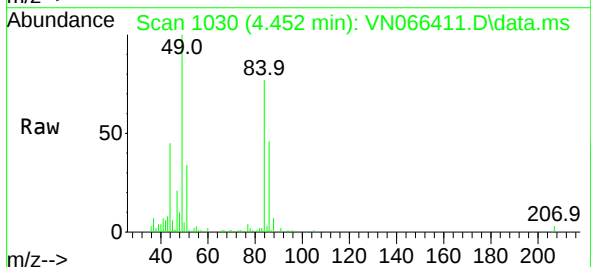
Instrument :
MSVOA_N
ClientSampleId :
IG002

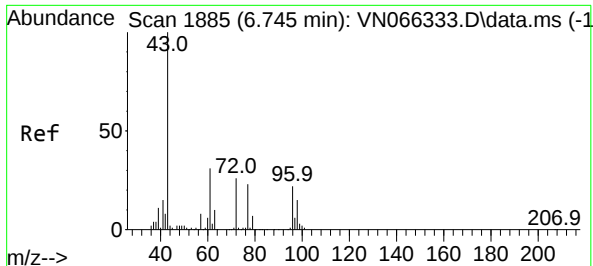
Tgt Ion: 43 Resp: 11326
Ion Ratio Lower Upper
43 100
74 21.0 17.6 26.4



#20
Methylene Chloride
Concen: 5.15 ug/l
RT: 4.452 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion: 84 Resp: 33227
Ion Ratio Lower Upper
84 100
49 130.6 105.0 157.6
51 42.4 31.6 47.4
86 60.1 53.0 79.6



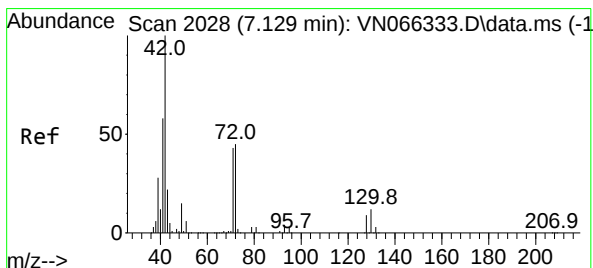
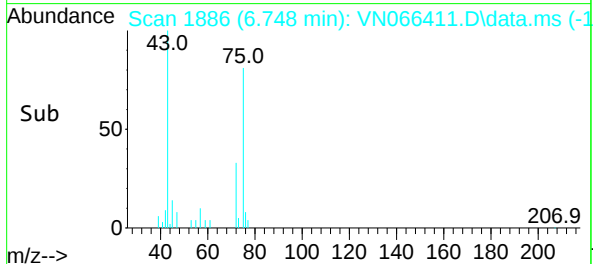
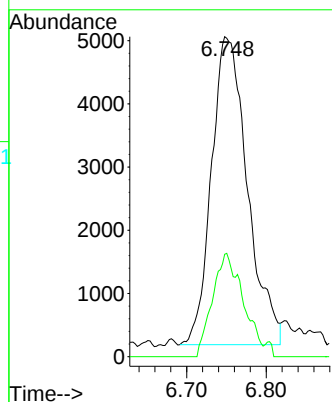
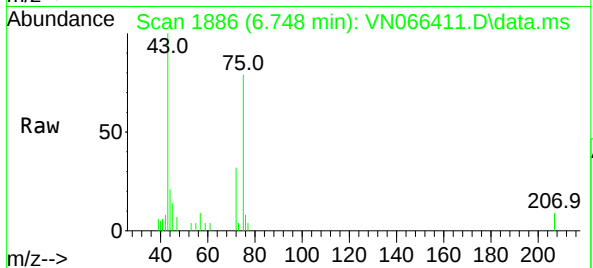


#25

2-Butanone
Concen: 4.70 ug/l
RT: 6.748 min Scan# 1886
Delta R.T. 0.003 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Instrument :
MSVOA_N
ClientSampled :
IG002

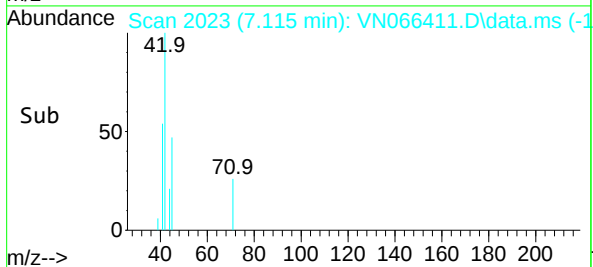
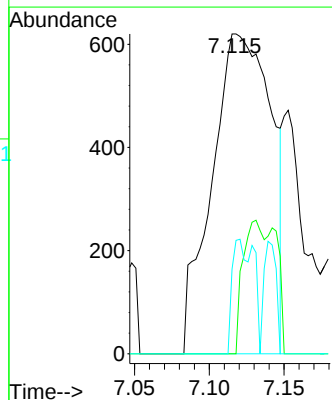
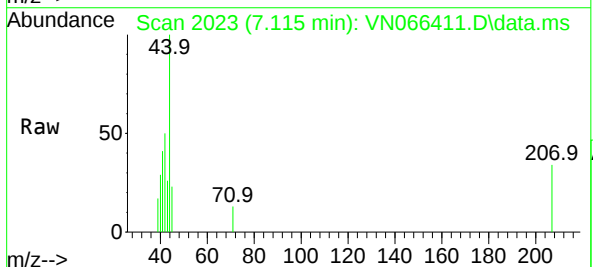
Tgt Ion: 43 Resp: 15265
Ion Ratio Lower Upper
43 100
72 33.3 20.7 31.1#

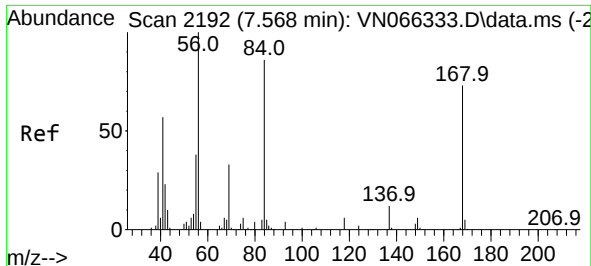


#29

Tetrahydrofuran
Concen: 0.81 ug/l
RT: 7.115 min Scan# 2023
Delta R.T. -0.013 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion: 42 Resp: 1712
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 12.9 33.1 49.7#

