

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066709.D
 Acq On : 22 Apr 2021 12:47
 Operator : JC/MD
 Sample : VN0422WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 23 06:33:45 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)

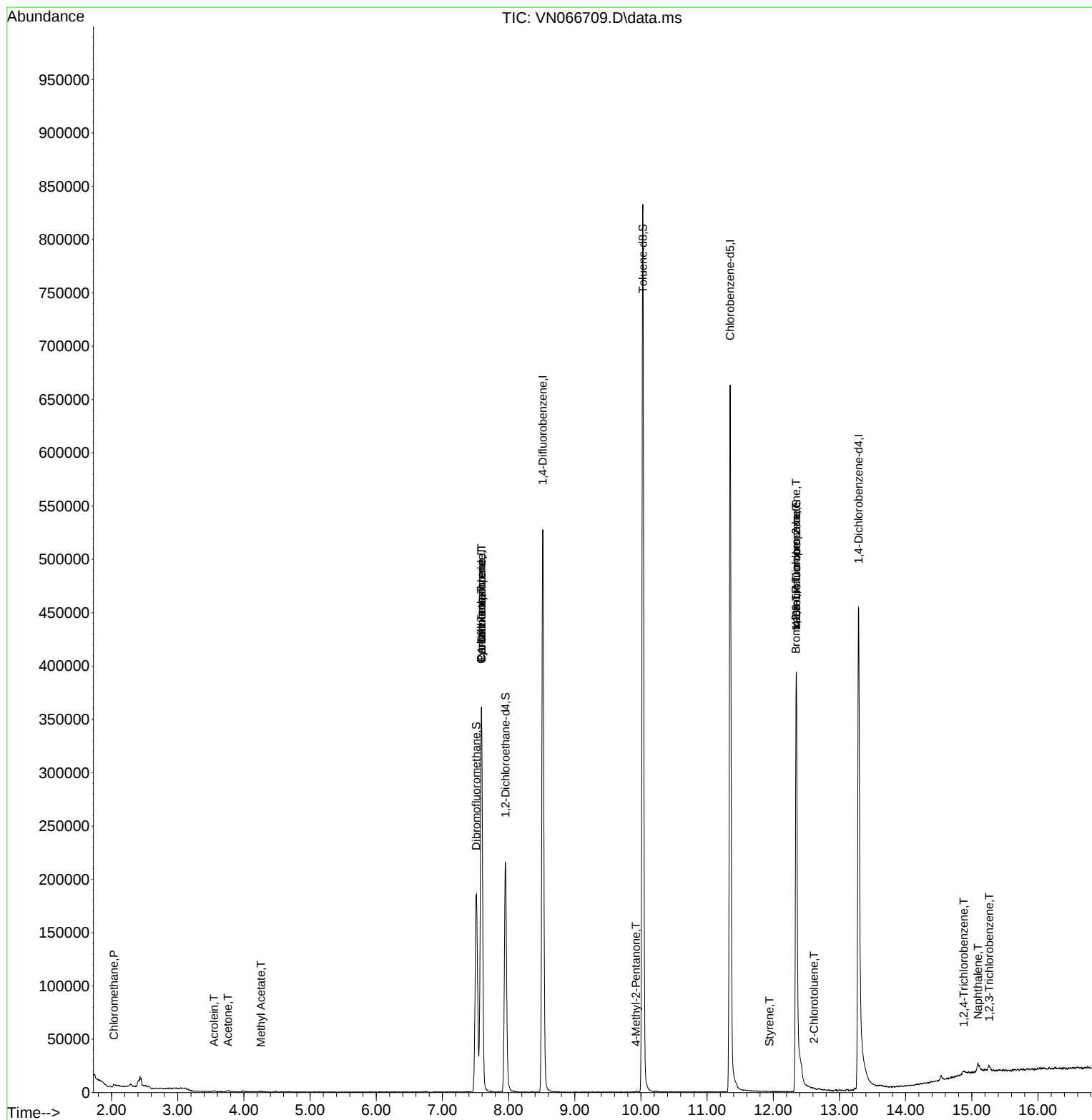
Internal Standards						
1) Pentafluorobenzene	7.591	168	316243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.516	114	488888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	429117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	183423	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	184551	47.77	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.54%		
35) Dibromofluoromethane	7.513	113	152344	49.76	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.52%		
50) Toluene-d8	10.029	98	589073	49.34	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.68%		
62) 4-Bromofluorobenzene	12.349	95	182888	44.73	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.46%		
Target Compounds						
						Qvalue
3) Chloromethane	2.037	50	1365	0.27	ug/l	100
13) Acrolein	3.549	56	553	1.02	ug/l #	26
16) Acetone	3.758	43	1947	1.35	ug/l #	86
18) Methyl Acetate	4.257	43	1315	0.33	ug/l #	51
31) Cyclohexane	7.588	56	5740	0.91	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	22612	4.97	ug/l #	47
38) Carbon Tetrachloride	7.591	117	27361	6.32	ug/l #	17
51) 4-Methyl-2-Pentanone	9.927	43	998	0.23	ug/l #	35
70) Styrene	11.941	104	87	2.99	ug/l #	26
71) Bromoform	12.343	173	1015	0.42	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	89008	22.68	ug/l #	100
79) 2-Chlorotoluene	12.617	91	332	0.97	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	89008	67.30	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.878	180	1740	2.48	ug/l	85
95) Naphthalene	15.095	128	12202	3.24	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.264	180	3083	2.28	ug/l	84

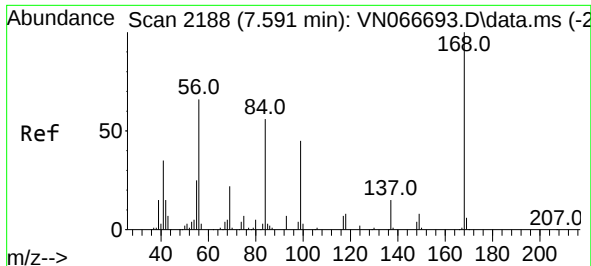
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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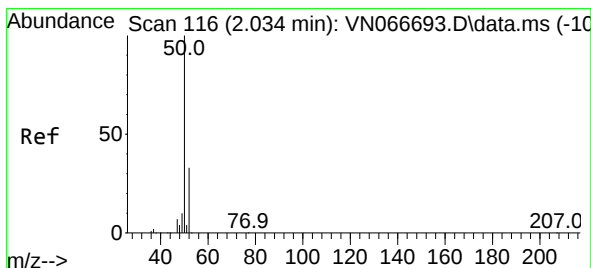
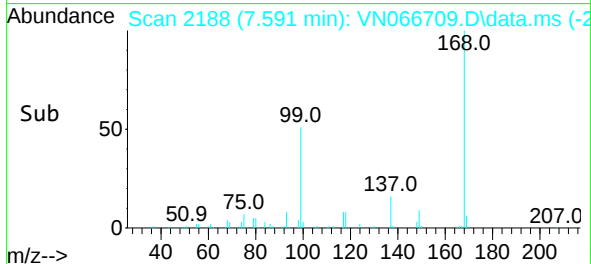
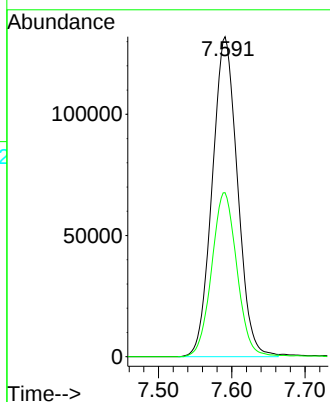
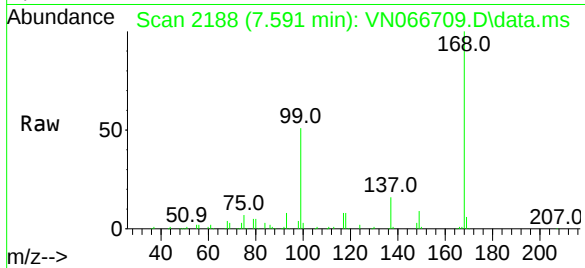




