

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050621\
 Data File : VN067012.D
 Acq On : 6 May 2021 16:00
 Operator : JC/MD
 Sample : M2275-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 04:08:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.592	168	450557	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.518	114	760115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	671215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	225076	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	385933	54.42	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	108.84%
35) Dibromofluoromethane	7.512	113	274176	53.12	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.24%
50) Toluene-d8	10.030	98	1033906	52.60	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.20%
62) 4-Bromofluorobenzene	12.350	95	257294	38.66	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	77.32%

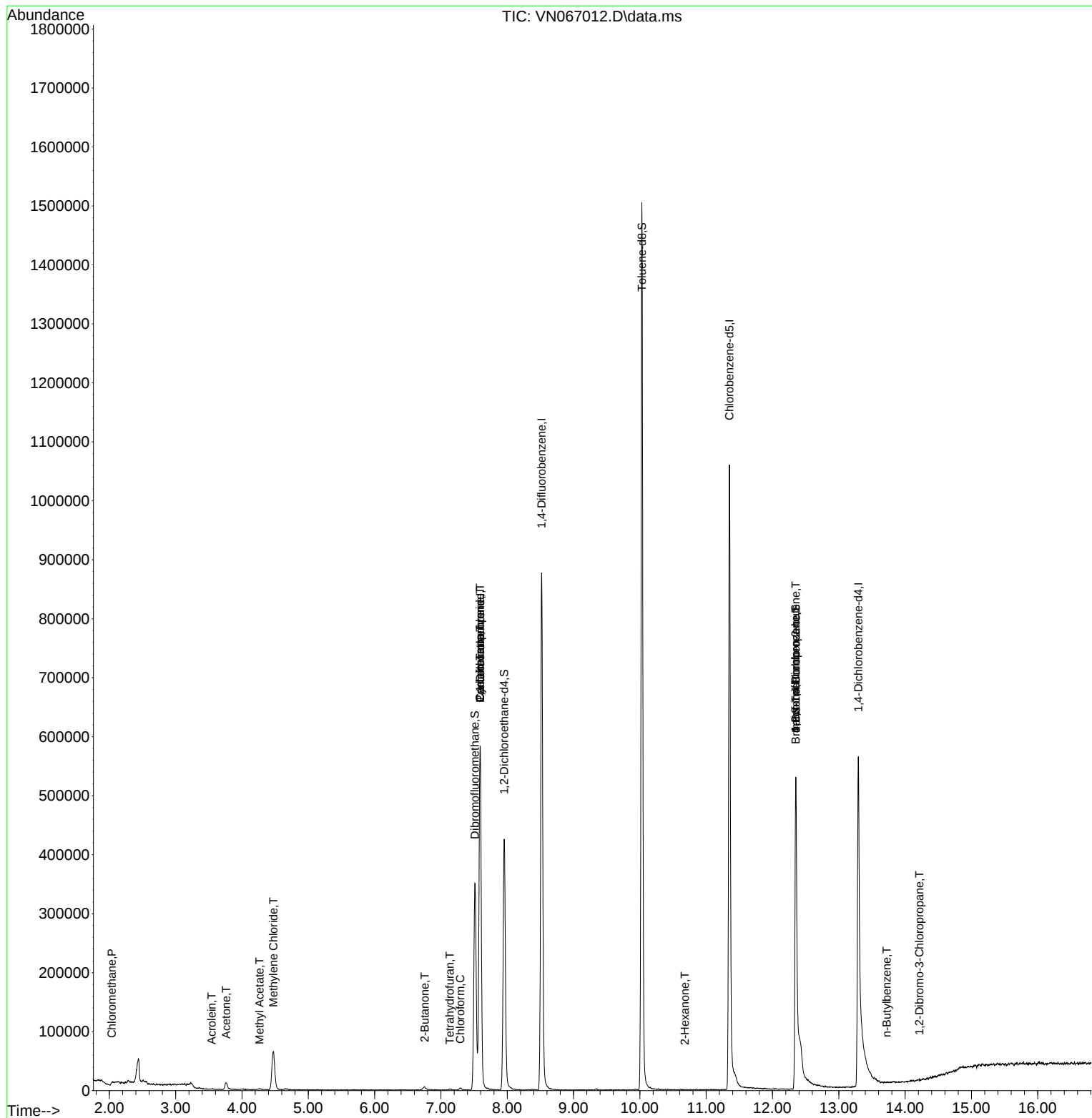
Target Compounds						Qvalue
3) Chloromethane	2.035	50	1747	0.20	ug/l	# 85
13) Acrolein	3.542	56	828	0.99	ug/l	# 74
16) Acetone	3.762	43	19578	7.85	ug/l	92
18) Methyl Acetate	4.264	43	3708	0.52	ug/l	# 78
20) Methylene Chloride	4.473	84	48243	7.62	ug/l	91
25) 2-Butanone	6.755	43	1372	0.37	ug/l	# 82
29) Tetrahydrofuran	7.134	42	1055	0.43	ug/l	# 51
30) Chloroform	7.292	83	4178	0.38	ug/l	98
31) Cyclohexane	7.590	56	10613	1.06	ug/l	# 3
36) 1,1-Dichloropropene	7.590	75	38986	4.92	ug/l	# 49
38) Carbon Tetrachloride	7.590	117	46805	5.67	ug/l	# 17
59) 2-Hexanone	10.677	43	52	28.37	ug/l	# 23
71) Bromoform	12.347	173	2126	0.53	ug/l	# 1
76) 1,2,3-Trichloropropane	12.350	75	125750	23.45	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.350	75	125750	70.92	ug/l	# 12
89) n-Butylbenzene	13.723	91	52	5.24	ug/l	# 34
92) 1,2-Dibromo-3-Chloropr...	14.217	75	355	0.33	ug/l	# 1

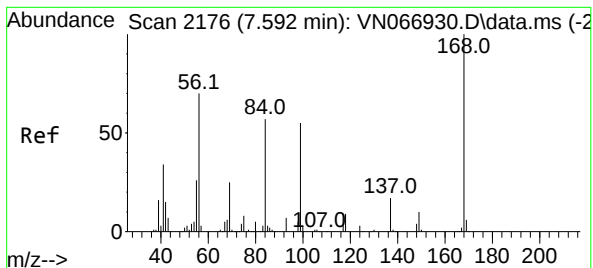
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



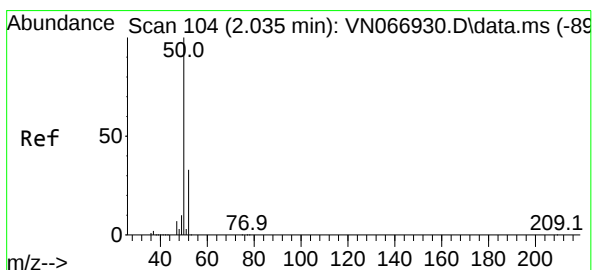
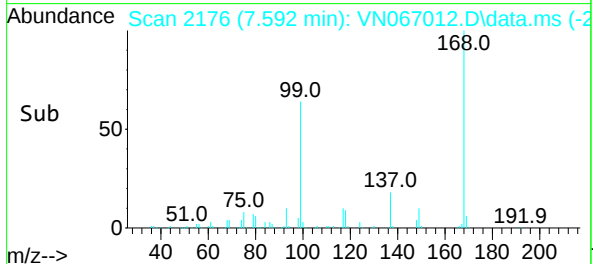
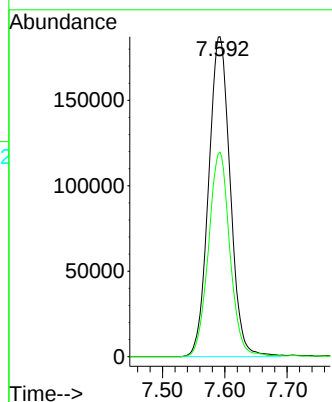
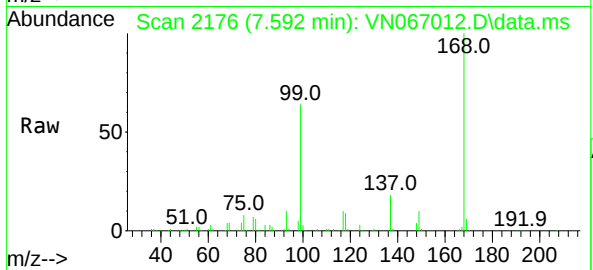


