

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051021\
 Data File : VN067068.D
 Acq On : 10 May 2021 13:33
 Operator : JC/MD
 Sample : VN0510WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 11 01:45:48 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)

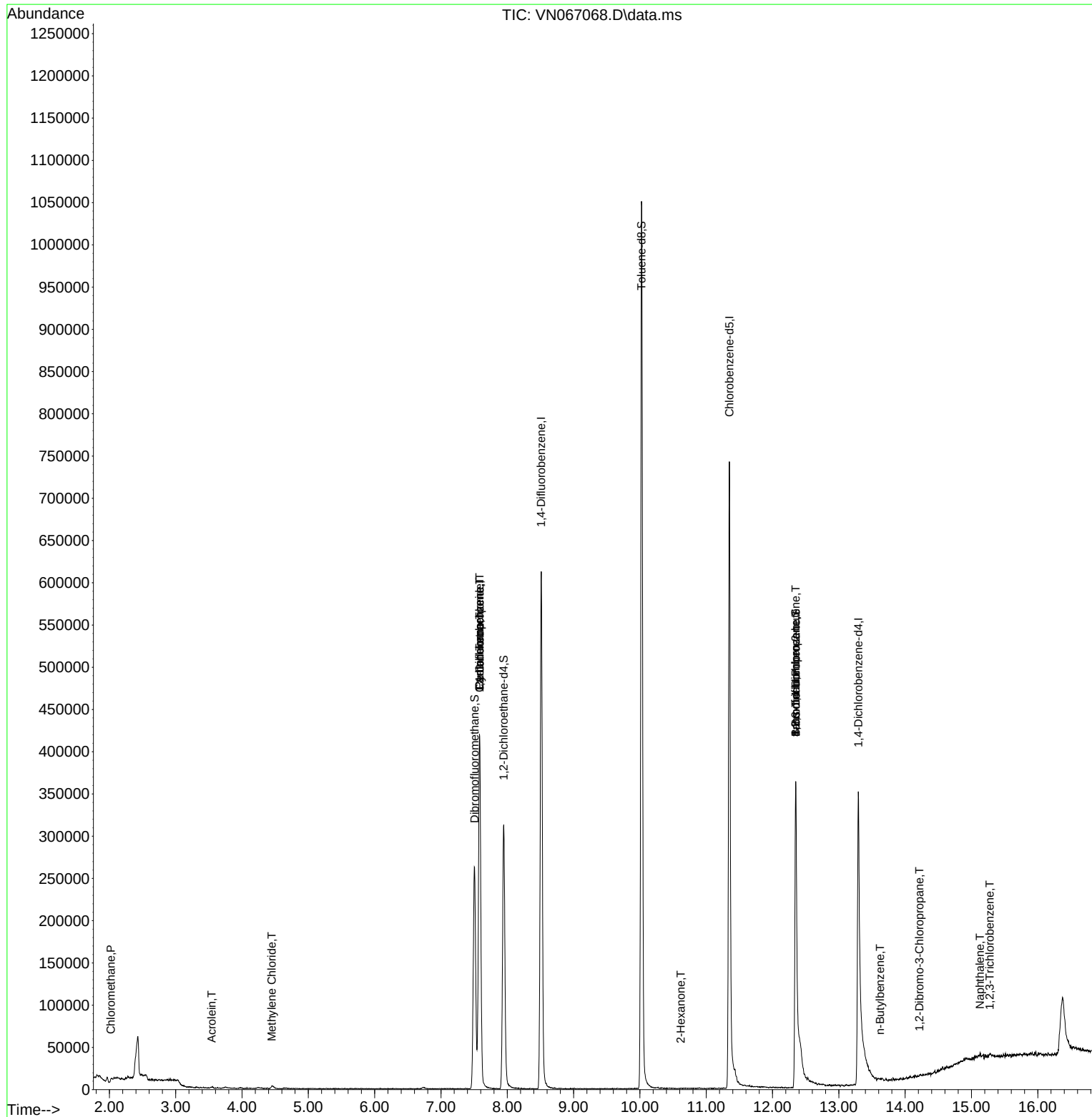
Internal Standards						
1) Pentafluorobenzene	7.581	168	329662	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.512	114	545925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	467686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	158600	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	288401	55.58	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	111.16%
35) Dibromofluoromethane	7.506	113	205914	55.55	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	111.10%
50) Toluene-d8	10.025	98	751694	53.24	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.48%
62) 4-Bromofluorobenzene	12.350	95	204493	42.78	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	85.56%
Target Compounds						
					Qvalue	
3) Chloromethane	2.022	50	2640	0.41	ug/l #	85
13) Acrolein	3.540	56	833	1.37	ug/l #	77
20) Methylene Chloride	4.449	84	981	0.21	ug/l #	88
31) Cyclohexane	7.581	56	7658	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.584	75	27585	4.85	ug/l #	44
38) Carbon Tetrachloride	7.584	117	34774	5.87	ug/l #	17
59) 2-Hexanone	10.617	43	128	28.39	ug/l #	23
71) Bromoform	12.350	173	1125	0.40	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	86372	22.86	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	86372	69.27	ug/l #	12
89) n-Butylbenzene	13.621	91	203	5.26	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.214	75	337	0.44	ug/l #	1
95) Naphthalene	15.128	128	3364	0.48	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.276	180	710	0.27	ug/l #	53

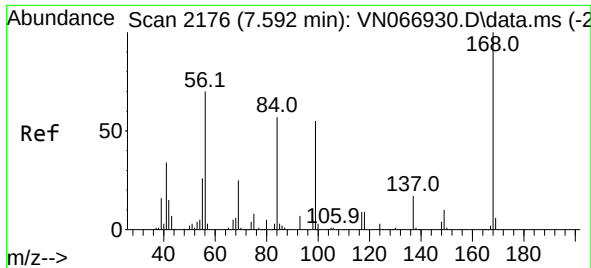
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: May 11 01:45:48 2021
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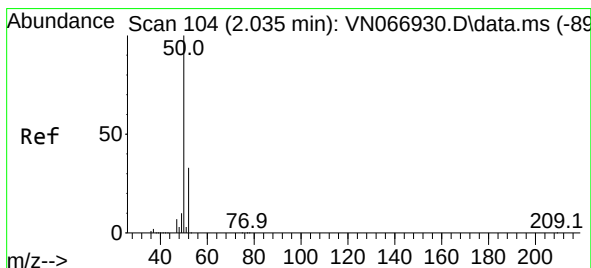
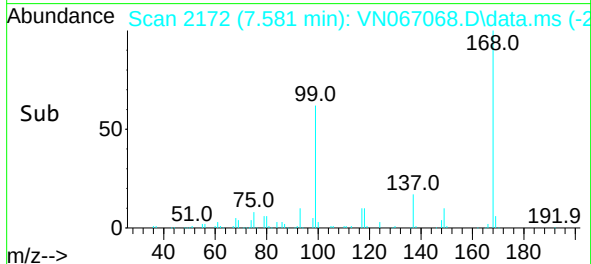
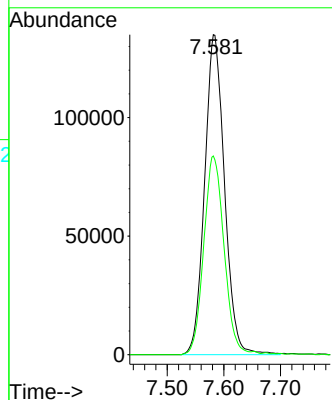
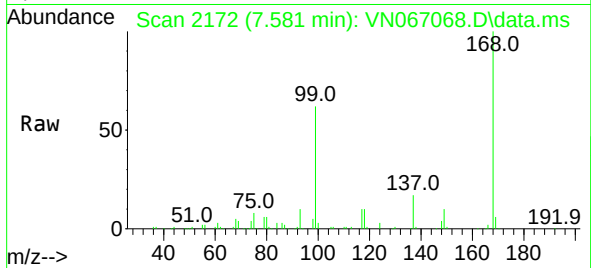




