

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066724.D
 Acq On : 22 Apr 2021 18:58
 Operator : JC/MD
 Sample : M2125-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:37:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

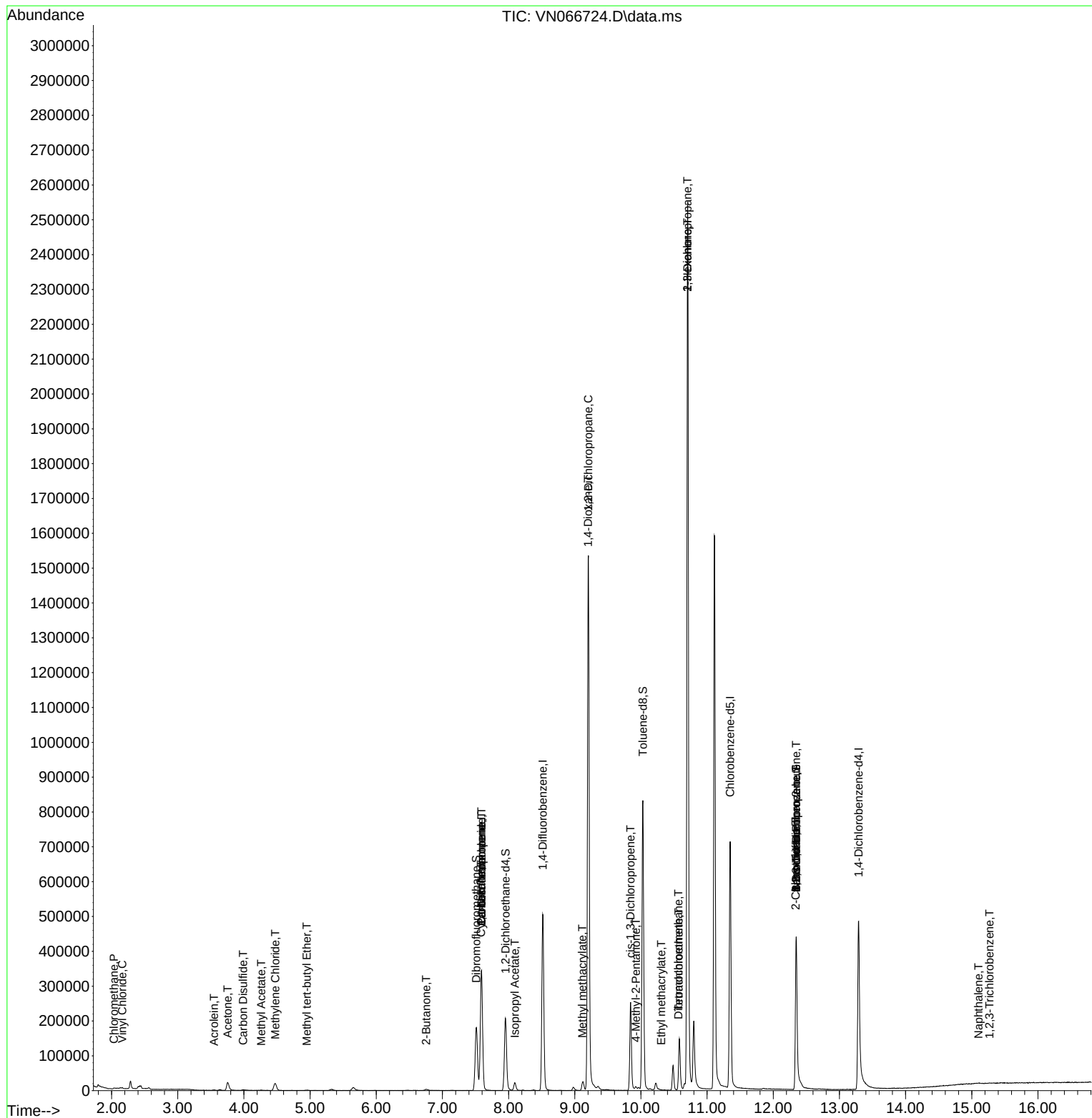
Internal Standards						
1) Pentafluorobenzene	7.591	168	302855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.516	114	469938	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	435423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	187825	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	177571	47.99	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.98%		
35) Dibromofluoromethane	7.513	113	147024	49.96	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.92%		
50) Toluene-d8	10.029	98	582142	50.72	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.44%		
62) 4-Bromofluorobenzene	12.346	95	186822	47.53	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.06%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1168	0.24	ug/l	99
4) Vinyl Chloride	2.163	62	1789	0.41	ug/l #	83
13) Acrolein	3.549	56	1456	2.81	ug/l	95
16) Acetone	3.753	43	38834	28.04	ug/l	99
17) Carbon Disulfide	3.986	76	2909	0.31	ug/l #	74
18) Methyl Acetate	4.263	43	2338	0.61	ug/l #	58
19) Methyl tert-butyl Ether	4.952	73	2239	0.23	ug/l	95
20) Methylene Chloride	4.475	84	15995	3.88	ug/l	98
25) 2-Butanone	6.754	43	3765	1.90	ug/l	90
31) Cyclohexane	7.583	56	5502	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21064	4.82	ug/l #	48
38) Carbon Tetrachloride	7.591	117	26117	6.28	ug/l #	17
43) Isopropyl Acetate	8.093	43	28322	3.87	ug/l #	88
45) 1,2-Dichloropropane	9.206	63	1827	0.48	ug/l #	44
48) Methyl methacrylate	9.114	41	7073	2.20	ug/l #	10
49) 1,4-Dioxane	9.200	88	85	2.19	ug/l #	1
51) 4-Methyl-2-Pentanone	9.924	43	7509	1.83	ug/l	92
54) cis-1,3-Dichloropropene	9.844	75	46793	8.29	ug/l #	61
56) Ethyl methacrylate	10.308	69	77	3.16	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	26334	4.79	ug/l #	43
59) 2-Hexanone	10.705	43	367991	128.28	ug/l #	50
60) Dibromochloromethane	10.568	129	788	0.23	ug/l #	11
64) Tetrachloroethene	10.571	164	873	0.28	ug/l	92
71) Bromoform	12.346	173	1217	0.50	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	90321	22.47	ug/l #	100
79) 2-Chlorotoluene	12.341	91	247	0.96	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	90321	66.74	ug/l #	12
95) Naphthalene	15.101	128	1077	1.97	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.267	180	103	1.39	ug/l #	12

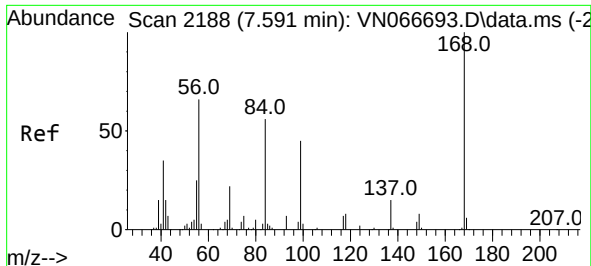
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 22 08:25:55 2021
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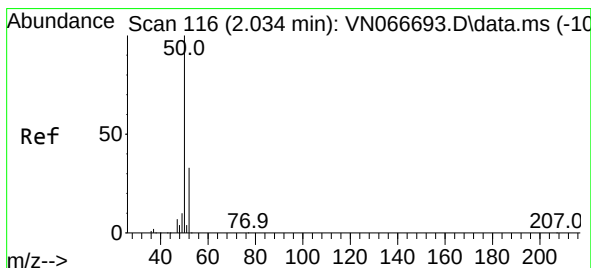
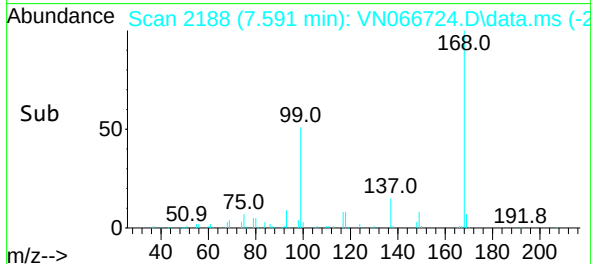
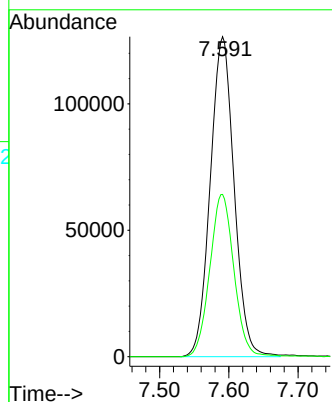
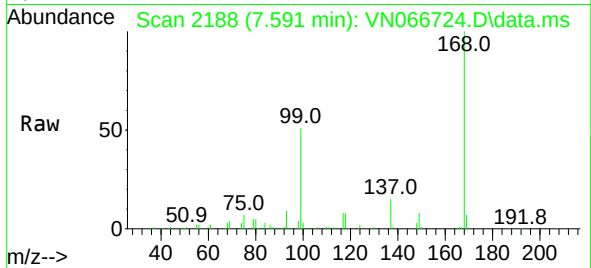




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

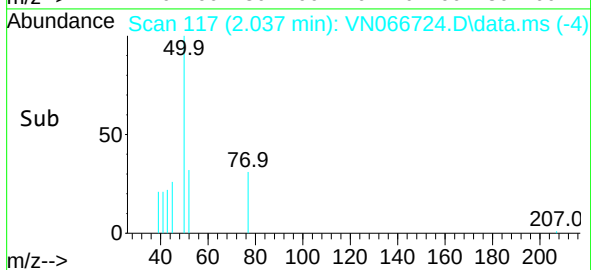
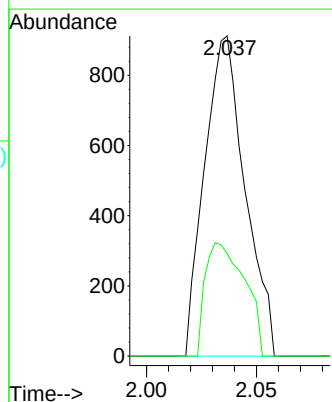
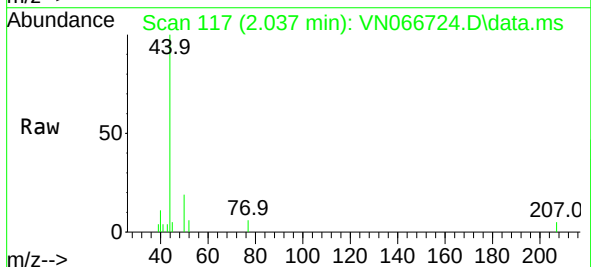
Instrument :
MSVOA_N
ClientSampleId :

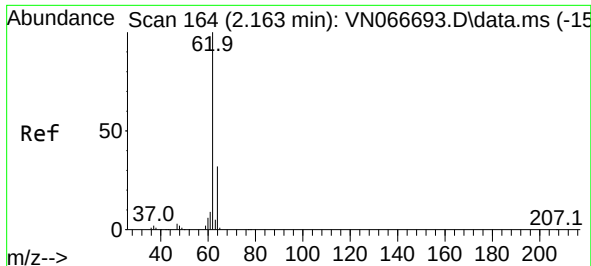
Tgt Ion:168 Resp: 302855
Ion Ratio Lower Upper
168 100
99 50.7 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

