

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066721.D
 Acq On : 22 Apr 2021 17:48
 Operator : JC/MD
 Sample : M2090-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:36:41 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)

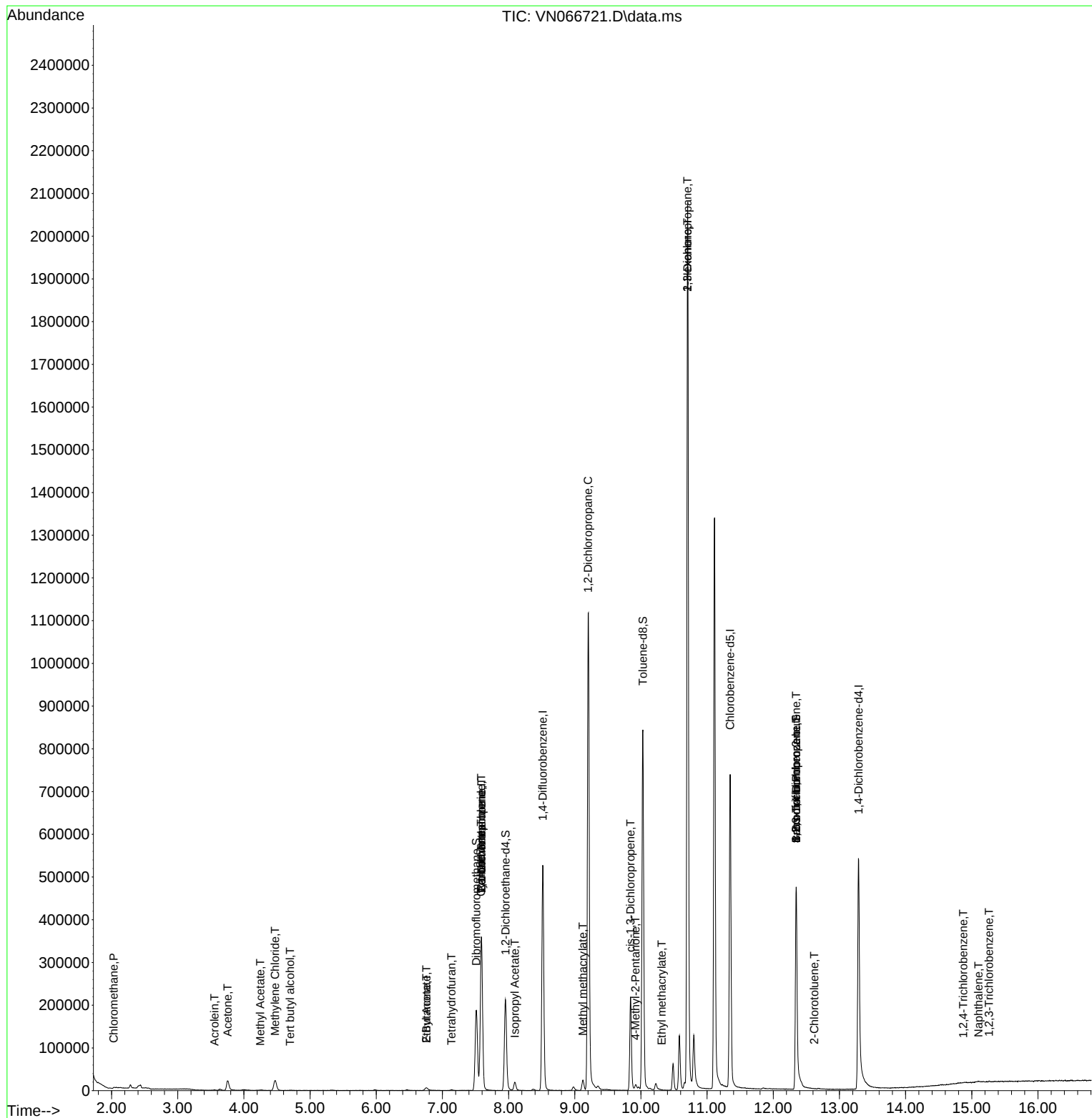
Internal Standards						
1) Pentafluorobenzene	7.591	168	317204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.516	114	486696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	456613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.288	152	199570	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	184041	47.49	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.98%		
35) Dibromofluoromethane	7.511	113	151325	49.65	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.30%		
50) Toluene-d8	10.029	98	599906	50.47	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.94%		
62) 4-Bromofluorobenzene	12.346	95	200050	49.15	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.30%		
Target Compounds					Qvalue	
3) Chloromethane	2.031	50	1209	0.24	ug/l	93
11) Tert butyl alcohol	4.697	59	571	1.16	ug/l #	73
13) Acrolein	3.555	56	1078	1.99	ug/l	98
16) Acetone	3.753	43	40418	27.86	ug/l	98
18) Methyl Acetate	4.247	43	1033	0.26	ug/l #	67
20) Methylene Chloride	4.469	84	18341	4.25	ug/l	97
25) 2-Butanone	6.757	43	13200	6.34	ug/l #	86
29) Tetrahydrofuran	7.135	42	1514	1.06	ug/l #	37
31) Cyclohexane	7.586	56	5727	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21784	4.81	ug/l #	48
37) Ethyl Acetate	6.757	43	13200	2.78	ug/l #	68
38) Carbon Tetrachloride	7.588	117	27162	6.31	ug/l #	17
43) Isopropyl Acetate	8.093	43	24469	3.22	ug/l #	82
45) 1,2-Dichloropropane	9.200	63	1363	0.34	ug/l #	44
48) Methyl methacrylate	9.120	41	6337	1.90	ug/l #	10
51) 4-Methyl-2-Pentanone	9.919	43	9651	2.27	ug/l	97
54) cis-1,3-Dichloropropene	9.844	75	42343	7.25	ug/l #	61
56) Ethyl methacrylate	10.313	69	54	3.16	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	21726	3.81	ug/l #	43
59) 2-Hexanone	10.705	43	308373	106.97	ug/l #	50
71) Bromoform	12.346	173	1274	0.50	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	93847	21.98	ug/l #	100
79) 2-Chlorotoluene	12.620	91	24	0.94	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	93847	65.39	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.870	180	78	2.02	ug/l #	36
95) Naphthalene	15.103	128	3722	2.24	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.262	180	255	1.43	ug/l #	73

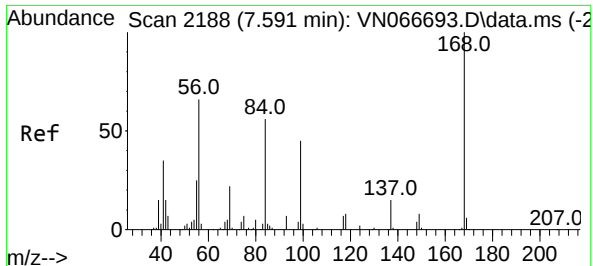
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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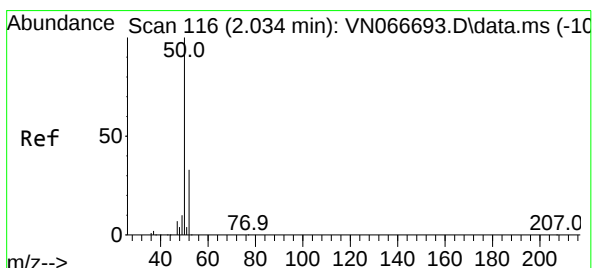
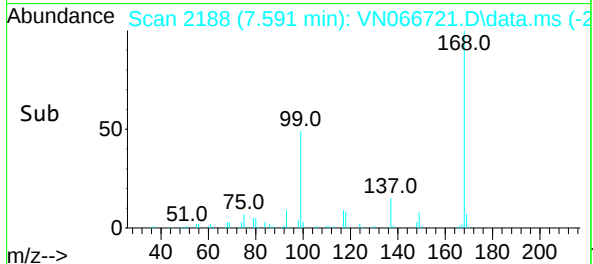
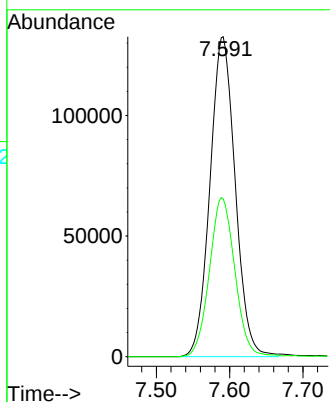
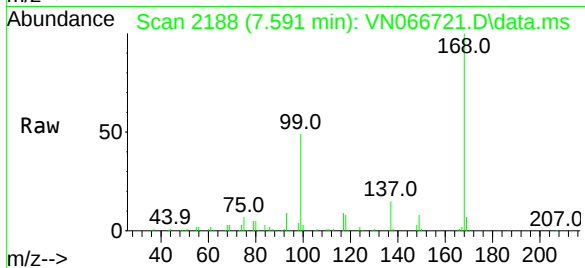




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

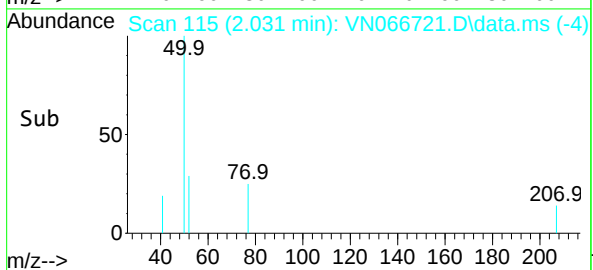
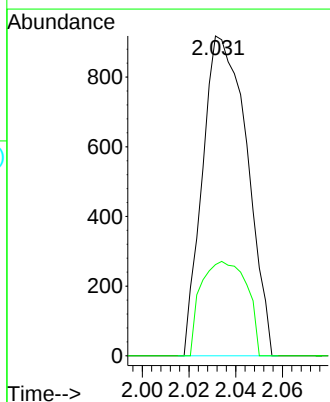
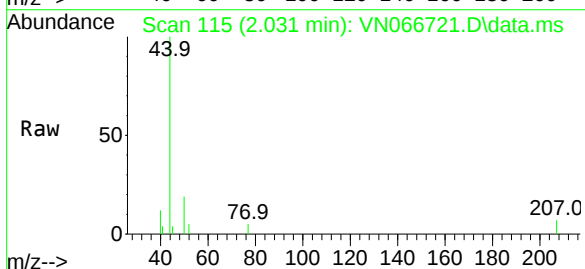
Instrument :
MSVOA_N
ClientSampleId :

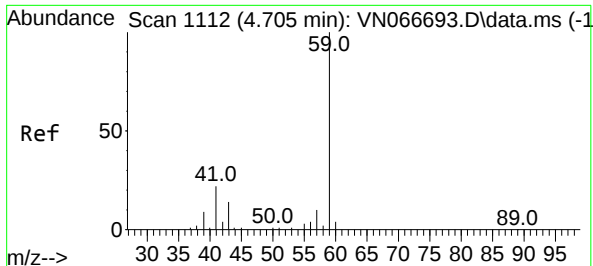
Tgt Ion:168 Resp: 317204
Ion Ratio Lower Upper
168 100
99 49.3 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.031 min Scan# 115
Delta R.T. -0.003 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

