

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030221\
 Data File : VN066108.D
 Acq On : 2 Mar 2021 19:02
 Operator : JC/MD
 Sample : M1507-09 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 03:55:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030221W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 02 14:05:08 2021
 Response via : Initial Calibration

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

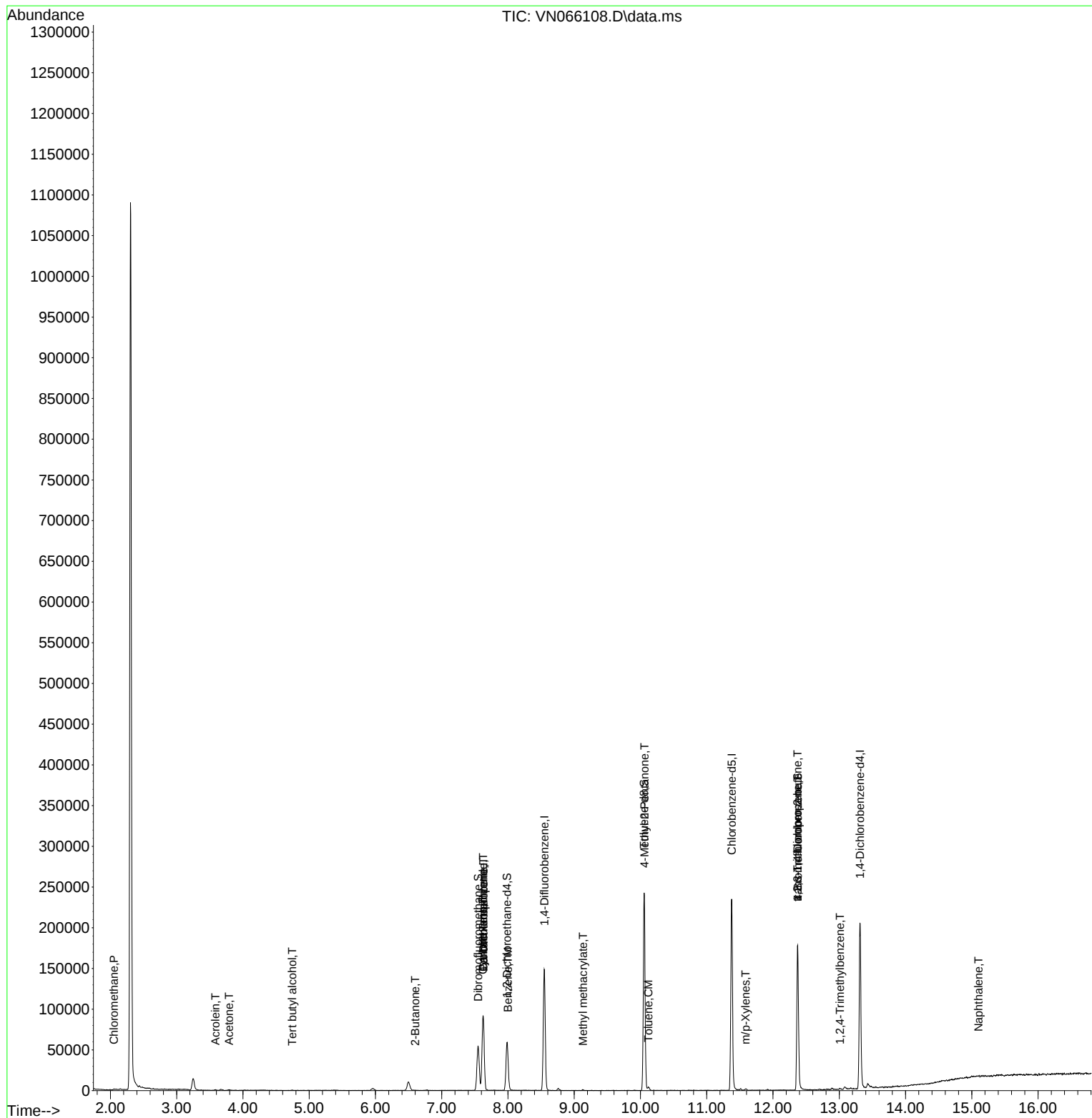
Internal Standards						
1) Pentafluorobenzene	7.627	168	73115	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	135766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	140428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	59289	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	56195	50.50	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.00%
35) Dibromofluoromethane	7.550	113	42390	49.30	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.60%
50) Toluene-d8	10.055	98	171691	51.27	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.54%
62) 4-Bromofluorobenzene	12.373	95	72381	56.12	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.24%
Target Compounds						
					Qvalue	
3) Chloromethane	2.052	50	599	0.73	ug/l	90
11) Tert butyl alcohol	4.746	59	561	3.65	ug/l #	73
13) Acrolein	3.586	56	615	8.51	ug/l	99
16) Acetone	3.788	43	1415	4.25	ug/l	89
25) 2-Butanone	6.598	43	288	0.65	ug/l #	46
31) Cyclohexane	7.621	56	1350	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.627	75	5524	4.33	ug/l #	45
38) Carbon Tetrachloride	7.624	117	7229	4.93	ug/l #	17
40) Benzene	8.000	78	2734	0.73	ug/l #	86
48) Methyl methacrylate	9.132	41	250	0.28	ug/l #	22
51) 4-Methyl-2-Pentanone	10.061	43	567	0.56	ug/l #	1
52) Toluene	10.119	92	1868	0.77	ug/l	97
68) m/p-Xylenes	11.585	106	930	0.46	ug/l	98
76) 1,2,3-Trichloropropane	12.370	75	36612	27.97	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.370	75	36612	82.29	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	978	0.23	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.215	75	107	Below Cal	#	1
95) Naphthalene	15.100	128	932	0.28	ug/l #	69

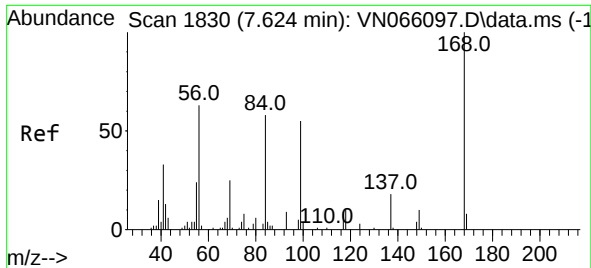
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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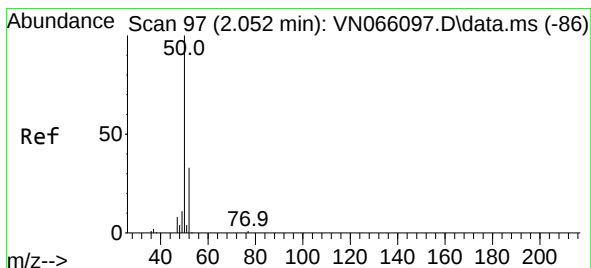
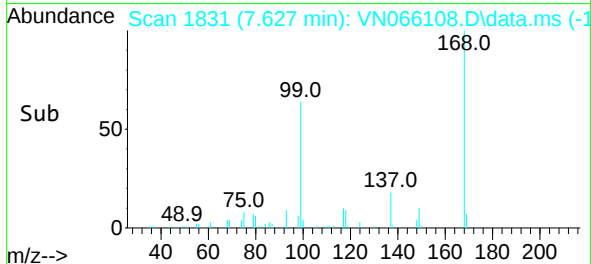
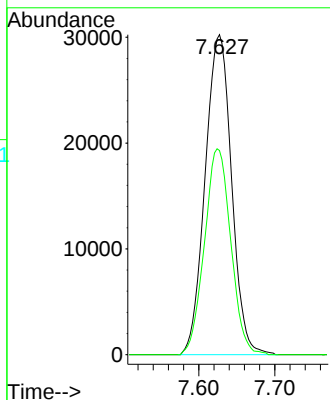
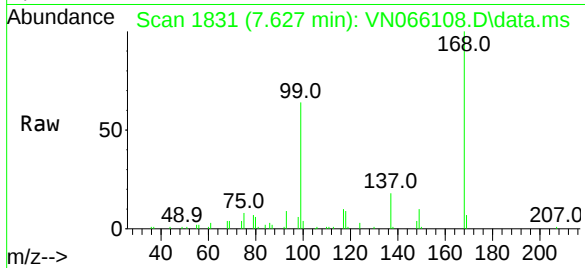




