

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040721\
 Data File : VN066527.D
 Acq On : 7 Apr 2021 23:41
 Operator : JC/MD
 Sample : PB135583ZH#16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 08 02:01:19 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)

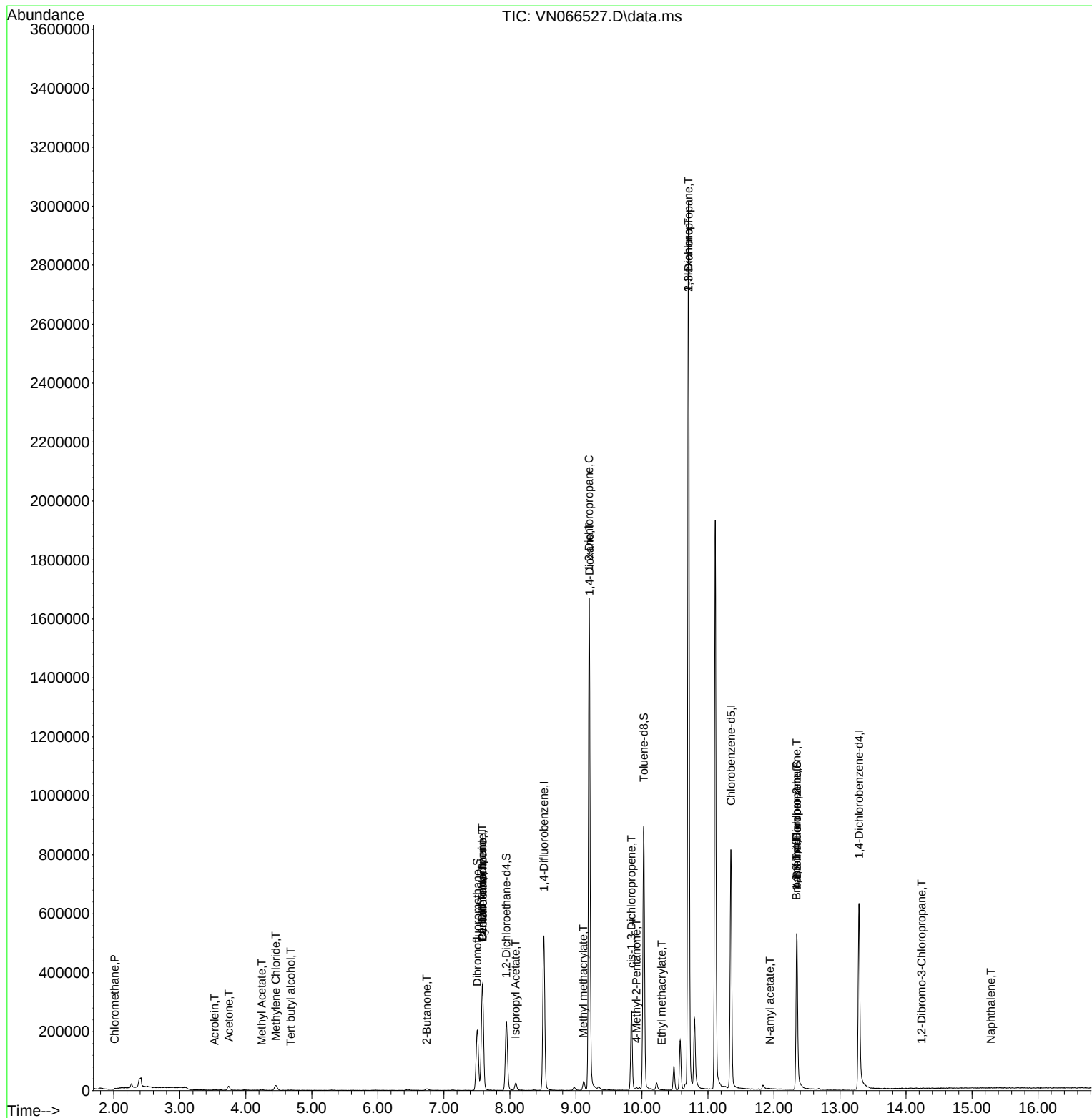
Internal Standards						
1) Pentafluorobenzene	7.587	168	304516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	465761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	468039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	200739	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	195343	48.71	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.42%		
35) Dibromofluoromethane	7.504	113	159194	50.15	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.30%		
50) Toluene-d8	10.028	98	604409	50.11	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.22%		
62) 4-Bromofluorobenzene	12.348	95	194299	49.68	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.36%		
Target Compounds						Qvalue
3) Chloromethane	2.014	50	1139	0.25	ug/l	94
11) Tert butyl alcohol	4.683	59	310	0.48	ug/l #	85
13) Acrolein	3.527	56	443	4.91	ug/l #	36
16) Acetone	3.741	43	22587	13.44	ug/l	100
18) Methyl Acetate	4.240	43	6275	1.49	ug/l #	85
20) Methylene Chloride	4.455	84	12095	3.35	ug/l	89
25) 2-Butanone	6.742	43	5395	2.14	ug/l	93
31) Cyclohexane	7.587	56	6537	1.19	ug/l #	17
36) 1,1-Dichloropropene	7.582	75	22087	4.88	ug/l #	47
38) Carbon Tetrachloride	7.582	117	27722	6.04	ug/l #	17
43) Isopropyl Acetate	8.089	43	29930	3.45	ug/l	98
45) 1,2-Dichloropropane	9.199	63	1986	0.53	ug/l #	43
48) Methyl methacrylate	9.113	41	6432	1.67	ug/l #	12
49) 1,4-Dioxane	9.207	88	26	0.50	ug/l #	1
51) 4-Methyl-2-Pentanone	9.918	43	6064	1.18	ug/l	100
54) cis-1,3-Dichloropropene	9.840	75	49080	8.50	ug/l #	62
56) Ethyl methacrylate	10.301	69	178	3.75	ug/l #	22
57) 1,3-Dichloropropane	10.706	76	30150	5.19	ug/l #	43
59) 2-Hexanone	10.706	43	424734	112.34	ug/l #	53
71) Bromoform	12.342	173	2058	0.69	ug/l #	1
74) N-amyl acetate	11.940	43	261	12.77	ug/l #	18
76) 1,2,3-Trichloropropane	12.345	75	95706	21.14	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	95706	59.04	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.233	75	26	0.36	ug/l #	1
95) Naphthalene	15.287	128	90	1.98	ug/l #	69

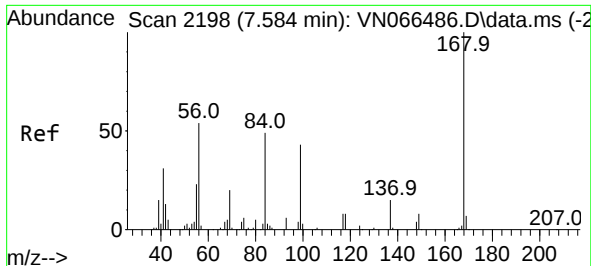
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

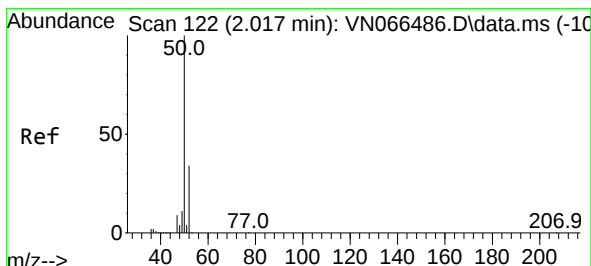
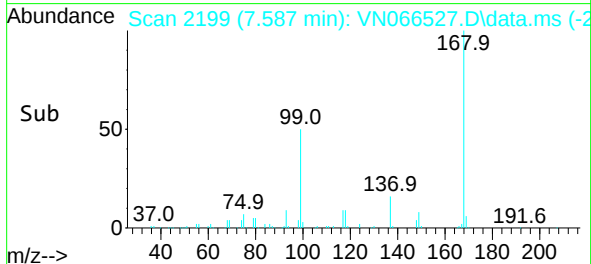
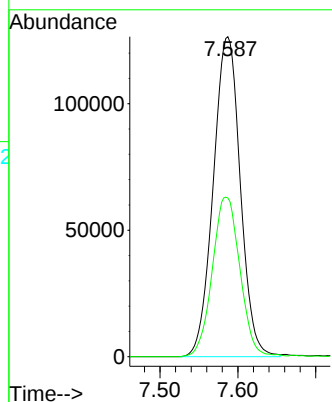
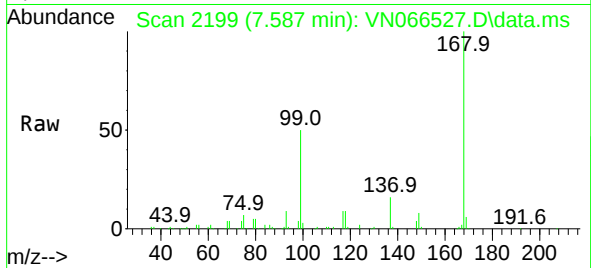




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.003 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

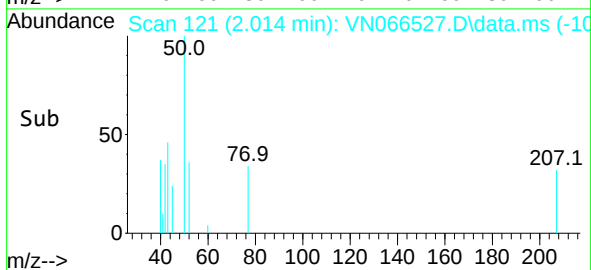
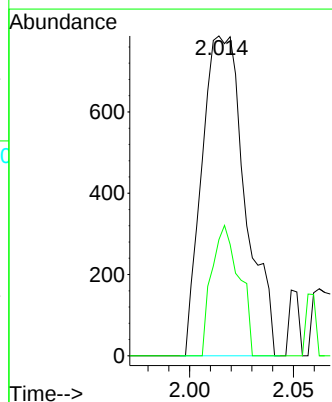
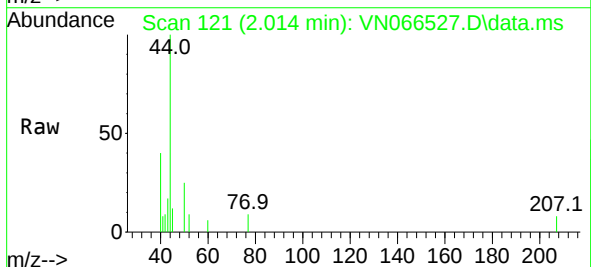
Instrument :
MSVOA_N
ClientSampled :