#1

Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

Instrument :
MSVOA_N
ClientSampleId :

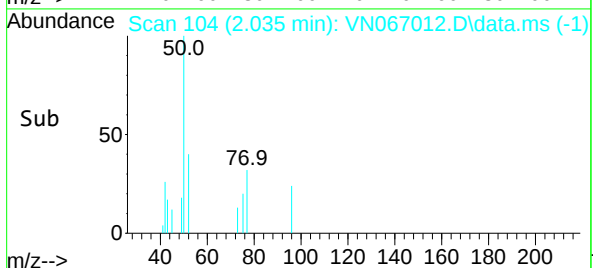
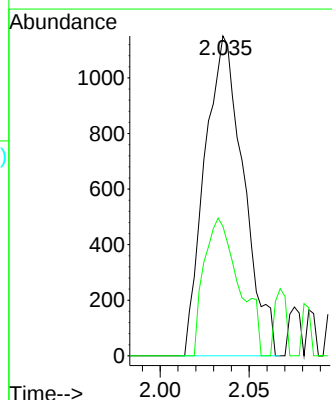
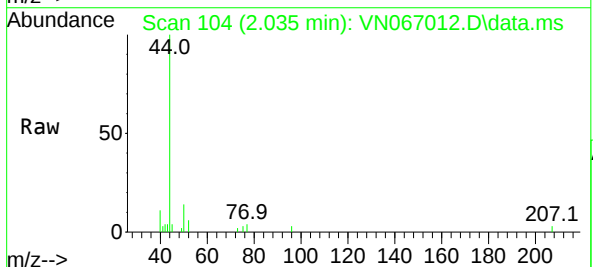
Tgt Ion:168 Resp: 450557
Ion Ratio Lower Upper
168 100
99 63.9 42.6 63.8#

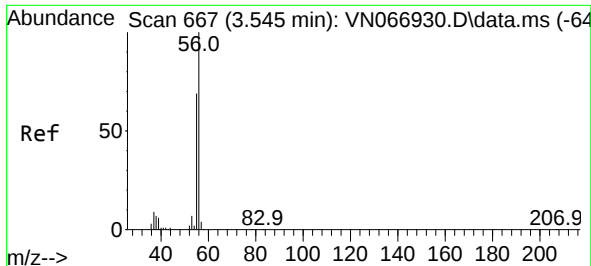


#3

Chloromethane
Concen: 0.20 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

Tgt Ion: 50 Resp: 1747
Ion Ratio Lower Upper
50 100
52 40.5 25.8 38.8#

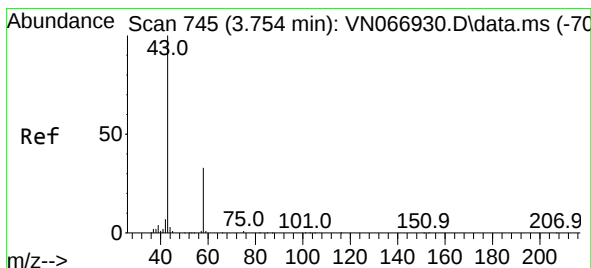
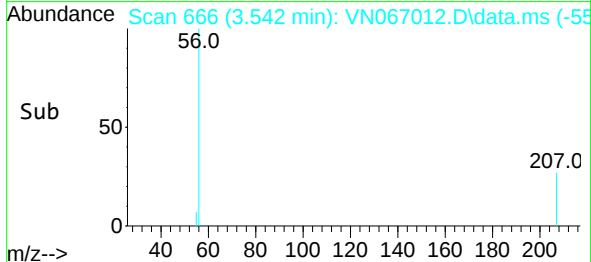
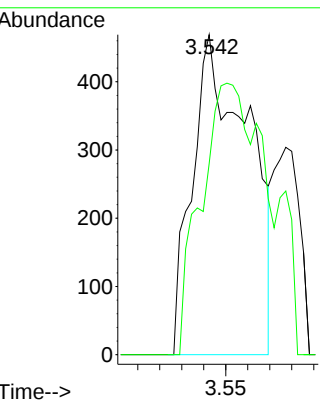
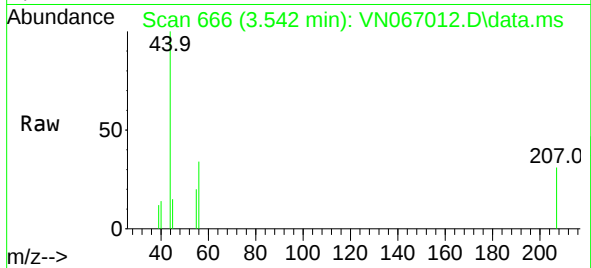




#13
Acrolein
Concen: 0.99 ug/l
RT: 3.542 min Scan# 666
Delta R.T. -0.003 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

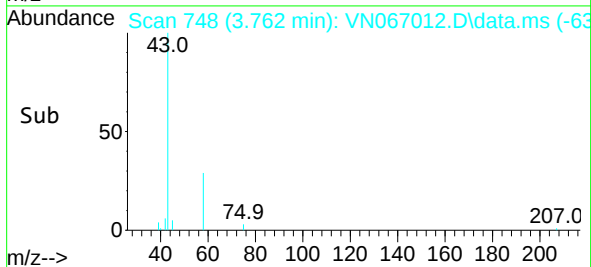
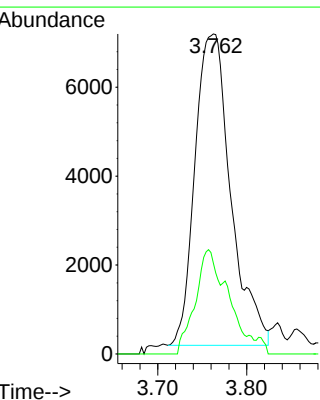
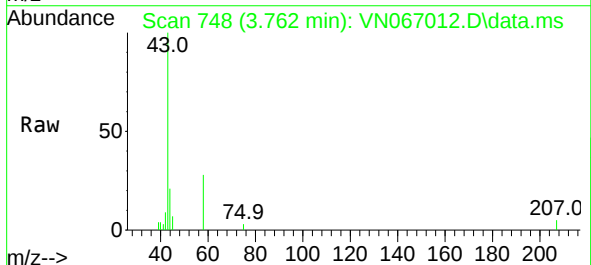
Instrument :
MSVOA_N
ClientSampled :

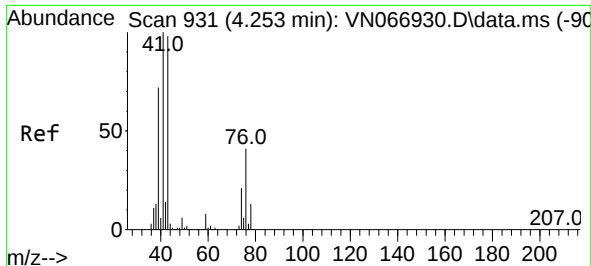
Tgt Ion: 56 Resp: 828
Ion Ratio Lower Upper
56 100
55 91.3 56.0 84.0#



#16
Acetone
Concen: 7.85 ug/l
RT: 3.762 min Scan# 748
Delta R.T. 0.008 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