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. 0.003 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

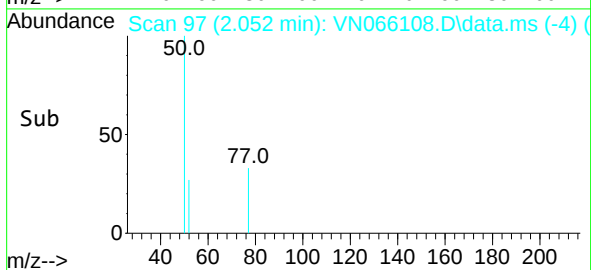
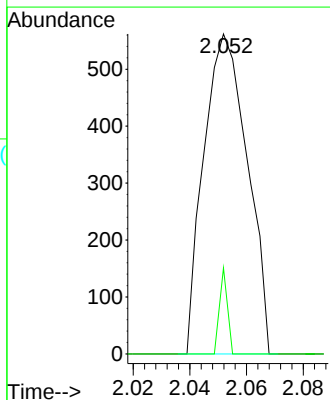
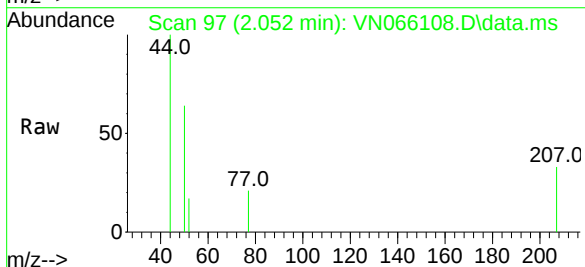
Instrument :
MSVOA_N
ClientSampleId :

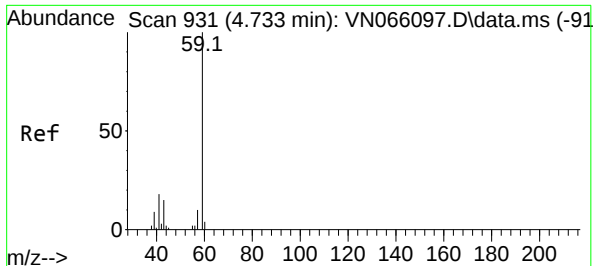
Tgt Ion:168 Resp: 73115
Ion Ratio Lower Upper
168 100
99 63.8 42.6 63.8



#3
Chloromethane
Concen: 0.73 ug/l
RT: 2.052 min Scan# 97
Delta R.T. -0.000 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Tgt Ion: 50 Resp: 599
Ion Ratio Lower Upper
50 100
52 26.9 25.8 38.8

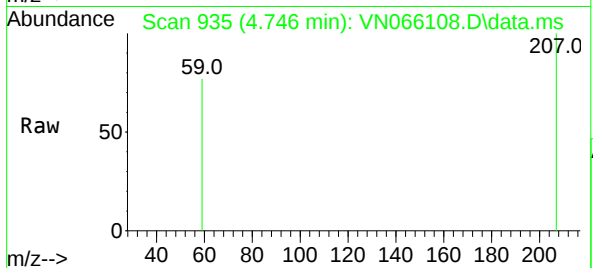




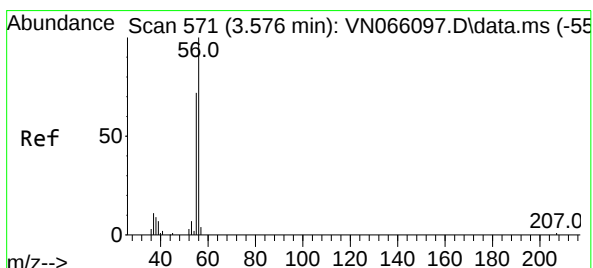
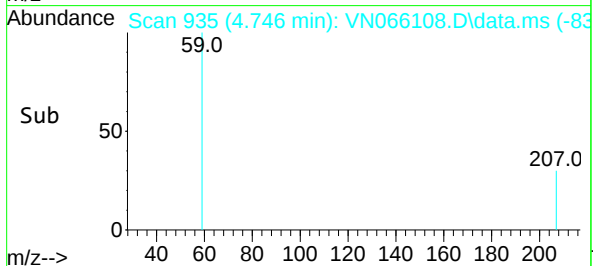
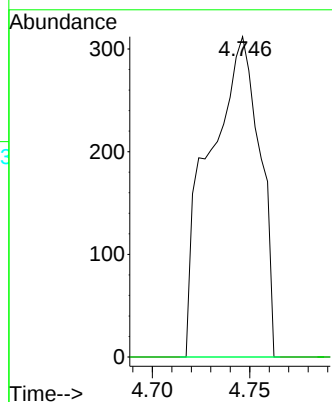
#11

Tert butyl alcohol
Concen: 3.65 ug/l
RT: 4.746 min Scan# 935
Delta R.T. 0.013 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Instrument :
MSVOA_N
ClientSampled :



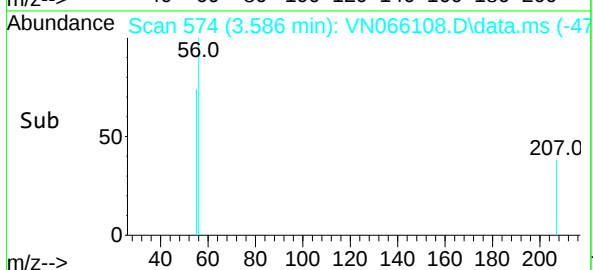
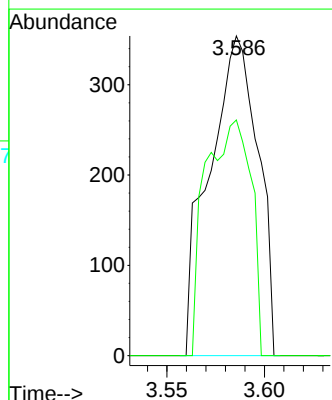
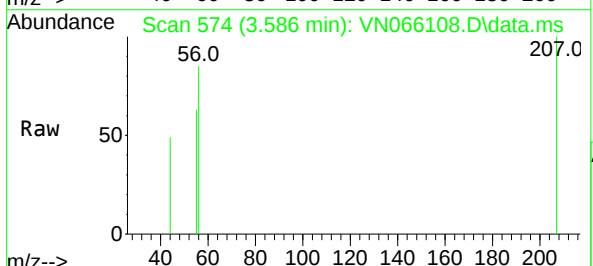
Tgt Ion: 59 Resp: 561
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

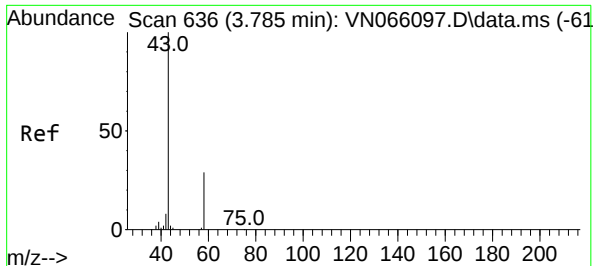


#13

Acrolein
Concen: 8.51 ug/l
RT: 3.586 min Scan# 574
Delta R.T. 0.010 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Tgt Ion: 56 Resp: 615
Ion Ratio Lower Upper
56 100
55 68.8 56.0 84.0