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.581 min Scan# 2172
Delta R.T. -0.011 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

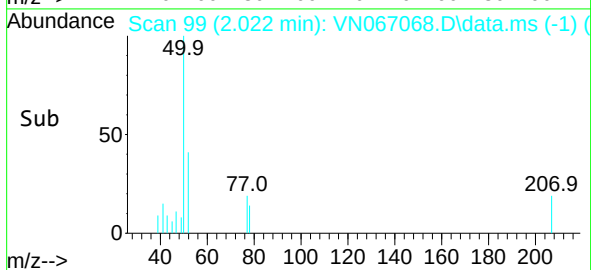
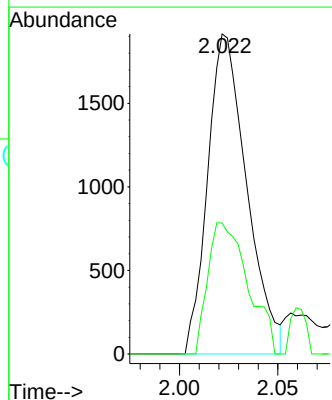
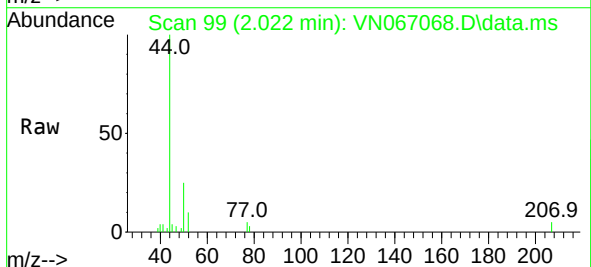
Instrument :
MSVOA_N
ClientSampleId :

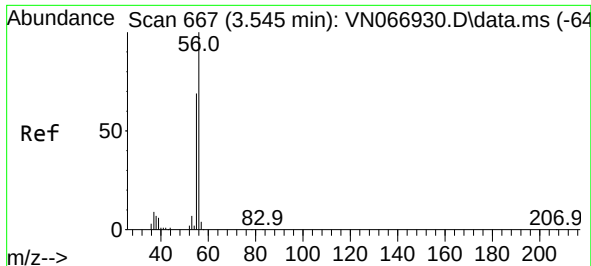
Tgt Ion:168 Resp: 329662
Ion Ratio Lower Upper
168 100
99 62.1 42.6 63.8



#3
Chloromethane
Concen: 0.41 ug/l
RT: 2.022 min Scan# 99
Delta R.T. -0.013 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

Tgt Ion: 50 Resp: 2640
Ion Ratio Lower Upper
50 100
52 40.9 25.8 38.8#

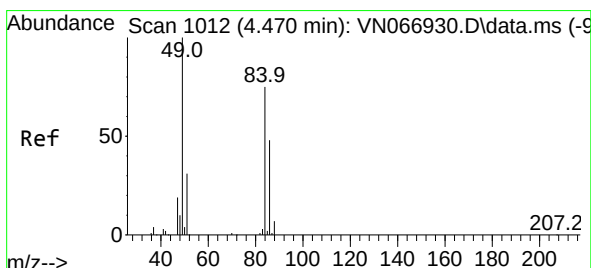
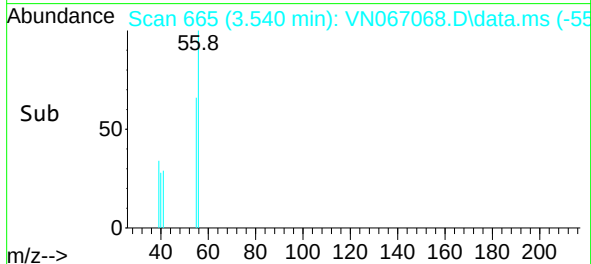
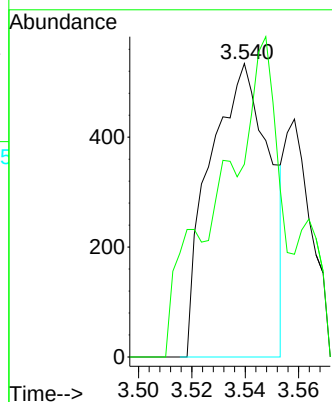
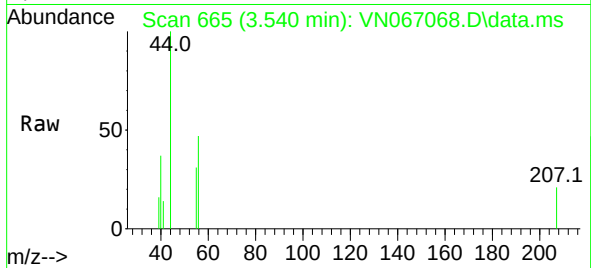




#13
Acrolein
Concen: 1.37 ug/l
RT: 3.540 min Scan# 665
Delta R.T. -0.005 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

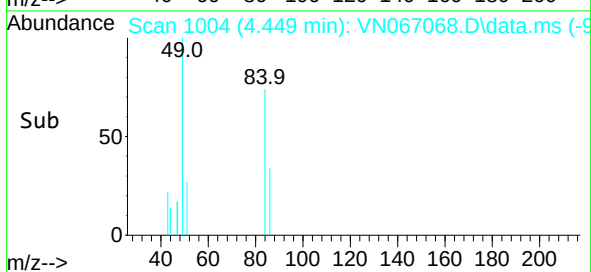
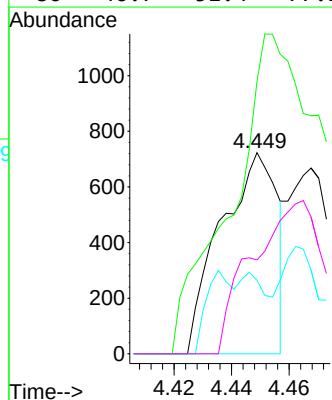
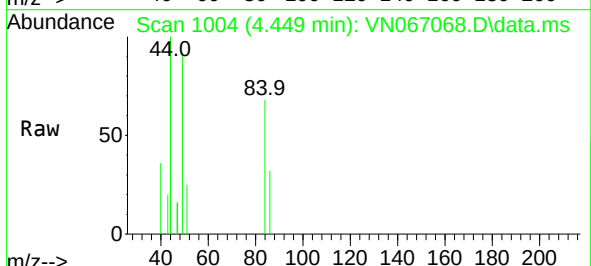
Instrument :
MSVOA_N
ClientSampled :