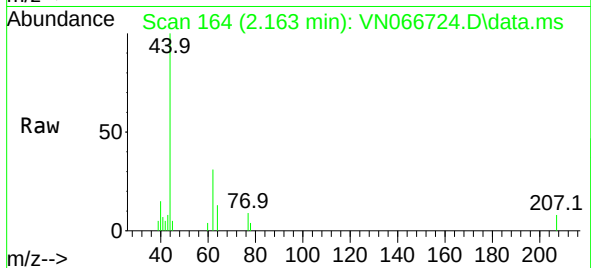
Tgt Ion: 50 Resp: 1168
Ion Ratio Lower Upper
50 100
52 32.0 25.8 38.8



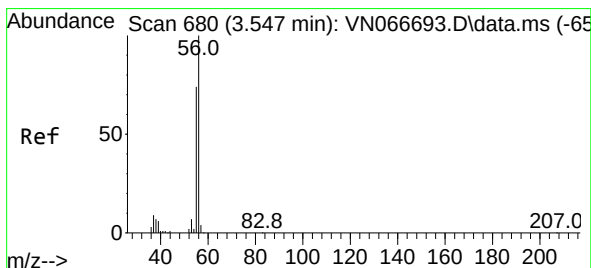
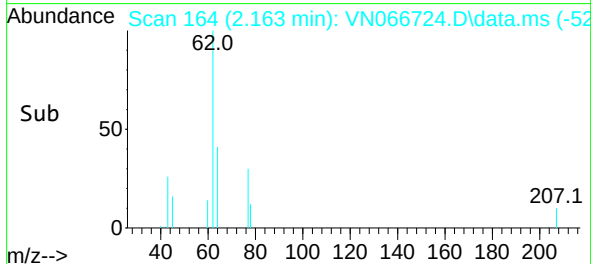
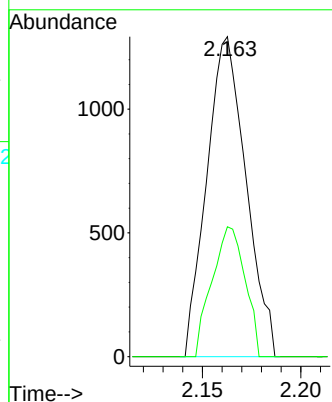


#4
 Vinyl Chloride
 Concen: 0.41 ug/l
 RT: 2.163 min Scan# 164
 Delta R.T. -0.000 min
 Lab File: VN066724.D
 Acq: 22 Apr 2021 18:58

Instrument :
 MSVOA_N
 ClientSampleId :

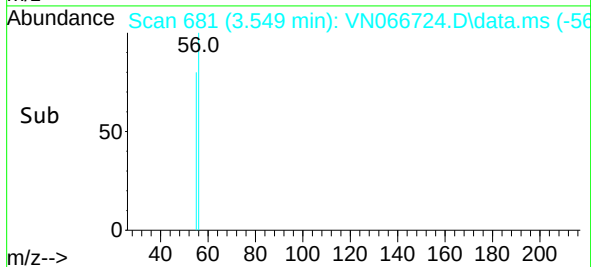
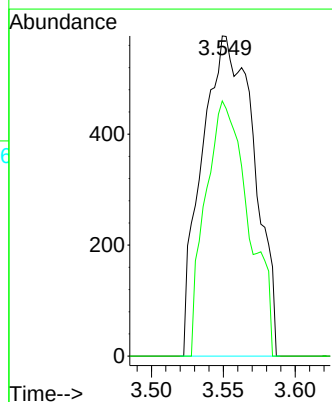
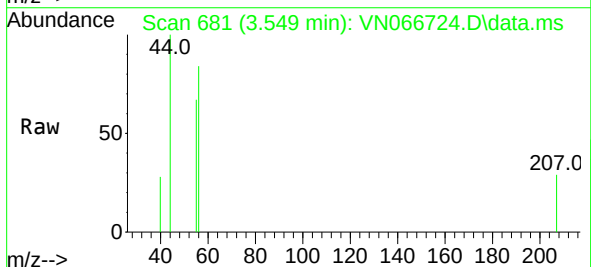


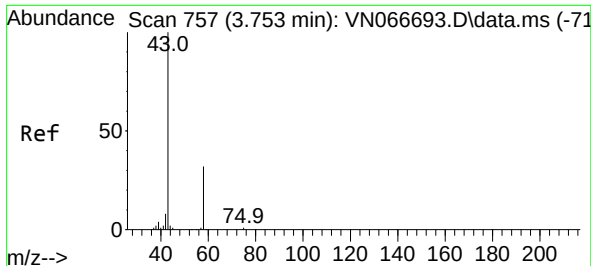
Tgt Ion: 62 Resp: 1789
 Ion Ratio Lower Upper
 62 100
 64 40.6 25.1 37.7#



#13
 Acrolein
 Concen: 2.81 ug/l
 RT: 3.549 min Scan# 681
 Delta R.T. 0.002 min
 Lab File: VN066724.D
 Acq: 22 Apr 2021 18:58

Tgt Ion: 56 Resp: 1456
 Ion Ratio Lower Upper
 56 100
 55 65.7 56.0 84.0

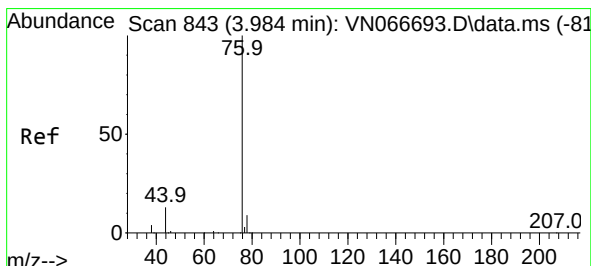
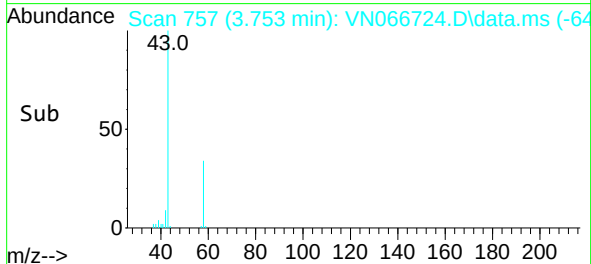
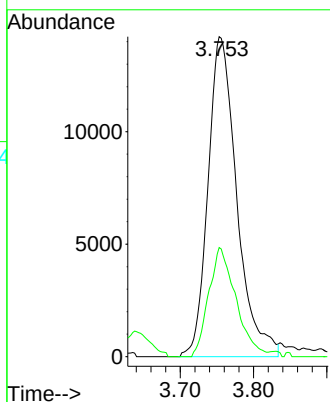
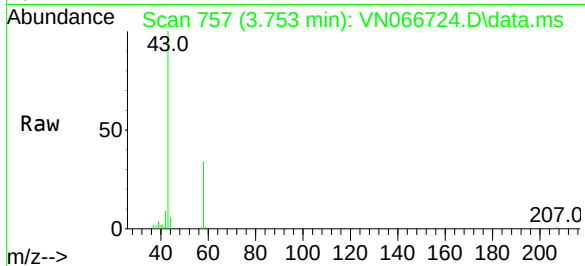




#16
Acetone
Concen: 28.04 ug/l
RT: 3.753 min Scan# 757
Delta R.T. 0.000 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

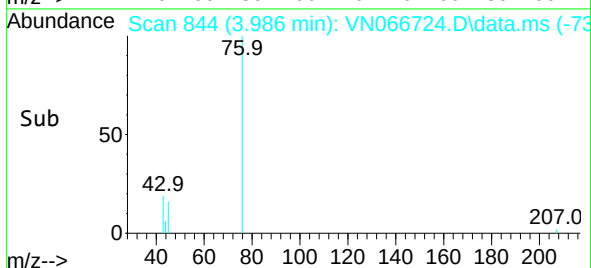
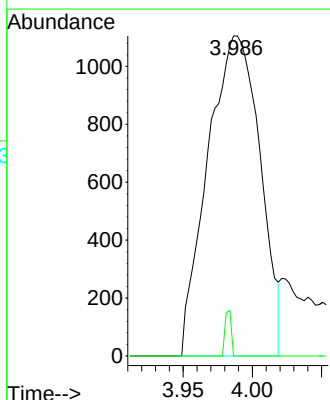
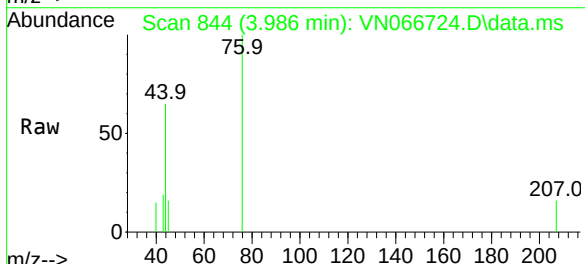
Instrument :
MSVOA_N
ClientSampled :

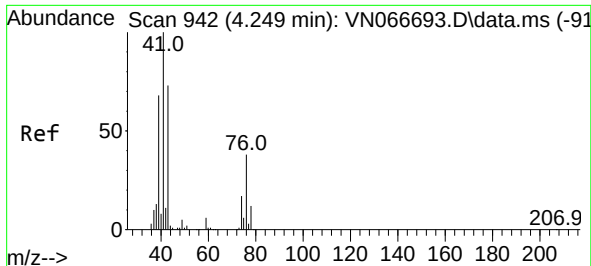
Tgt Ion: 43 Resp: 38834
Ion Ratio Lower Upper
43 100
58 34.1 27.0 40.6



#17
Carbon Disulfide
Concen: 0.31 ug/l
RT: 3.986 min Scan# 844
Delta R.T. 0.002 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

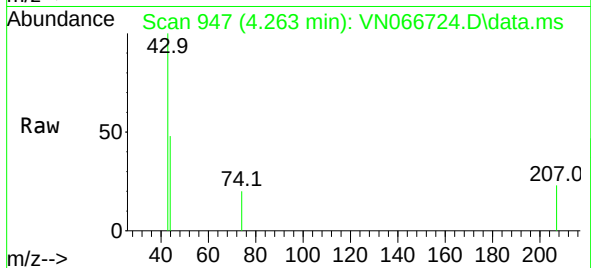
Tgt Ion: 76 Resp: 2909
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



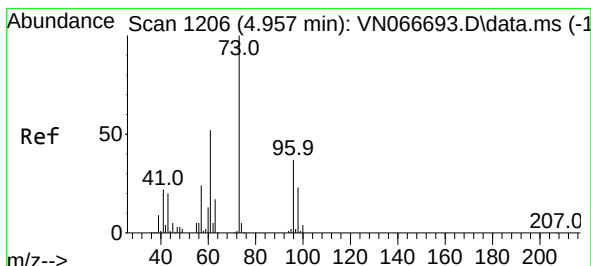
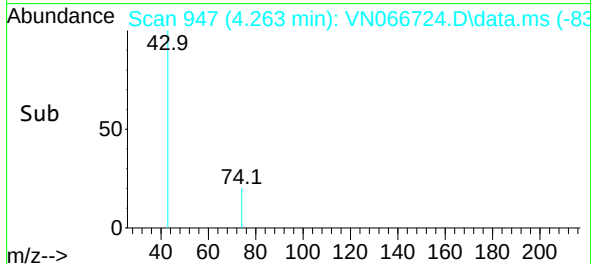
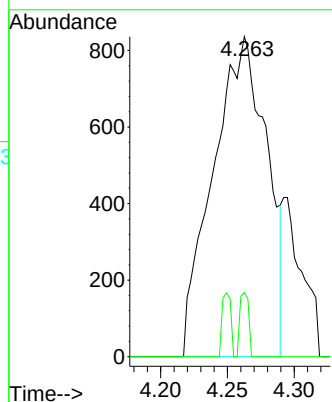