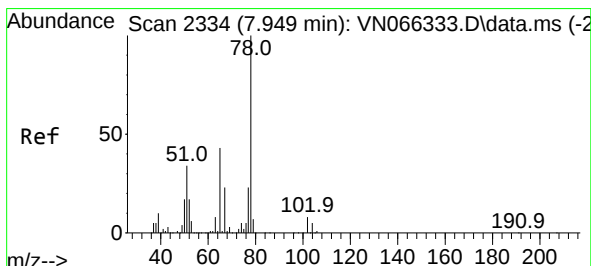
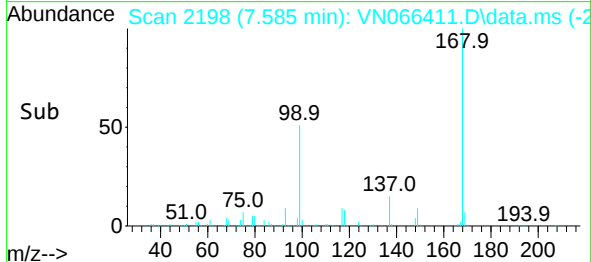
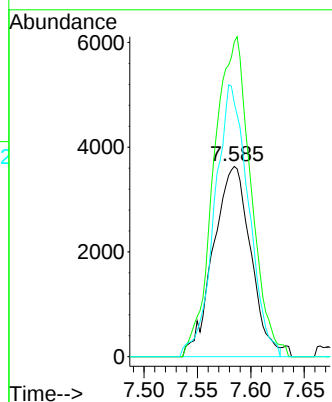
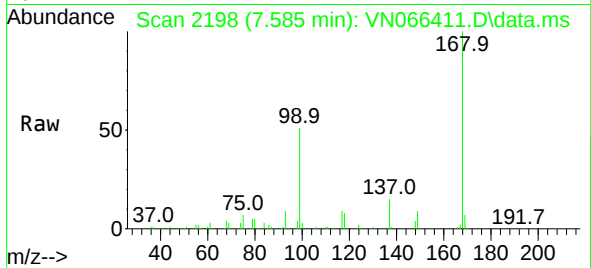




#31
Cyclohexane
Concen: 1.16 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. 0.016 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

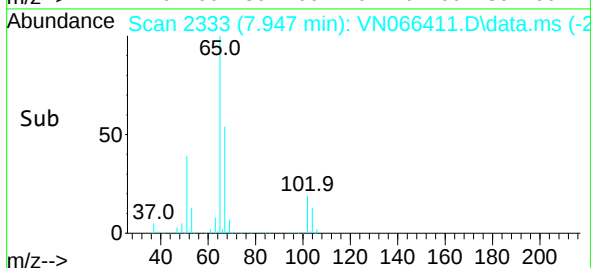
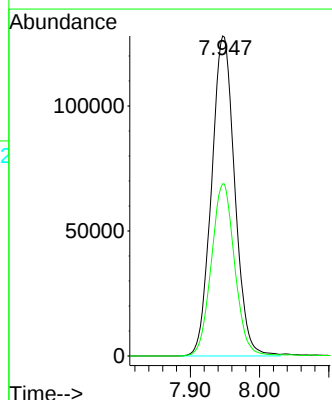
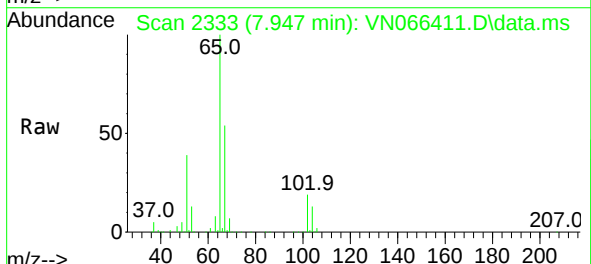
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ClientSampleId :
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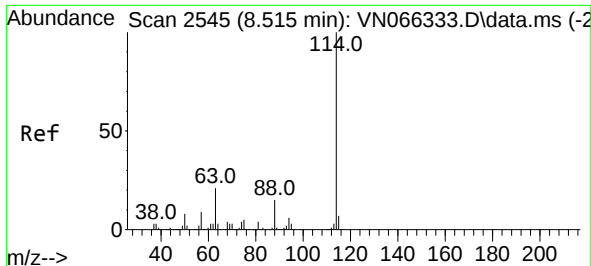
Tgt Ion: 56 Resp: 8805
Ion Ratio Lower Upper
56 100
69 165.4 26.6 40.0#
84 133.4 68.7 103.1#



#33
1,2-Dichloroethane-d4
Concen: 54.17 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. -0.002 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion: 65 Resp: 298083
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.2

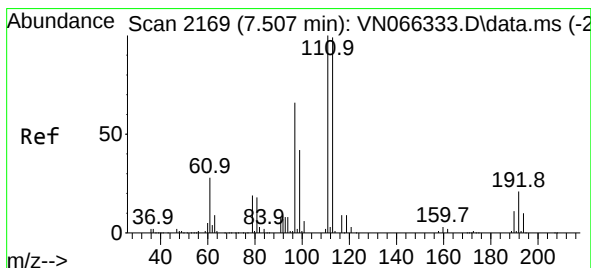
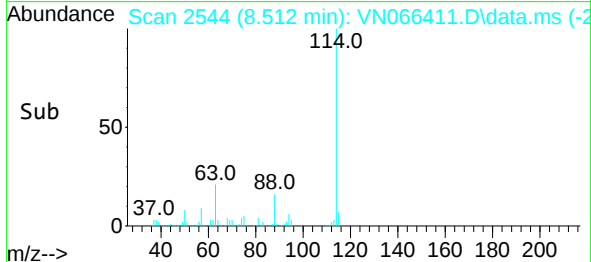
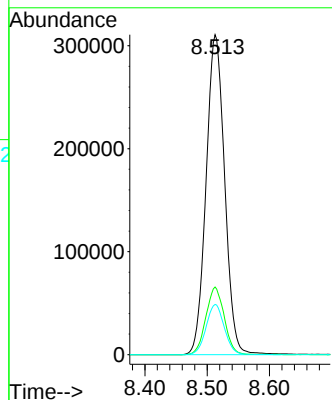
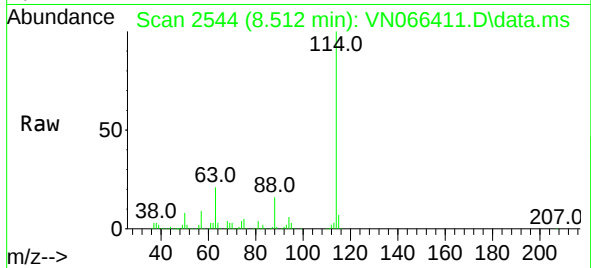




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. -0.003 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