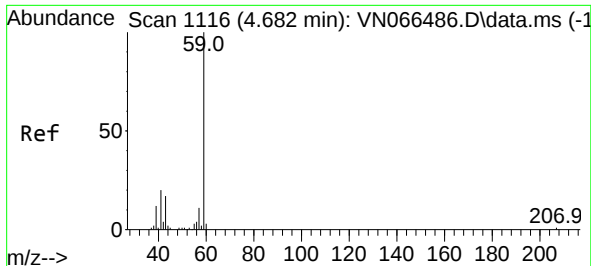
Tgt Ion:168 Resp: 304516
Ion Ratio Lower Upper
168 100
99 49.6 41.1 61.7



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

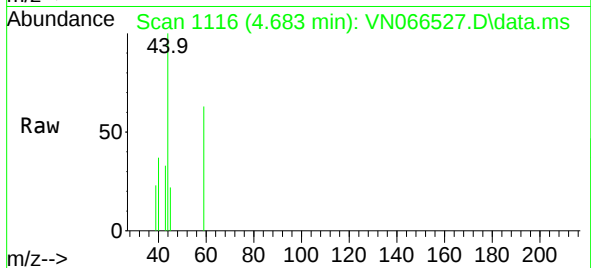
Tgt Ion: 50 Resp: 1139
Ion Ratio Lower Upper
50 100
52 36.3 26.2 39.2



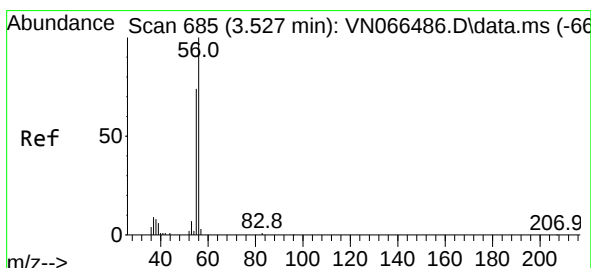
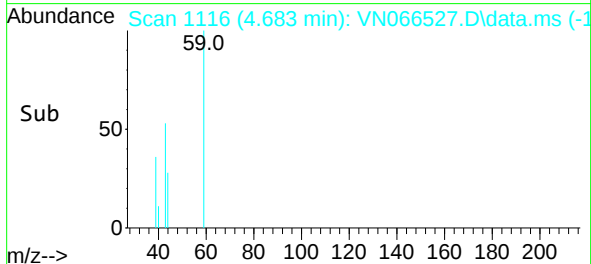
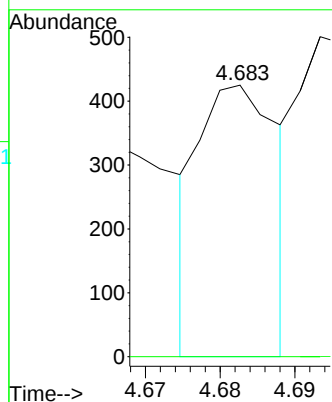


#11
Tert butyl alcohol
Concen: 0.48 ug/l
RT: 4.683 min Scan# 1116
Delta R.T. 0.001 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Instrument :
MSVOA_N
ClientSampled :

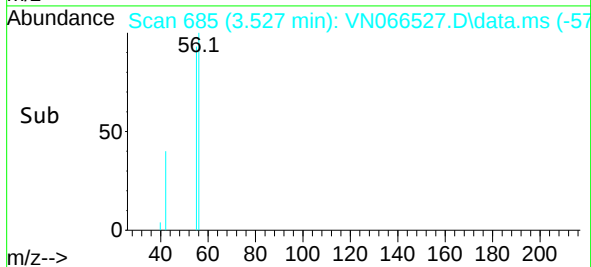
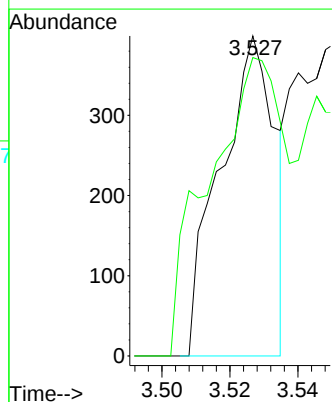
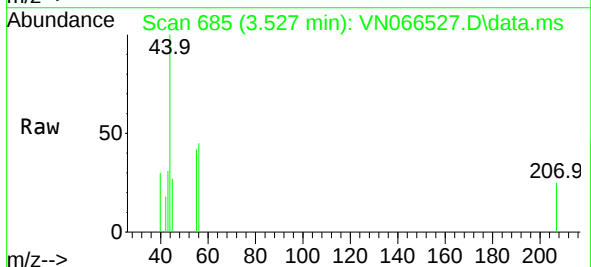


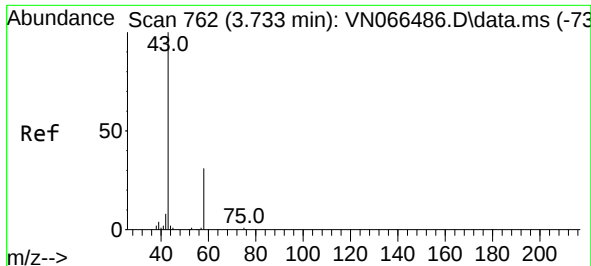
Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#



#13
Acrolein
Concen: 4.91 ug/l
RT: 3.527 min Scan# 685
Delta R.T. -0.000 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Tgt Ion: 56 Resp: 443
Ion Ratio Lower Upper
56 100
55 126.2 57.9 86.9#

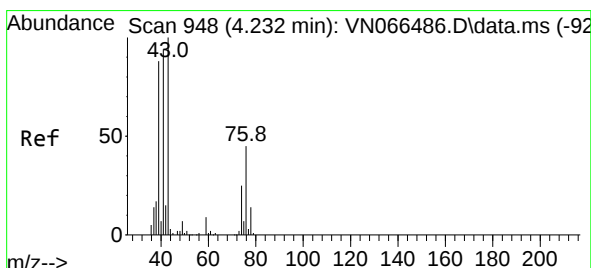
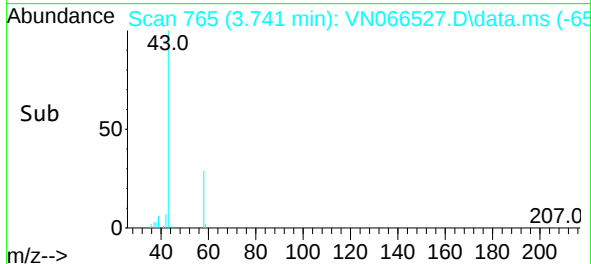
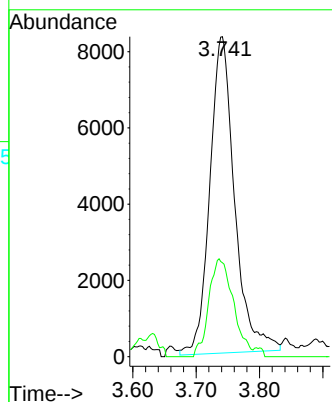
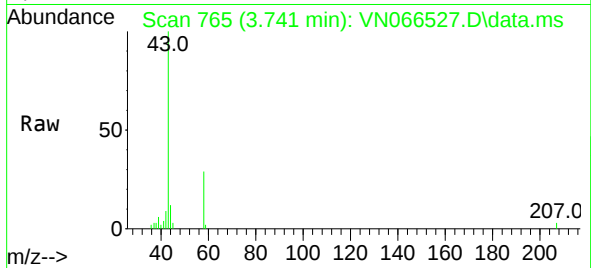




#16
Acetone
Concen: 13.44 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.008 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

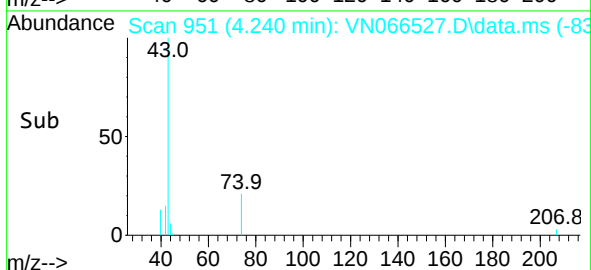
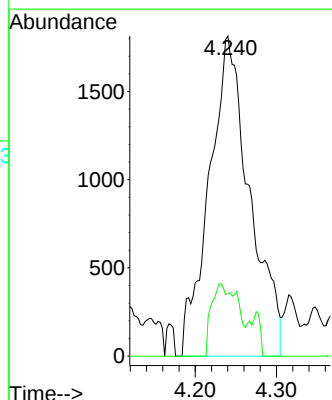
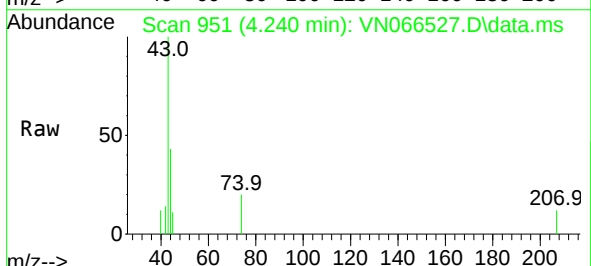
Instrument :
MSVOA_N
ClientSampled :

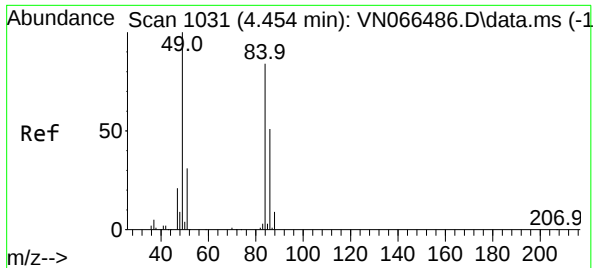
Tgt Ion: 43 Resp: 22587
Ion Ratio Lower Upper
43 100
58 29.9 23.8 35.8