#18
Methyl Acetate
Concen: 0.61 ug/l
RT: 4.263 min Scan# 947
Delta R.T. 0.014 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

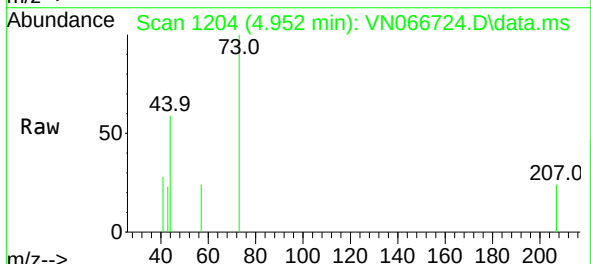
Instrument :
MSVOA_N
ClientSampleId :



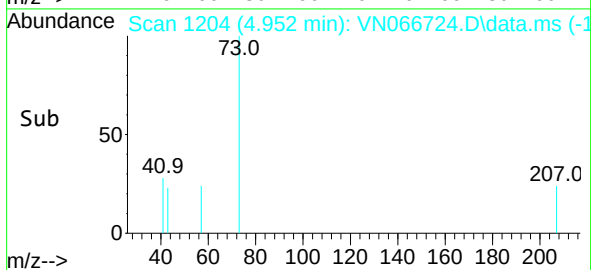
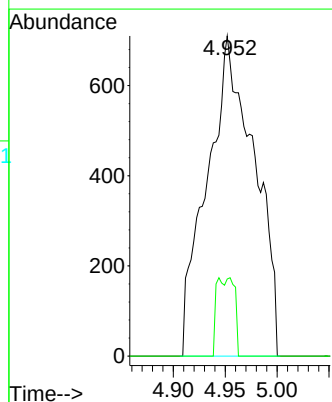
Tgt Ion: 43 Resp: 2338
Ion Ratio Lower Upper
43 100
74 3.3 19.5 29.3#

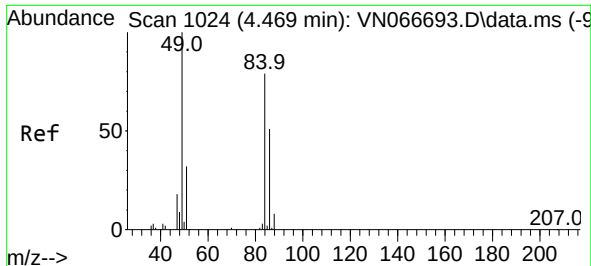


#19
Methyl tert-butyl Ether
Concen: 0.23 ug/l
RT: 4.952 min Scan# 1204
Delta R.T. -0.005 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58



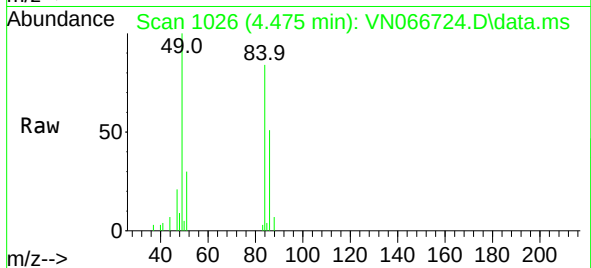
Tgt Ion: 73 Resp: 2239
Ion Ratio Lower Upper
73 100
57 24.1 17.3 25.9



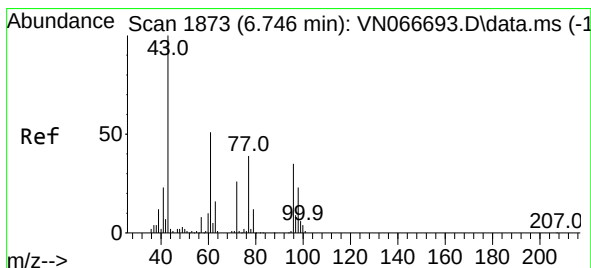
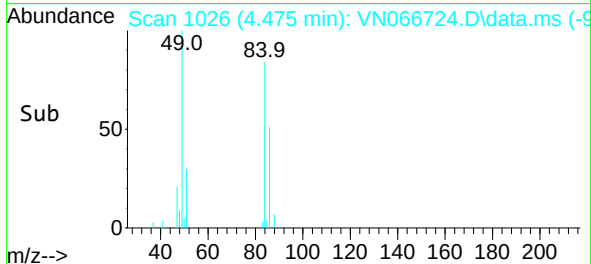
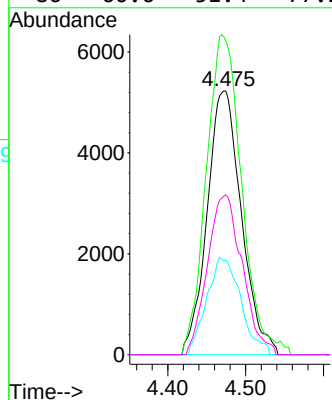


#20
Methylene Chloride
Concen: 3.88 ug/l
RT: 4.475 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Instrument :
MSVOA_N
ClientSampled :

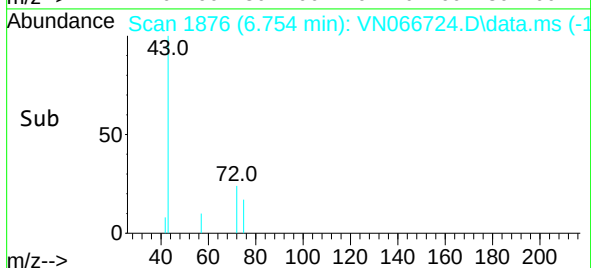
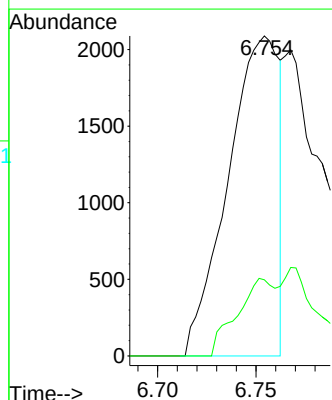
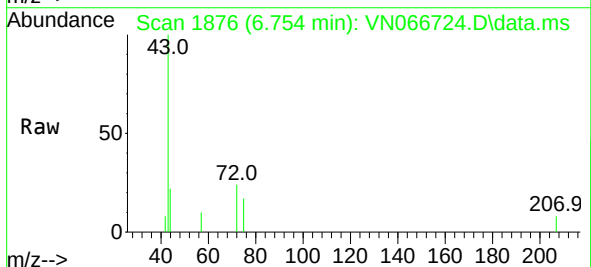


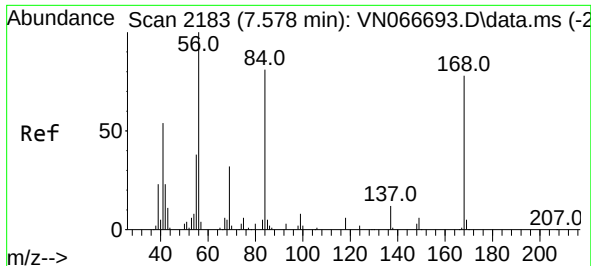
Tgt Ion:	84	Resp:	15995
Ion	Ratio	Lower	Upper
84	100		
49	119.1	94.6	141.8
51	35.9	29.9	44.9
86	60.6	51.4	77.2



#25
2-Butanone
Concen: 1.90 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. 0.008 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

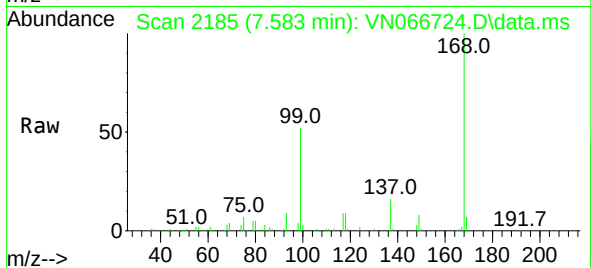
Tgt Ion:	43	Resp:	3765
Ion	Ratio	Lower	Upper
43	100		
72	23.8	23.1	34.7



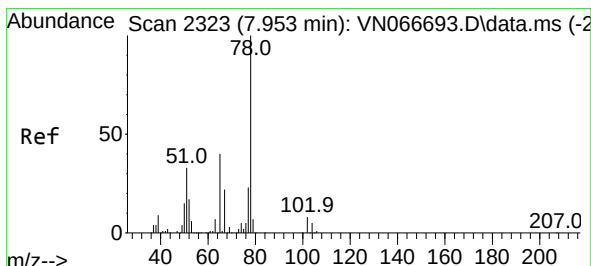
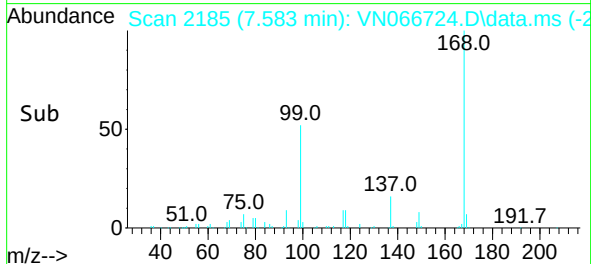
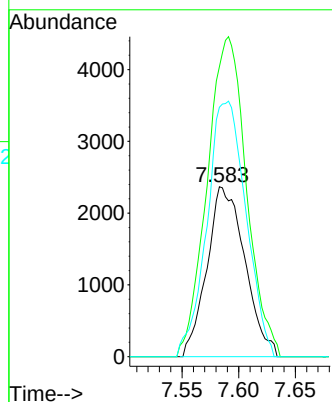


#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.583 min Scan# 2185
Delta R.T. 0.005 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Instrument :
MSVOA_N
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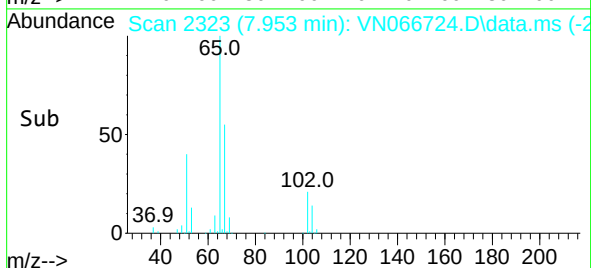
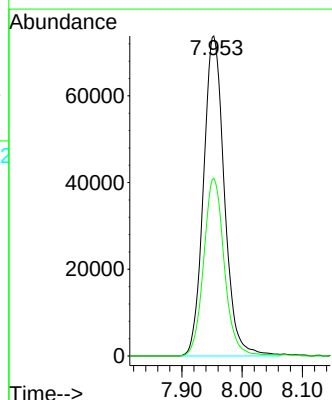
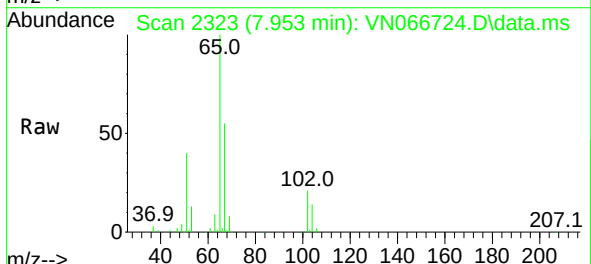


