

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031021\
 Data File : VN066171.D
 Acq On : 10 Mar 2021 17:27
 Operator : JC/MD
 Sample : M1603-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 11 01:34:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 09 14:48:21 2021
 Response via : Initial Calibration

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

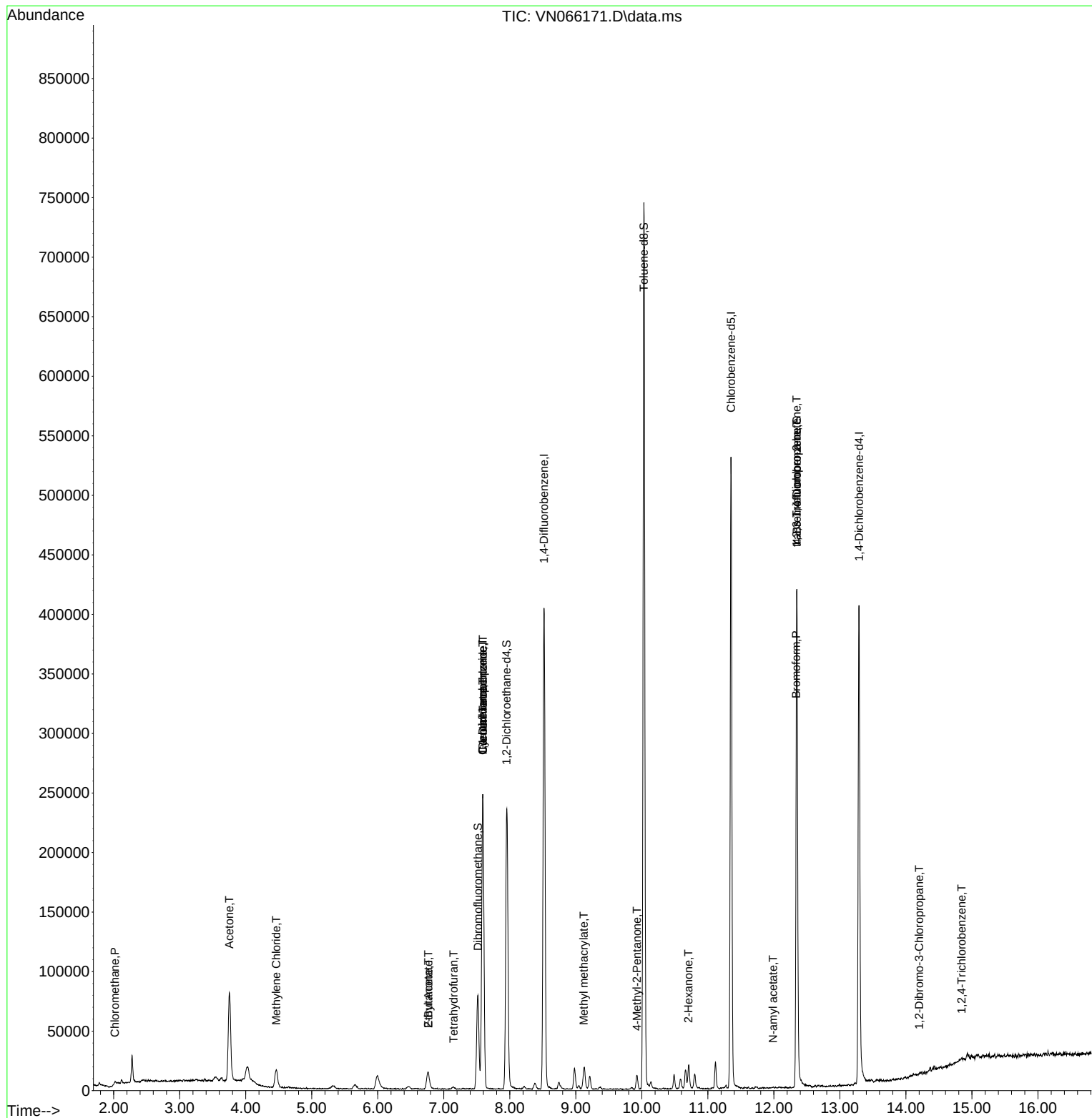
Internal Standards						
1) Pentafluorobenzene	7.590	168	189614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.518	114	320229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	274161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	108211	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	209623	58.59	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	117.18%		
35) Dibromofluoromethane	7.515	113	59356	27.17	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	54.34%#		
50) Toluene-d8	10.031	98	471778	54.89	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.78%		
62) 4-Bromofluorobenzene	12.348	95	149011	46.57	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.14%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.020	50	1172	0.27	ug/l #	75
13) Acrolein	3.529	56	1296	Below Cal	#	1
16) Acetone	3.752	43	129110	71.42	ug/l #	87
20) Methylene Chloride	4.463	84	9522	3.57	ug/l #	62
25) 2-Butanone	6.767	43	17262	6.16	ug/l #	73
29) Tetrahydrofuran	7.147	42	1250	0.64	ug/l #	50
31) Cyclohexane	7.587	56	5242	1.02	ug/l #	12
36) 1,1-Dichloropropene	7.587	75	16855	4.63	ug/l #	44
37) Ethyl Acetate	6.767	43	17262	3.11	ug/l #	69
38) Carbon Tetrachloride	7.593	117	19616	6.19	ug/l #	17
48) Methyl methacrylate	9.119	41	9107	2.06	ug/l #	17
51) 4-Methyl-2-Pentanone	9.926	43	9532	1.74	ug/l #	83
59) 2-Hexanone	10.704	43	5098	1.30	ug/l	76
71) Bromoform	12.337	173	491	0.30	ug/l #	1
74) N-amyl acetate	11.986	43	640	3.08	ug/l #	44
76) 1,2,3-Trichloropropane	12.345	75	82064	25.31	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	82064	79.01	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.201	75	283	0.37	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.845	180	413	2.38	ug/l #	91

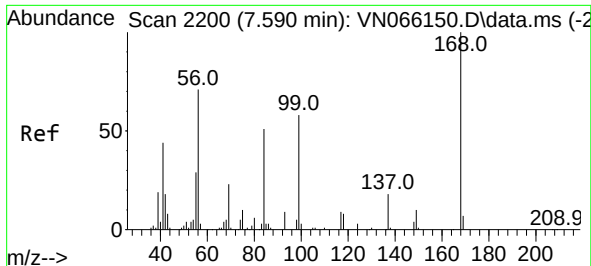
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030921W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 09 14:48:21 2021
Response via : Initial Calibration

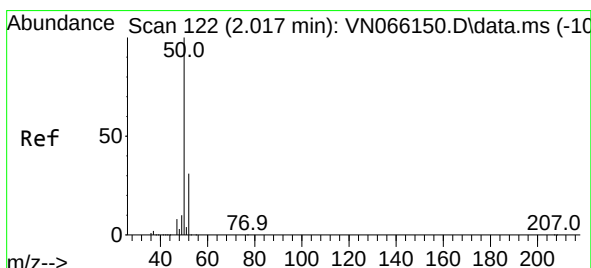
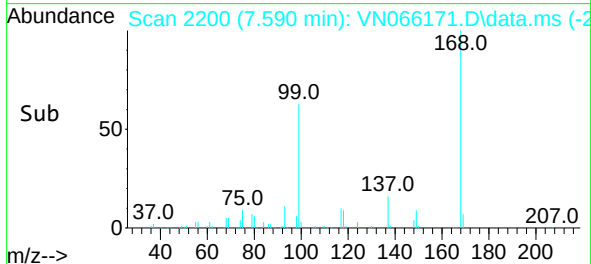
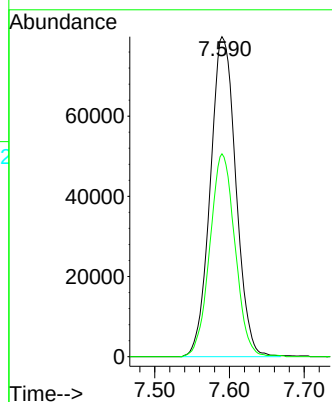
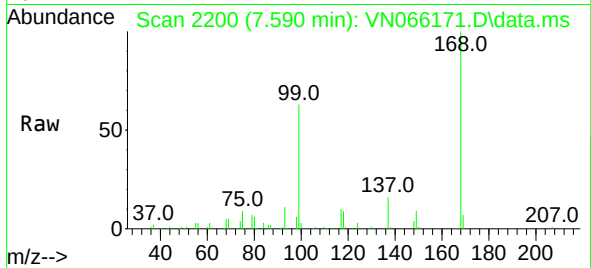




