

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
 Data File : VN066744.D
 Acq On : 23 Apr 2021 17:47
 Operator : JC/MD
 Sample : PB135928ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 26 09:12:10 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)

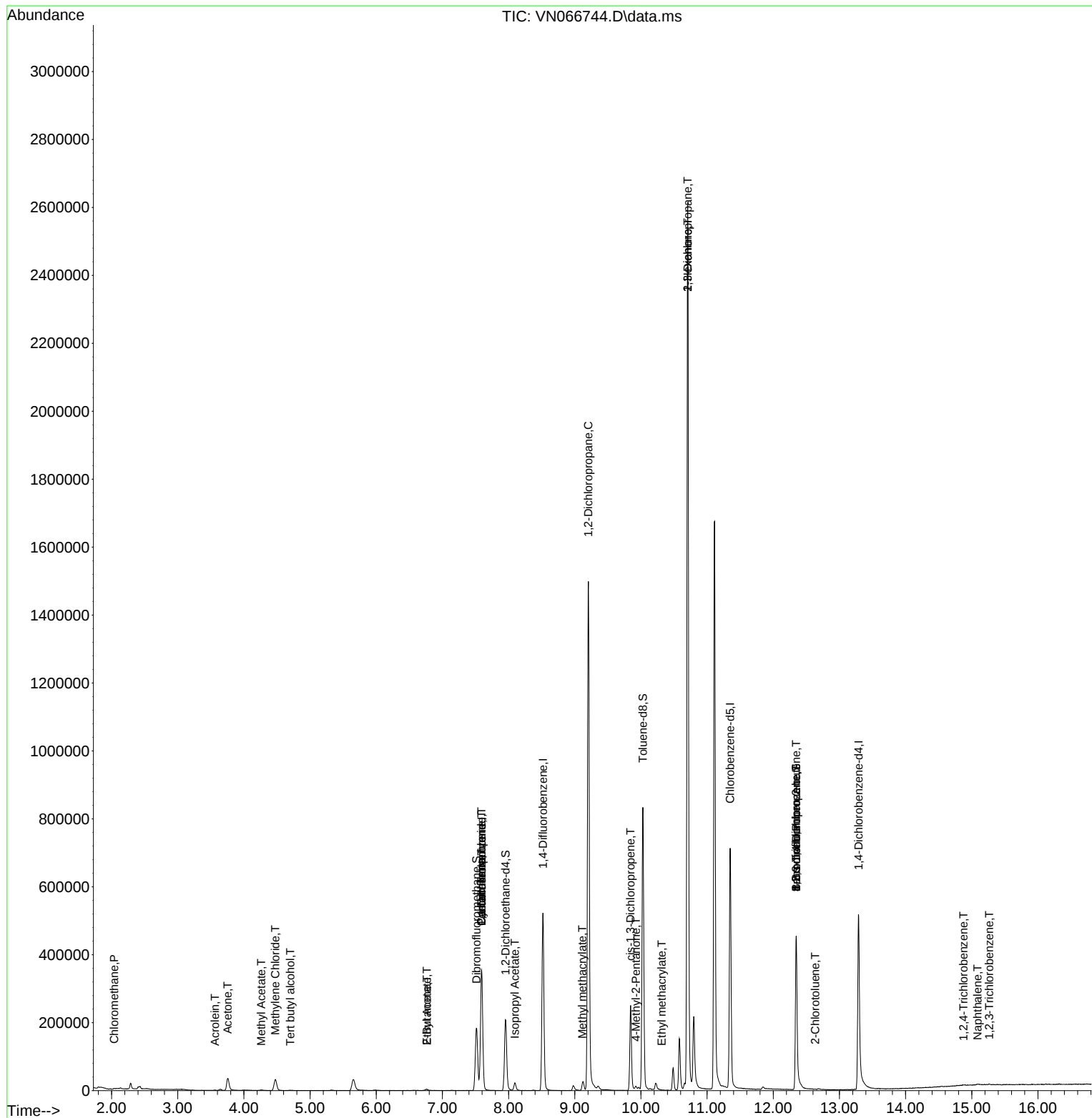
Internal Standards						
1) Pentafluorobenzene	7.594	168	315298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	479247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	438589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	189560	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	179947	46.72	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 93.44%			
35) Dibromofluoromethane	7.516	113	150303	50.08	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.16%			
50) Toluene-d8	10.029	98	594760	50.82	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.64%			
62) 4-Bromofluorobenzene	12.346	95	187934	46.89	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.78%			
Target Compounds						Qvalue
3) Chloromethane	2.039	50	1050	0.21	ug/l	89
11) Tert butyl alcohol	4.702	59	1374	2.82	ug/l #	73
13) Acrolein	3.565	56	791	1.47	ug/l #	38
16) Acetone	3.756	43	63097	43.76	ug/l	98
18) Methyl Acetate	4.263	43	3941	0.99	ug/l #	64
20) Methylene Chloride	4.474	84	24809	5.79	ug/l	99
25) 2-Butanone	6.765	43	7882	3.81	ug/l	94
31) Cyclohexane	7.591	56	5832	0.93	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	22377	5.02	ug/l #	48
37) Ethyl Acetate	6.765	43	7882	1.68	ug/l #	68
38) Carbon Tetrachloride	7.591	117	26784	6.32	ug/l #	17
43) Isopropyl Acetate	8.095	43	28237	3.78	ug/l #	88
45) 1,2-Dichloropropane	9.205	63	1974	0.51	ug/l #	44
48) Methyl methacrylate	9.114	41	7340	2.24	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	5502	1.32	ug/l #	68
54) cis-1,3-Dichloropropene	9.844	75	47134	8.19	ug/l #	60
56) Ethyl methacrylate	10.316	69	86	3.16	ug/l #	27
57) 1,3-Dichloropropane	10.707	76	27552	4.91	ug/l #	43
59) 2-Hexanone	10.707	43	384085	130.90	ug/l #	50
71) Bromoform	12.346	173	1130	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	90373	22.28	ug/l #	100
79) 2-Chlorotoluene	12.633	91	50	0.94	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	90373	66.22	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.872	180	491	2.13	ug/l #	80
95) Naphthalene	15.087	128	3572	2.24	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.264	180	612	1.54	ug/l #	75

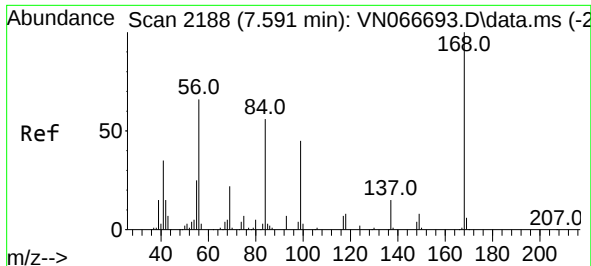
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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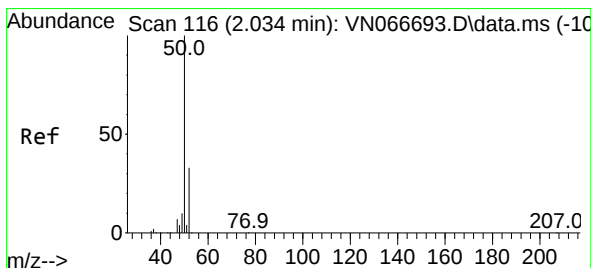
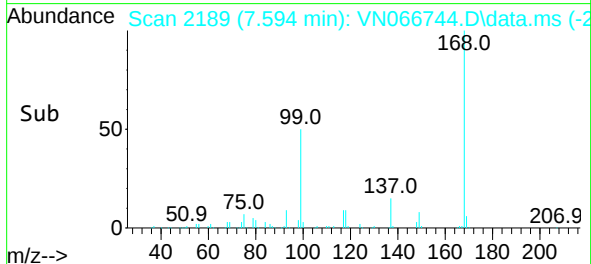
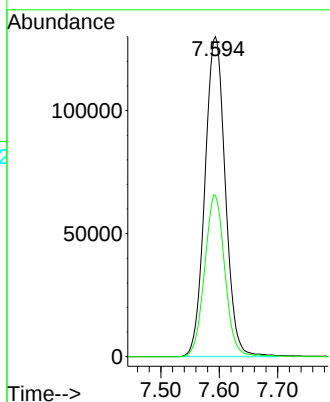
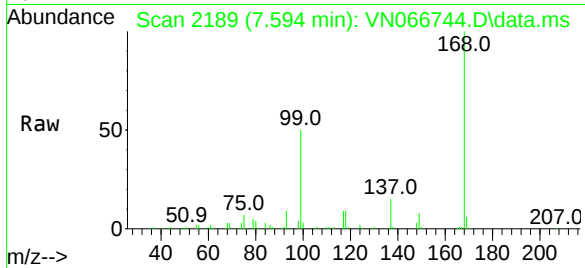




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

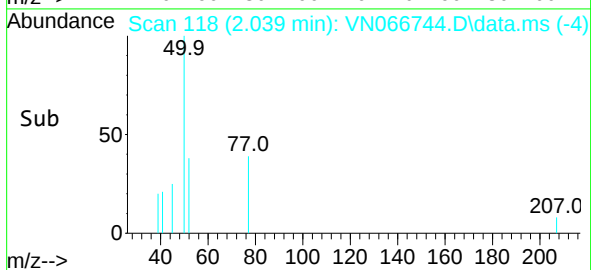
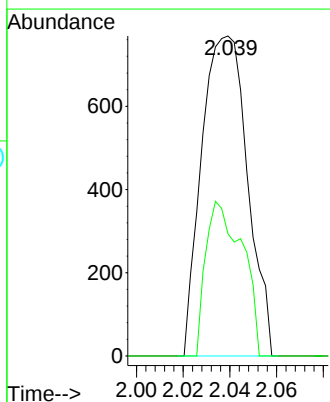
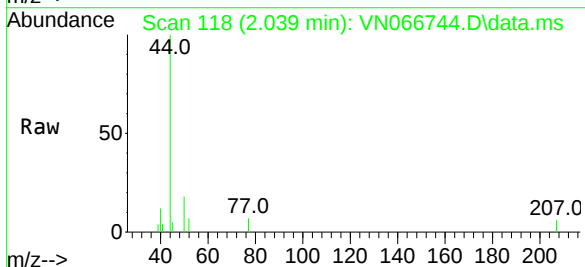
Instrument :
MSVOA_N
ClientSampled :