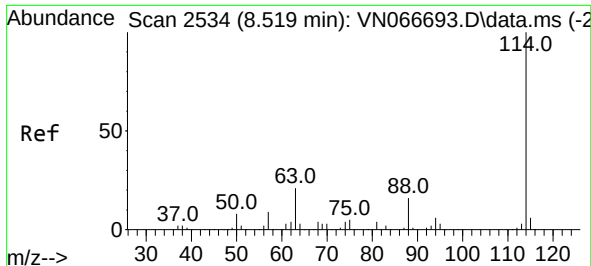
Tgt Ion	Ratio	Lower	Upper
56	100		
69	170.6	26.6	39.8#
84	146.8	70.4	105.6#



#33
1,2-Dichloroethane-d4
Concen: 47.99 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	107.2

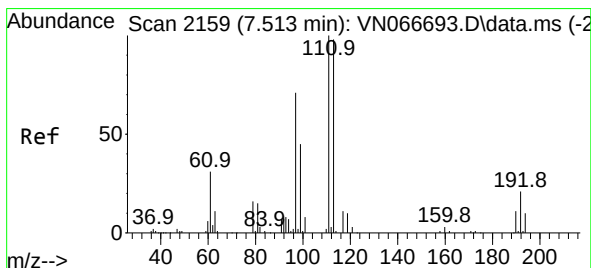
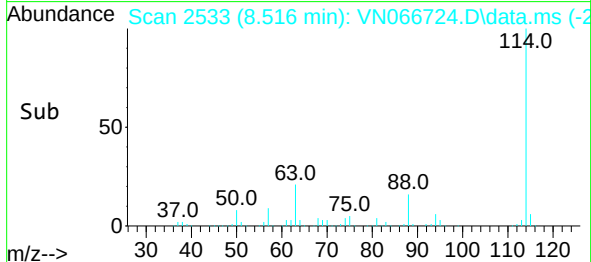
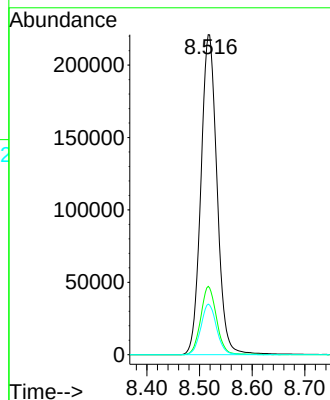
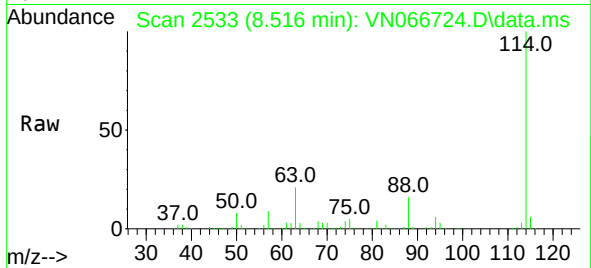




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.516 min Scan# 2533
Delta R.T. -0.003 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

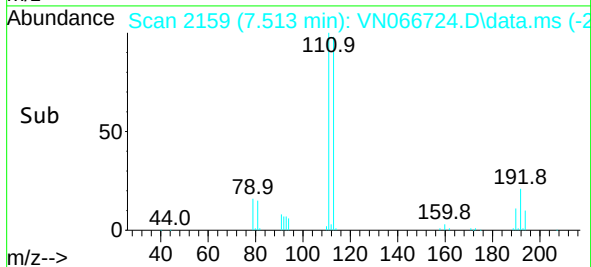
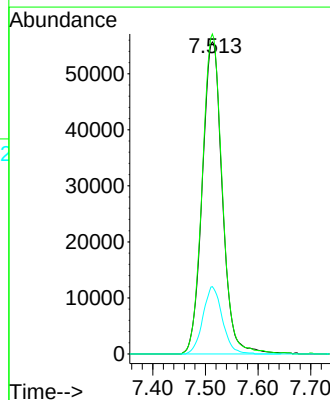
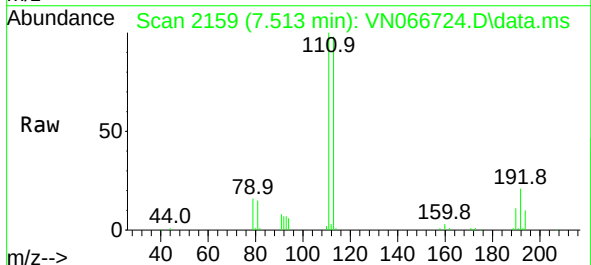
Instrument :
MSVOA_N
ClientSampleId :

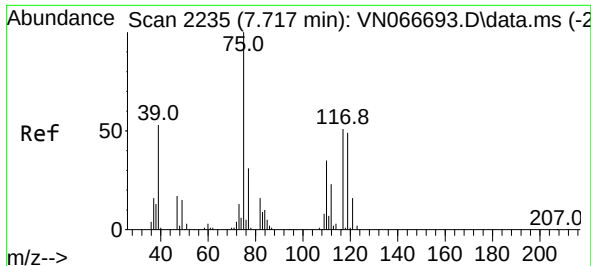
Tgt Ion:114 Resp: 469938
Ion Ratio Lower Upper
114 100
63 21.4 0.0 38.6
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.96 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

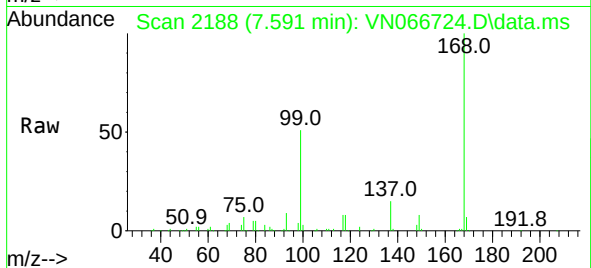
Tgt Ion:113 Resp: 147024
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 20.9 15.4 23.0



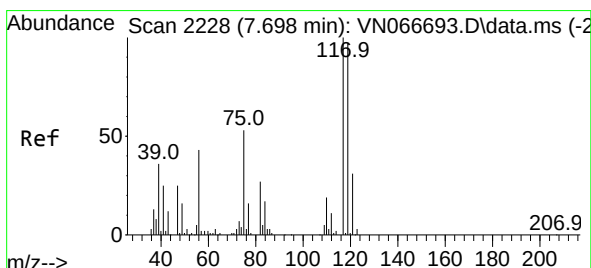
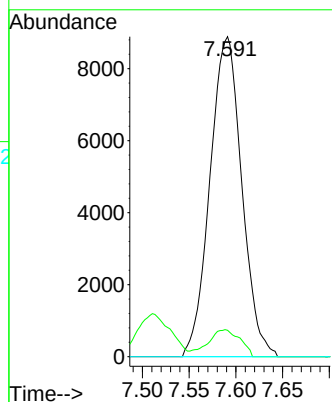
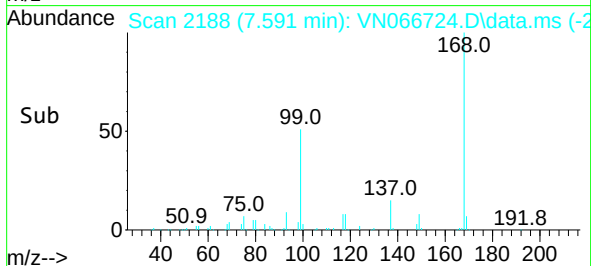


#36
1,1-Dichloropropene
Concen: 4.82 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

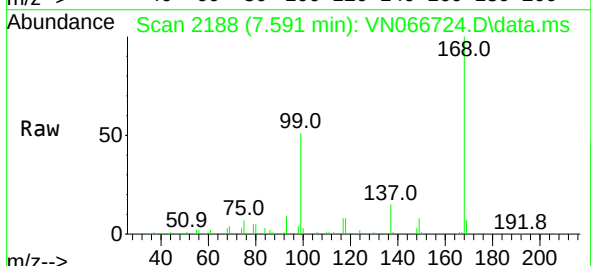
Instrument :
MSVOA_N
ClientSampled :



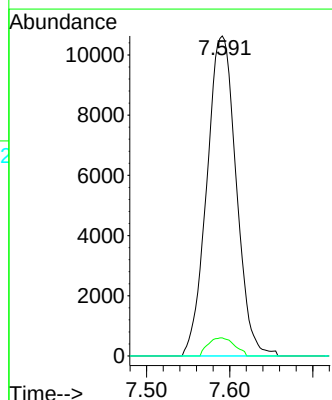
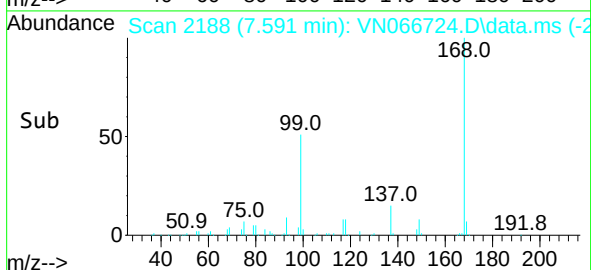
Tgt Ion: 75 Resp: 21064
Ion Ratio Lower Upper
75 100
110 8.5 18.2 54.6#
77 0.0 24.9 37.3#

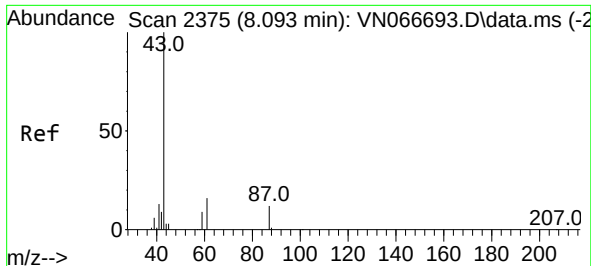


#38
Carbon Tetrachloride
Concen: 6.28 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58



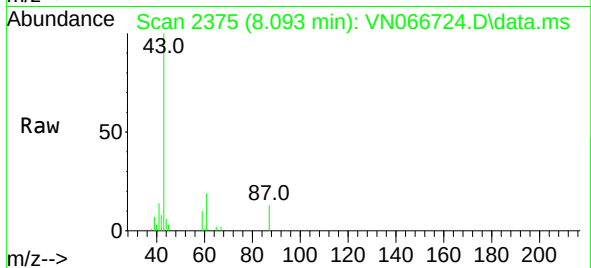
Tgt Ion: 117 Resp: 26117
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#