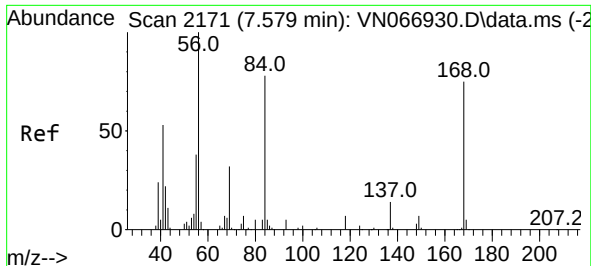
Tgt Ion: 56 Resp: 833
Ion Ratio Lower Upper
56 100
55 89.2 56.0 84.0#



#20
Methylene Chloride
Concen: 0.21 ug/l
RT: 4.449 min Scan# 1004
Delta R.T. -0.021 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

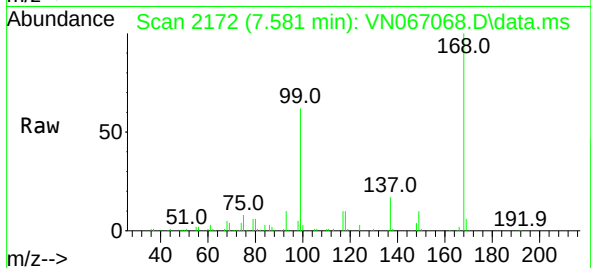
Tgt Ion: 84 Resp: 981
Ion Ratio Lower Upper
84 100
49 107.3 94.6 141.8
51 36.5 29.9 44.9
86 46.7 51.4 77.2#



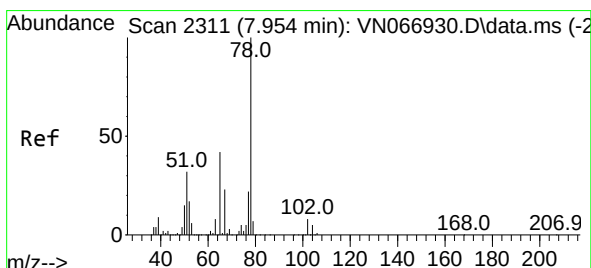
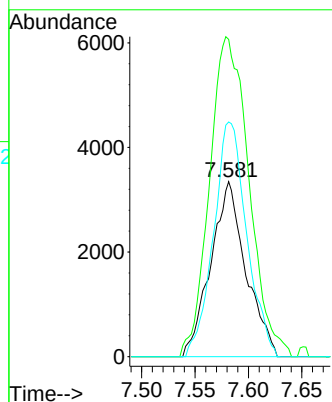
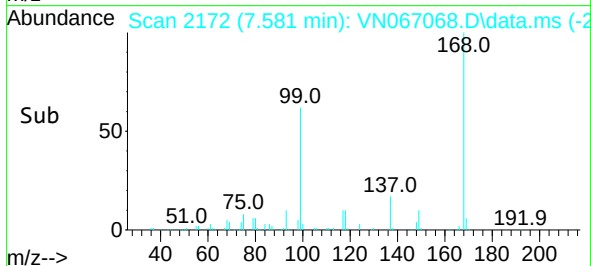


#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.581 min Scan# 2172
Delta R.T. 0.002 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

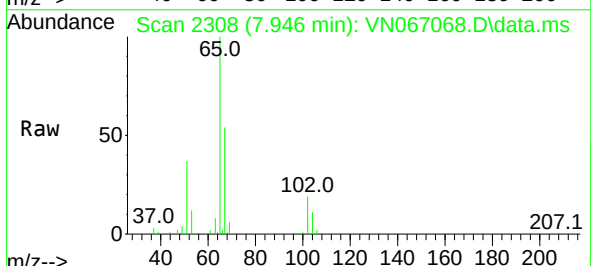
Instrument :
MSVOA_N
ClientSampled :



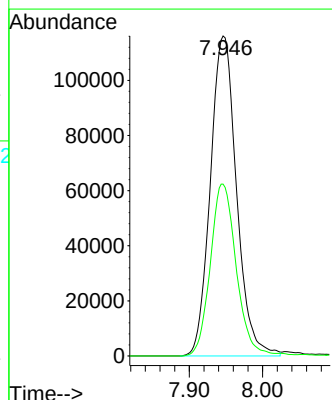
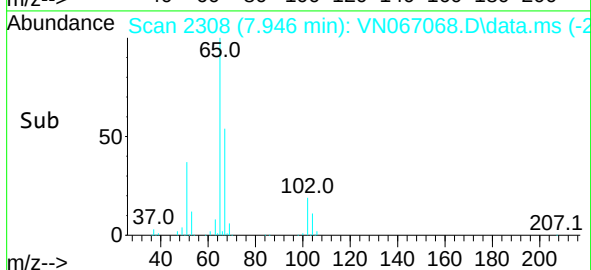
Tgt Ion: 56 Resp: 7658
Ion Ratio Lower Upper
56 100
69 181.3 26.6 39.8#
84 134.2 70.4 105.6#

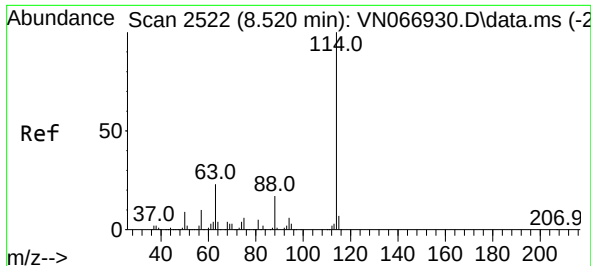


#33
1,2-Dichloroethane-d4
Concen: 55.58 ug/l
RT: 7.946 min Scan# 2308
Delta R.T. -0.008 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33



Tgt Ion: 65 Resp: 288401
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.512 min Scan# 2519

