

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040721\
 Data File : VN066526.D
 Acq On : 7 Apr 2021 23:18
 Operator : JC/MD
 Sample : PB135583ZH#15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 08 02:01:00 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)

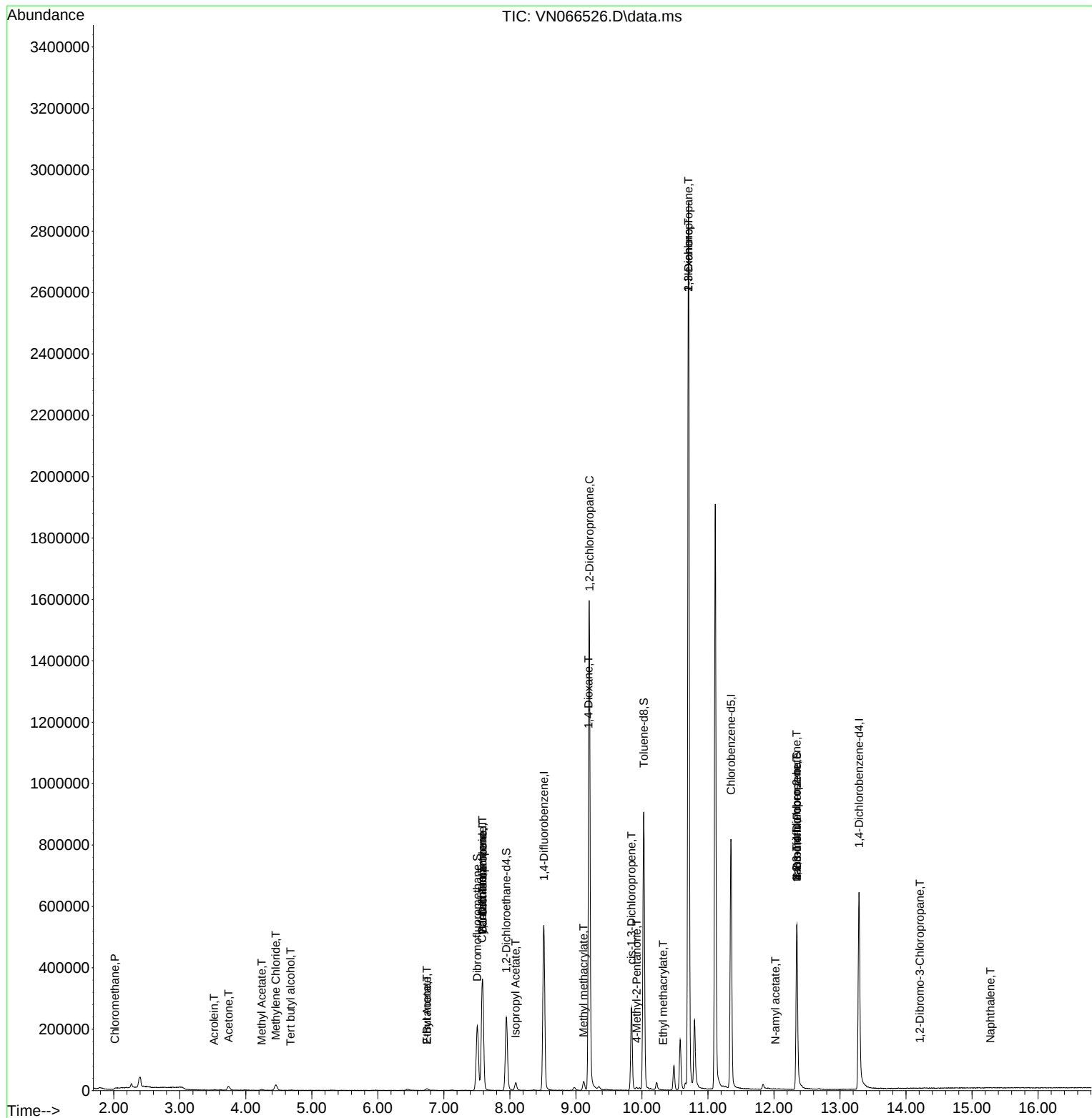
Internal Standards						
1) Pentafluorobenzene	7.585	168	311013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	477192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	474287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	204343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	202270	49.38	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.76%		
35) Dibromofluoromethane	7.507	113	159317	48.98	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.96%		
50) Toluene-d8	10.028	98	613486	49.65	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.30%		
62) 4-Bromofluorobenzene	12.348	95	190569	47.56	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.12%		
Target Compounds					Qvalue	
3) Chloromethane	2.017	50	1054	0.23	ug/l	96
11) Tert butyl alcohol	4.677	59	269	0.41	ug/l #	56
13) Acrolein	3.519	56	270	4.41	ug/l #	13
16) Acetone	3.739	43	21058	12.27	ug/l	99
18) Methyl Acetate	4.243	43	5826	1.36	ug/l #	90
20) Methylene Chloride	4.455	84	12490	3.39	ug/l	91
25) 2-Butanone	6.745	43	10205	3.96	ug/l	91
31) Cyclohexane	7.579	56	6268	1.11	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	23330	5.03	ug/l #	47
37) Ethyl Acetate	6.745	43	10205	1.78	ug/l #	69
38) Carbon Tetrachloride	7.585	117	28332	6.03	ug/l #	18
43) Isopropyl Acetate	8.089	43	29211	3.29	ug/l	99
45) 1,2-Dichloropropane	9.207	63	1940	0.50	ug/l #	43
48) Methyl methacrylate	9.116	41	6963	1.76	ug/l #	12
49) 1,4-Dioxane	9.191	88	27	0.50	ug/l #	23
51) 4-Methyl-2-Pentanone	9.921	43	6262	1.19	ug/l	98
54) cis-1,3-Dichloropropene	9.840	75	46538	7.87	ug/l #	61
56) Ethyl methacrylate	10.323	69	178	3.75	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	29376	4.93	ug/l #	42
59) 2-Hexanone	10.706	43	407325	106.25	ug/l #	53
71) Bromoform	12.348	173	958	0.32	ug/l #	1
74) N-amyl acetate	12.020	43	279	12.77	ug/l #	45
76) 1,2,3-Trichloropropane	12.345	75	100800	21.87	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	100800	60.90	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.212	75	81	0.41	ug/l #	1
95) Naphthalene	15.279	128	204	1.99	ug/l #	69

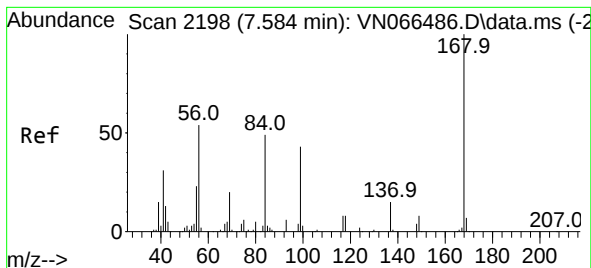
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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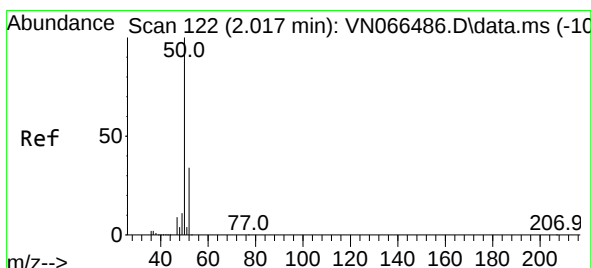
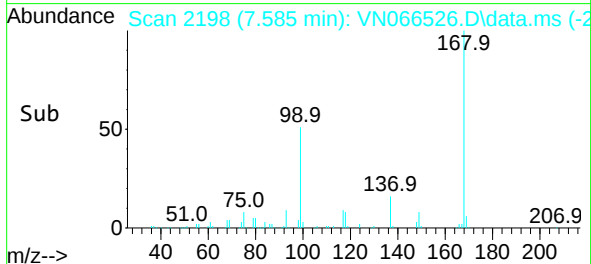
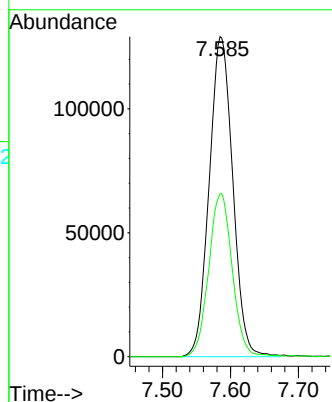
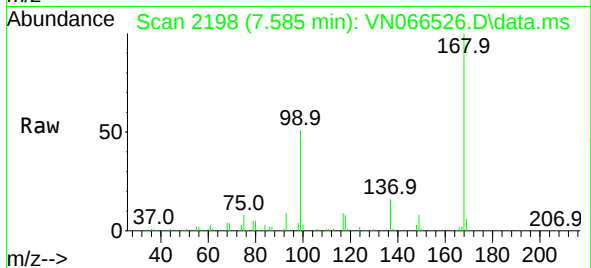




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. 0.001 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

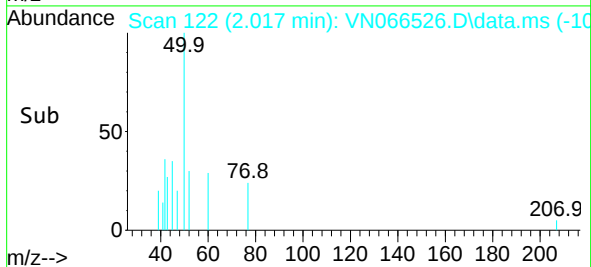
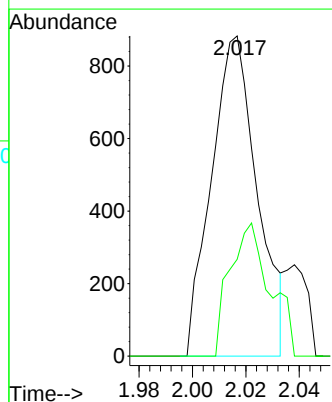
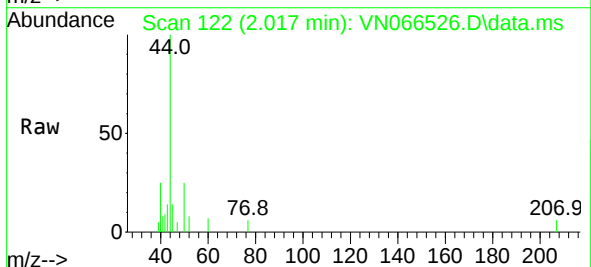
Instrument :
MSVOA_N
ClientSampled :