Tgt Ion: 50 Resp: 1209
Ion Ratio Lower Upper
50 100
52 28.5 25.8 38.8



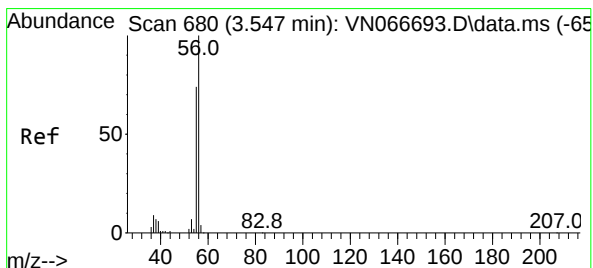
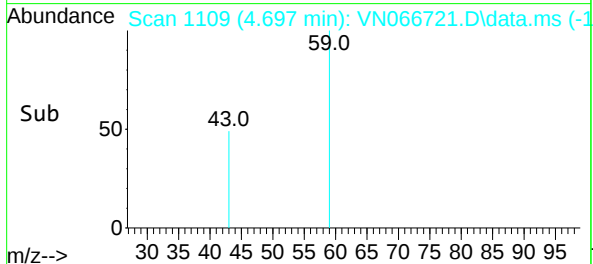
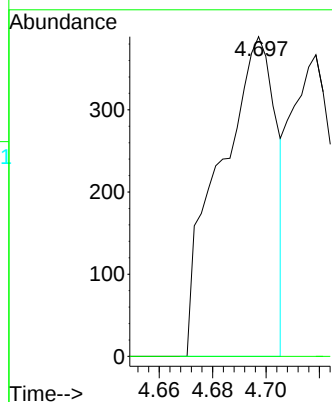
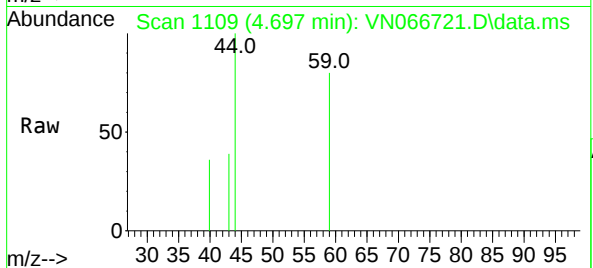


#11

Tert butyl alcohol
Concen: 1.16 ug/l
RT: 4.697 min Scan# 1109
Delta R.T. -0.008 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

Instrument :
MSVOA_N
ClientSampled :

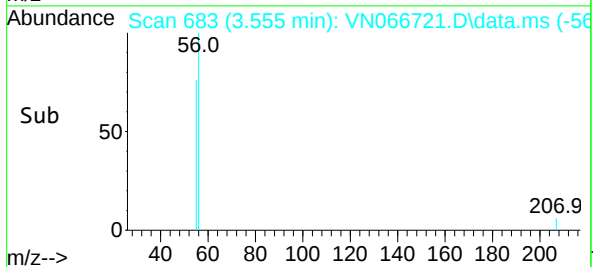
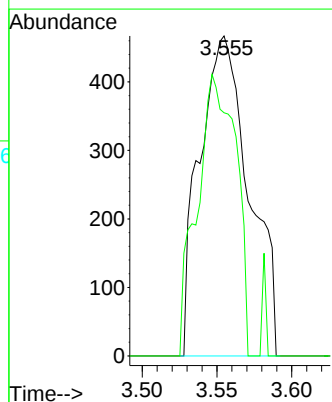
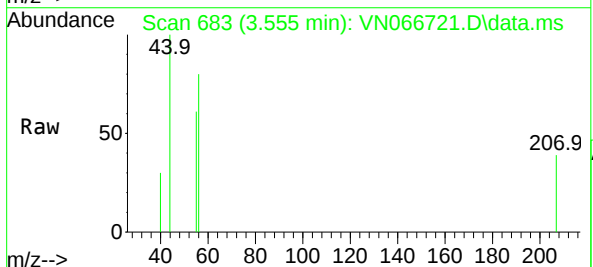
Tgt Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

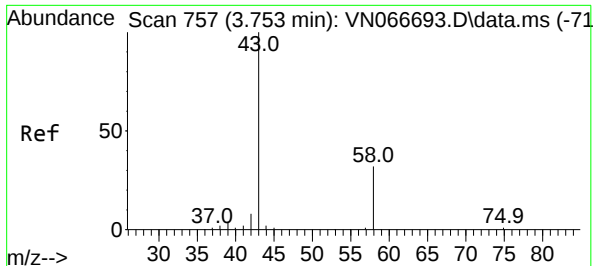


#13

Acrolein
Concen: 1.99 ug/l
RT: 3.555 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

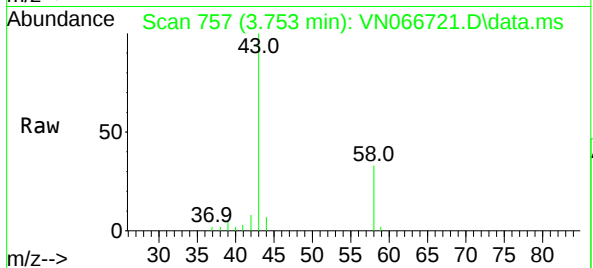
Tgt Ion: 56 Resp: 1078
Ion Ratio Lower Upper
56 100
55 68.7 56.0 84.0



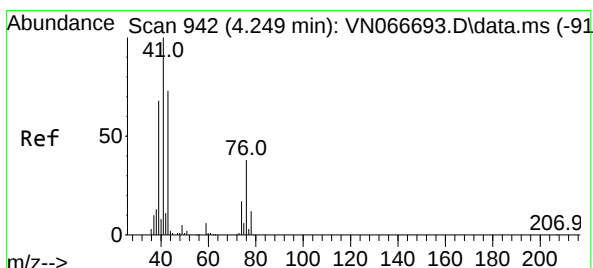
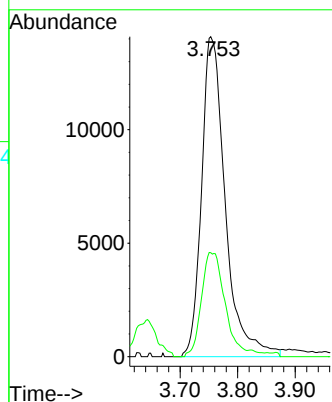
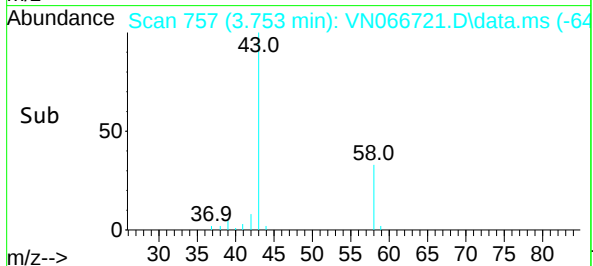


#16
Acetone
Concen: 27.86 ug/l
RT: 3.753 min Scan# 757
Delta R.T. 0.000 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

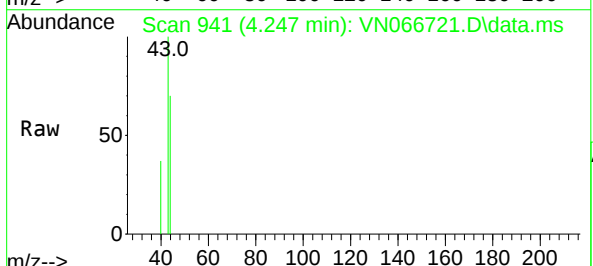
Instrument :
MSVOA_N
ClientSampled :



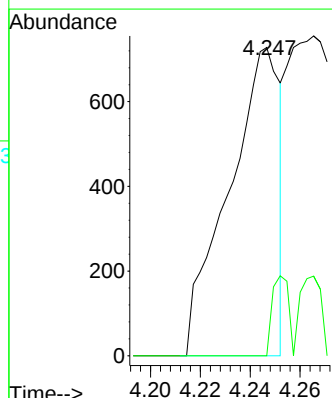
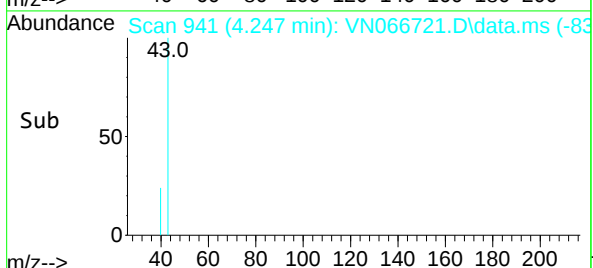
Tgt Ion: 43 Resp: 40418
Ion Ratio Lower Upper
43 100
58 32.5 27.0 40.6

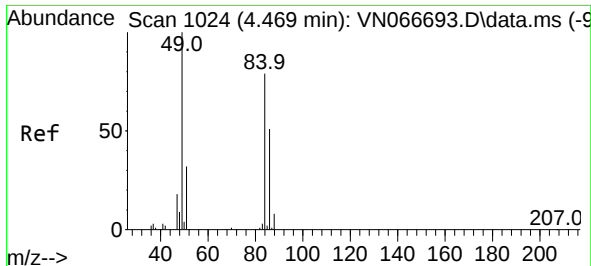


#18
Methyl Acetate
Concen: 0.26 ug/l
RT: 4.247 min Scan# 941
Delta R.T. -0.002 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48



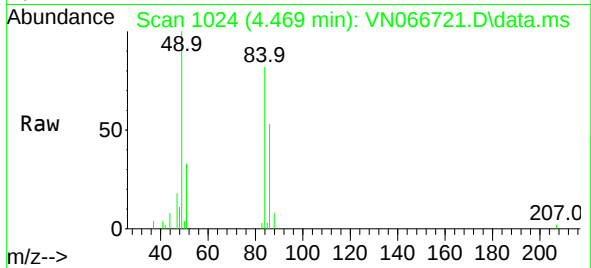
Tgt Ion: 43 Resp: 1033
Ion Ratio Lower Upper
43 100
74 8.2 19.5 29.3#



