

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050621\
 Data File : VN067007.D
 Acq On : 6 May 2021 14:04
 Operator : JC/MD
 Sample : PB136189ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 04:07:15 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)

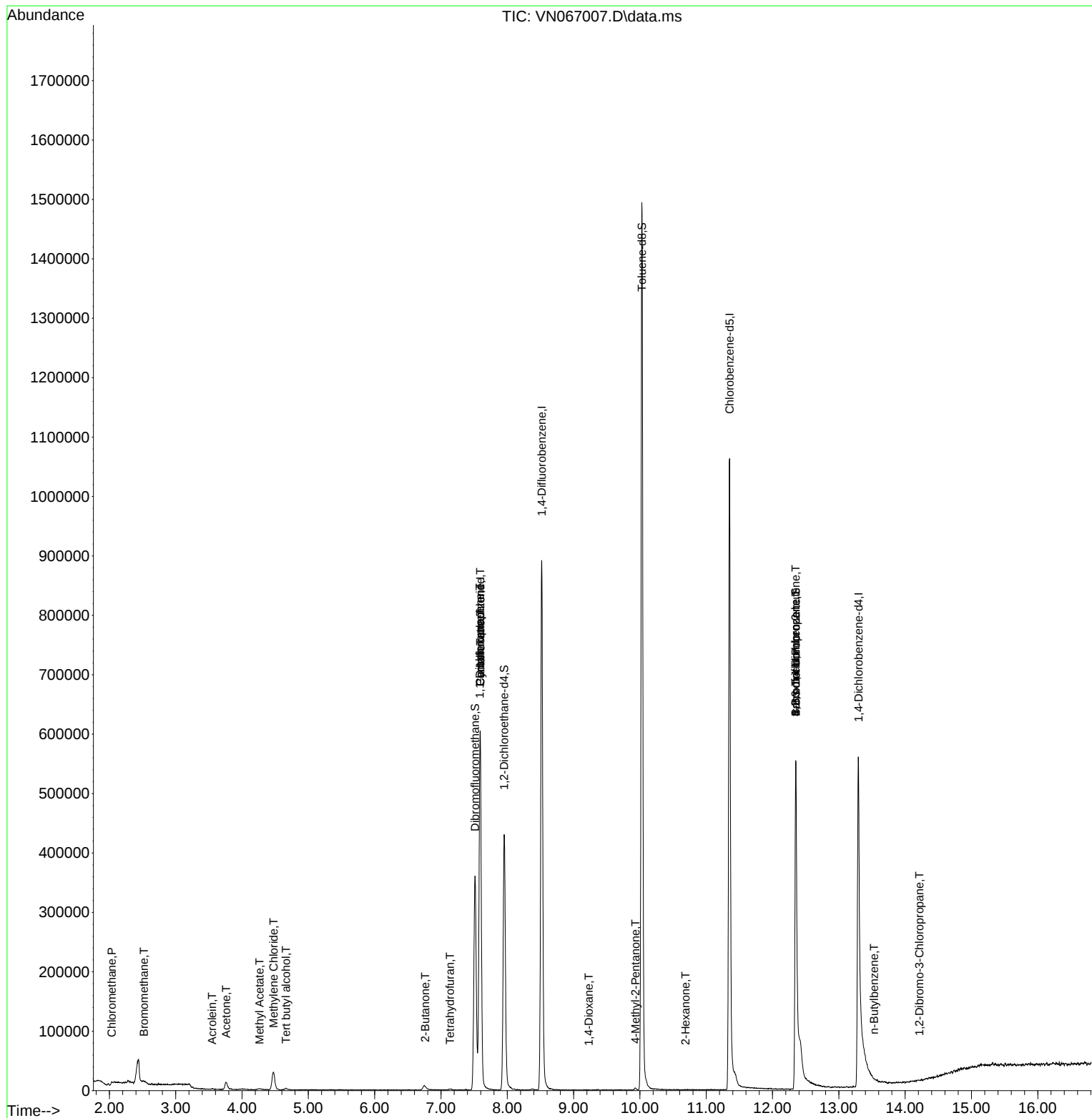
Internal Standards						
1) Pentafluorobenzene	7.592	168	461379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	776084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.352	117	658215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.297	152	220264	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	390724	53.80	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.60%			
35) Dibromofluoromethane	7.514	113	281898	53.49	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.98%			
50) Toluene-d8	10.030	98	1050741	52.35	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.70%			
62) 4-Bromofluorobenzene	12.350	95	300982	44.29	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.58%			
Target Compounds						Qvalue
3) Chloromethane	2.035	50	2095	0.23	ug/l	93
5) Bromomethane	2.521	94	1024	0.22	ug/l	91
11) Tert butyl alcohol	4.663	59	1809	1.76	ug/l #	73
13) Acrolein	3.550	56	318	0.37	ug/l #	40
16) Acetone	3.760	43	20289	7.94	ug/l	93
18) Methyl Acetate	4.264	43	2776	0.38	ug/l #	75
20) Methylene Chloride	4.476	84	22726	3.51	ug/l	89
25) 2-Butanone	6.763	43	2978	0.79	ug/l	89
29) Tetrahydrofuran	7.139	42	696	0.28	ug/l #	66
31) Cyclohexane	7.592	56	10436	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.587	75	40720	5.04	ug/l #	49
38) Carbon Tetrachloride	7.592	117	48069	5.70	ug/l #	17
49) 1,4-Dioxane	9.228	88	65	0.69	ug/l #	15
51) 4-Methyl-2-Pentanone	9.933	43	3043	0.39	ug/l #	85
59) 2-Hexanone	10.690	43	50	28.37	ug/l #	23
71) Bromoform	12.350	173	1983	0.50	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	138596	26.41	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	138596	79.17	ug/l #	12
89) n-Butylbenzene	13.533	91	24	5.24	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.217	75	268	0.25	ug/l #	1