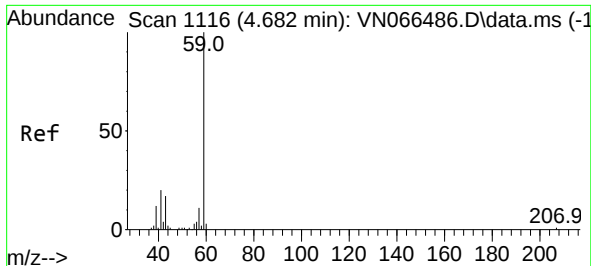
Tgt Ion:168 Resp: 311013
Ion Ratio Lower Upper
168 100
99 50.9 41.1 61.7



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.017 min Scan# 122
Delta R.T. -0.000 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

Tgt Ion: 50 Resp: 1054
Ion Ratio Lower Upper
50 100
52 30.2 26.2 39.2

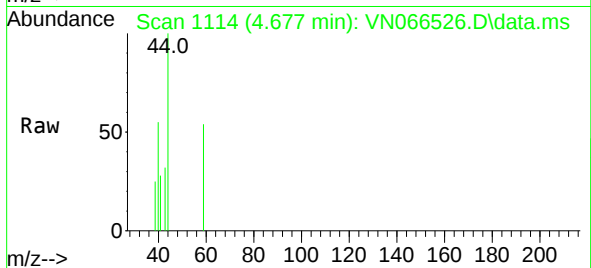




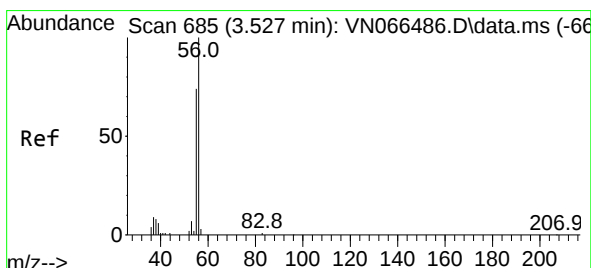
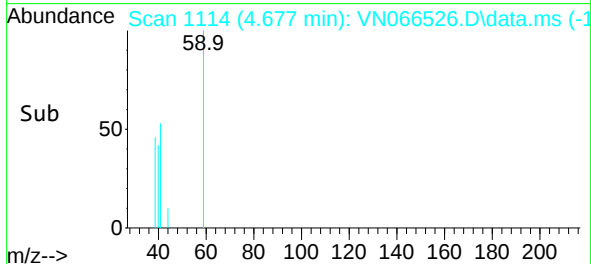
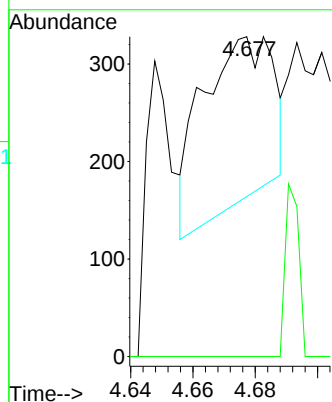
#11

Tert butyl alcohol
Concen: 0.41 ug/l
RT: 4.677 min Scan# 1114
Delta R.T. -0.005 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

Instrument :
MSVOA_N
ClientSampled :

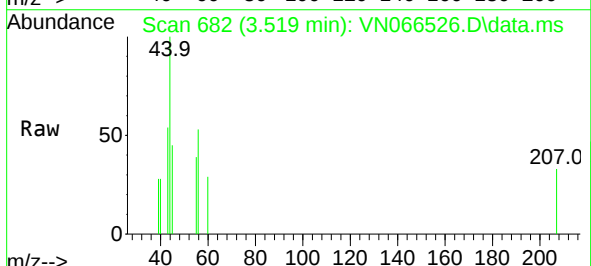


Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 19.7 4.1 6.1#

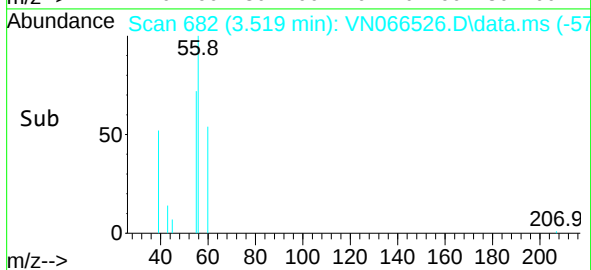
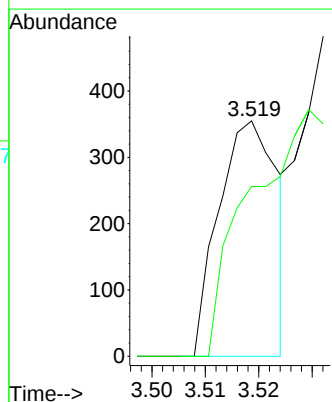


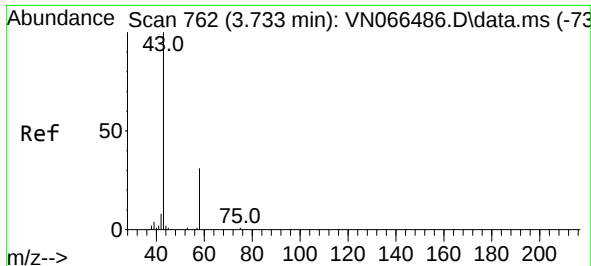
#13

Acrolein
Concen: 4.41 ug/l
RT: 3.519 min Scan# 682
Delta R.T. -0.008 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18



Tgt Ion: 56 Resp: 270
Ion Ratio Lower Upper
56 100
55 0.0 57.9 86.9#

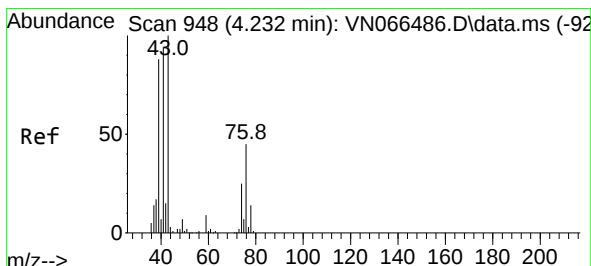
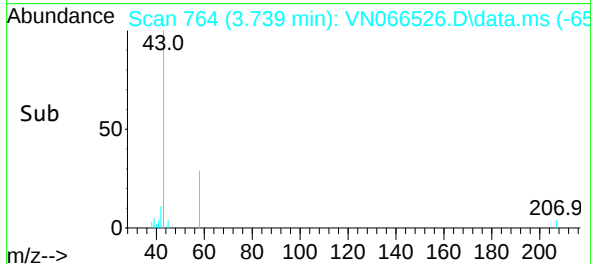
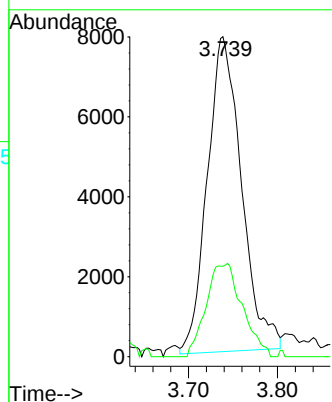
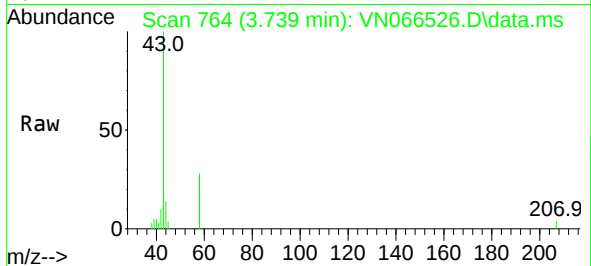




#16
Acetone
Concen: 12.27 ug/l
RT: 3.739 min Scan# 764
Delta R.T. 0.006 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

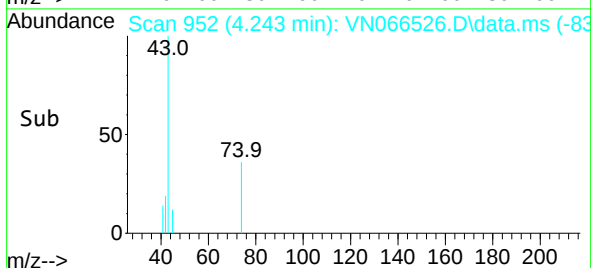
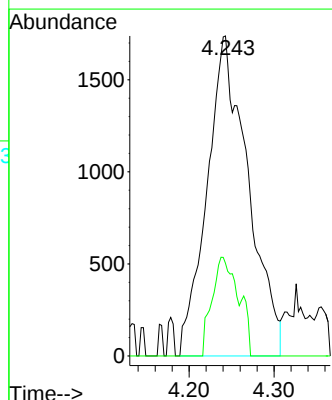
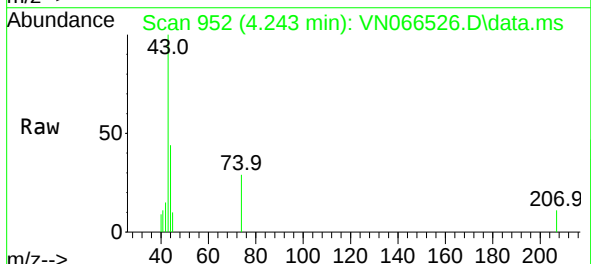
Instrument :
MSVOA_N
ClientSampleId :

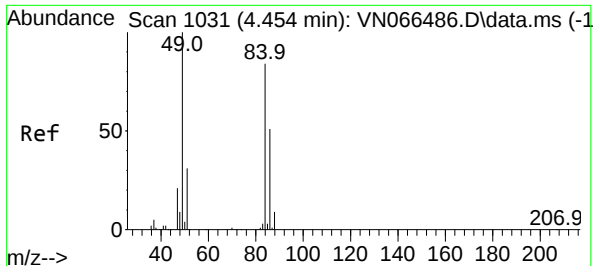
Tgt Ion: 43 Resp: 21058
Ion Ratio Lower Upper
43 100
58 29.0 23.8 35.8



#18
Methyl Acetate
Concen: 1.36 ug/l
RT: 4.243 min Scan# 952
Delta R.T. 0.011 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

