

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040721\
 Data File : VN066523.D
 Acq On : 7 Apr 2021 22:07
 Operator : JC/MD
 Sample : PB135583ZH#12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 08 02:00:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 15:38:34 2021
 Response via : Initial Calibration

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

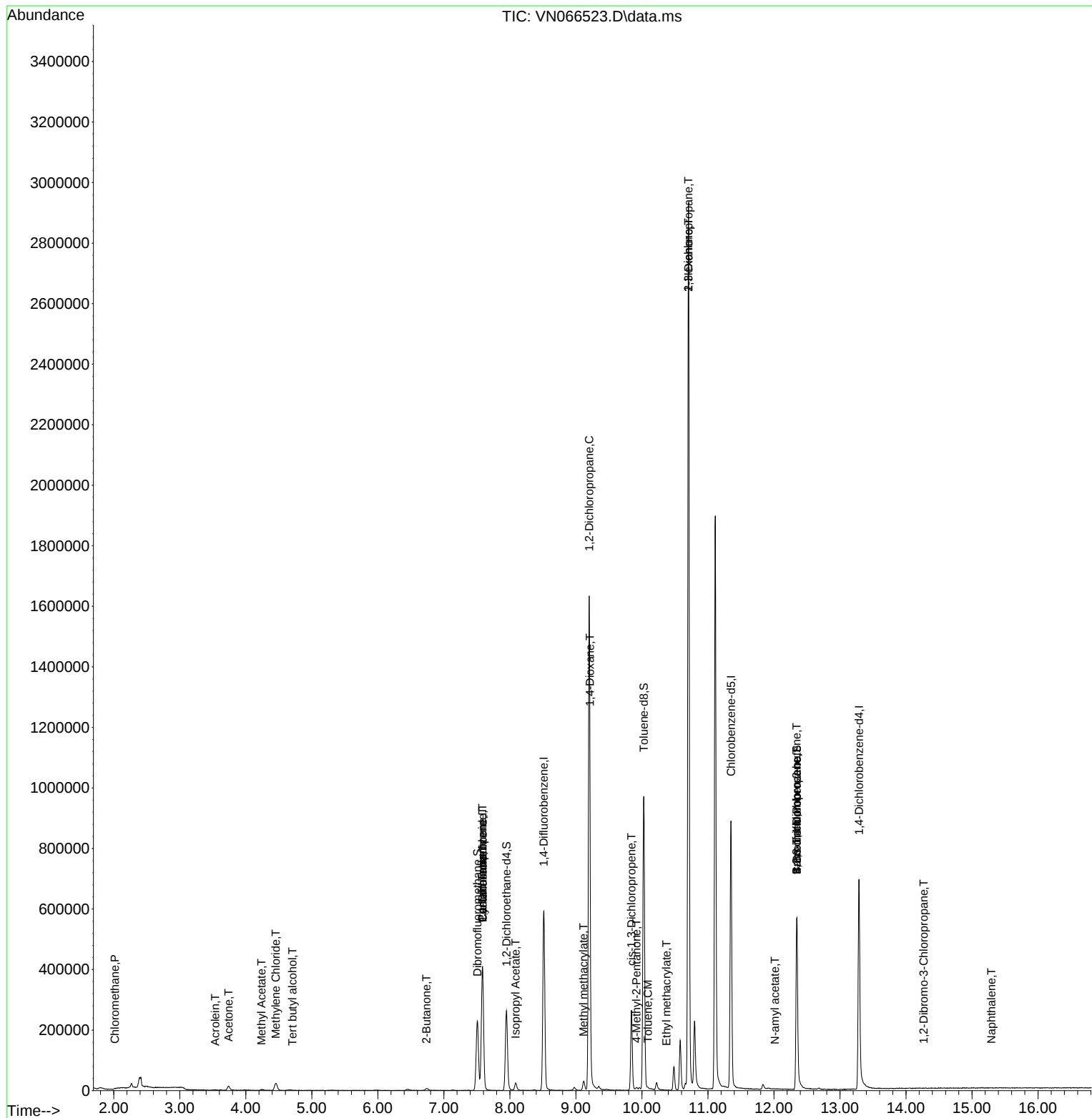
Internal Standards						
1) Pentafluorobenzene	7.587	168	347282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	524244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	510511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	219440	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	219603	48.02	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.04%		
35) Dibromofluoromethane	7.509	113	175462	49.11	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.22%		
50) Toluene-d8	10.028	98	671457	49.46	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.92%		
62) 4-Bromofluorobenzene	12.348	95	209836	47.66	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.32%		
Target Compounds					Qvalue	
3) Chloromethane	2.017	50	1211	0.24	ug/l #	57
11) Tert butyl alcohol	4.707	59	193	0.26	ug/l #	85
13) Acrolein	3.540	56	1165	6.53	ug/l #	61
16) Acetone	3.738	43	23033	12.02	ug/l	98
18) Methyl Acetate	4.237	43	5493	1.15	ug/l #	77
20) Methylene Chloride	4.454	84	17574	4.27	ug/l	87
25) 2-Butanone	6.737	43	6372	2.22	ug/l	96
31) Cyclohexane	7.587	56	7018	1.12	ug/l #	10
36) 1,1-Dichloropropene	7.584	75	25212	4.95	ug/l #	48
38) Carbon Tetrachloride	7.584	117	31177	6.04	ug/l #	17
43) Isopropyl Acetate	8.086	43	30359	3.11	ug/l	97
45) 1,2-Dichloropropane	9.202	63	2072	0.49	ug/l #	43
48) Methyl methacrylate	9.116	41	7299	1.68	ug/l #	12
49) 1,4-Dioxane	9.212	88	26	0.44	ug/l #	1
51) 4-Methyl-2-Pentanone	9.918	43	5399	0.93	ug/l	97
52) Toluene	10.092	92	2078	0.21	ug/l	85
54) cis-1,3-Dichloropropene	9.843	75	48263	7.42	ug/l #	59
56) Ethyl methacrylate	10.371	69	98	3.73	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	28815	4.41	ug/l #	42
59) 2-Hexanone	10.706	43	407387	98.27	ug/l #	53
71) Bromoform	12.345	173	2271	0.70	ug/l #	1
74) N-amyl acetate	12.015	43	256	12.76	ug/l #	15
76) 1,2,3-Trichloropropane	12.345	75	105109	21.23	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	105109	59.29	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.268	75	94	0.42	ug/l #	1
95) Naphthalene	15.292	128	380	2.00	ug/l #	69

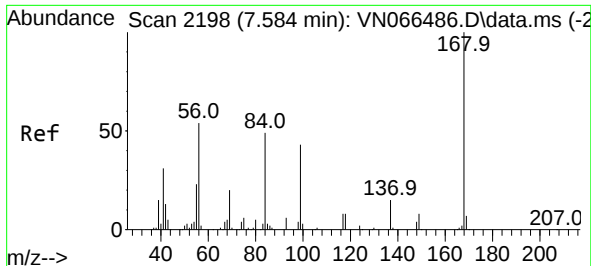
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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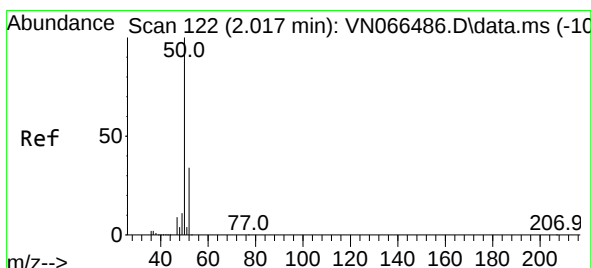
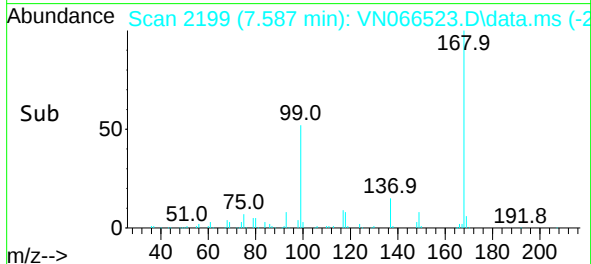
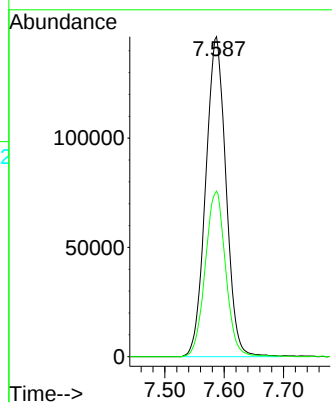
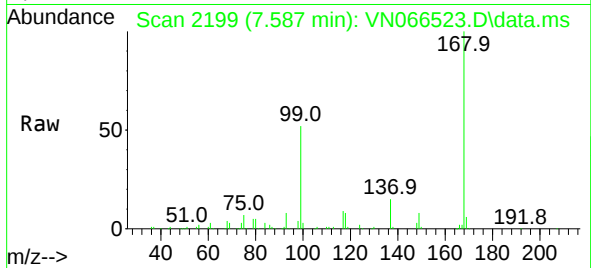




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

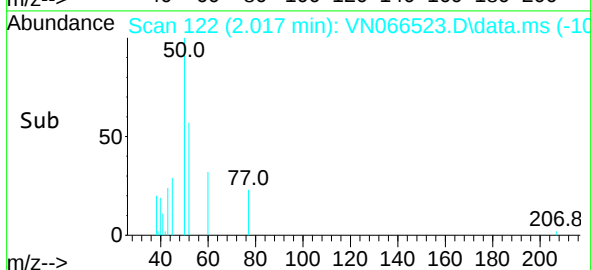
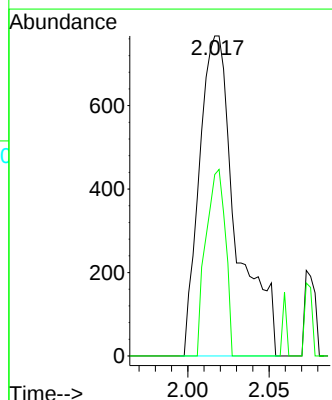
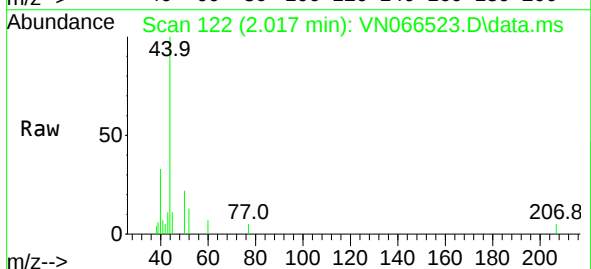
Instrument :
MSVOA_N
ClientSampled :