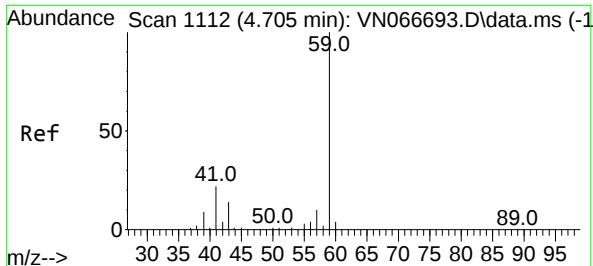
Tgt Ion:168 Resp: 315298
Ion Ratio Lower Upper
168 100
99 50.3 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.039 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Tgt Ion: 50 Resp: 1050
Ion Ratio Lower Upper
50 100
52 38.2 25.8 38.8



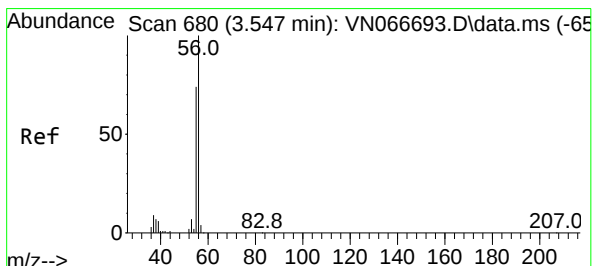
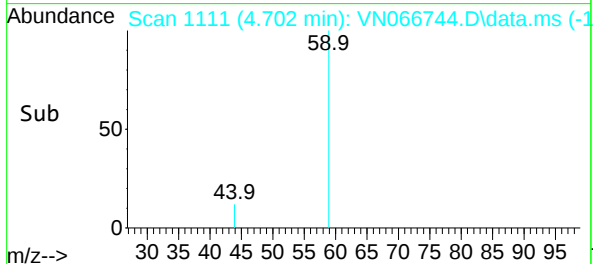
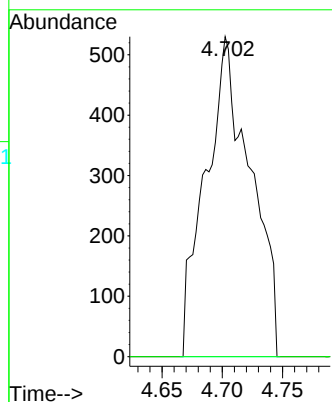
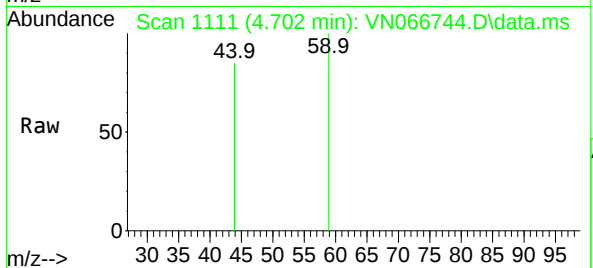


#11

Tert butyl alcohol
Concen: 2.82 ug/l
RT: 4.702 min Scan# 1111
Delta R.T. -0.003 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Instrument :
MSVOA_N
ClientSampled :

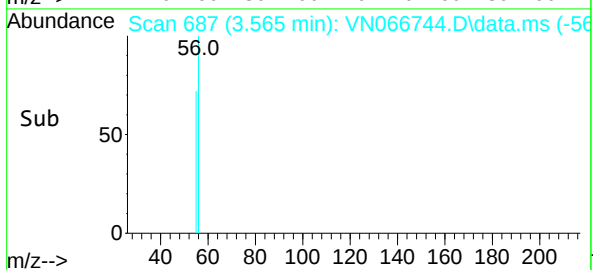
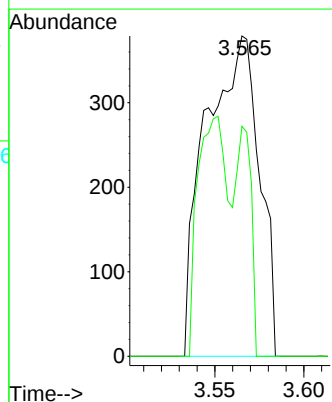
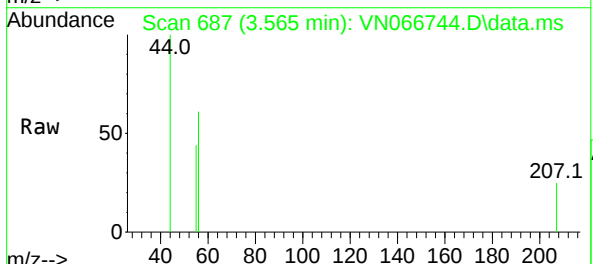
Tgt Ion: 59 Resp: 1374
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

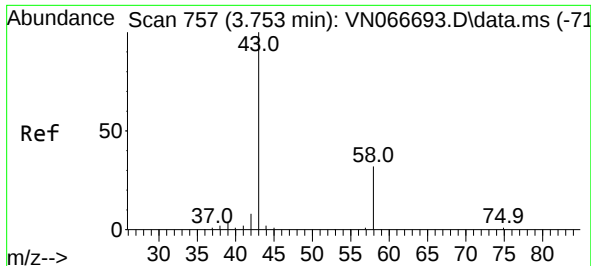


#13

Acrolein
Concen: 1.47 ug/l
RT: 3.565 min Scan# 687
Delta R.T. 0.018 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Tgt Ion: 56 Resp: 791
Ion Ratio Lower Upper
56 100
55 19.5 56.0 84.0#

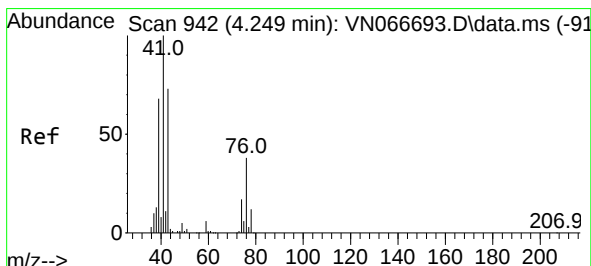
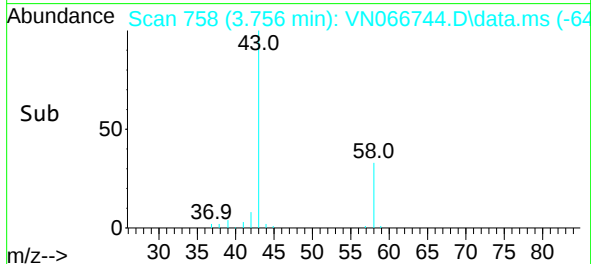
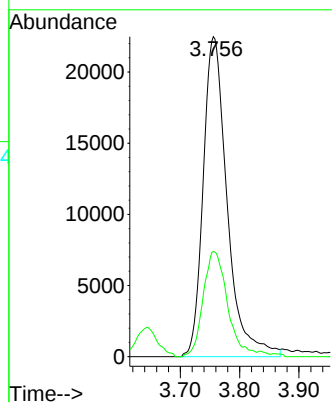
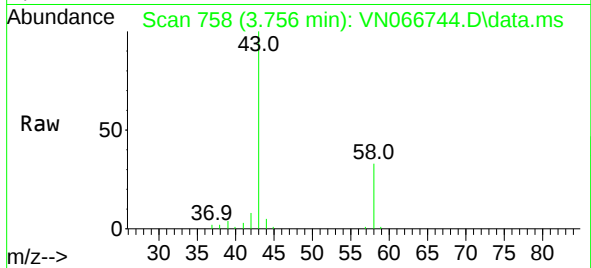




#16
Acetone
Concen: 43.76 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

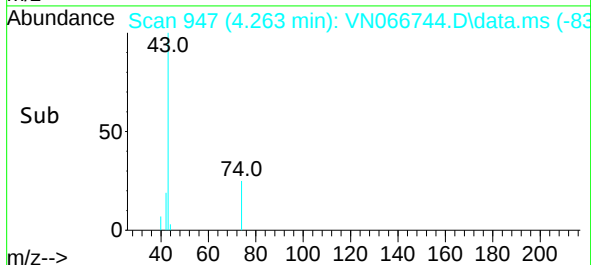
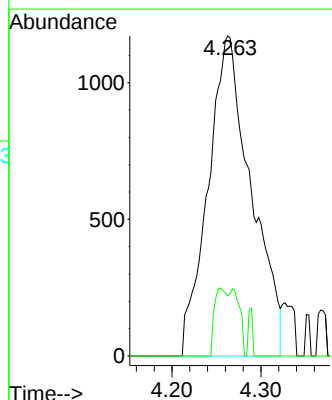
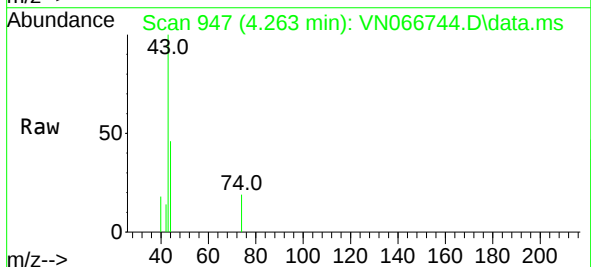
Instrument :
MSVOA_N
ClientSampled :

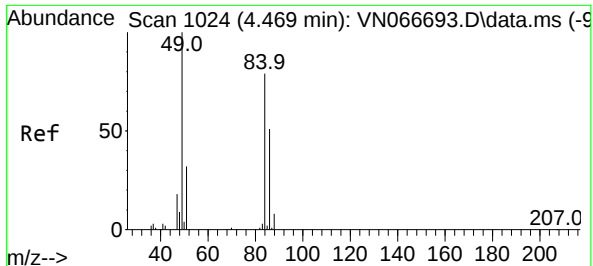
Tgt Ion: 43 Resp: 63097
Ion Ratio Lower Upper
43 100
58 32.9 27.0 40.6



#18
Methyl Acetate
Concen: 0.99 ug/l
RT: 4.263 min Scan# 947
Delta R.T. 0.014 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