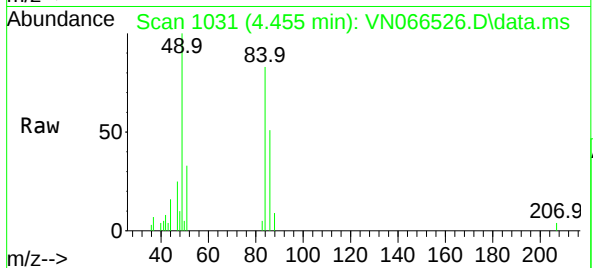
Tgt Ion: 43 Resp: 5826
Ion Ratio Lower Upper
43 100
74 17.0 17.6 26.4#



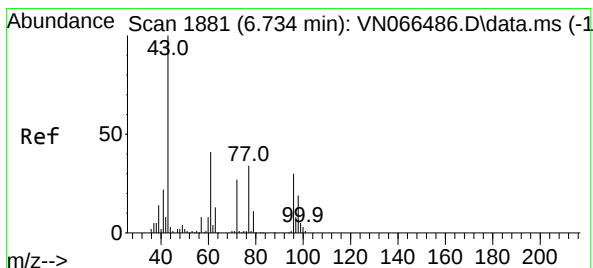
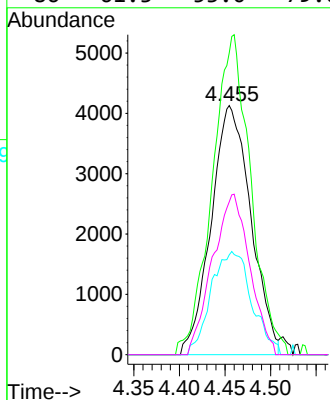
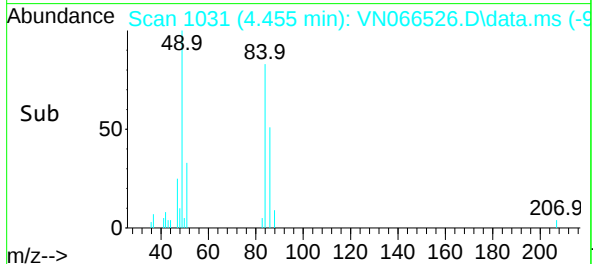


#20
Methylene Chloride
Concen: 3.39 ug/l
RT: 4.455 min Scan# 1031
Delta R.T. 0.001 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

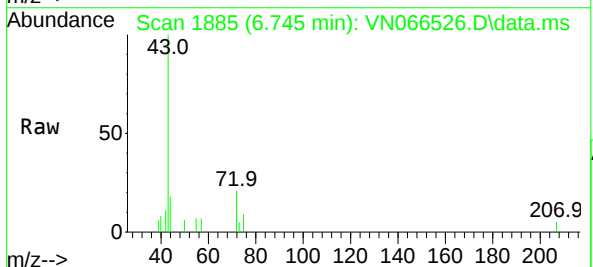
Instrument :
MSVOA_N
ClientSampleId :



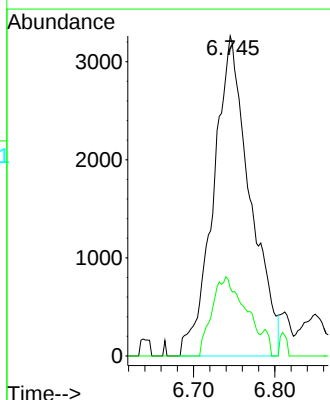
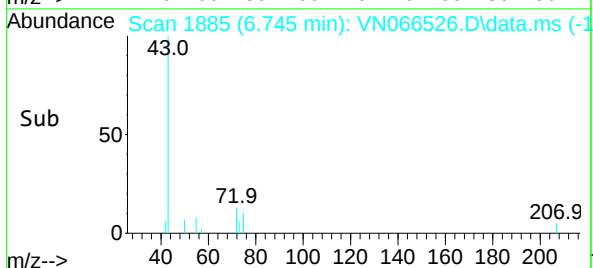
Tgt Ion:	84	Resp:	12490
Ion	Ratio	Lower	Upper
84	100		
49	116.2	105.0	157.6
51	40.1	31.6	47.4
86	61.3	53.0	79.6

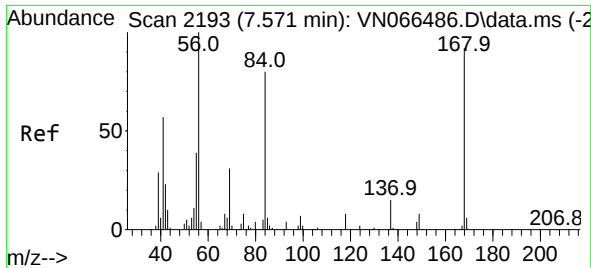


#25
2-Butanone
Concen: 3.96 ug/l
RT: 6.745 min Scan# 1885
Delta R.T. 0.011 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18



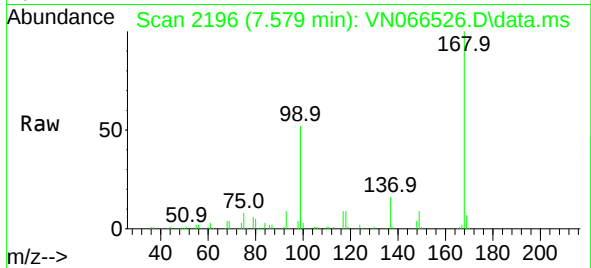
Tgt Ion:	43	Resp:	10205
Ion	Ratio	Lower	Upper
43	100		
72	21.2	20.7	31.1



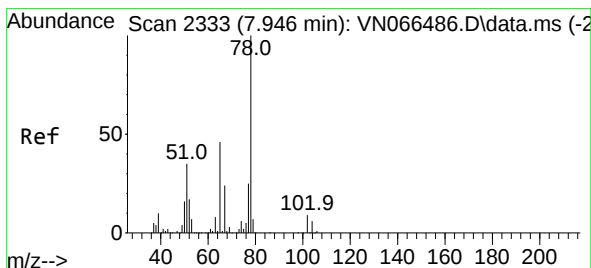
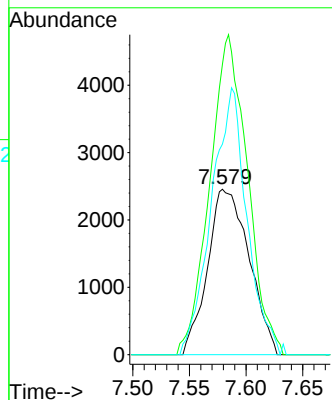
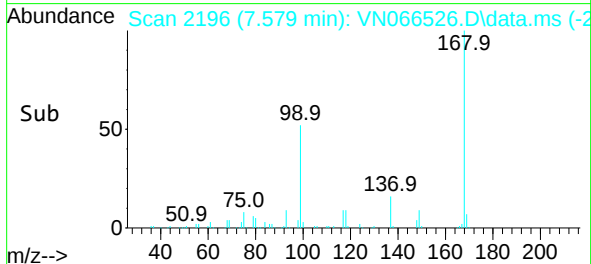


#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.579 min Scan# 2196
Delta R.T. 0.008 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

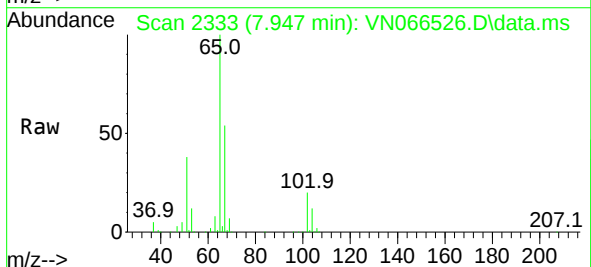
Instrument :
MSVOA_N
ClientSampled :



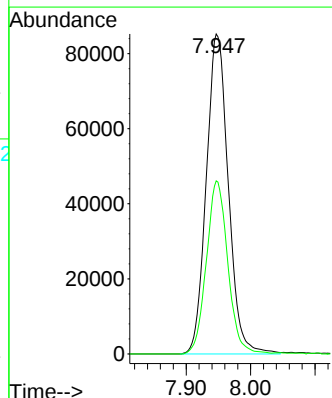
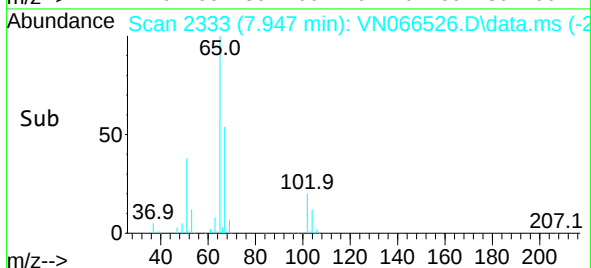
Tgt Ion: 56 Resp: 6268
Ion Ratio Lower Upper
56 100
69 169.5 26.6 40.0#
84 127.3 68.7 103.1#

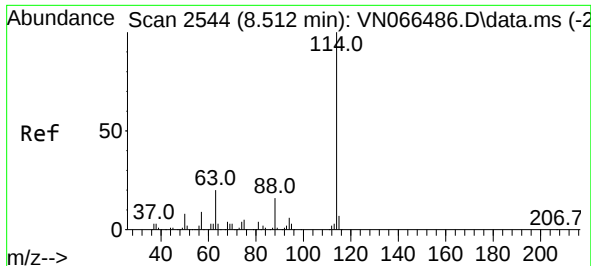


#33
1,2-Dichloroethane-d4
Concen: 49.38 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. 0.001 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18



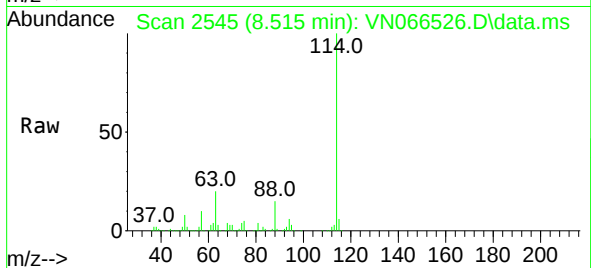
Tgt Ion: 65 Resp: 202270
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.2