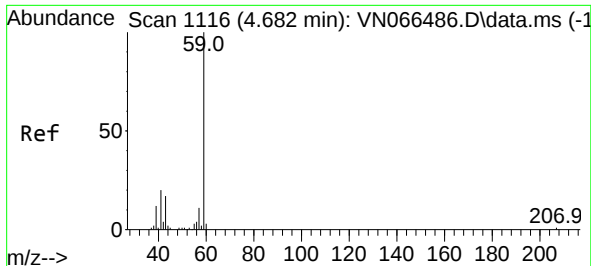
Tgt Ion:168 Resp: 347282
Ion Ratio Lower Upper
168 100
99 51.7 41.1 61.7



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

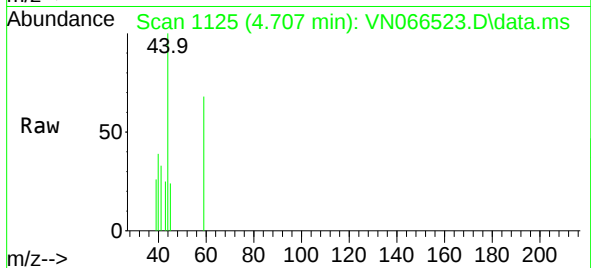
Tgt Ion: 50 Resp: 1211
Ion Ratio Lower Upper
50 100
52 56.7 26.2 39.2#



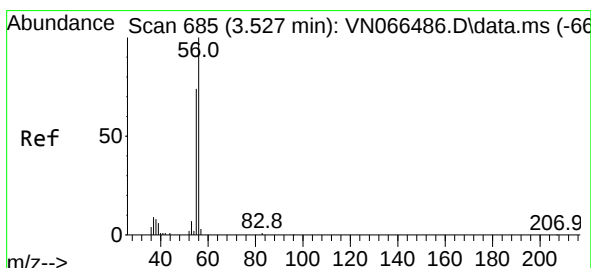
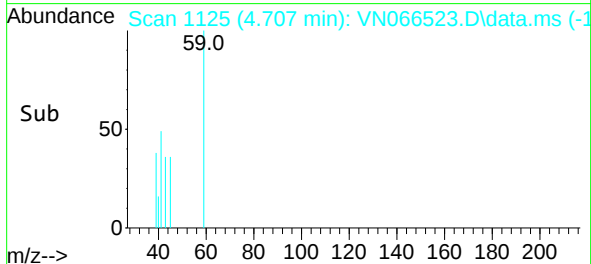


#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 4.707 min Scan# 1125
Delta R.T. 0.025 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Instrument :
MSVOA_N
ClientSampled :

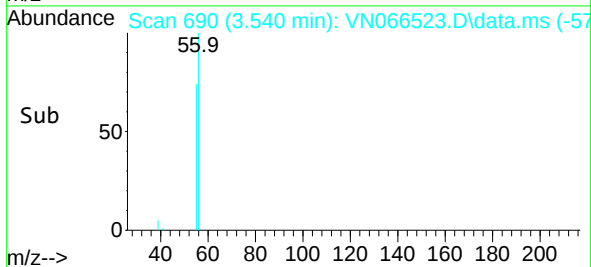
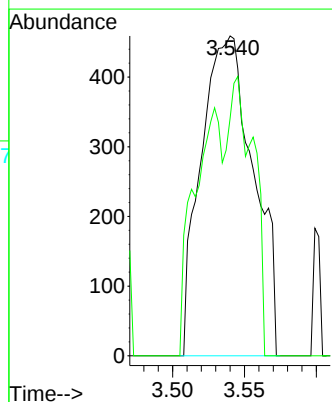
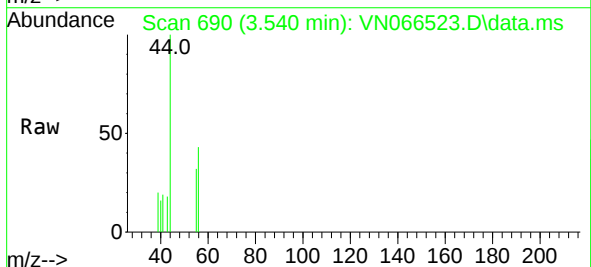


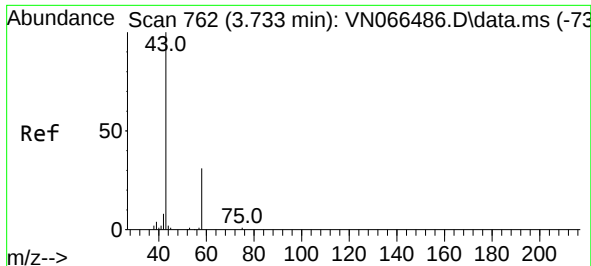
Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#



#13
Acrolein
Concen: 6.53 ug/l
RT: 3.540 min Scan# 690
Delta R.T. 0.013 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Tgt Ion: 56 Resp: 1165
Ion Ratio Lower Upper
56 100
55 40.0 57.9 86.9#

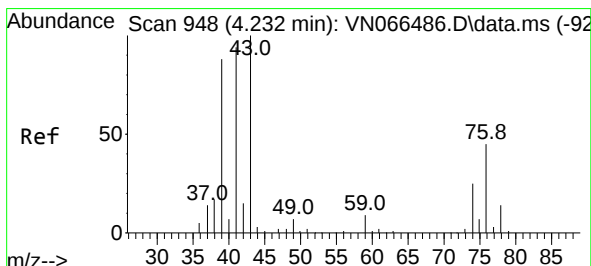
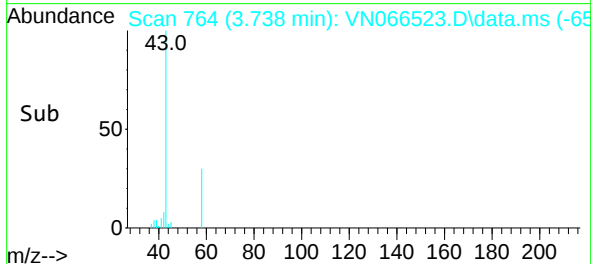
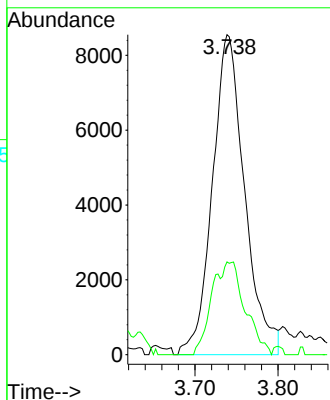
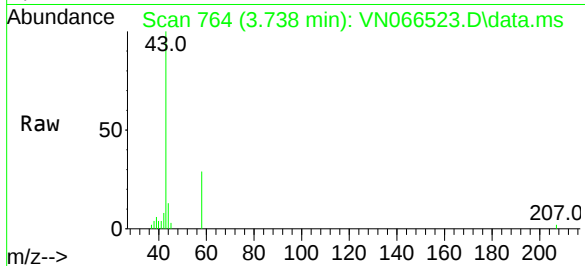




#16
Acetone
Concen: 12.02 ug/l
RT: 3.738 min Scan# 764
Delta R.T. 0.005 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

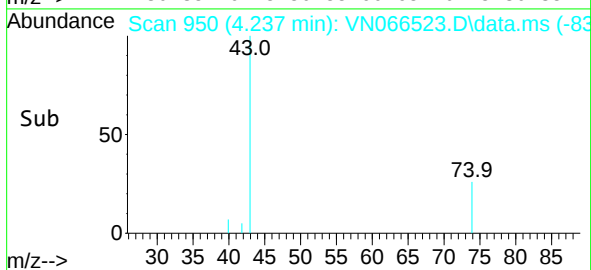
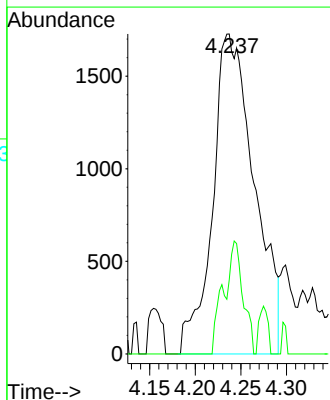
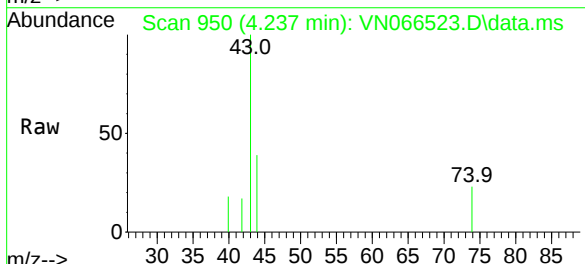
Instrument :
MSVOA_N
ClientSampleId :

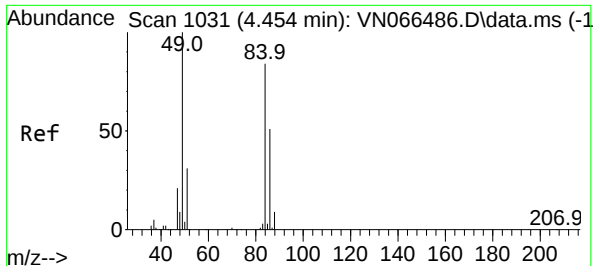
Tgt Ion: 43 Resp: 23033
Ion Ratio Lower Upper
43 100
58 29.0 23.8 35.8



#18
Methyl Acetate
Concen: 1.15 ug/l
RT: 4.237 min Scan# 950
Delta R.T. 0.005 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Tgt Ion: 43 Resp: 5493
Ion Ratio Lower Upper
43 100
74 11.3 17.6 26.4#





#20

Methylene Chloride

Concen: 4.27 ug/l

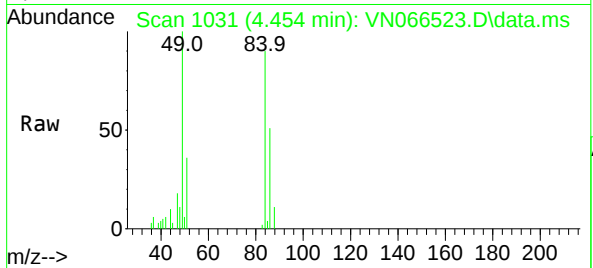
RT: 4.454 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN066523.D