Tgt Ion: 43 Resp: 19578
Ion Ratio Lower Upper
43 100
58 29.3 27.0 40.6





#18

Methyl Acetate

Concen: 0.52 ug/l

RT: 4.264 min Scan# 935

Delta R.T. 0.011 min

Lab File: VN067012.D

Acq: 6 May 2021 16:00

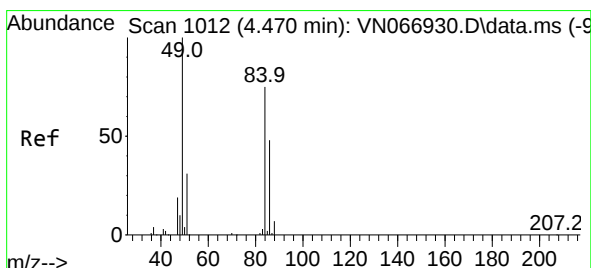
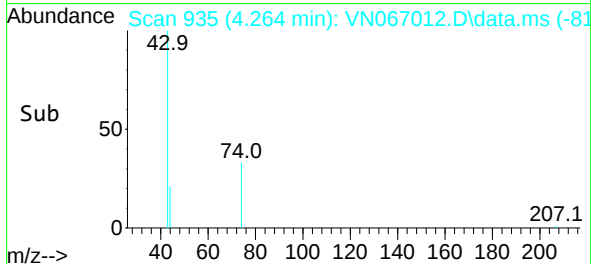
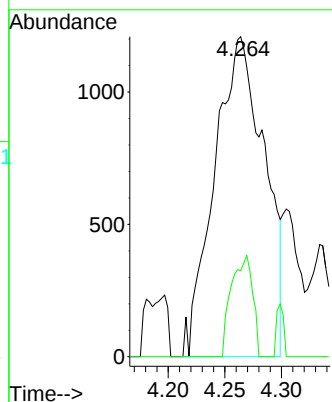
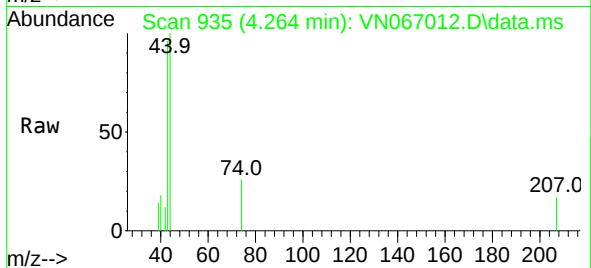
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 3708

Ion Ratio Lower Upper

43 100

74 13.4 19.5 29.3#



#20

Methylene Chloride

Concen: 7.62 ug/l

RT: 4.473 min Scan# 1013

Delta R.T. 0.003 min

Lab File: VN067012.D

Acq: 6 May 2021 16:00

Tgt Ion: 84 Resp: 48243

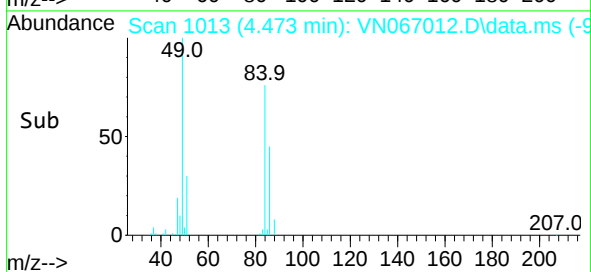
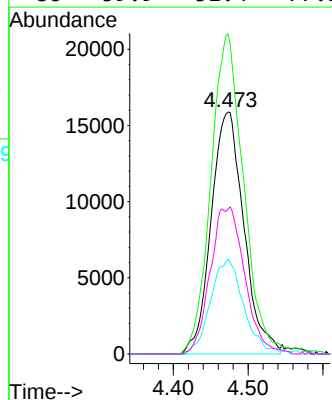
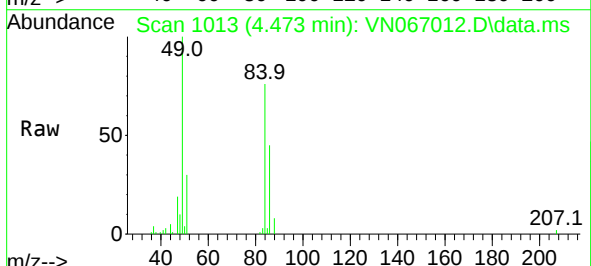
Ion Ratio Lower Upper

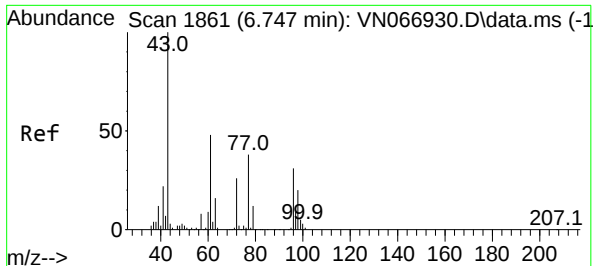
84 100

49 132.3 94.6 141.8

51 39.1 29.9 44.9

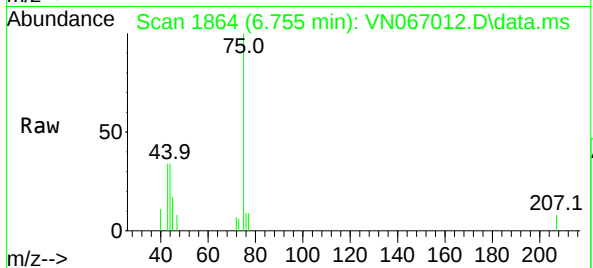
86 59.9 51.4 77.2



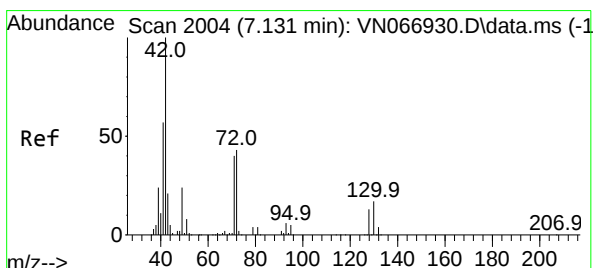
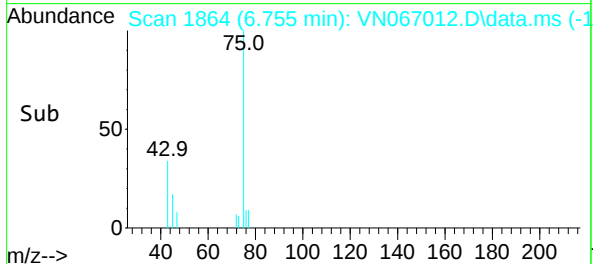
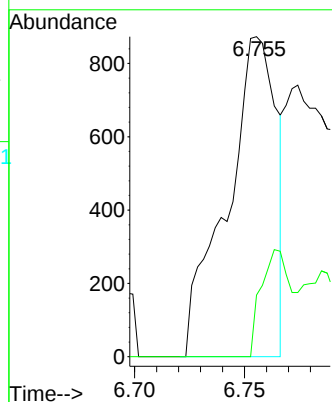


#25
2-Butanone
Concen: 0.37 ug/l
RT: 6.755 min Scan# 1864
Delta R.T. 0.008 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

Instrument :
MSVOA_N
ClientSampled :

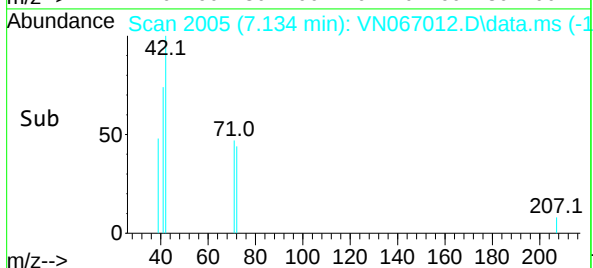
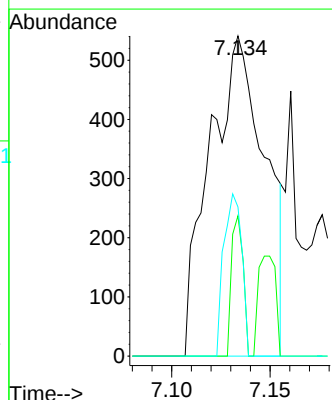
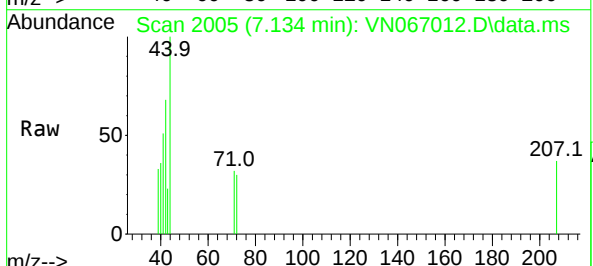