Delta R.T. -0.008 min

Lab File: VN067068.D

Acq: 10 May 2021 13:33

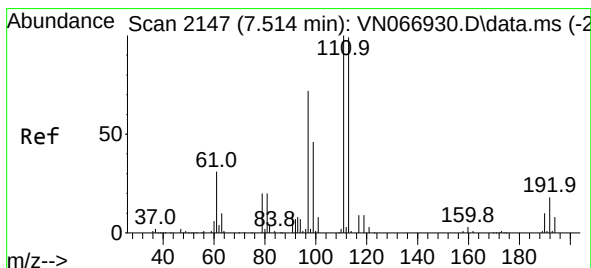
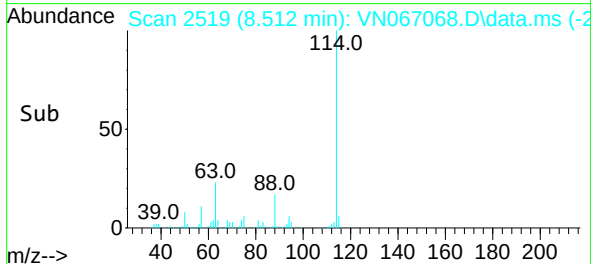
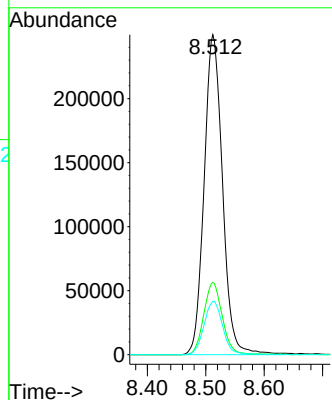
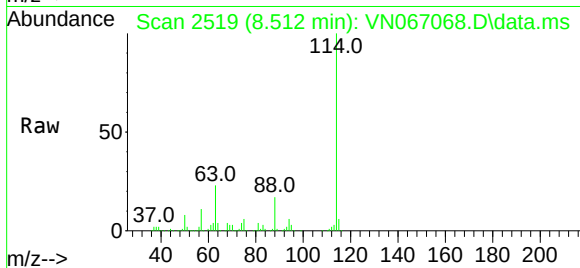
Tgt Ion:114 Resp: 545925

Ion Ratio Lower Upper

114 100

63 22.6 0.0 38.6

88 16.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.55 ug/l

RT: 7.506 min Scan# 2144

Delta R.T. -0.008 min

Lab File: VN067068.D

Acq: 10 May 2021 13:33

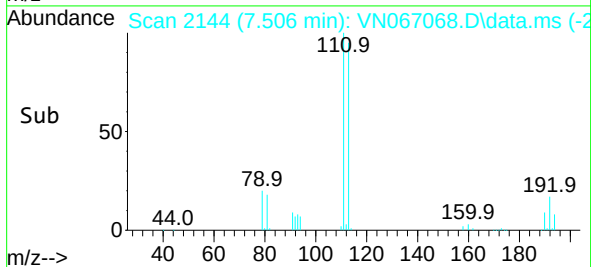
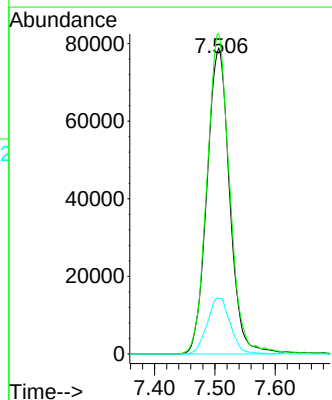
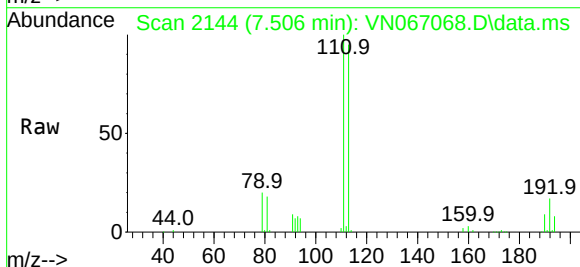
Tgt Ion:113 Resp: 205914

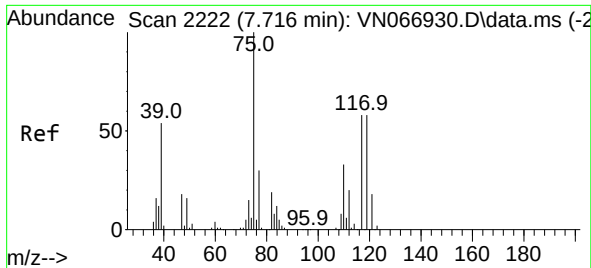
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

192 18.6 15.4 23.0

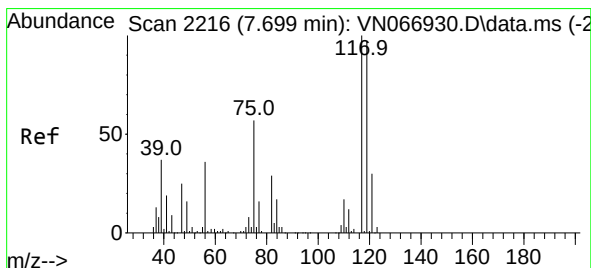
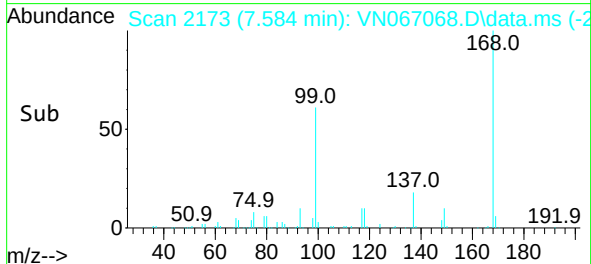
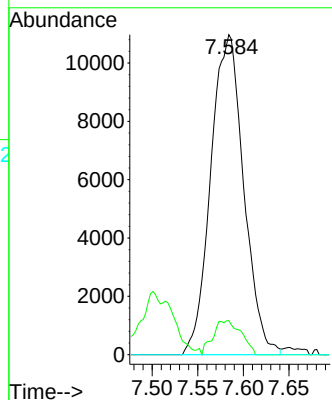
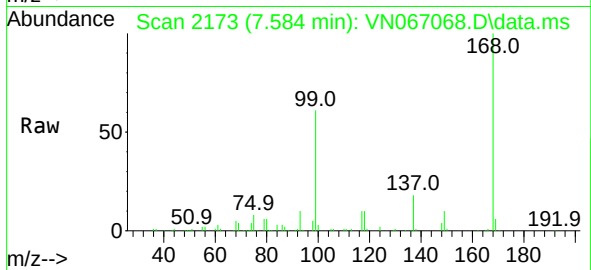




#36
1,1-Dichloropropene
Concen: 4.85 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.132 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