Acq: 7 Apr 2021 22:07

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 17574

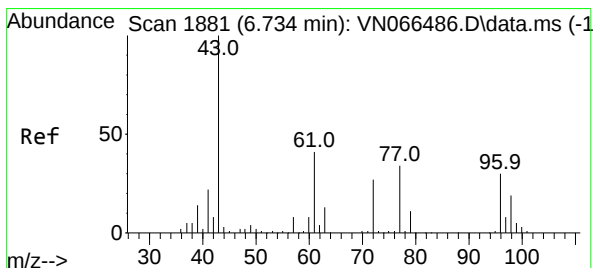
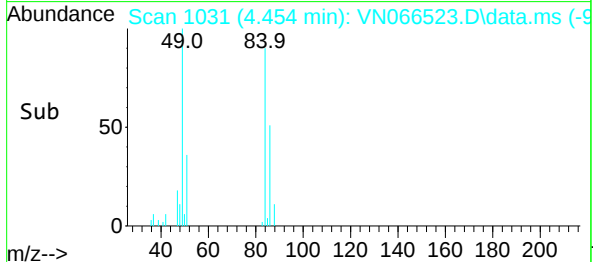
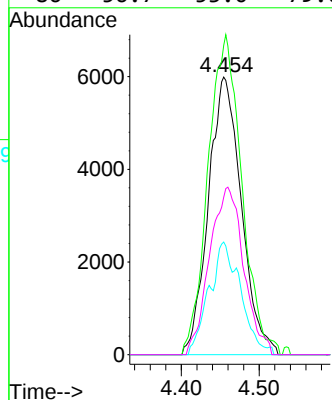
Ion Ratio Lower Upper

84 100

49 111.5 105.0 157.6

51 40.6 31.6 47.4

86 56.7 53.0 79.6



#25

2-Butanone

Concen: 2.22 ug/l

RT: 6.737 min Scan# 1882

Delta R.T. 0.003 min

Lab File: VN066523.D

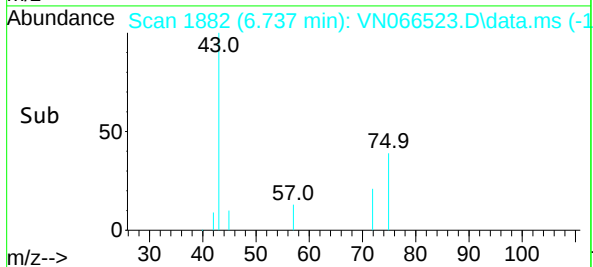
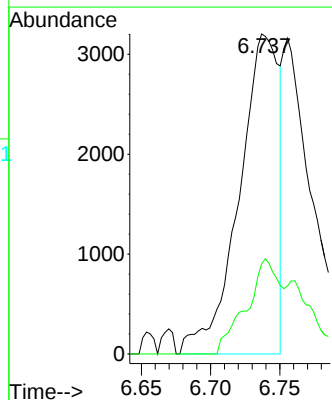
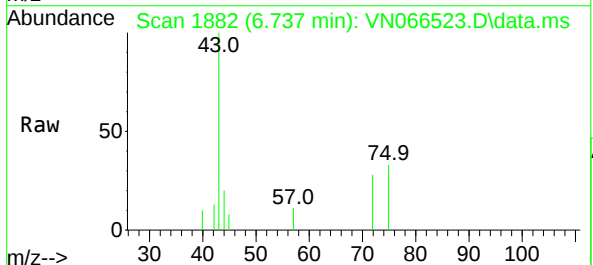
Acq: 7 Apr 2021 22:07

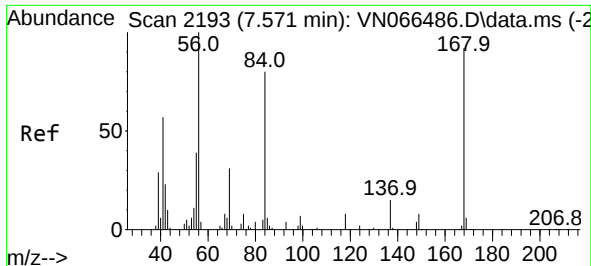
Tgt Ion: 43 Resp: 6372

Ion Ratio Lower Upper

43 100

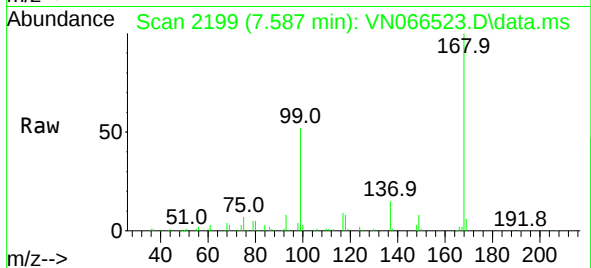
72 28.2 20.7 31.1



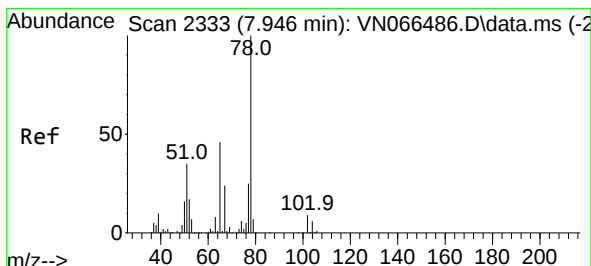
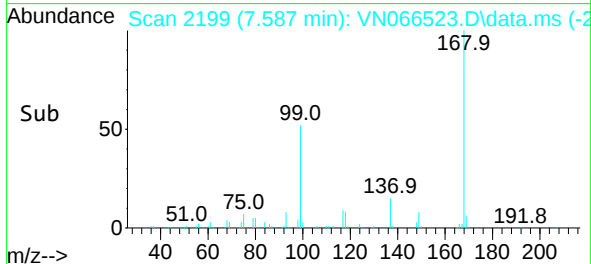
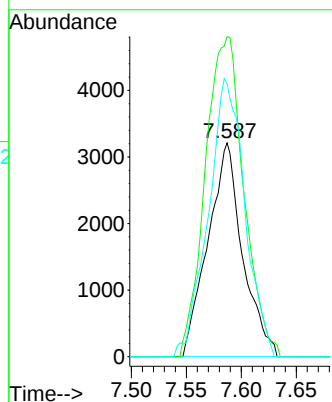


#31
Cyclohexane
Concen: 1.12 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.016 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Instrument :
MSVOA_N
ClientSampleId :

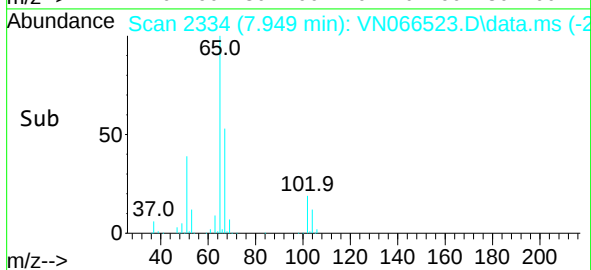
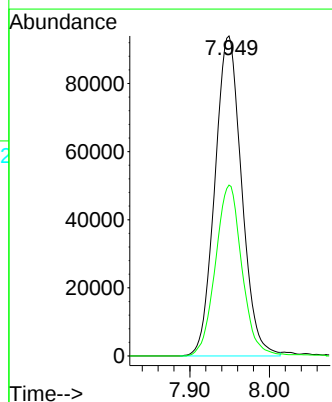
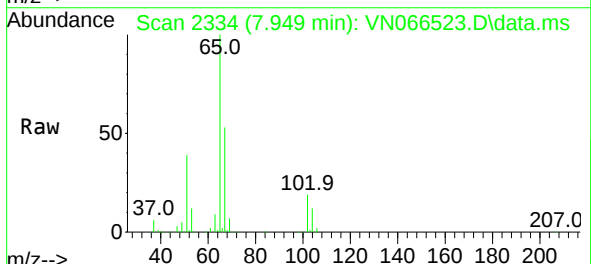


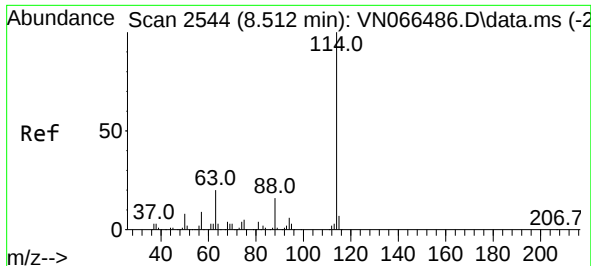
Tgt Ion: 56 Resp: 7018
Ion Ratio Lower Upper
56 100
69 149.7 26.6 40.0#
84 127.7 68.7 103.1#



#33
1,2-Dichloroethane-d4
Concen: 48.02 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Tgt Ion: 65 Resp: 219603
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.2

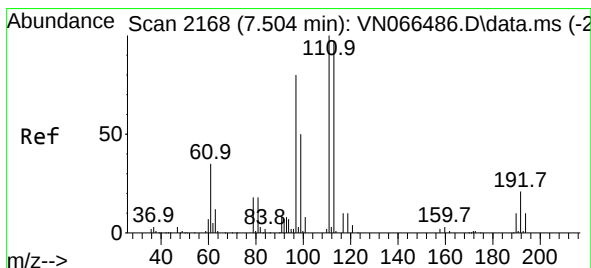
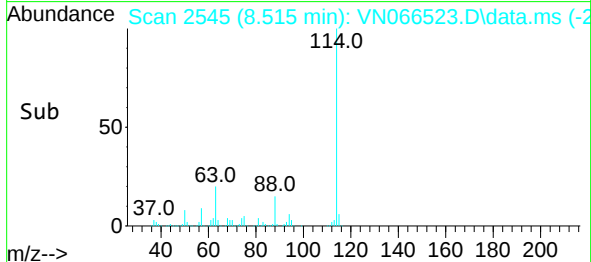
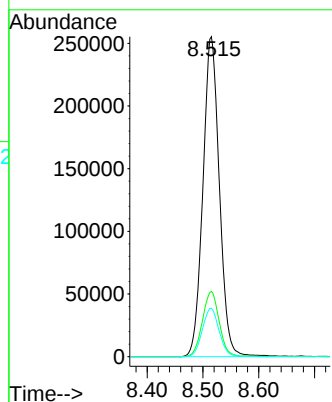
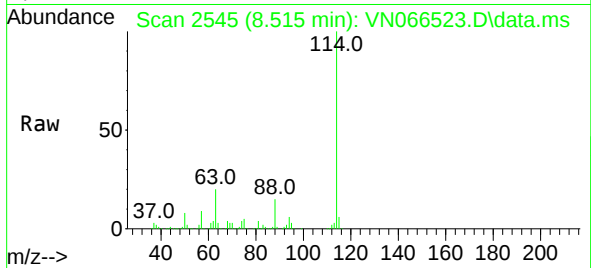