#18
Methyl Acetate
Concen: 1.49 ug/l
RT: 4.240 min Scan# 951
Delta R.T. 0.008 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

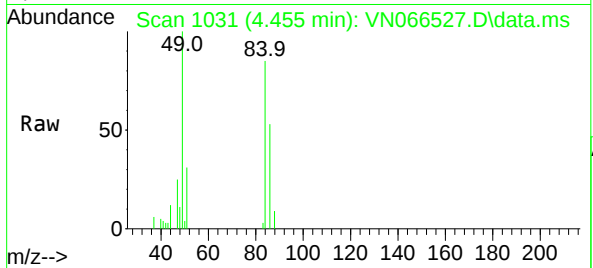
Tgt Ion: 43 Resp: 6275
Ion Ratio Lower Upper
43 100
74 14.7 17.6 26.4#



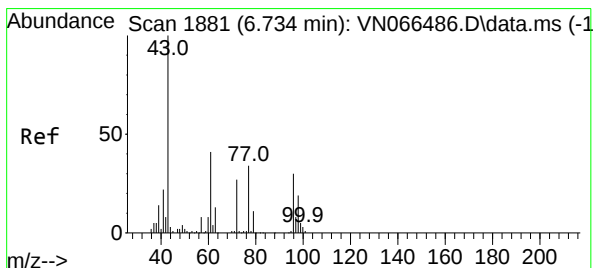
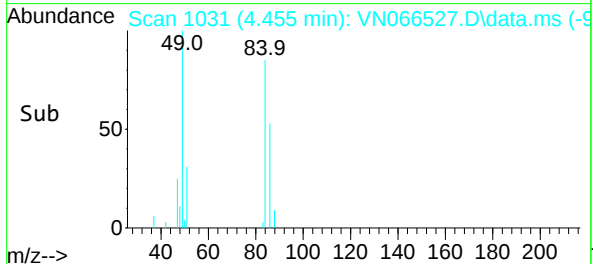
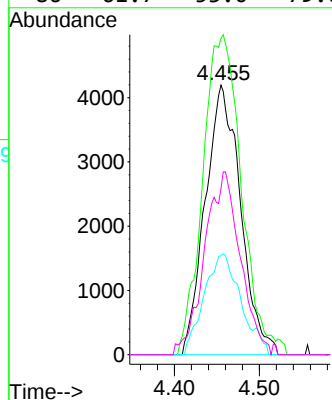


#20
Methylene Chloride
Concen: 3.35 ug/l
RT: 4.455 min Scan# 1031
Delta R.T. 0.001 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Instrument :
MSVOA_N
ClientSampled :

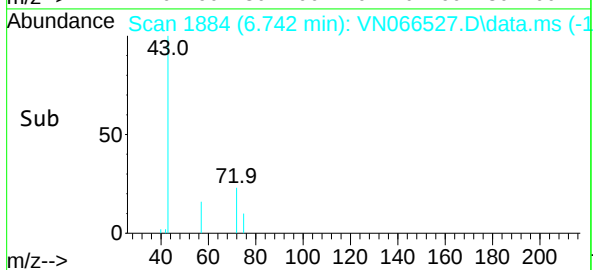
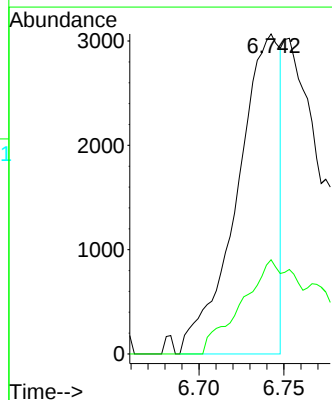
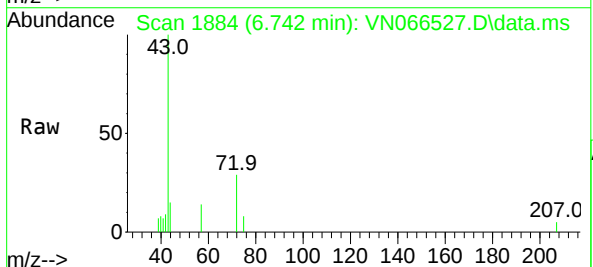


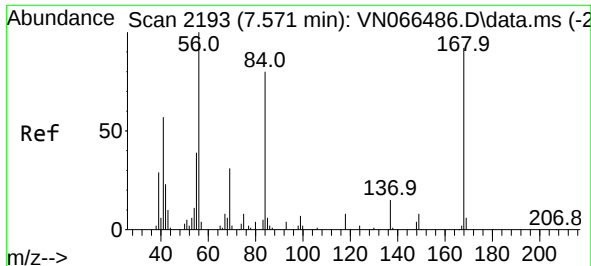
Tgt Ion:	84	Resp:	12095
Ion	Ratio	Lower	Upper
84	100		
49	113.1	105.0	157.6
51	36.8	31.6	47.4
86	61.7	53.0	79.6



#25
2-Butanone
Concen: 2.14 ug/l
RT: 6.742 min Scan# 1884
Delta R.T. 0.008 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

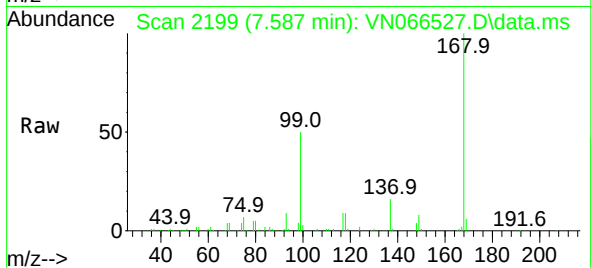
Tgt Ion:	43	Resp:	5395
Ion	Ratio	Lower	Upper
43	100		
72	29.5	20.7	31.1



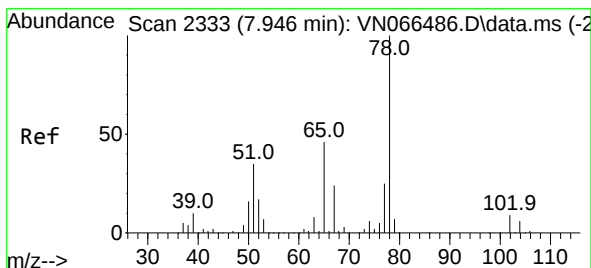
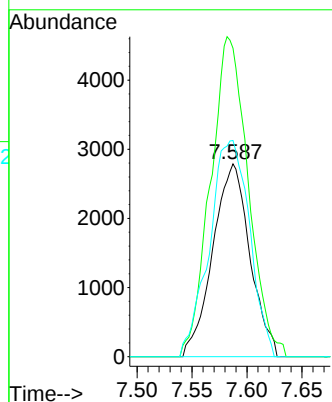
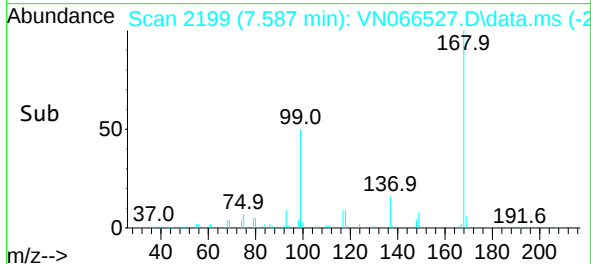


#31
Cyclohexane
Concen: 1.19 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.016 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

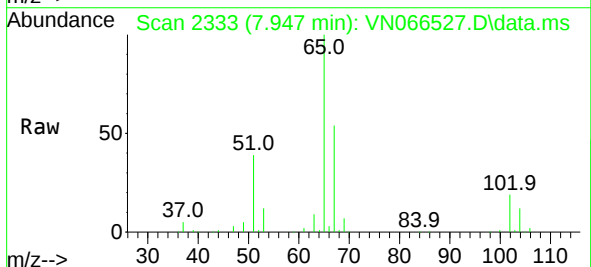
Instrument :
MSVOA_N
ClientSampled :



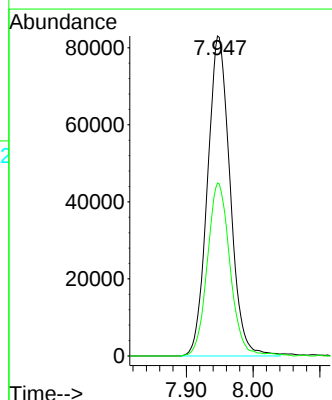
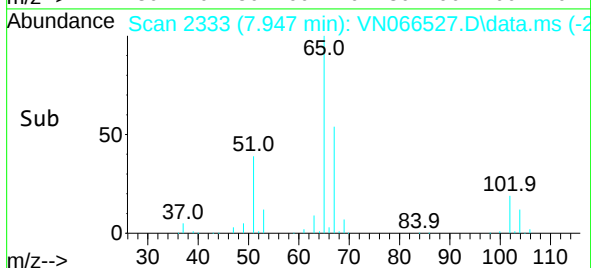
Tgt Ion: 56 Resp: 6537
Ion Ratio Lower Upper
56 100
69 160.0 26.6 40.0#
84 112.1 68.7 103.1#

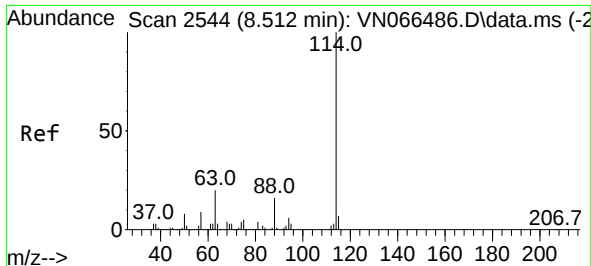


#33
1,2-Dichloroethane-d4
Concen: 48.71 ug/l
RT: 7.947 min Scan# 2333
Delta R.T. 0.001 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41



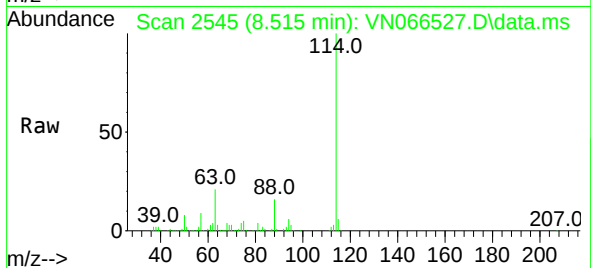
Tgt Ion: 65 Resp: 195343
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.2