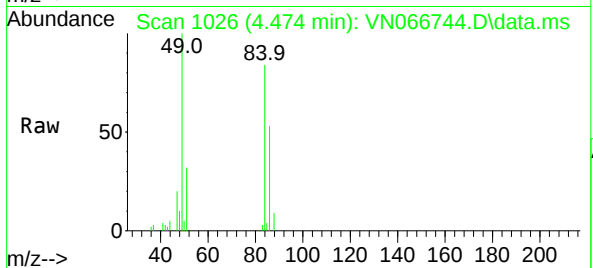
Tgt Ion: 43 Resp: 3941
Ion Ratio Lower Upper
43 100
74 6.3 19.5 29.3#



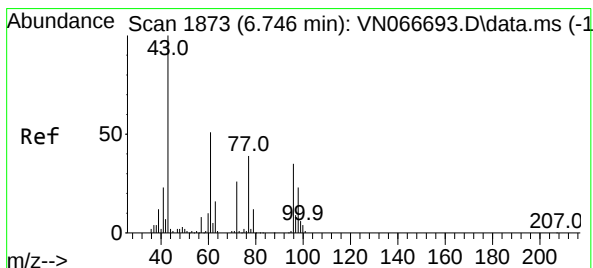
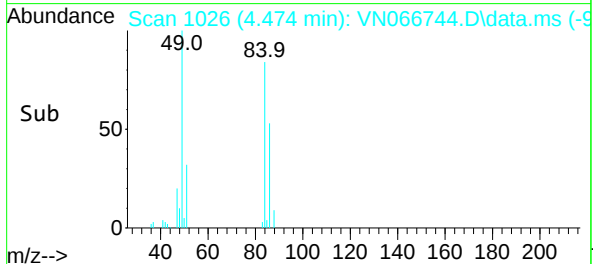
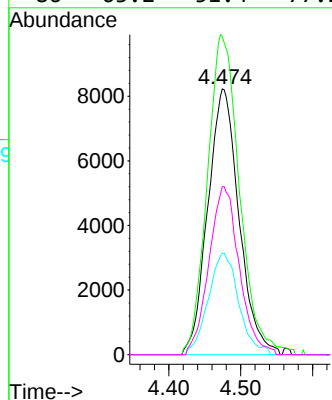


#20
Methylene Chloride
Concen: 5.79 ug/l
RT: 4.474 min Scan# 1026
Delta R.T. 0.005 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Instrument :
MSVOA_N
ClientSampled :

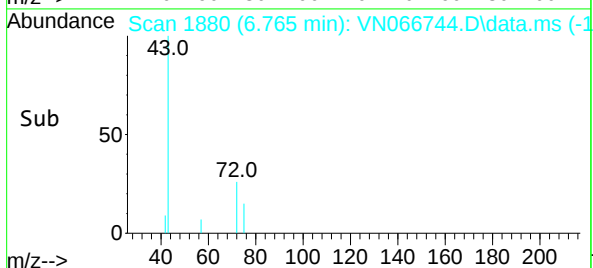
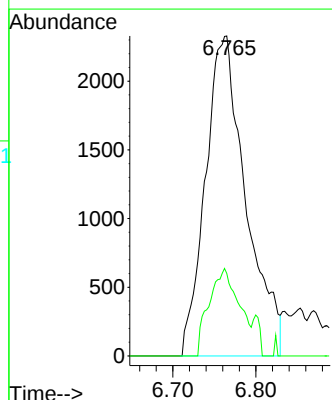
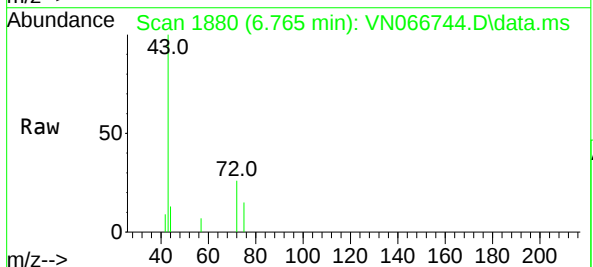


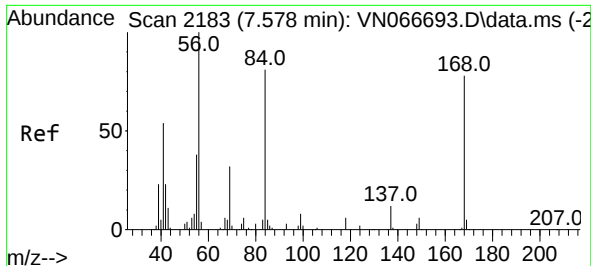
Tgt Ion:	84	Resp:	24809
Ion	Ratio	Lower	Upper
84	100		
49	119.7	94.6	141.8
51	38.2	29.9	44.9
86	63.2	51.4	77.2



#25
2-Butanone
Concen: 3.81 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. 0.019 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

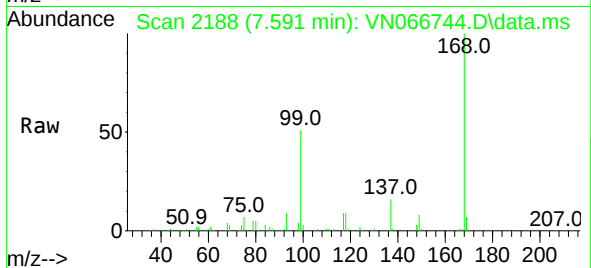
Tgt Ion:	43	Resp:	7882
Ion	Ratio	Lower	Upper
43	100		
72	25.8	23.1	34.7



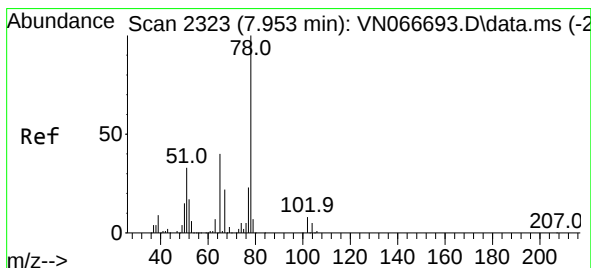
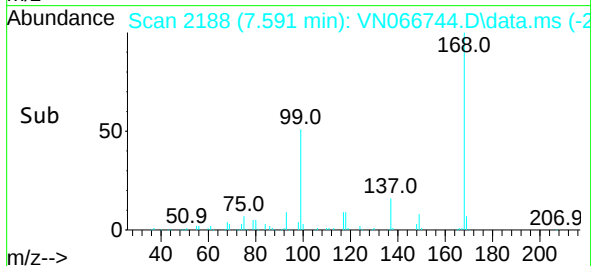
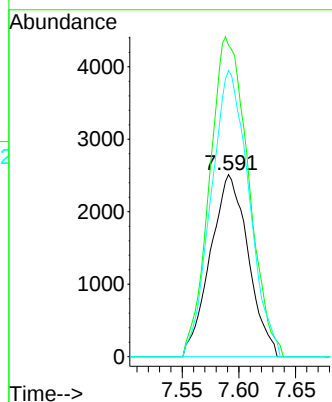


#31
Cyclohexane
Concen: 0.93 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Instrument :
MSVOA_N
ClientSampled :

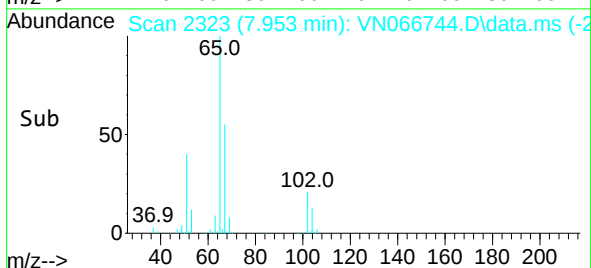
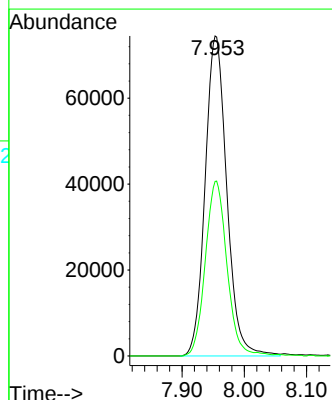
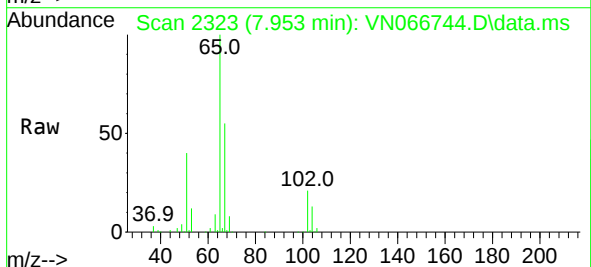


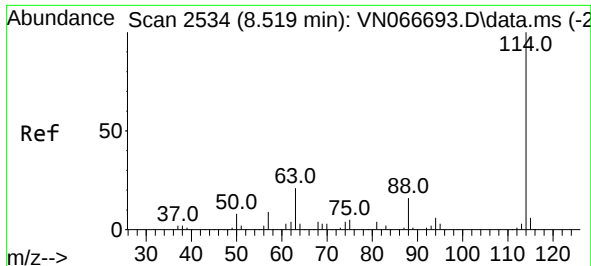
Tgt Ion: 56 Resp: 5832
Ion Ratio Lower Upper
56 100
69 171.0 26.6 39.8#
84 157.0 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 46.72 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Tgt Ion: 65 Resp: 179947
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.2

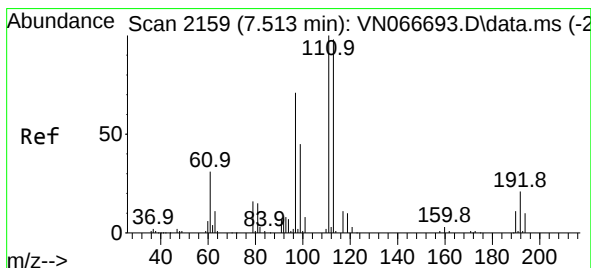
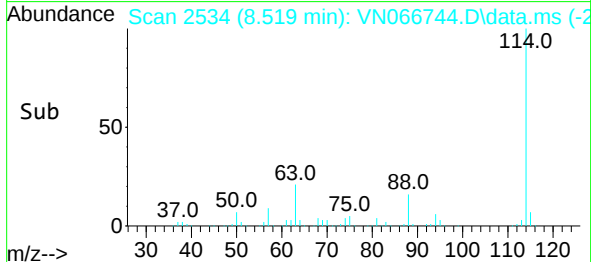
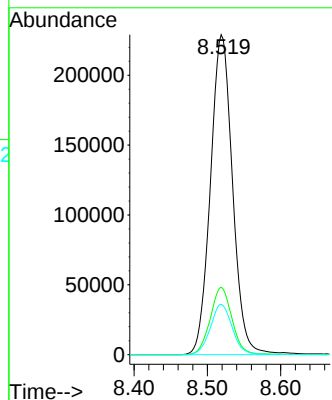
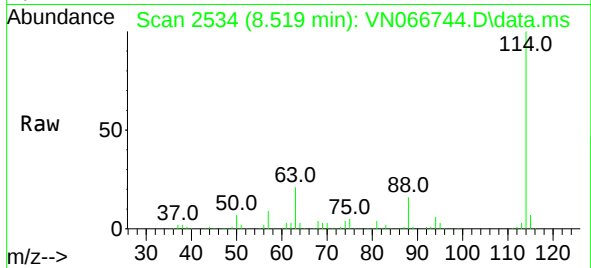