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

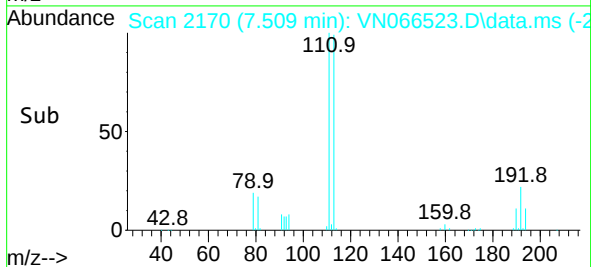
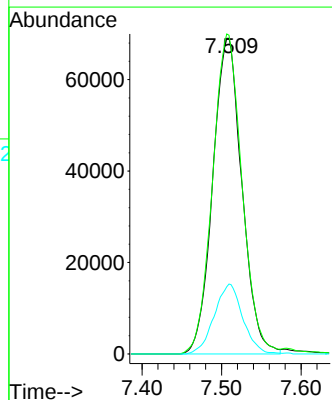
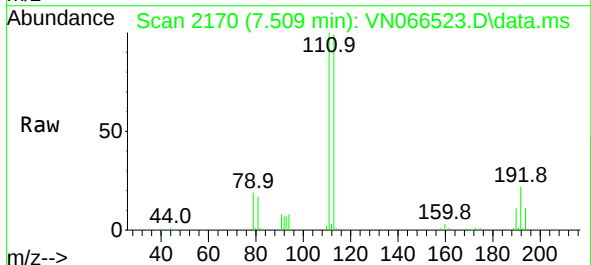
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MSVOA_N
ClientSampled :

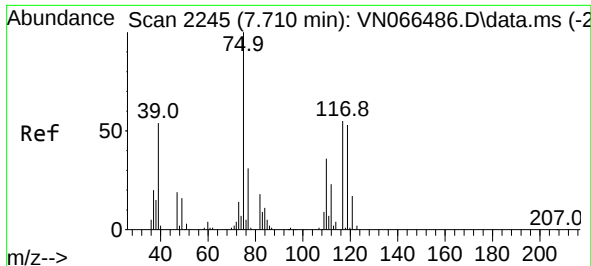
Tgt Ion:114 Resp: 524244
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.0
88 15.1 0.0 31.0



#35
Dibromofluoromethane
Concen: 49.11 ug/l
RT: 7.509 min Scan# 2170
Delta R.T. 0.005 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

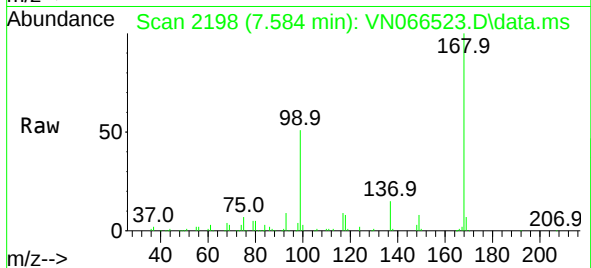
Tgt Ion:113 Resp: 175462
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 21.7 17.1 25.7



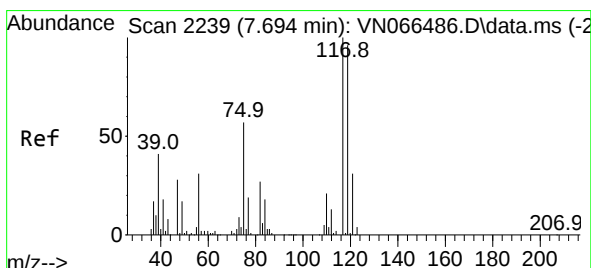
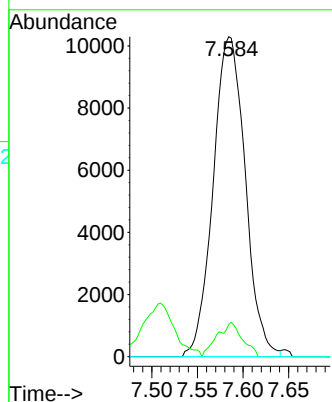
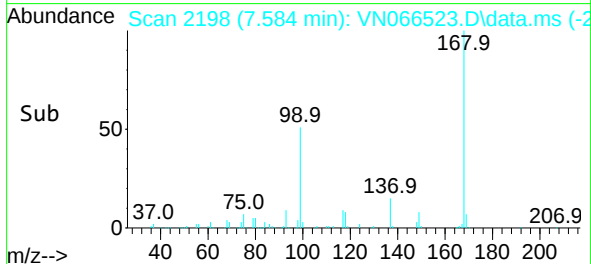


#36
1,1-Dichloropropene
Concen: 4.95 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

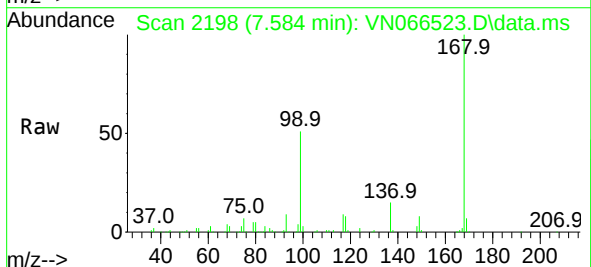
Instrument :
MSVOA_N
ClientSampleId :



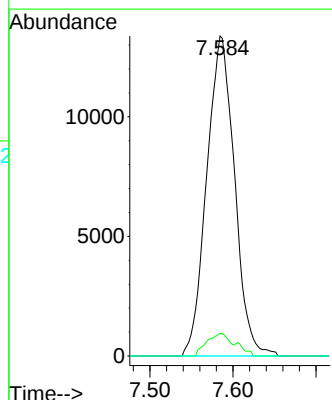
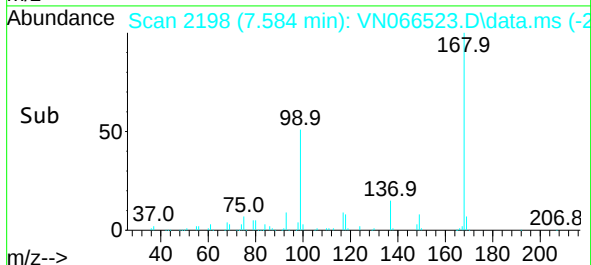
Tgt Ion: 75 Resp: 25212
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.3#
77 0.0 25.0 37.4#

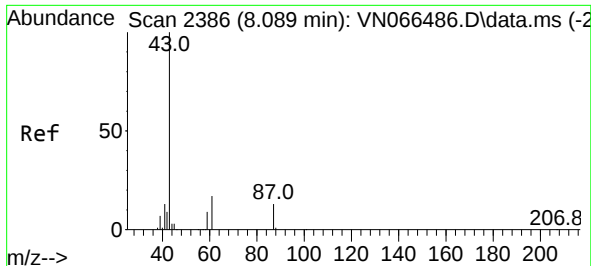


#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.110 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07



Tgt Ion: 117 Resp: 31177
Ion Ratio Lower Upper
117 100
119 7.1 77.2 115.8#
121 0.0 24.2 36.4#

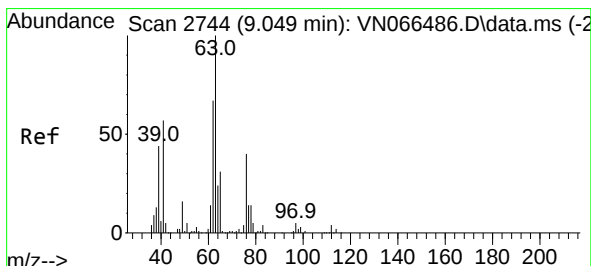
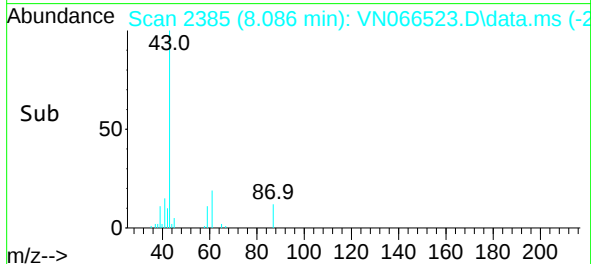
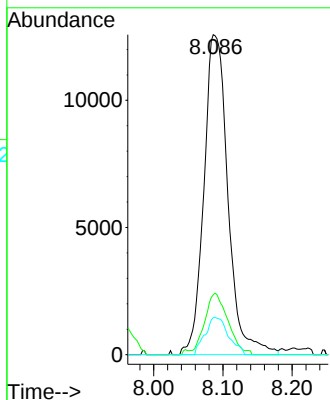
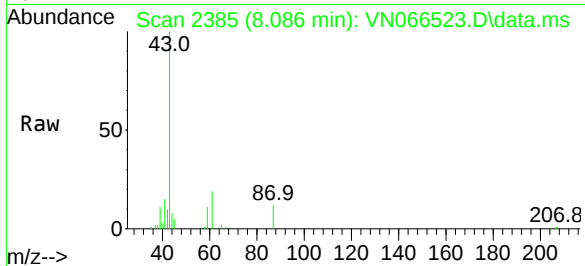




#43
Isopropyl Acetate
Concen: 3.11 ug/l
RT: 8.086 min Scan# 2385
Delta R.T. -0.003 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