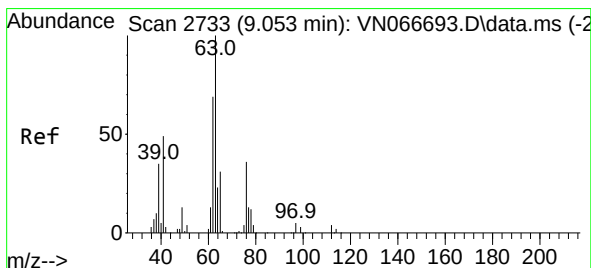
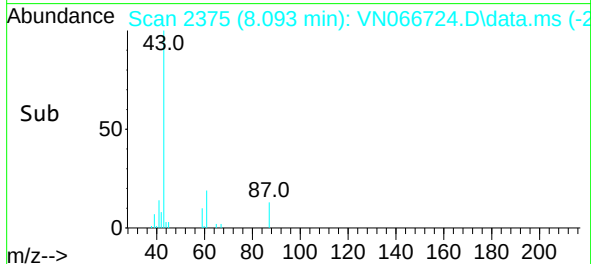
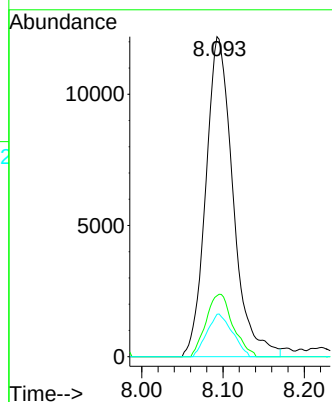


#43
Isopropyl Acetate
Concen: 3.87 ug/l
RT: 8.093 min Scan# 2375
Delta R.T. -0.000 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Instrument :
MSVOA_N
ClientSampleId :

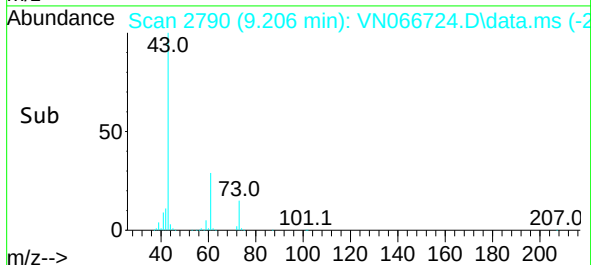
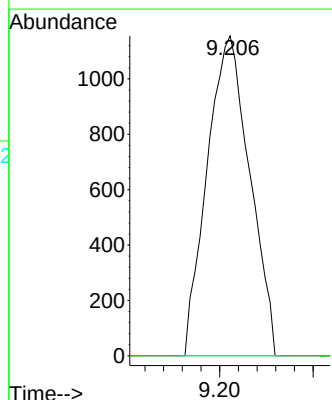
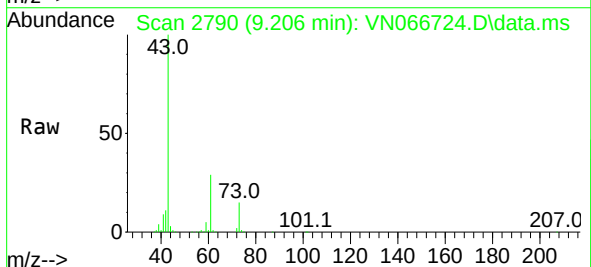


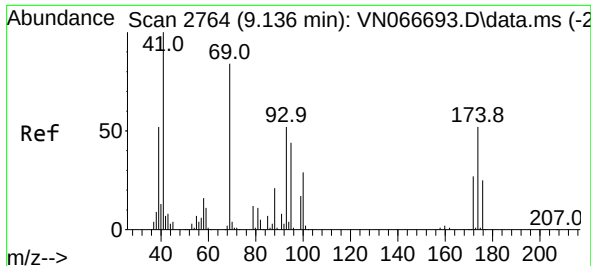
Tgt Ion: 43 Resp: 28322
Ion Ratio Lower Upper
43 100
61 19.3 22.5 33.7#
87 12.4 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.48 ug/l
RT: 9.206 min Scan# 2790
Delta R.T. 0.153 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

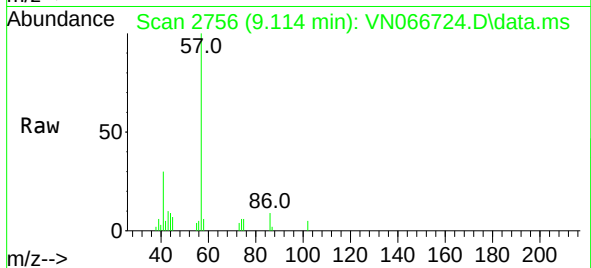
Tgt Ion: 63 Resp: 1827
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



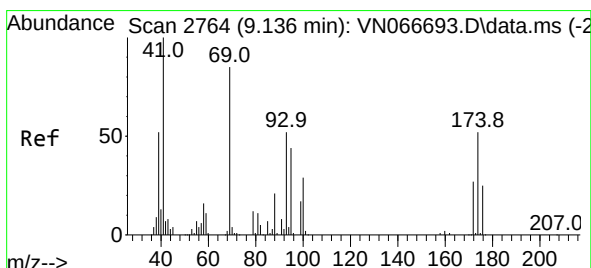
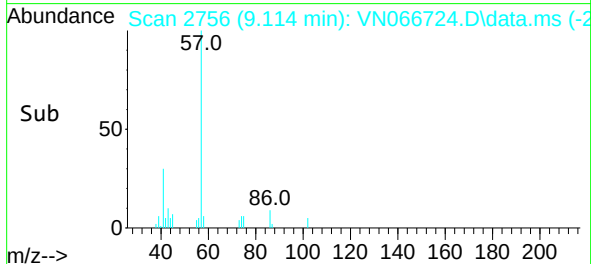
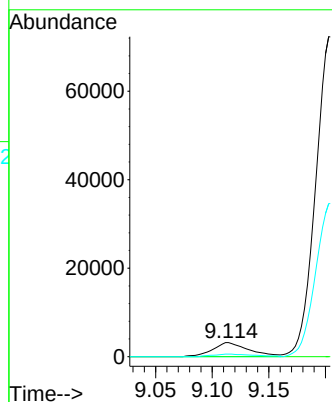


#48
Methyl methacrylate
Concen: 2.20 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Instrument :
MSVOA_N
ClientSampleId :

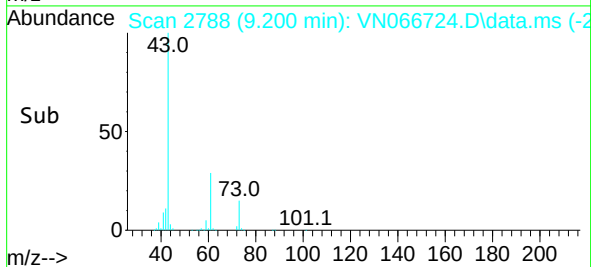
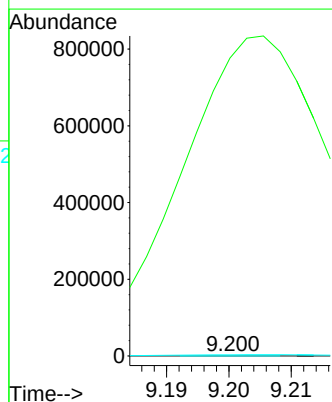
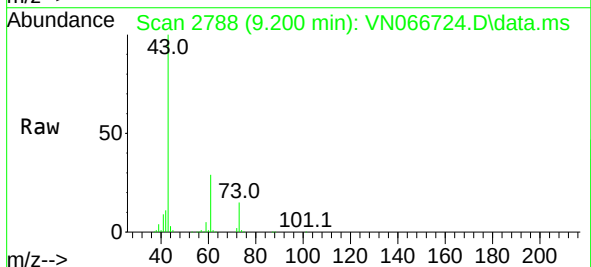


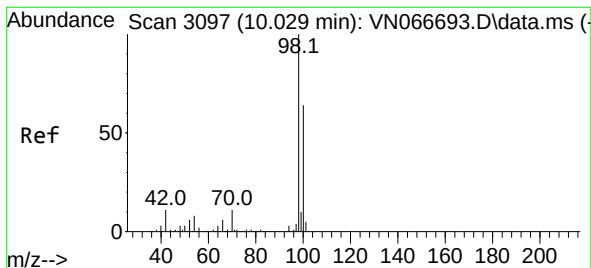
Tgt Ion: 41 Resp: 7073
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 2.19 ug/l
RT: 9.200 min Scan# 2788
Delta R.T. 0.064 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 1836334.1 24.7 37.1#
58 7674.1 52.6 78.8#

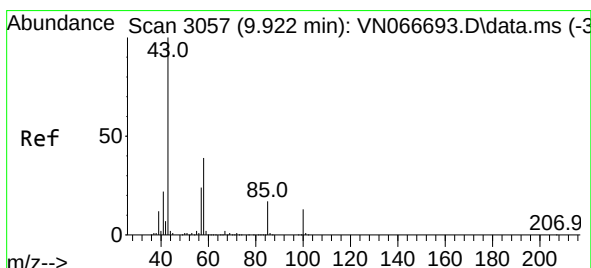
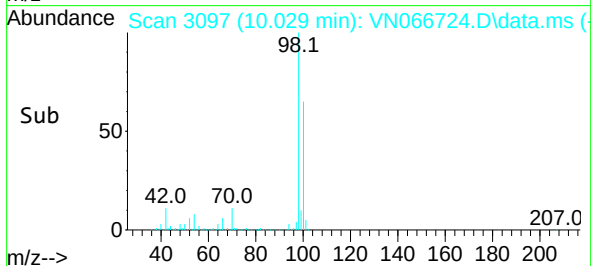
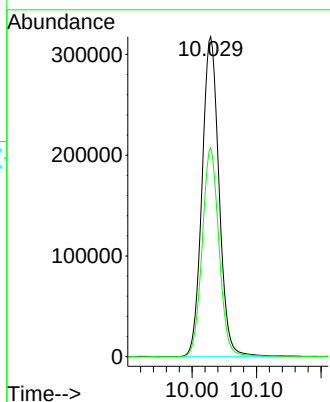
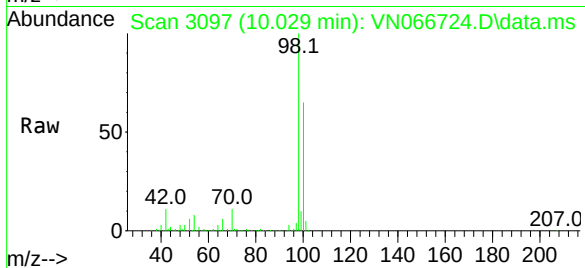




#50
Toluene-d8
Concen: 50.72 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

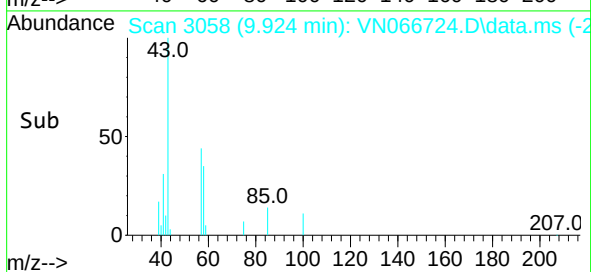
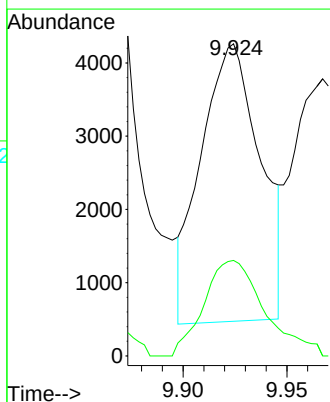
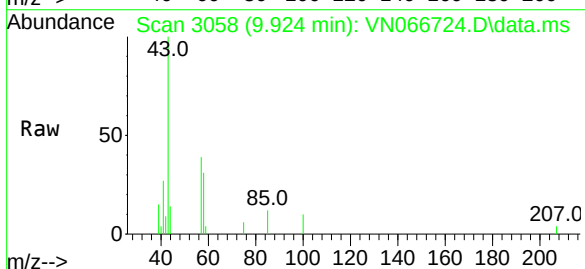
Instrument :
MSVOA_N
ClientSampleId :