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

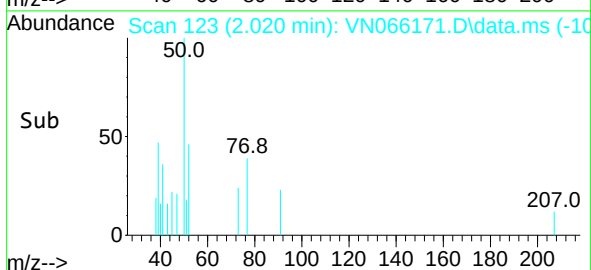
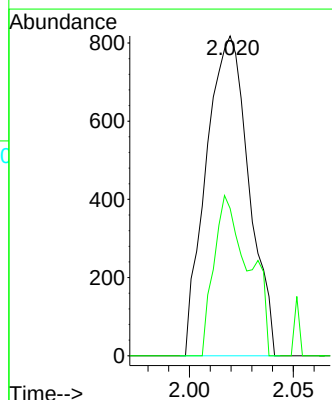
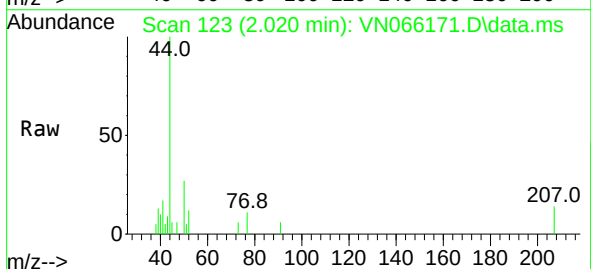
Instrument :
MSVOA_N
ClientSampled :

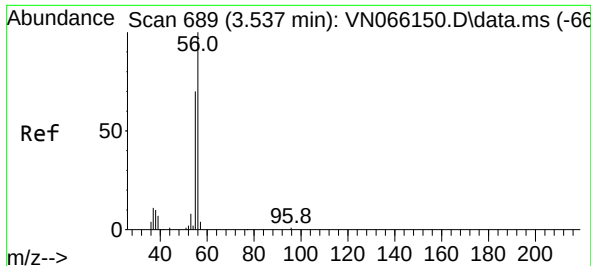
Tgt Ion:168 Resp: 189614
Ion Ratio Lower Upper
168 100
99 63.4 42.6 63.8



#3
Chloromethane
Concen: 0.27 ug/l
RT: 2.020 min Scan# 123
Delta R.T. 0.003 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

Tgt Ion: 50 Resp: 1172
Ion Ratio Lower Upper
50 100
52 46.1 25.8 38.8#

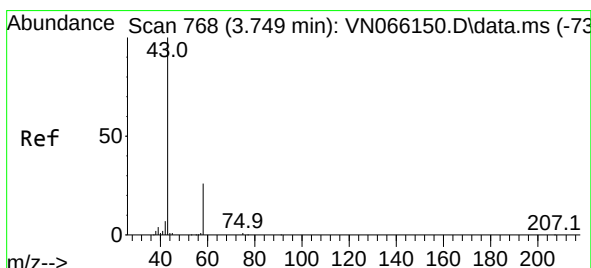
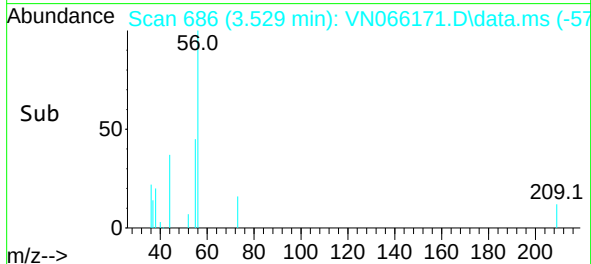
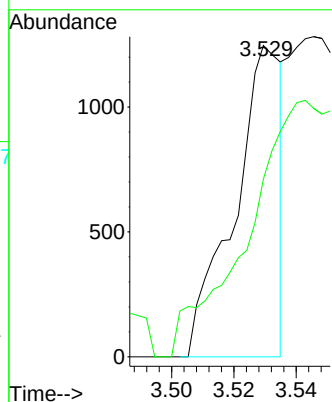
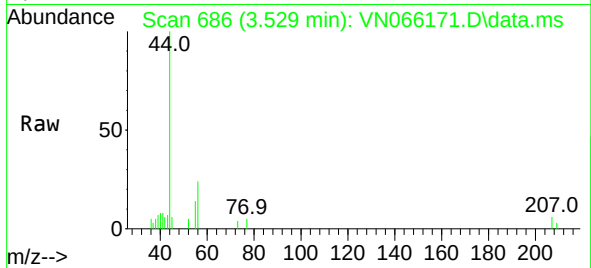




#13
Acrolein
Concen: Below Cal
RT: 3.529 min Scan# 686
Delta R.T. -0.008 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

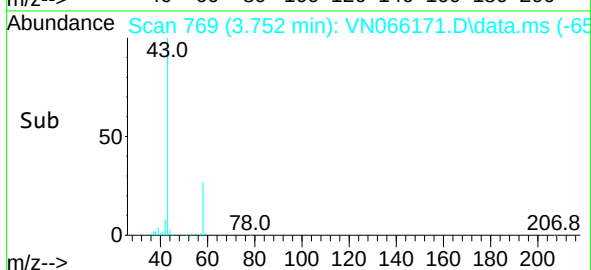
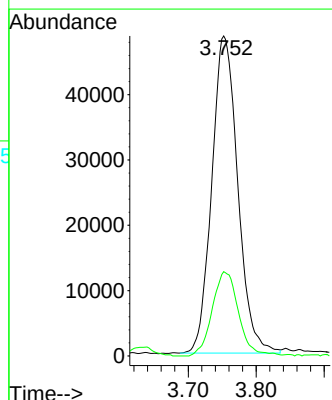
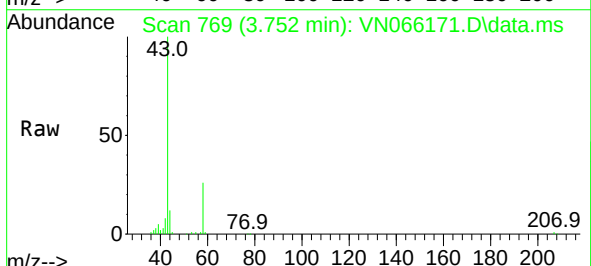
Instrument :
MSVOA_N
ClientSampled :

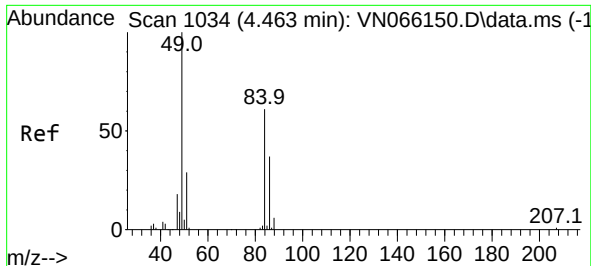
Tgt Ion: 56 Resp: 1296
Ion Ratio Lower Upper
56 100
55 208.6 56.0 84.0#



#16
Acetone
Concen: 71.42 ug/l
RT: 3.752 min Scan# 769
Delta R.T. 0.003 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

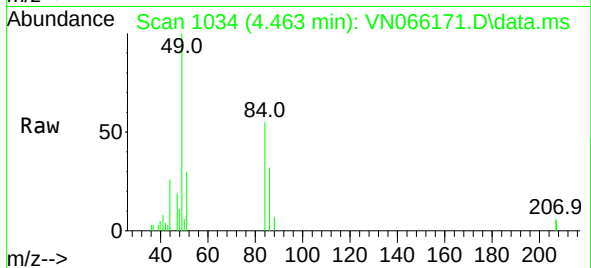
Tgt Ion: 43 Resp: 129110
Ion Ratio Lower Upper
43 100
58 26.6 27.0 40.6#