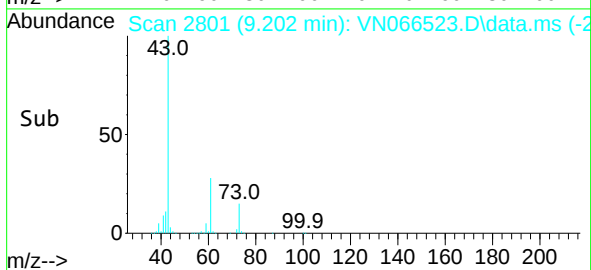
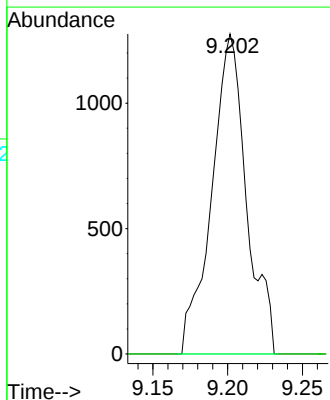
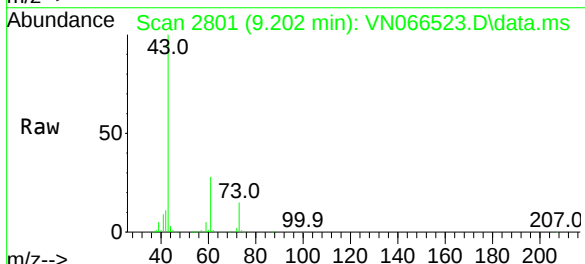
Instrument :
MSVOA_N
ClientSampleId :

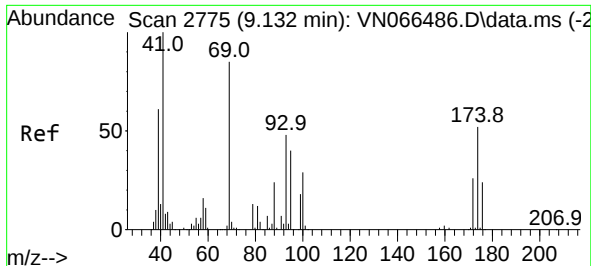
Tgt Ion: 43 Resp: 30359
Ion Ratio Lower Upper
43 100
61 18.6 15.5 23.3
87 11.3 10.5 15.7



#45
1,2-Dichloropropane
Concen: 0.49 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

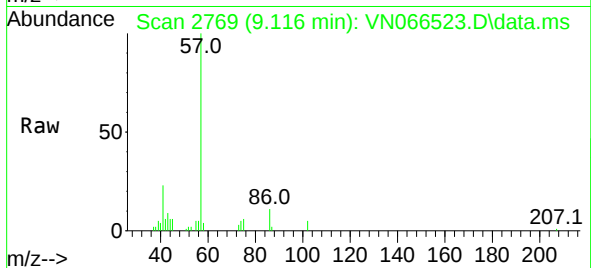
Tgt Ion: 63 Resp: 2072
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



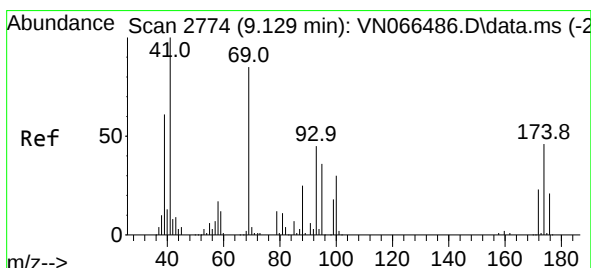
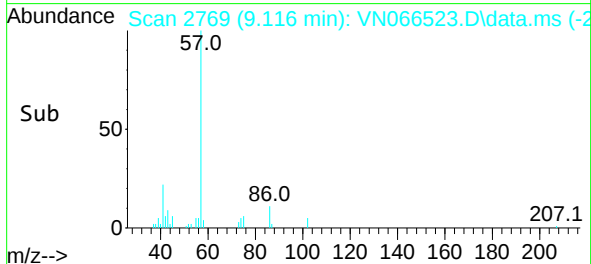
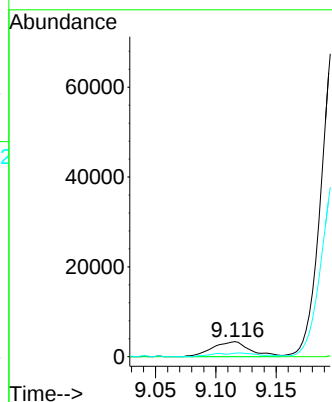


#48
Methyl methacrylate
Concen: 1.68 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.016 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Instrument :
MSVOA_N
ClientSampled :

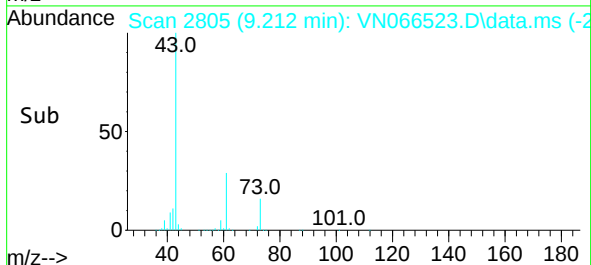
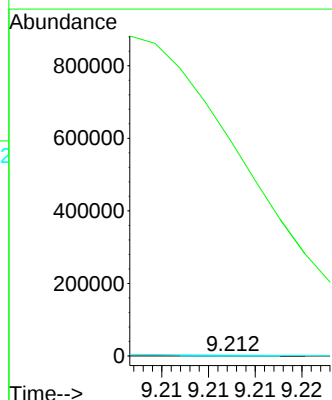
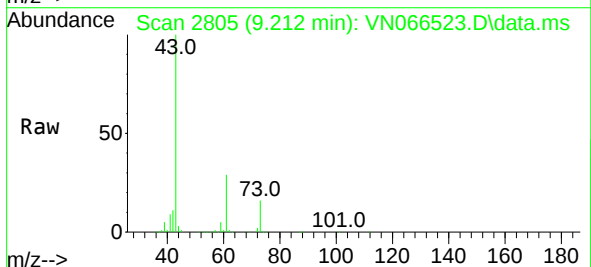


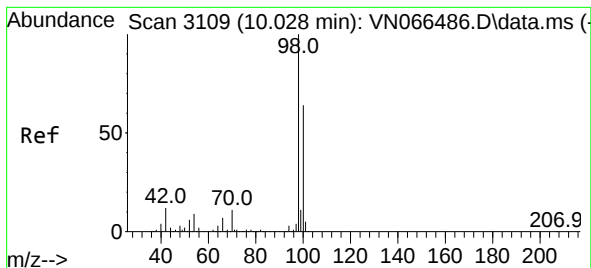
Tgt Ion: 41 Resp: 7299
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 0.44 ug/l
RT: 9.212 min Scan# 2805
Delta R.T. 0.083 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 6167003.8 28.2 42.4#
58 32076.9 56.6 84.8#

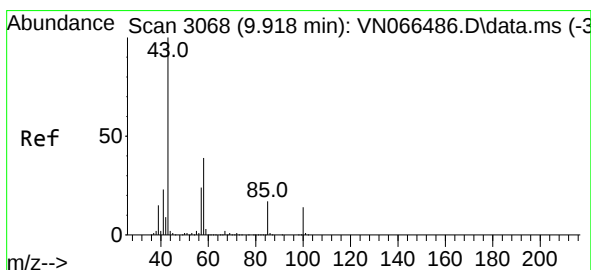
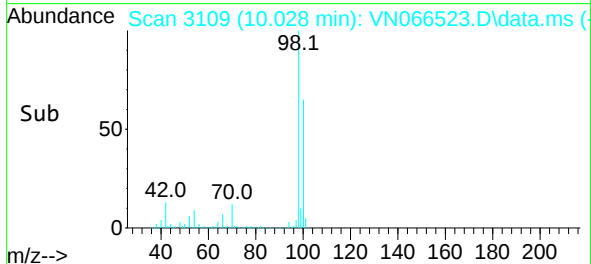
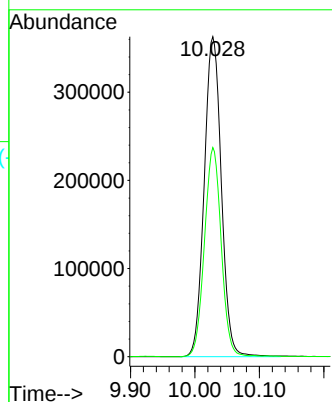
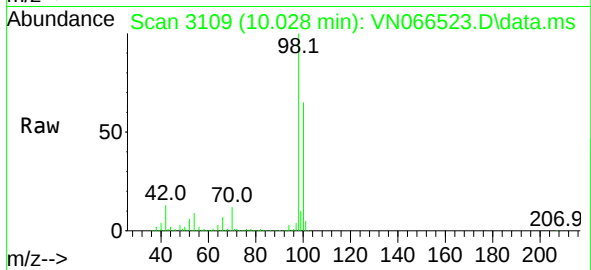




#50
Toluene-d8
Concen: 49.46 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

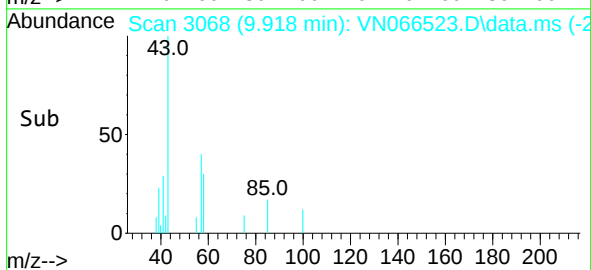
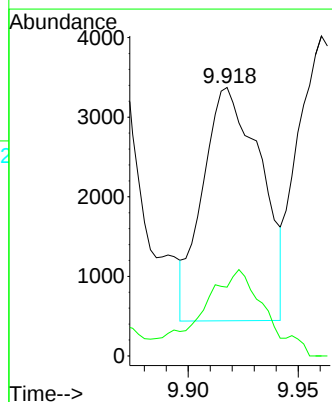
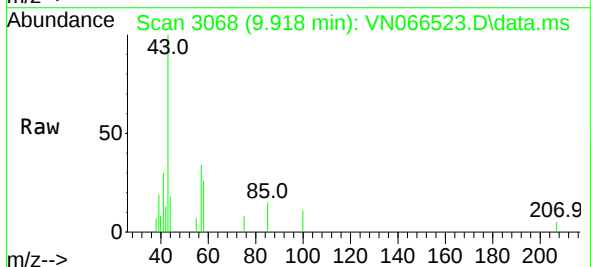
Instrument :
MSVOA_N
ClientSampled :