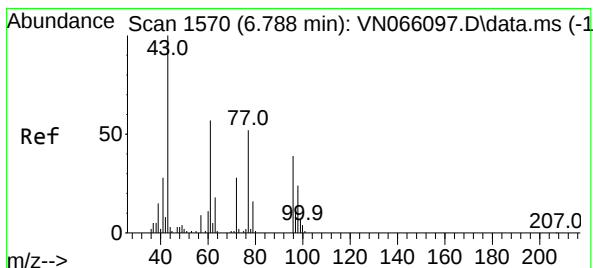
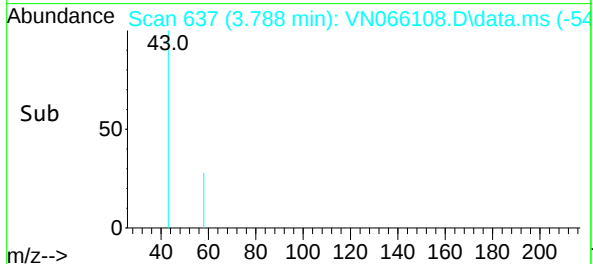
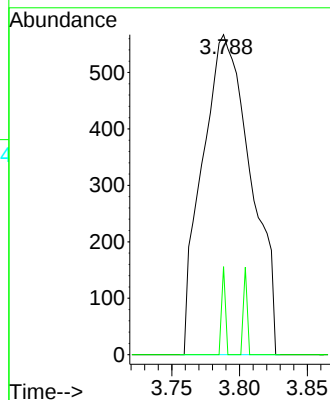
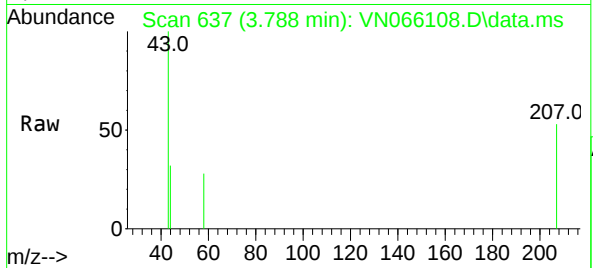




#16
Acetone
Concen: 4.25 ug/l
RT: 3.788 min Scan# 637
Delta R.T. 0.003 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

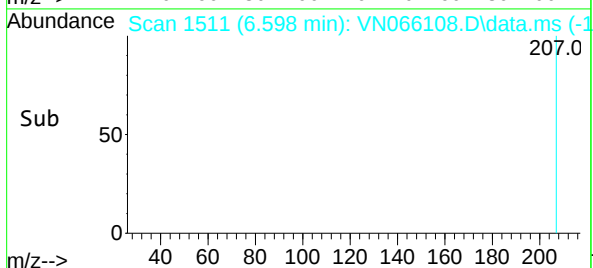
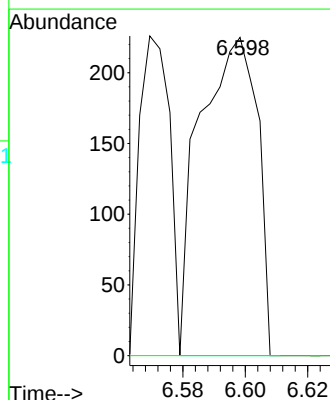
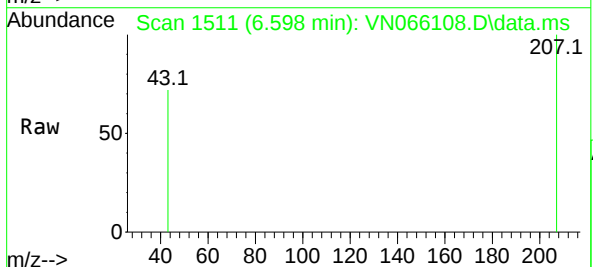
Instrument :
MSVOA_N
ClientSampled :

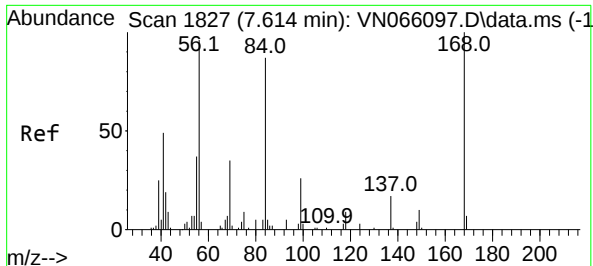
Tgt Ion: 43 Resp: 1415
Ion Ratio Lower Upper
43 100
58 27.5 27.0 40.6



#25
2-Butanone
Concen: 0.65 ug/l
RT: 6.598 min Scan# 1511
Delta R.T. -0.190 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

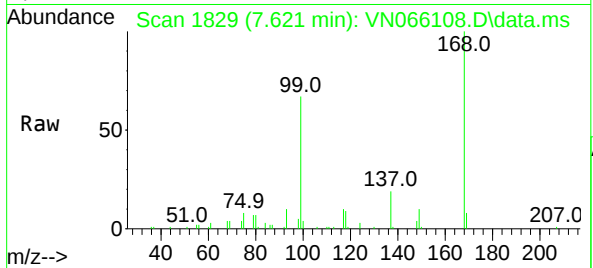
Tgt Ion: 43 Resp: 288
Ion Ratio Lower Upper
43 100
72 0.0 23.1 34.7#



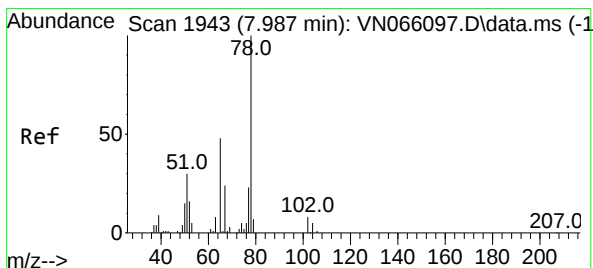
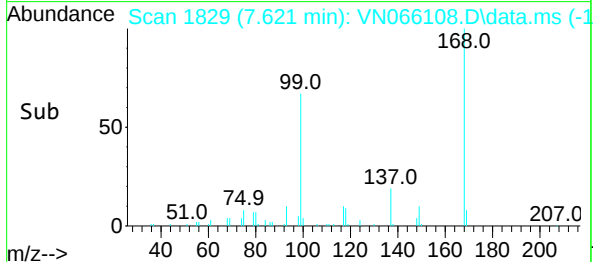
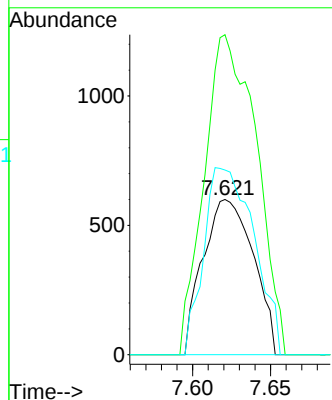


#31
Cyclohexane
Concen: 1.01 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.007 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Instrument :
MSVOA_N
ClientSampled :

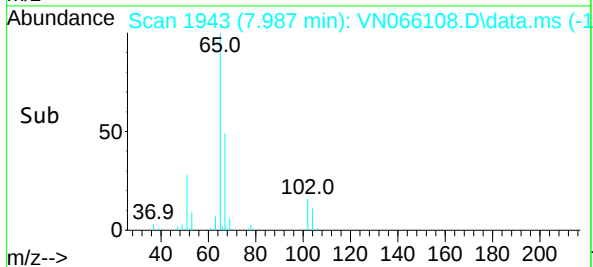
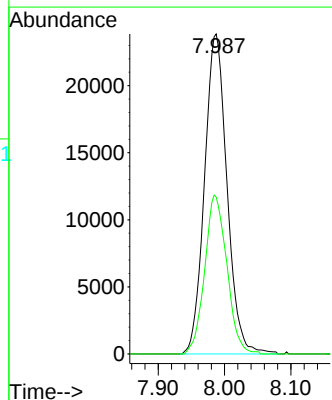
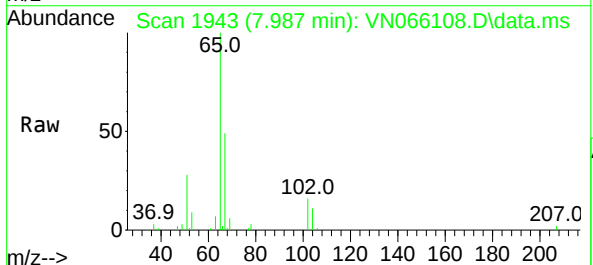