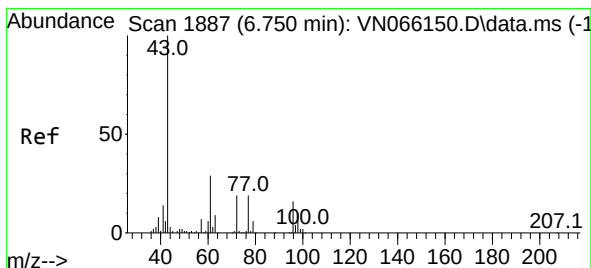
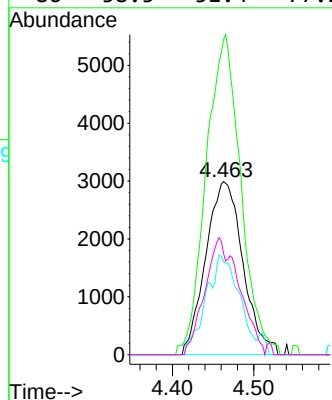
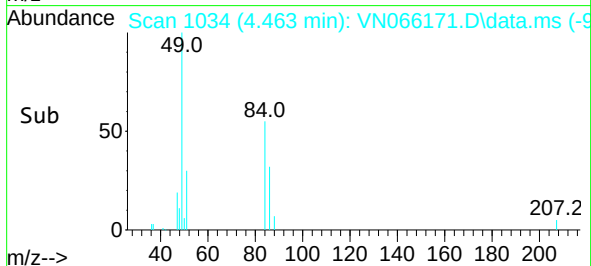


#20
Methylene Chloride
Concen: 3.57 ug/l
RT: 4.463 min Scan# 1034
Delta R.T. -0.000 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

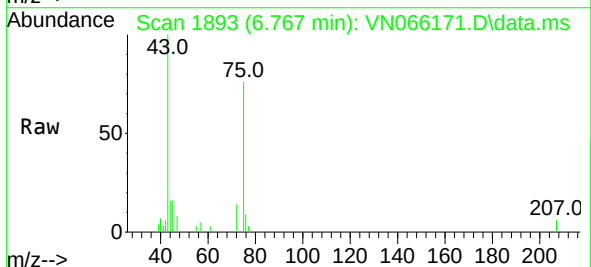
Instrument :
MSVOA_N
ClientSampleId :



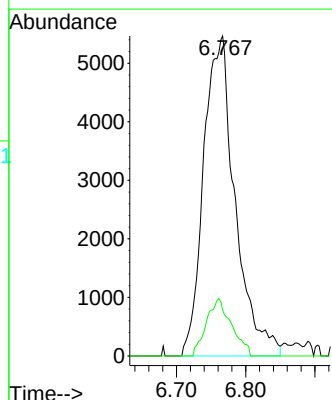
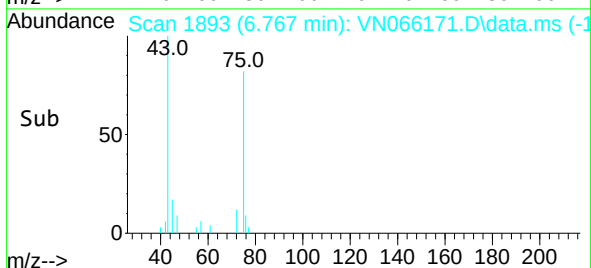
Tgt Ion:	84	Resp:	9522
Ion	Ratio	Lower	Upper
84	100		
49	182.0	94.6	141.8#
51	53.8	29.9	44.9#
86	58.5	51.4	77.2

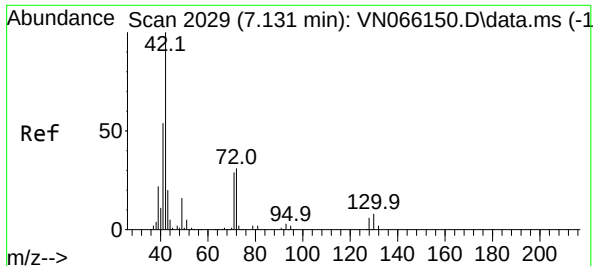


#25
2-Butanone
Concen: 6.16 ug/l
RT: 6.767 min Scan# 1893
Delta R.T. 0.017 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27



Tgt Ion:	43	Resp:	17262
Ion	Ratio	Lower	Upper
43	100		
72	14.5	23.1	34.7#

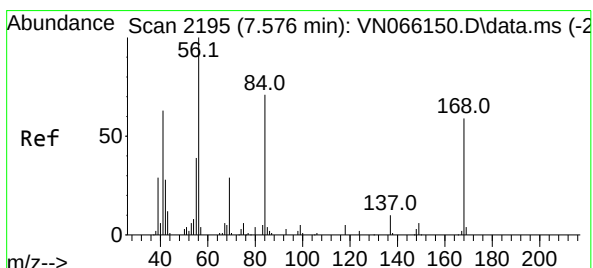
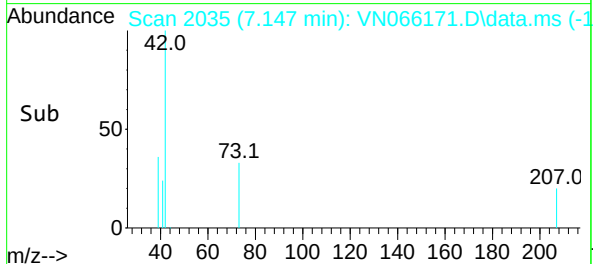
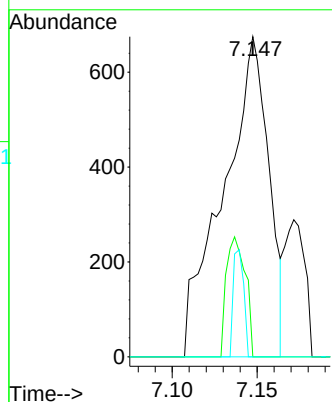
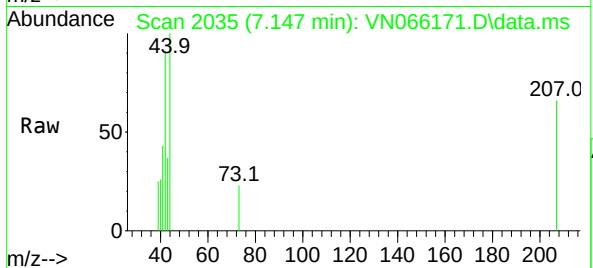




#29
Tetrahydrofuran
Concen: 0.64 ug/l
RT: 7.147 min Scan# 2035
Delta R.T. 0.016 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

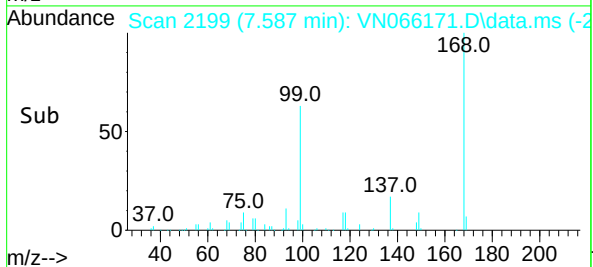
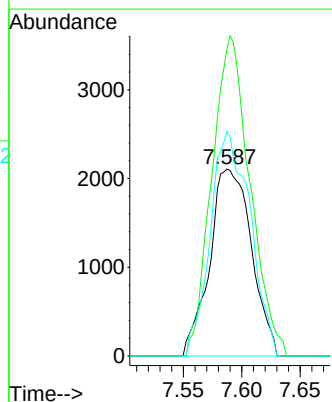
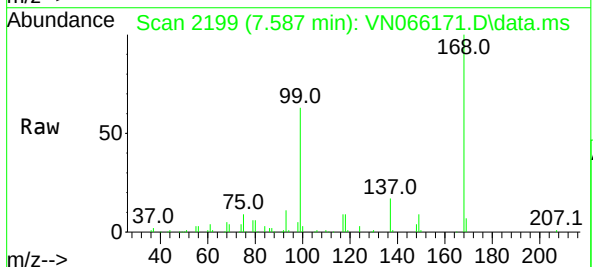
Instrument :
MSVOA_N
ClientSampleId :

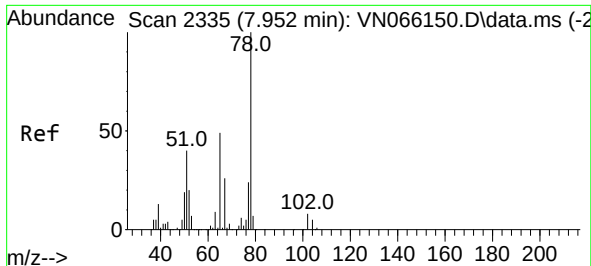
Tgt Ion: 42 Resp: 1250
Ion Ratio Lower Upper
42 100
72 15.7 36.6 55.0#
71 7.7 34.3 51.5#



#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. 0.011 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

Tgt Ion: 56 Resp: 5242
Ion Ratio Lower Upper
56 100
69 164.0 26.6 39.8#
84 120.2 70.4 105.6#