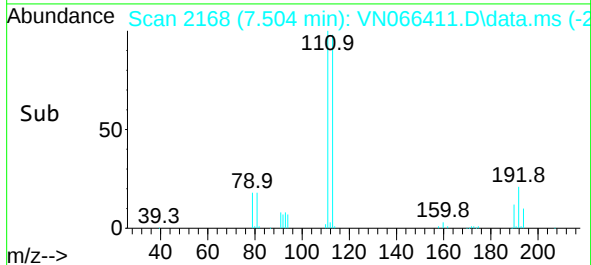
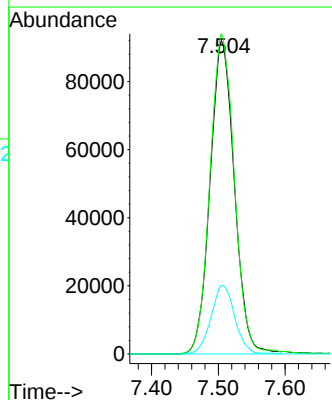
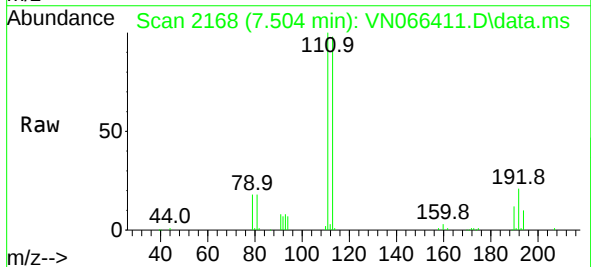
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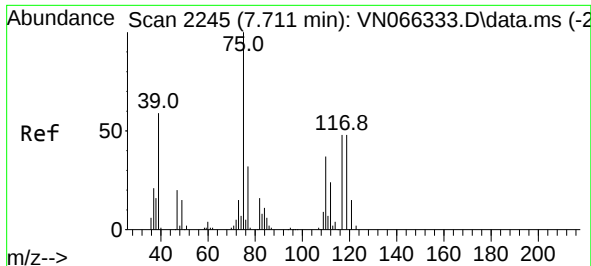
Tgt Ion:	114	Resp:	643569
Ion Ratio	Lower	Upper	
114	100		
63	21.2	0.0	42.0
88	15.7	0.0	31.0



#35
Dibromofluoromethane
Concen: 54.55 ug/l
RT: 7.504 min Scan# 2168
Delta R.T. -0.003 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion:	113	Resp:	232716
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.8	122.8
192	21.4	17.1	25.7

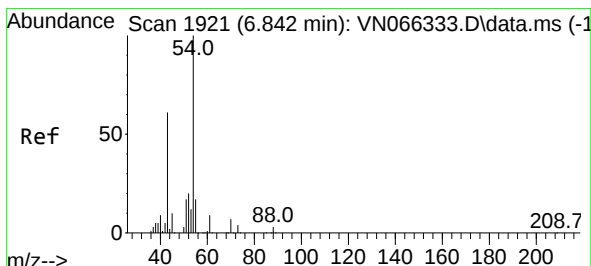
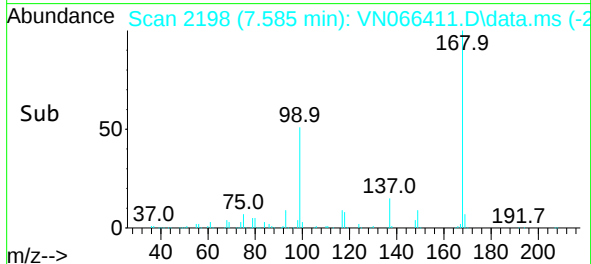
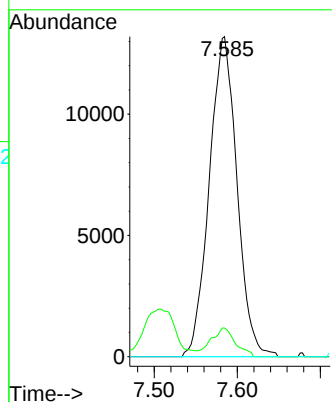
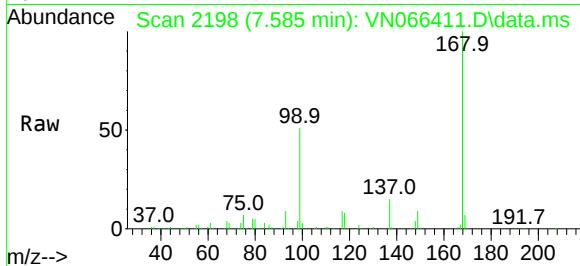




#36
1,1-Dichloropropene
Concen: 5.05 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

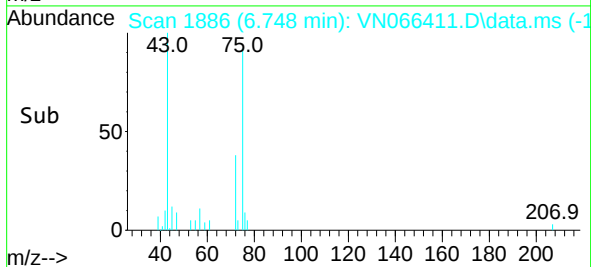
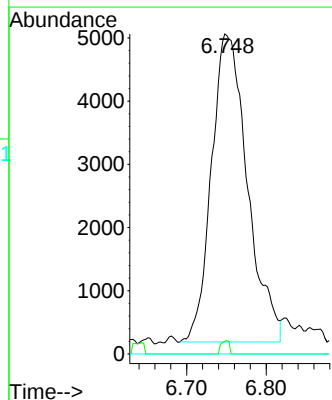
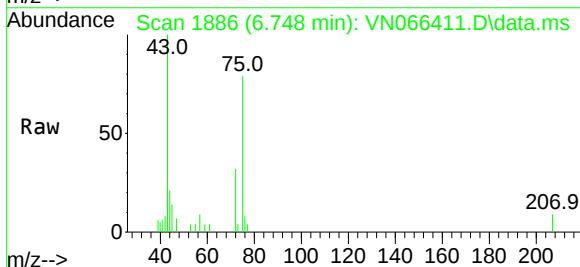
Instrument :
MSVOA_N
ClientSampled :
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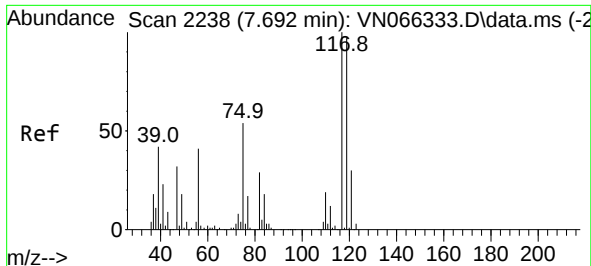
Tgt Ion: 75 Resp: 30554
Ion Ratio Lower Upper
75 100
110 7.9 18.1 54.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 2.29 ug/l
RT: 6.748 min Scan# 1886
Delta R.T. -0.094 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

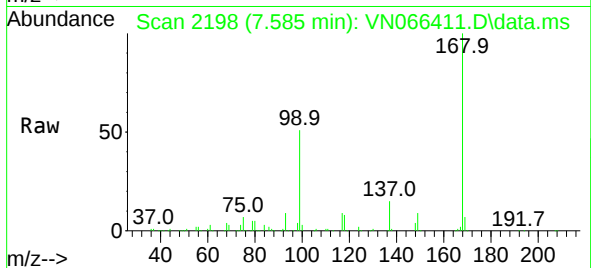
Tgt Ion: 43 Resp: 15265
Ion Ratio Lower Upper
43 100
61 1.0 11.1 16.7#
70 0.0 8.0 12.0#