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

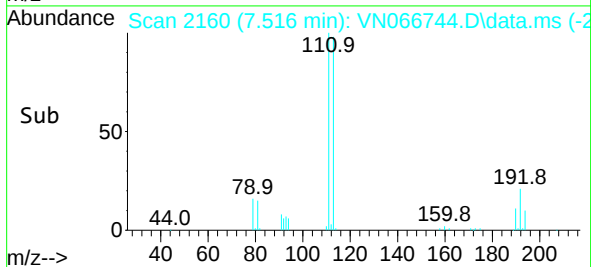
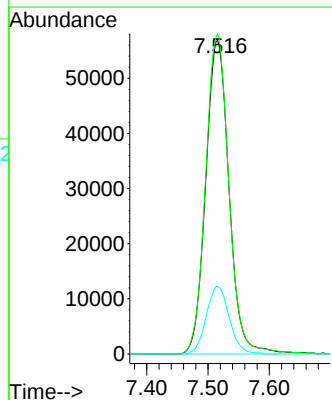
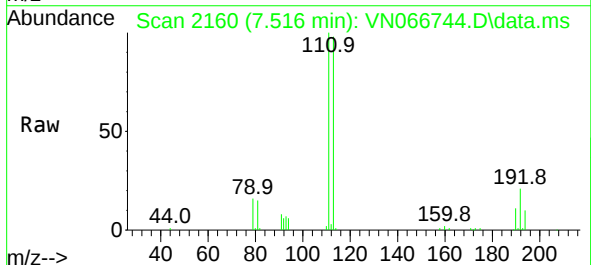
Instrument :
MSVOA_N
ClientSampleId :

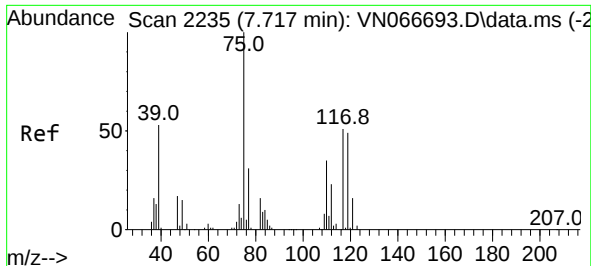
Tgt Ion:114 Resp: 479247
Ion Ratio Lower Upper
114 100
63 21.1 0.0 38.6
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.08 ug/l
RT: 7.516 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

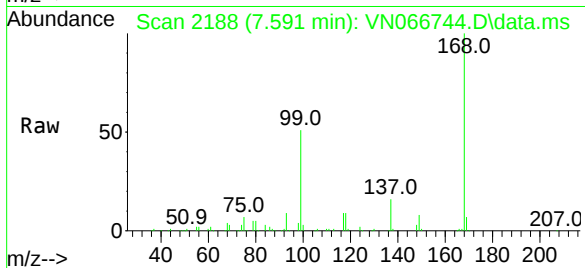
Tgt Ion:113 Resp: 150303
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 21.2 15.4 23.0



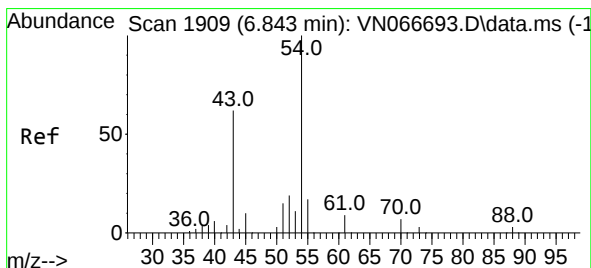
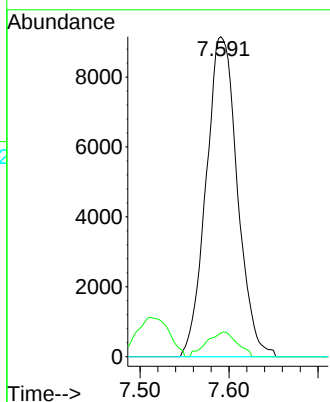
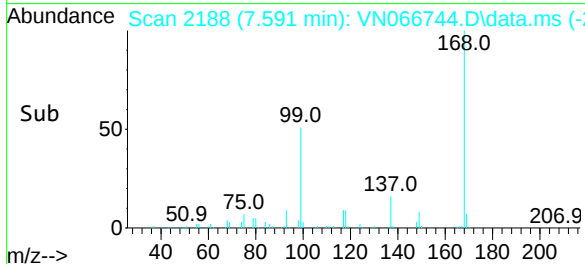


#36
1,1-Dichloropropene
Concen: 5.02 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

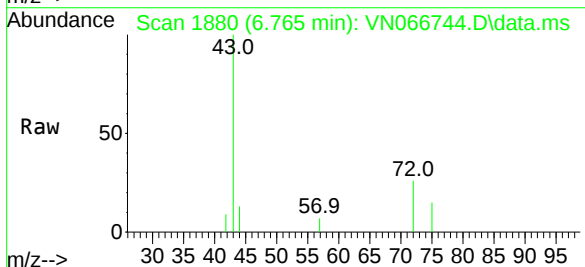
Instrument :
MSVOA_N
ClientSampleId :



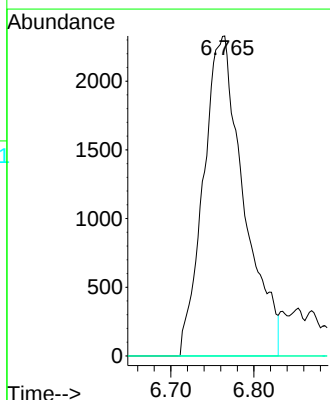
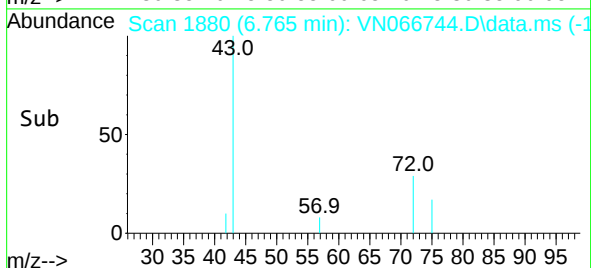
Tgt Ion: 75 Resp: 22377
Ion Ratio Lower Upper
75 100
110 7.4 18.2 54.6#
77 0.0 24.9 37.3#

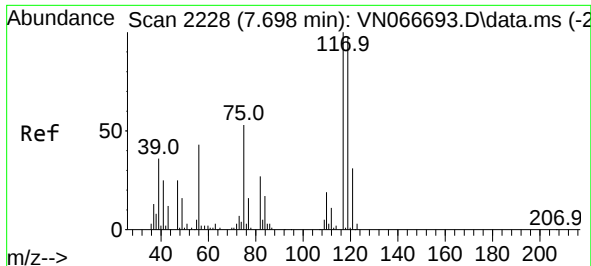


#37
Ethyl Acetate
Concen: 1.68 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. -0.078 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47



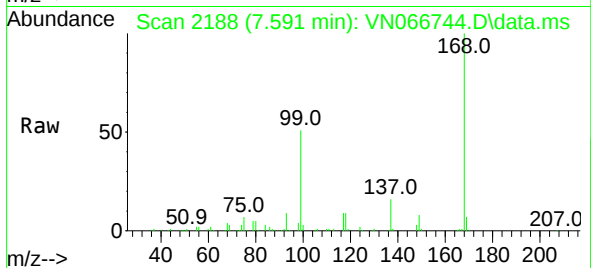
Tgt Ion: 43 Resp: 7882
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



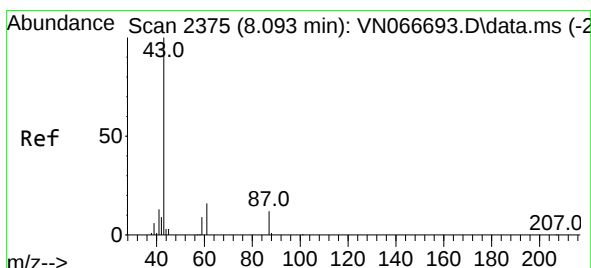
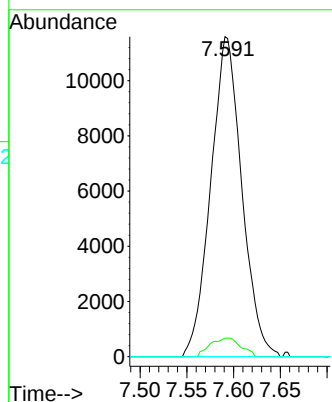
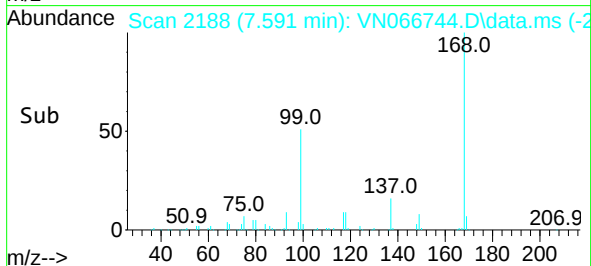


#38
Carbon Tetrachloride
Concen: 6.32 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

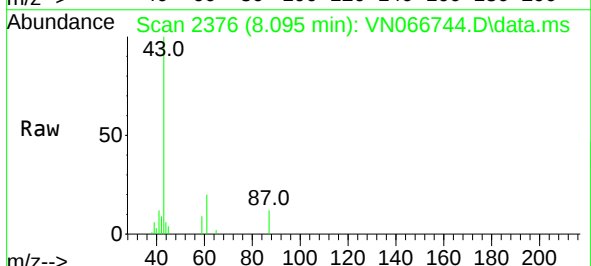
Instrument :
MSVOA_N
ClientSampled :