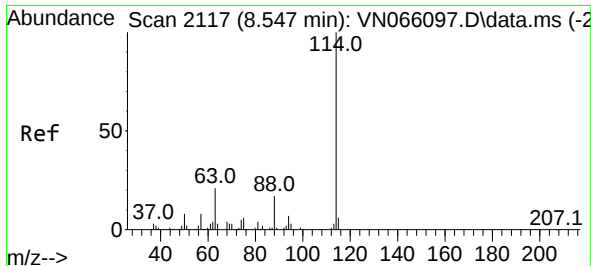
Tgt Ion: 56 Resp: 1350
Ion Ratio Lower Upper
56 100
69 206.2 26.6 39.8#
84 119.0 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 50.50 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

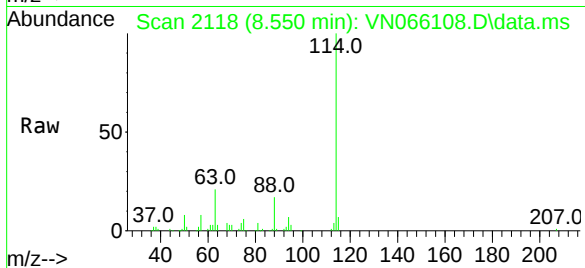
Tgt Ion: 65 Resp: 56195
Ion Ratio Lower Upper
65 100
67 49.0 0.0 107.2



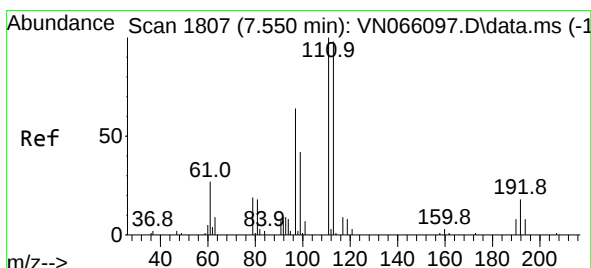
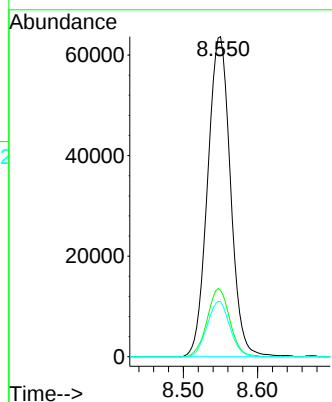
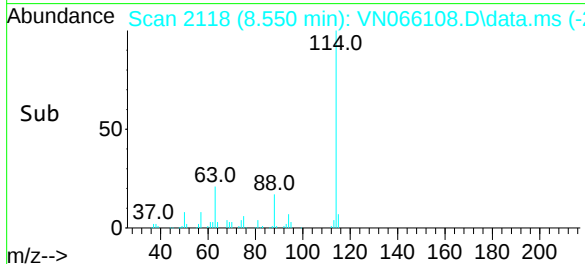


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

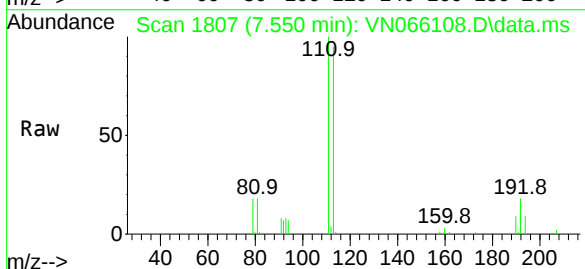
Instrument :
MSVOA_N
ClientSampled :



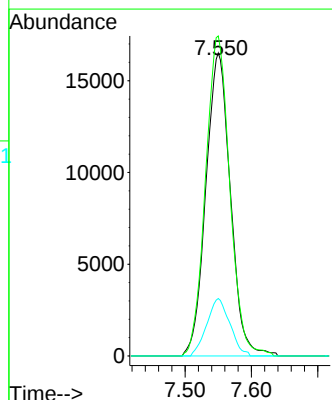
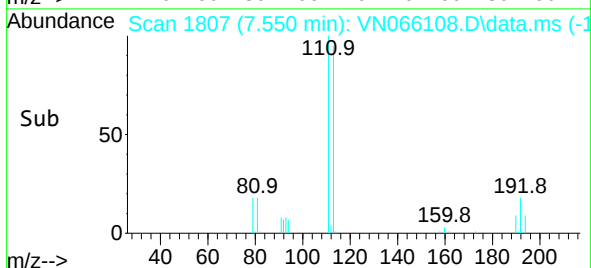
Tgt Ion:114 Resp: 135766
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 17.1 0.0 30.6

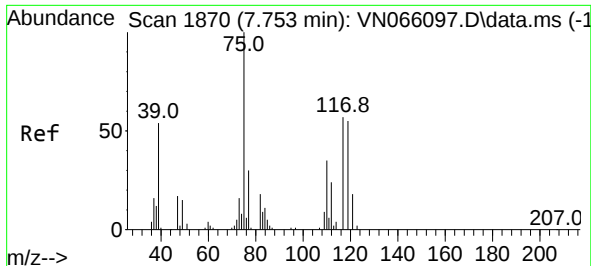


#35
Dibromofluoromethane
Concen: 49.30 ug/l
RT: 7.550 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02



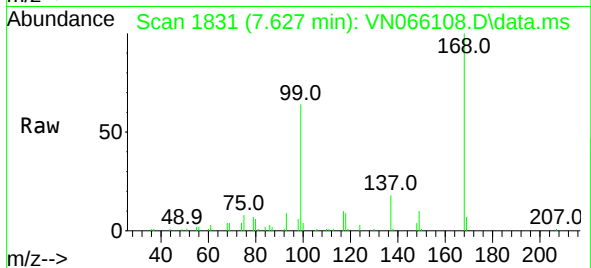
Tgt Ion:113 Resp: 42390
Ion Ratio Lower Upper
113 100
111 104.6 82.2 123.2
192 17.8 15.4 23.0



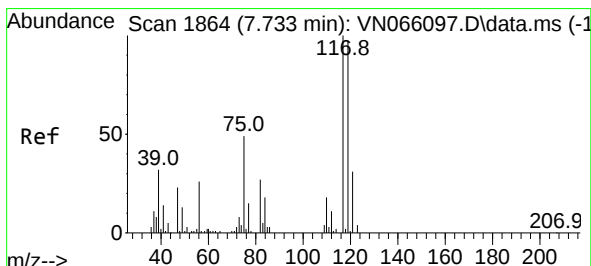
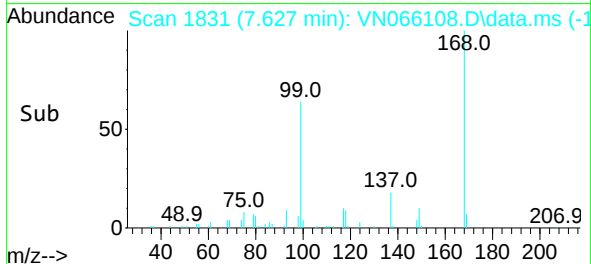
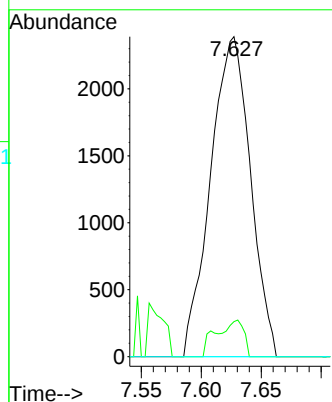


#36
1,1-Dichloropropene
Concen: 4.33 ug/l
RT: 7.627 min Scan# 1831
Delta R.T. -0.126 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Instrument :
MSVOA_N
ClientSampled :