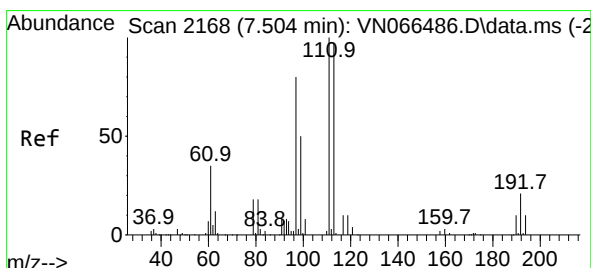
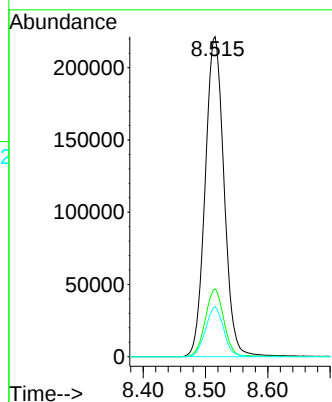
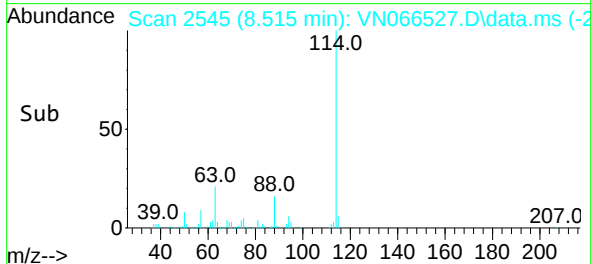


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.003 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

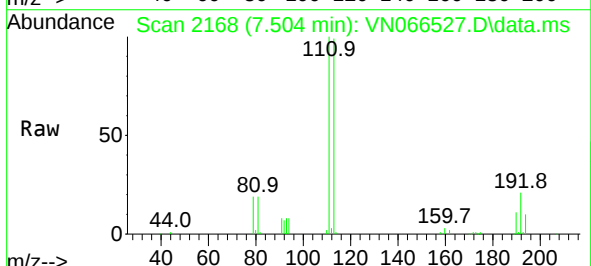
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ClientSampleId :



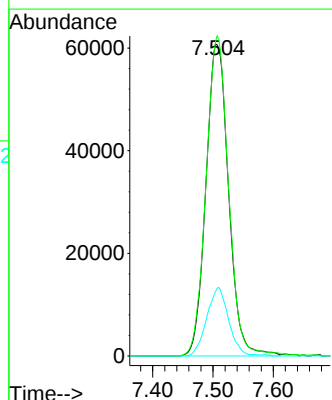
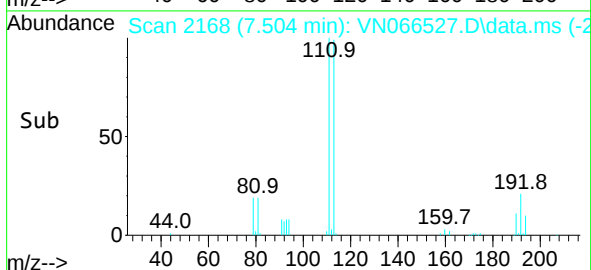
Tgt Ion:114 Resp: 465761
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.0
88 15.6 0.0 31.0

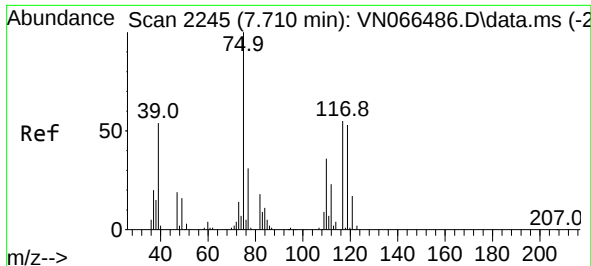


#35
Dibromofluoromethane
Concen: 50.15 ug/l
RT: 7.504 min Scan# 2168
Delta R.T. 0.000 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41



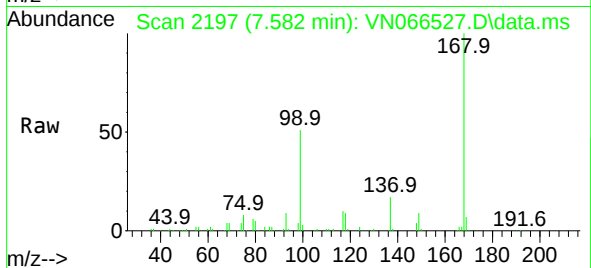
Tgt Ion:113 Resp: 159194
Ion Ratio Lower Upper
113 100
111 101.4 81.8 122.8
192 21.0 17.1 25.7



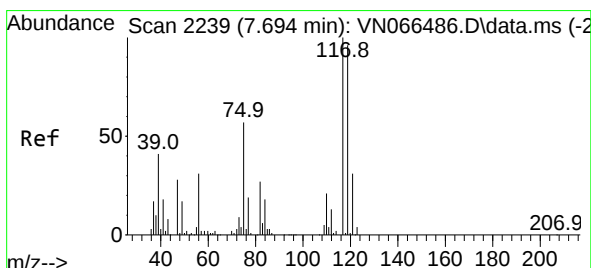
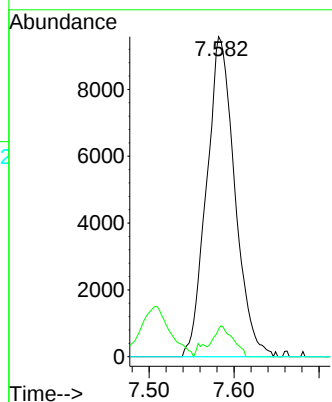
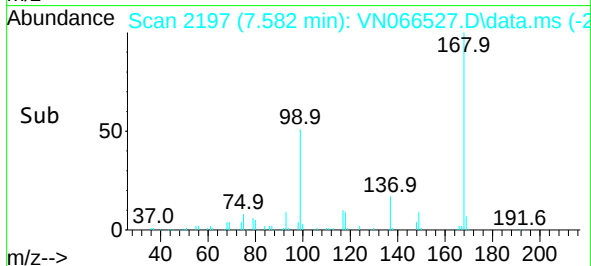


#36
1,1-Dichloropropene
Concen: 4.88 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.128 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

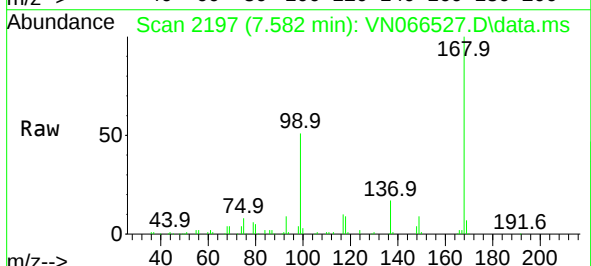
Instrument :
MSVOA_N
ClientSampled :



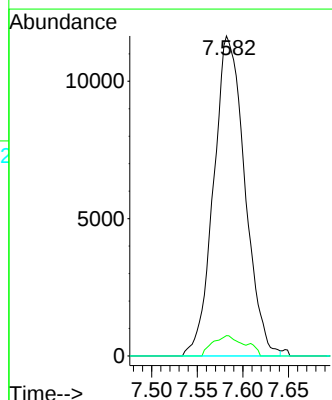
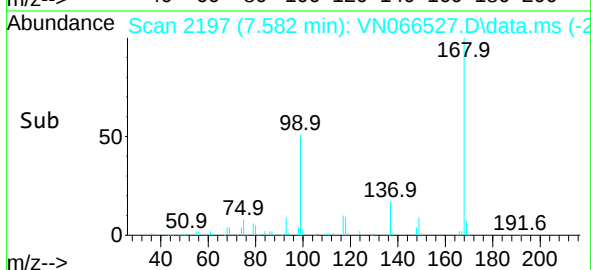
Tgt Ion: 75 Resp: 22087
Ion Ratio Lower Upper
75 100
110 6.5 18.1 54.3#
77 0.0 25.0 37.4#

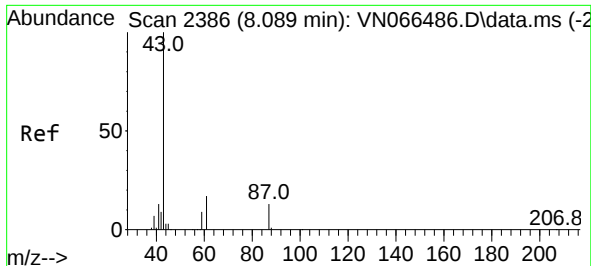


#38
Carbon Tetrachloride
Concen: 6.04 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. -0.112 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41



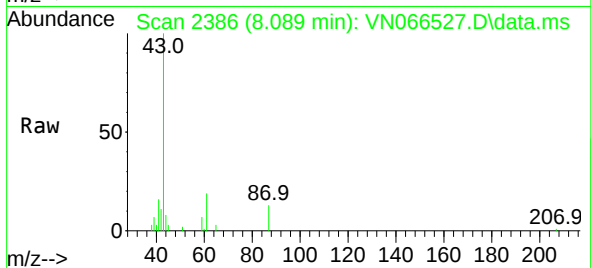
Tgt Ion: 117 Resp: 27722
Ion Ratio Lower Upper
117 100
119 6.4 77.2 115.8#
121 0.0 24.2 36.4#