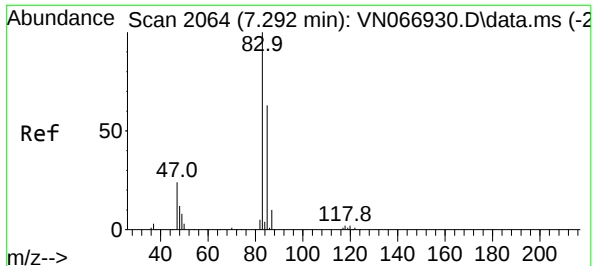
Tgt Ion: 43 Resp: 1372
Ion Ratio Lower Upper
43 100
72 19.2 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.43 ug/l
RT: 7.134 min Scan# 2005
Delta R.T. 0.003 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

Tgt Ion: 42 Resp: 1055
Ion Ratio Lower Upper
42 100
72 9.2 36.6 55.0#
71 16.5 34.3 51.5#





#30

Chloroform

Concen: 0.38 ug/l

RT: 7.292 min Scan# 2064

Delta R.T. -0.000 min

Lab File: VN067012.D

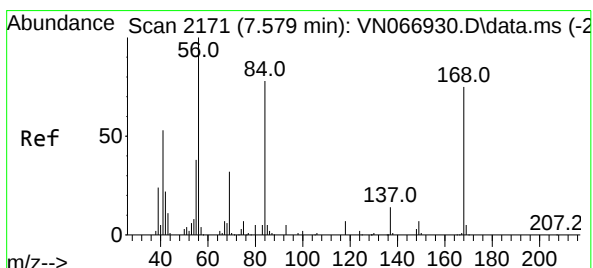
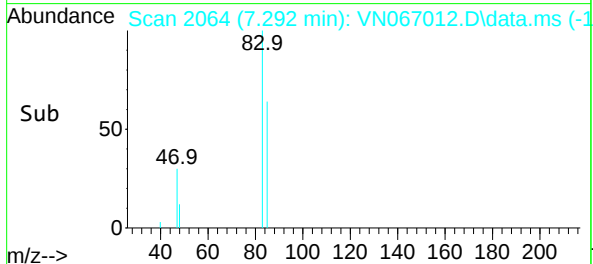
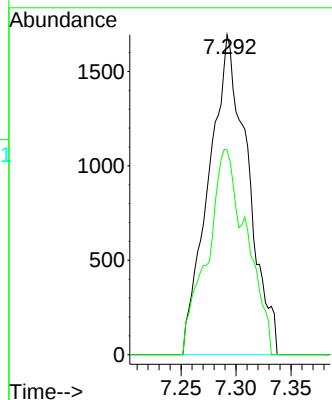
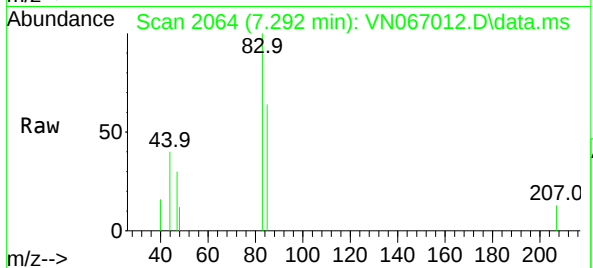
Acq: 6 May 2021 16:00

Tgt Ion: 83 Resp: 4178

Ion Ratio Lower Upper

83 100

85 64.0 52.6 78.8



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 7.590 min Scan# 2175

Delta R.T. 0.011 min

Lab File: VN067012.D

Acq: 6 May 2021 16:00

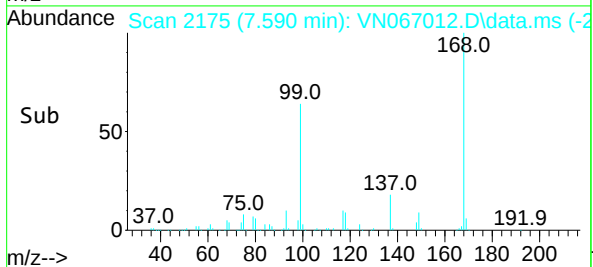
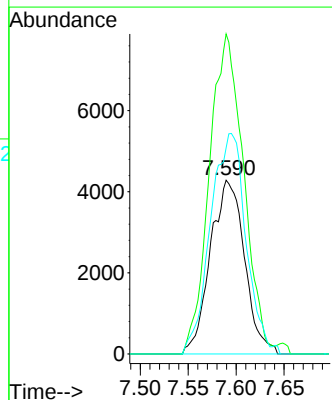
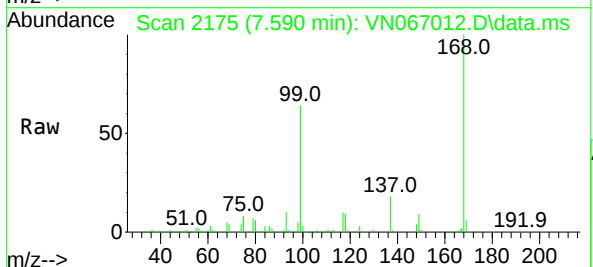
Tgt Ion: 56 Resp: 10613

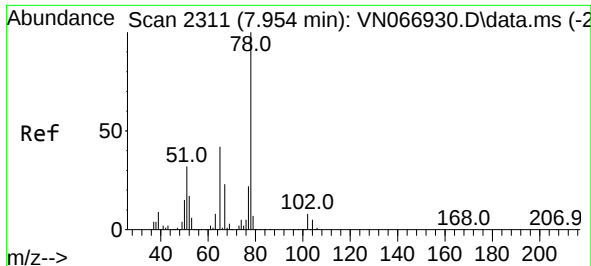
Ion Ratio Lower Upper

56 100

69 184.2 26.6 39.8#

84 118.6 70.4 105.6#

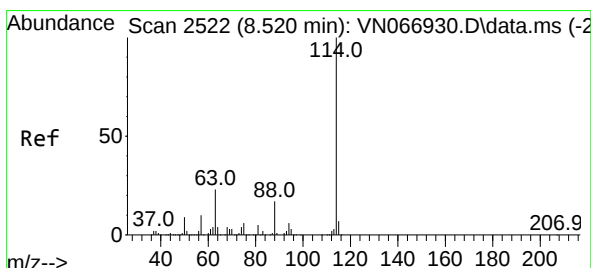
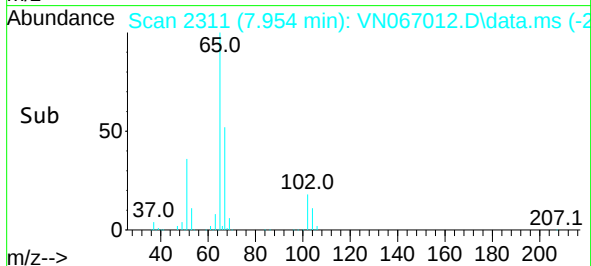
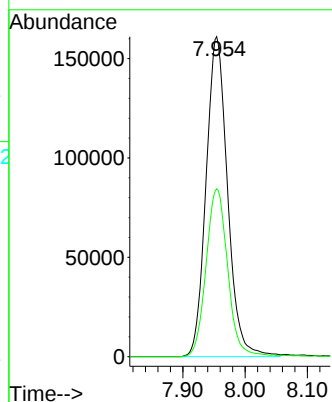
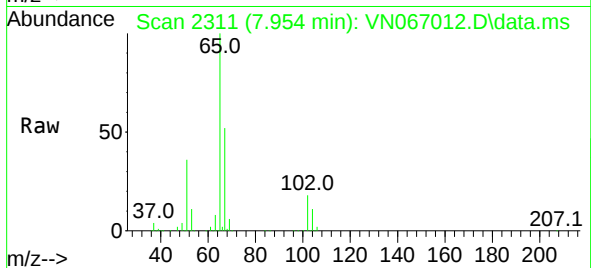