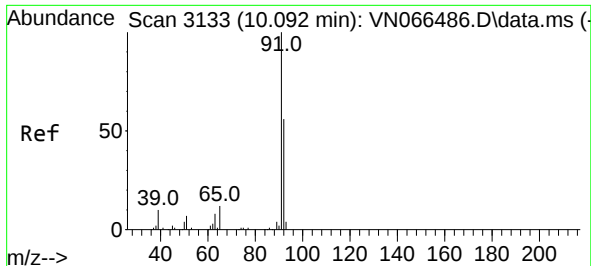
Tgt Ion: 98 Resp: 671457
Ion Ratio Lower Upper
98 100
100 63.8 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.93 ug/l
RT: 9.918 min Scan# 3068
Delta R.T. -0.000 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Tgt Ion: 43 Resp: 5399
Ion Ratio Lower Upper
43 100
58 40.5 30.8 46.2

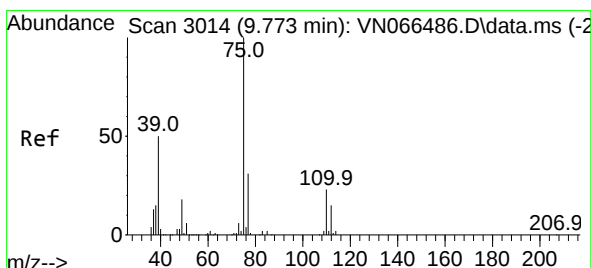
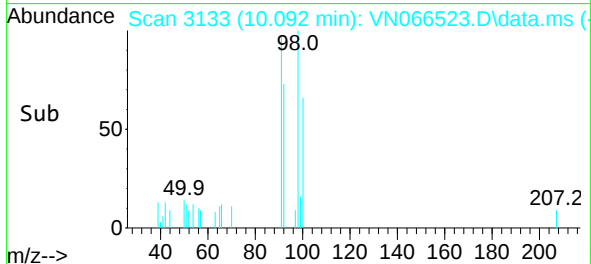
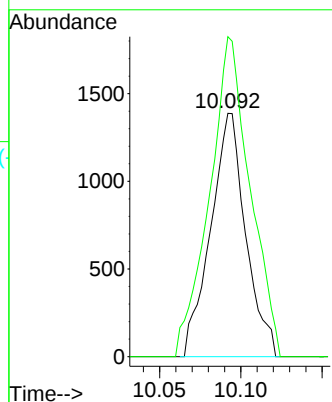
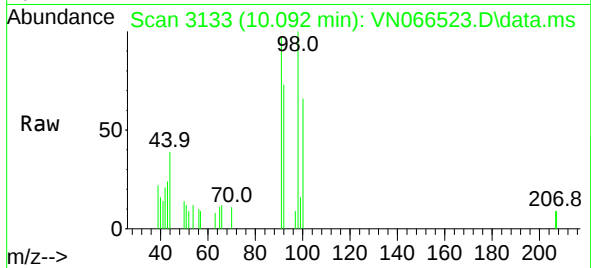




#52
Toluene
Concen: 0.21 ug/l
RT: 10.092 min Scan# 3133
Delta R.T. -0.000 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

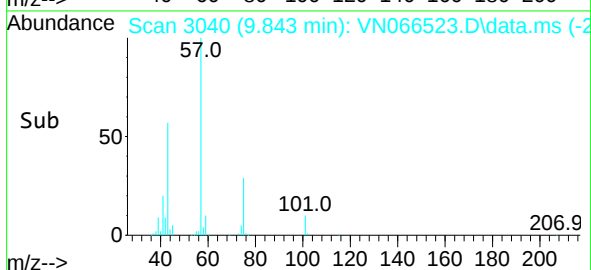
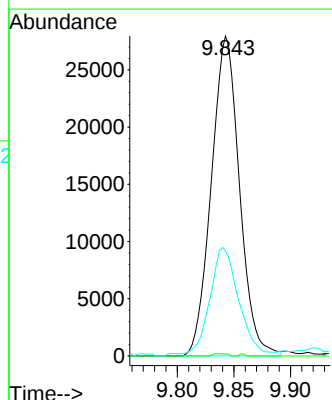
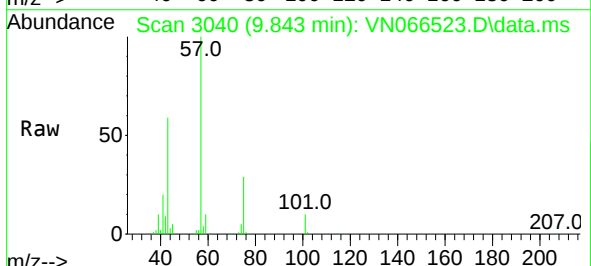
Instrument :
MSVOA_N
ClientSampled :

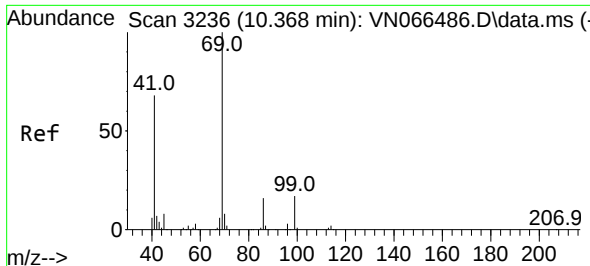
Tgt Ion: 92 Resp: 2078
Ion Ratio Lower Upper
92 100
91 152.2 138.8 208.2



#54
cis-1,3-Dichloropropene
Concen: 7.42 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Tgt Ion: 75 Resp: 48263
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.2#
39 32.2 44.2 66.4#

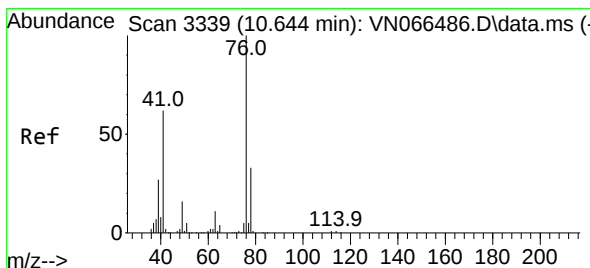
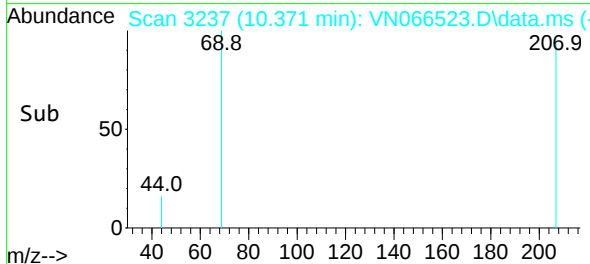
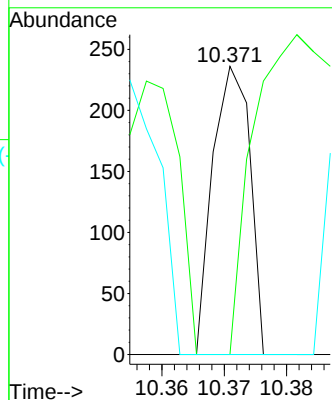
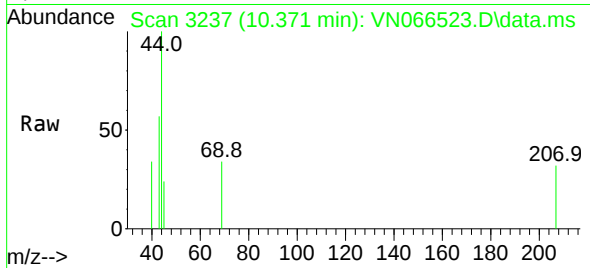




#56
Ethyl methacrylate
Concen: 3.73 ug/l
RT: 10.371 min Scan# 3237
Delta R.T. 0.003 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

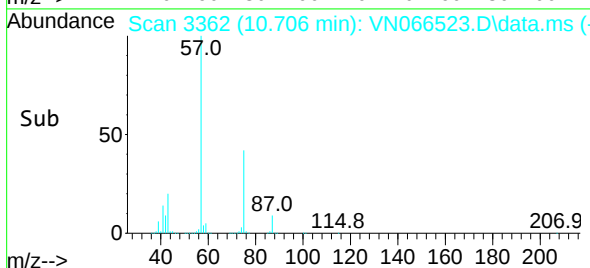
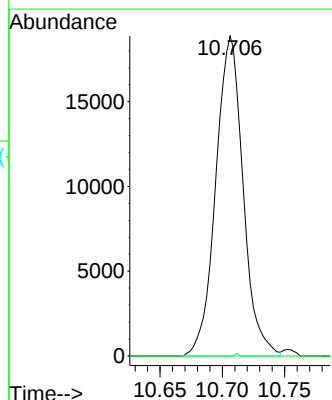
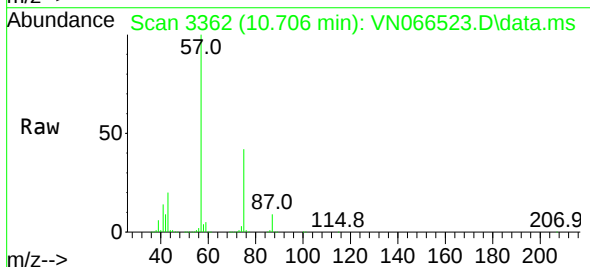
Instrument :
MSVOA_N
ClientSampled :

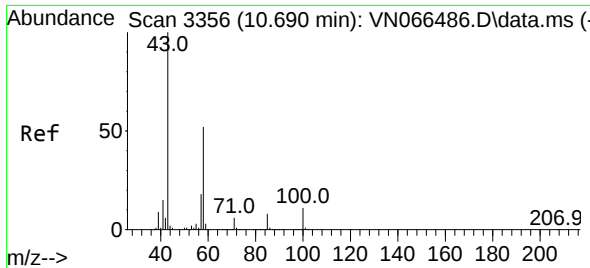
Tgt Ion: 69 Resp: 98
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#



#57
1,3-Dichloropropane
Concen: 4.41 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Tgt Ion: 76 Resp: 28815
Ion Ratio Lower Upper
76 100
78 0.1 25.9 38.9#