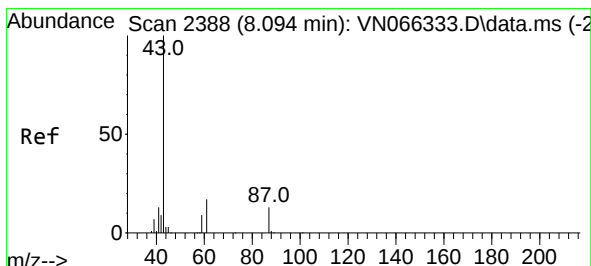
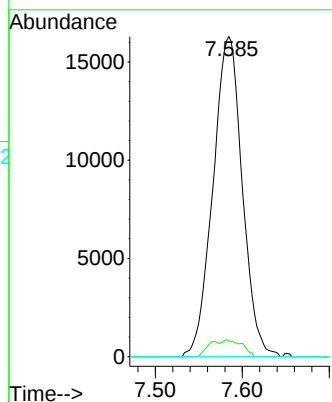
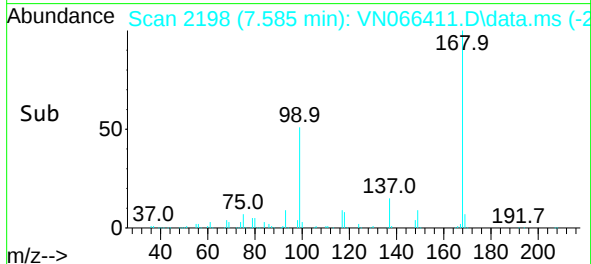


#38
Carbon Tetrachloride
Concen: 6.27 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.107 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

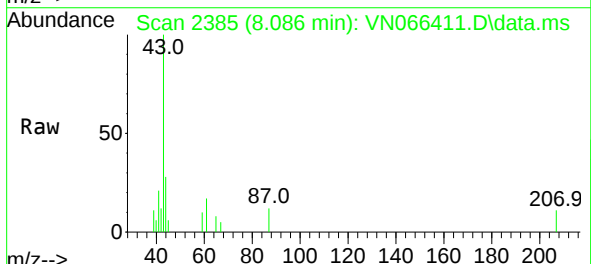
Instrument :
MSVOA_N
ClientSampled :
IG002



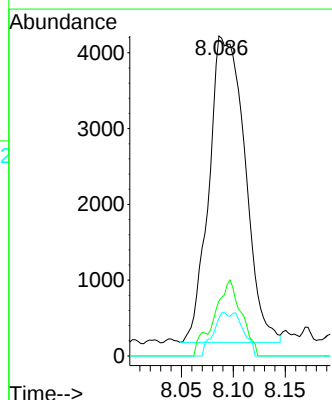
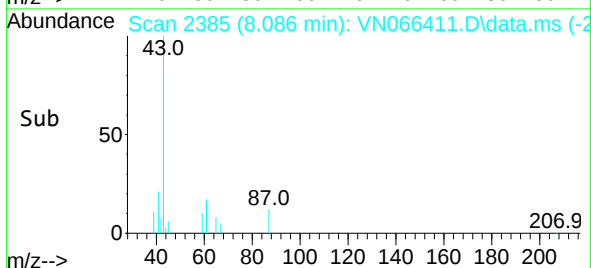
Tgt Ion:117 Resp: 38112
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 24.2 36.4#

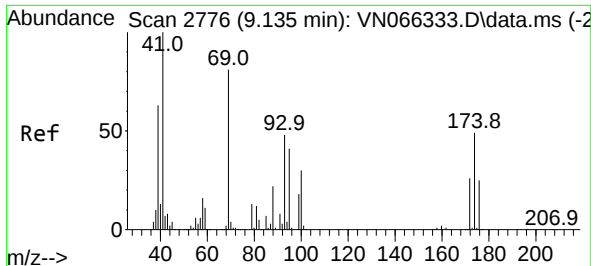


#43
Isopropyl Acetate
Concen: 0.85 ug/l
RT: 8.086 min Scan# 2385
Delta R.T. -0.008 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29



Tgt Ion: 43 Resp: 9701
Ion Ratio Lower Upper
43 100
61 18.9 15.5 23.3
87 6.6 10.5 15.7#

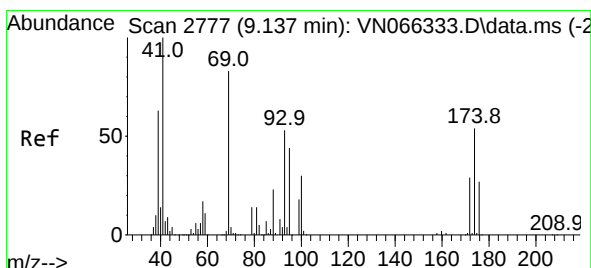
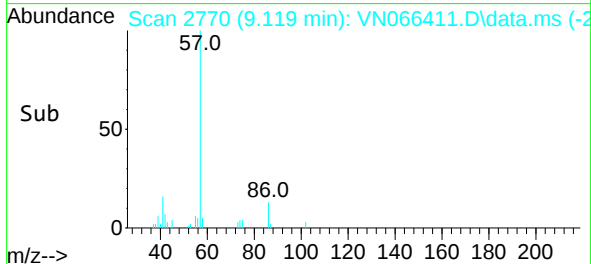
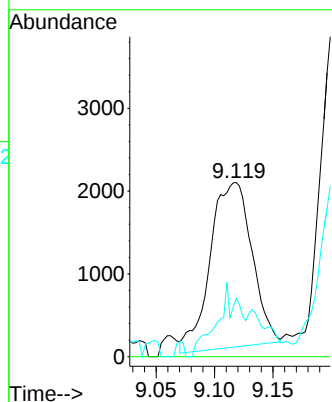
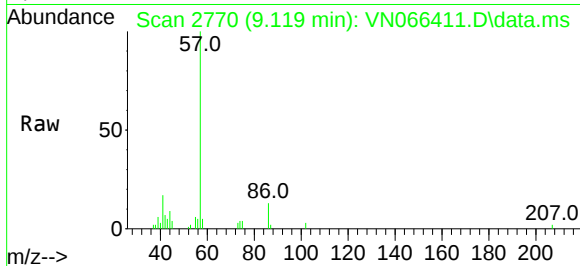




#48
Methyl methacrylate
Concen: 0.92 ug/l
RT: 9.119 min Scan# 2770
Delta R.T. -0.016 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