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.000 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

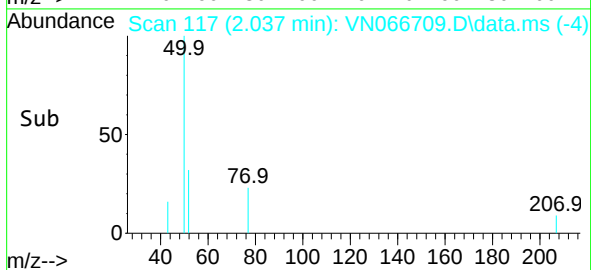
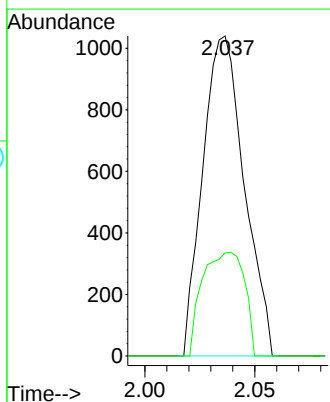
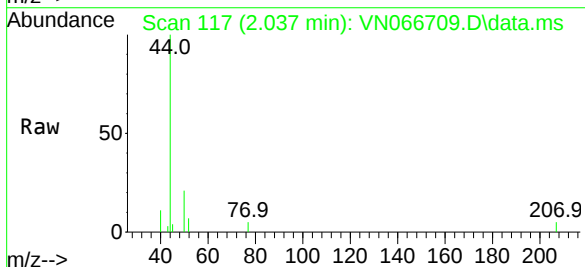
Instrument :
MSVOA_N
ClientSampled :

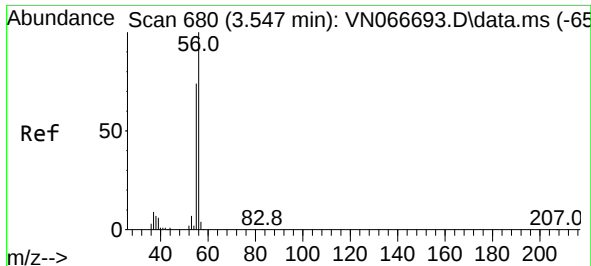
Tgt Ion:168 Resp: 316243
Ion Ratio Lower Upper
168 100
99 51.2 42.6 63.8



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

Tgt Ion: 50 Resp: 1365
Ion Ratio Lower Upper
50 100
52 32.2 25.8 38.8

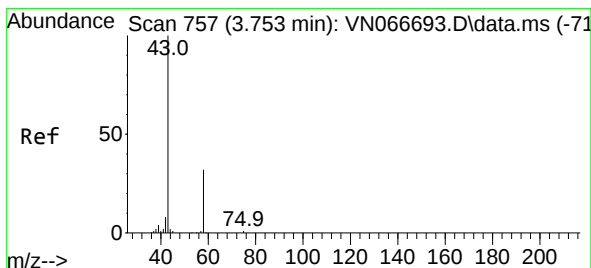
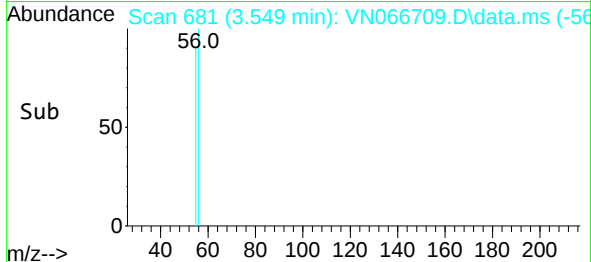
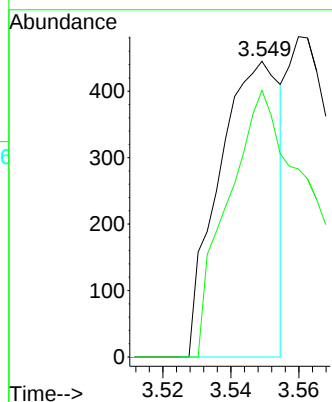
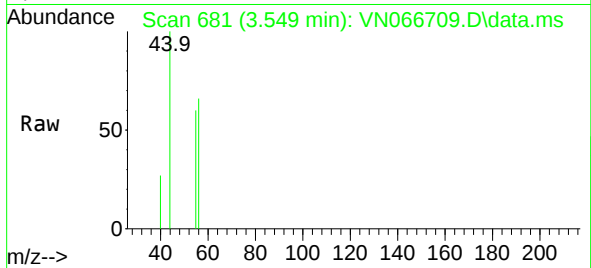




#13
Acrolein
Concen: 1.02 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.002 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

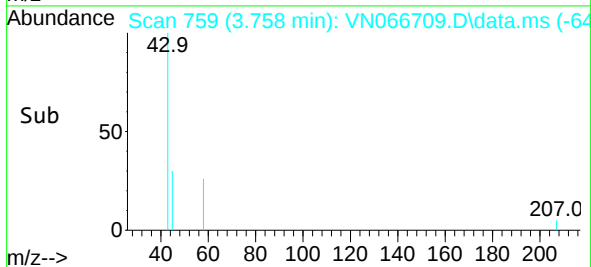
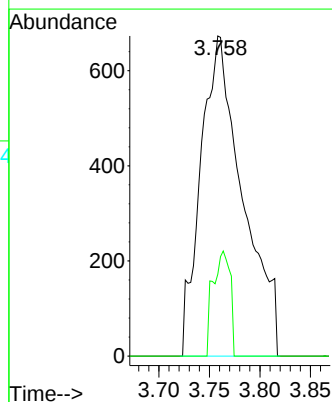
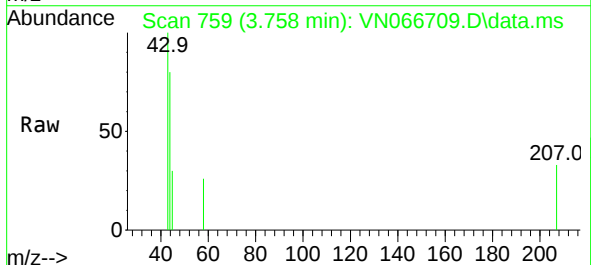
Instrument :
MSVOA_N
ClientSampled :

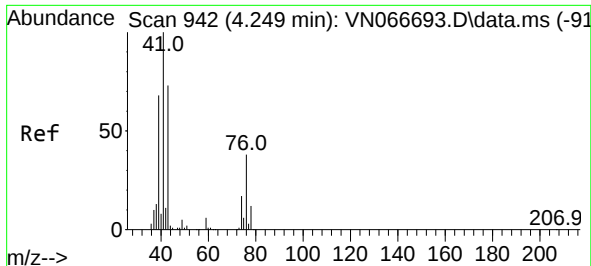
Tgt Ion: 56 Resp: 553
Ion Ratio Lower Upper
56 100
55 131.1 56.0 84.0#