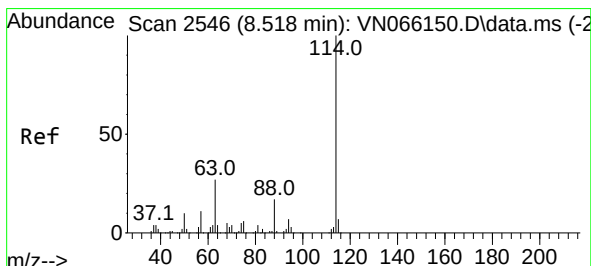
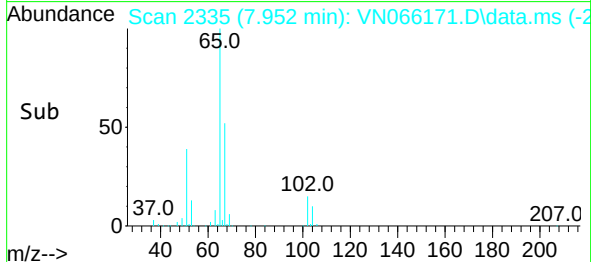
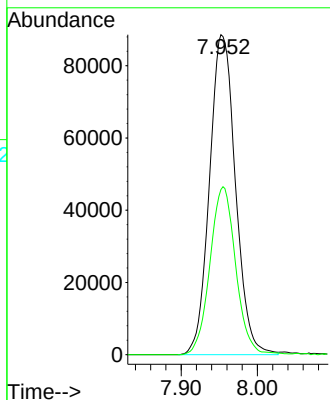
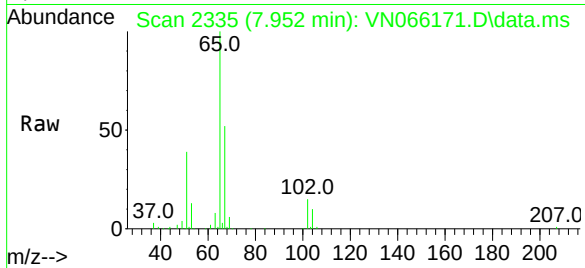




#33
1,2-Dichloroethane-d4
Concen: 58.59 ug/l
RT: 7.952 min Scan# 2335
Delta R.T. 0.000 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

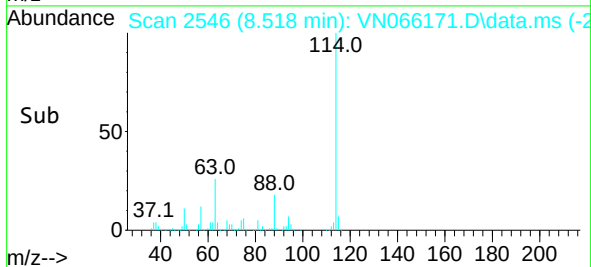
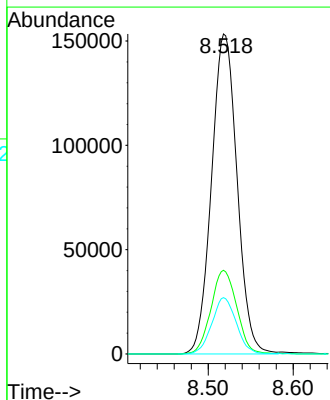
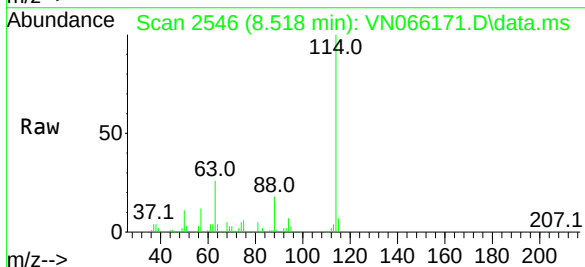
Instrument :
MSVOA_N
ClientSampled :

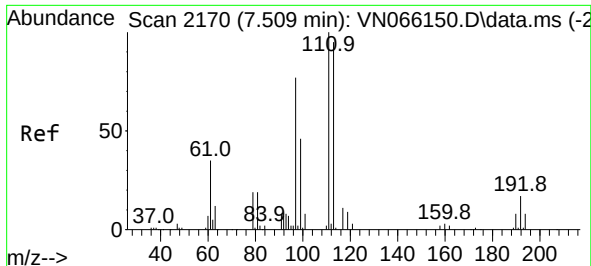
Tgt Ion: 65 Resp: 209623
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.518 min Scan# 2546
Delta R.T. -0.000 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

Tgt Ion: 114 Resp: 320229
Ion Ratio Lower Upper
114 100
63 26.1 0.0 38.6
88 17.6 0.0 30.6

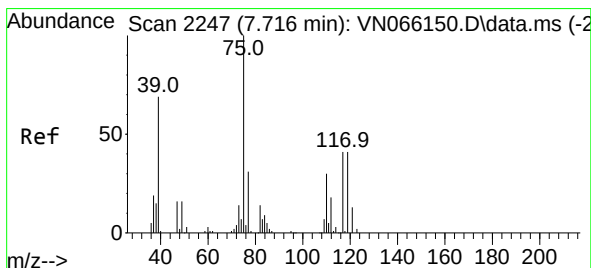
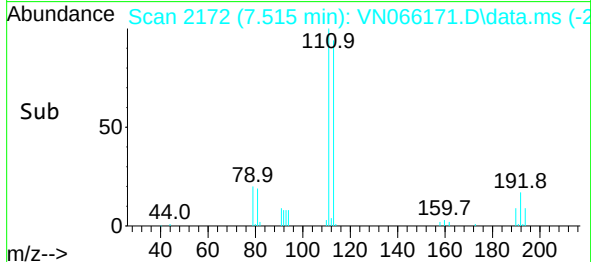
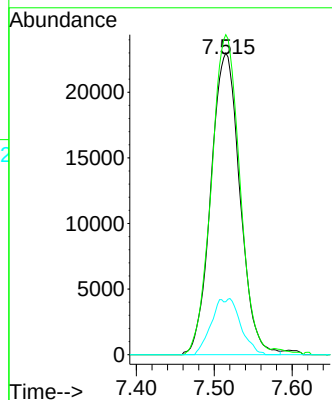
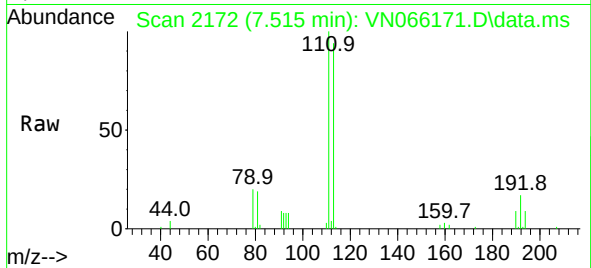




#35
Dibromofluoromethane
Concen: 27.17 ug/l
RT: 7.515 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

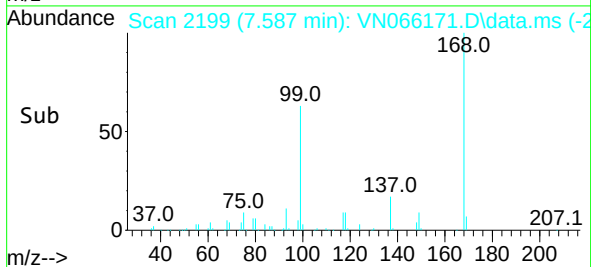
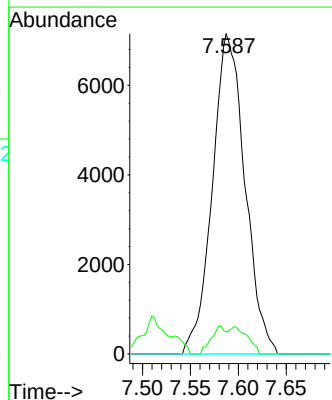
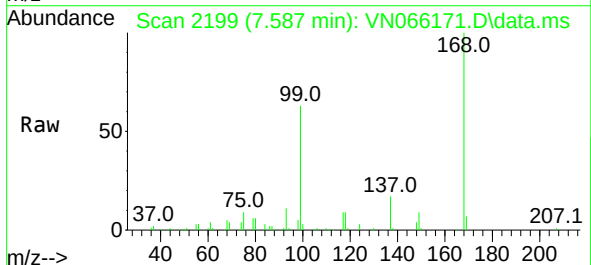
Instrument :
MSVOA_N
ClientSampled :