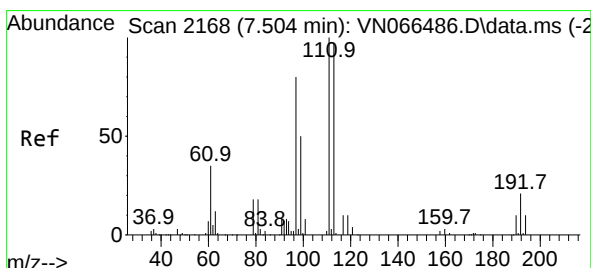
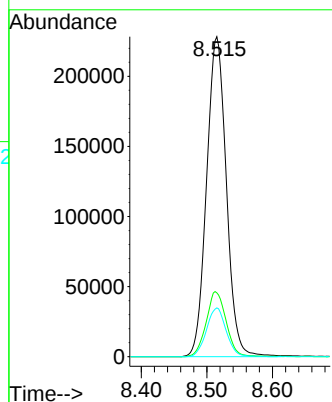
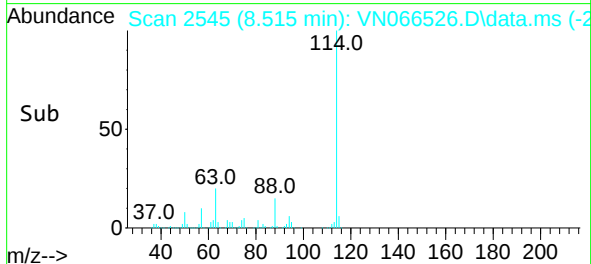


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

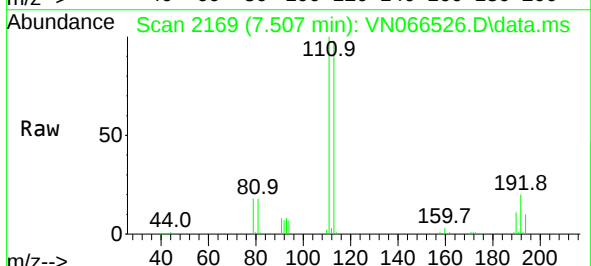
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MSVOA_N
ClientSampled :



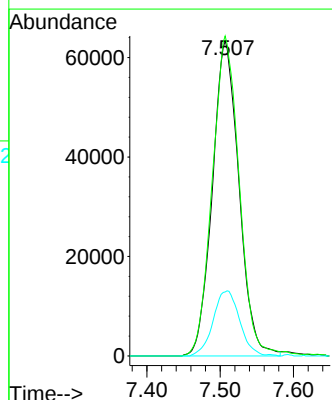
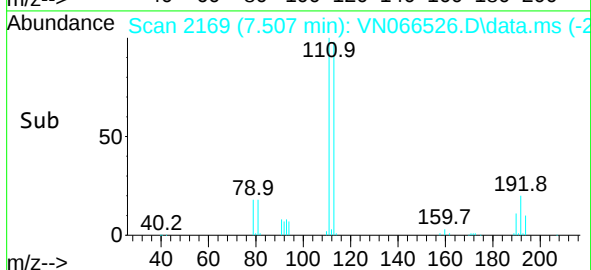
Tgt Ion:114 Resp: 477192
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.0
88 15.3 0.0 31.0

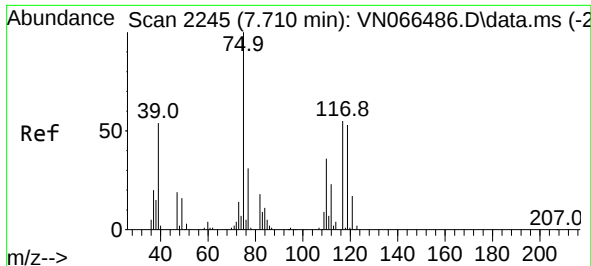


#35
Dibromofluoromethane
Concen: 48.98 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. 0.003 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18



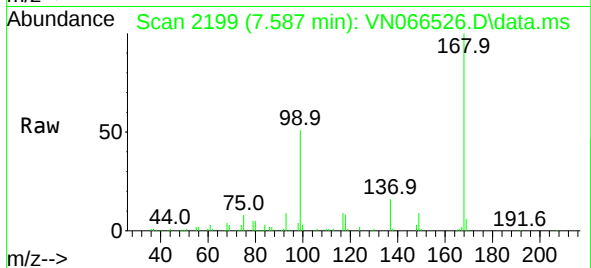
Tgt Ion:113 Resp: 159317
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 20.6 17.1 25.7



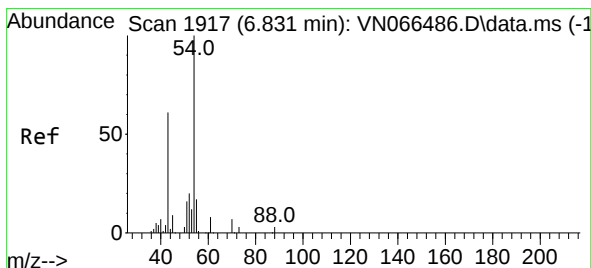
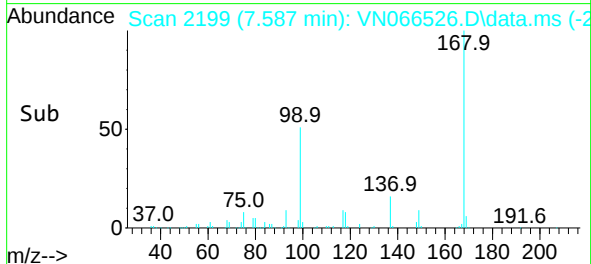
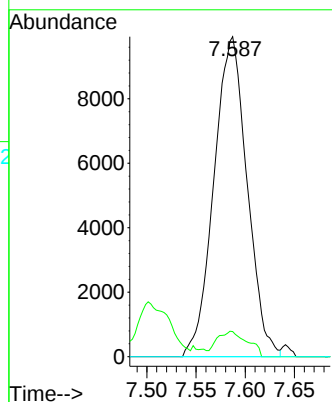


#36
1,1-Dichloropropene
Concen: 5.03 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.123 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

Instrument :
MSVOA_N
ClientSampled :

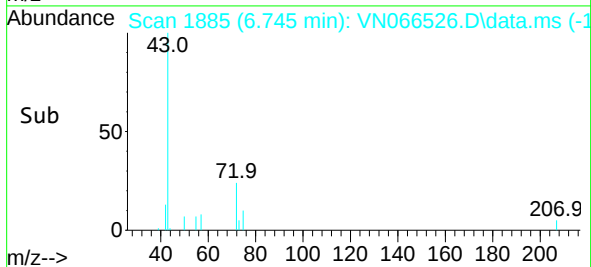
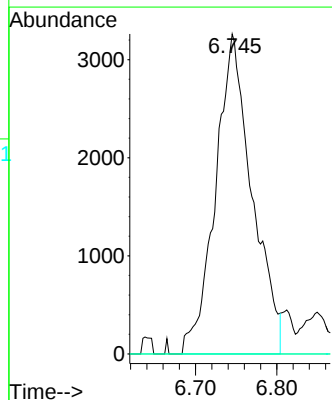
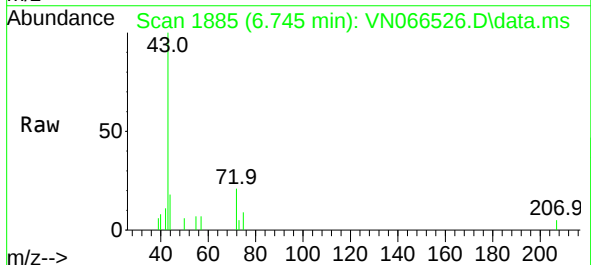


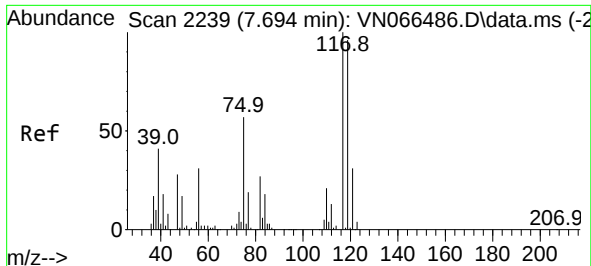
Tgt Ion: 75 Resp: 23330
Ion Ratio Lower Upper
75 100
110 7.3 18.1 54.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.78 ug/l
RT: 6.745 min Scan# 1885
Delta R.T. -0.086 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

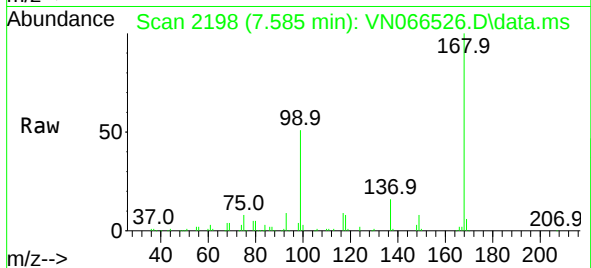
Tgt Ion: 43 Resp: 10205
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.0 12.0#



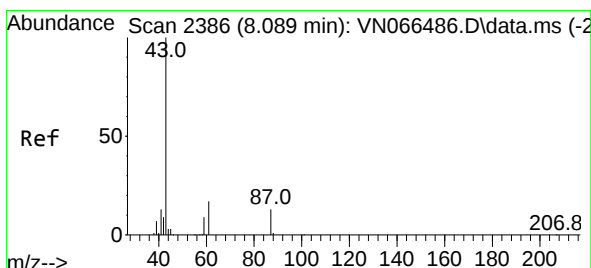
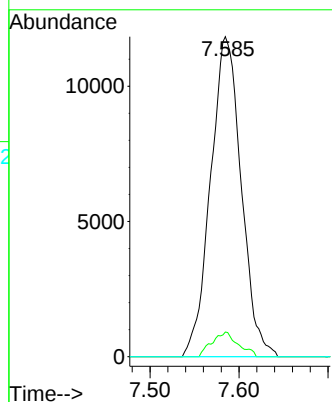
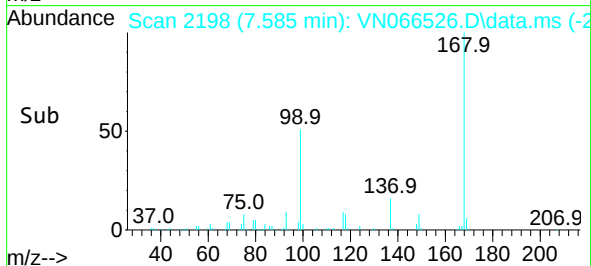


#38
Carbon Tetrachloride
Concen: 6.03 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.109 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