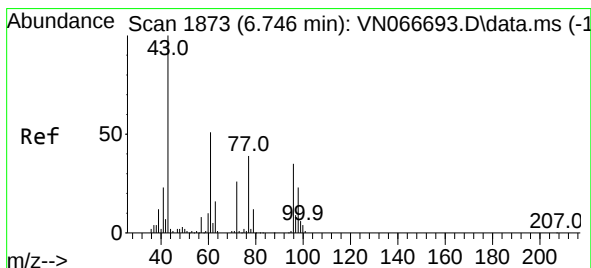
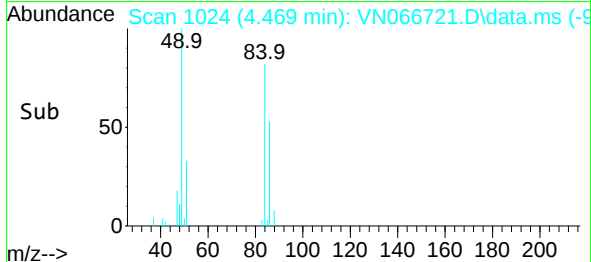
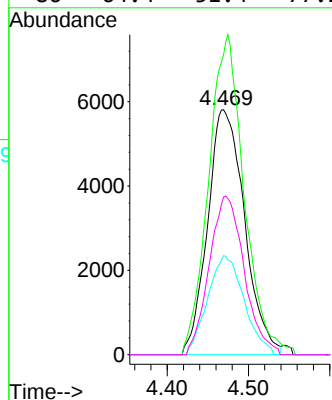


#20
Methylene Chloride
Concen: 4.25 ug/l
RT: 4.469 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

Instrument :
MSVOA_N
ClientSampleId :

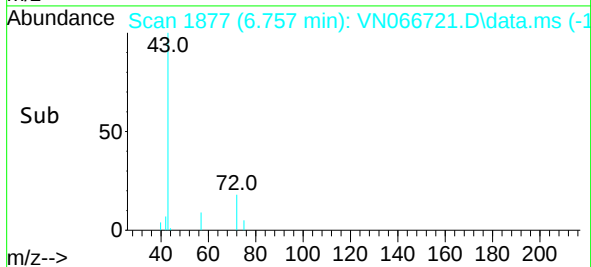
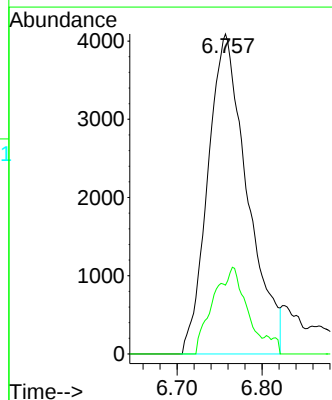
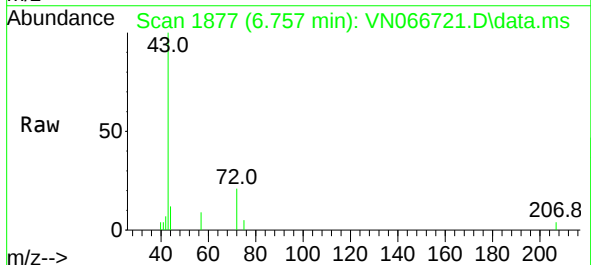


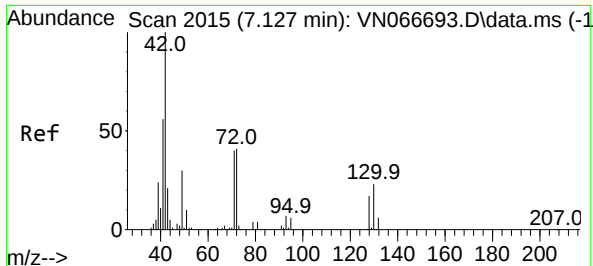
Tgt Ion: 84	Resp: 18341
Ion Ratio	Lower Upper
84 100	
49 122.4	94.6 141.8
51 40.4	29.9 44.9
86 64.4	51.4 77.2



#25
2-Butanone
Concen: 6.34 ug/l
RT: 6.757 min Scan# 1877
Delta R.T. 0.011 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

Tgt Ion: 43	Resp: 13200
Ion Ratio	Lower Upper
43 100	
72 21.5	23.1 34.7#





#29

Tetrahydrofuran

Concen: 1.06 ug/l

RT: 7.135 min Scan# 2018

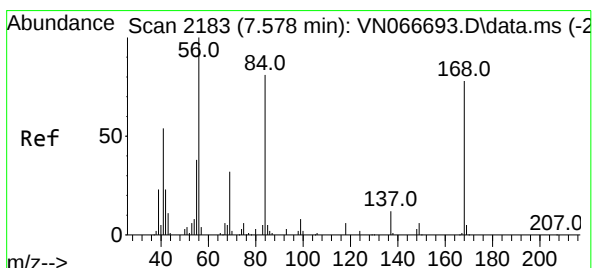
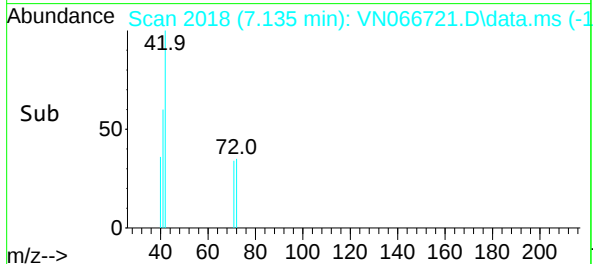
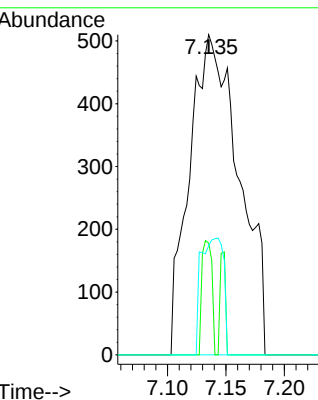
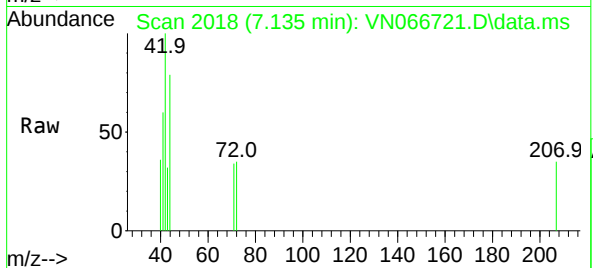
Delta R.T. 0.008 min

Lab File: VN066721.D

Acq: 22 Apr 2021 17:48

Tgt Ion:	42	Resp:	1514
Ion	Ratio	Lower	Upper
42	100		
72	7.1	36.6	55.0#
71	0.0	34.3	51.5#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 0.91 ug/l

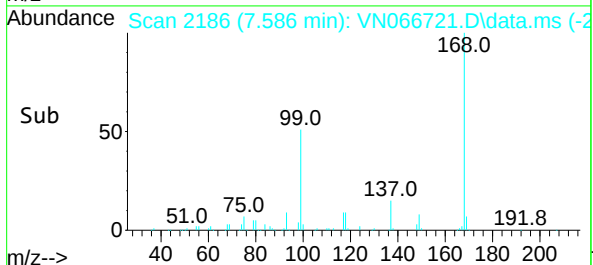
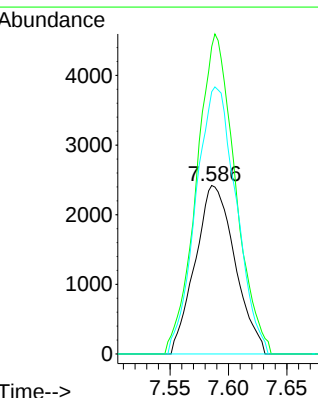
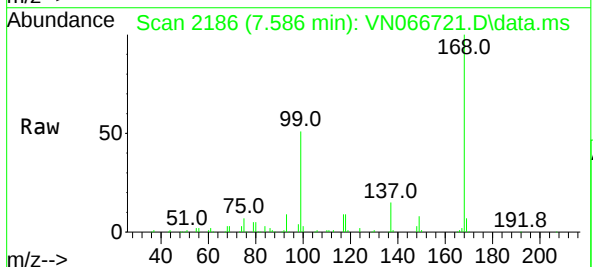
RT: 7.586 min Scan# 2186

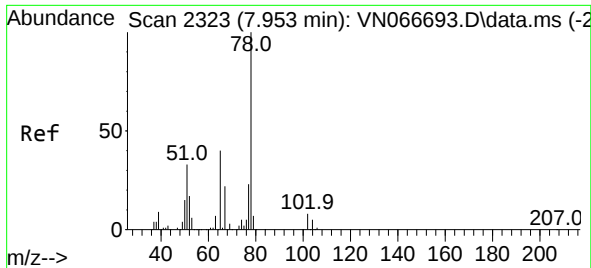
Delta R.T. 0.008 min

Lab File: VN066721.D

Acq: 22 Apr 2021 17:48

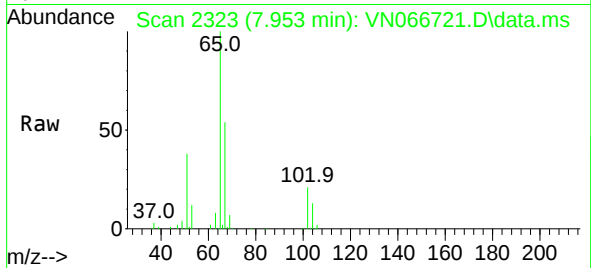
Tgt Ion:	56	Resp:	5727
Ion	Ratio	Lower	Upper
56	100		
69	175.2	26.6	39.8#
84	155.7	70.4	105.6#



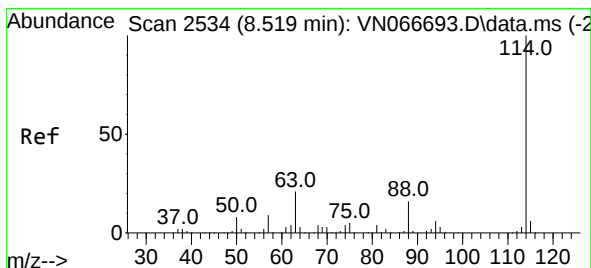
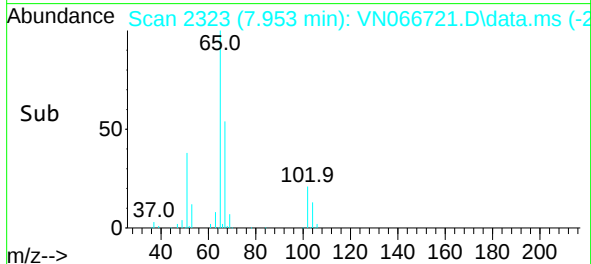
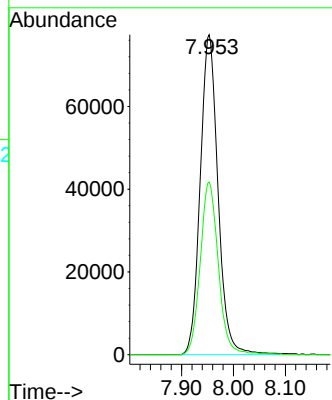


#33
 1,2-Dichloroethane-d4
 Concen: 47.49 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066721.D
 Acq: 22 Apr 2021 17:48