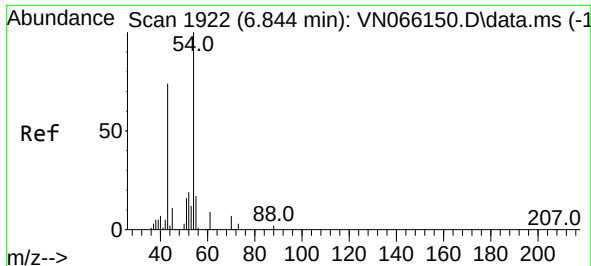
Tgt Ion:113 Resp: 59356
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 8.6 15.4 23.0#



#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 7.587 min Scan# 2199
Delta R.T. -0.129 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

Tgt Ion: 75 Resp: 16855
Ion Ratio Lower Upper
75 100
110 3.9 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 3.11 ug/l

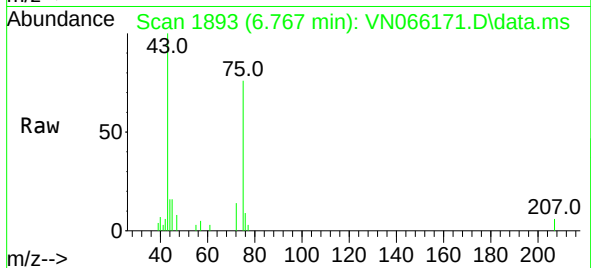
RT: 6.767 min Scan# 1893

Delta R.T. -0.077 min

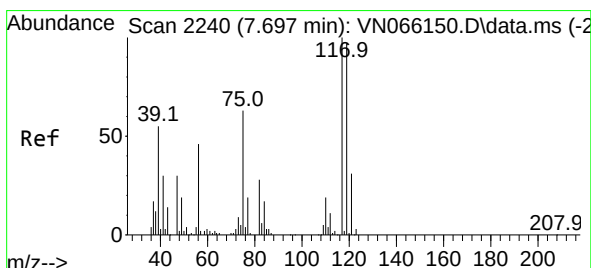
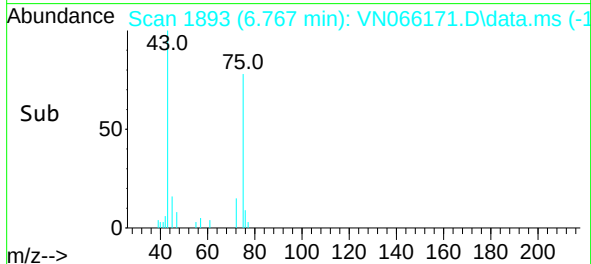
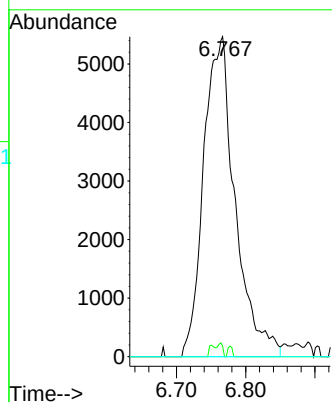
Lab File: VN066171.D

Acq: 10 Mar 2021 17:27

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	17262
Ion	Ratio	Lower	Upper
43	100		
61	0.7	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.19 ug/l

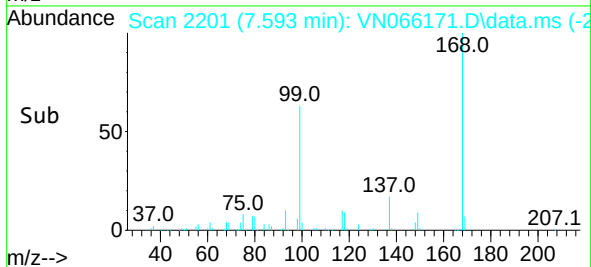
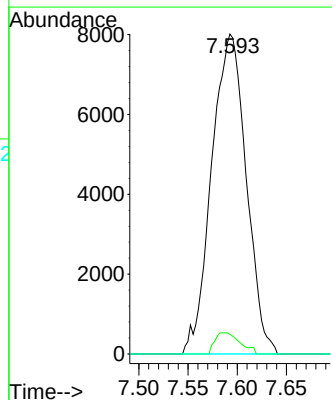
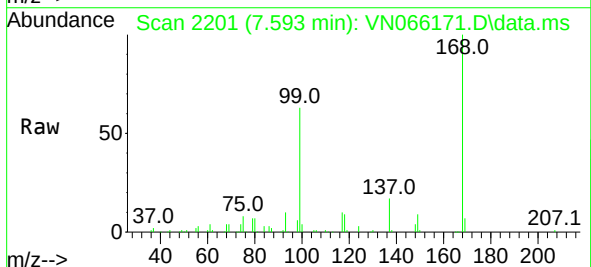
RT: 7.593 min Scan# 2201

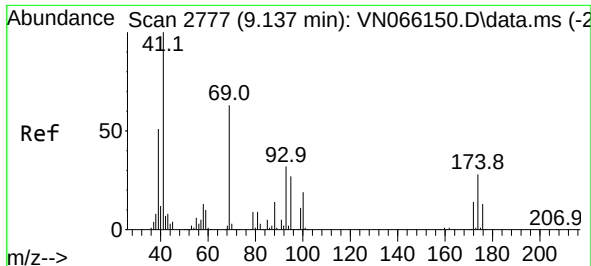
Delta R.T. -0.104 min

Lab File: VN066171.D

Acq: 10 Mar 2021 17:27

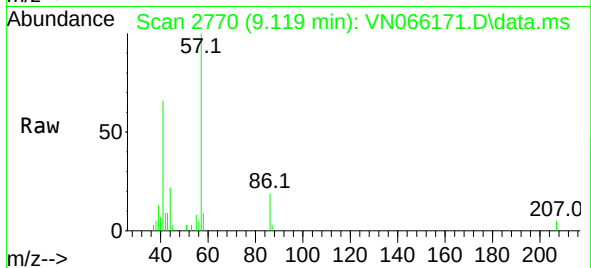
Tgt Ion:	117	Resp:	19616
Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.0	114.0#
121	0.0	24.5	36.7#



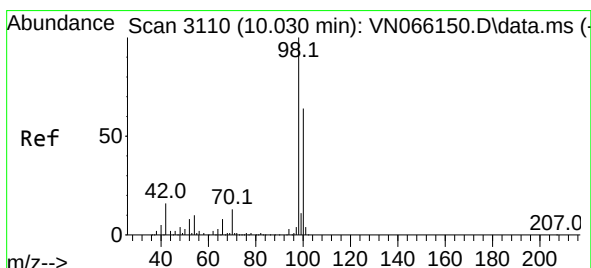
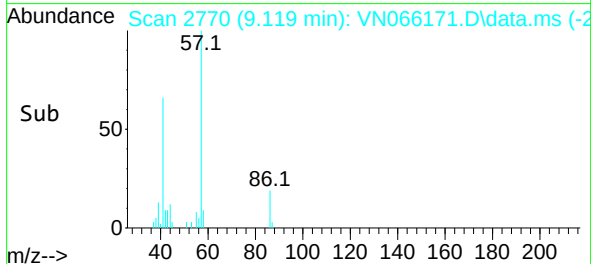
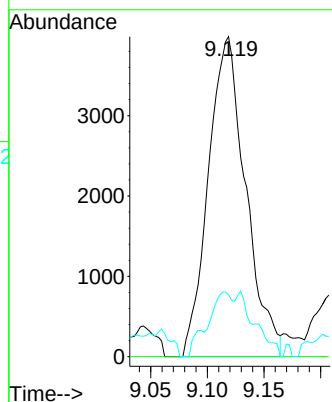


#48
Methyl methacrylate
Concen: 2.06 ug/l
RT: 9.119 min Scan# 2770
Delta R.T. -0.018 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

Instrument :
MSVOA_N
ClientSampleId :

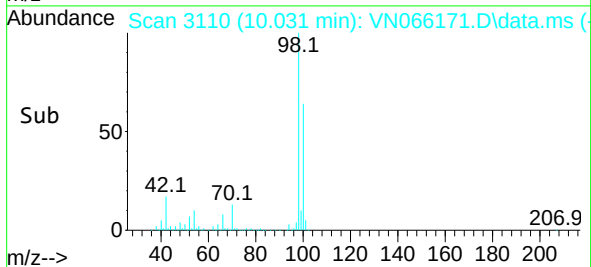
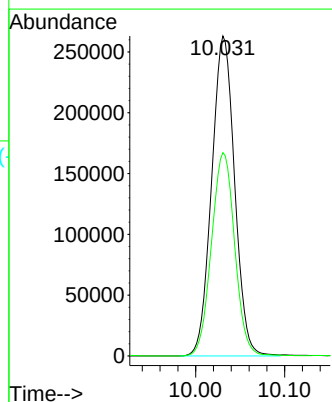
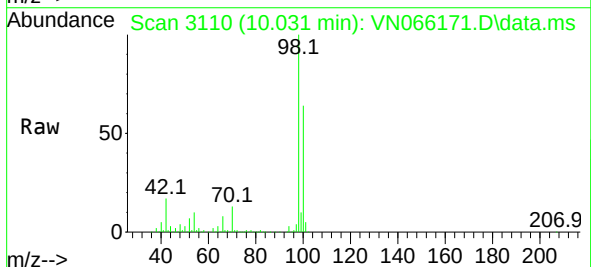