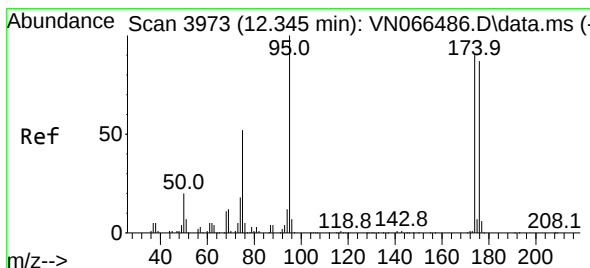
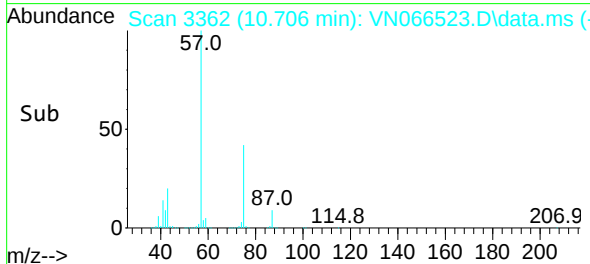
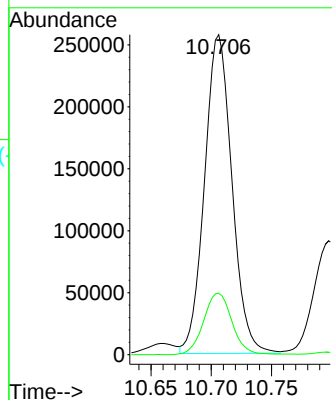
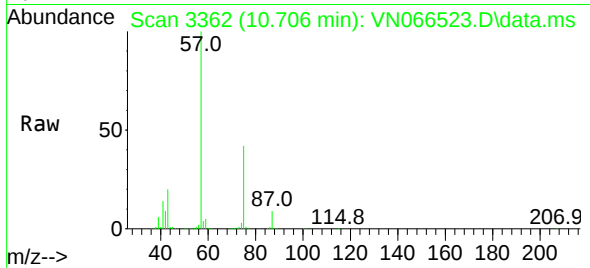




#59
2-Hexanone
Concen: 98.27 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

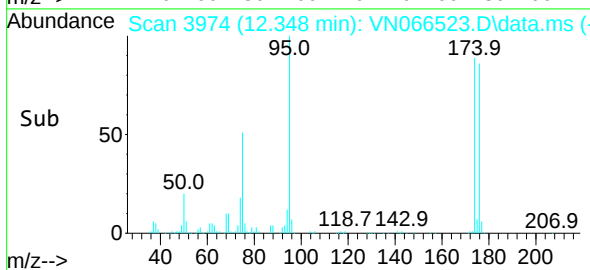
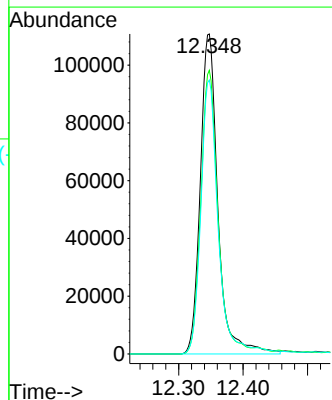
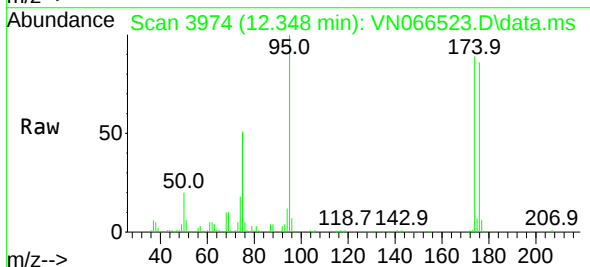
Instrument :
MSVOA_N
ClientSampled :

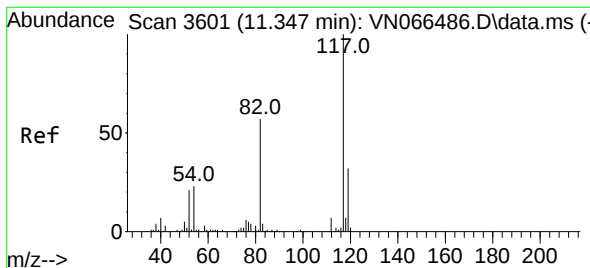
Tgt Ion: 43 Resp: 407387
Ion Ratio Lower Upper
43 100
58 20.0 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 47.66 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

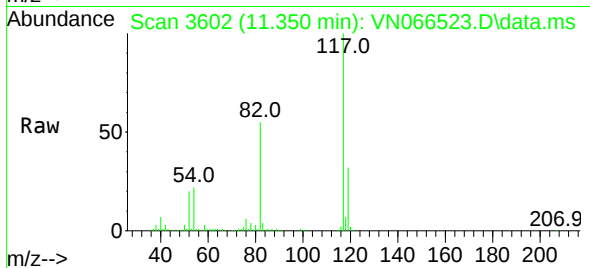
Tgt Ion: 95 Resp: 209836
Ion Ratio Lower Upper
95 100
174 86.2 0.0 172.2
176 83.0 0.0 167.8



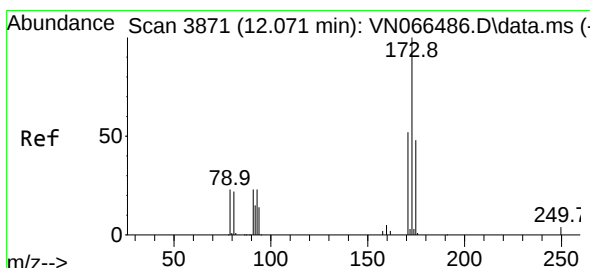
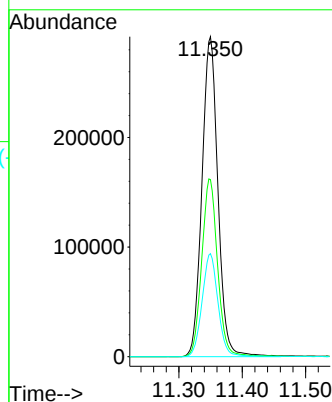
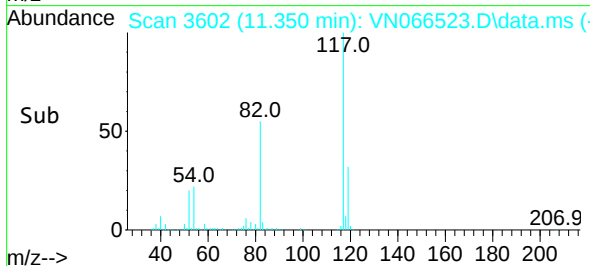


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

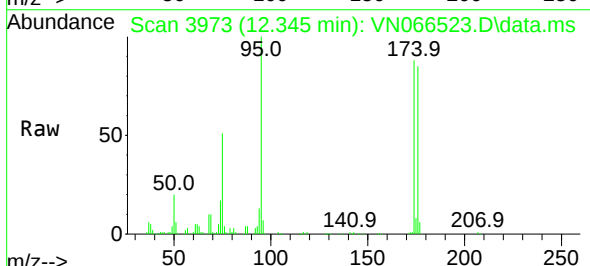
Instrument :
MSVOA_N
ClientSampled :



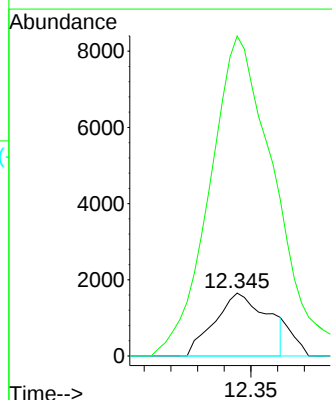
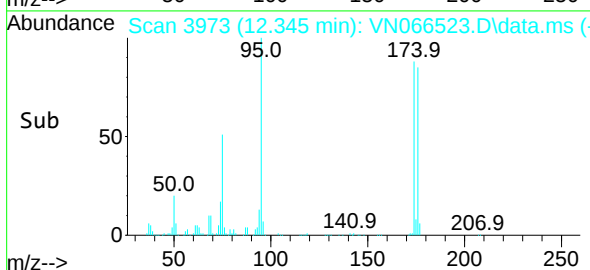
Tgt Ion:117 Resp: 510511
Ion Ratio Lower Upper
117 100
82 55.3 44.2 66.4
119 32.2 25.8 38.6

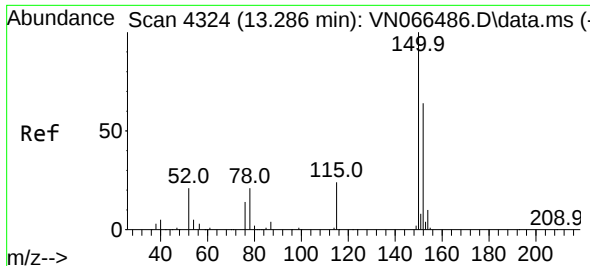


#71
Bromoform
Concen: 0.70 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.274 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07



Tgt Ion:173 Resp: 2271
Ion Ratio Lower Upper
173 100
175 552.3 24.3 72.8#
254 0.0 0.0 0.0

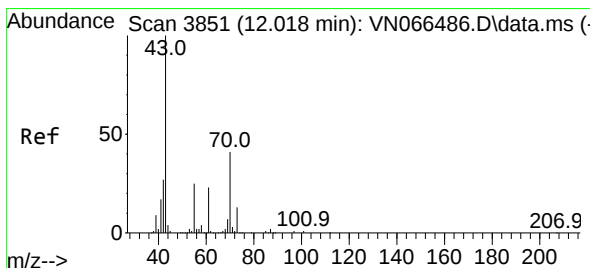
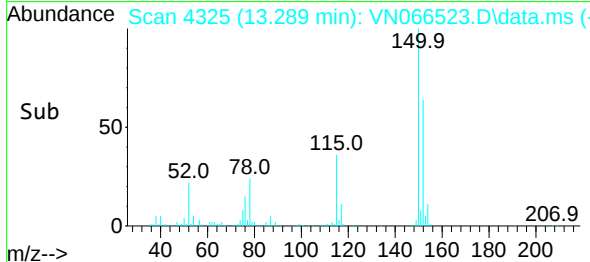
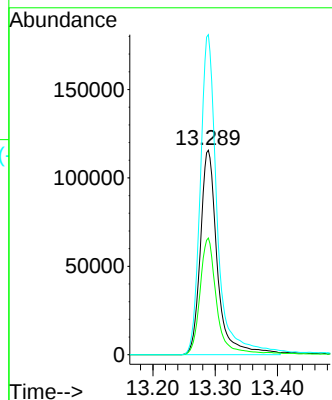
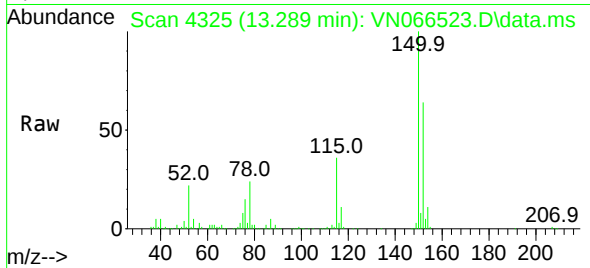