Instrument :
 MSVOA_N
 ClientSampled :

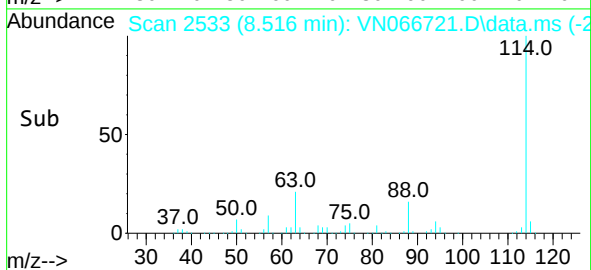
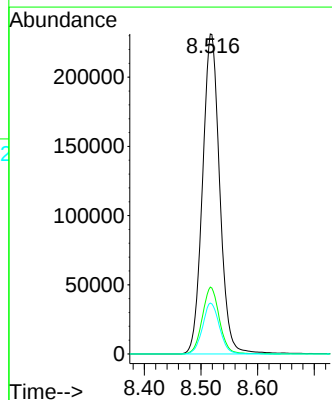
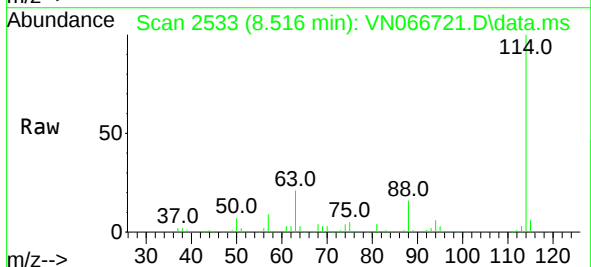


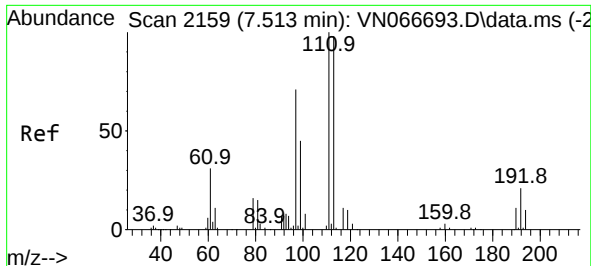
Tgt Ion: 65 Resp: 184041
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.516 min Scan# 2533
 Delta R.T. -0.003 min
 Lab File: VN066721.D
 Acq: 22 Apr 2021 17:48

Tgt Ion: 114 Resp: 486696
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 38.6
 88 15.9 0.0 30.6

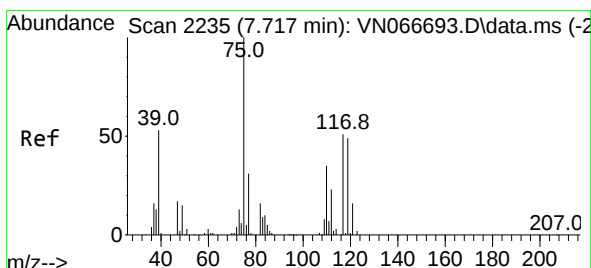
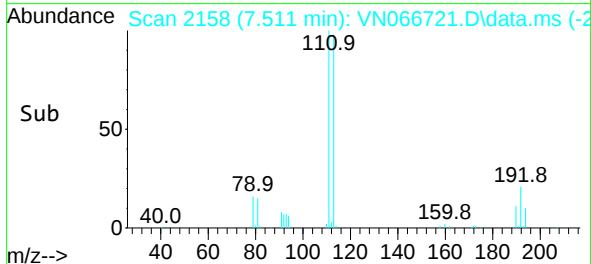
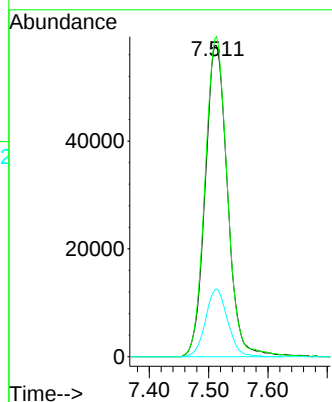
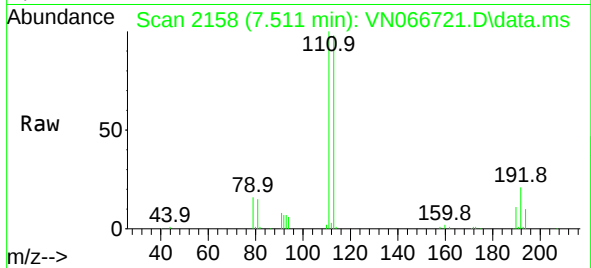




#35
Dibromofluoromethane
Concen: 49.65 ug/l
RT: 7.511 min Scan# 2158
Delta R.T. -0.002 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

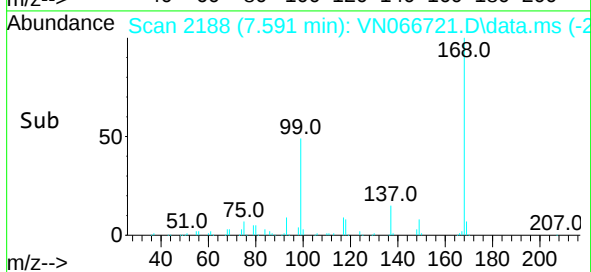
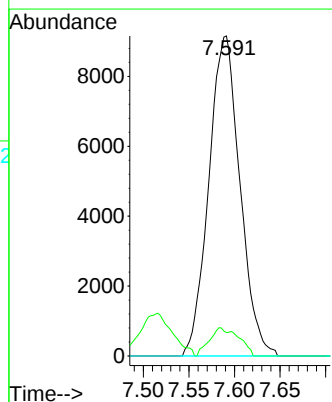
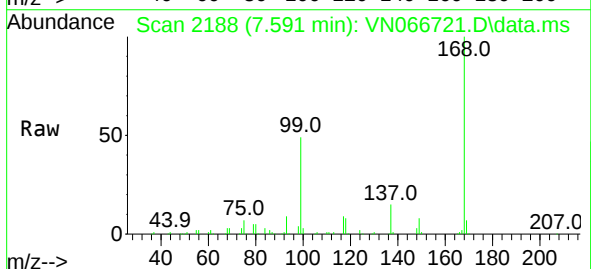
Instrument :
MSVOA_N
ClientSampleId :

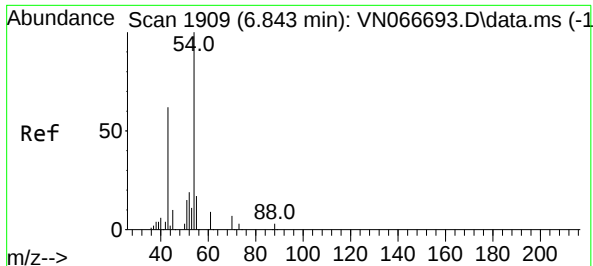
Tgt Ion:113 Resp: 151325
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 21.4 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.81 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

Tgt Ion: 75 Resp: 21784
Ion Ratio Lower Upper
75 100
110 8.3 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 2.78 ug/l

RT: 6.757 min Scan# 1877

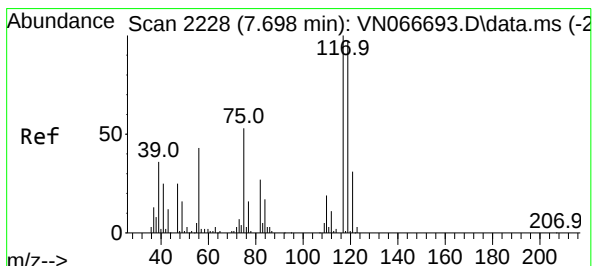
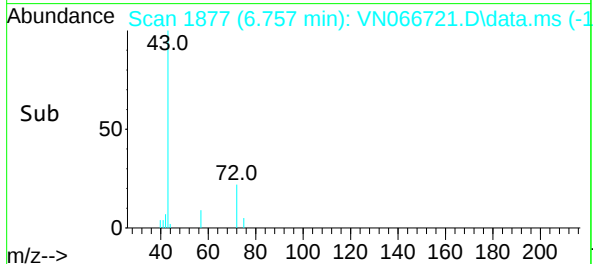
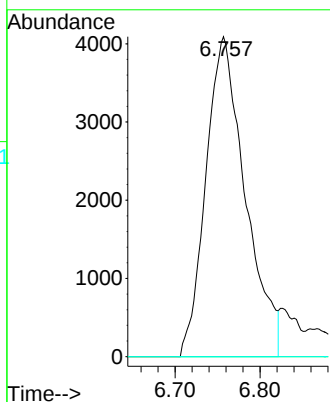
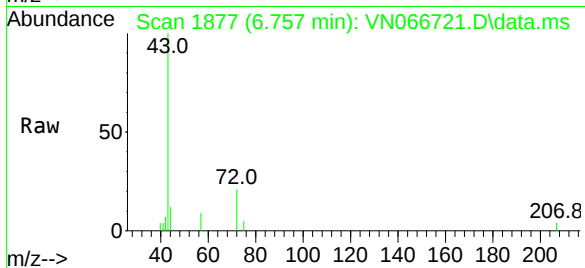
Delta R.T. -0.086 min

Lab File: VN066721.D

Acq: 22 Apr 2021 17:48

Tgt Ion:	43	Resp:	13200
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#

Instrument :
MSVOA_N
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.31 ug/l

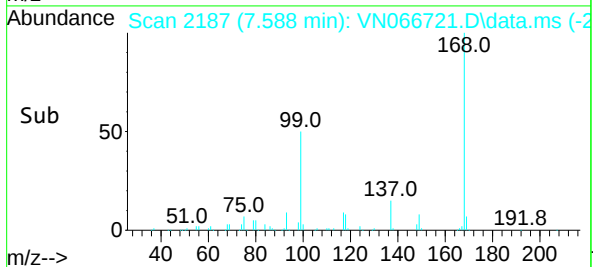
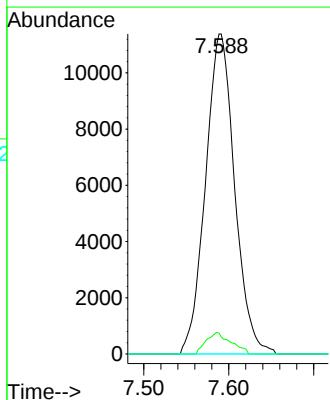
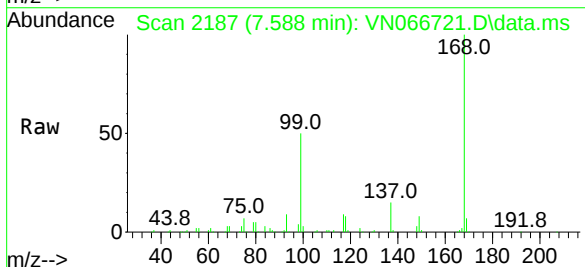
RT: 7.588 min Scan# 2187