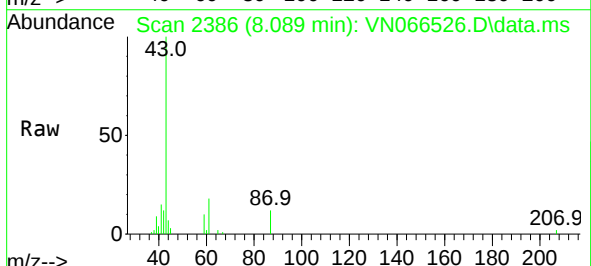
Instrument :
MSVOA_N
ClientSampled :



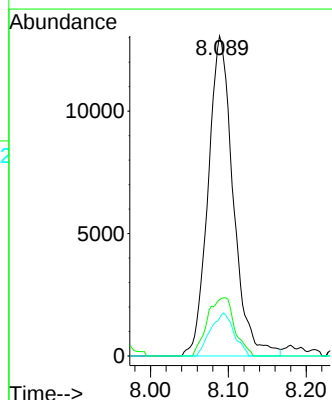
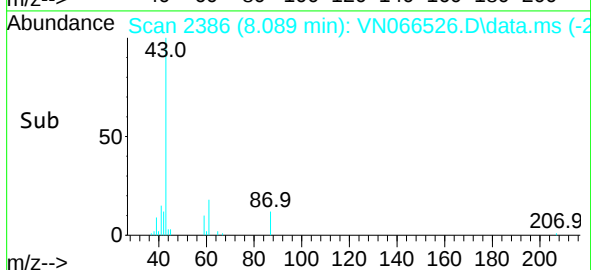
Tgt Ion: 117 Resp: 28332
Ion Ratio Lower Upper
117 100
119 7.7 77.2 115.8#
121 0.0 24.2 36.4#

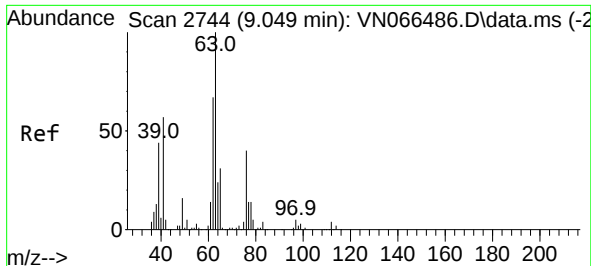


#43
Isopropyl Acetate
Concen: 3.29 ug/l
RT: 8.089 min Scan# 2386
Delta R.T. -0.000 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18



Tgt Ion: 43 Resp: 29211
Ion Ratio Lower Upper
43 100
61 19.8 15.5 23.3
87 12.6 10.5 15.7

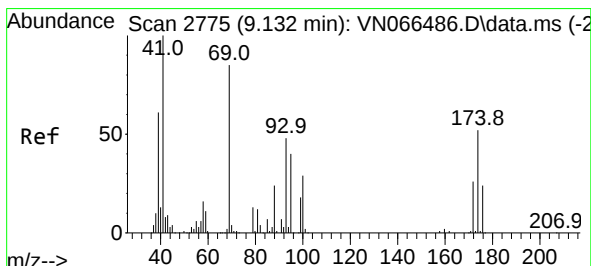
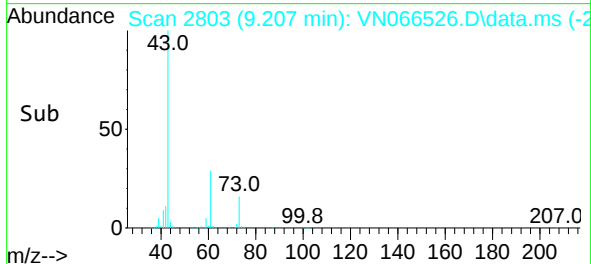
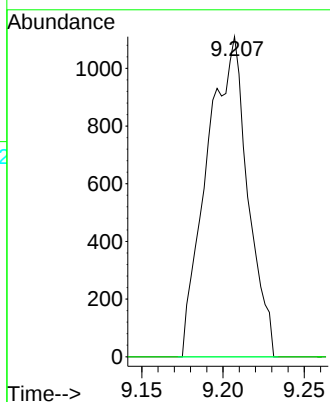
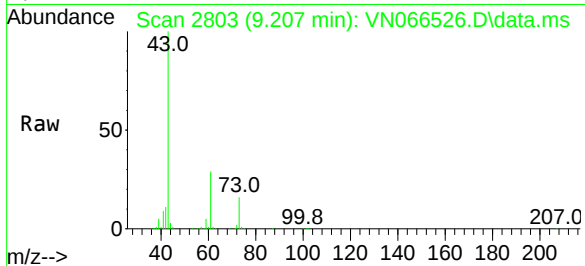




#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.207 min Scan# 2803
Delta R.T. 0.158 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

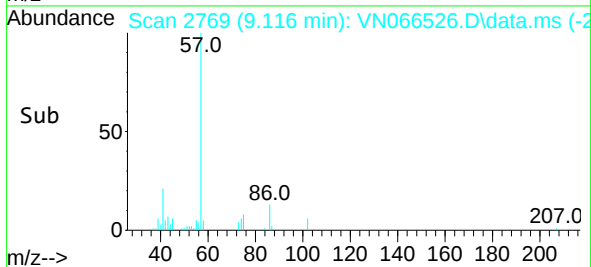
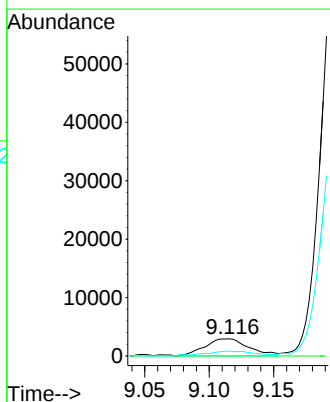
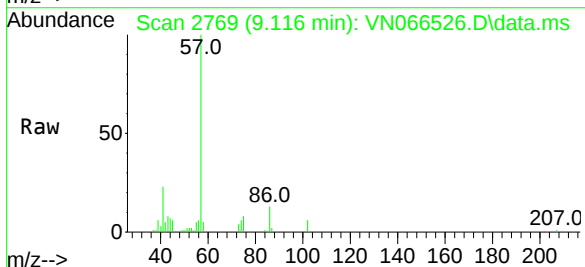
Instrument :
MSVOA_N
ClientSampled :

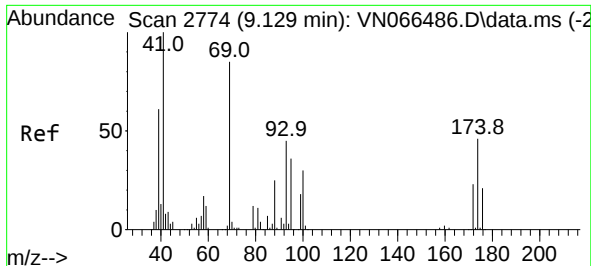
Tgt Ion: 63 Resp: 1940
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



#48
Methyl methacrylate
Concen: 1.76 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.016 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

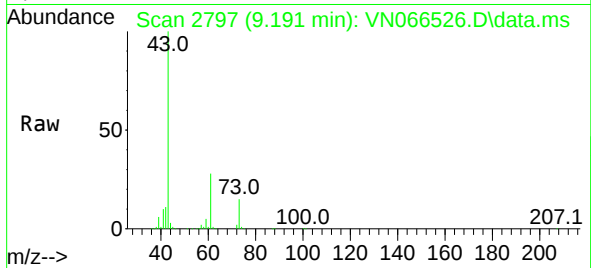
Tgt Ion: 41 Resp: 6963
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



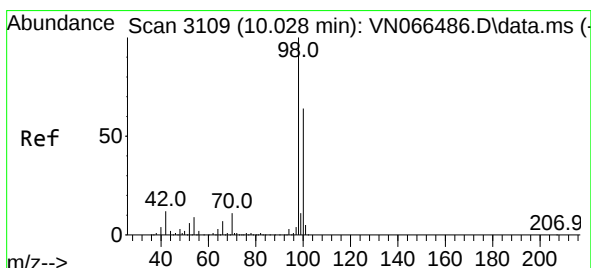
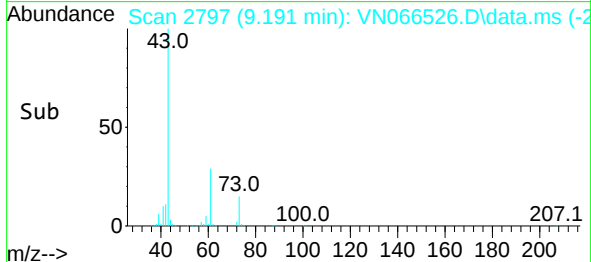
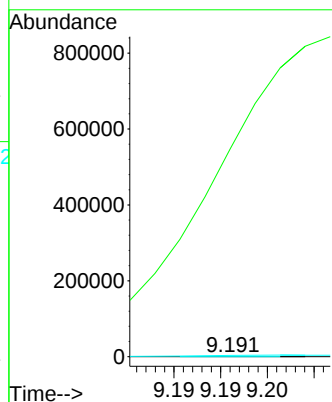


#49
1,4-Dioxane
Concen: 0.50 ug/l
RT: 9.191 min Scan# 2797
Delta R.T. 0.062 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

Instrument :
MSVOA_N
ClientSampled :

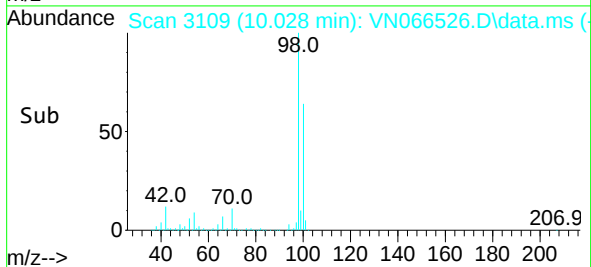
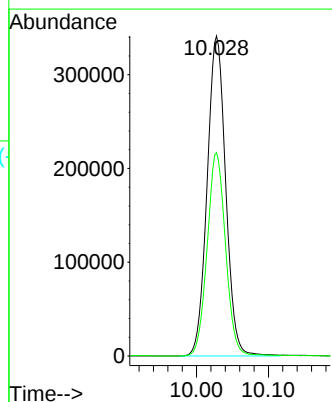
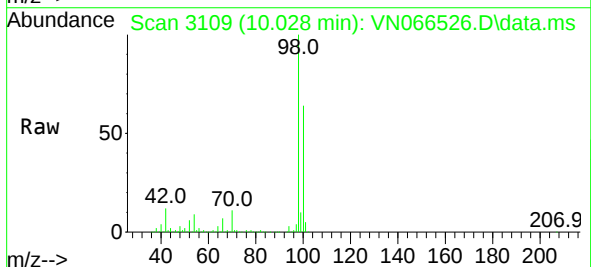