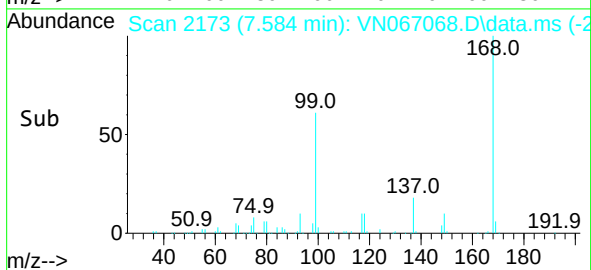
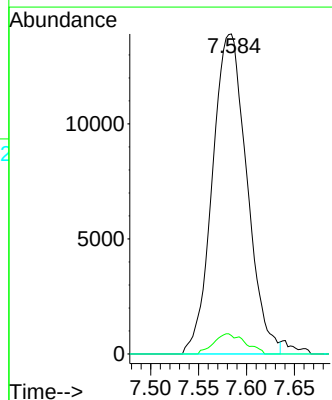
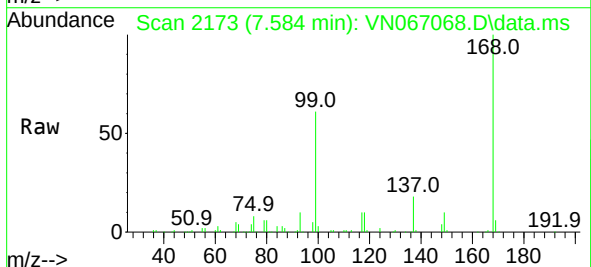
Instrument :
MSVOA_N
ClientSampleId :

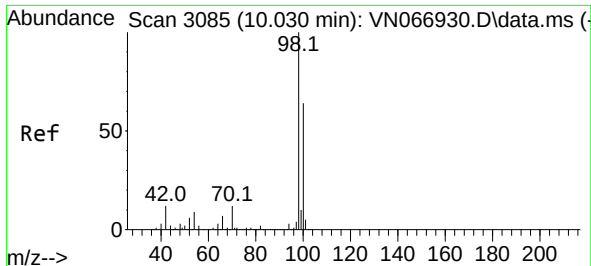
Tgt Ion: 75 Resp: 27585
Ion Ratio Lower Upper
75 100
110 3.9 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.87 ug/l
RT: 7.584 min Scan# 2173
Delta R.T. -0.115 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

Tgt Ion: 117 Resp: 34774
Ion Ratio Lower Upper
117 100
119 5.8 76.0 114.0#
121 0.0 24.5 36.7#

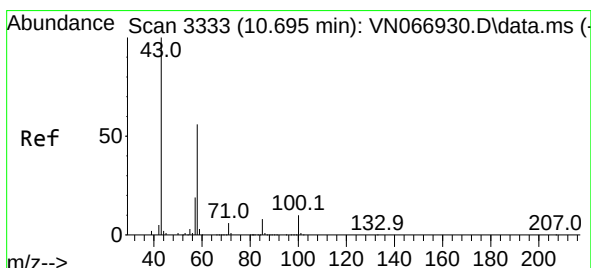
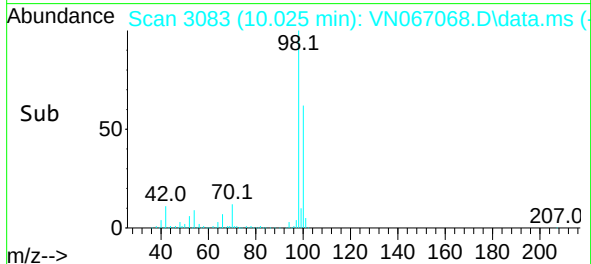
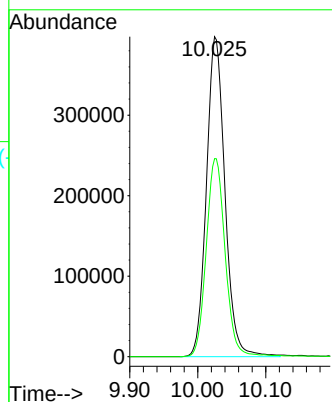
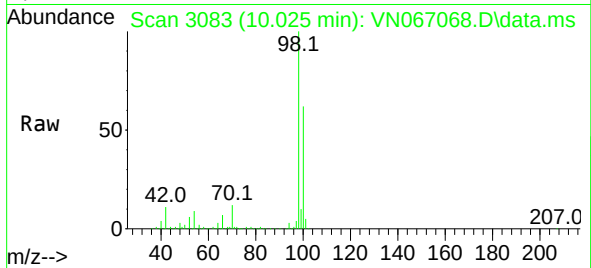




#50
Toluene-d8
Concen: 53.24 ug/l
RT: 10.025 min Scan# 3083
Delta R.T. -0.005 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

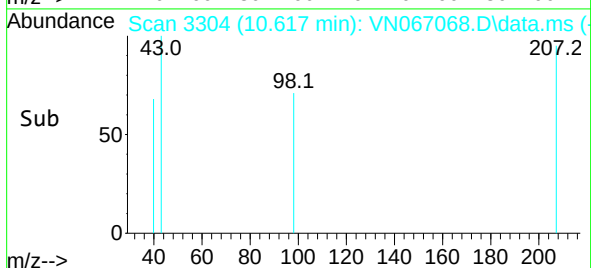
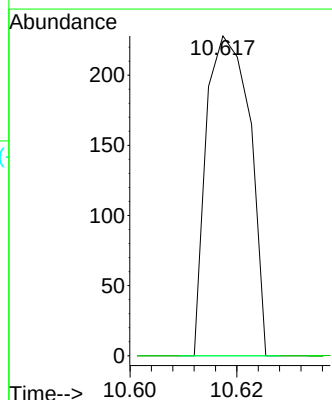
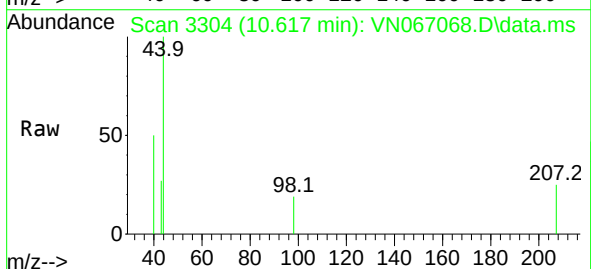
Instrument :
MSVOA_N
ClientSampled :

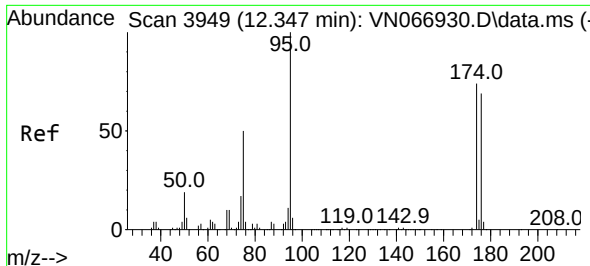
Tgt Ion: 98 Resp: 751694
Ion Ratio Lower Upper
98 100
100 63.2 50.5 75.7



#59
2-Hexanone
Concen: 28.39 ug/l
RT: 10.617 min Scan# 3304
Delta R.T. -0.078 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