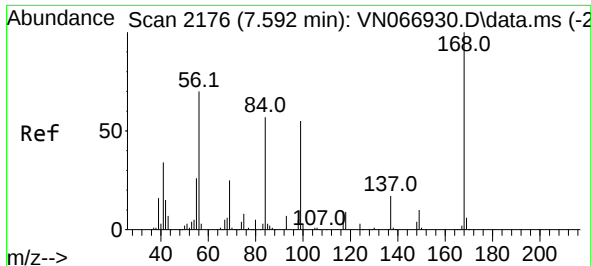
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
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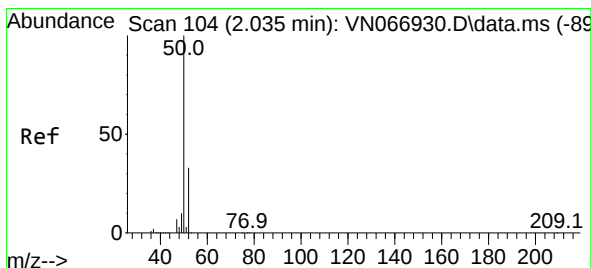
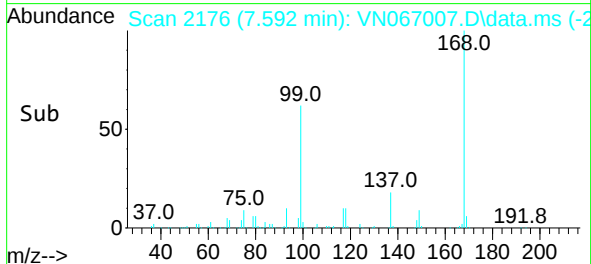
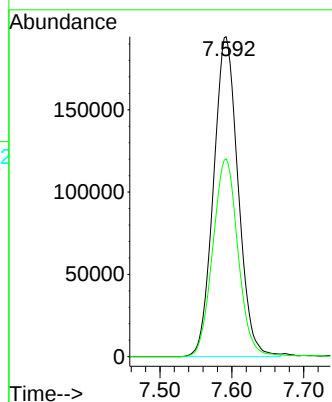
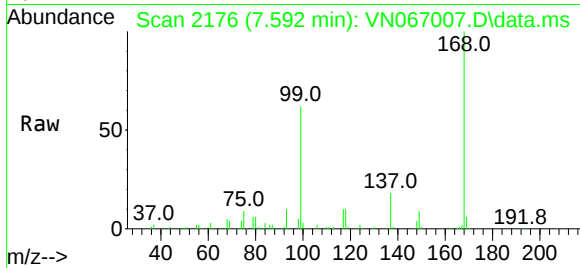




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

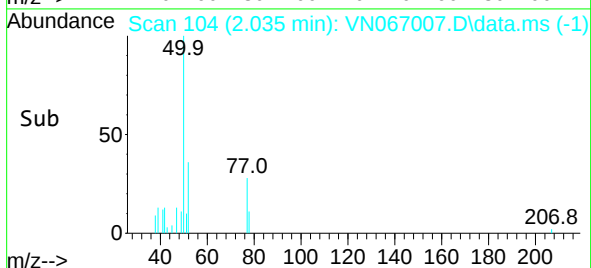
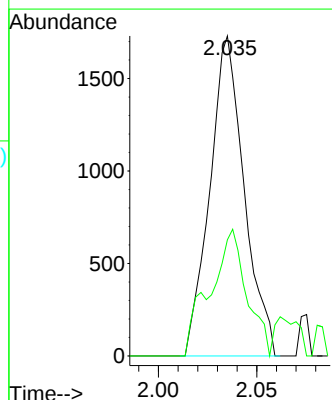
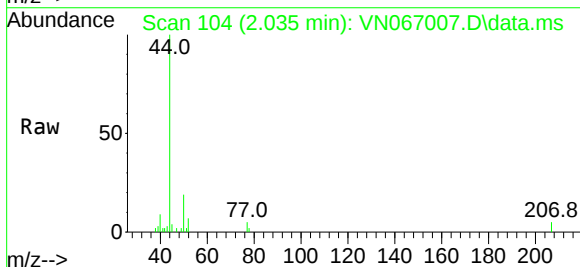
Instrument :
MSVOA_N
ClientSampleId :