#16
Acetone
Concen: 1.35 ug/l
RT: 3.758 min Scan# 759
Delta R.T. 0.005 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

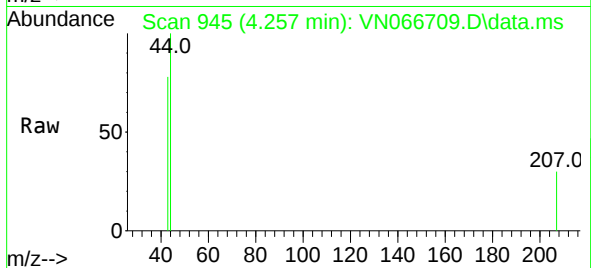
Tgt Ion: 43 Resp: 1947
Ion Ratio Lower Upper
43 100
58 25.6 27.0 40.6#



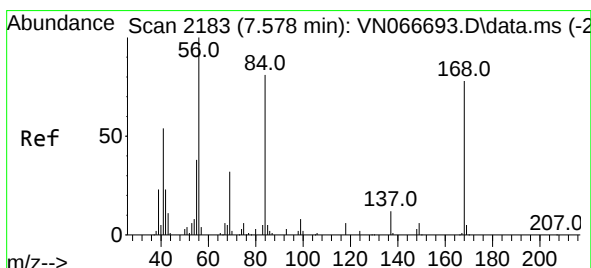
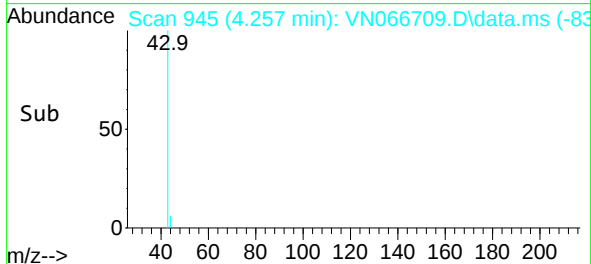
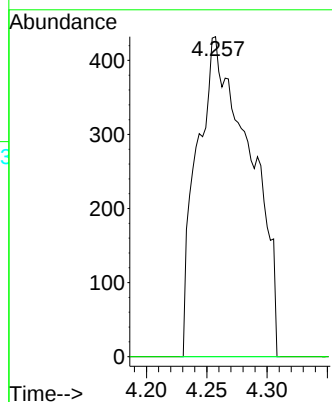


#18
Methyl Acetate
Concen: 0.33 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.008 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

Instrument :
MSVOA_N
ClientSampled :

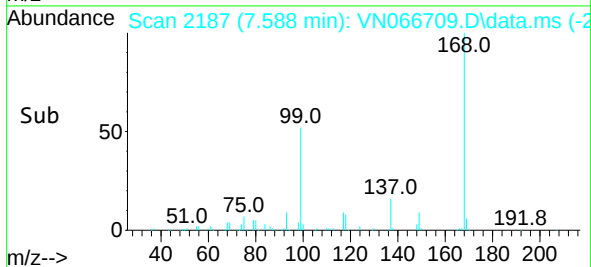
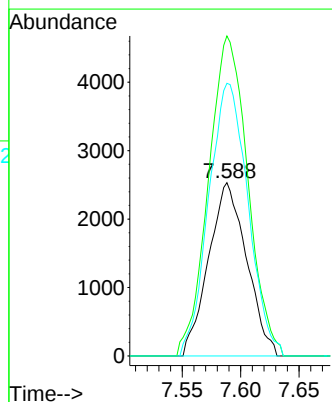
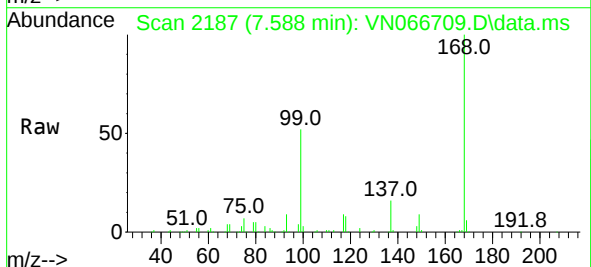


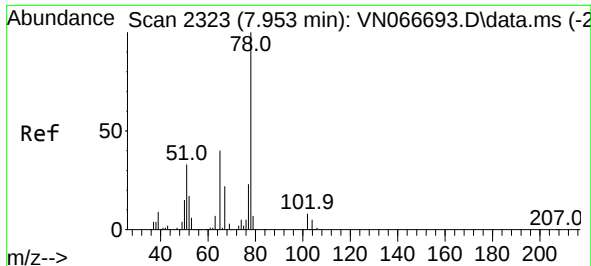
Tgt Ion: 43 Resp: 1315
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#31
Cyclohexane
Concen: 0.91 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. 0.010 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

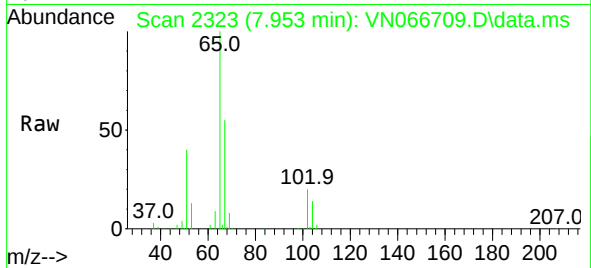
Tgt Ion: 56 Resp: 5740
Ion Ratio Lower Upper
56 100
69 178.4 26.6 39.8#
84 157.2 70.4 105.6#



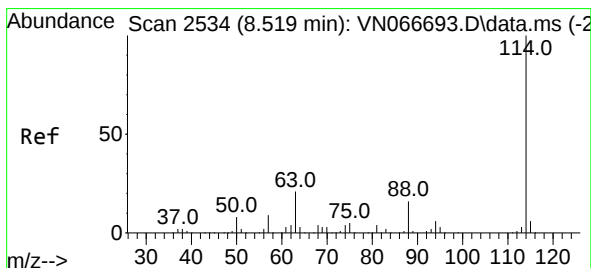
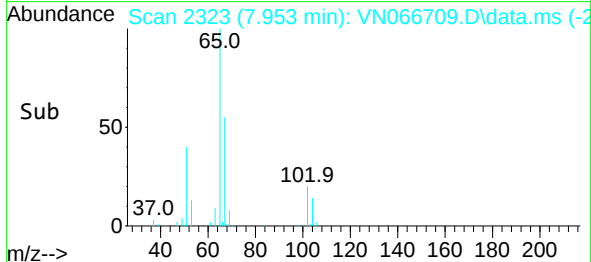
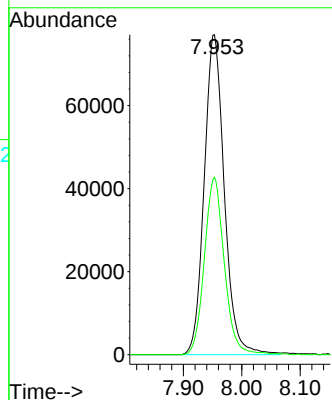


#33
 1,2-Dichloroethane-d4
 Concen: 47.77 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. -0.000 min
 Lab File: VN066709.D
 Acq: 22 Apr 2021 12:47

Instrument :
 MSVOA_N
 ClientSampled :