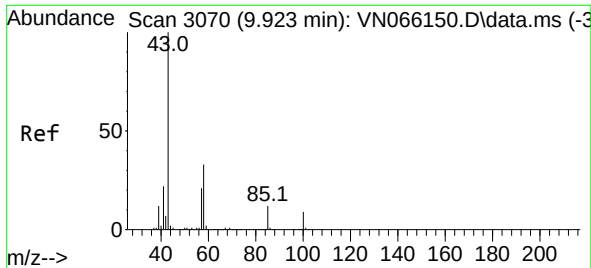
Tgt Ion: 41 Resp: 9107
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 14.2 46.6 69.8#



#50
Toluene-d8
Concen: 54.89 ug/l
RT: 10.031 min Scan# 3110
Delta R.T. 0.001 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

Tgt Ion: 98 Resp: 471778
Ion Ratio Lower Upper
98 100
100 64.4 50.5 75.7

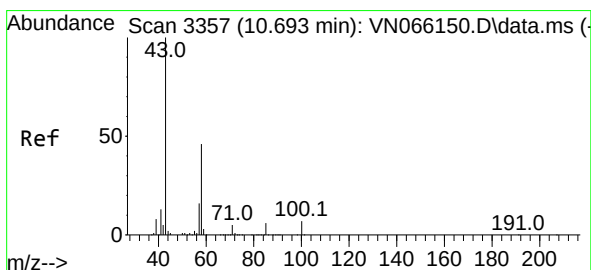
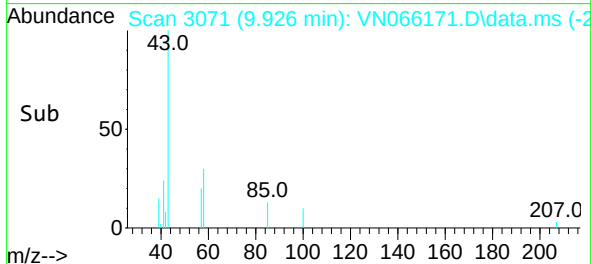
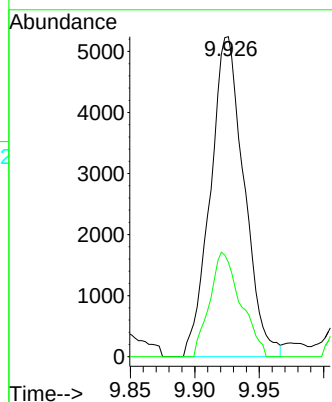
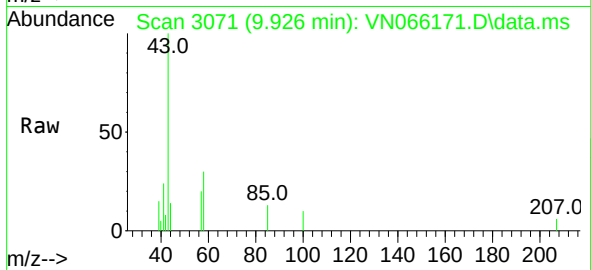




#51
4-Methyl-2-Pentanone
Concen: 1.74 ug/l
RT: 9.926 min Scan# 3071
Delta R.T. 0.003 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

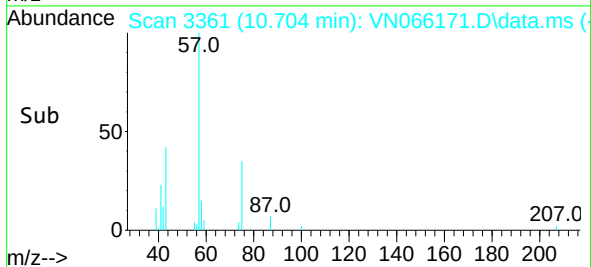
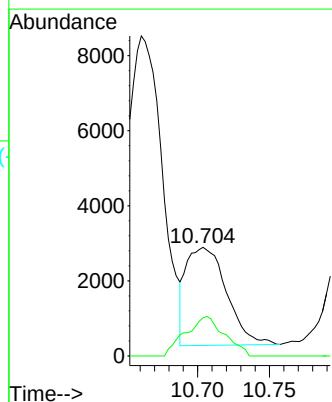
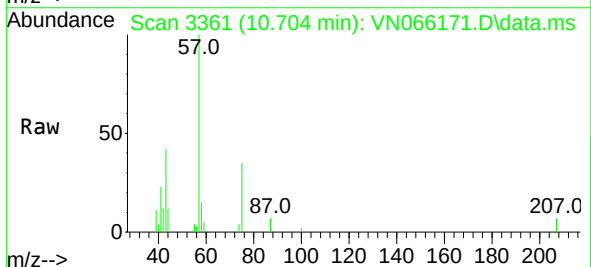
Instrument :
MSVOA_N
ClientSampled :

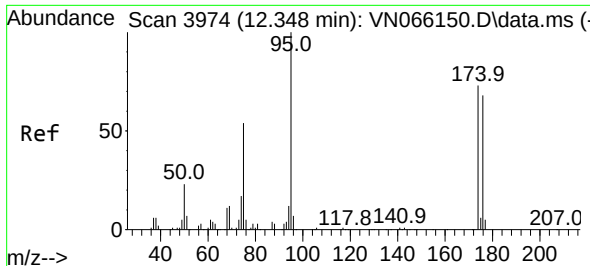
Tgt Ion: 43 Resp: 9532
Ion Ratio Lower Upper
43 100
58 30.0 32.5 48.7#



#59
2-Hexanone
Concen: 1.30 ug/l
RT: 10.704 min Scan# 3361
Delta R.T. 0.011 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

Tgt Ion: 43 Resp: 5098
Ion Ratio Lower Upper
43 100
58 38.8 28.1 84.3

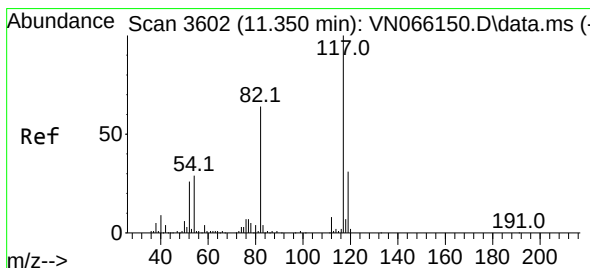
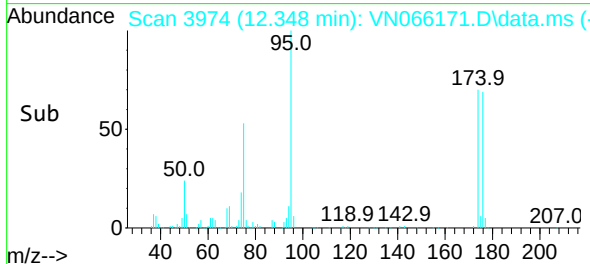
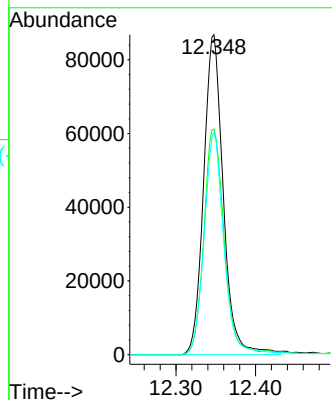
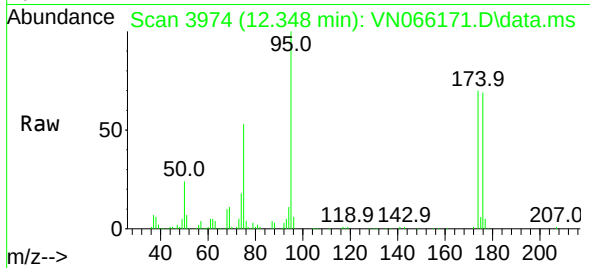