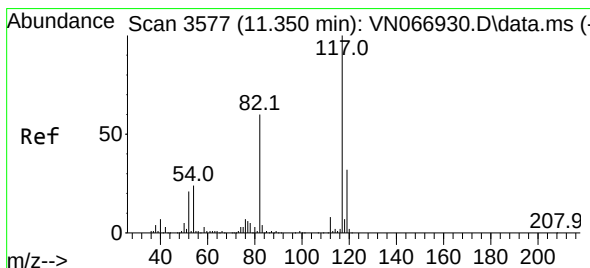
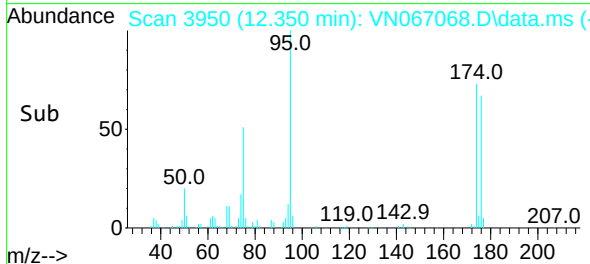
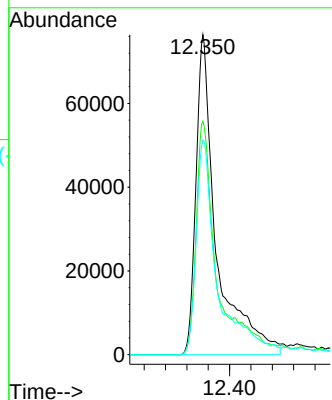
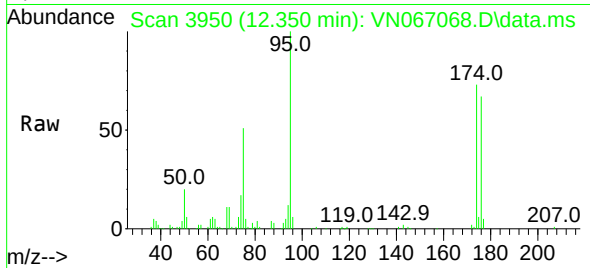




#62
4-Bromofluorobenzene
Concen: 42.78 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

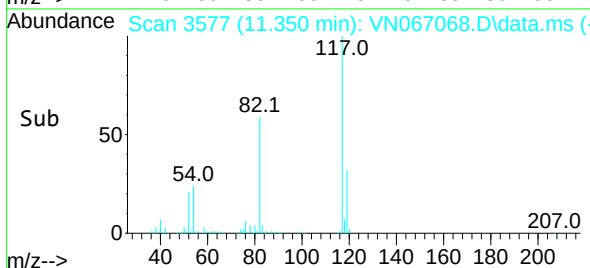
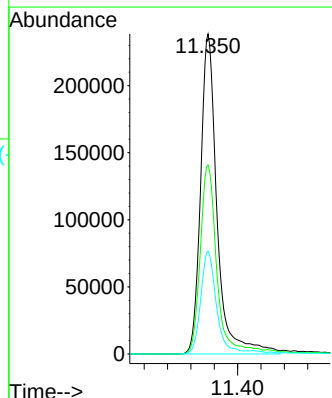
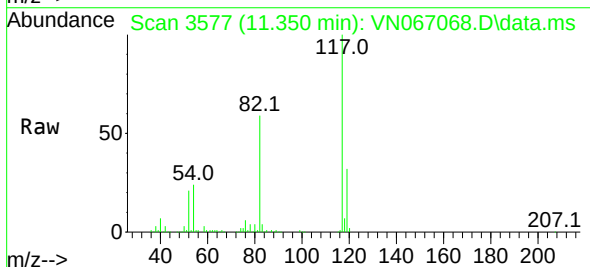
Instrument :
MSVOA_N
ClientSampled :

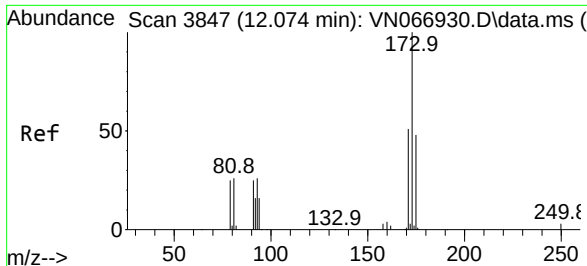
Tgt Ion: 95 Resp: 204493
Ion Ratio Lower Upper
95 100
174 61.2 0.0 169.0
176 53.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

Tgt Ion: 117 Resp: 467686
Ion Ratio Lower Upper
117 100
82 59.1 43.7 65.5
119 32.1 26.1 39.1

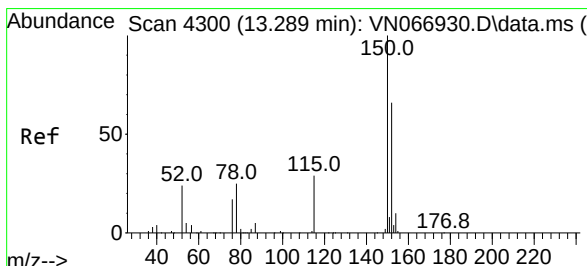
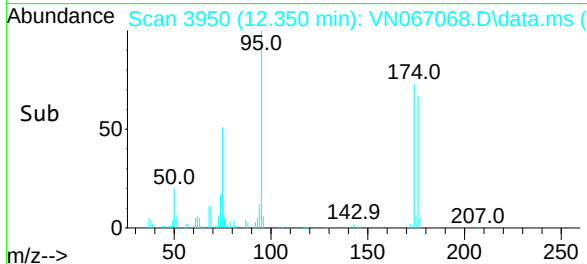
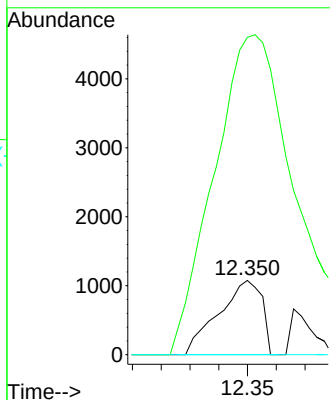
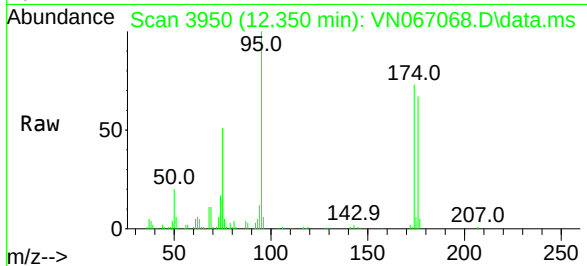