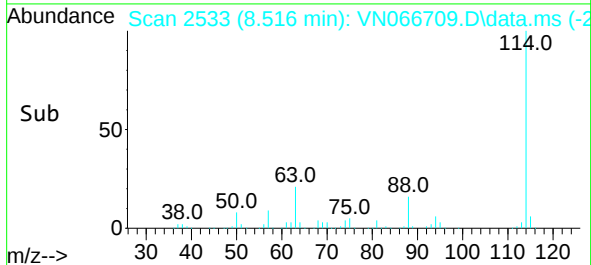
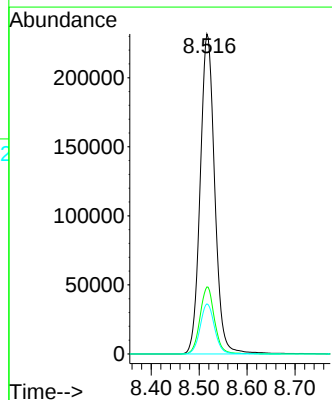
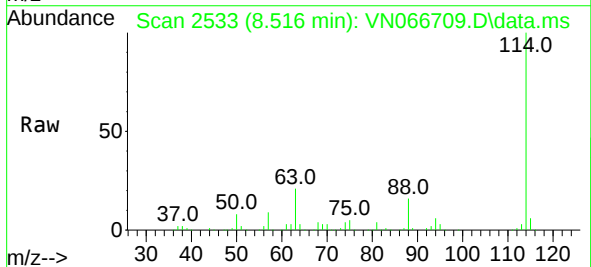


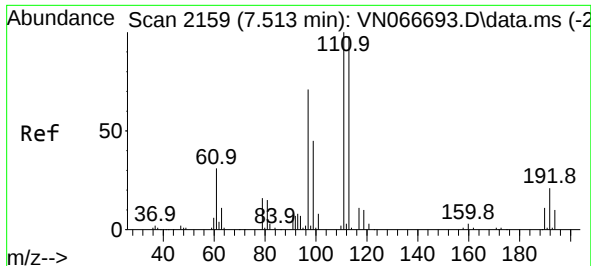
Tgt Ion: 65 Resp: 184551
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.516 min Scan# 2533
 Delta R.T. -0.003 min
 Lab File: VN066709.D
 Acq: 22 Apr 2021 12:47

Tgt Ion: 114 Resp: 488888
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 38.6
 88 15.7 0.0 30.6

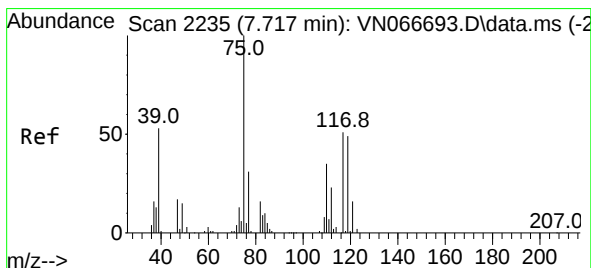
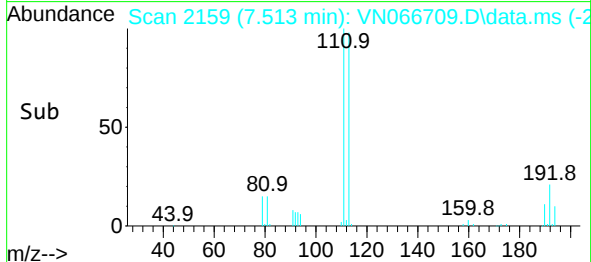
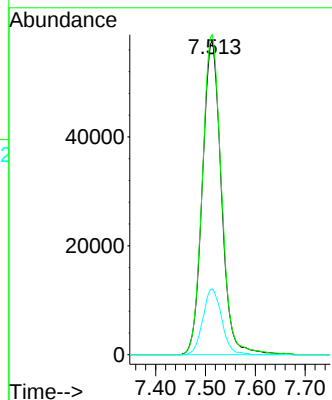
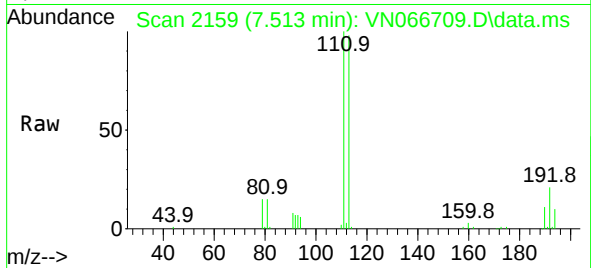




#35
Dibromofluoromethane
Concen: 49.76 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

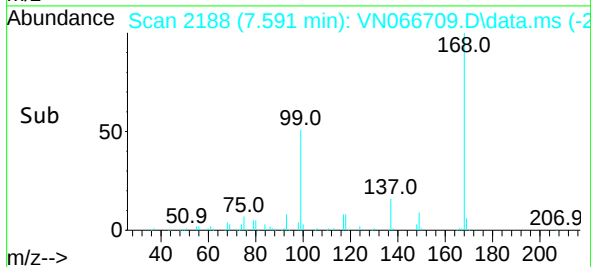
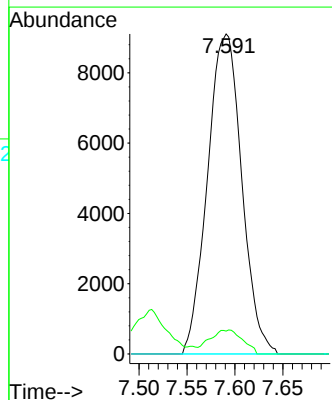
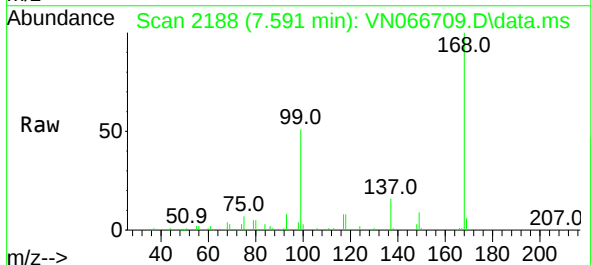
Instrument :
MSVOA_N
ClientSampled :

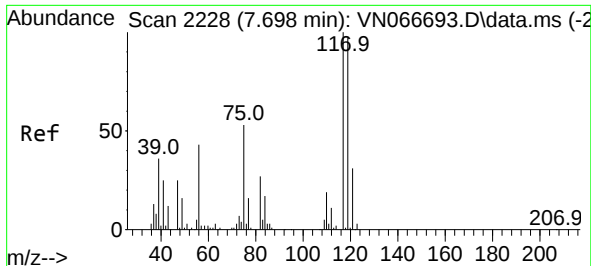
Tgt Ion:113 Resp: 152344
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.2
192 20.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.97 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

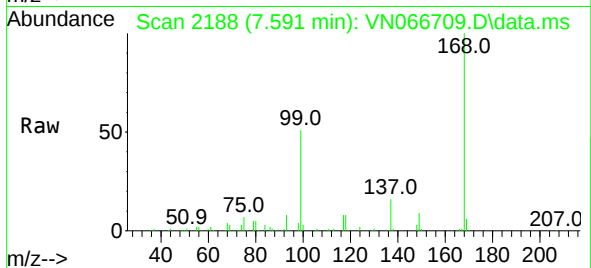
Tgt Ion: 75 Resp: 22612
Ion Ratio Lower Upper
75 100
110 7.2 18.2 54.6#
77 0.0 24.9 37.3#