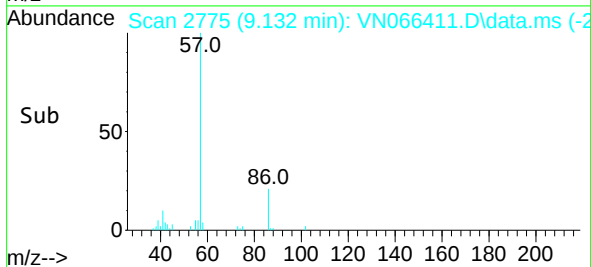
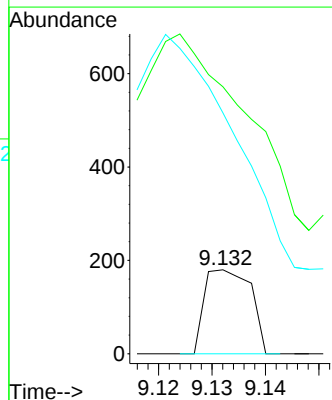
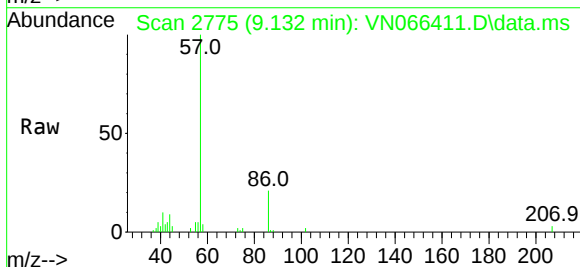
Instrument :
MSVOA_N
ClientSampled :
IG002

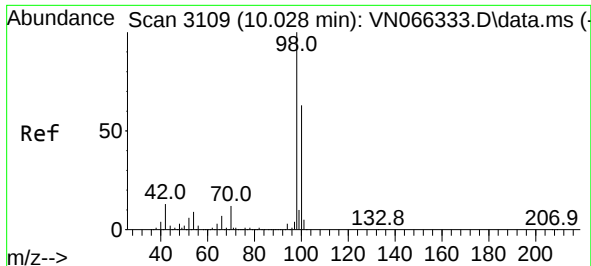
Tgt Ion: 41 Resp: 4953
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 16.6 51.5 77.3#



#49
1,4-Dioxane
Concen: 1.59 ug/l
RT: 9.132 min Scan# 2775
Delta R.T. -0.005 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 1371.3 56.6 84.8#

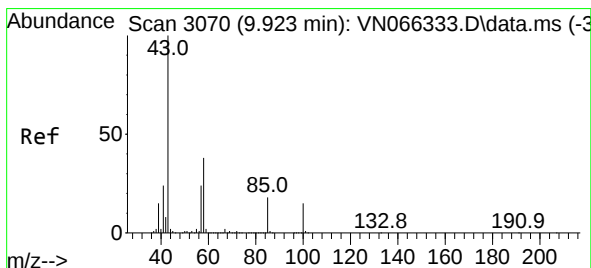
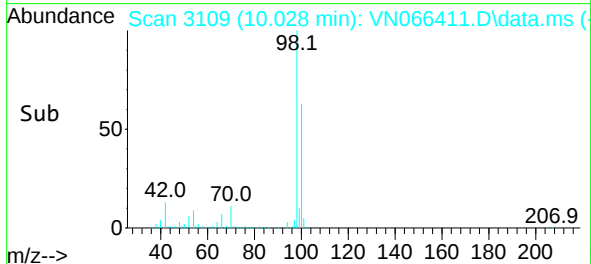
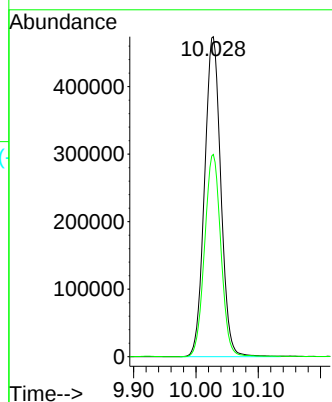
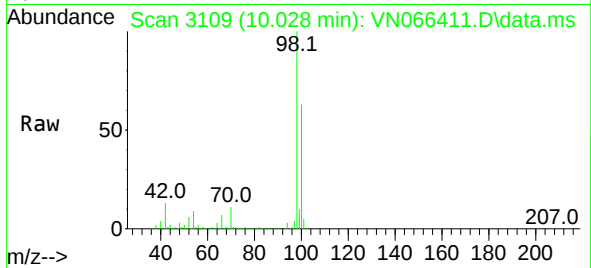




#50
Toluene-d8
Concen: 53.08 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

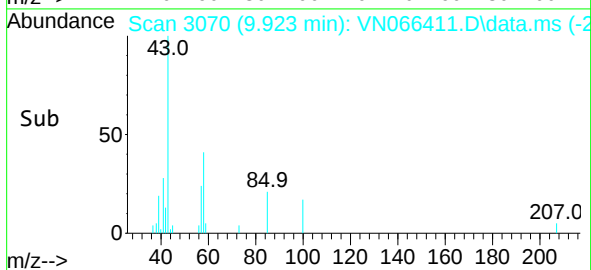
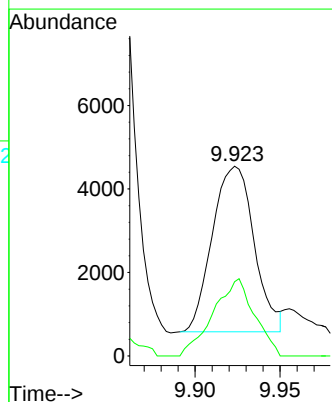
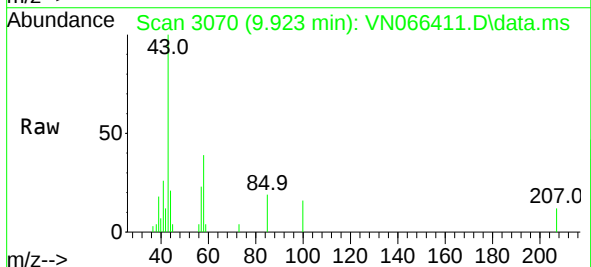
Instrument :
MSVOA_N
ClientSampled :
IG002

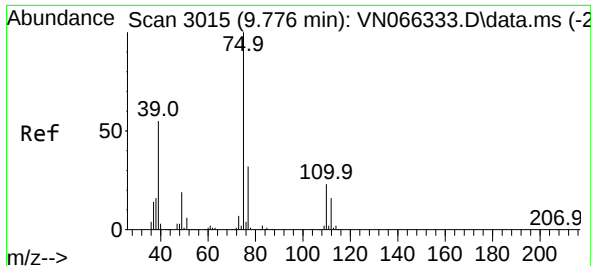
Tgt Ion: 98 Resp: 858981
Ion Ratio Lower Upper
98 100
100 63.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.02 ug/l
RT: 9.923 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

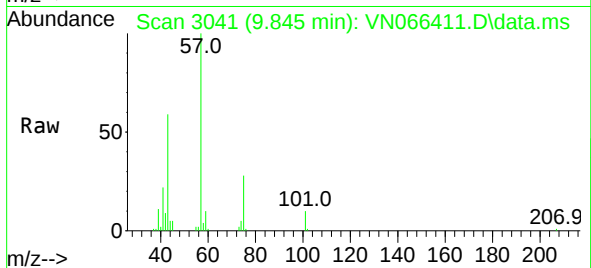
Tgt Ion: 43 Resp: 6790
Ion Ratio Lower Upper
43 100
58 45.8 30.8 46.2