#62
4-Bromofluorobenzene
Concen: 46.57 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. -0.000 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

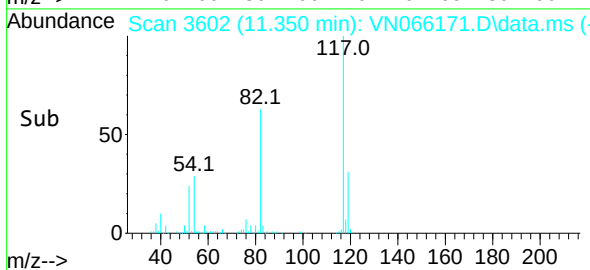
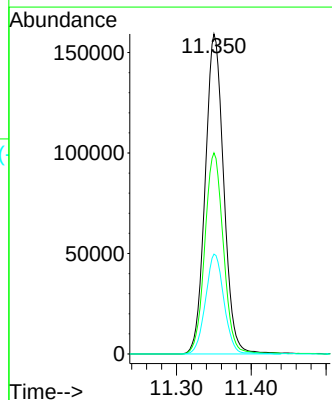
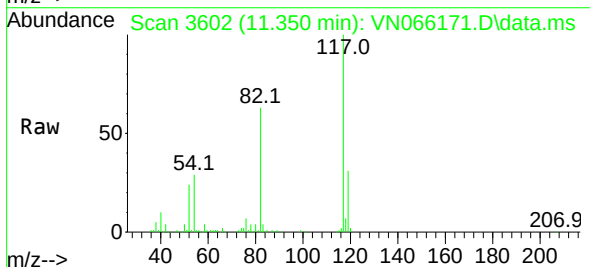
Instrument :
MSVOA_N
ClientSampleId :

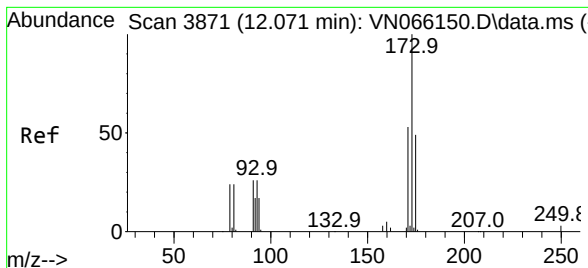
Tgt Ion: 95 Resp: 149011
Ion Ratio Lower Upper
95 100
174 72.3 0.0 169.0
176 69.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.000 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

Tgt Ion: 117 Resp: 274161
Ion Ratio Lower Upper
117 100
82 62.8 43.7 65.5
119 31.2 26.1 39.1

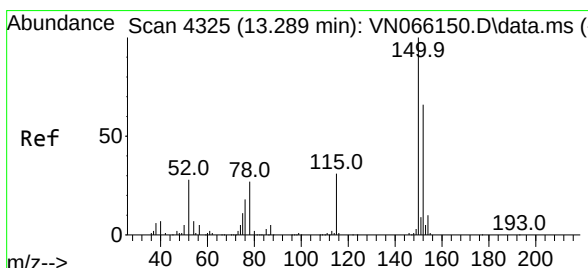
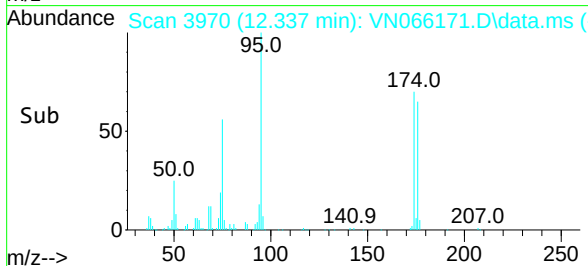
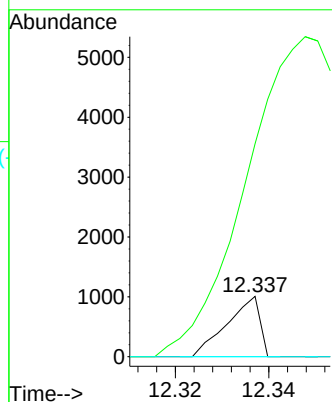
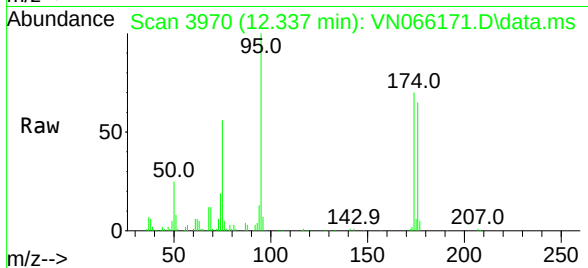




#71
Bromoform
Concen: 0.30 ug/l
RT: 12.337 min Scan# 3970
Delta R.T. 0.266 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

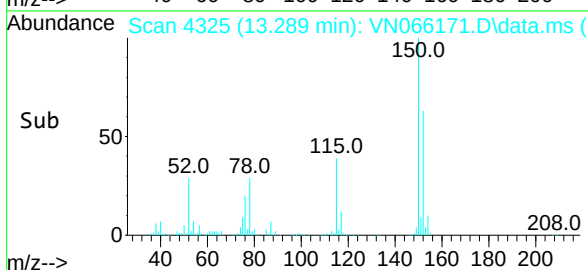
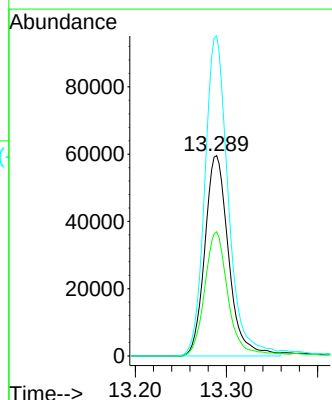
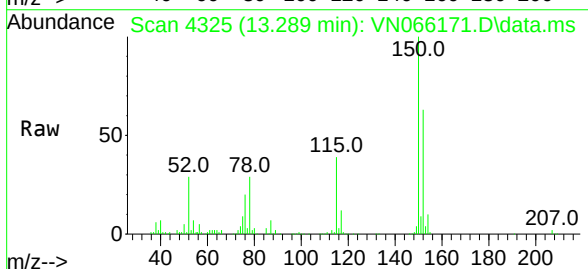
Instrument :
MSVOA_N
ClientSampled :

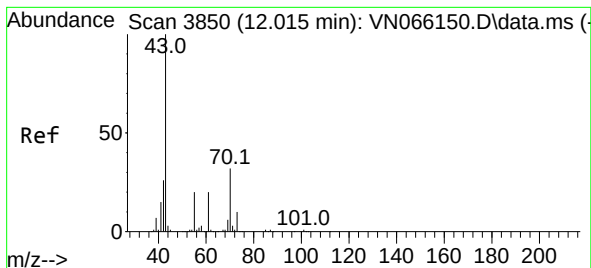
Tgt Ion:173 Resp: 491
Ion Ratio Lower Upper
173 100
175 1644.8 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.000 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

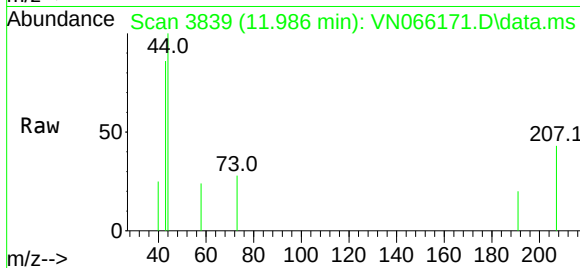
Tgt Ion:152 Resp: 108211
Ion Ratio Lower Upper
152 100
115 61.1 28.5 85.6
150 157.2 0.0 347.6



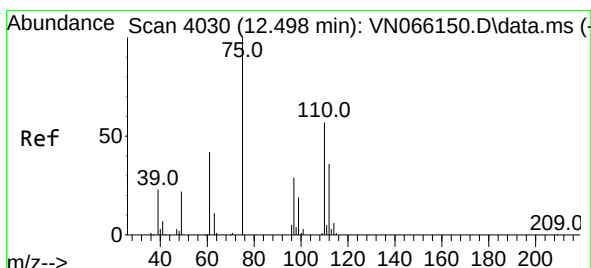
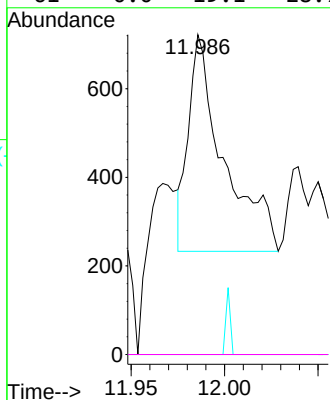
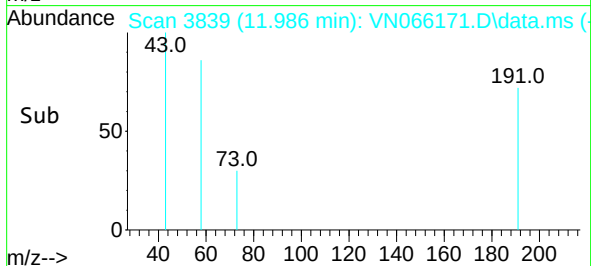