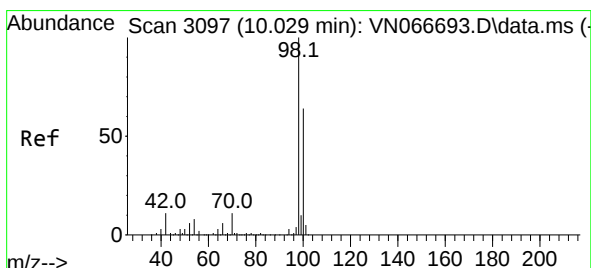
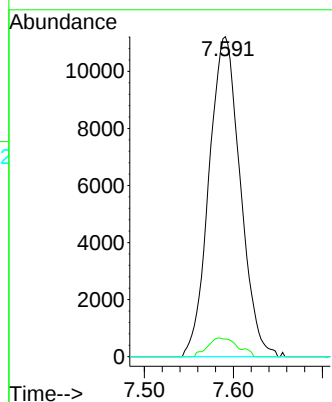
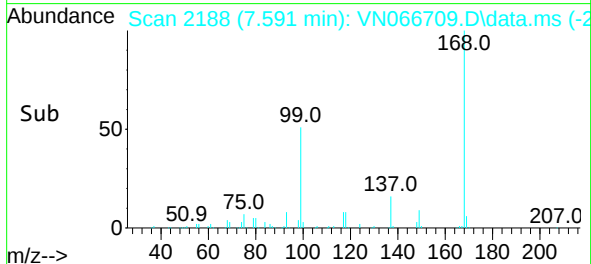


#38
Carbon Tetrachloride
Concen: 6.32 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

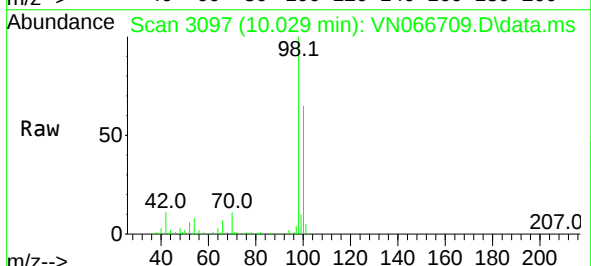
Instrument :
MSVOA_N
ClientSampled :



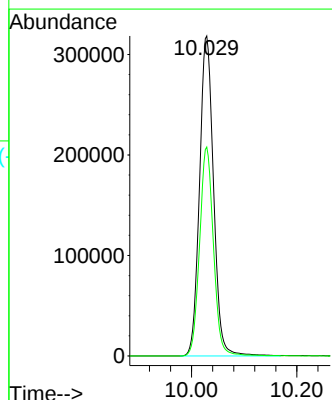
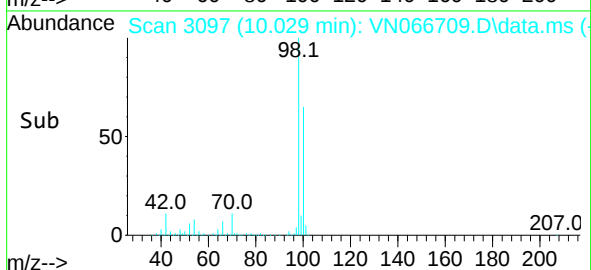
Tgt Ion: 117 Resp: 27361
Ion Ratio Lower Upper
117 100
119 5.5 76.0 114.0#
121 0.0 24.5 36.7#

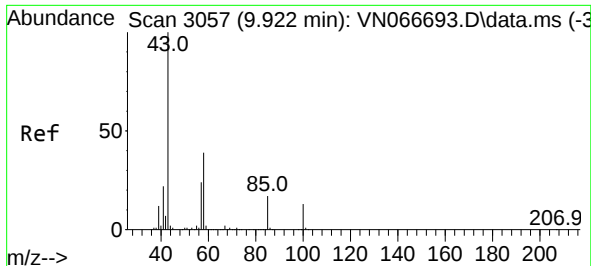


#50
Toluene-d8
Concen: 49.34 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47



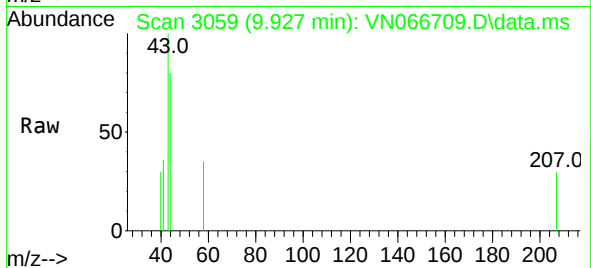
Tgt Ion: 98 Resp: 589073
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



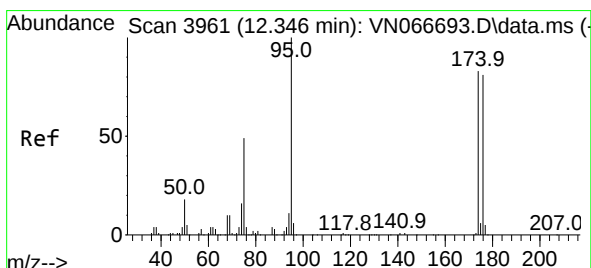
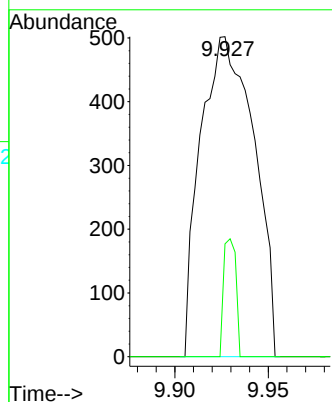
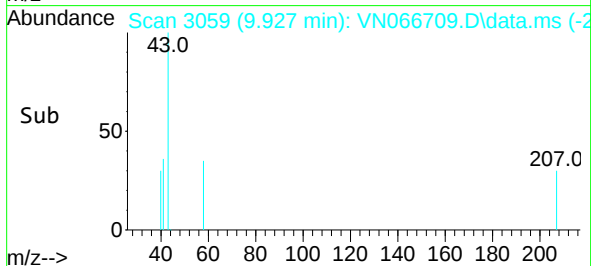


#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 9.927 min Scan# 3059
Delta R.T. 0.005 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

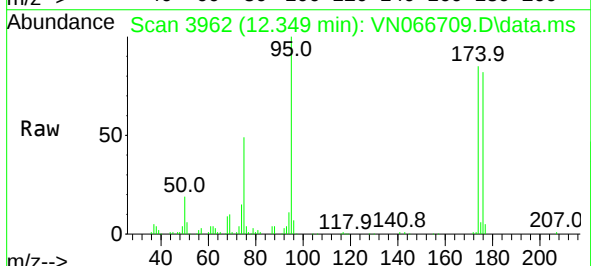
Instrument :
MSVOA_N
ClientSampleId :