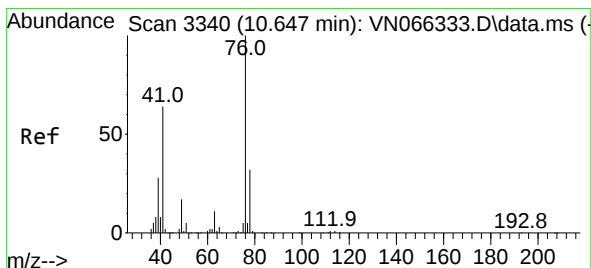
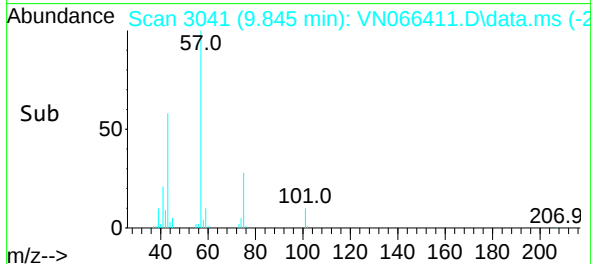
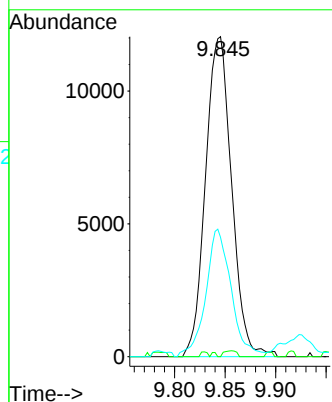


#54
 cis-1,3-Dichloropropene
 Concen: 2.82 ug/l
 RT: 9.845 min Scan# 3041
 Delta R.T. 0.070 min
 Lab File: VN066411.D
 Acq: 30 Mar 2021 5:29

Instrument :
 MSVOA_N
 ClientSampleId :
 IG002

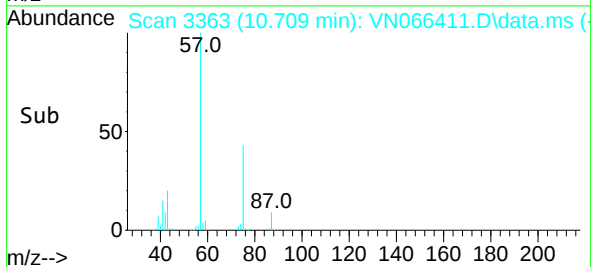
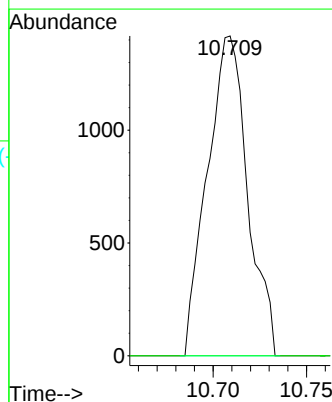
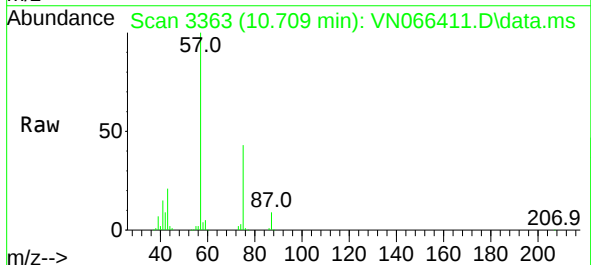


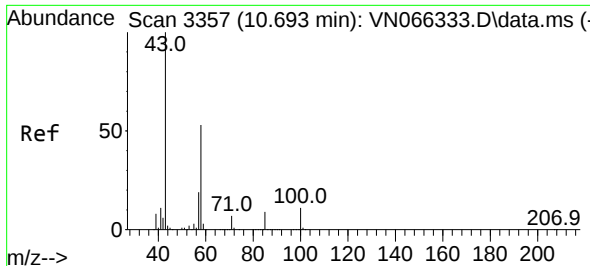
Tgt Ion: 75 Resp: 21660
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 36.0 44.2 66.4#



#57
 1,3-Dichloropropane
 Concen: 0.29 ug/l
 RT: 10.709 min Scan# 3363
 Delta R.T. 0.062 min
 Lab File: VN066411.D
 Acq: 30 Mar 2021 5:29

Tgt Ion: 76 Resp: 2135
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#

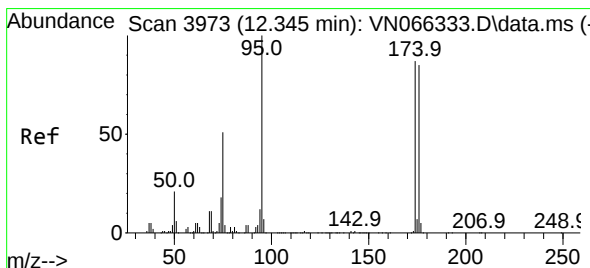
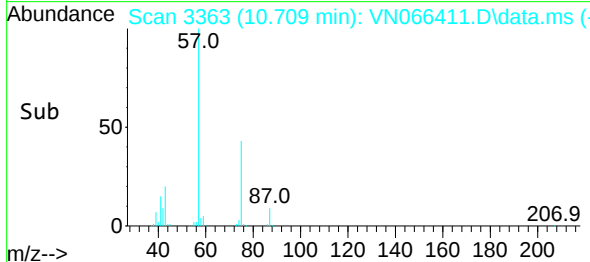
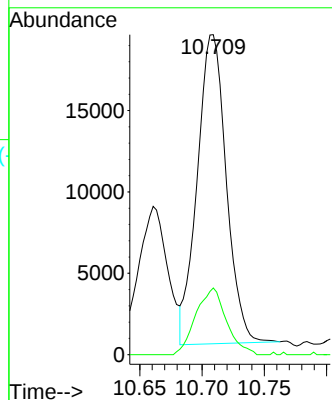
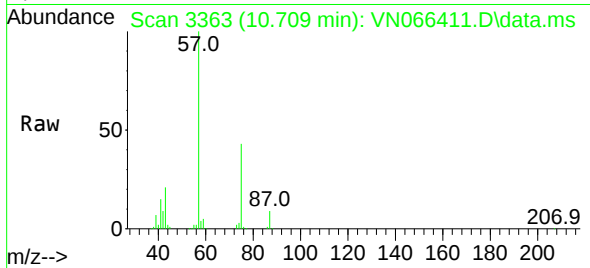




#59
2-Hexanone
Concen: 6.61 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.016 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