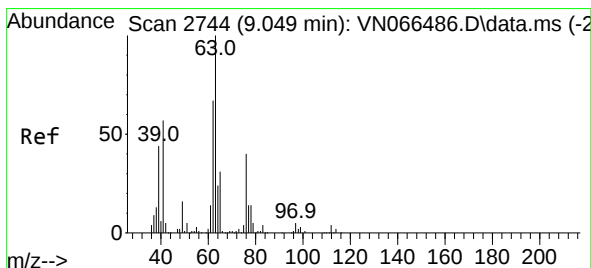
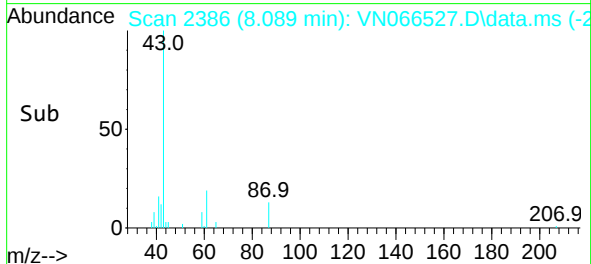
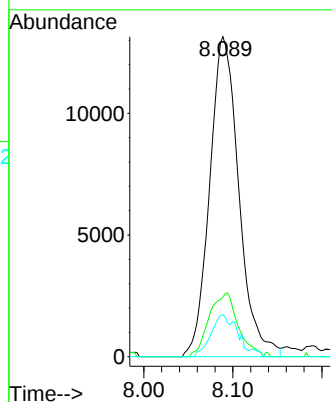


#43
Isopropyl Acetate
Concen: 3.45 ug/l
RT: 8.089 min Scan# 2386
Delta R.T. -0.000 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Instrument :
MSVOA_N
ClientSampled :

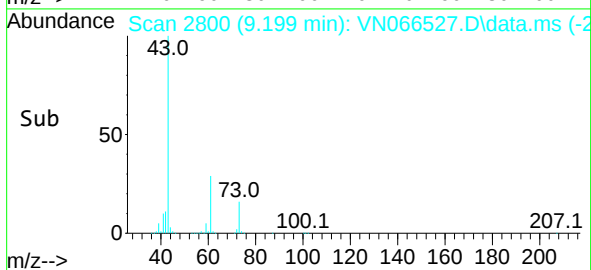
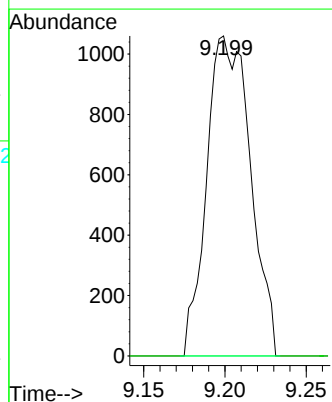
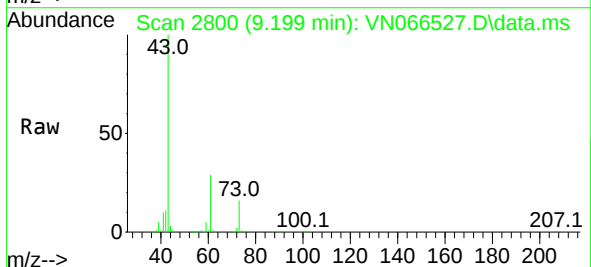


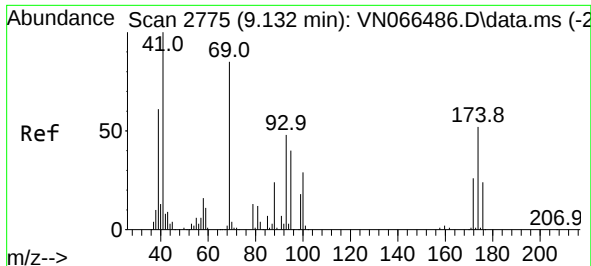
Tgt Ion: 43 Resp: 29930
Ion Ratio Lower Upper
43 100
61 19.7 15.5 23.3
87 11.6 10.5 15.7



#45
1,2-Dichloropropane
Concen: 0.53 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.150 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

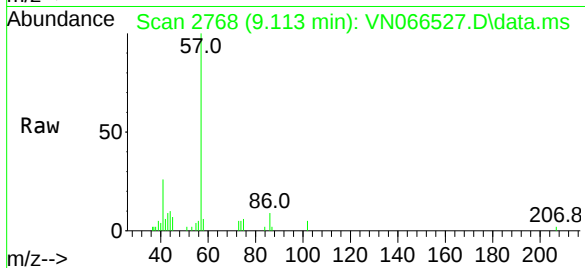
Tgt Ion: 63 Resp: 1986
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



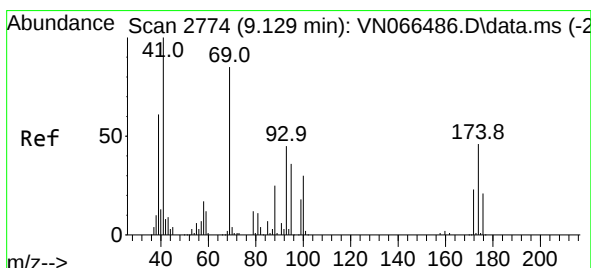
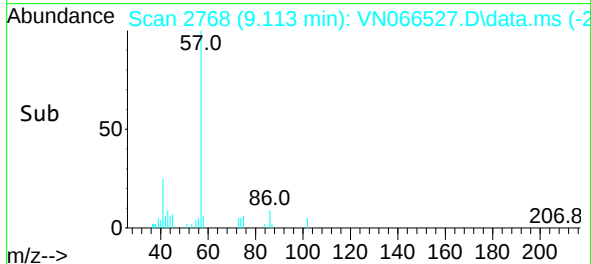
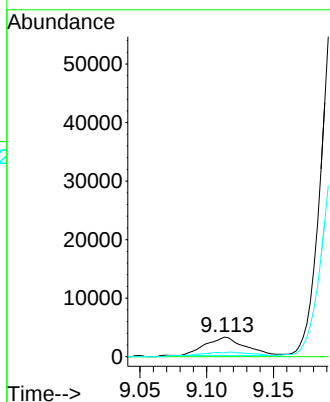


#48
Methyl methacrylate
Concen: 1.67 ug/l
RT: 9.113 min Scan# 2768
Delta R.T. -0.019 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Instrument :
MSVOA_N
ClientSampled :

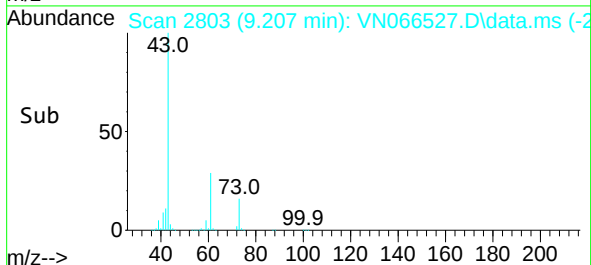
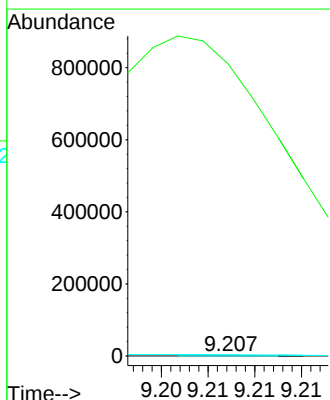
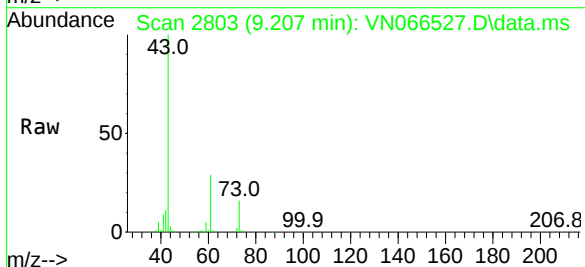


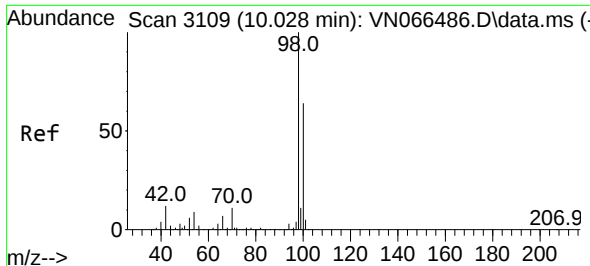
Tgt Ion: 41 Resp: 6432
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



#49
1,4-Dioxane
Concen: 0.50 ug/l
RT: 9.207 min Scan# 2803
Delta R.T. 0.078 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 6294161.5 28.2 42.4#
58 32265.4 56.6 84.8#

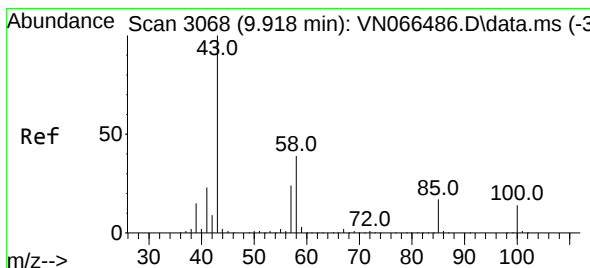
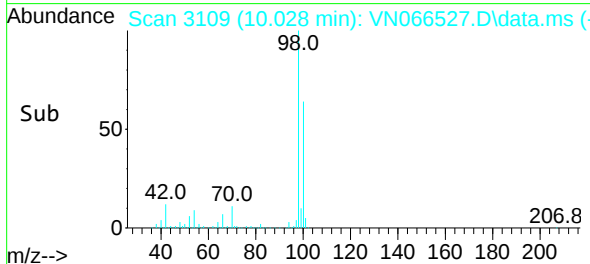
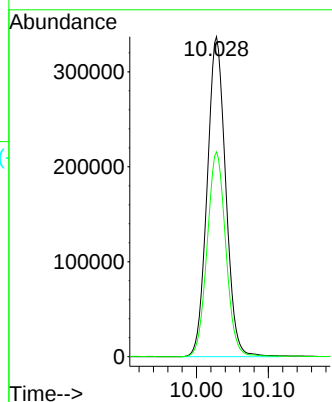
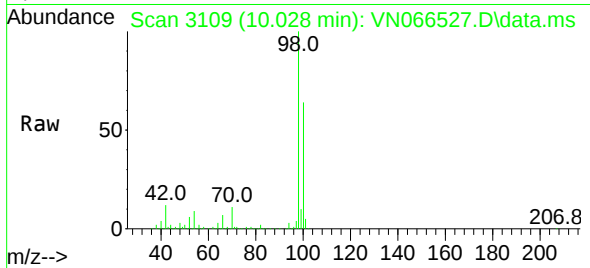




#50
Toluene-d8
Concen: 50.11 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