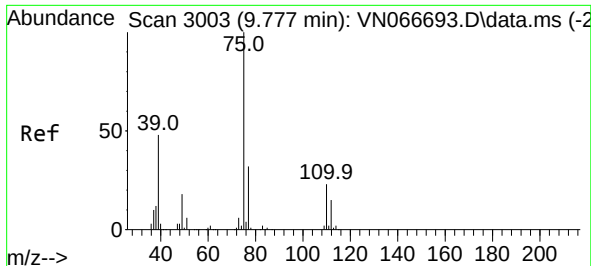
Tgt Ion: 98 Resp: 582142
Ion Ratio Lower Upper
98 100
100 64.7 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.83 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Tgt Ion: 43 Resp: 7509
Ion Ratio Lower Upper
43 100
58 35.3 32.5 48.7

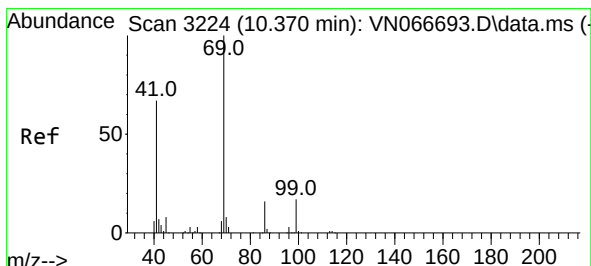
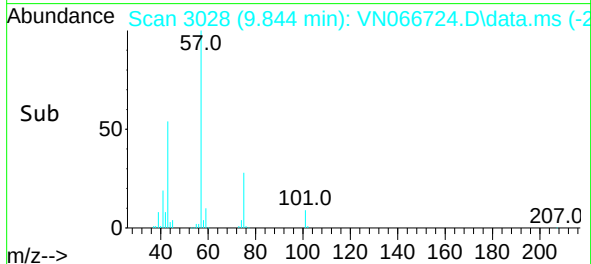
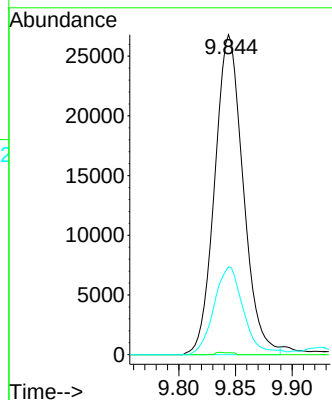
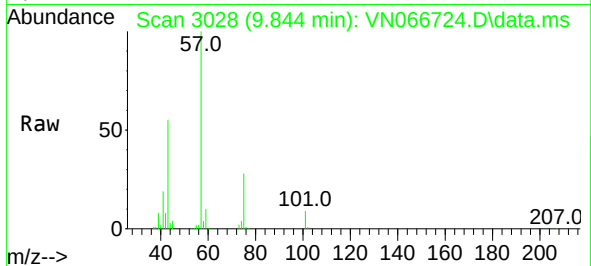




#54
cis-1,3-Dichloropropene
Concen: 8.29 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

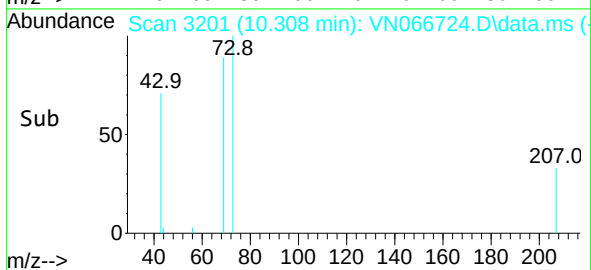
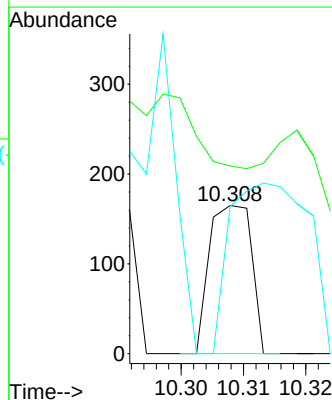
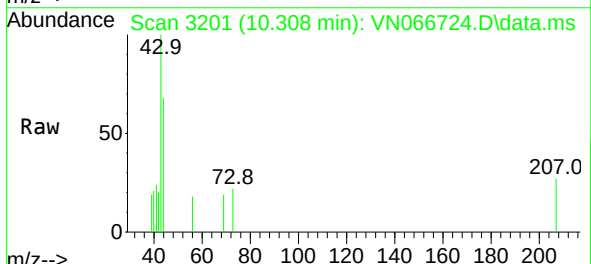
Instrument :
MSVOA_N
ClientSampled :

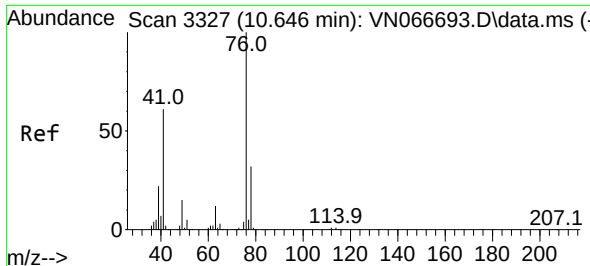
Tgt Ion: 75 Resp: 46793
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 27.5 36.2 54.4#



#56
Ethyl methacrylate
Concen: 3.16 ug/l
RT: 10.308 min Scan# 3201
Delta R.T. -0.062 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Tgt Ion: 69 Resp: 77
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

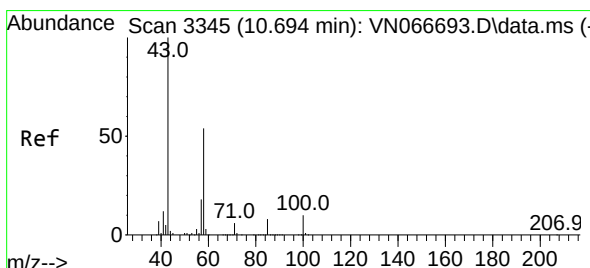
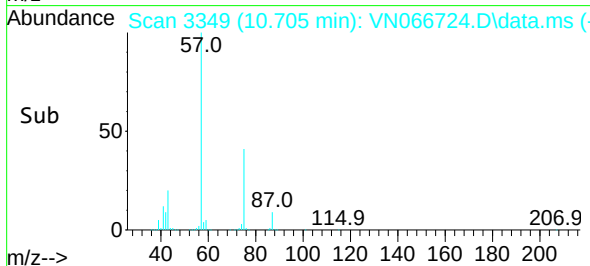
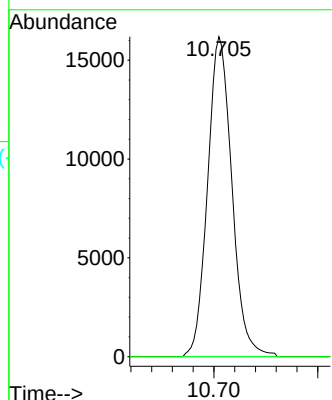
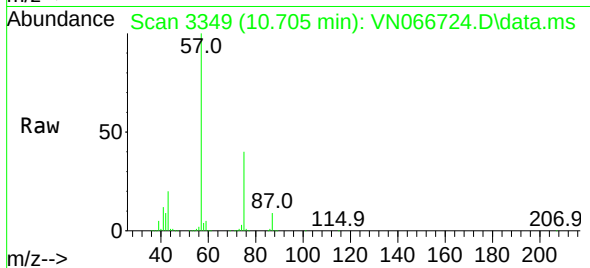




#57
1,3-Dichloropropane
Concen: 4.79 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

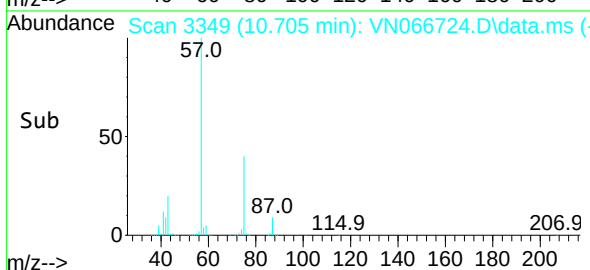
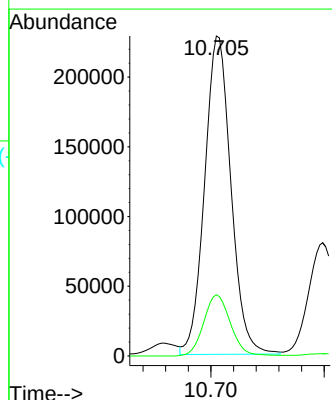
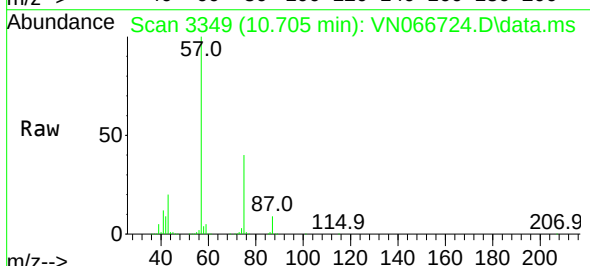
Instrument :
MSVOA_N
ClientSampled :

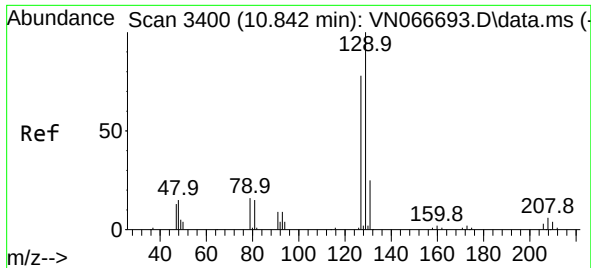
Tgt Ion: 76 Resp: 26334
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 128.28 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Tgt Ion: 43 Resp: 367991
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#