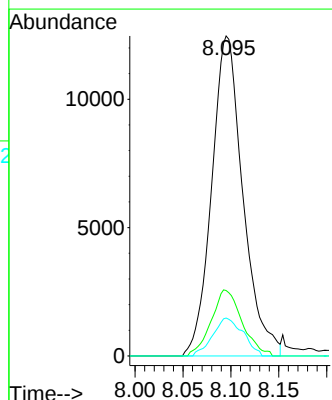
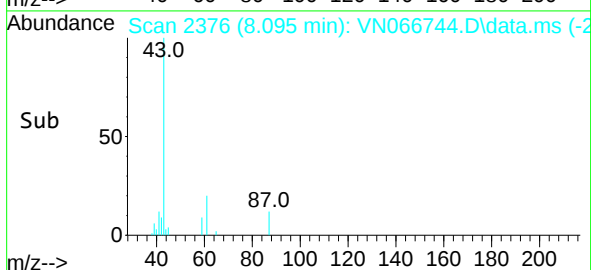
Tgt Ion: 117 Resp: 26784
Ion Ratio Lower Upper
117 100
119 5.7 76.0 114.0#
121 0.0 24.5 36.7#

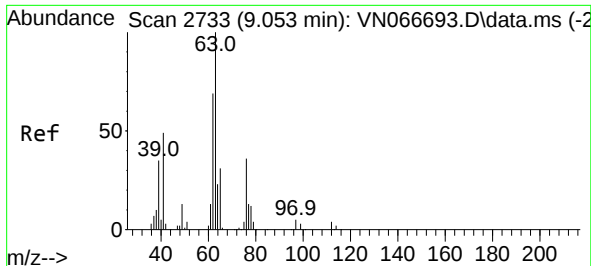


#43
Isopropyl Acetate
Concen: 3.78 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.002 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47



Tgt Ion: 43 Resp: 28237
Ion Ratio Lower Upper
43 100
61 20.4 22.5 33.7#
87 11.5 11.1 16.7





#45

1,2-Dichloropropane

Concen: 0.51 ug/l

RT: 9.205 min Scan# 2790

Delta R.T. 0.152 min

Lab File: VN066744.D

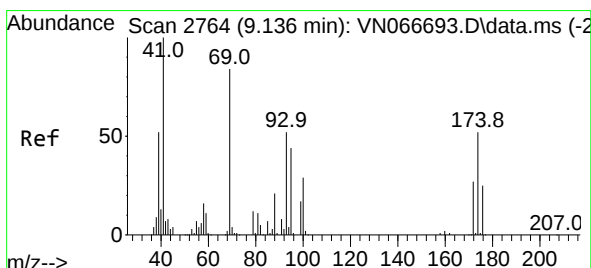
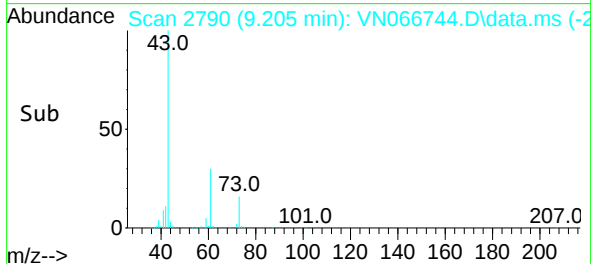
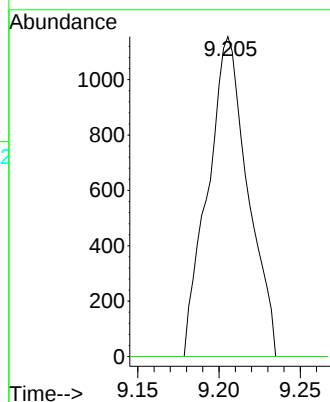
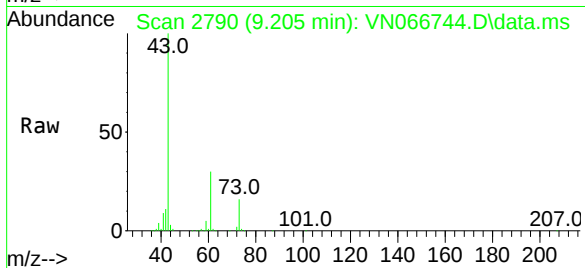
Acq: 23 Apr 2021 17:47

Tgt Ion: 63 Resp: 1974

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.24 ug/l

RT: 9.114 min Scan# 2756

Delta R.T. -0.022 min

Lab File: VN066744.D

Acq: 23 Apr 2021 17:47

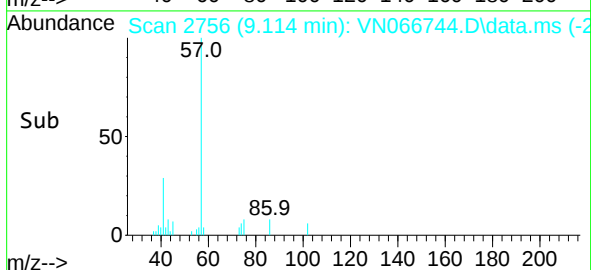
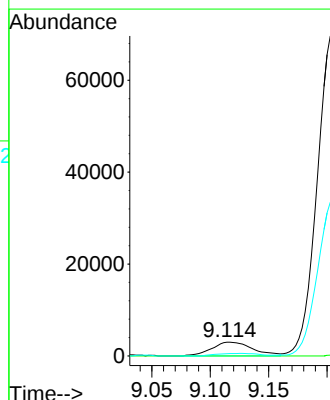
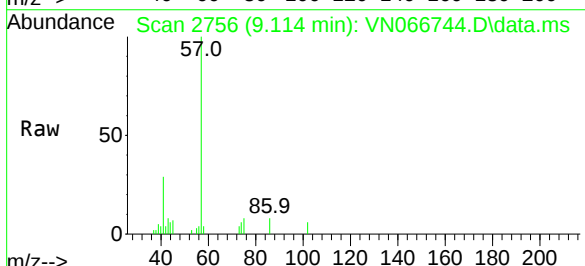
Tgt Ion: 41 Resp: 7340

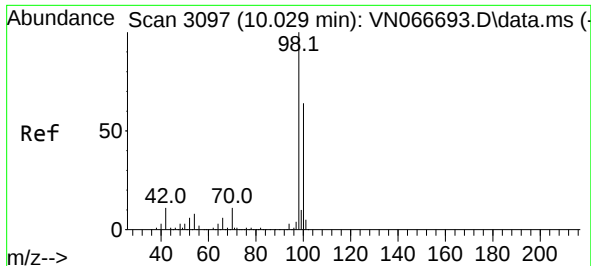
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 0.0 46.6 69.8#

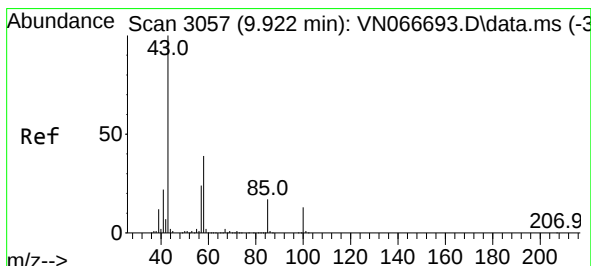
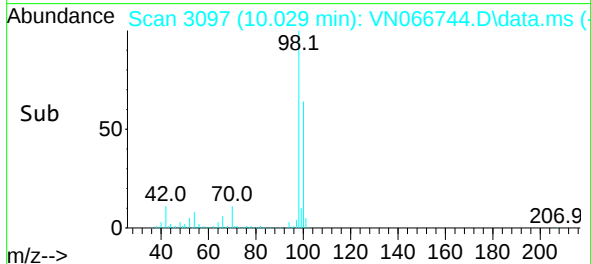
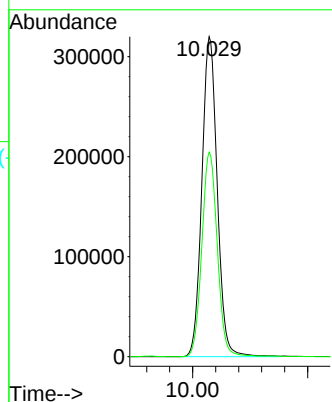
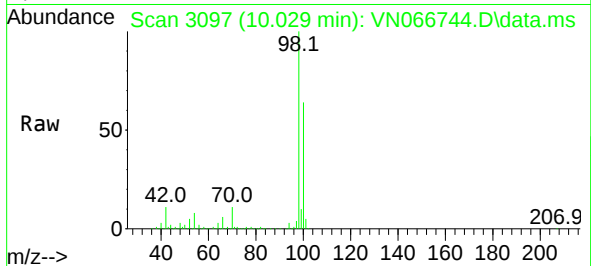




#50
Toluene-d8
Concen: 50.82 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

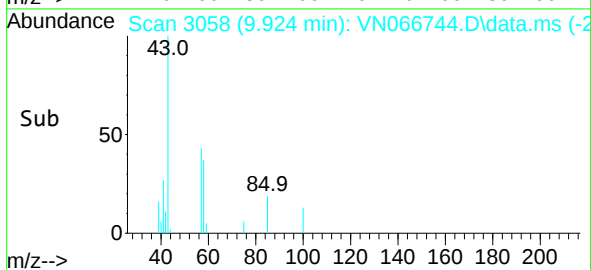
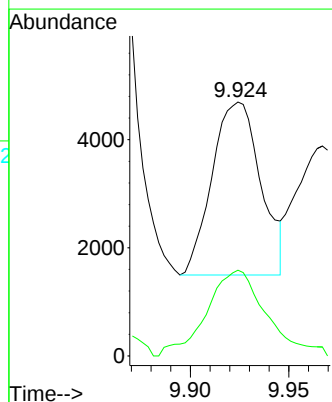
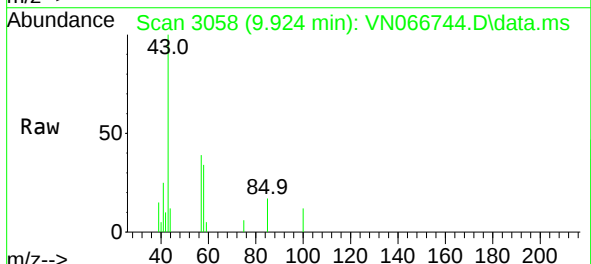
Instrument :
MSVOA_N
ClientSampled :