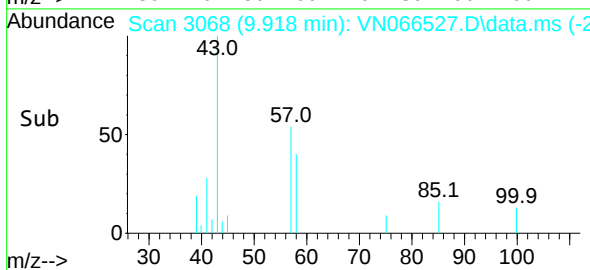
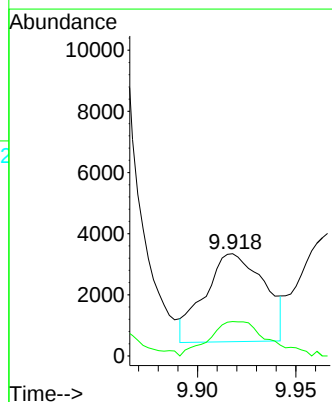
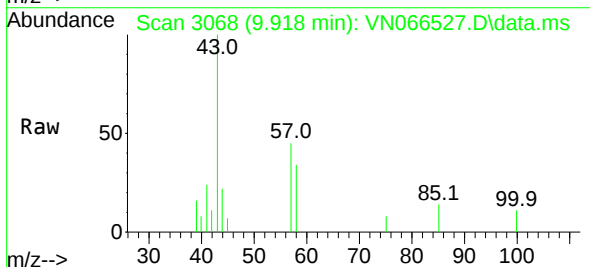
Instrument :
MSVOA_N
ClientSampled :

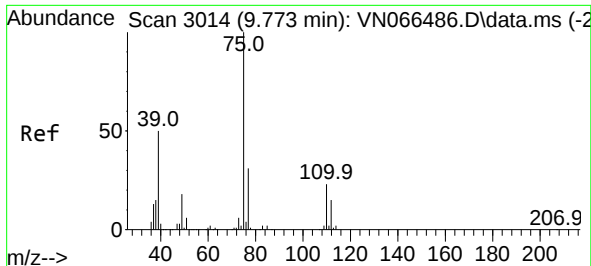
Tgt Ion: 98 Resp: 604409
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.18 ug/l
RT: 9.918 min Scan# 3068
Delta R.T. -0.000 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Tgt Ion: 43 Resp: 6064
Ion Ratio Lower Upper
43 100
58 38.5 30.8 46.2

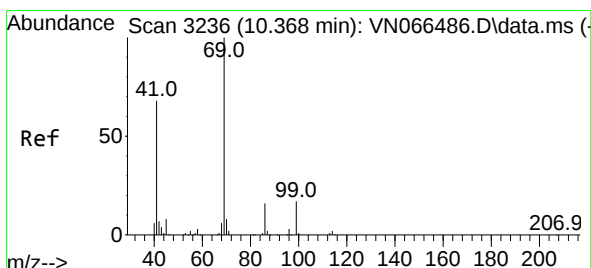
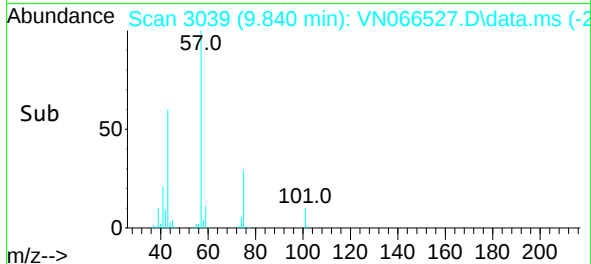
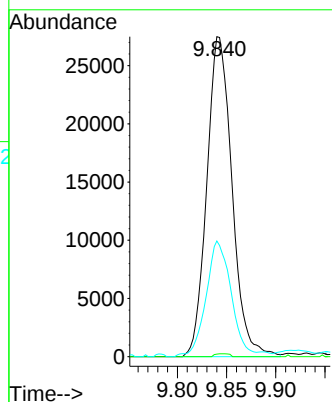
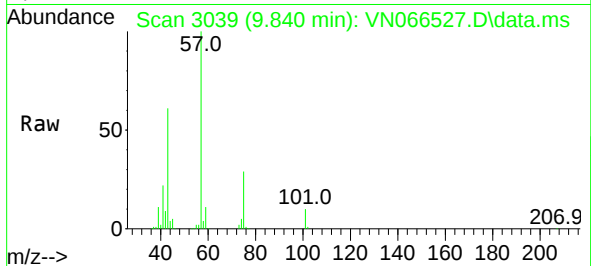




#54
cis-1,3-Dichloropropene
Concen: 8.50 ug/l
RT: 9.840 min Scan# 3039
Delta R.T. 0.067 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

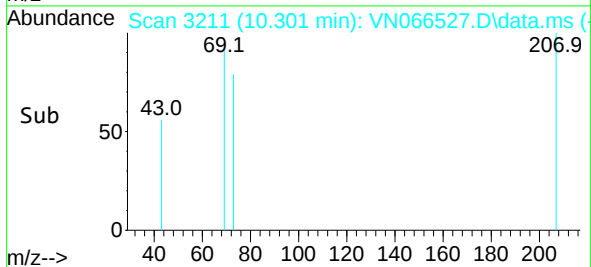
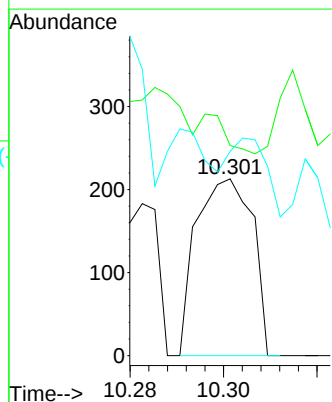
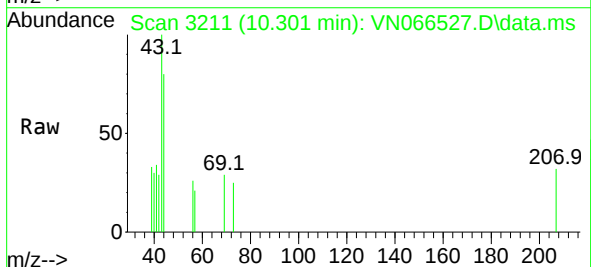
Instrument :
MSVOA_N
ClientSampled :

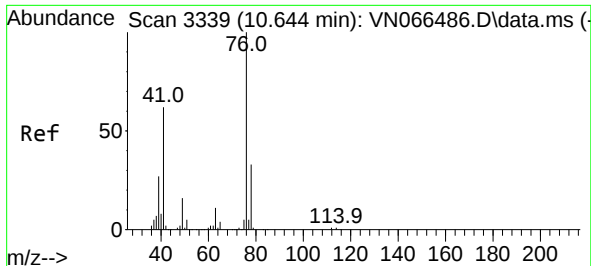
Tgt Ion: 75 Resp: 49080
Ion Ratio Lower Upper
75 100
77 0.8 25.4 38.2#
39 35.3 44.2 66.4#



#56
Ethyl methacrylate
Concen: 3.75 ug/l
RT: 10.301 min Scan# 3211
Delta R.T. -0.067 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

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#

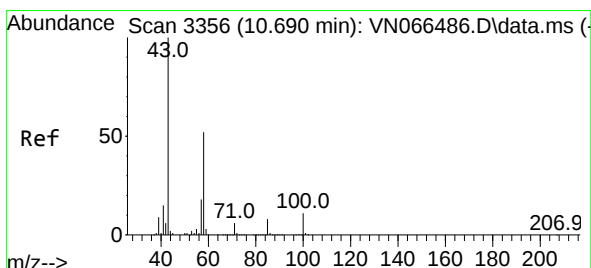
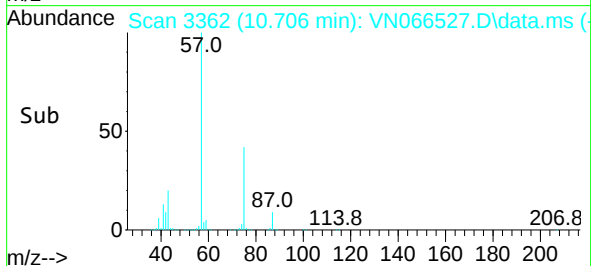
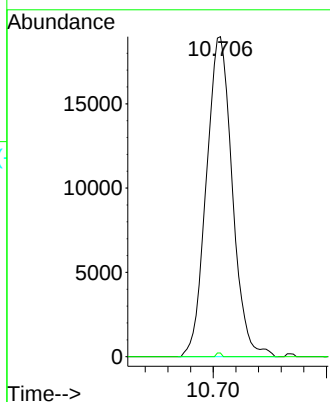
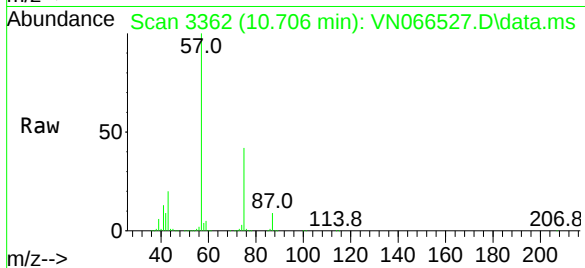




#57
1,3-Dichloropropane
Concen: 5.19 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

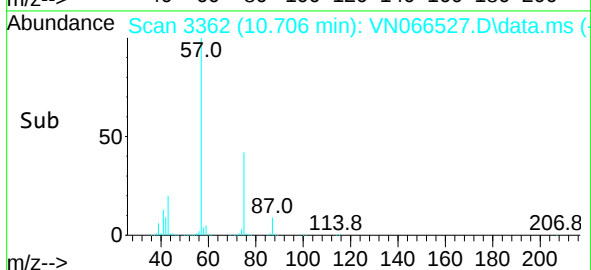
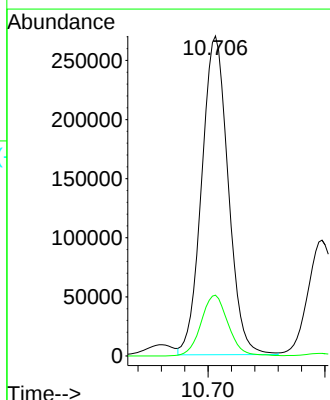
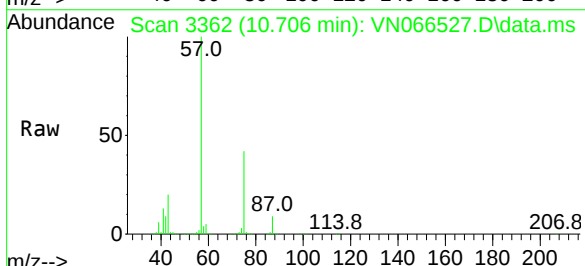
Instrument :
MSVOA_N
ClientSampleId :