#74
N-amy1 acetate
Concen: 3.08 ug/l
RT: 11.986 min Scan# 3839
Delta R.T. -0.029 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

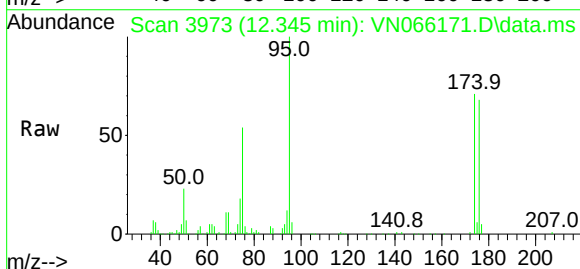
Instrument :
MSVOA_N
ClientSampleId :



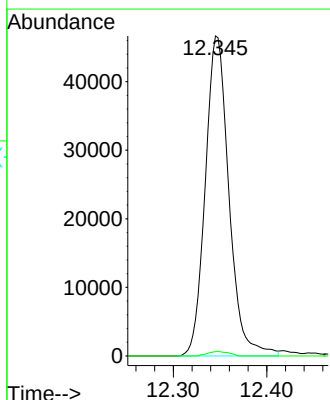
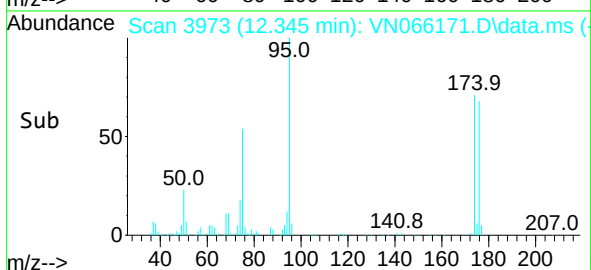
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 3.8 20.7 31.1#
61 0.0 19.1 28.7#

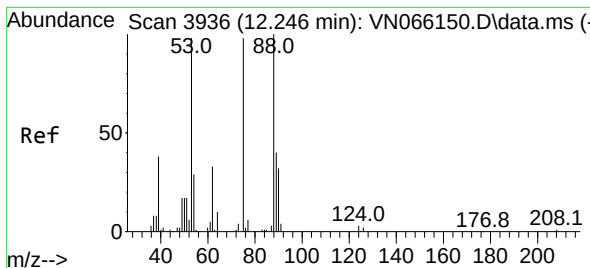


#76
1,2,3-Trichloropropane
Concen: 25.31 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27



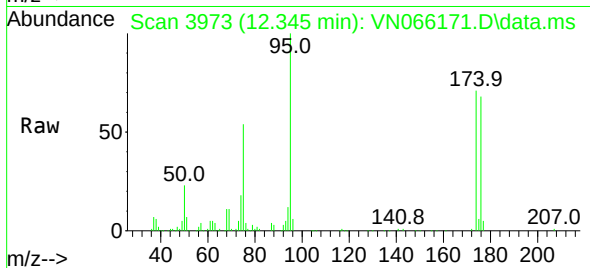
Tgt Ion: 75 Resp: 82064
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



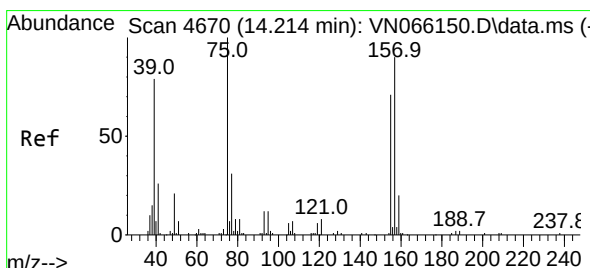
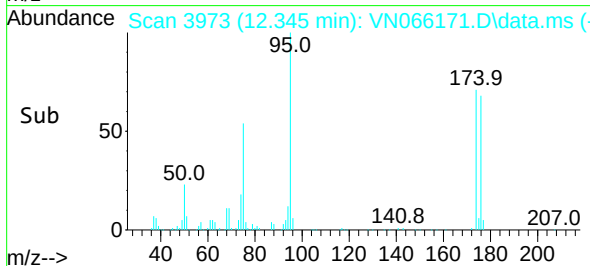
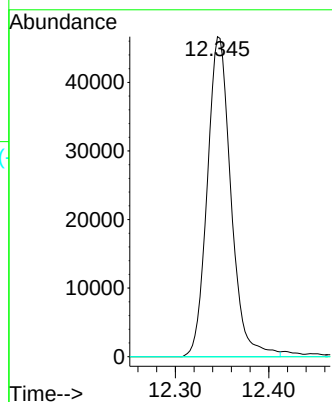


#81
trans-1,4-Dichloro-2-butene
Concen: 79.01 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.099 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

Instrument :
MSVOA_N
ClientSampled :

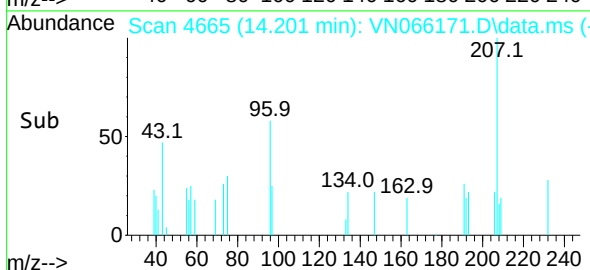
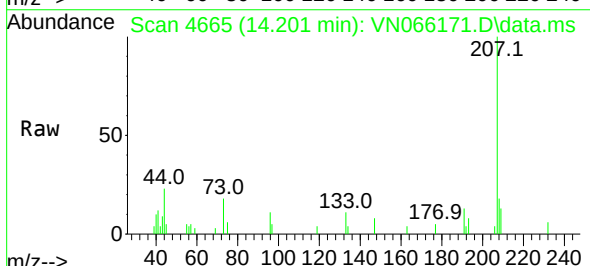
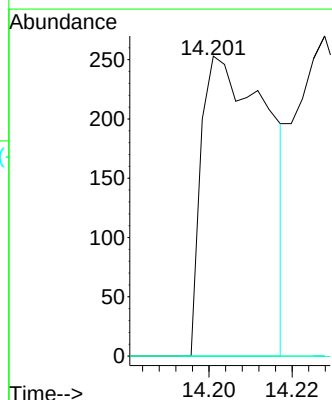


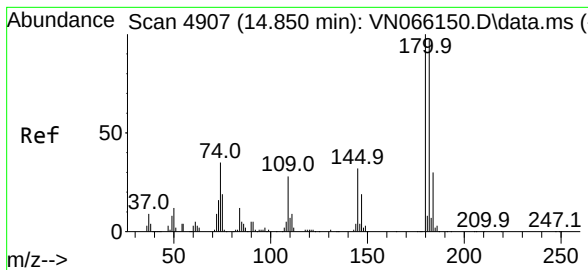
Tgt Ion: 75 Resp: 82064
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.37 ug/l
RT: 14.201 min Scan# 4665
Delta R.T. -0.013 min
Lab File: VN066171.D
Acq: 10 Mar 2021 17:27

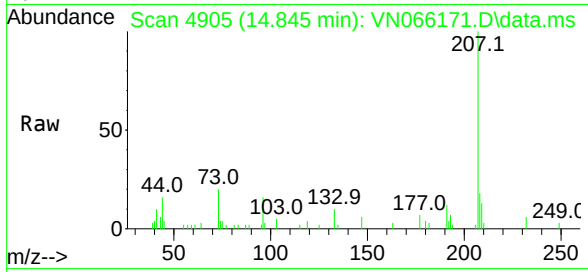
Tgt Ion: 75 Resp: 283
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#93
 1,2,4-Trichlorobenzene
 Concen: 2.38 ug/l
 RT: 14.845 min Scan# 4905
 Delta R.T. -0.005 min
 Lab File: VN066171.D
 Acq: 10 Mar 2021 17:27

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:	180	Resp:	413
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	142.0
145	12.3	15.6	46.8#