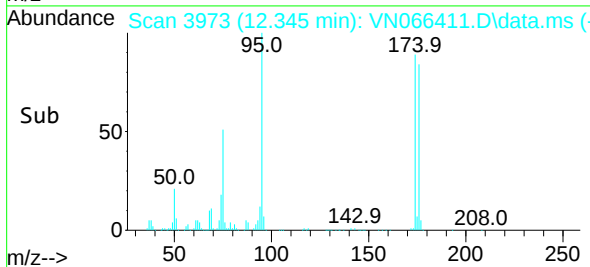
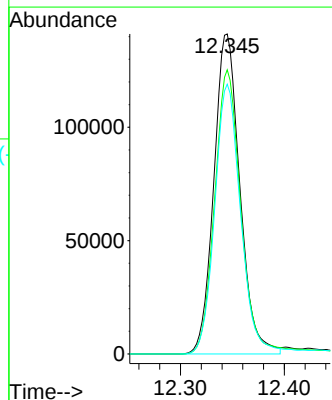
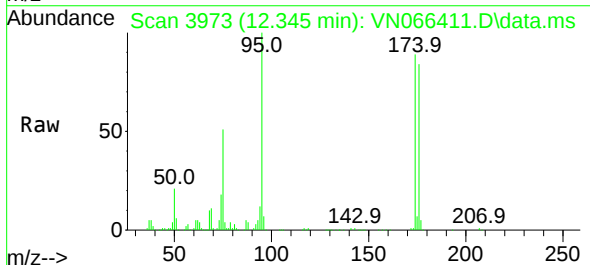
Instrument :
MSVOA_N
ClientSampleId :
IG002

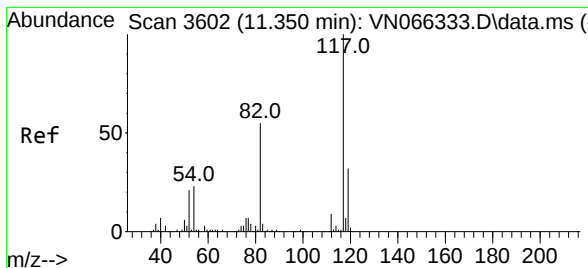
Tgt Ion: 43 Resp: 30795
Ion Ratio Lower Upper
43 100
58 22.6 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 43.73 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.000 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion: 95 Resp: 245780
Ion Ratio Lower Upper
95 100
174 91.4 0.0 172.2
176 84.5 0.0 167.8

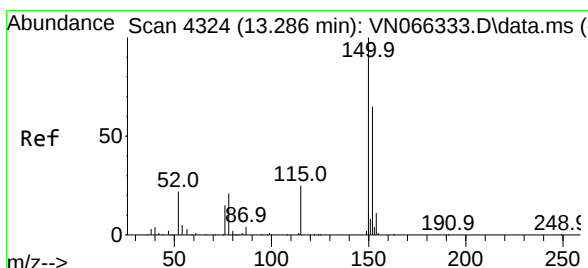
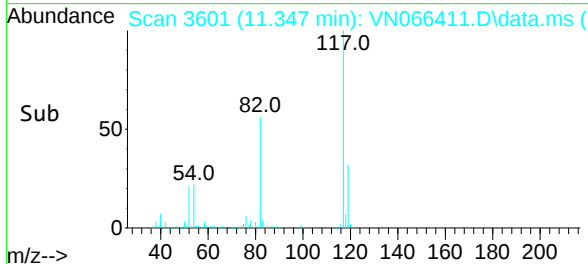
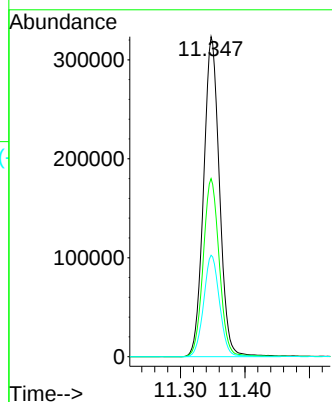
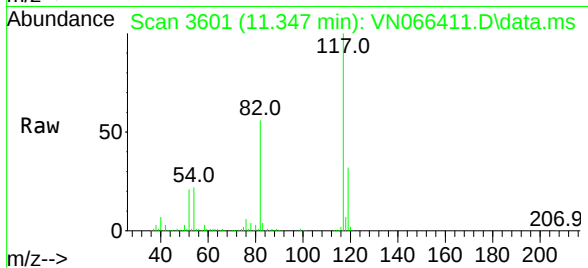




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.347 min Scan# 3601
Delta R.T. -0.003 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

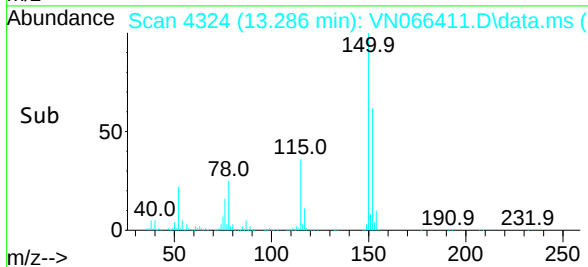
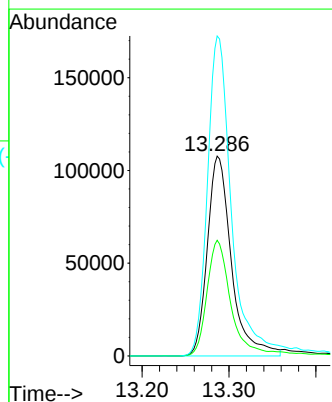
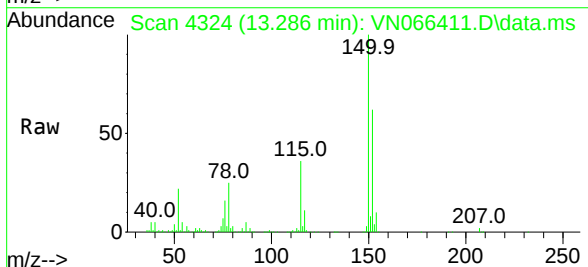
Instrument :
MSVOA_N
ClientSampleId :
IG002

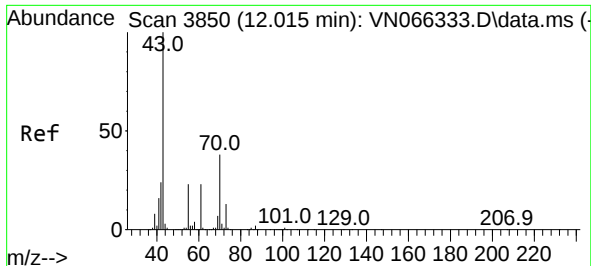
Tgt Ion:	117	Resp:	552699
Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.4
119	31.7	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion:	152	Resp:	208079
Ion	Ratio	Lower	Upper
152	100		
115	58.6	27.8	83.4
150	159.8	0.0	348.4