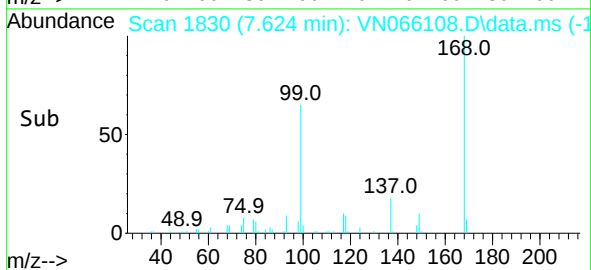
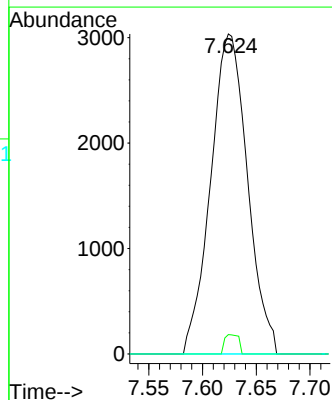
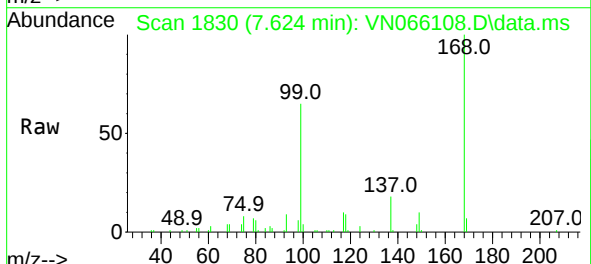


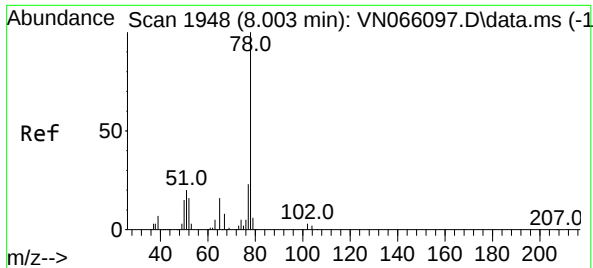
Tgt Ion: 75 Resp: 5524
Ion Ratio Lower Upper
75 100
110 4.7 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.93 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.109 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Tgt Ion: 117 Resp: 7229
Ion Ratio Lower Upper
117 100
119 6.0 76.0 114.0#
121 0.0 24.5 36.7#

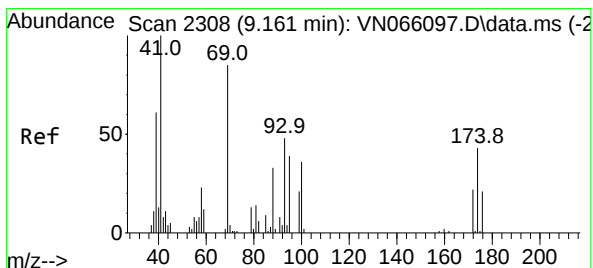
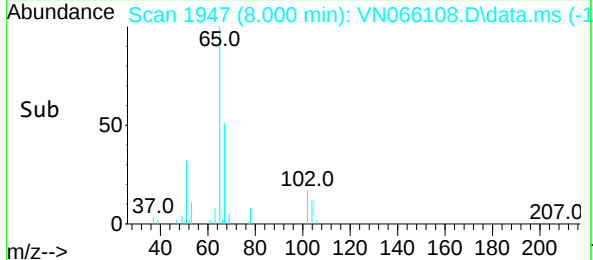
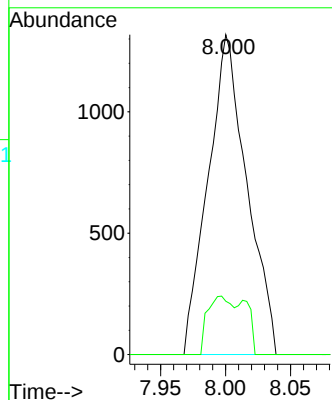
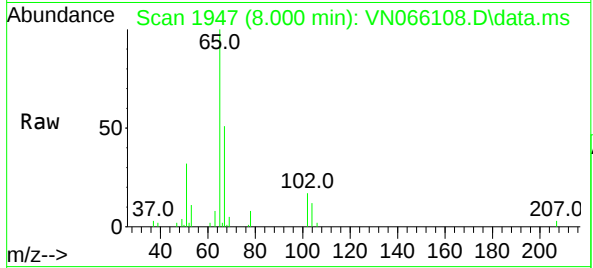




#40
Benzene
Concen: 0.73 ug/l
RT: 8.000 min Scan# 1947
Delta R.T. -0.003 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

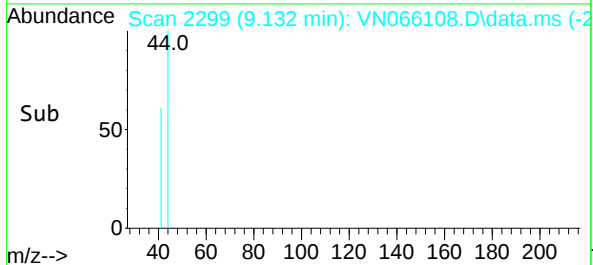
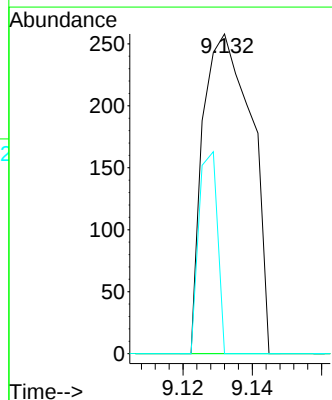
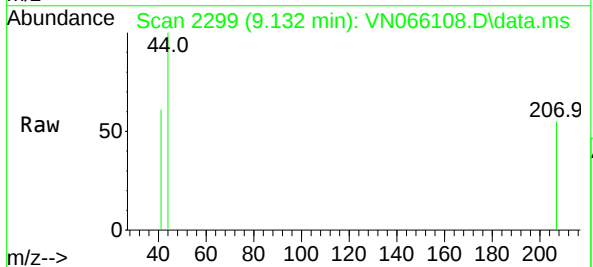
Instrument :
MSVOA_N
ClientSampled :

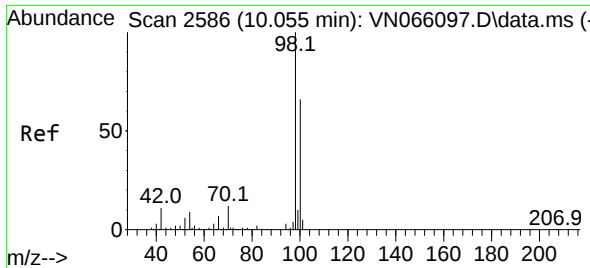
Tgt Ion: 78 Resp: 2734
Ion Ratio Lower Upper
78 100
77 16.7 19.0 28.4#



#48
Methyl methacrylate
Concen: 0.28 ug/l
RT: 9.132 min Scan# 2299
Delta R.T. -0.029 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Tgt Ion: 41 Resp: 250
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 24.4 46.6 69.8#

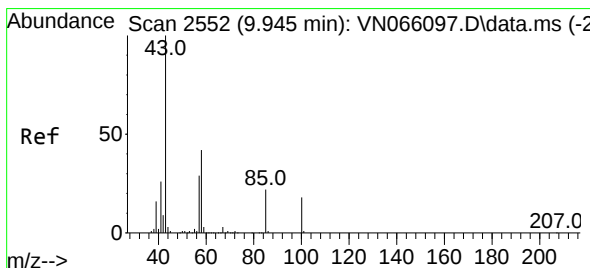
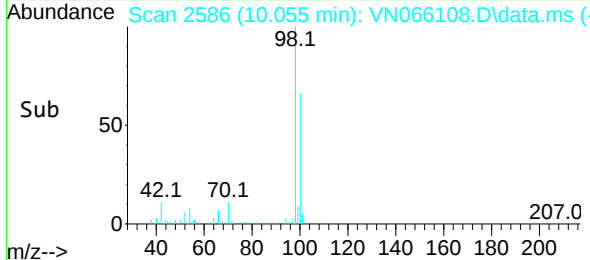
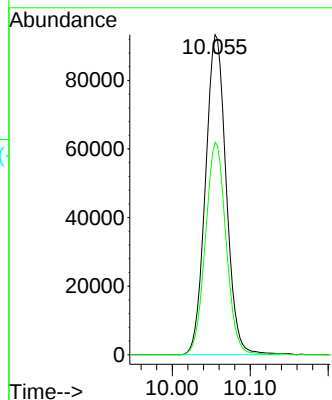
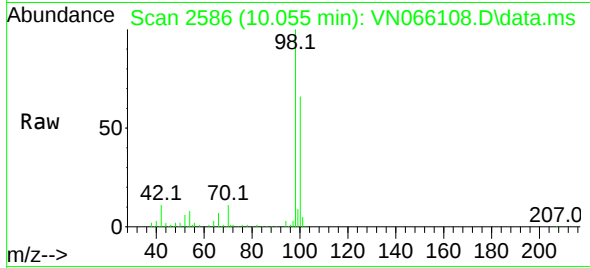