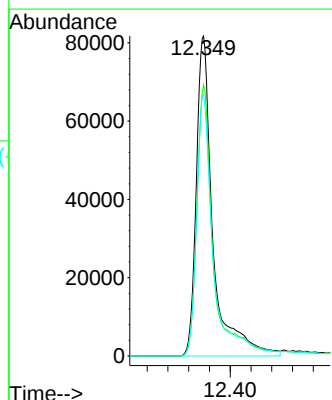
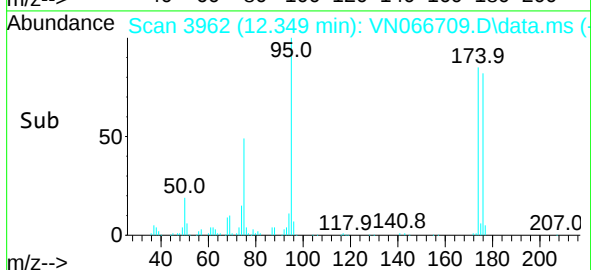
Tgt Ion: 43 Resp: 998
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#

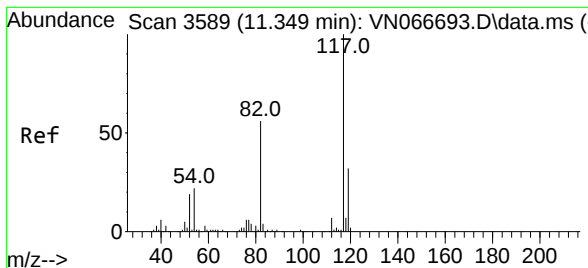


#62
4-Bromofluorobenzene
Concen: 44.73 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.003 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47



Tgt Ion: 95 Resp: 182888
Ion Ratio Lower Upper
95 100
174 83.6 0.0 169.0
176 81.0 0.0 162.4

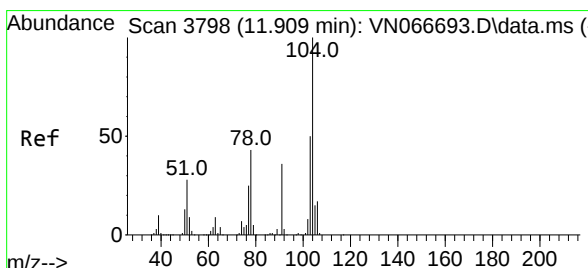
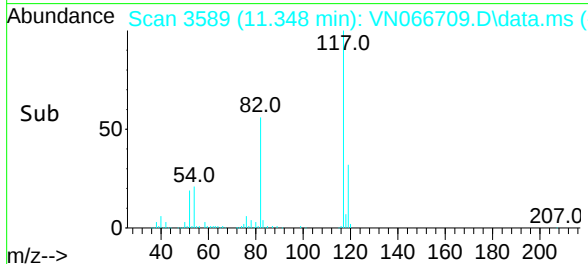
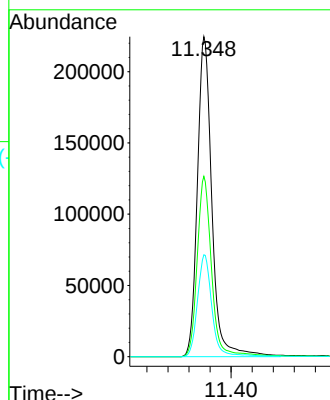
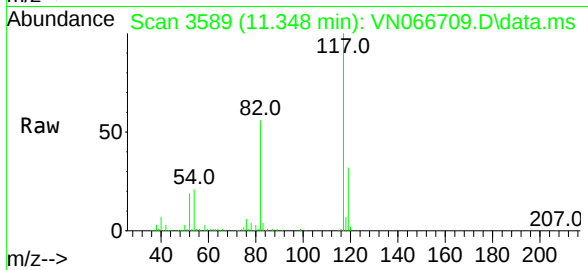




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

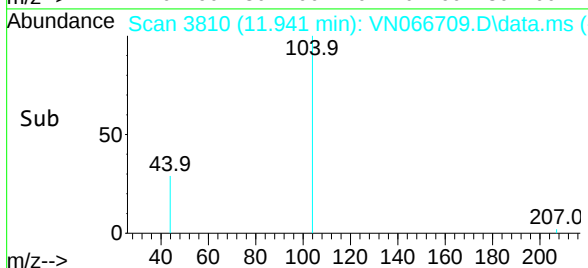
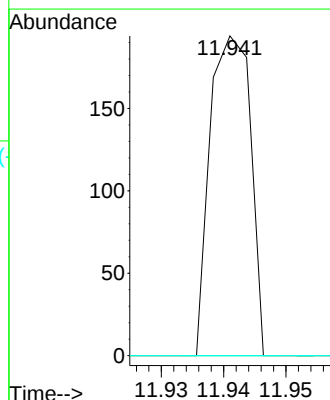
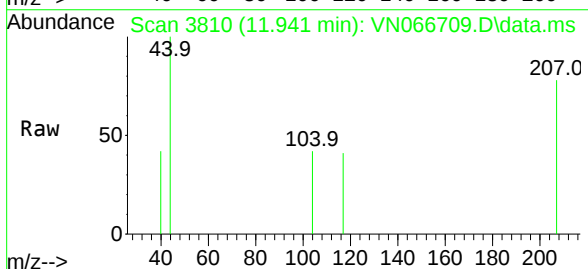
Instrument :
MSVOA_N
ClientSampled :

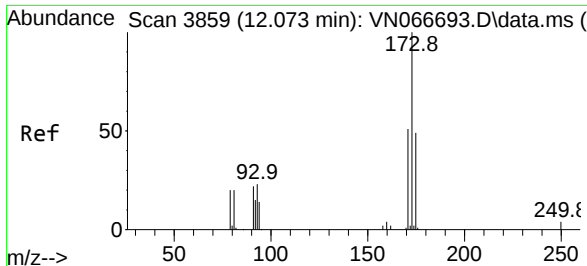
Tgt Ion:117 Resp: 429117
Ion Ratio Lower Upper
117 100
82 56.4 43.7 65.5
119 31.9 26.1 39.1



#70
Styrene
Concen: 2.99 ug/l
RT: 11.941 min Scan# 3810
Delta R.T. 0.032 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

Tgt Ion:104 Resp: 87
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#

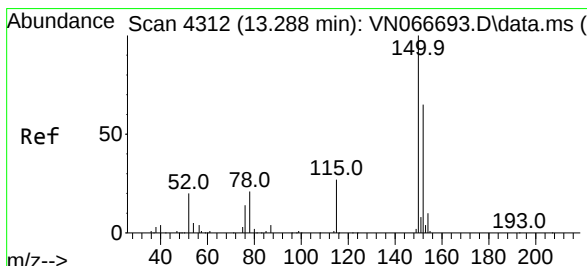
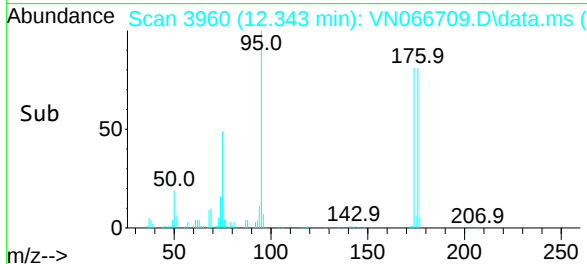
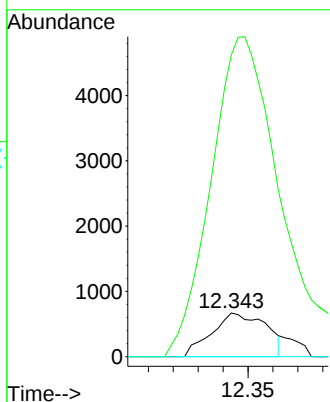
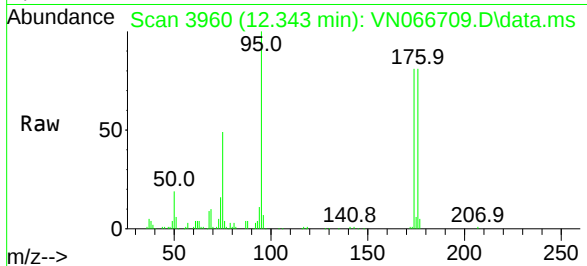