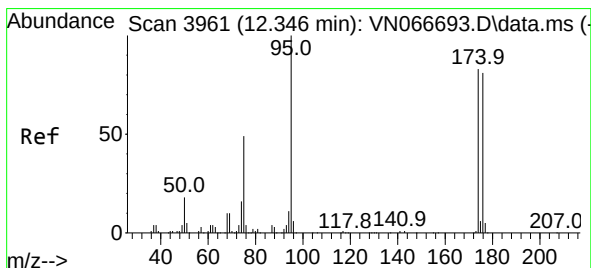
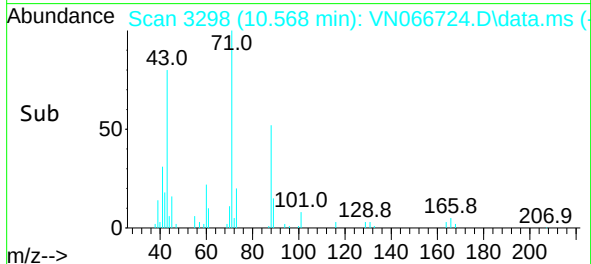
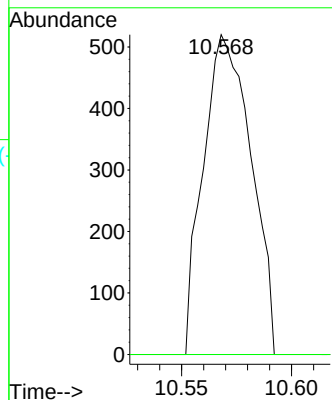
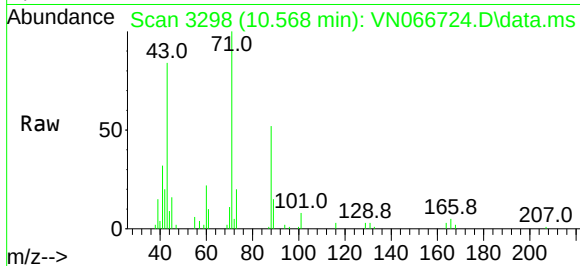




#60
Dibromochloromethane
Concen: 0.23 ug/l
RT: 10.568 min Scan# 3298
Delta R.T. -0.274 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

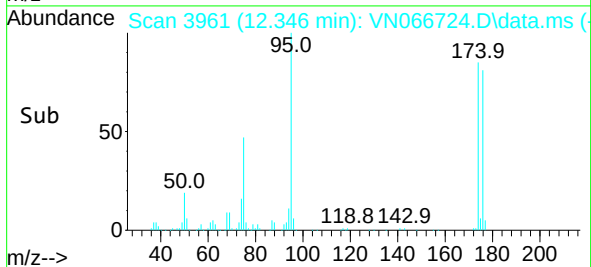
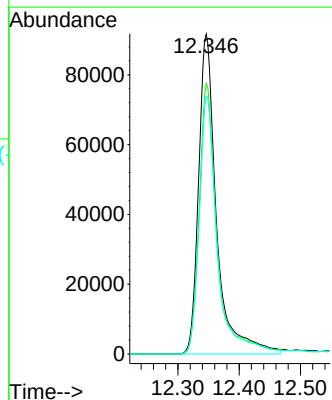
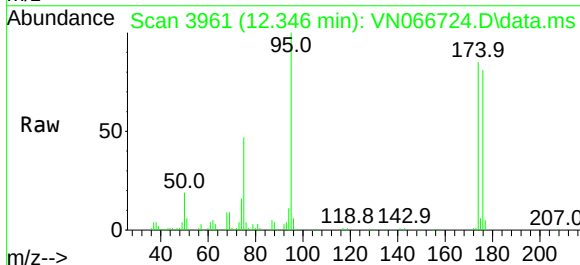
Instrument :
MSVOA_N
ClientSampleId :

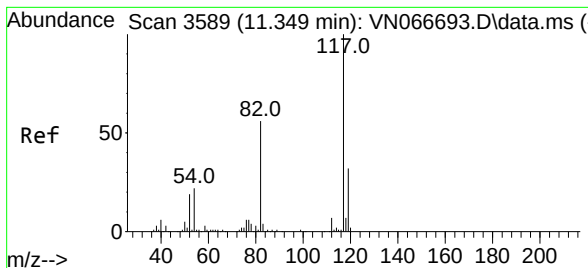
Tgt Ion:129 Resp: 788
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.53 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Tgt Ion: 95 Resp: 186822
Ion Ratio Lower Upper
95 100
174 85.2 0.0 169.0
176 80.7 0.0 162.4

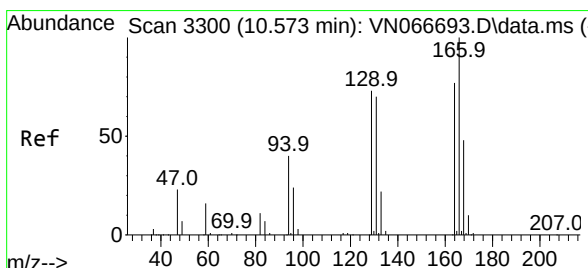
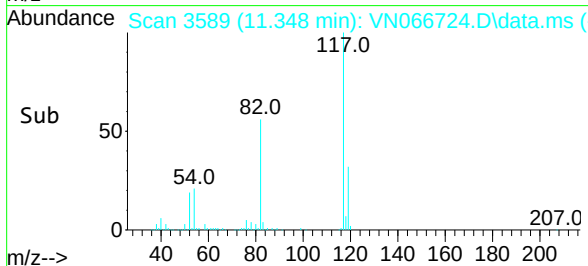
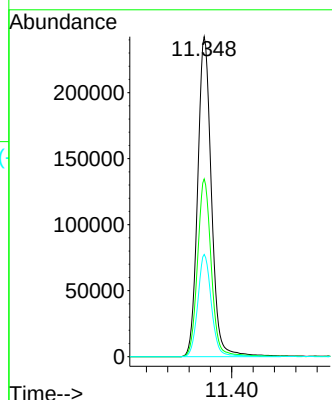
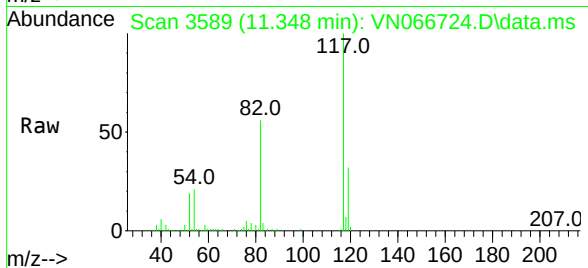




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

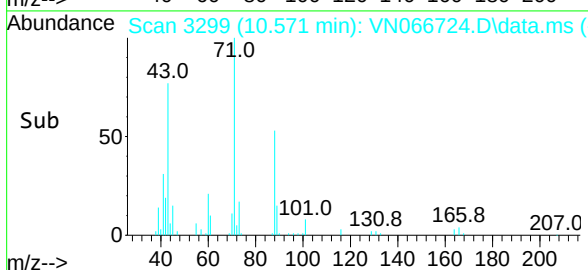
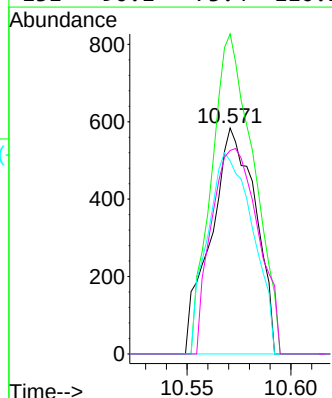
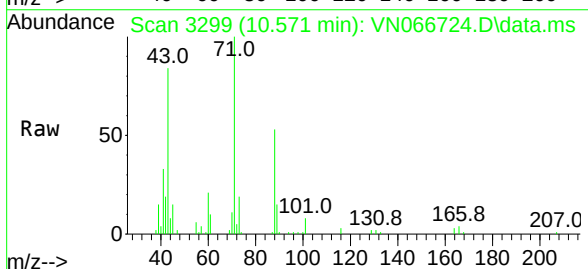
Instrument :
MSVOA_N
ClientSampleId :

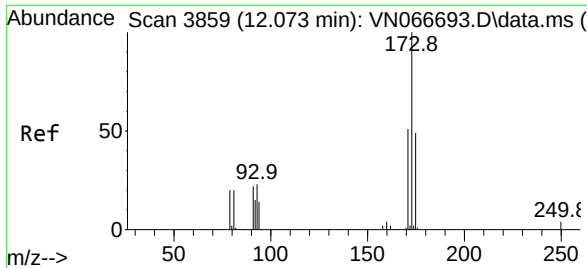
Tgt Ion:117 Resp: 435423
Ion Ratio Lower Upper
117 100
82 55.6 43.7 65.5
119 31.9 26.1 39.1



#64
Tetrachloroethene
Concen: 0.28 ug/l
RT: 10.571 min Scan# 3299
Delta R.T. -0.002 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Tgt Ion:164 Resp: 873
Ion Ratio Lower Upper
164 100
166 141.6 102.6 154.0
129 85.4 76.2 114.4
131 90.1 73.4 110.2

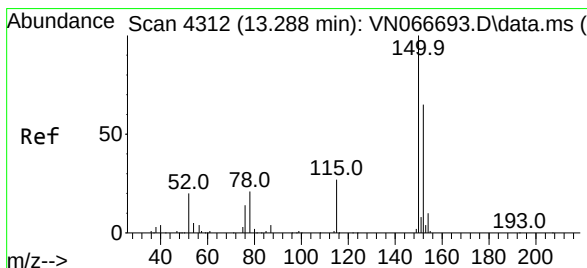
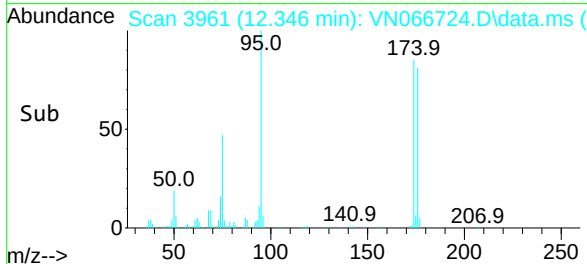
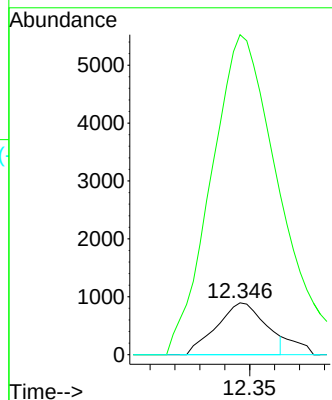
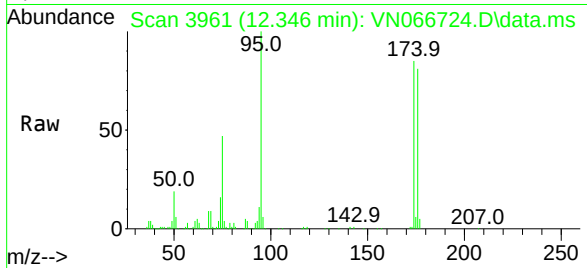




#71
Bromoform
Concen: 0.50 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

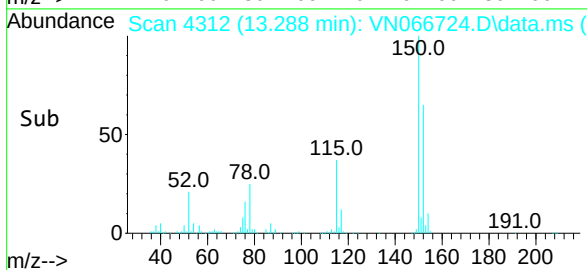
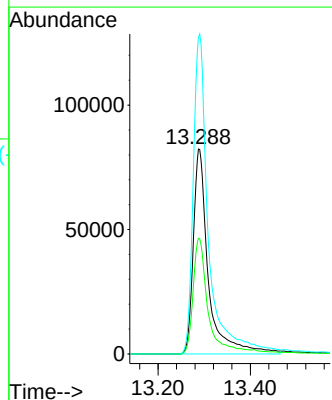
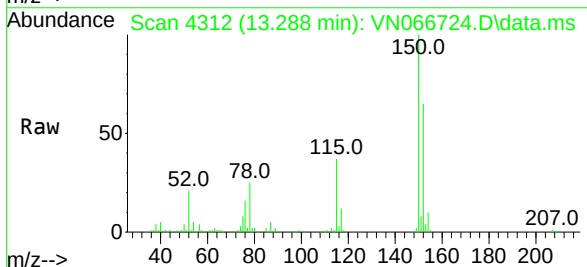
Instrument :
MSVOA_N
ClientSampleId :