#50
Toluene-d8
Concen: 51.27 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.000 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

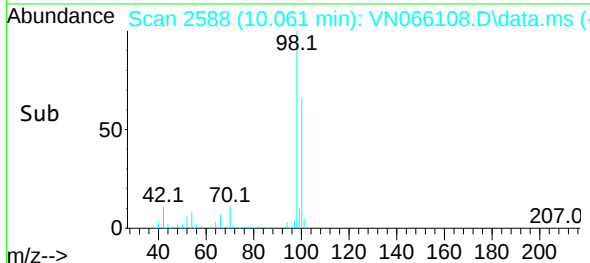
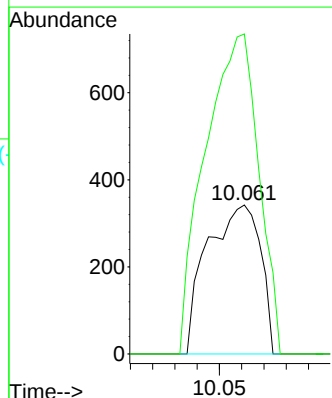
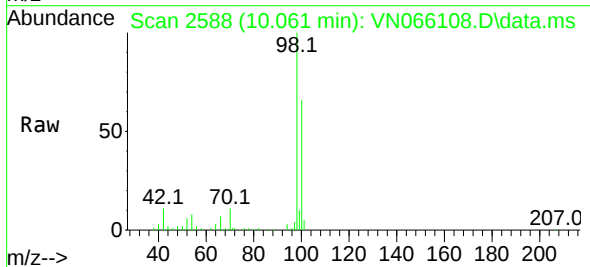
Instrument :
MSVOA_N
ClientSampled :

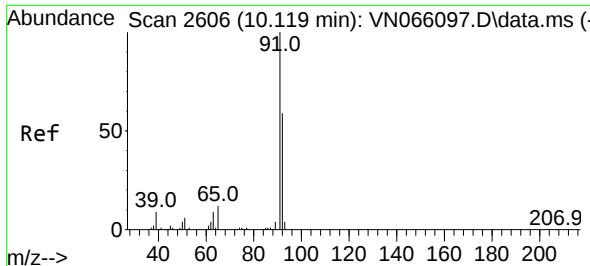
Tgt Ion: 98 Resp: 171691
Ion Ratio Lower Upper
98 100
100 66.3 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.56 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.116 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
58 215.9 32.5 48.7#

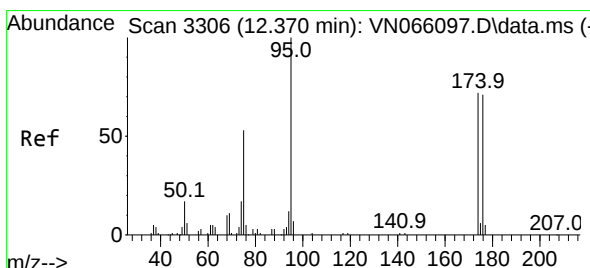
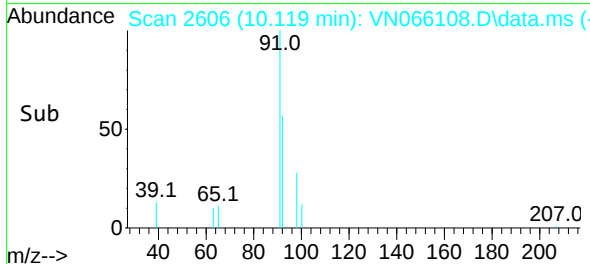
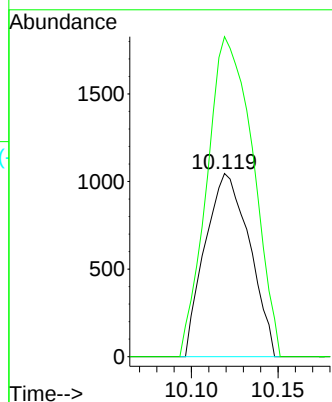
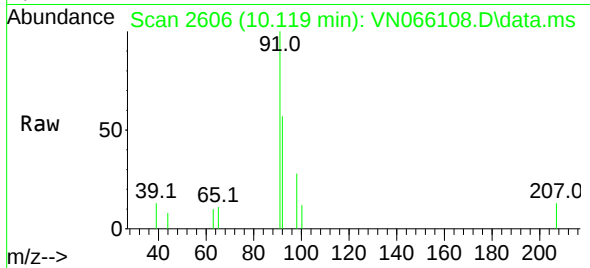




#52
Toluene
Concen: 0.77 ug/l
RT: 10.119 min Scan# 2606
Delta R.T. 0.000 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

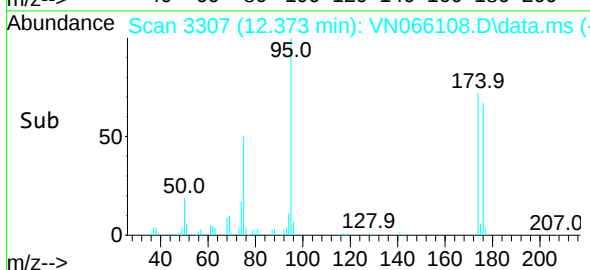
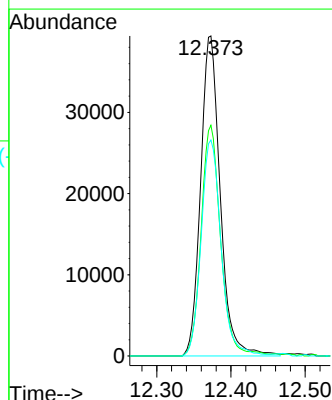
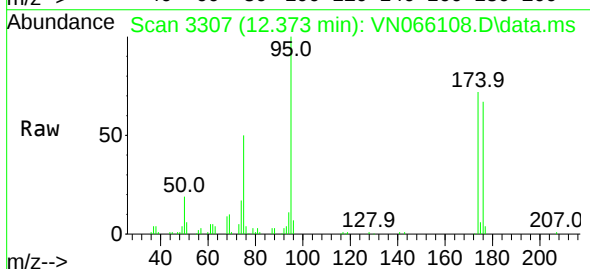
Instrument :
MSVOA_N
ClientSampled :

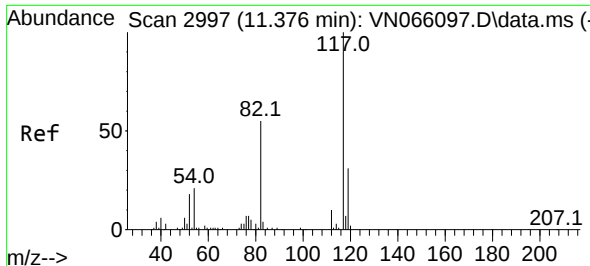
Tgt Ion: 92 Resp: 1868
Ion Ratio Lower Upper
92 100
91 180.2 140.7 211.1



#62
4-Bromofluorobenzene
Concen: 56.12 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.003 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Tgt Ion: 95 Resp: 72381
Ion Ratio Lower Upper
95 100
174 71.5 0.0 169.0
176 68.6 0.0 162.4