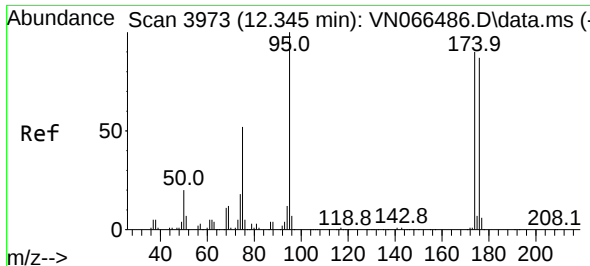
Tgt Ion: 76 Resp: 30150
Ion Ratio Lower Upper
76 100
78 0.2 25.9 38.9#



#59
2-Hexanone
Concen: 112.34 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Tgt Ion: 43 Resp: 424734
Ion Ratio Lower Upper
43 100
58 19.6 26.6 79.8#

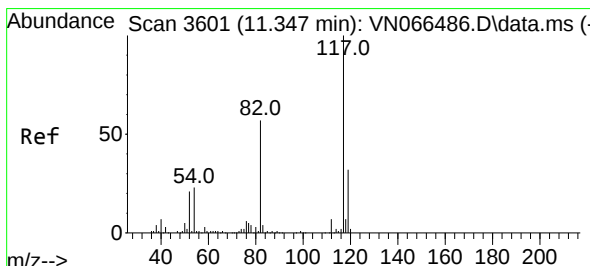
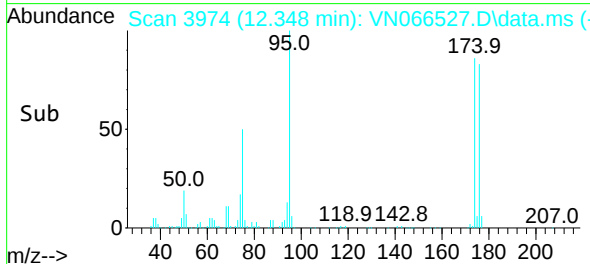
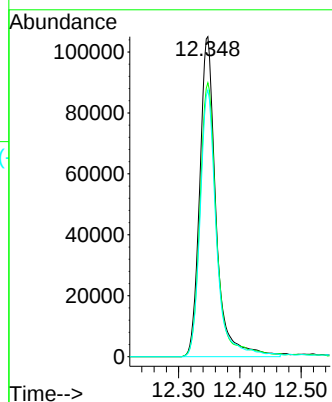
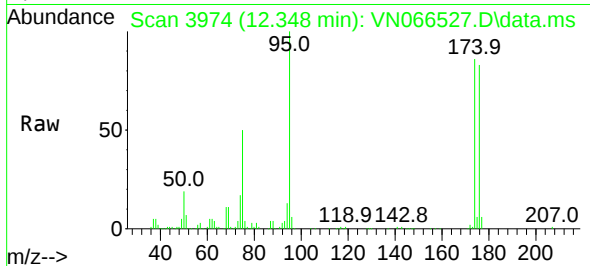




#62
4-Bromofluorobenzene
Concen: 49.68 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.003 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

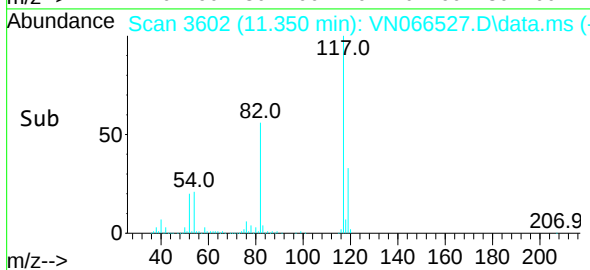
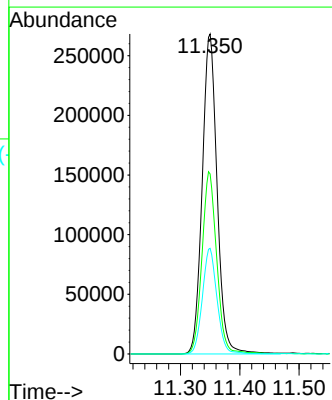
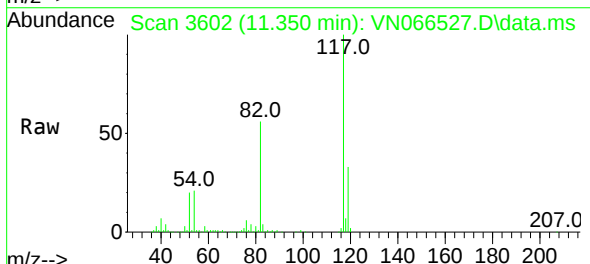
Instrument :
MSVOA_N
ClientSampleId :

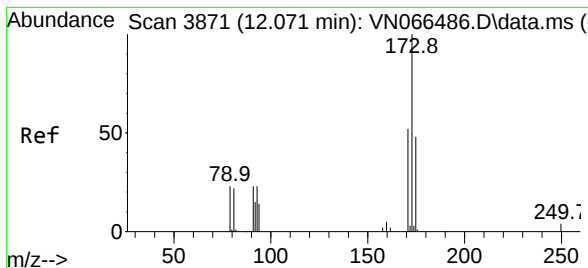
Tgt Ion: 95 Resp: 194299
Ion Ratio Lower Upper
95 100
174 87.7 0.0 172.2
176 81.4 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Tgt Ion: 117 Resp: 468039
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.4
119 33.0 25.8 38.6

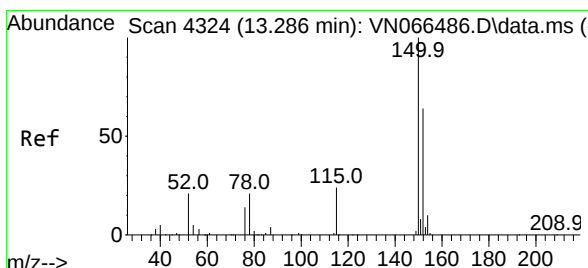
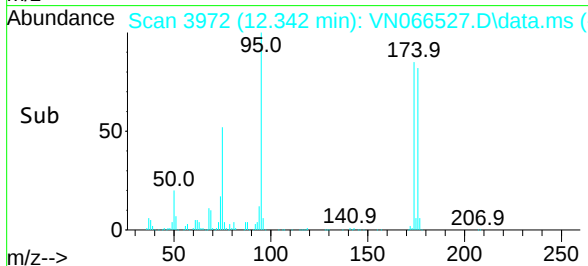
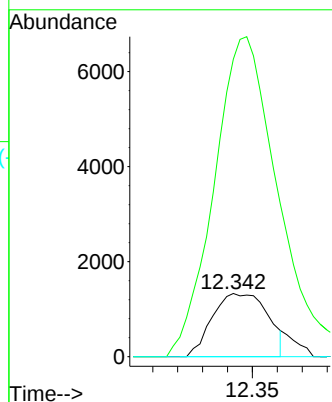
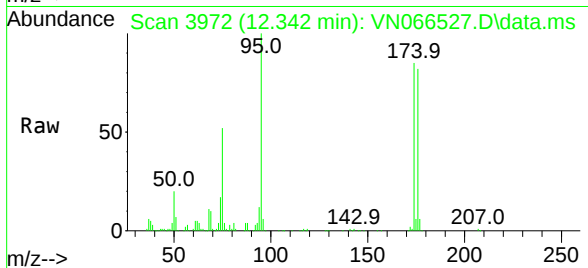




#71
Bromoform
Concen: 0.69 ug/l
RT: 12.342 min Scan# 3972
Delta R.T. 0.271 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

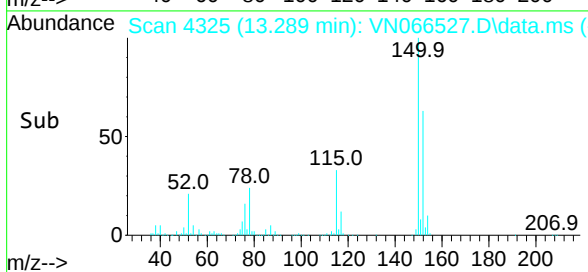
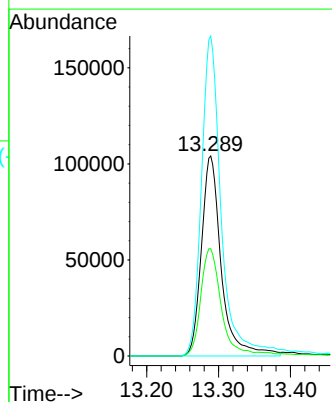
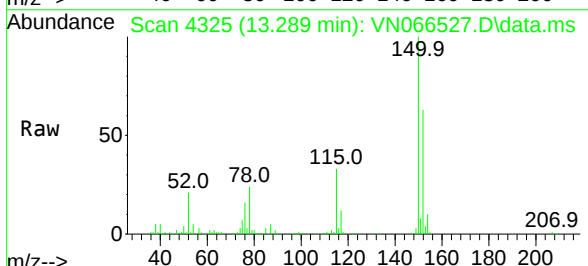
Instrument :
MSVOA_N
ClientSampled :

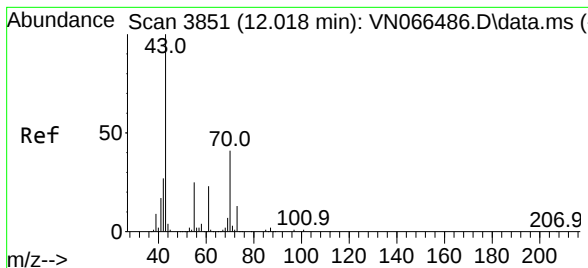
Tgt Ion:173 Resp: 2058
Ion Ratio Lower Upper
173 100
175 504.0 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