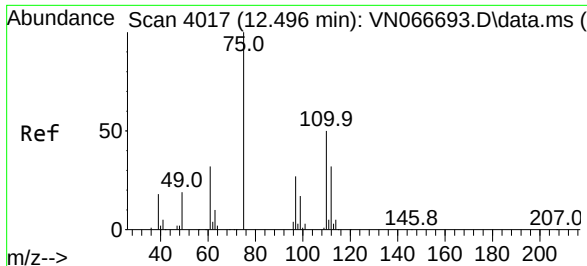
Tgt Ion:173 Resp: 1217
Ion Ratio Lower Upper
173 100
175 732.7 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.288 min Scan# 4312
Delta R.T. -0.001 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Tgt Ion:152 Resp: 187825
Ion Ratio Lower Upper
152 100
115 53.8 28.5 85.6
150 158.0 0.0 347.6

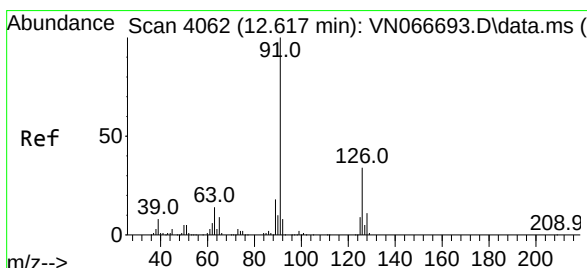
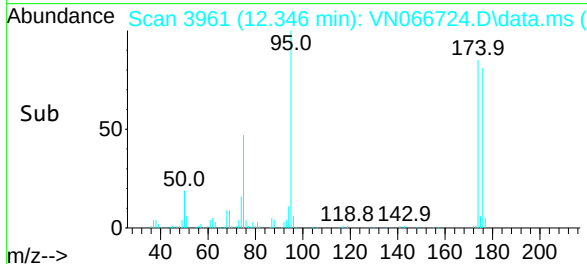
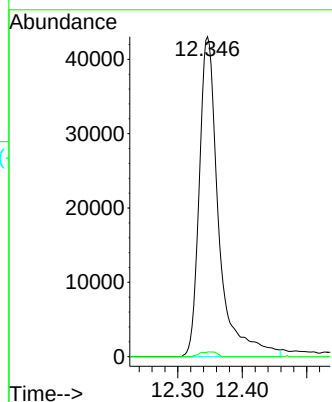
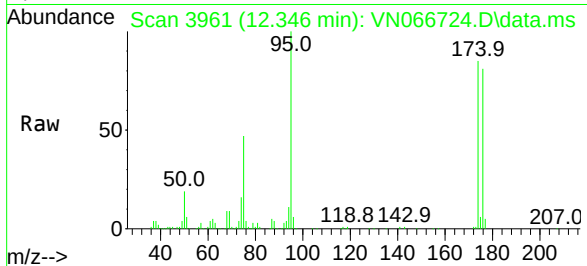




#76
1,2,3-Trichloropropane
Concen: 22.47 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

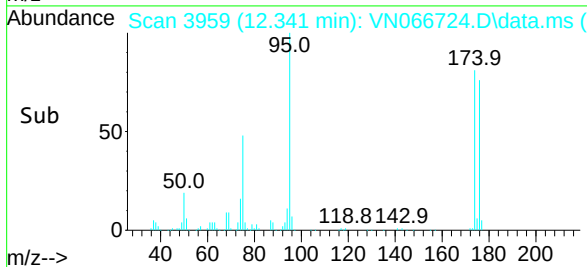
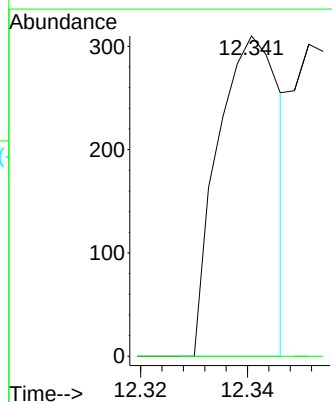
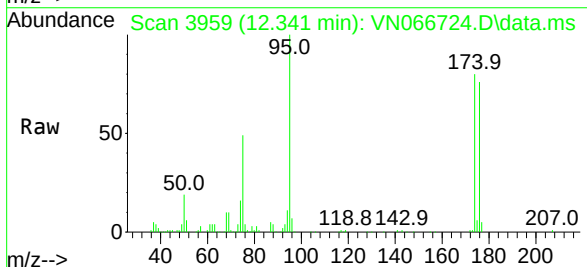
Instrument :
MSVOA_N
ClientSampled :

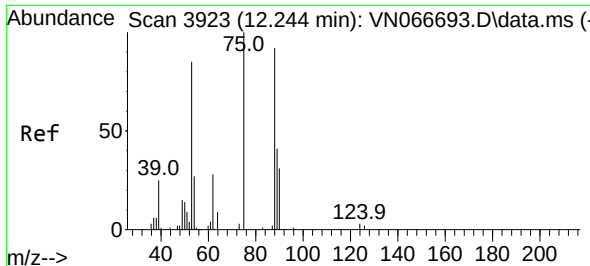
Tgt Ion: 75 Resp: 90321
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.96 ug/l
RT: 12.341 min Scan# 3959
Delta R.T. -0.276 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

Tgt Ion: 91 Resp: 247
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

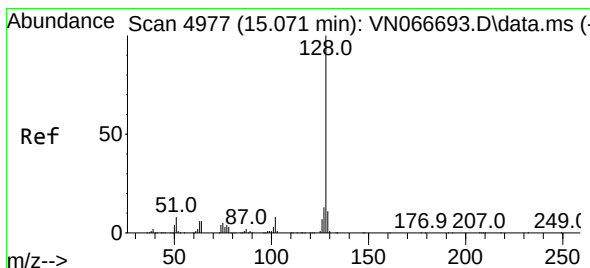
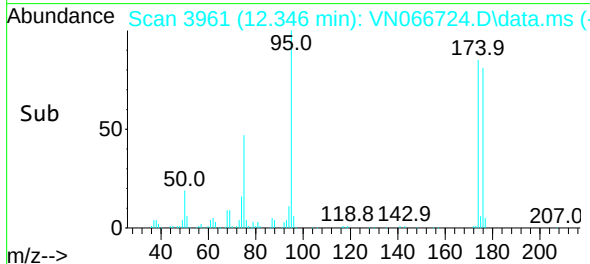
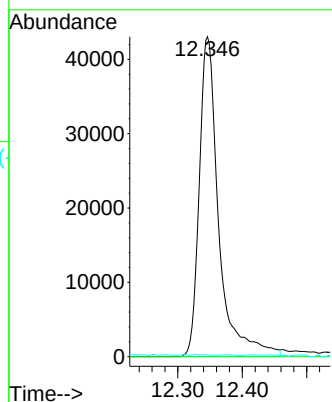
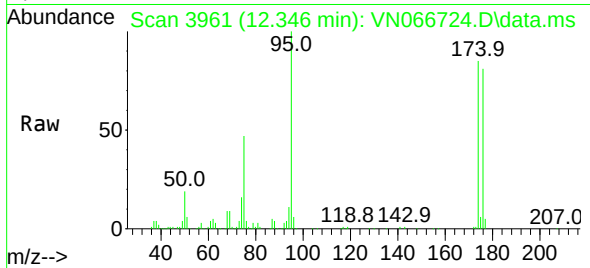




#81
trans-1,4-Dichloro-2-butene
Concen: 66.74 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

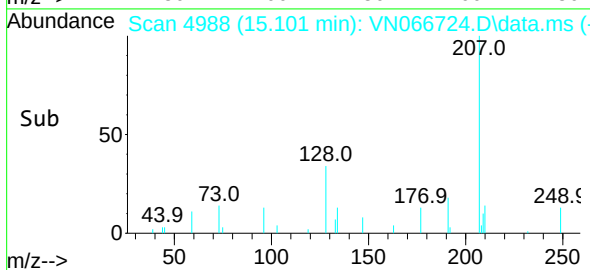
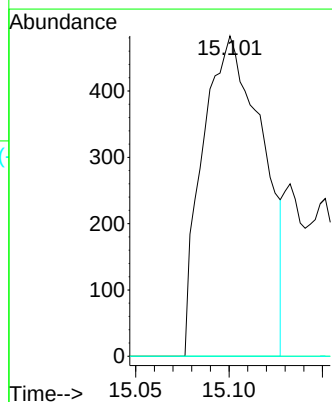
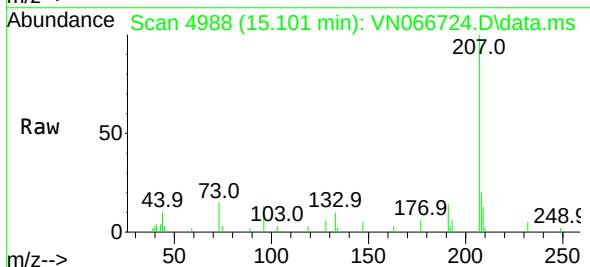
Instrument :
MSVOA_N
ClientSampleId :

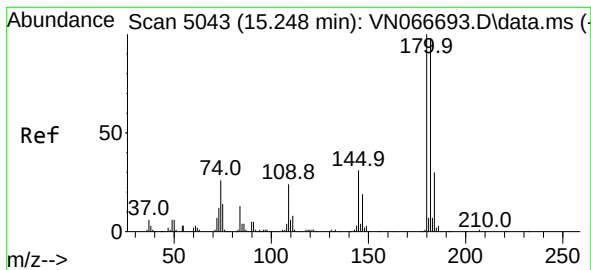
Tgt Ion: 75 Resp: 90321
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#



#95
Naphthalene
Concen: 1.97 ug/l
RT: 15.101 min Scan# 4988
Delta R.T. 0.030 min
Lab File: VN066724.D
Acq: 22 Apr 2021 18:58

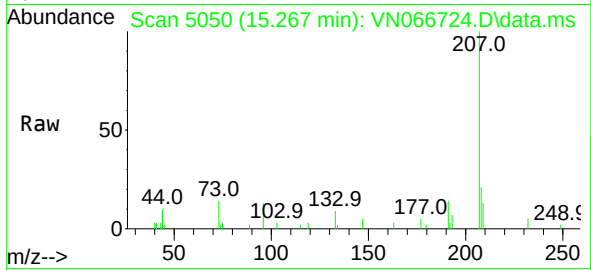
Tgt Ion: 128 Resp: 1077
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.39 ug/l
 RT: 15.267 min Scan# 5050
 Delta R.T. 0.019 min
 Lab File: VN066724.D
 Acq: 22 Apr 2021 18:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	103
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.3#
145	0.0	16.5	49.5#