#71
Bromoform
Concen: 0.40 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

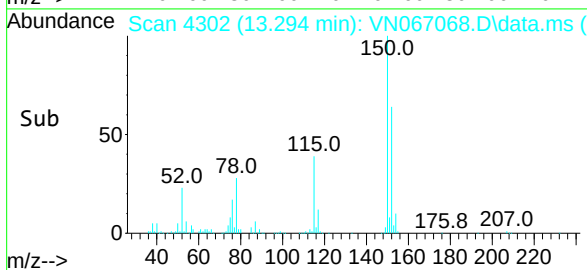
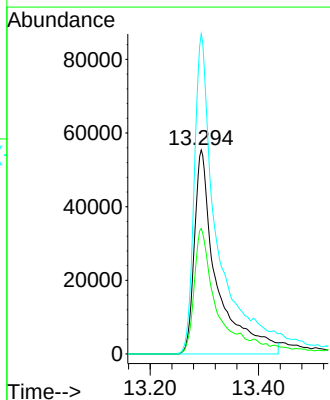
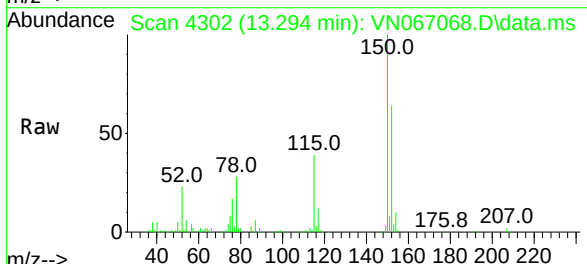
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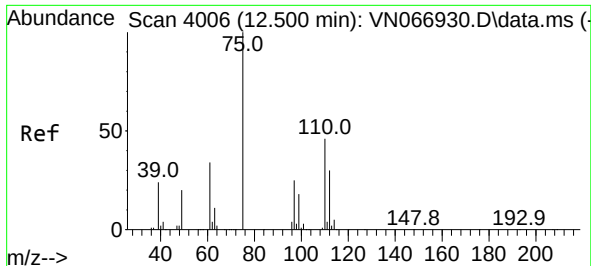
Tgt Ion:173 Resp: 1125
Ion Ratio Lower Upper
173 100
175 646.7 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

Tgt Ion:152 Resp: 158600
Ion Ratio Lower Upper
152 100
115 54.5 28.5 85.6
150 147.0 0.0 347.6

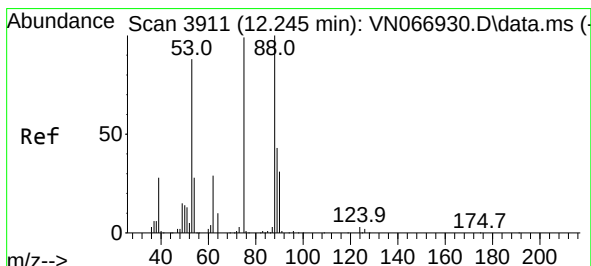
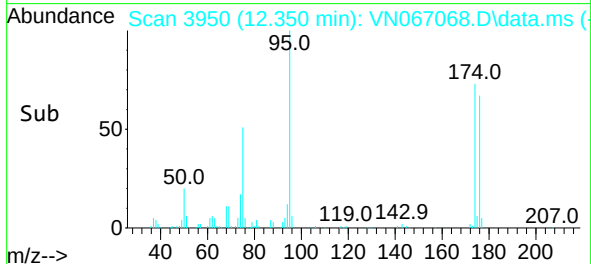
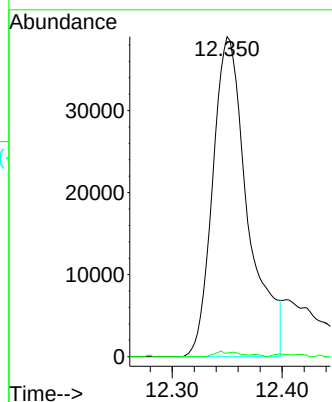
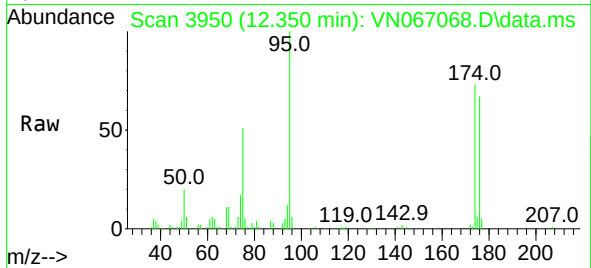




#76
1,2,3-Trichloropropane
Concen: 22.86 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

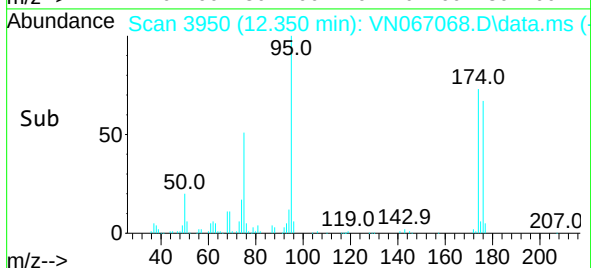
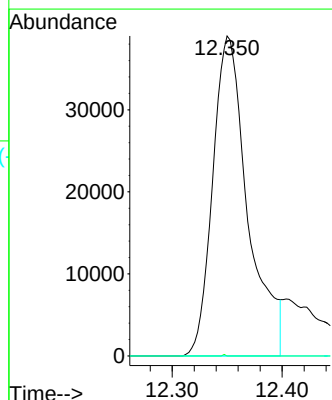
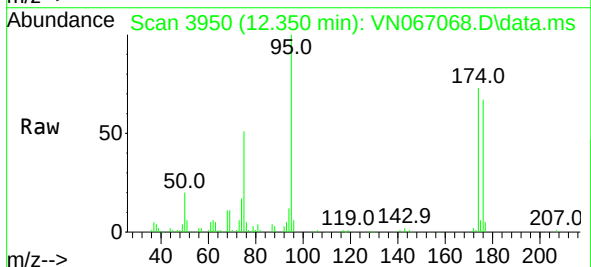
Instrument :
MSVOA_N
ClientSampleId :

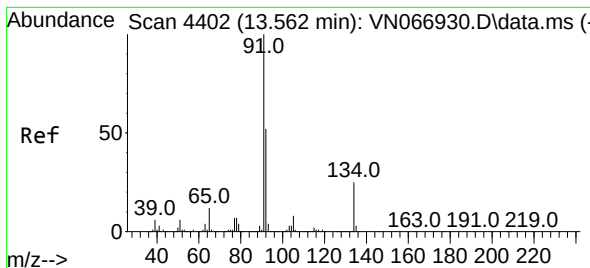
Tgt Ion: 75 Resp: 86372
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.27 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