#33
1,2-Dichloroethane-d4
Concen: 54.42 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

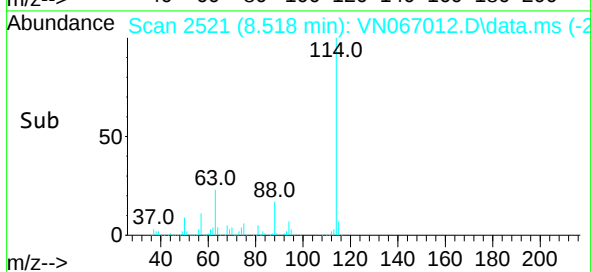
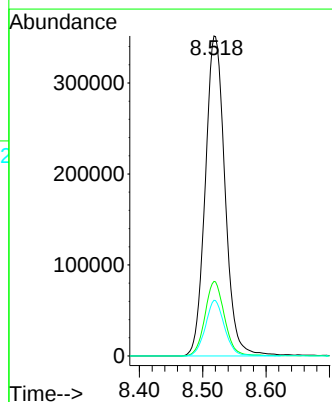
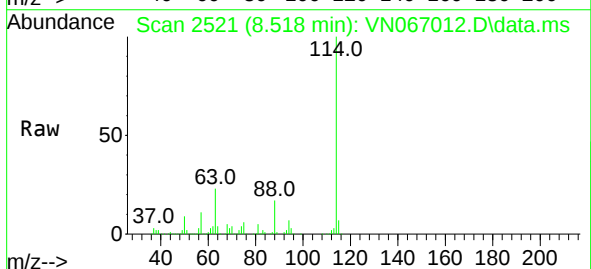
Instrument :
MSVOA_N
ClientSampleId :

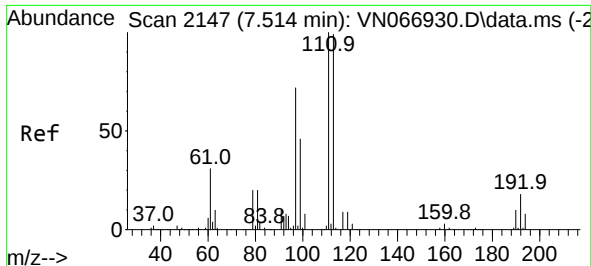
Tgt Ion: 65 Resp: 385933
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.518 min Scan# 2521
Delta R.T. -0.002 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

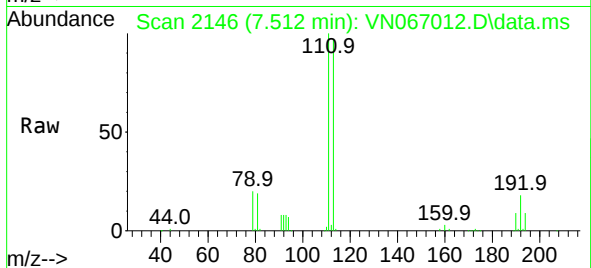
Tgt Ion: 114 Resp: 760115
Ion Ratio Lower Upper
114 100
63 23.3 0.0 38.6
88 17.4 0.0 30.6



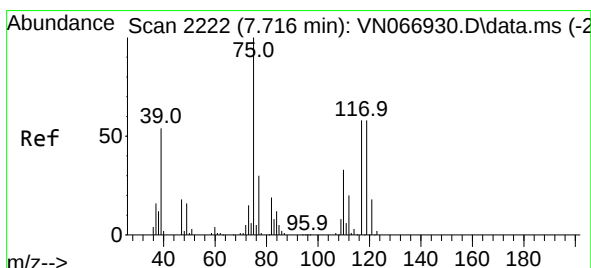
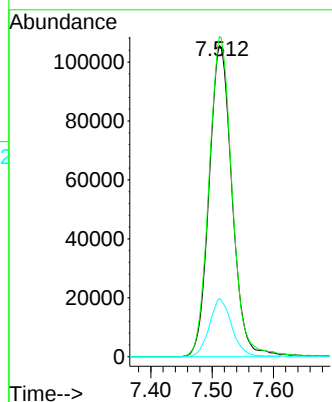
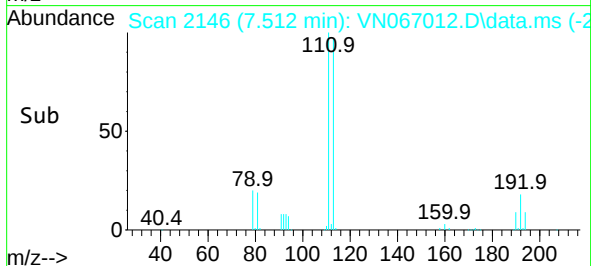


#35
Dibromofluoromethane
Concen: 53.12 ug/l
RT: 7.512 min Scan# 2146
Delta R.T. -0.002 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

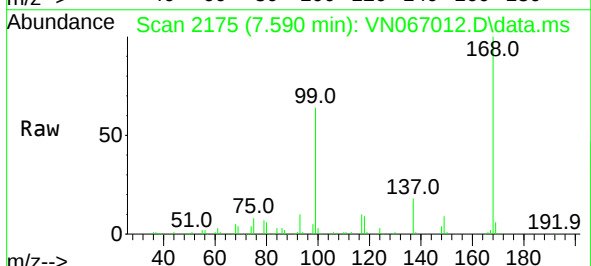
Instrument :
MSVOA_N
ClientSampled :



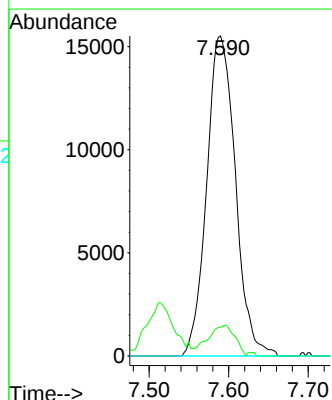
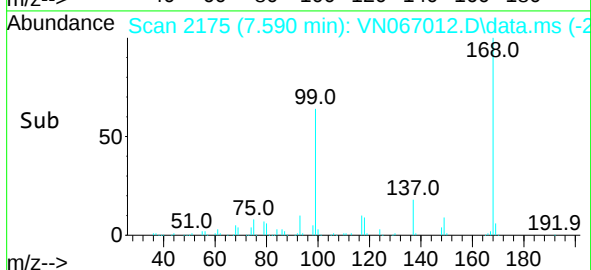
Tgt Ion:113 Resp: 274176
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.2
192 18.2 15.4 23.0

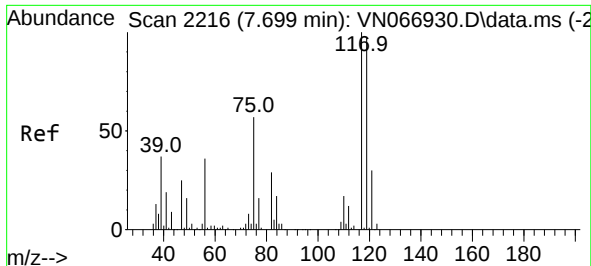


#36
1,1-Dichloropropene
Concen: 4.92 ug/l
RT: 7.590 min Scan# 2175
Delta R.T. -0.126 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00



Tgt Ion: 75 Resp: 38986
Ion Ratio Lower Upper
75 100
110 9.0 18.2 54.6#
77 0.0 24.9 37.3#