#71
Bromoform
Concen: 0.42 ug/l
RT: 12.343 min Scan# 3960
Delta R.T. 0.270 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

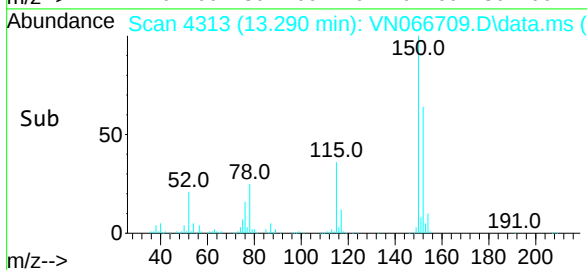
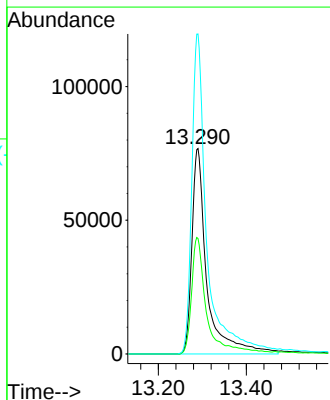
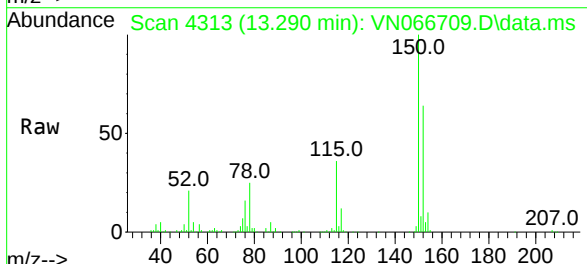
Instrument :
MSVOA_N
ClientSampleId :

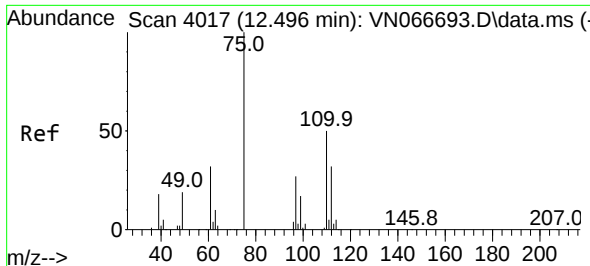
Tgt Ion:173 Resp: 1015
Ion Ratio Lower Upper
173 100
175 775.9 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

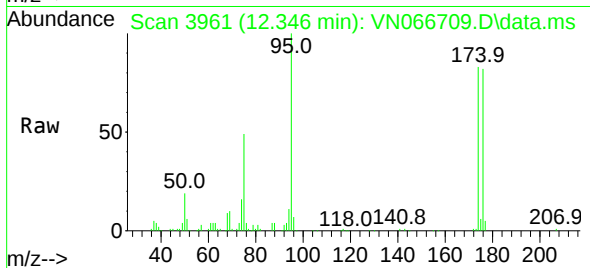
Tgt Ion:152 Resp: 183423
Ion Ratio Lower Upper
152 100
115 51.0 28.5 85.6
150 156.1 0.0 347.6



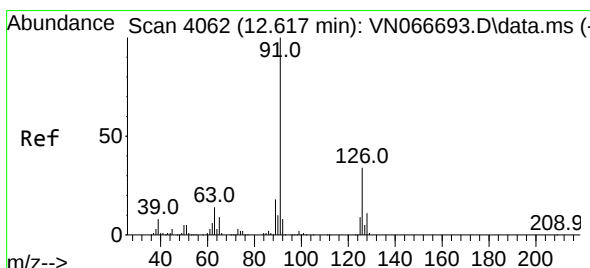
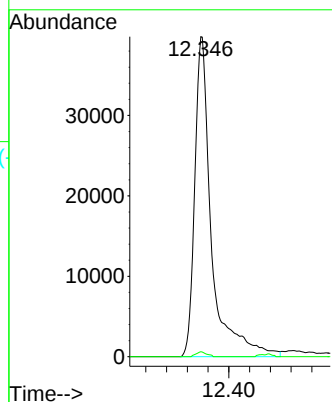
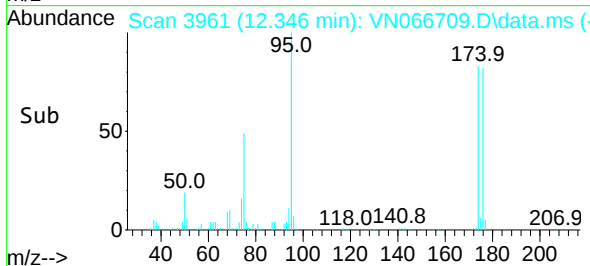


#76
1,2,3-Trichloropropane
Concen: 22.68 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

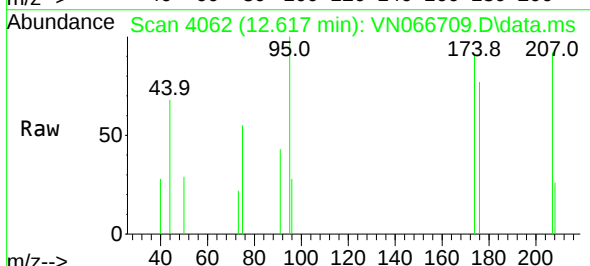
Instrument :
MSVOA_N
ClientSampled :



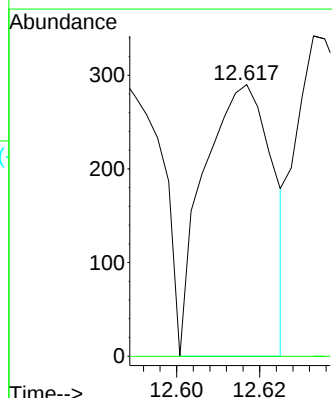
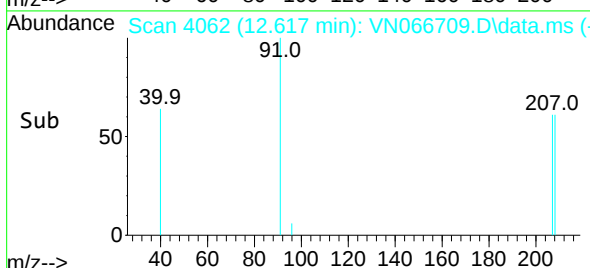
Tgt Ion: 75 Resp: 89008
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

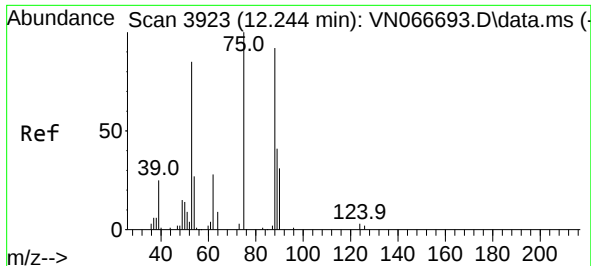


#79
2-Chlorotoluene
Concen: 0.97 ug/l
RT: 12.617 min Scan# 4062
Delta R.T. -0.000 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47