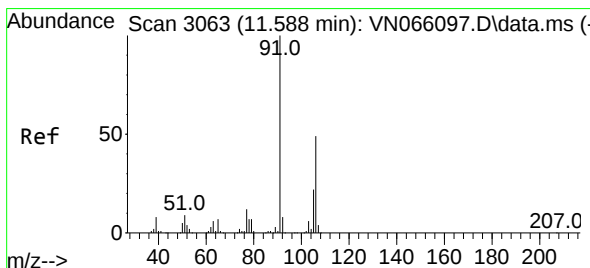
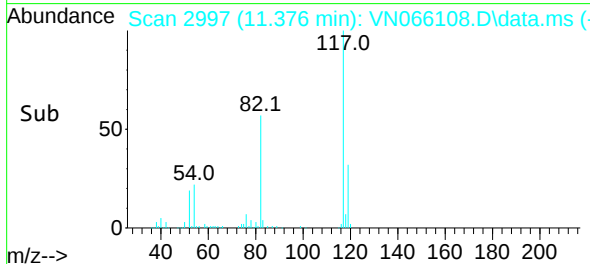
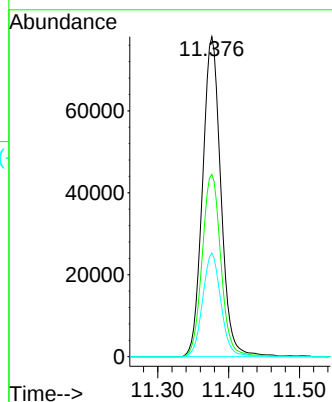
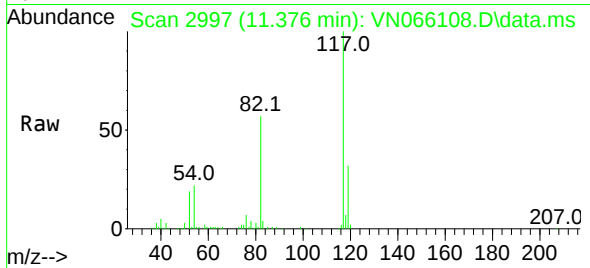




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

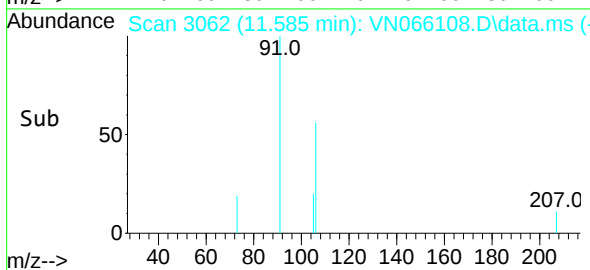
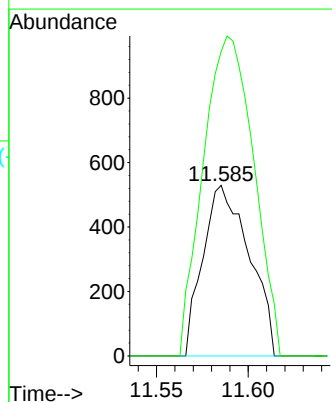
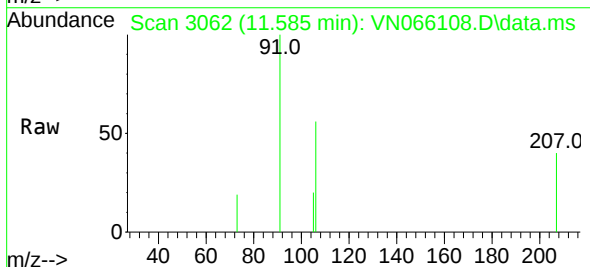
Instrument :
MSVOA_N
ClientSampled :

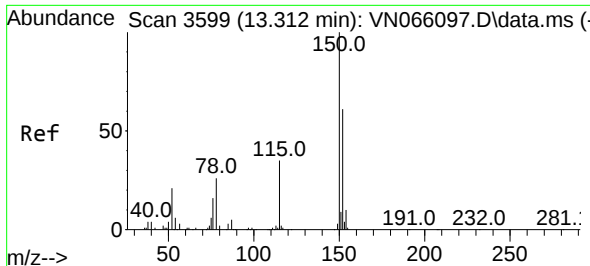
Tgt Ion:117 Resp: 140428
Ion Ratio Lower Upper
117 100
82 56.9 43.7 65.5
119 32.4 26.1 39.1



#68
m/p-Xylenes
Concen: 0.46 ug/l
RT: 11.585 min Scan# 3062
Delta R.T. -0.003 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Tgt Ion:106 Resp: 930
Ion Ratio Lower Upper
106 100
91 204.2 161.4 242.0

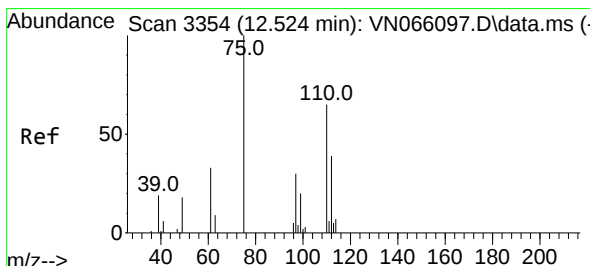
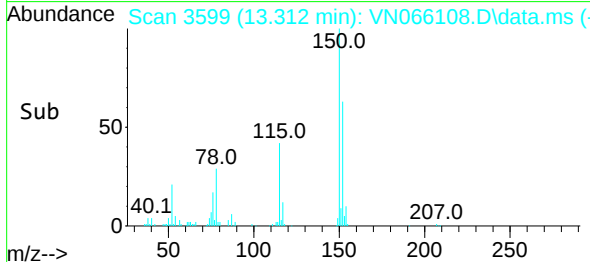
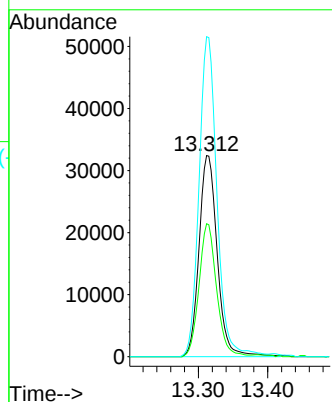
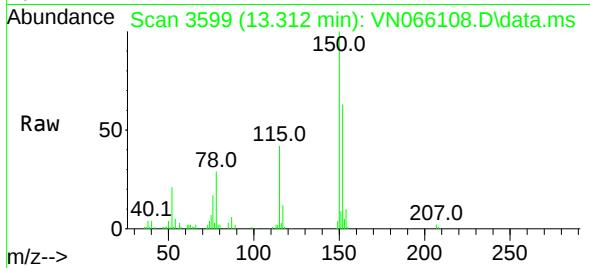




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. -0.000 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

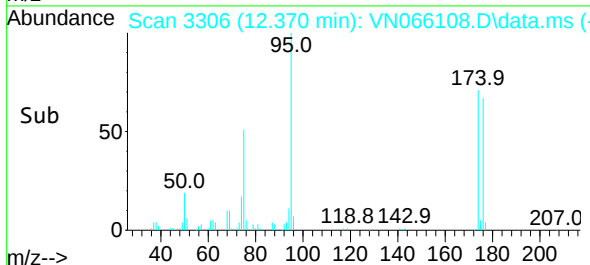
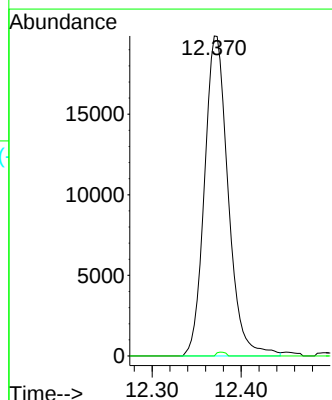
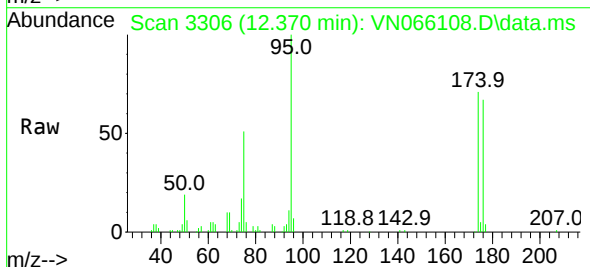
Instrument :
MSVOA_N
ClientSampled :