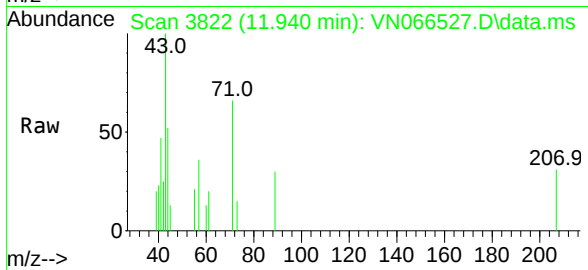
Tgt Ion:152 Resp: 200739
Ion Ratio Lower Upper
152 100
115 54.3 27.8 83.4
150 160.1 0.0 348.4





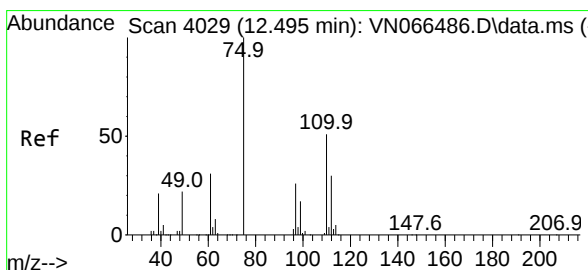
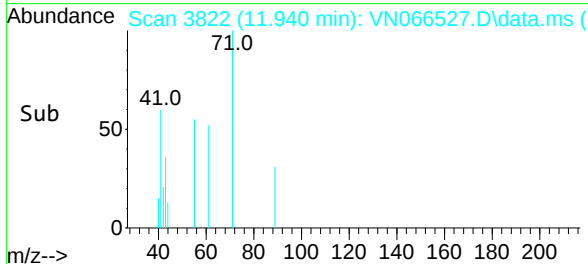
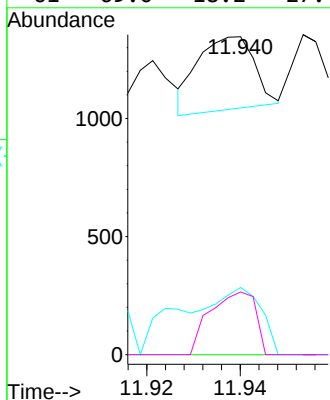
#74
N-amy1 acetate
Concen: 12.77 ug/l
RT: 11.940 min Scan# 3822
Delta R.T. -0.078 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 43 Resp: 261

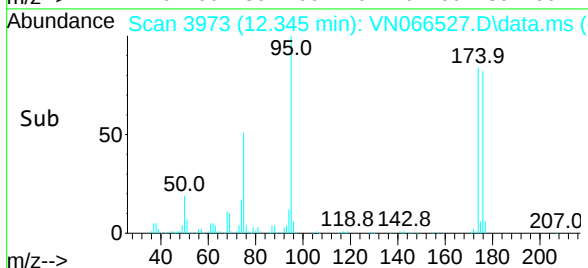
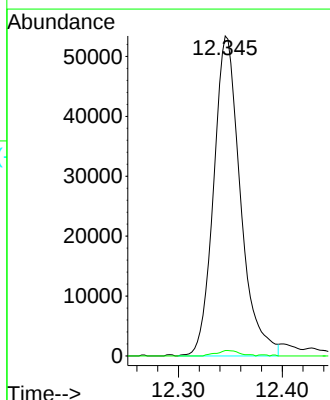
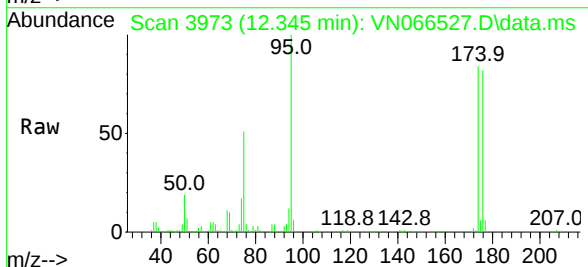
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.2	46.8#
55	71.6	18.6	28.0#
61	69.0	18.2	27.4#

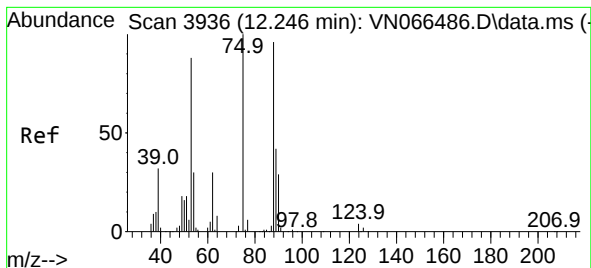


#76
1,2,3-Trichloropropane
Concen: 21.14 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.150 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Tgt Ion: 75 Resp: 95706

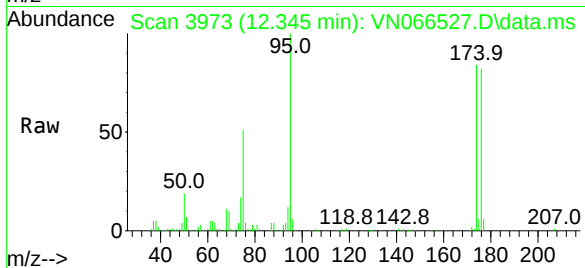
Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#



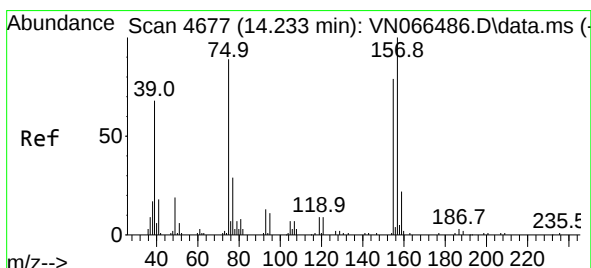
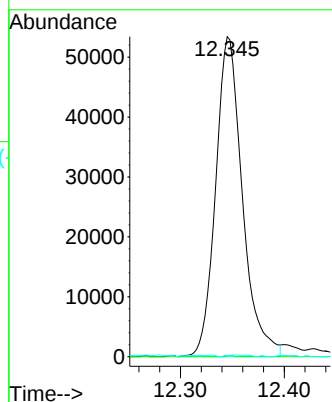
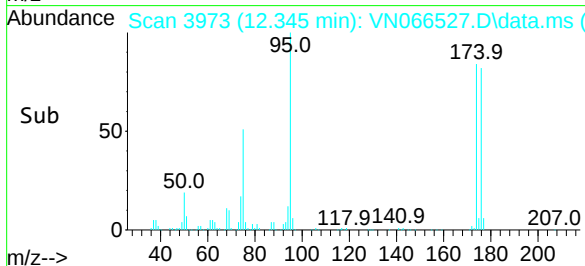


#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.04 ug/l
 RT: 12.345 min Scan# 3973
 Delta R.T. 0.099 min
 Lab File: VN066527.D
 Acq: 7 Apr 2021 23:41

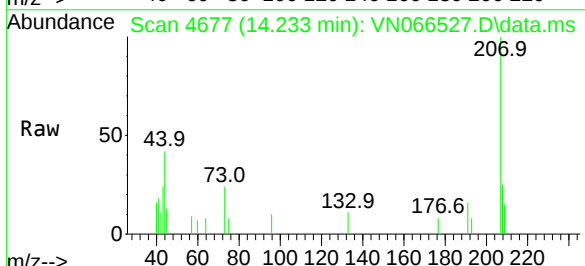
Instrument :
 MSVOA_N
 ClientSampled :



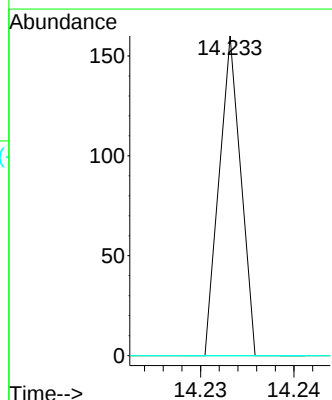
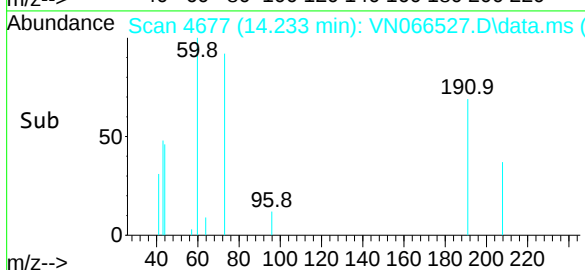
Tgt Ion: 75 Resp: 95706
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.4 35.7 53.5#

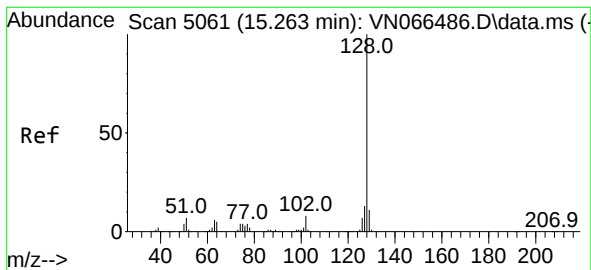


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.36 ug/l
 RT: 14.233 min Scan# 4677
 Delta R.T. 0.000 min
 Lab File: VN066527.D
 Acq: 7 Apr 2021 23:41



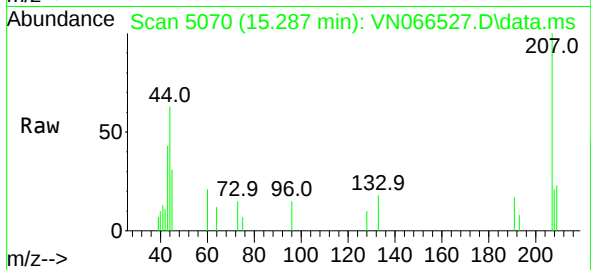
Tgt Ion: 75 Resp: 26
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.8 131.3#
 157 0.0 57.6 172.8#





#95
Naphthalene
Concen: 1.98 ug/l
RT: 15.287 min Scan# 5070
Delta R.T. 0.024 min
Lab File: VN066527.D
Acq: 7 Apr 2021 23:41

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 90
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#