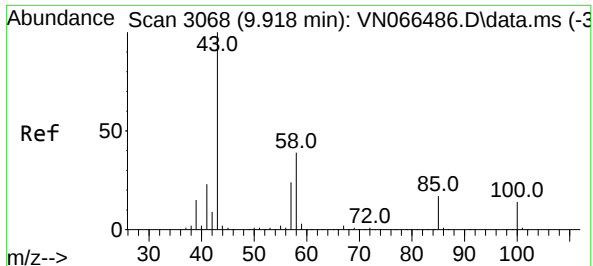
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 0.0 28.2 42.4#
58 0.0 56.6 84.8#



#50
Toluene-d8
Concen: 49.65 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

Tgt Ion: 98 Resp: 613486
Ion Ratio Lower Upper
98 100
100 63.0 50.5 75.7

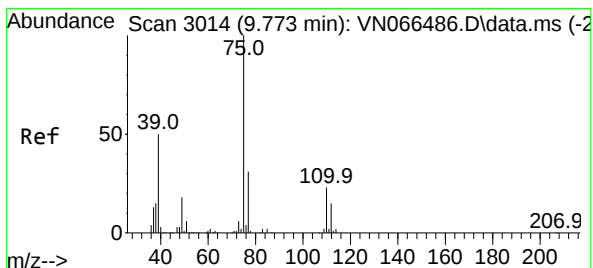
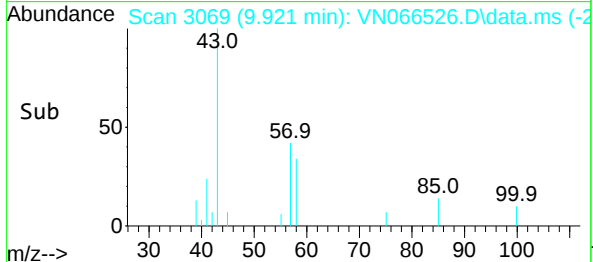
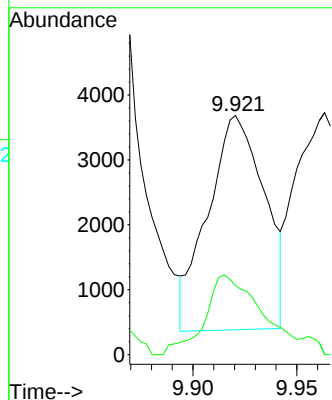
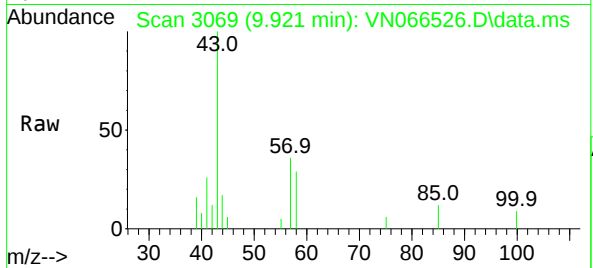




#51
4-Methyl-2-Pentanone
Concen: 1.19 ug/l
RT: 9.921 min Scan# 3069
Delta R.T. 0.003 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

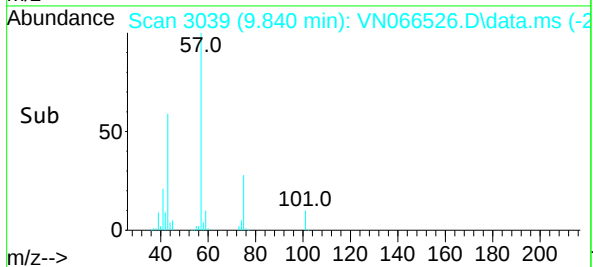
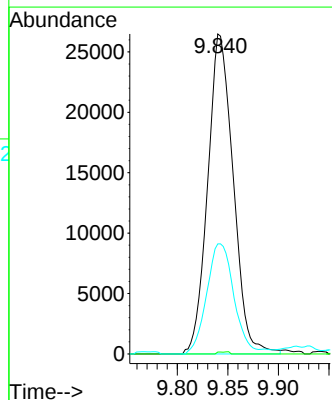
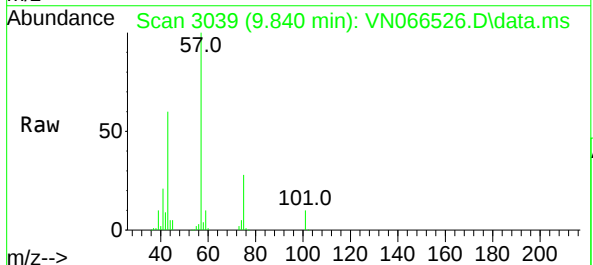
Instrument :
MSVOA_N
ClientSampled :

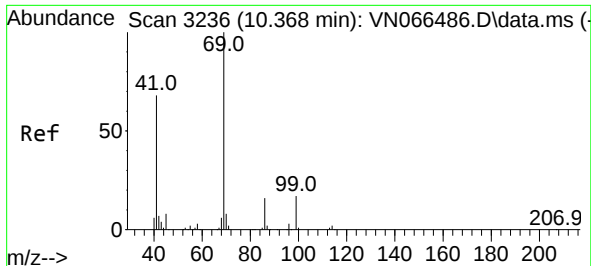
Tgt Ion: 43 Resp: 6262
Ion Ratio Lower Upper
43 100
58 37.1 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 7.87 ug/l
RT: 9.840 min Scan# 3039
Delta R.T. 0.067 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

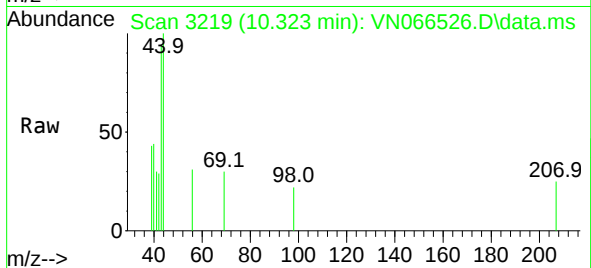
Tgt Ion: 75 Resp: 46538
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.2#
39 34.4 44.2 66.4#



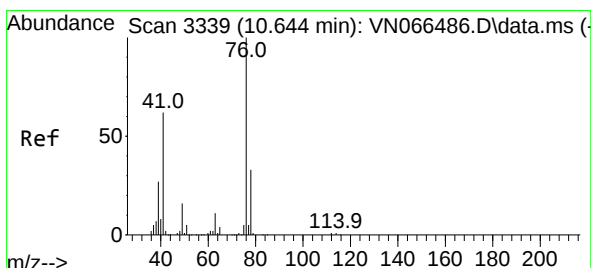
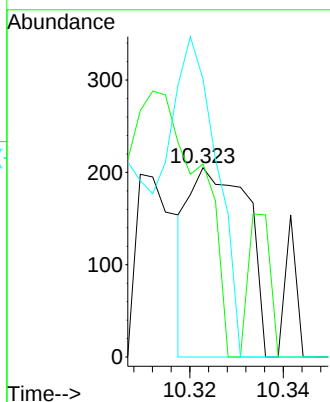
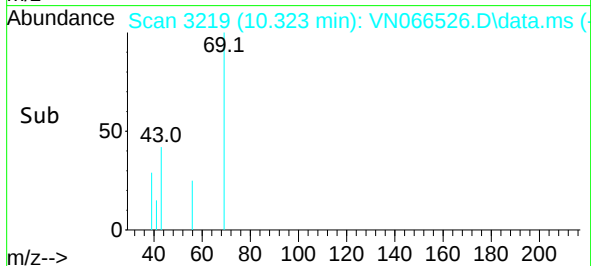


#56
Ethyl methacrylate
Concen: 3.75 ug/l
RT: 10.323 min Scan# 3219
Delta R.T. -0.045 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

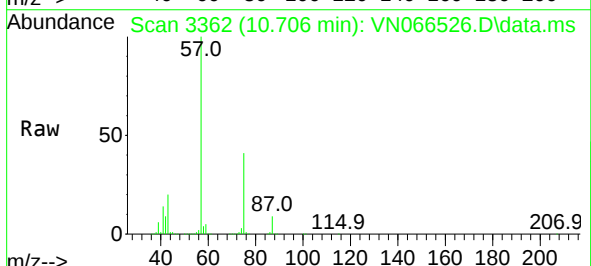
Instrument :
MSVOA_N
ClientSampleId :



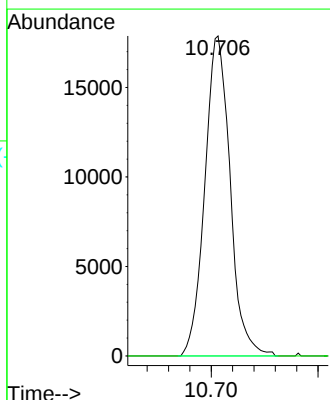
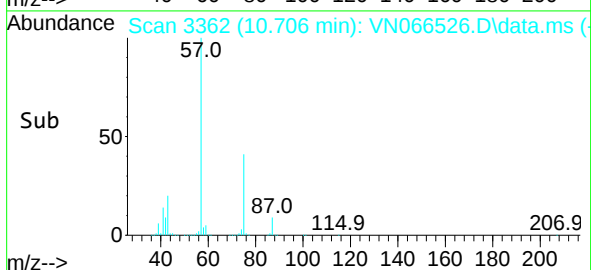
Tgt Ion: 69 Resp: 178
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 0.0 33.8 50.6#

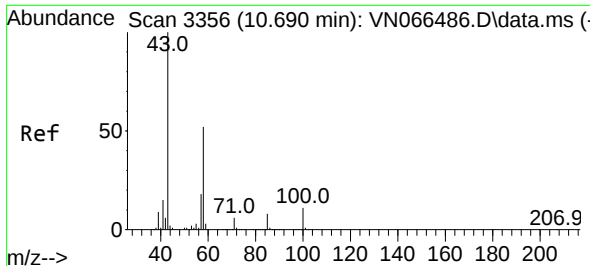


#57
1,3-Dichloropropane
Concen: 4.93 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18