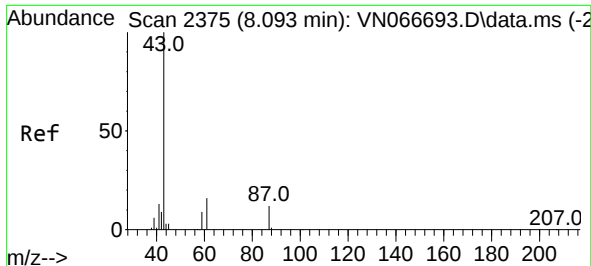
Delta R.T. -0.110 min

Lab File: VN066721.D

Acq: 22 Apr 2021 17:48

Tgt Ion:	117	Resp:	27162
Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.0	114.0#
121	0.0	24.5	36.7#

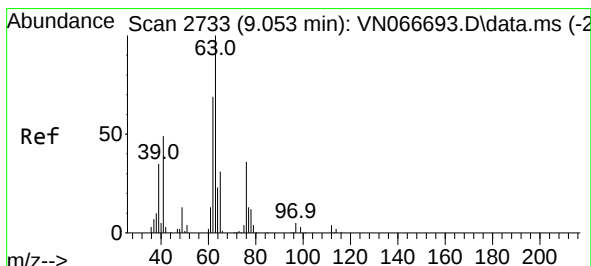
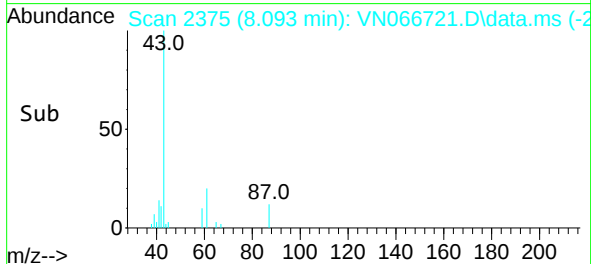
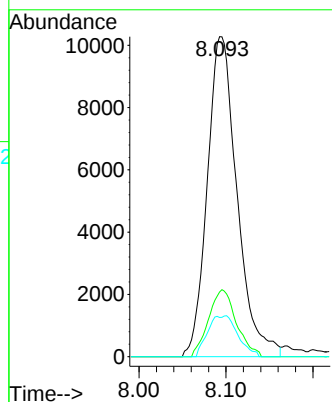
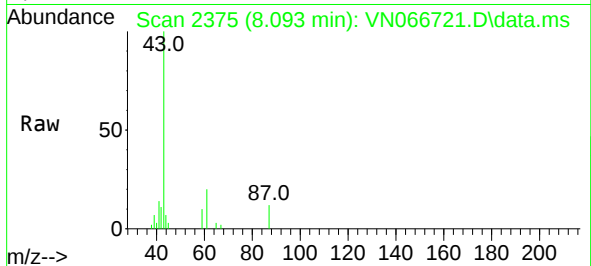




#43
Isopropyl Acetate
Concen: 3.22 ug/l
RT: 8.093 min Scan# 2375
Delta R.T. -0.000 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

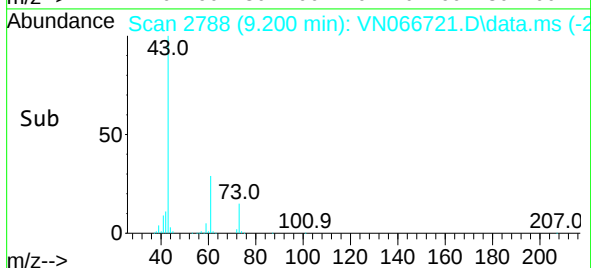
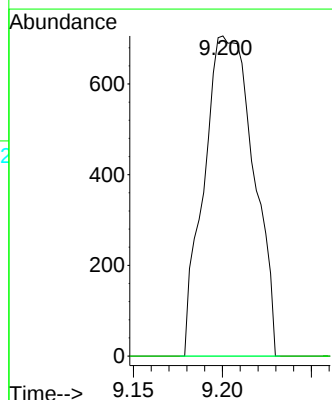
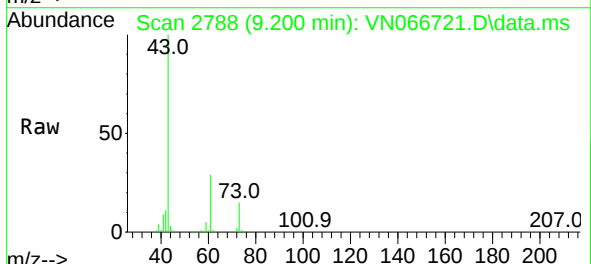
Instrument :
MSVOA_N
ClientSampled :

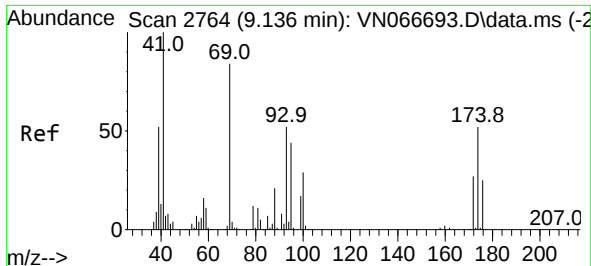
Tgt Ion:	43	Resp:	24469
Ion Ratio	Lower	Upper	
43	100		
61	19.6	22.5	33.7#
87	5.6	11.1	16.7#



#45
1,2-Dichloropropane
Concen: 0.34 ug/l
RT: 9.200 min Scan# 2788
Delta R.T. 0.147 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

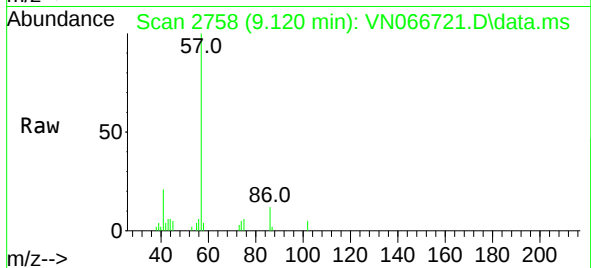
Tgt Ion:	63	Resp:	1363
Ion Ratio	Lower	Upper	
63	100		
65	0.0	24.9	37.3#



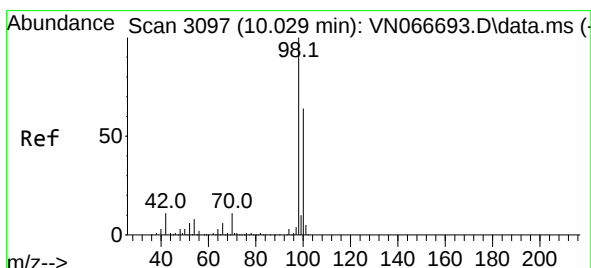
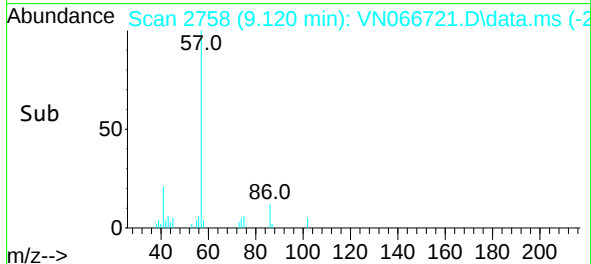
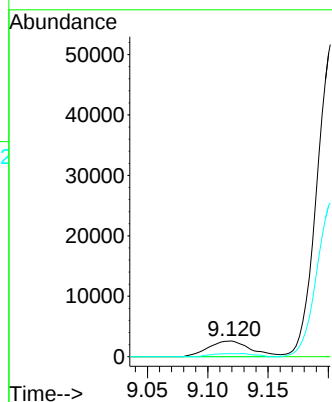


#48
Methyl methacrylate
Concen: 1.90 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

Instrument :
MSVOA_N
ClientSampled :

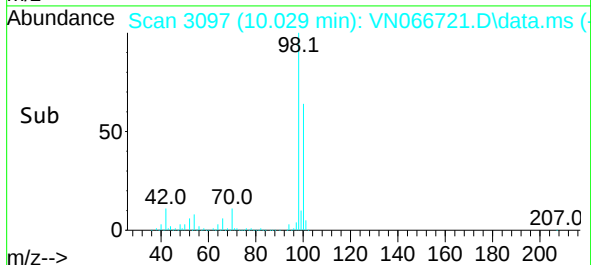
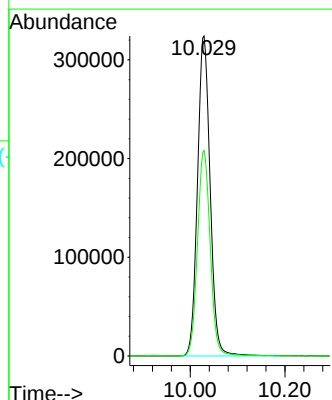
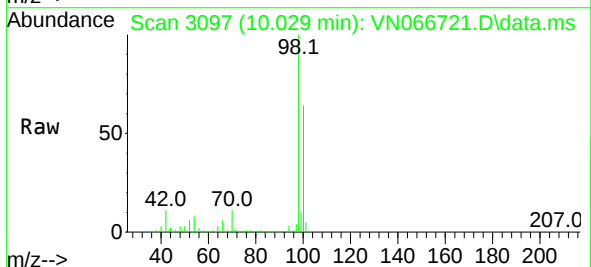


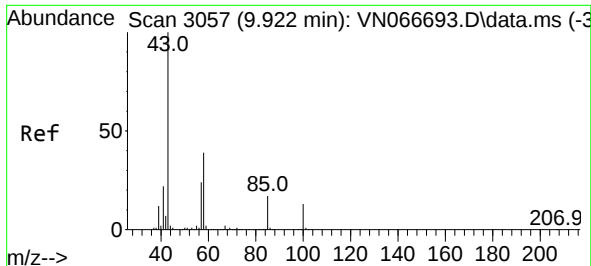
Tgt Ion: 41 Resp: 6337
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 50.47 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