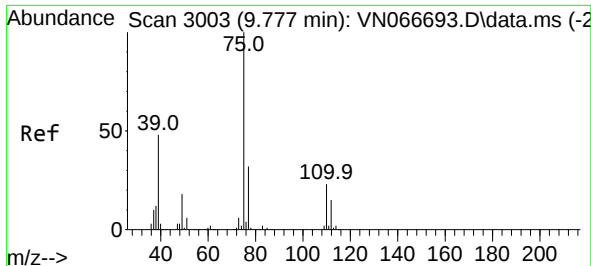
Tgt Ion: 98 Resp: 594760
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.32 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Tgt Ion: 43 Resp: 5502
Ion Ratio Lower Upper
43 100
58 60.7 32.5 48.7#

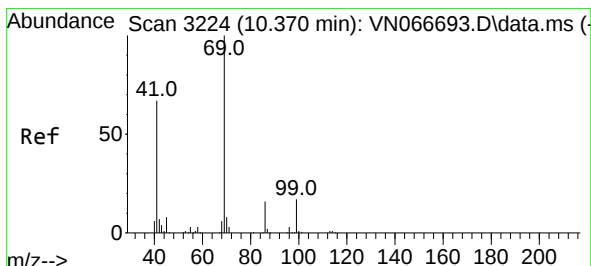
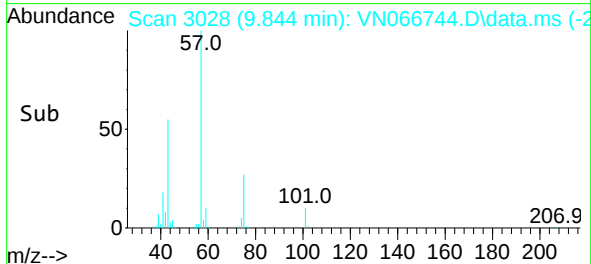
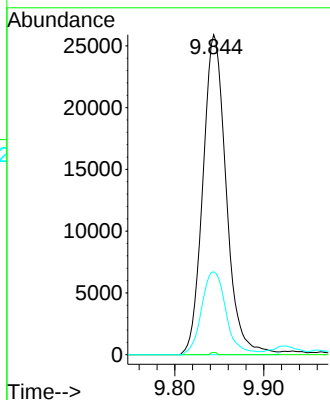
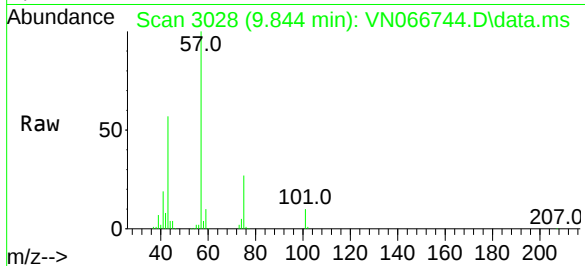




#54
 cis-1,3-Dichloropropene
 Concen: 8.19 ug/l
 RT: 9.844 min Scan# 3028
 Delta R.T. 0.067 min
 Lab File: VN066744.D
 Acq: 23 Apr 2021 17:47

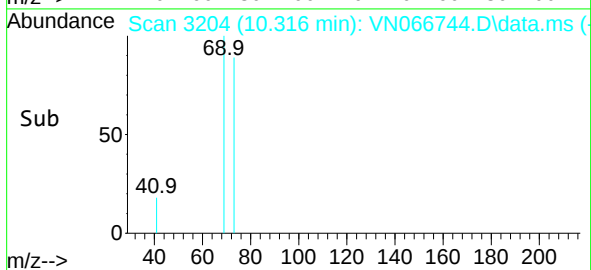
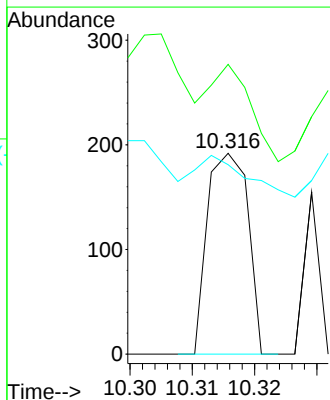
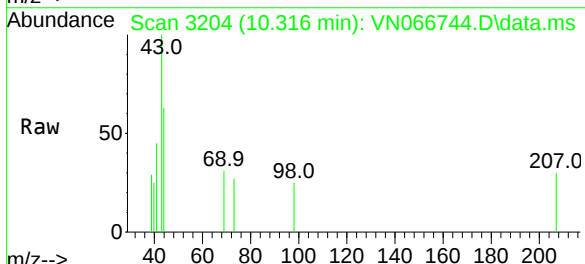
Instrument :
 MSVOA_N
 ClientSampleId :

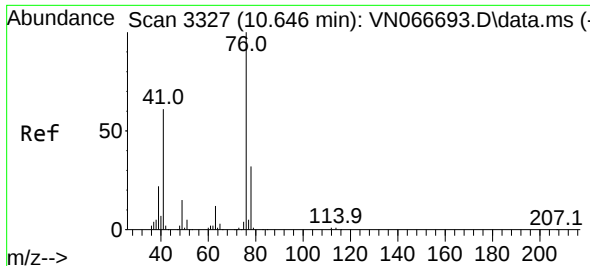
Tgt Ion: 75 Resp: 47134
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.9 37.3#
 39 25.9 36.2 54.4#



#56
 Ethyl methacrylate
 Concen: 3.16 ug/l
 RT: 10.316 min Scan# 3204
 Delta R.T. -0.054 min
 Lab File: VN066744.D
 Acq: 23 Apr 2021 17:47

Tgt Ion: 69 Resp: 86
 Ion Ratio Lower Upper
 69 100
 41 0.0 49.6 74.4#
 39 0.0 28.0 42.0#

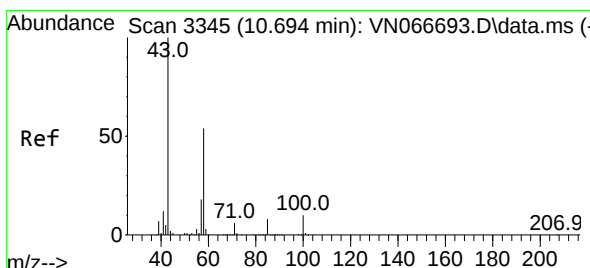
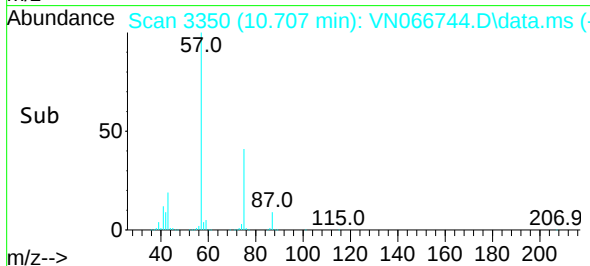
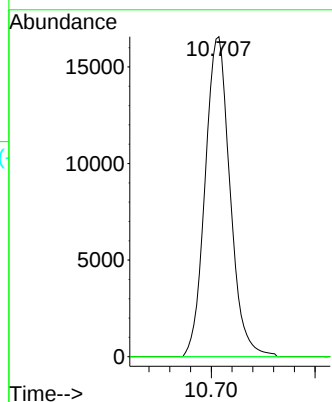
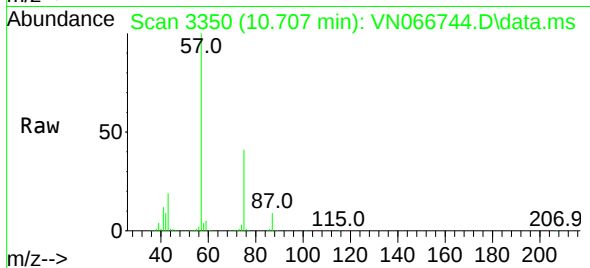




#57
1,3-Dichloropropane
Concen: 4.91 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

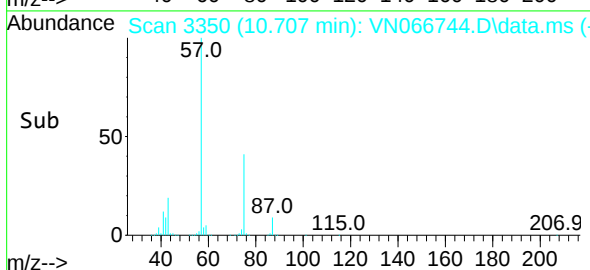
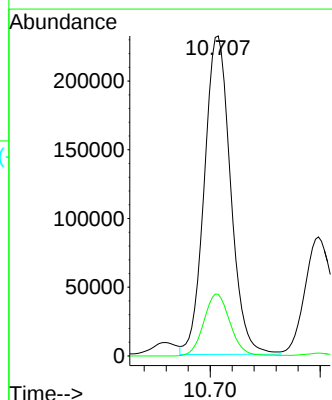
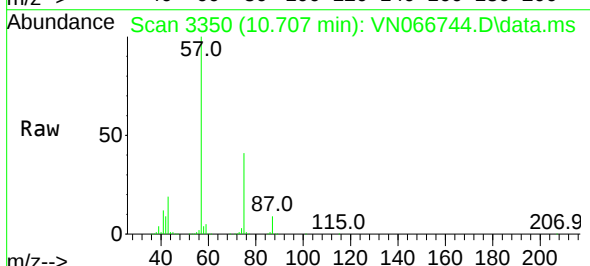
Instrument :
MSVOA_N
ClientSampleId :

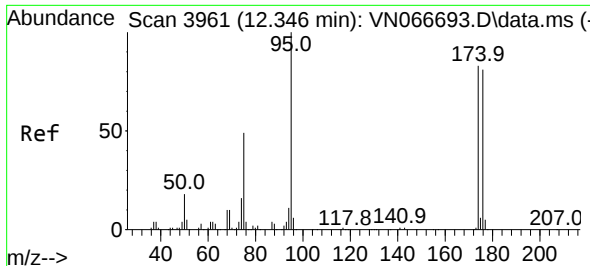
Tgt Ion: 76 Resp: 27552
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 130.90 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Tgt Ion: 43 Resp: 384085
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#