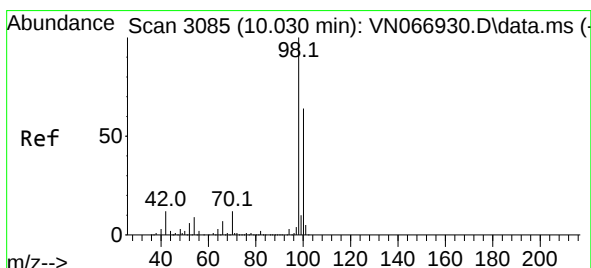
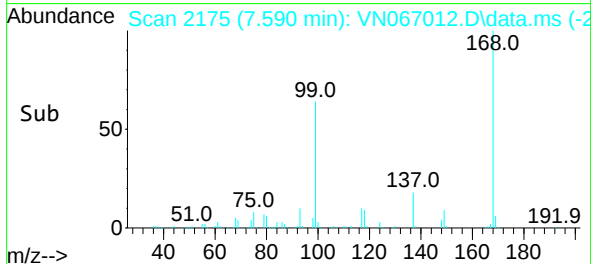
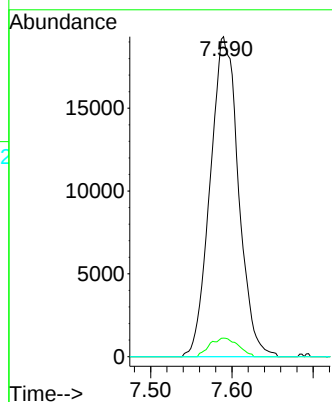
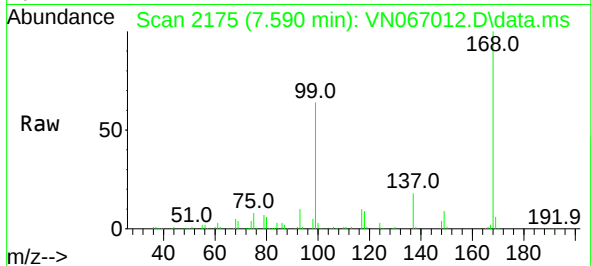




#38
Carbon Tetrachloride
Concen: 5.67 ug/l
RT: 7.590 min Scan# 2175
Delta R.T. -0.109 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

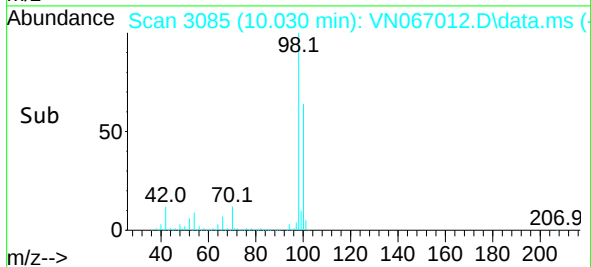
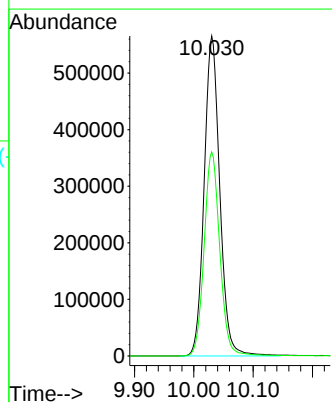
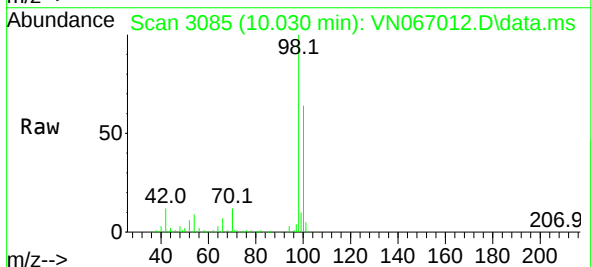
Instrument :
MSVOA_N
ClientSampleId :

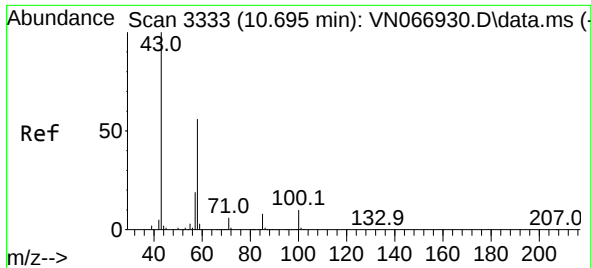
Tgt Ion:117 Resp: 46805
Ion Ratio Lower Upper
117 100
119 5.8 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 52.60 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

Tgt Ion: 98 Resp: 1033906
Ion Ratio Lower Upper
98 100
100 63.9 50.5 75.7

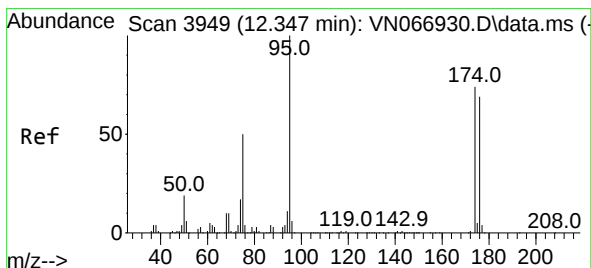
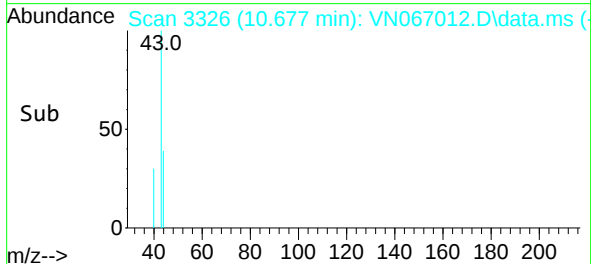
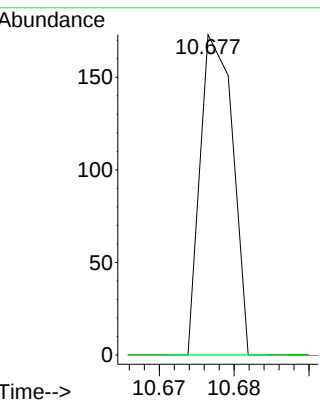
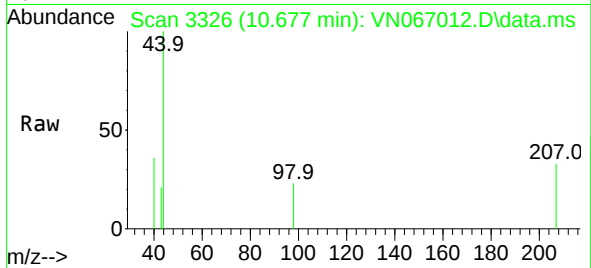




#59
2-Hexanone
Concen: 28.37 ug/l
RT: 10.677 min Scan# 3326
Delta R.T. -0.018 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

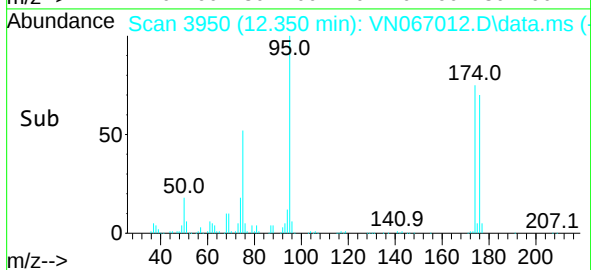
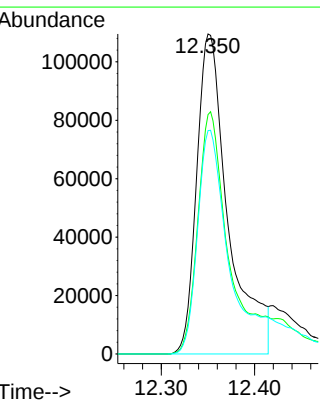
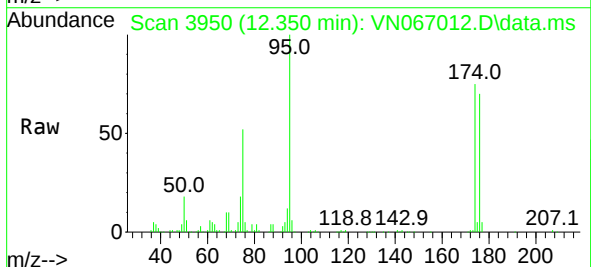
Instrument :
MSVOA_N
ClientSampleId :