Tgt Ion: 75 Resp: 86372
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#

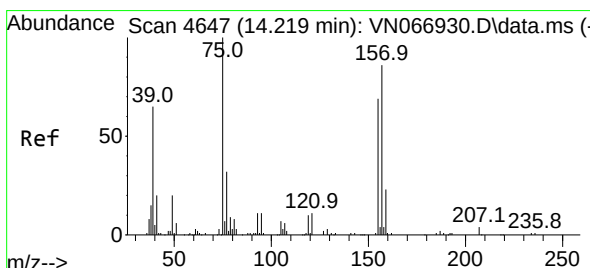
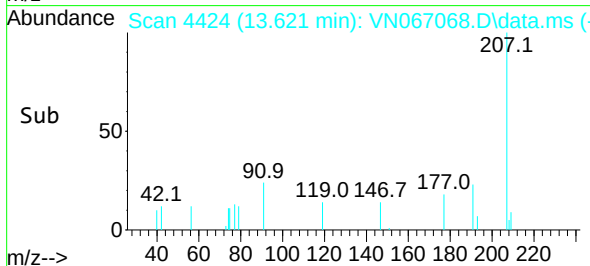
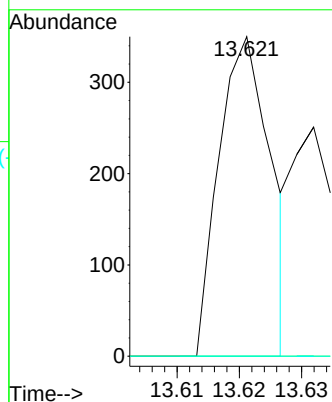
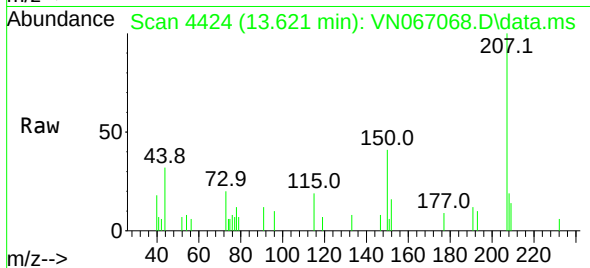




#89
n-Butylbenzene
Concen: 5.26 ug/l
RT: 13.621 min Scan# 4424
Delta R.T. 0.059 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

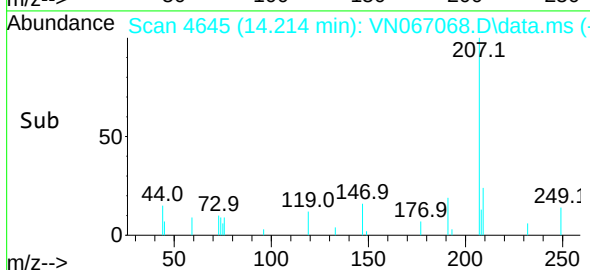
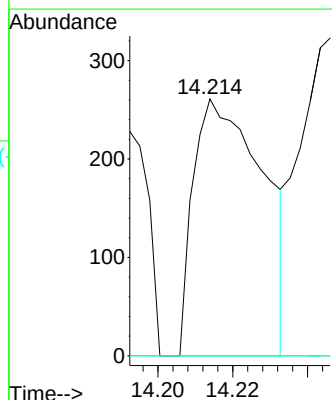
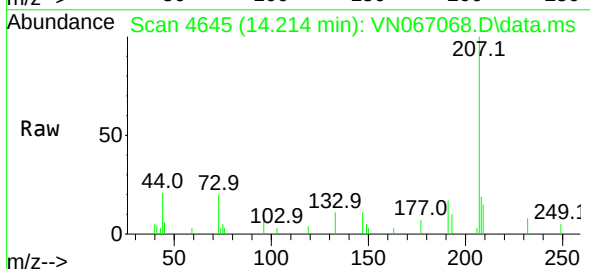
Instrument :
MSVOA_N
ClientSampled :

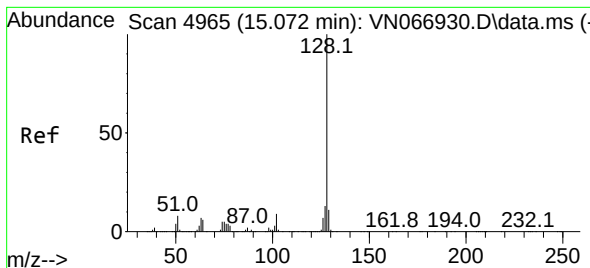
Tgt Ion: 91 Resp: 203
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.44 ug/l
RT: 14.214 min Scan# 4645
Delta R.T. -0.005 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

Tgt Ion: 75 Resp: 337
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

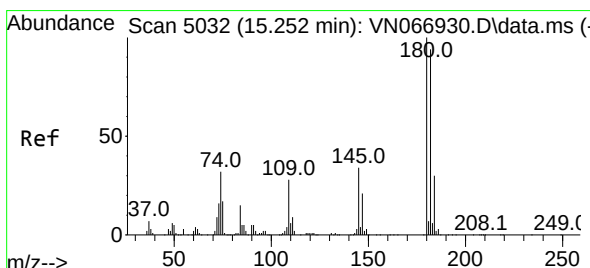
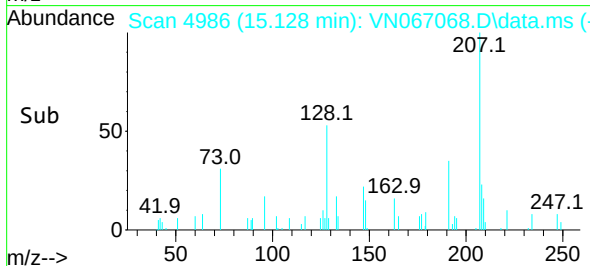
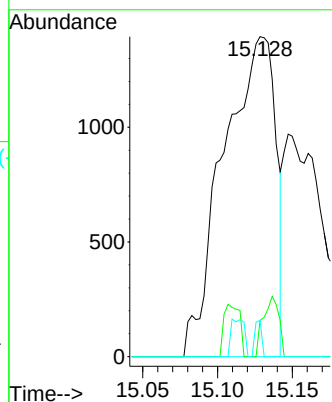
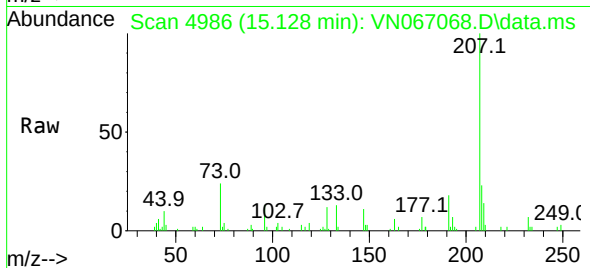




#95
Naphthalene
Concen: 0.48 ug/l
RT: 15.128 min Scan# 4986
Delta R.T. 0.056 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:128 Resp: 3364
Ion Ratio Lower Upper
128 100
127 5.7 10.2 15.2#
129 1.5 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.27 ug/l
RT: 15.276 min Scan# 5041
Delta R.T. 0.024 min
Lab File: VN067068.D
Acq: 10 May 2021 13:33

Tgt Ion:180 Resp: 710
Ion Ratio Lower Upper
180 100
182 155.9 47.4 142.3#
145 34.5 16.5 49.5