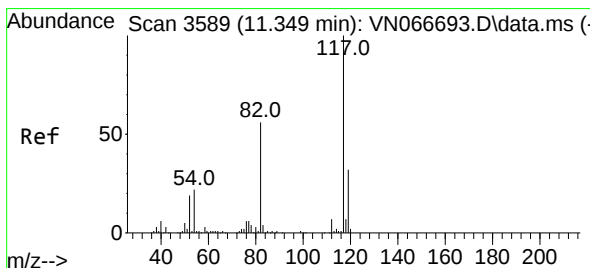
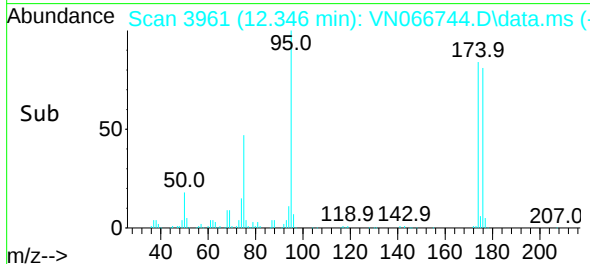
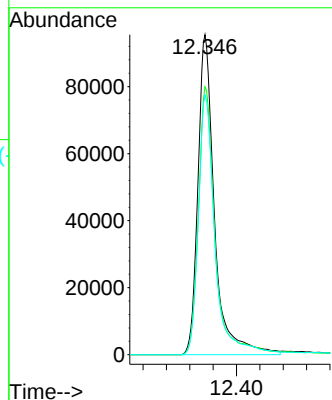
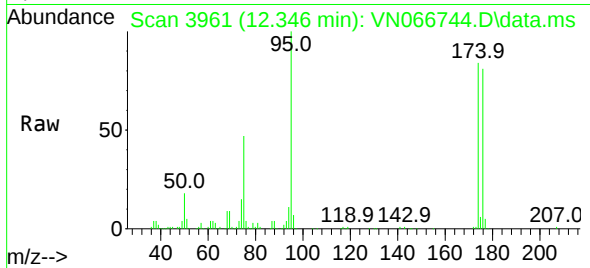




#62
4-Bromofluorobenzene
Concen: 46.89 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.000 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

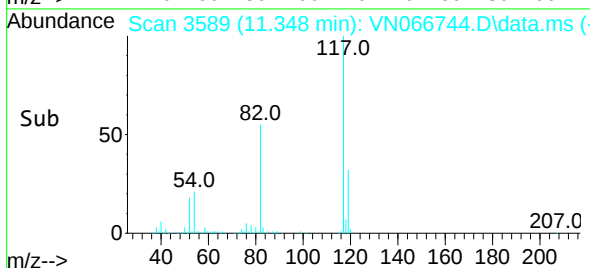
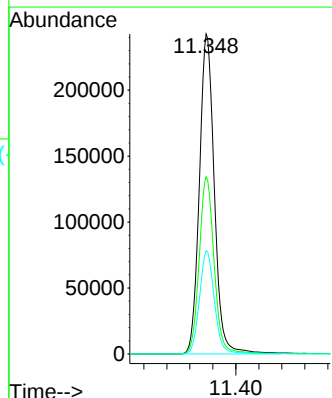
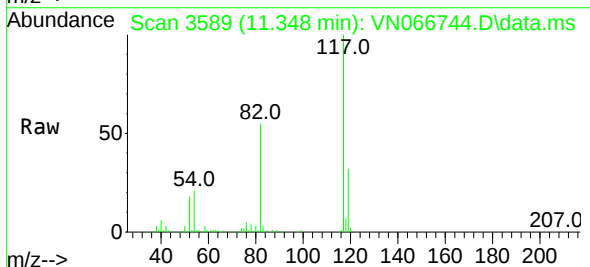
Instrument :
MSVOA_N
ClientSampleId :

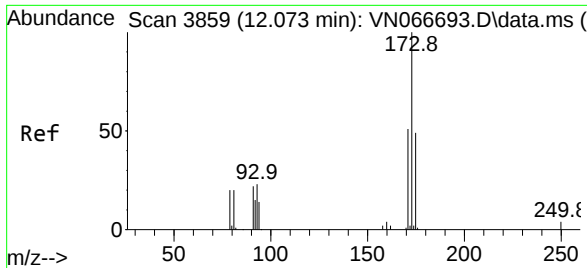
Tgt Ion: 95 Resp: 187934
Ion Ratio Lower Upper
95 100
174 83.9 0.0 169.0
176 82.2 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Tgt Ion: 117 Resp: 438589
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 32.3 26.1 39.1

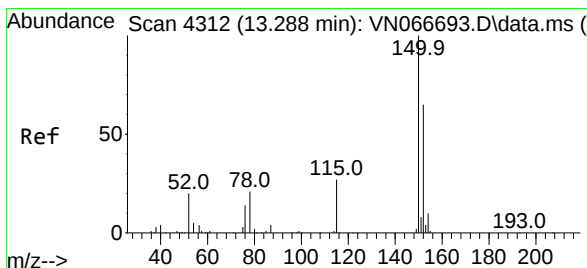
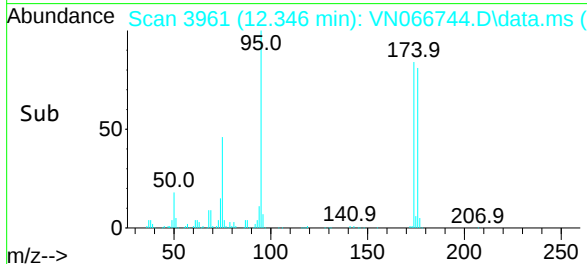
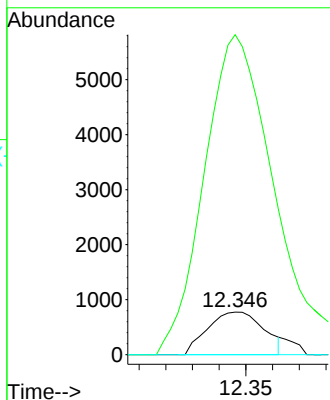
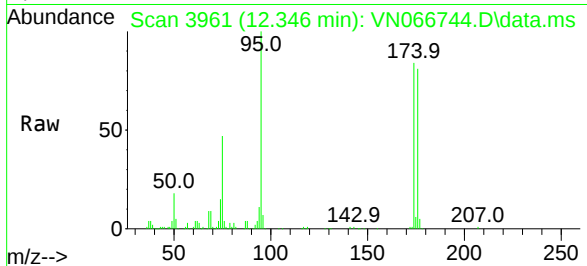




#71
Bromoform
Concen: 0.46 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

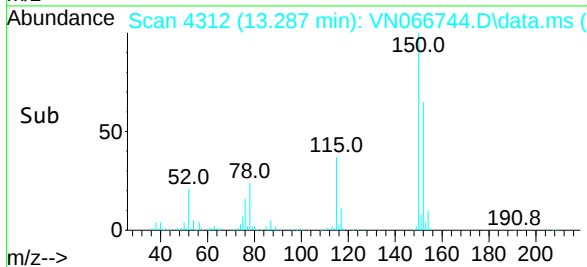
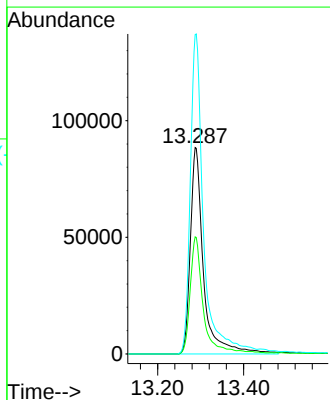
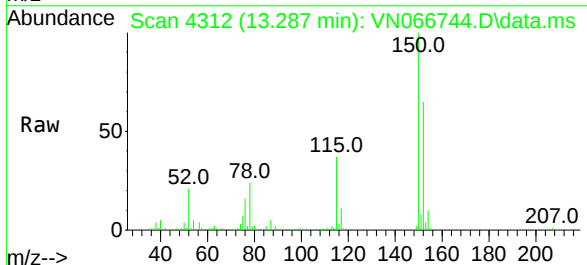
Instrument :
MSVOA_N
ClientSampled :

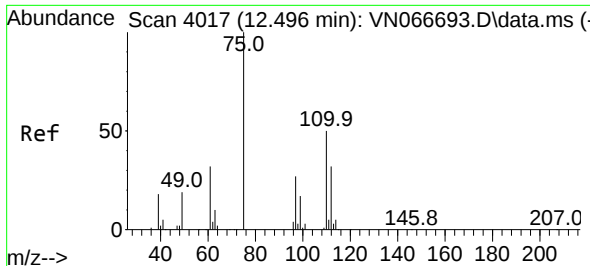
Tgt Ion:173 Resp: 1130
Ion Ratio Lower Upper
173 100
175 814.2 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.287 min Scan# 4312
Delta R.T. -0.001 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Tgt Ion:152 Resp: 189560
Ion Ratio Lower Upper
152 100
115 54.6 28.5 85.6
150 154.6 0.0 347.6

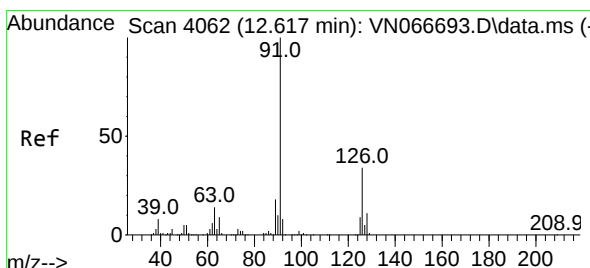
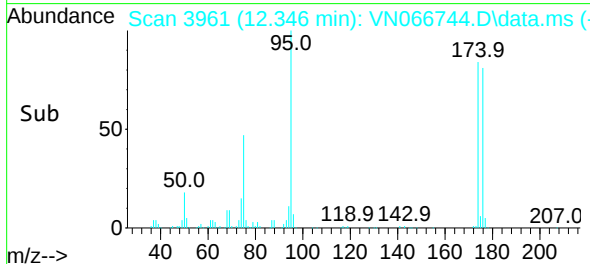
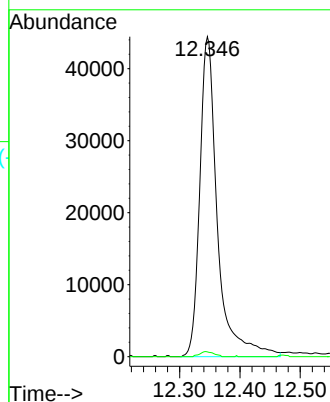
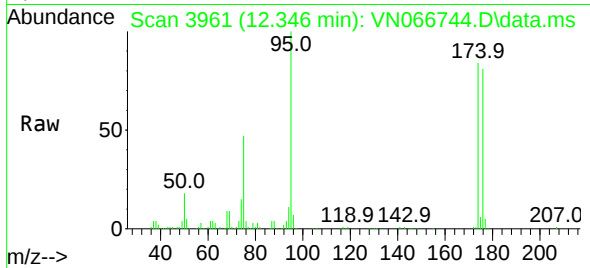