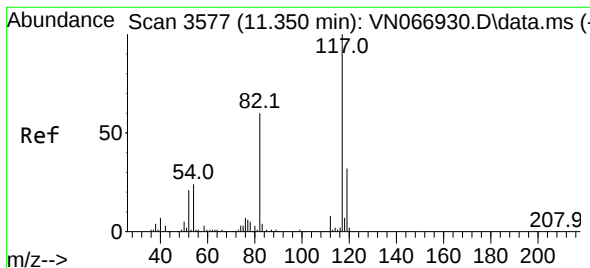
Tgt Ion: 43 Resp: 52
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 38.66 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

Tgt Ion: 95 Resp: 257294
Ion Ratio Lower Upper
95 100
174 75.0 0.0 169.0
176 79.9 0.0 162.4

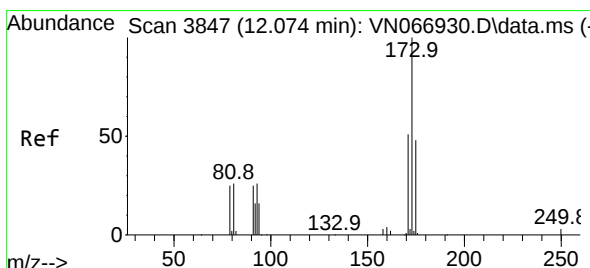
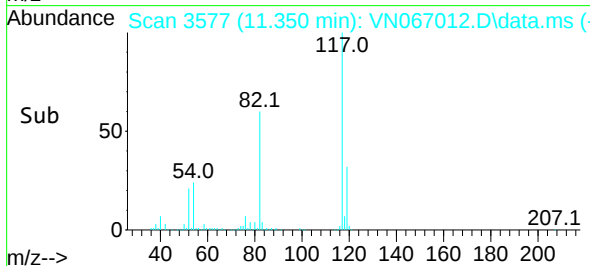
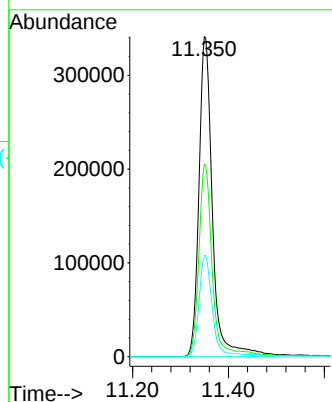
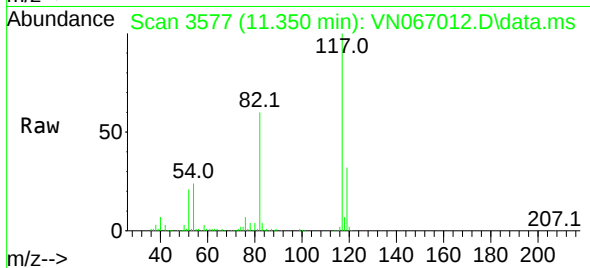




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

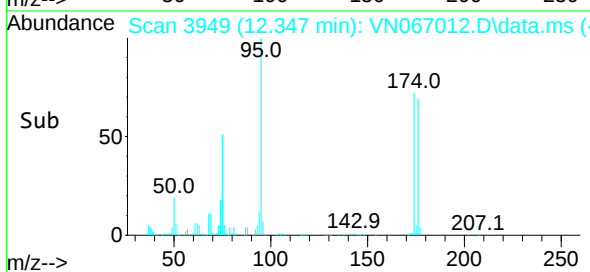
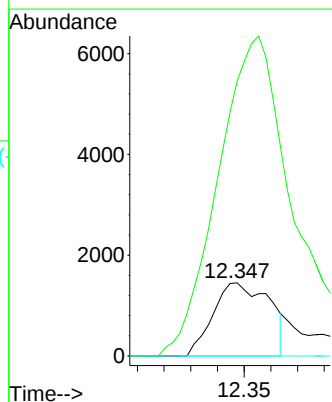
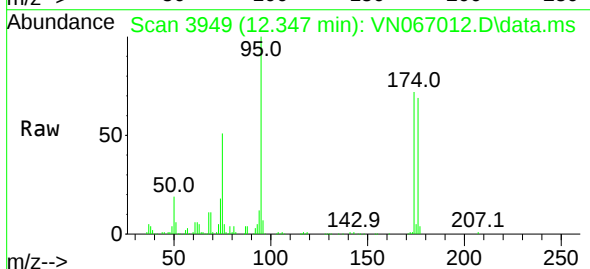
Instrument :
MSVOA_N
ClientSampled :

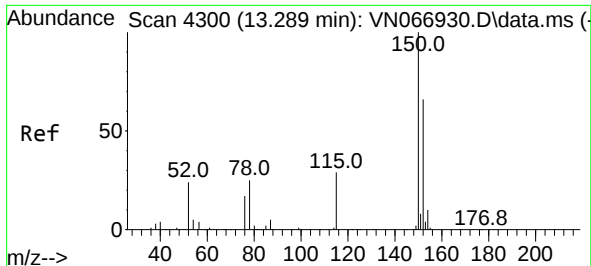
Tgt Ion:117 Resp: 671215
Ion Ratio Lower Upper
117 100
82 60.1 43.7 65.5
119 31.7 26.1 39.1



#71
Bromoform
Concen: 0.53 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.273 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

Tgt Ion:173 Resp: 2126
Ion Ratio Lower Upper
173 100
175 445.3 23.8 71.2#
254 0.0 0.0 0.0

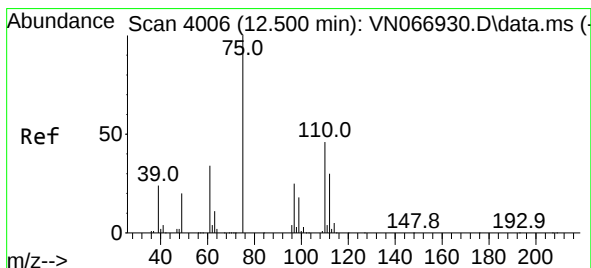
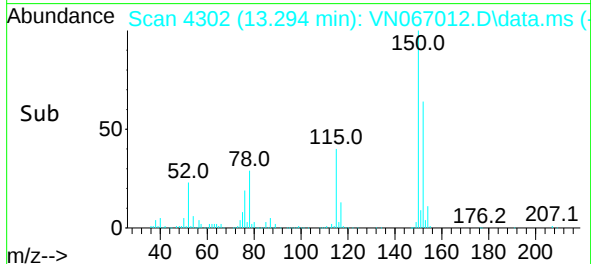
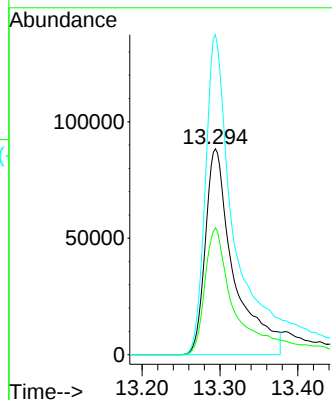
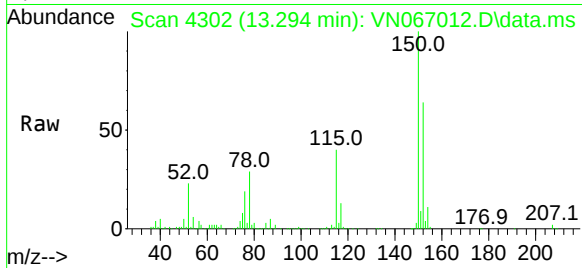