Tgt Ion: 98 Resp: 599906
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7

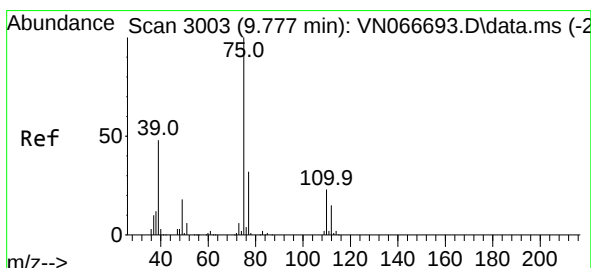
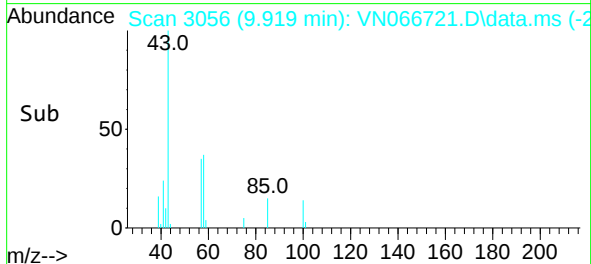
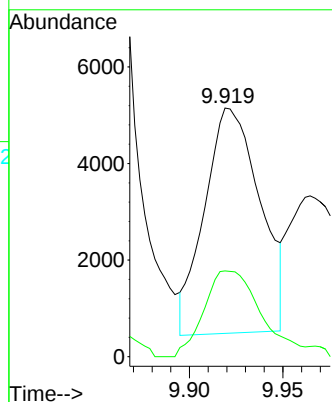
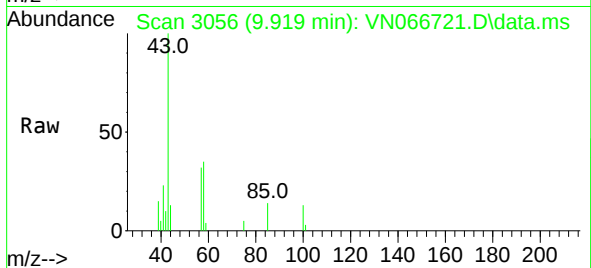




#51
4-Methyl-2-Pentanone
Concen: 2.27 ug/l
RT: 9.919 min Scan# 3056
Delta R.T. -0.003 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

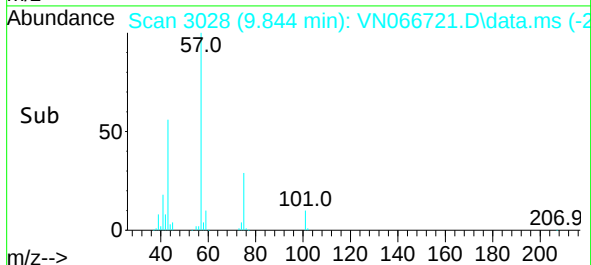
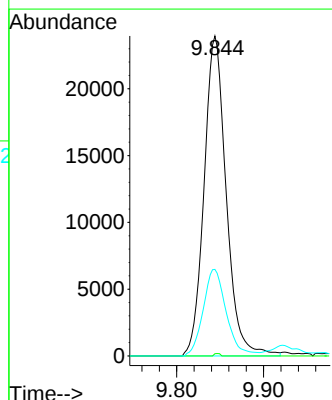
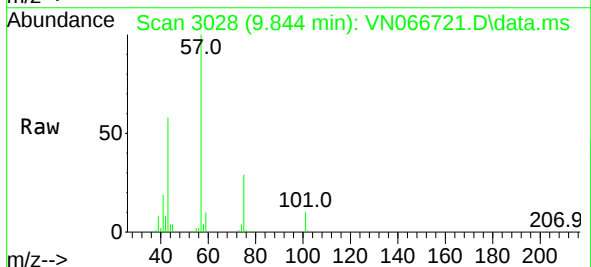
Instrument :
MSVOA_N
ClientSampleId :

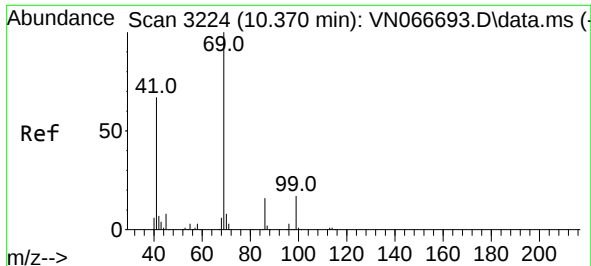
Tgt Ion: 43 Resp: 9651
Ion Ratio Lower Upper
43 100
58 38.9 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 7.25 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

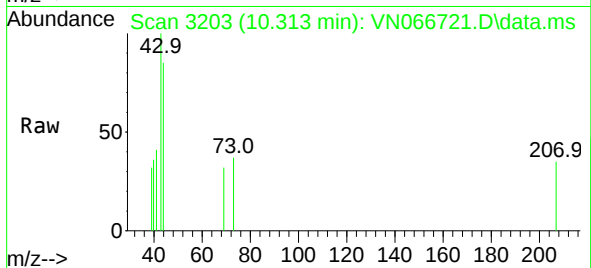
Tgt Ion: 75 Resp: 42343
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 27.1 36.2 54.4#



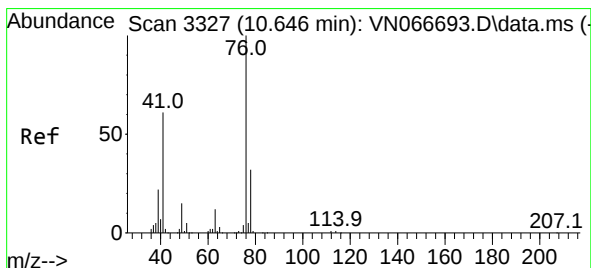
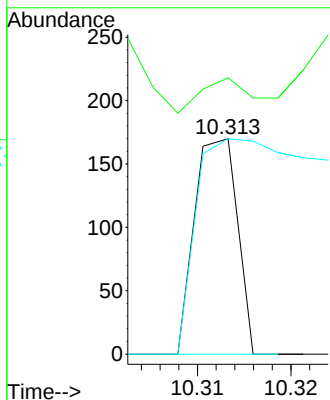
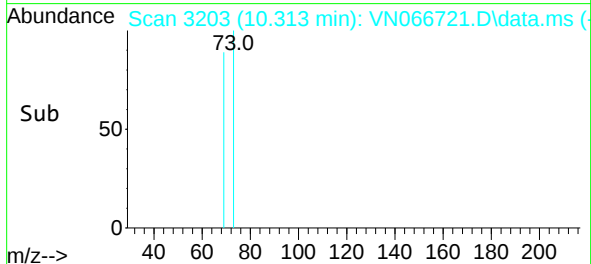


#56
Ethyl methacrylate
Concen: 3.16 ug/l
RT: 10.313 min Scan# 3203
Delta R.T. -0.057 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

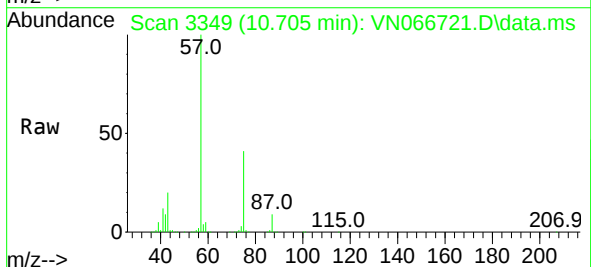
Instrument :
MSVOA_N
ClientSampled :



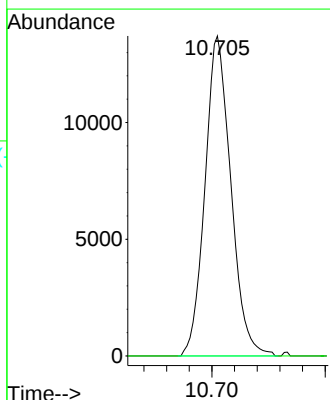
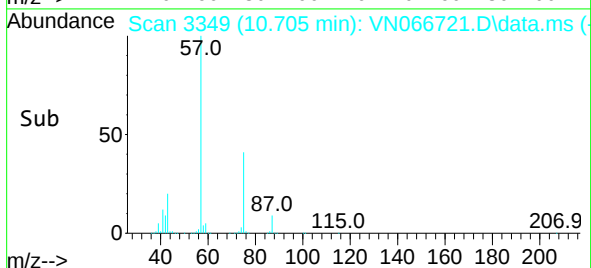
Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

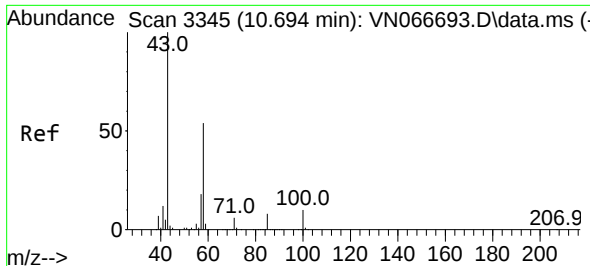


#57
1,3-Dichloropropane
Concen: 3.81 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48



Tgt Ion: 76 Resp: 21726
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

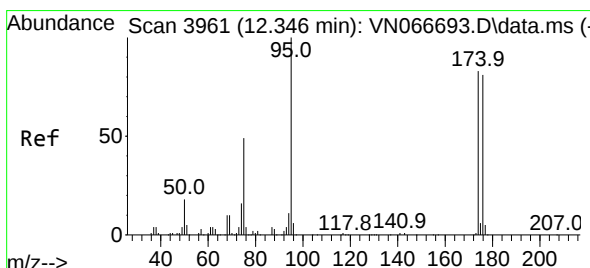
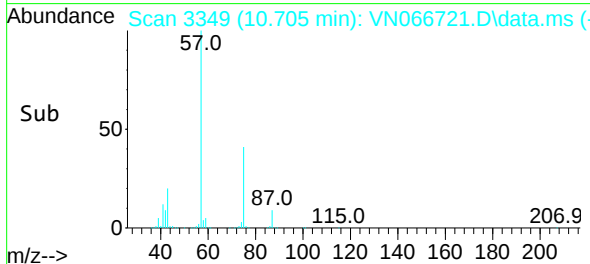
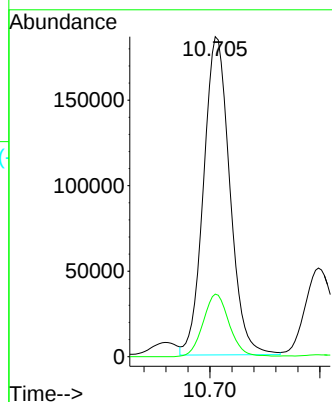
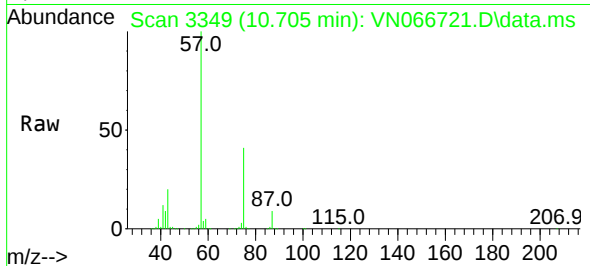




#59
2-Hexanone
Concen: 106.97 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.011 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