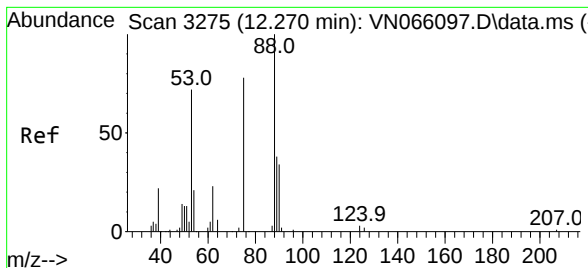
Tgt Ion:152 Resp: 59289
Ion Ratio Lower Upper
152 100
115 63.6 28.5 85.6
150 156.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 27.97 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.154 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

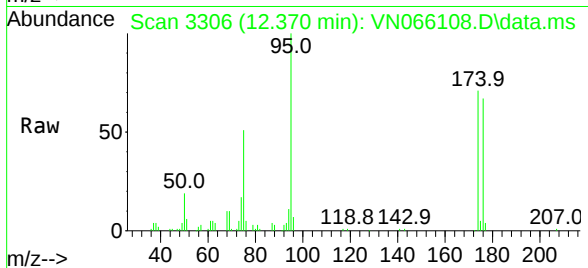
Tgt Ion: 75 Resp: 36612
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#



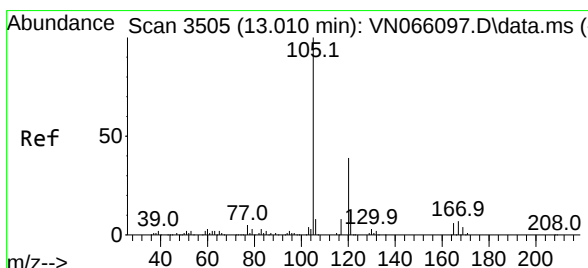
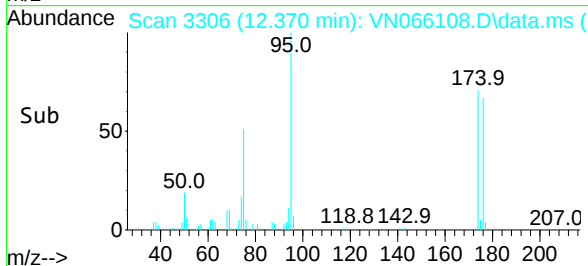
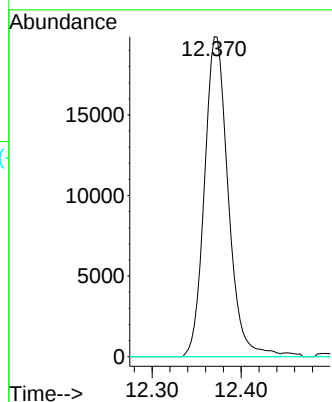


#81
trans-1,4-Dichloro-2-butene
Concen: 82.29 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. 0.100 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Instrument :
MSVOA_N
ClientSampled :

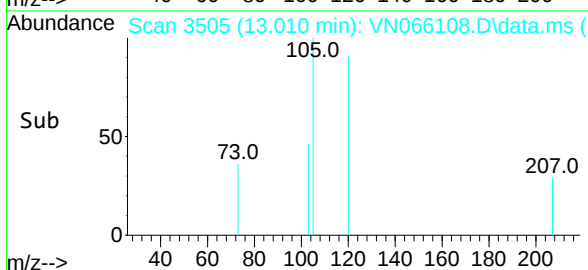
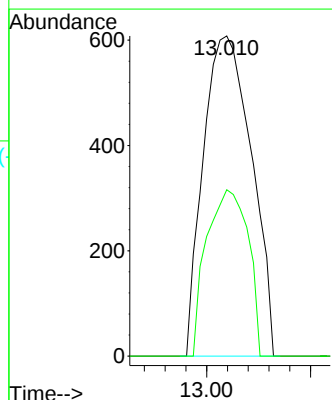
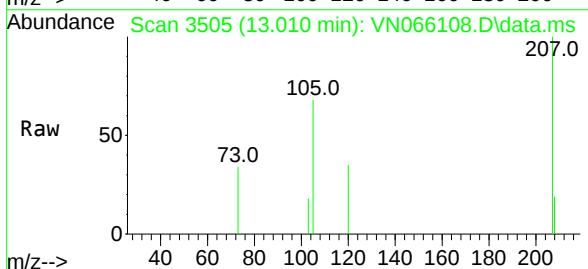


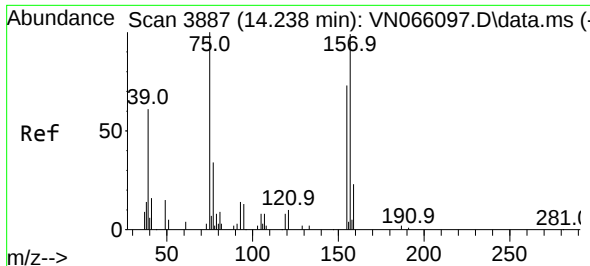
Tgt Ion: 75 Resp: 36612
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.23 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Tgt Ion: 105 Resp: 978
Ion Ratio Lower Upper
105 100
120 44.7 22.4 67.0

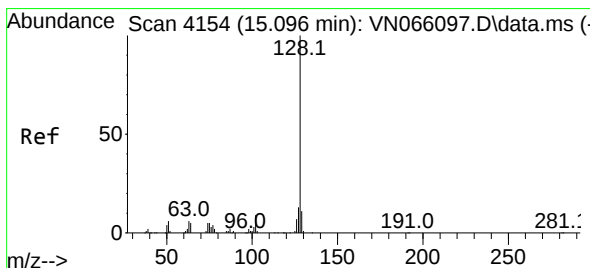
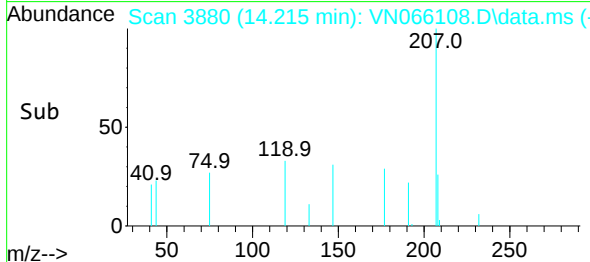
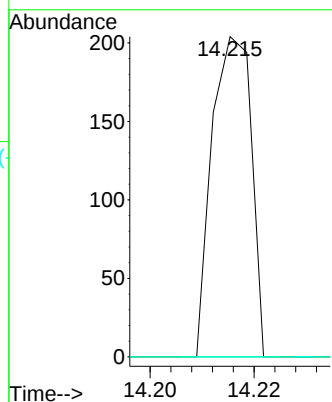
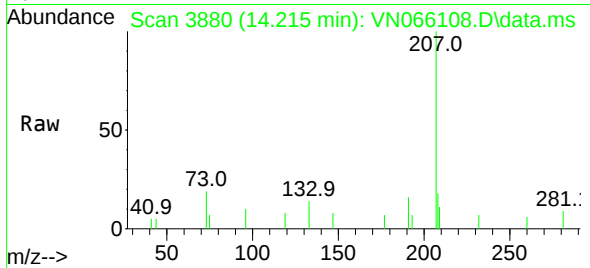




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.215 min Scan# 3880
Delta R.T. -0.023 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 107
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#



#95
Naphthalene
Concen: 0.28 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. 0.004 min
Lab File: VN066108.D
Acq: 2 Mar 2021 19:02

Tgt Ion:128 Resp: 932
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