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.294 min Scan# 4302
 Delta R.T. 0.005 min
 Lab File: VN067012.D
 Acq: 6 May 2021 16:00

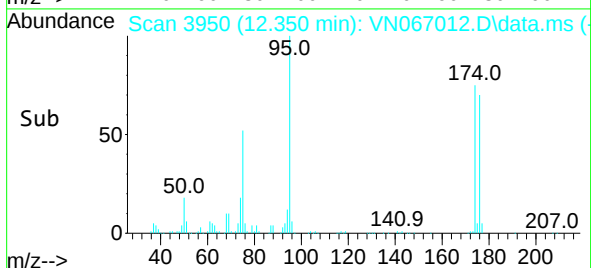
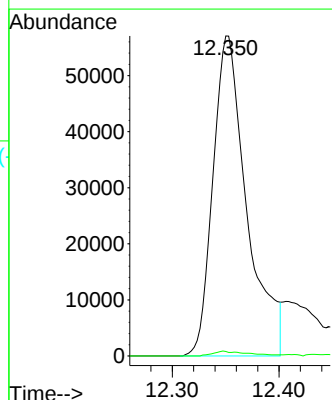
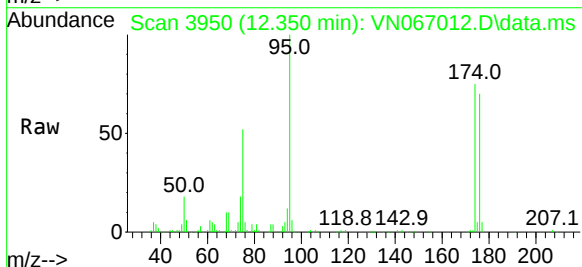
Instrument :
 MSVOA_N
 ClientSampleId :

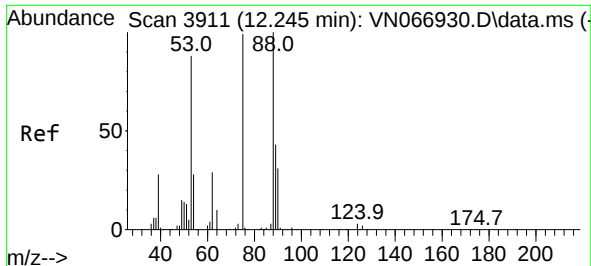
Tgt Ion:152 Resp: 225076
 Ion Ratio Lower Upper
 152 100
 115 69.1 28.5 85.6
 150 173.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 23.45 ug/l
 RT: 12.350 min Scan# 3950
 Delta R.T. -0.150 min
 Lab File: VN067012.D
 Acq: 6 May 2021 16:00

Tgt Ion: 75 Resp: 125750
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#

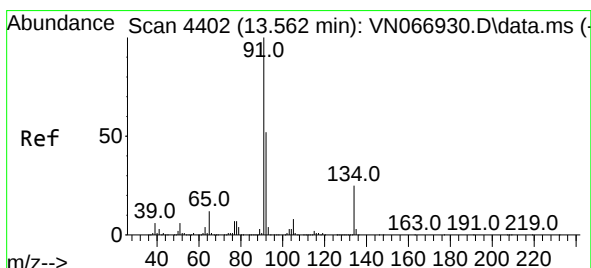
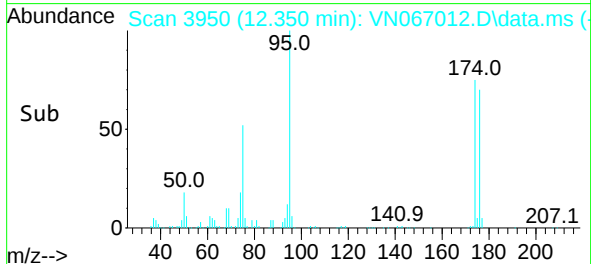
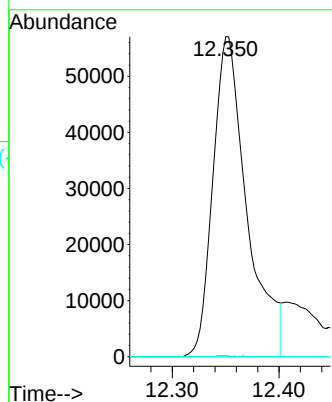
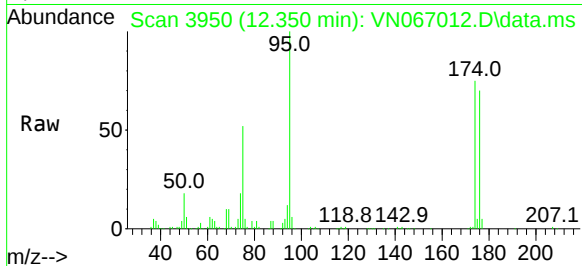




#81
trans-1,4-Dichloro-2-butene
Concen: 70.92 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

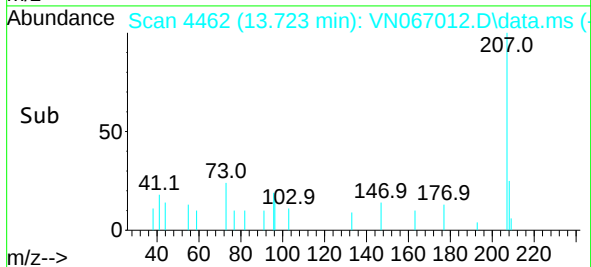
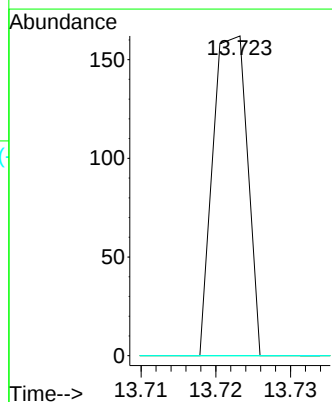
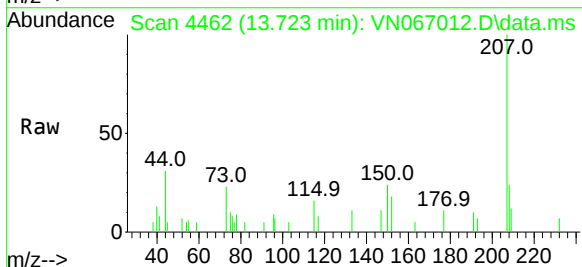
Instrument :
MSVOA_N
ClientSampleId :

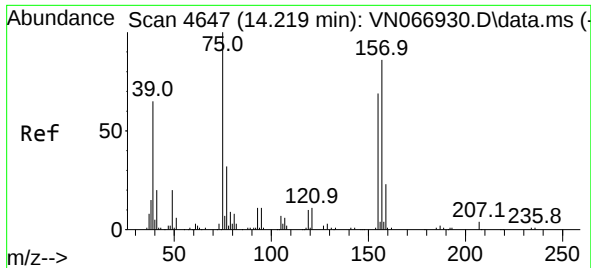
Tgt Ion: 75 Resp: 125750
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.0 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.723 min Scan# 4462
Delta R.T. 0.161 min
Lab File: VN067012.D
Acq: 6 May 2021 16:00

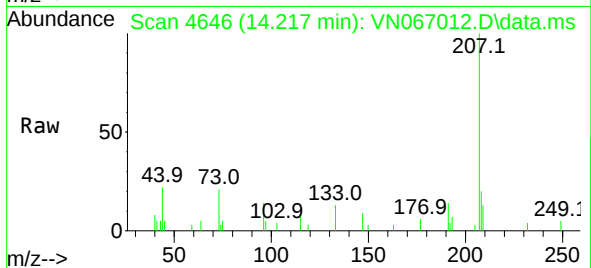
Tgt Ion: 91 Resp: 52
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.33 ug/l
 RT: 14.217 min Scan# 4646
 Delta R.T. -0.002 min
 Lab File: VN067012.D
 Acq: 6 May 2021 16:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 355
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.1 132.4#
 157 0.0 56.0 168.2#