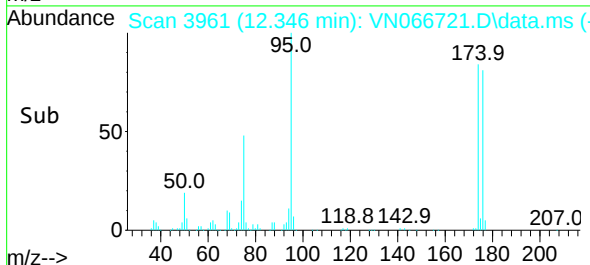
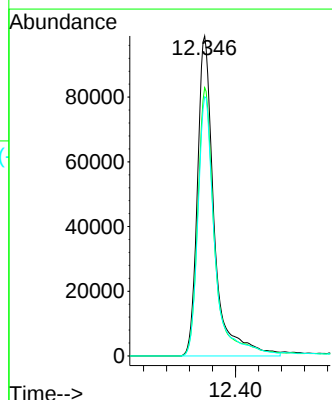
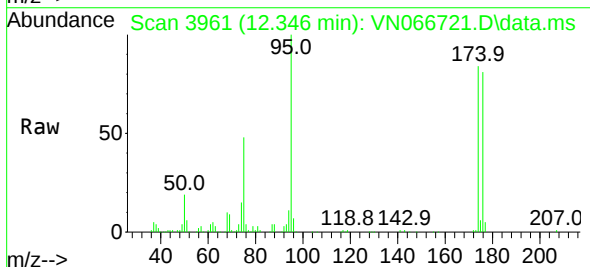
Instrument :
MSVOA_N
ClientSampleId :

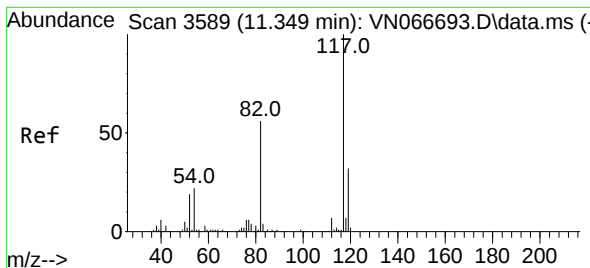
Tgt Ion: 43 Resp: 308373
Ion Ratio Lower Upper
43 100
58 19.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 49.15 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.000 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

Tgt Ion: 95 Resp: 200050
Ion Ratio Lower Upper
95 100
174 84.9 0.0 169.0
176 82.2 0.0 162.4

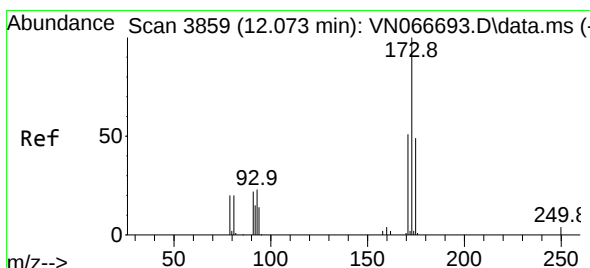
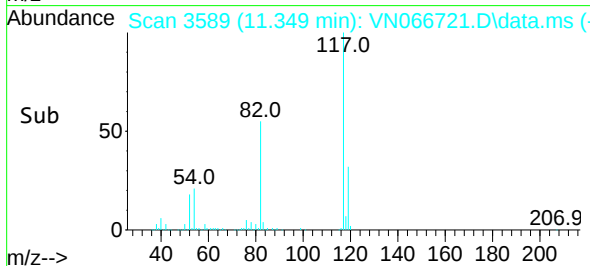
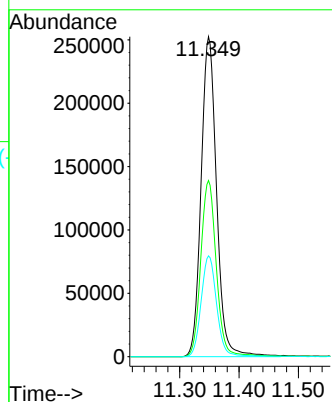
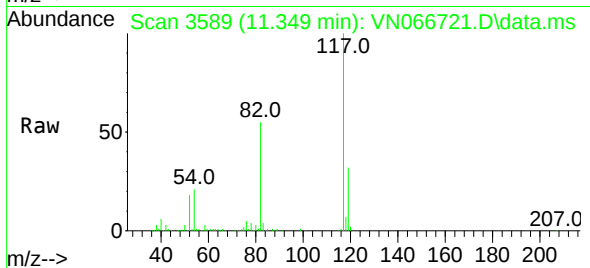




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

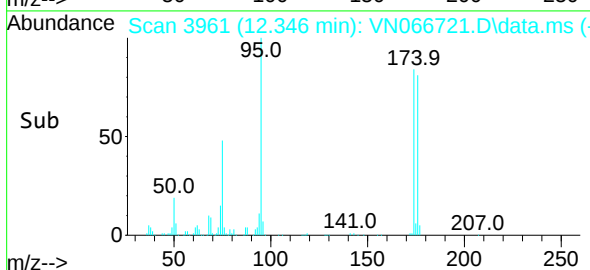
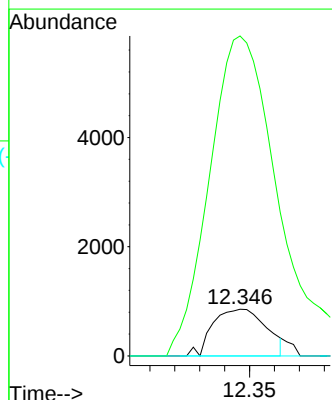
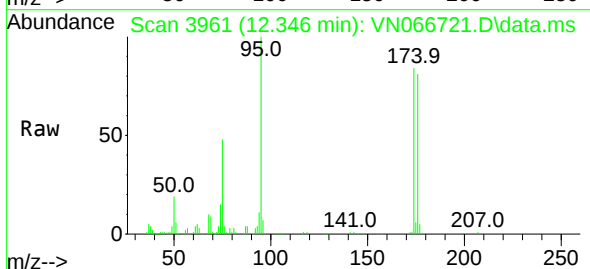
Instrument :
MSVOA_N
ClientSampleId :

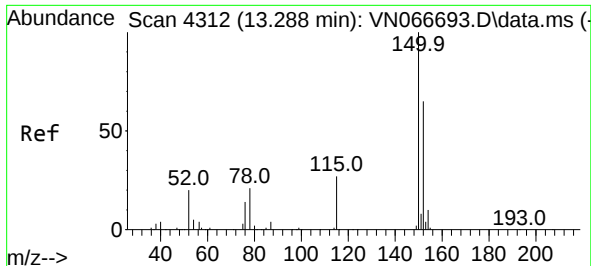
Tgt Ion:117 Resp: 456613
Ion Ratio Lower Upper
117 100
82 55.1 43.7 65.5
119 31.5 26.1 39.1



#71
Bromoform
Concen: 0.50 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

Tgt Ion:173 Resp: 1274
Ion Ratio Lower Upper
173 100
175 755.2 23.8 71.2#
254 0.0 0.0 0.0

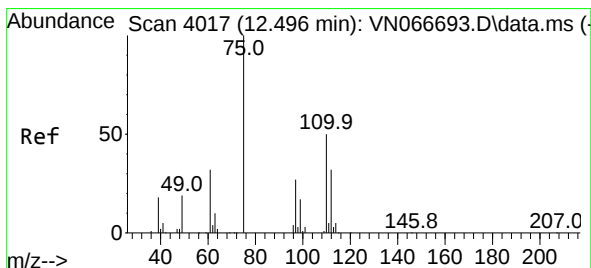
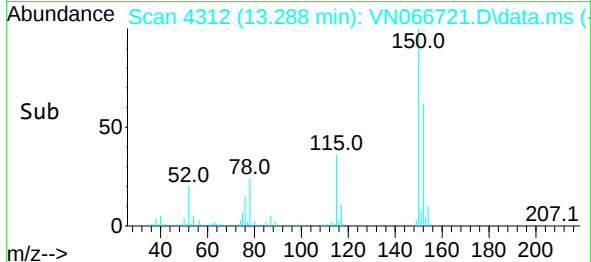
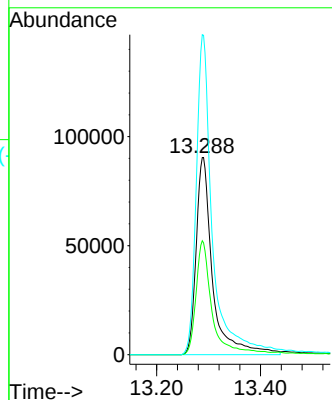
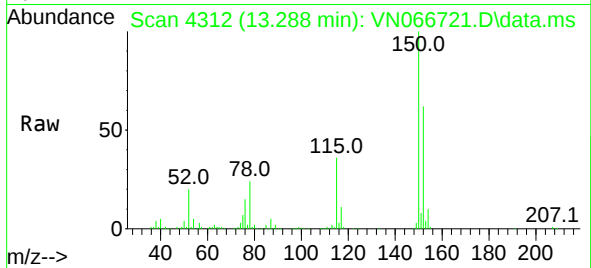




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.288 min Scan# 4312
 Delta R.T. -0.000 min
 Lab File: VN066721.D
 Acq: 22 Apr 2021 17:48

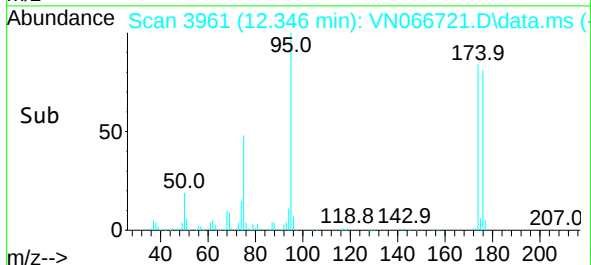
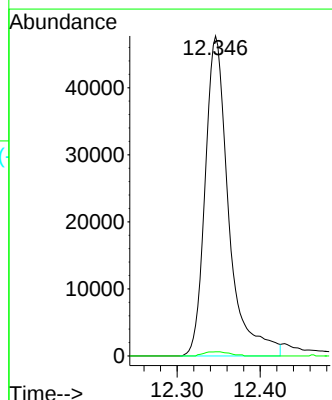
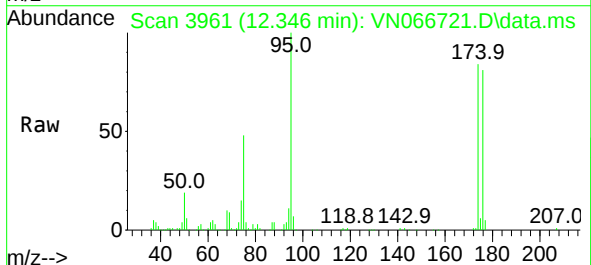
Instrument :
 MSVOA_N
 ClientSampleId :