Tgt Ion: 76 Resp: 29376
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

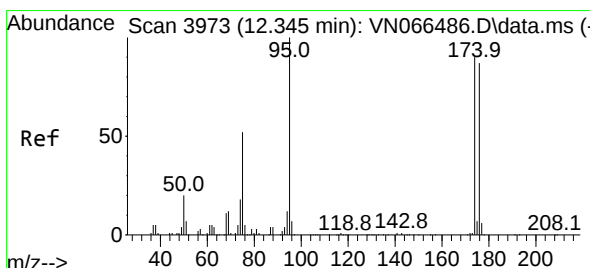
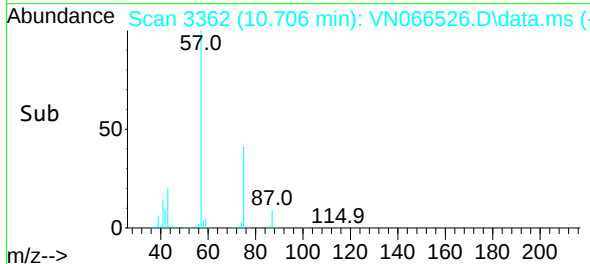
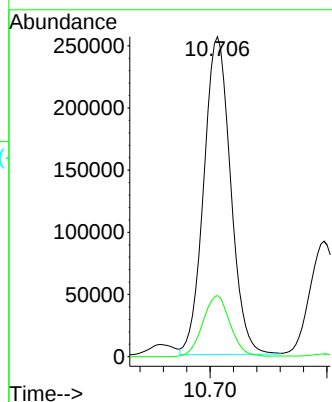
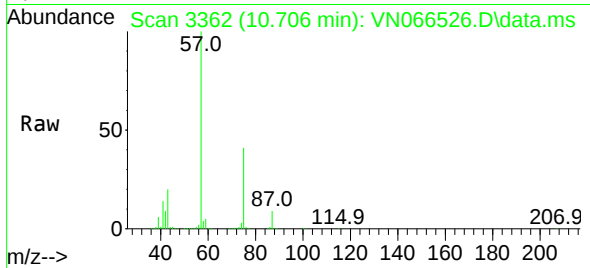




#59
2-Hexanone
Concen: 106.25 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

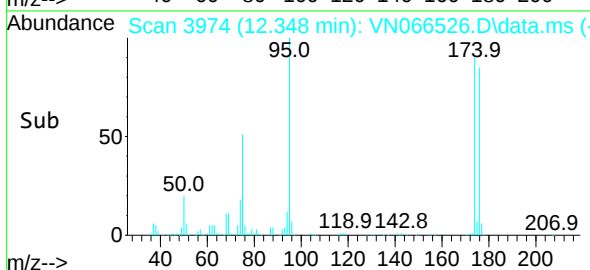
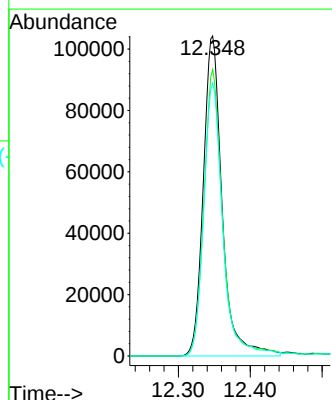
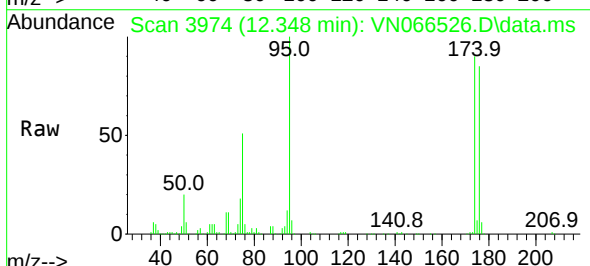
Instrument :
MSVOA_N
ClientSampled :

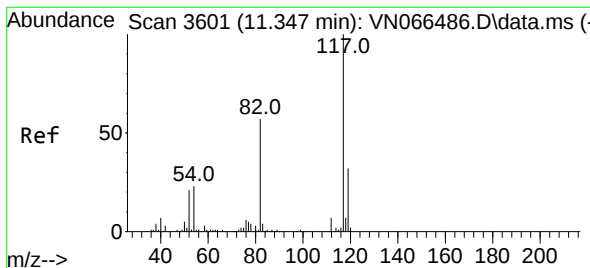
Tgt Ion: 43 Resp: 407325
Ion Ratio Lower Upper
43 100
58 19.7 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 47.56 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

Tgt Ion: 95 Resp: 190569
Ion Ratio Lower Upper
95 100
174 89.4 0.0 172.2
176 86.6 0.0 167.8

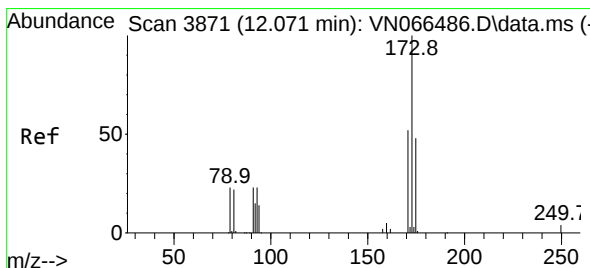
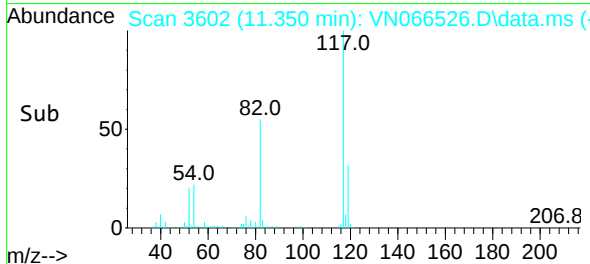
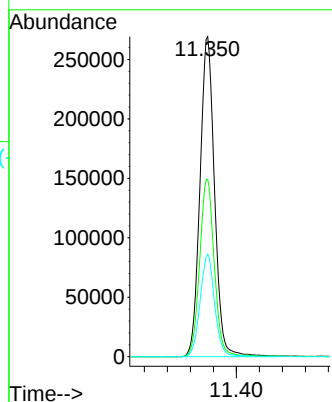
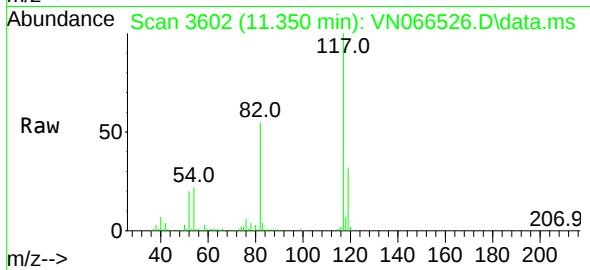




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

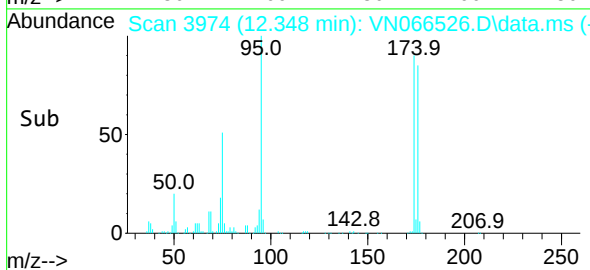
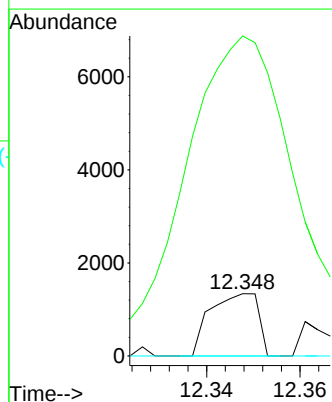
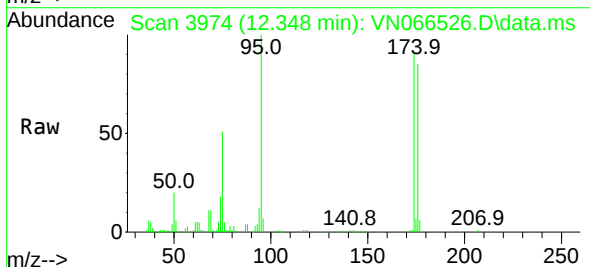
Instrument :
MSVOA_N
ClientSampleId :

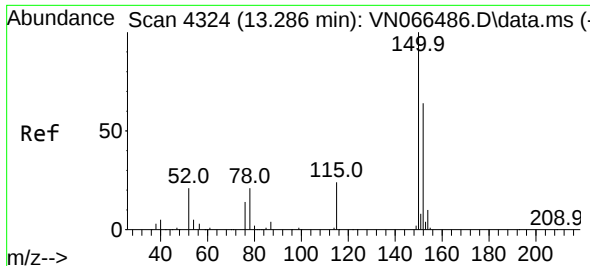
Tgt Ion:117 Resp: 474287
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.4
119 32.1 25.8 38.6



#71
Bromoform
Concen: 0.32 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.277 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

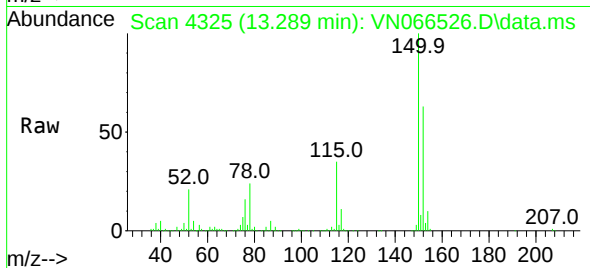
Tgt Ion:173 Resp: 958
Ion Ratio Lower Upper
173 100
175 1093.5 24.3 72.8#
254 0.0 0.0 0.0