Tgt Ion: 91 Resp: 332
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

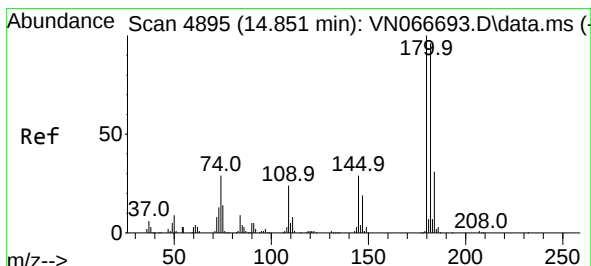
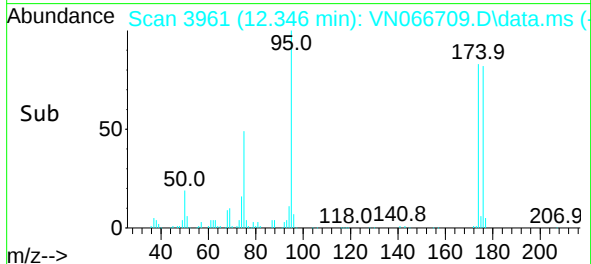
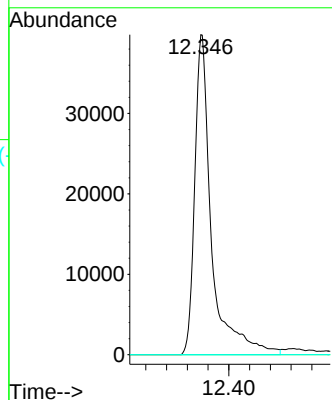
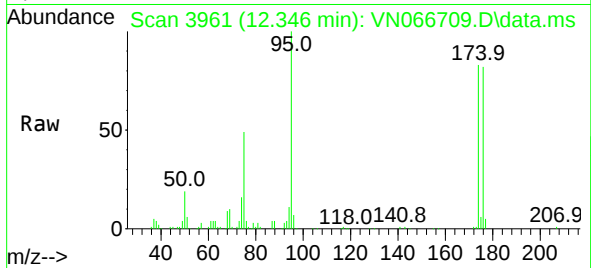




#81
trans-1,4-Dichloro-2-butene
Concen: 67.30 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

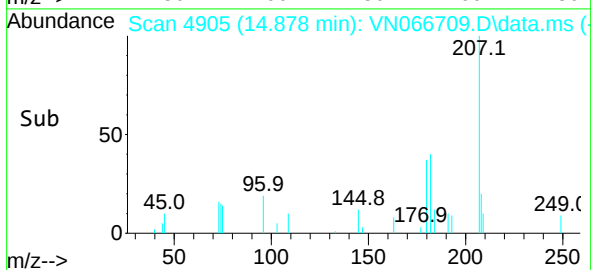
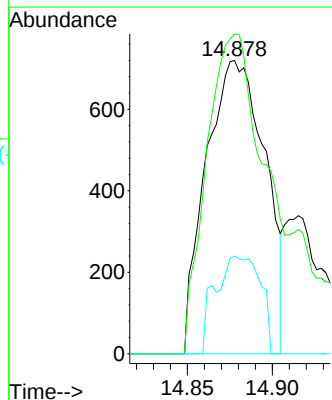
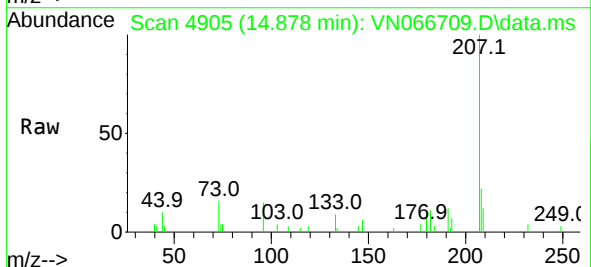
Instrument :
MSVOA_N
ClientSampled :

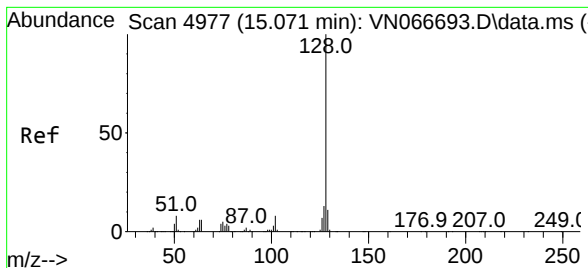
Tgt Ion: 75 Resp: 89008
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.48 ug/l
RT: 14.878 min Scan# 4905
Delta R.T. 0.027 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

Tgt Ion: 180 Resp: 1740
Ion Ratio Lower Upper
180 100
182 108.6 47.3 142.0
145 20.9 15.6 46.8

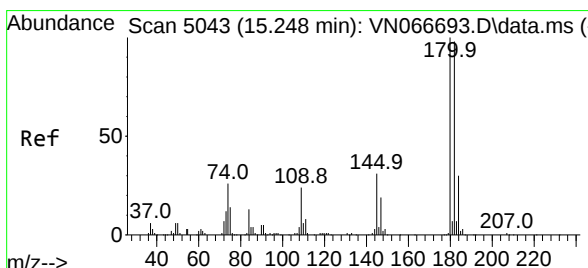
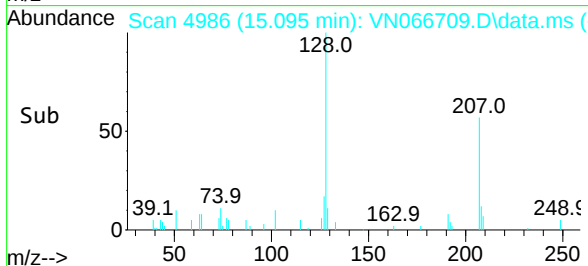
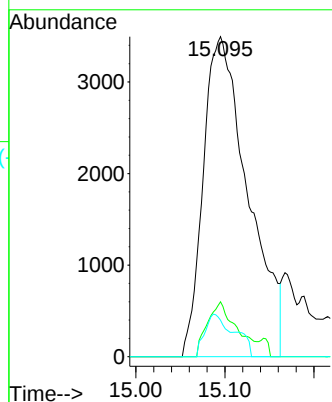
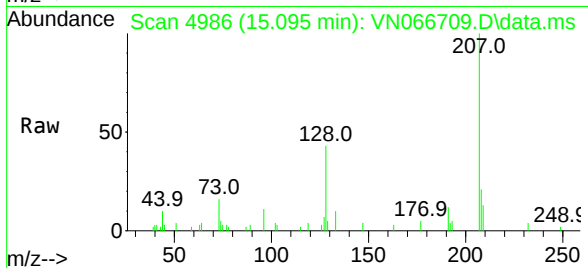




#95
Naphthalene
Concen: 3.24 ug/l
RT: 15.095 min Scan# 4986
Delta R.T. 0.024 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 12202
Ion Ratio Lower Upper
128 100
127 11.3 10.2 15.2
129 6.5 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.28 ug/l
RT: 15.264 min Scan# 5049
Delta R.T. 0.016 min
Lab File: VN066709.D
Acq: 22 Apr 2021 12:47

Tgt Ion:180 Resp: 3083
Ion Ratio Lower Upper
180 100
182 79.1 47.4 142.3
145 23.6 16.5 49.5