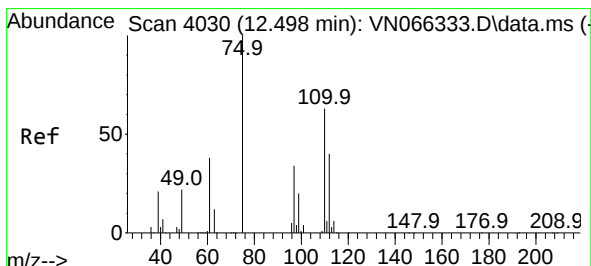
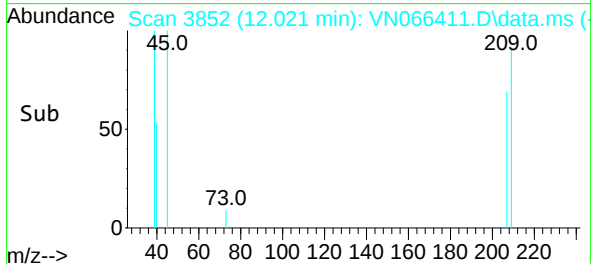
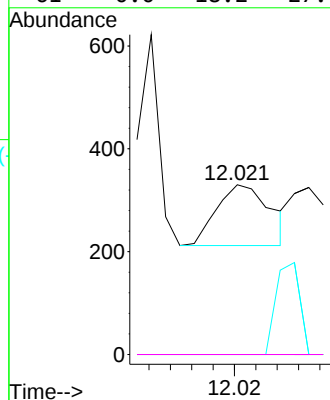
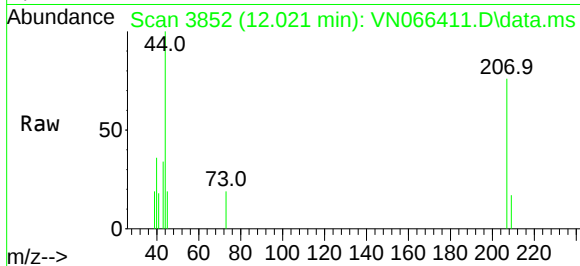


#74
N-amy1 acetate
Concen: 3.21 ug/l
RT: 12.021 min Scan# 3852
Delta R.T. 0.006 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Instrument :
MSVOA_N
ClientSampled :
IG002

Tgt Ion: 43 Resp: 82

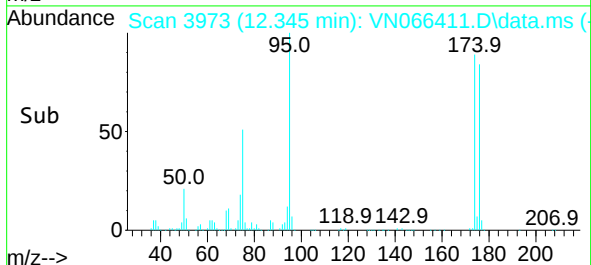
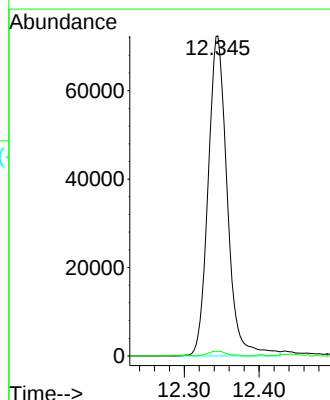
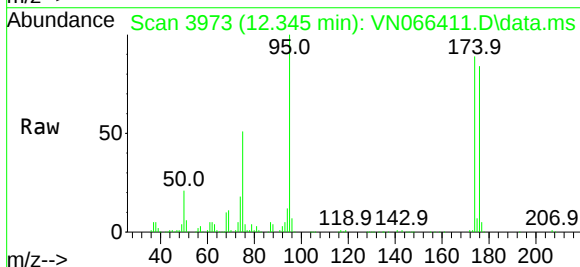
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.2	46.8#
55	0.0	18.6	28.0#
61	0.0	18.2	27.4#

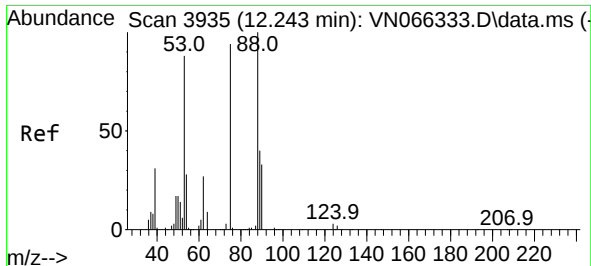


#76
1,2,3-Trichloropropane
Concen: 28.19 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion: 75 Resp: 128722

Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#

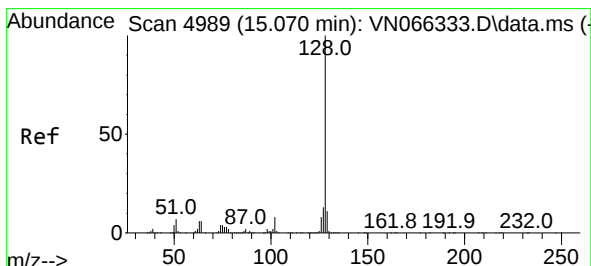
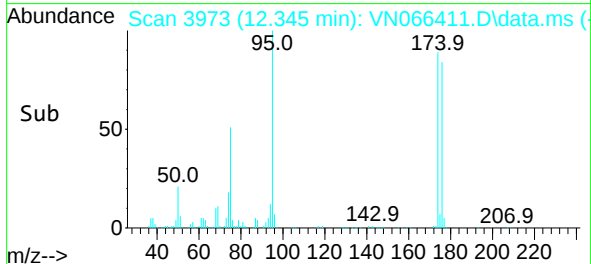
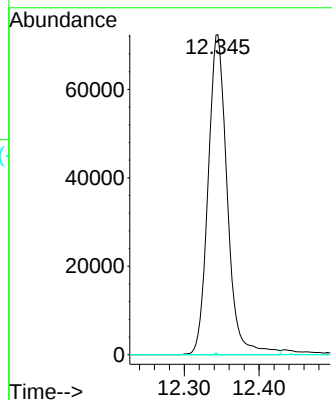
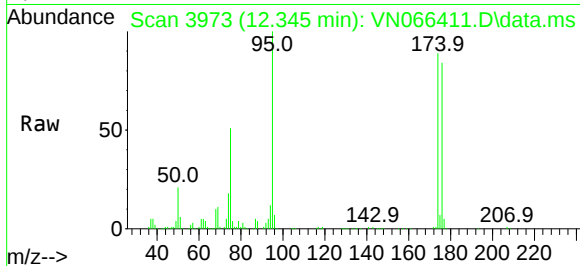




#81
trans-1,4-Dichloro-2-butene
Concen: 84.78 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Instrument :
MSVOA_N
ClientSampled :
IG002

Tgt Ion: 75 Resp: 128722
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.1 35.7 53.5#



#95
Naphthalene
Concen: 1.07 ug/l
RT: 15.081 min Scan# 4993
Delta R.T. 0.011 min
Lab File: VN066411.D
Acq: 30 Mar 2021 5:29

Tgt Ion: 128 Resp: 274
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#