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

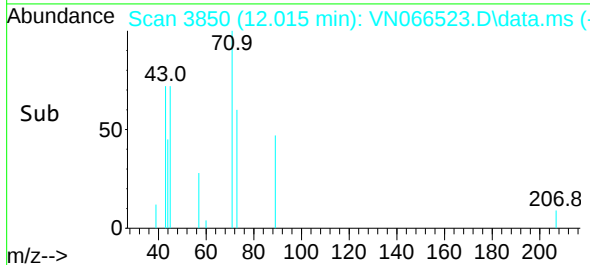
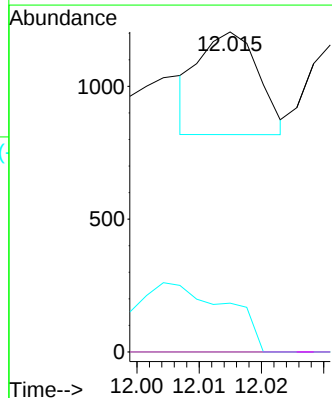
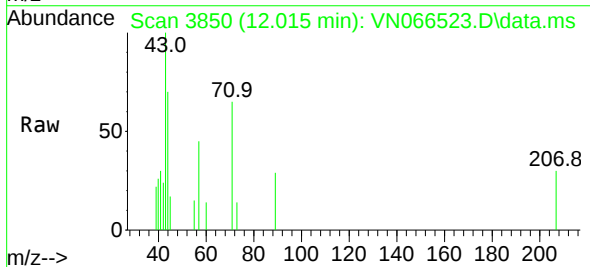
Instrument :
MSVOA_N
ClientSampleId :

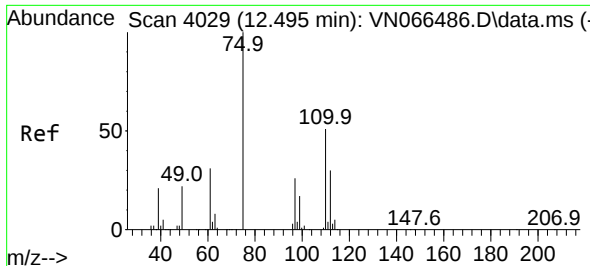
Tgt Ion:152 Resp: 219440
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 156.4 0.0 348.4



#74
N-ethyl acetate
Concen: 12.76 ug/l
RT: 12.015 min Scan# 3850
Delta R.T. -0.003 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
70 0.0 31.2 46.8#
55 100.8 18.6 28.0#
61 0.0 18.2 27.4#

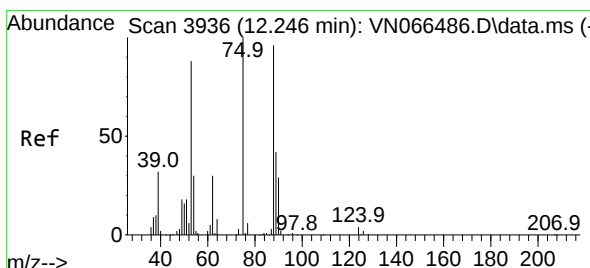
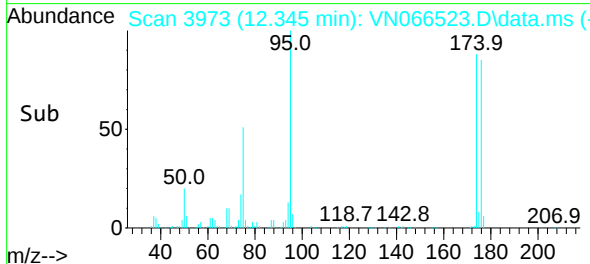
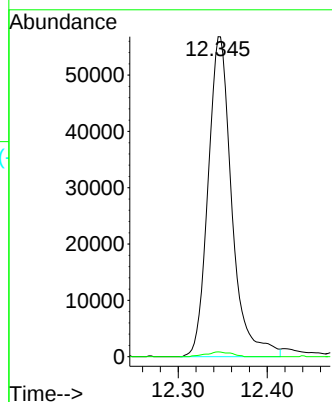
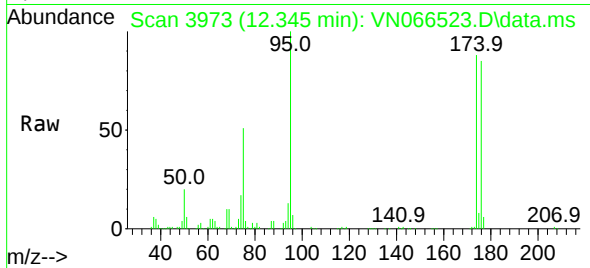




#76
1,2,3-Trichloropropane
Concen: 21.23 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

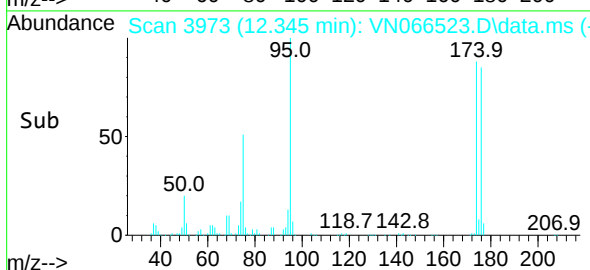
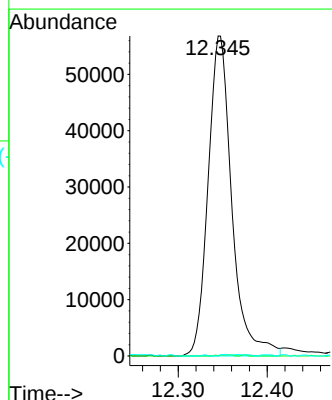
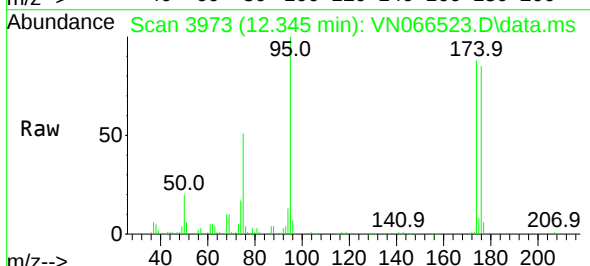
Instrument :
MSVOA_N
ClientSampled :

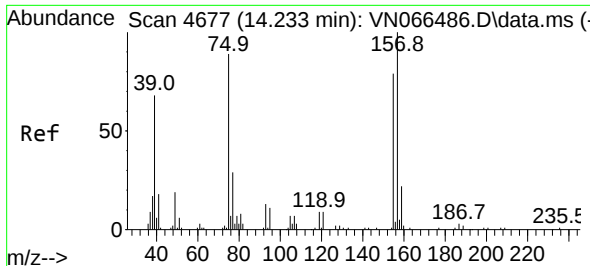
Tgt Ion: 75 Resp: 105109
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.29 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

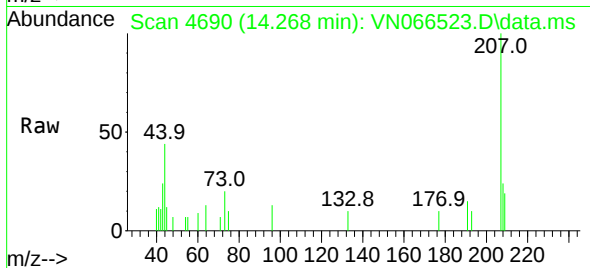
Tgt Ion: 75 Resp: 105109
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.2 35.7 53.5#



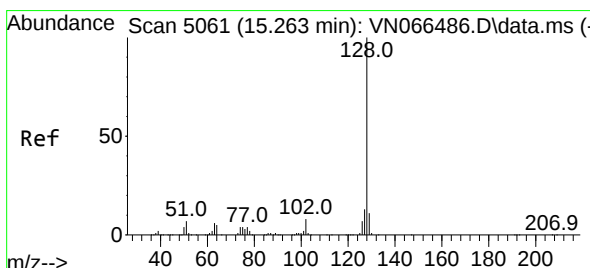
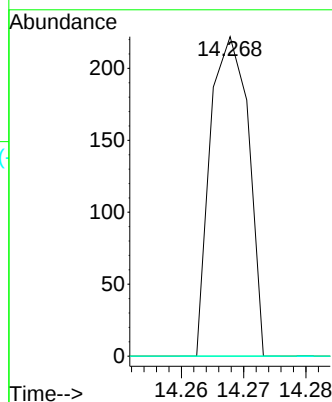
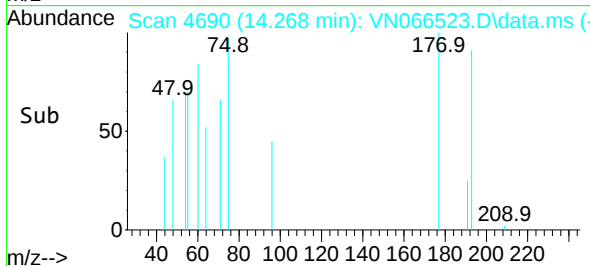


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.42 ug/l
RT: 14.268 min Scan# 4690
Delta R.T. 0.035 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07

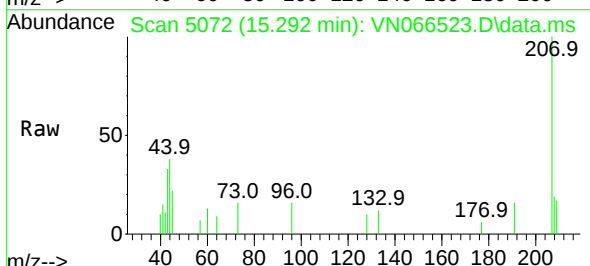
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 75 Resp: 94
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#



#95
Naphthalene
Concen: 2.00 ug/l
RT: 15.292 min Scan# 5072
Delta R.T. 0.029 min
Lab File: VN066523.D
Acq: 7 Apr 2021 22:07



Tgt Ion: 128 Resp: 380
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#