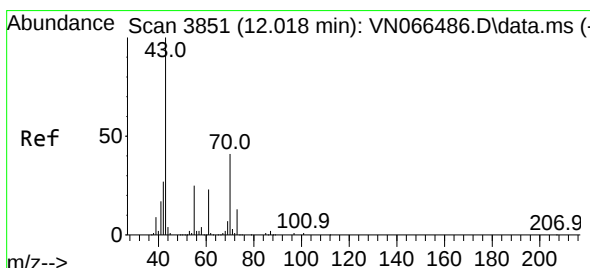
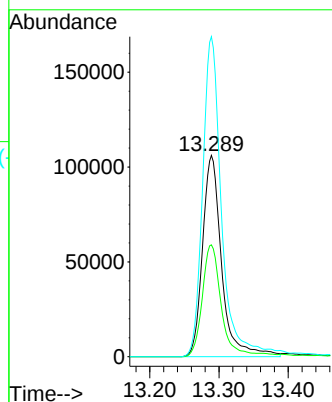
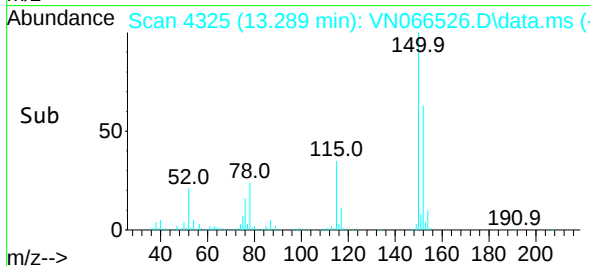


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

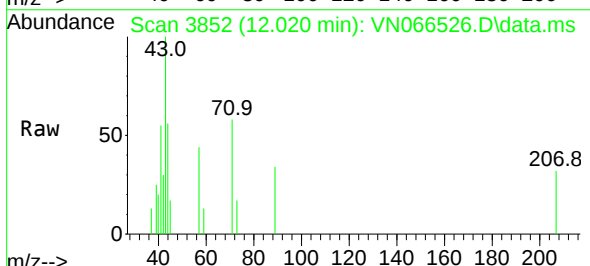
Instrument :
MSVOA_N
ClientSampleId :



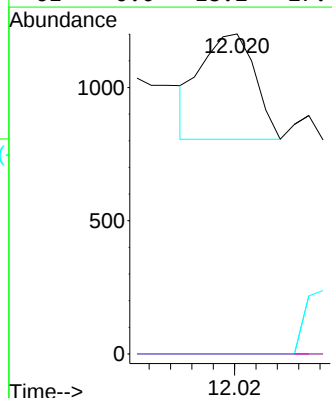
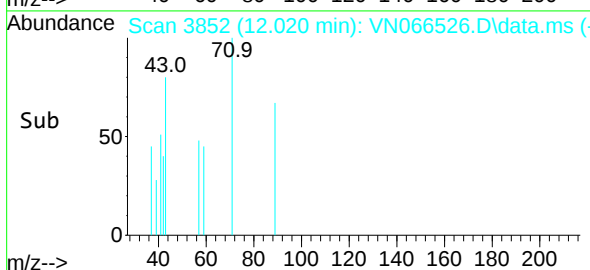
Tgt Ion:152 Resp: 204343
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 155.0 0.0 348.4

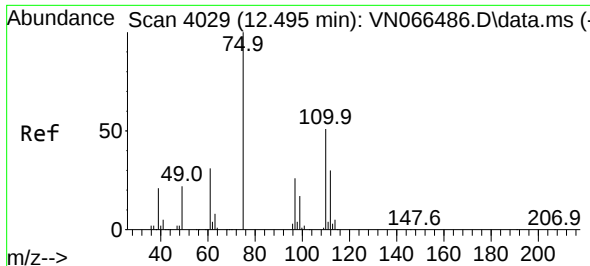


#74
N-amy1 acetate
Concen: 12.77 ug/l
RT: 12.020 min Scan# 3852
Delta R.T. 0.002 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18



Tgt Ion: 43 Resp: 279
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#

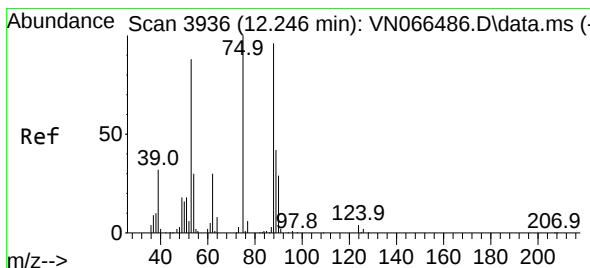
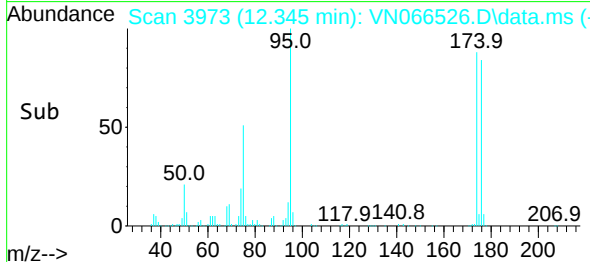
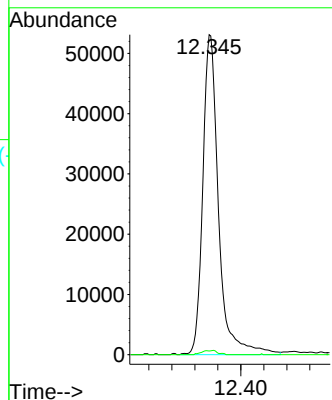
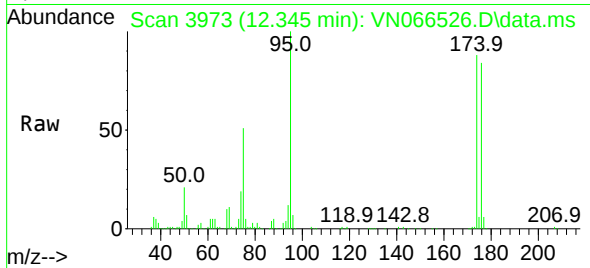




#76
1,2,3-Trichloropropane
Concen: 21.87 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

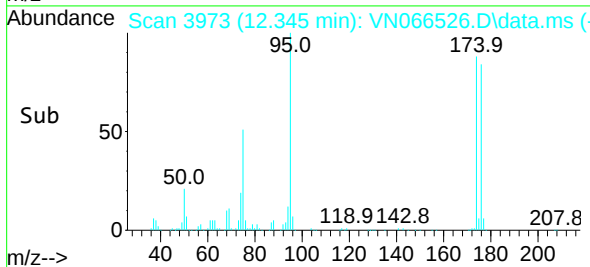
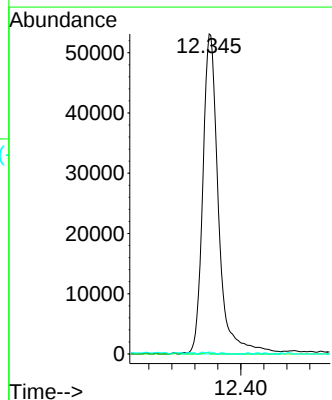
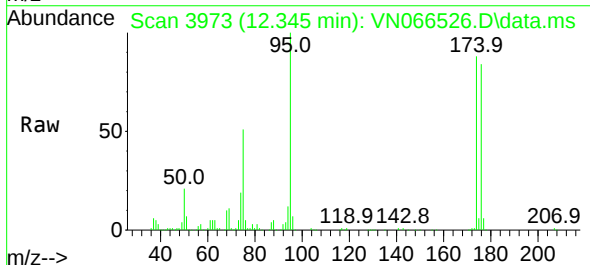
Instrument :
MSVOA_N
ClientSampled :

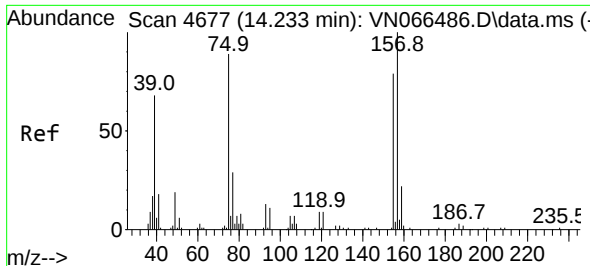
Tgt Ion: 75 Resp: 100800
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.90 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

Tgt Ion: 75 Resp: 100800
Ion Ratio Lower Upper
75 100
53 0.2 76.1 114.1#
89 0.2 35.7 53.5#

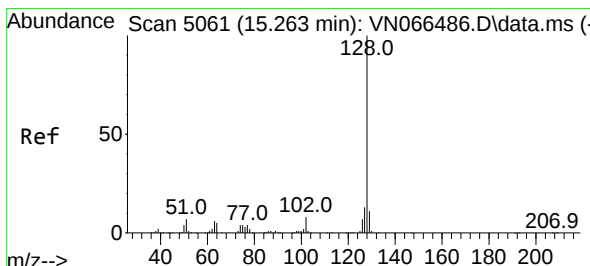
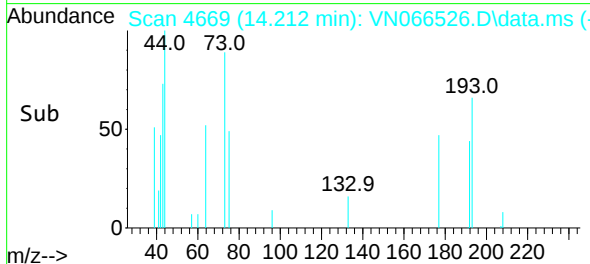
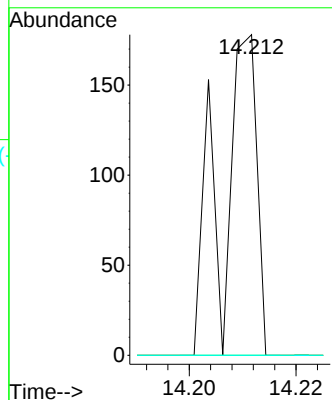
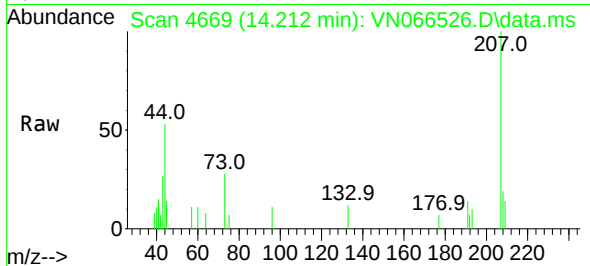




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.41 ug/l
RT: 14.212 min Scan# 4669
Delta R.T. -0.021 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 81
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#



#95
Naphthalene
Concen: 1.99 ug/l
RT: 15.279 min Scan# 5067
Delta R.T. 0.016 min
Lab File: VN066526.D
Acq: 7 Apr 2021 23:18

Tgt Ion: 128 Resp: 204
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#