#76
1,2,3-Trichloropropane
Concen: 22.28 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

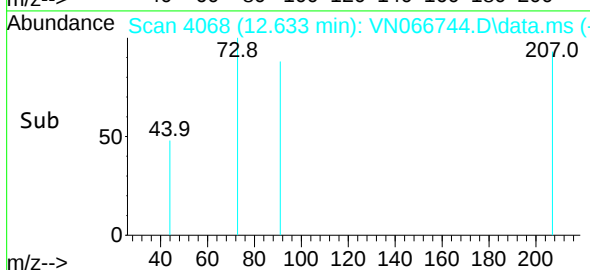
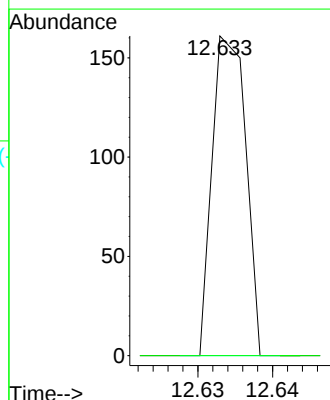
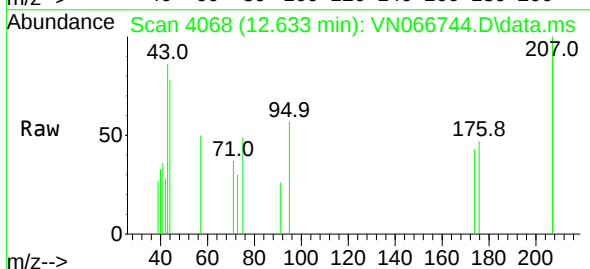
Instrument :
MSVOA_N
ClientSampled :

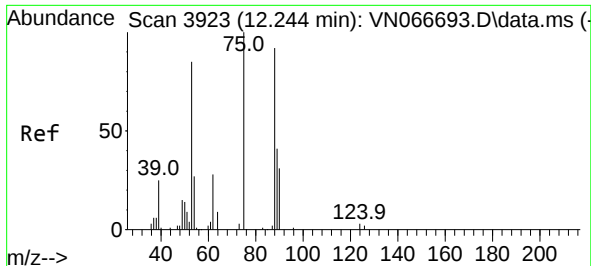
Tgt Ion: 75 Resp: 90373
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.94 ug/l
RT: 12.633 min Scan# 4068
Delta R.T. 0.016 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Tgt Ion: 91 Resp: 50
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

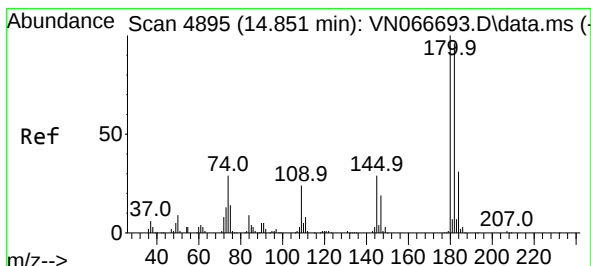
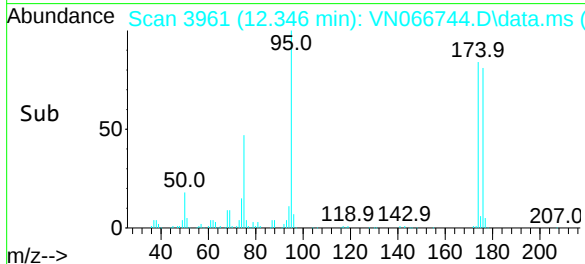
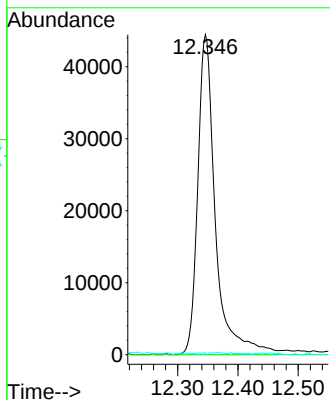
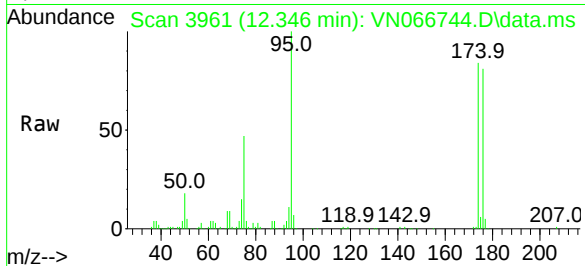




#81
trans-1,4-Dichloro-2-butene
Concen: 66.22 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

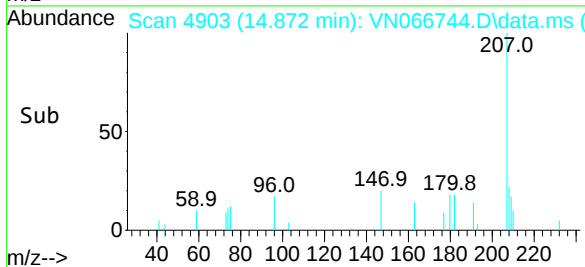
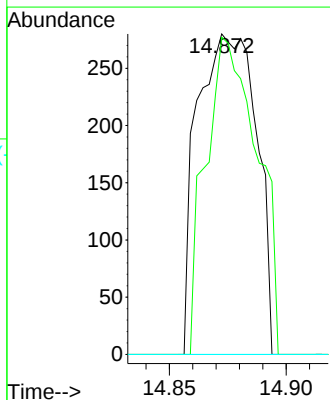
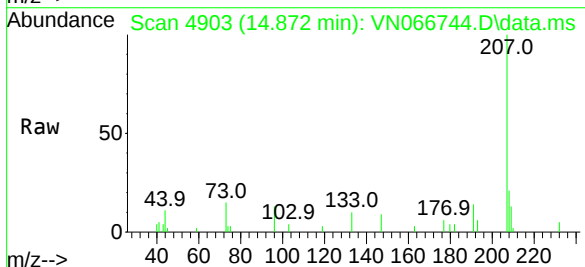
Instrument :
MSVOA_N
ClientSampleId :

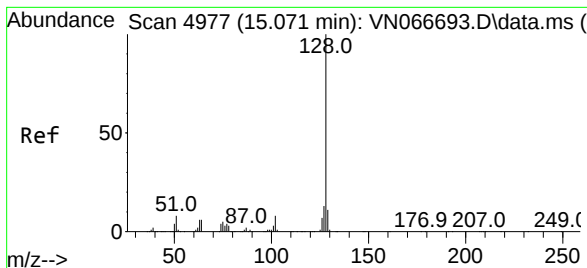
Tgt Ion: 75 Resp: 90373
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.3 35.8 53.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.13 ug/l
RT: 14.872 min Scan# 4903
Delta R.T. 0.021 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Tgt Ion: 180 Resp: 491
Ion Ratio Lower Upper
180 100
182 86.6 47.3 142.0
145 0.0 15.6 46.8#

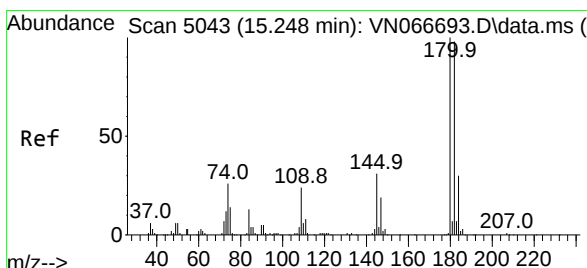
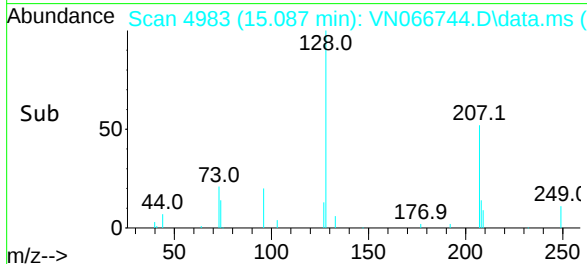
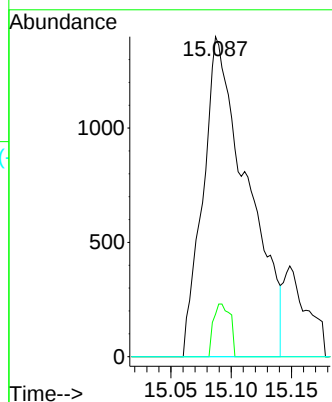
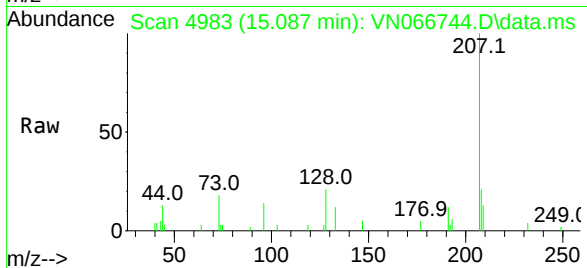




#95
Naphthalene
Concen: 2.24 ug/l
RT: 15.087 min Scan# 4983
Delta R.T. 0.016 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 3572
Ion Ratio Lower Upper
128 100
127 6.2 10.2 15.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.54 ug/l
RT: 15.264 min Scan# 5049
Delta R.T. 0.016 min
Lab File: VN066744.D
Acq: 23 Apr 2021 17:47

Tgt Ion:180 Resp: 612
Ion Ratio Lower Upper
180 100
182 81.5 47.4 142.3
145 0.0 16.5 49.5#