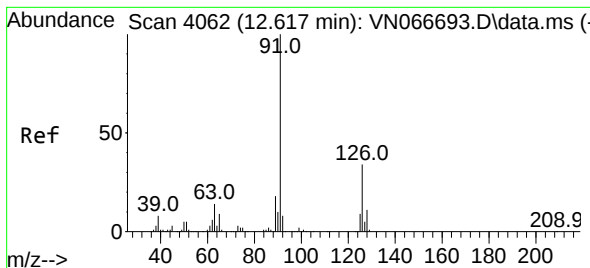
Tgt Ion:152 Resp: 199570
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.5 85.6
 150 157.0 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 21.98 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. -0.150 min
 Lab File: VN066721.D
 Acq: 22 Apr 2021 17:48

Tgt Ion: 75 Resp: 93847
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

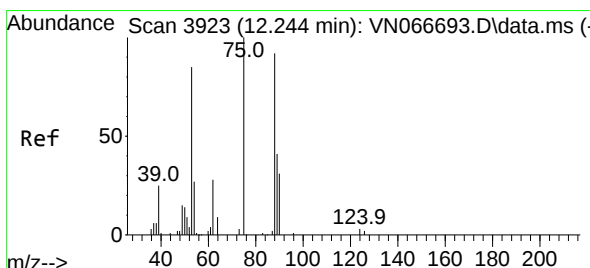
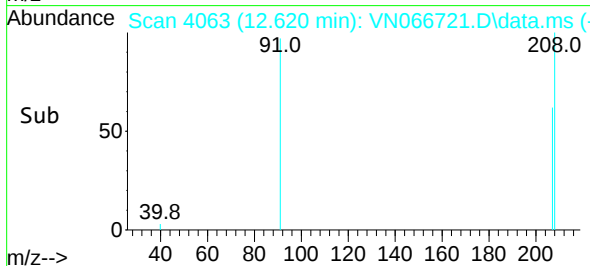
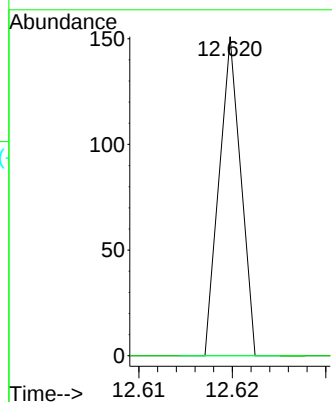
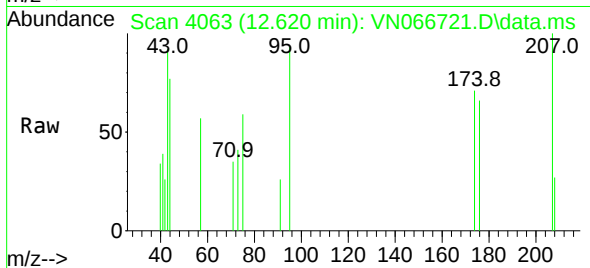




#79
2-Chlorotoluene
Concen: 0.94 ug/l
RT: 12.620 min Scan# 4063
Delta R.T. 0.003 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

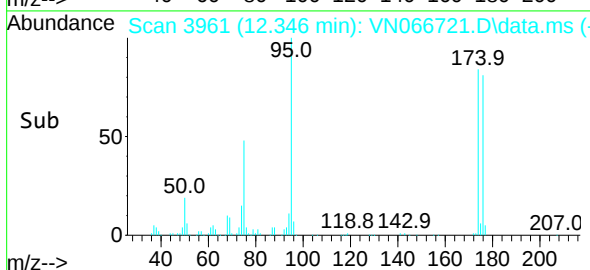
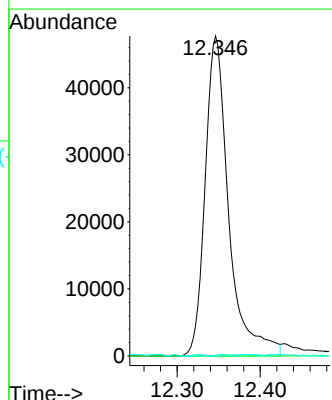
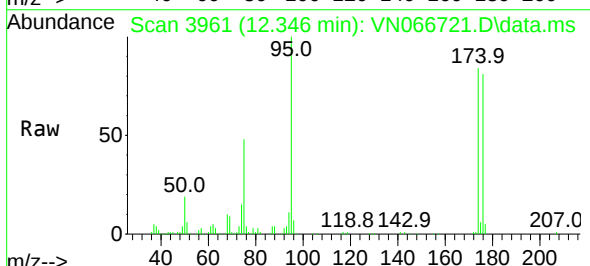
Instrument :
MSVOA_N
ClientSampled :

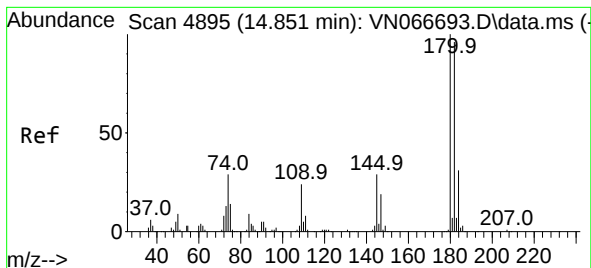
Tgt Ion: 91 Resp: 24
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.39 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

Tgt Ion: 75 Resp: 93847
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.3 35.8 53.8#

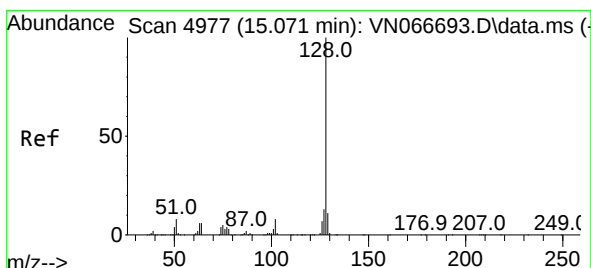
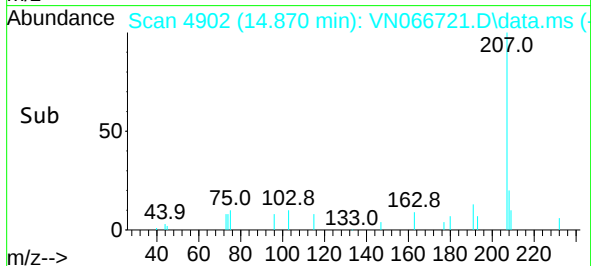
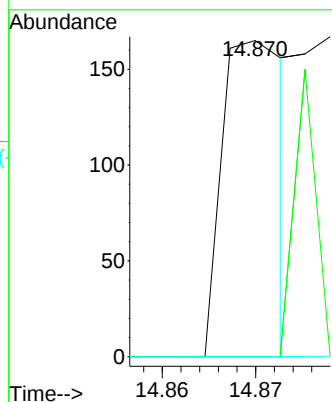
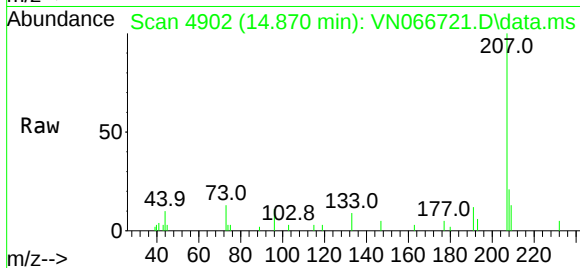




#93
1,2,4-Trichlorobenzene
Concen: 2.02 ug/l
RT: 14.870 min Scan# 4902
Delta R.T. 0.019 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

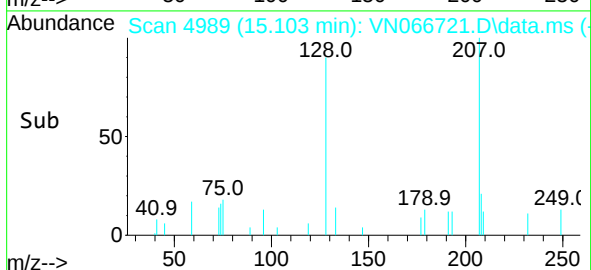
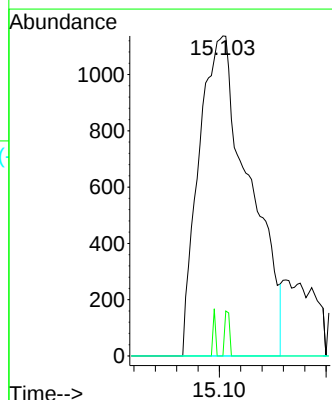
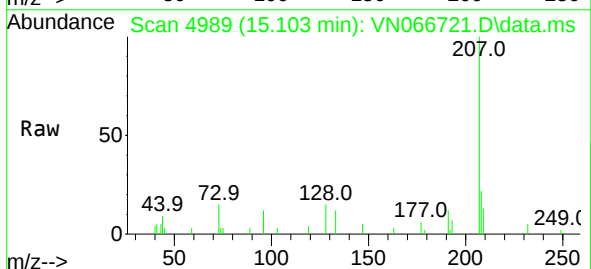
Instrument :
MSVOA_N
ClientSampled :

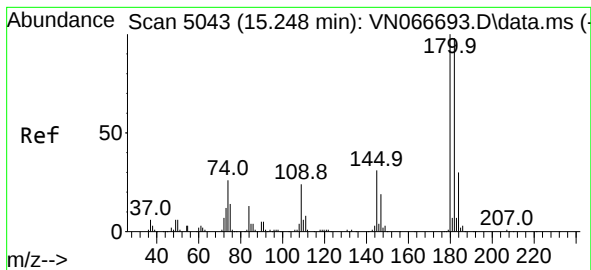
Tgt Ion:180 Resp: 78
Ion Ratio Lower Upper
180 100
182 30.8 47.3 142.0#
145 0.0 15.6 46.8#



#95
Naphthalene
Concen: 2.24 ug/l
RT: 15.103 min Scan# 4989
Delta R.T. 0.032 min
Lab File: VN066721.D
Acq: 22 Apr 2021 17:48

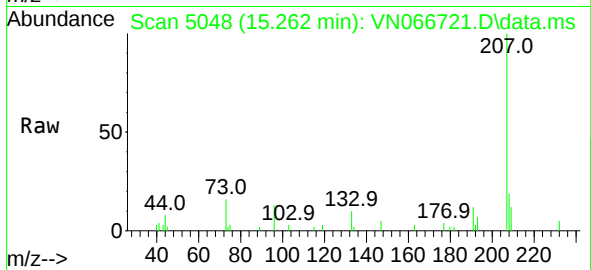
Tgt Ion:128 Resp: 3722
Ion Ratio Lower Upper
128 100
127 1.3 10.2 15.2#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.43 ug/l
 RT: 15.262 min Scan# 5048
 Delta R.T. 0.014 min
 Lab File: VN066721.D
 Acq: 22 Apr 2021 17:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 255
 Ion Ratio Lower Upper
 180 100
 182 79.2 47.4 142.3
 145 0.0 16.5 49.5#