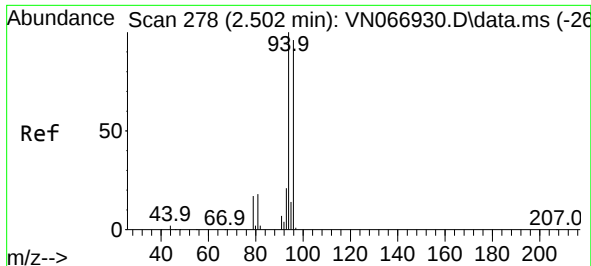
Tgt Ion:168 Resp: 461379
Ion Ratio Lower Upper
168 100
99 61.9 42.6 63.8



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

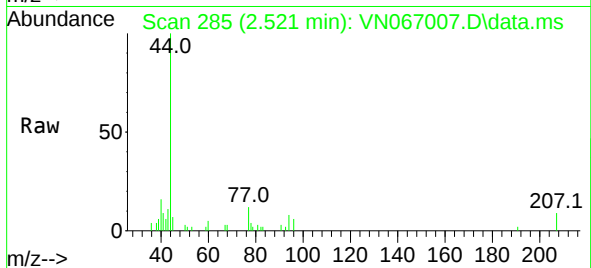
Tgt Ion: 50 Resp: 2095
Ion Ratio Lower Upper
50 100
52 36.3 25.8 38.8



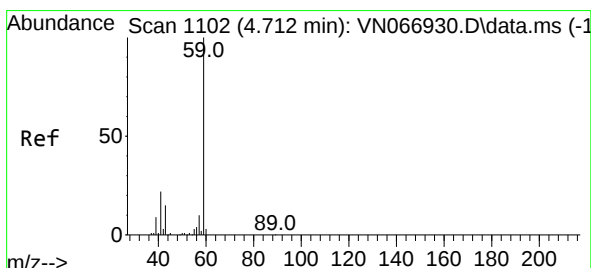
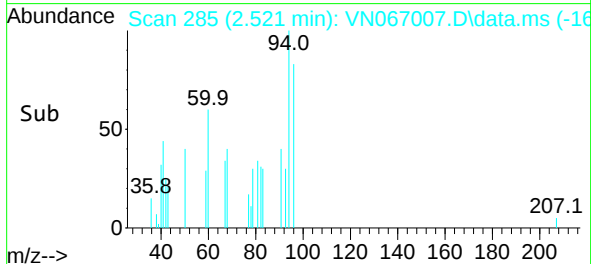
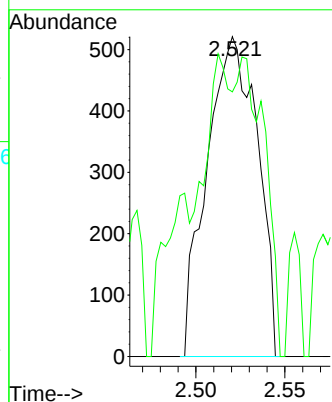


#5
Bromomethane
Concen: 0.22 ug/l
RT: 2.521 min Scan# 285
Delta R.T. 0.019 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

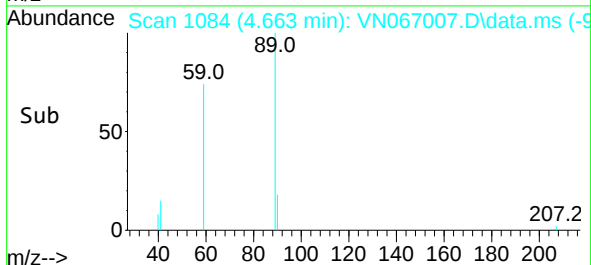
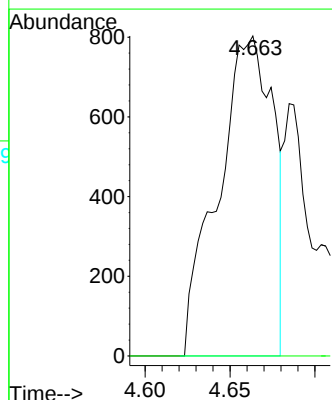
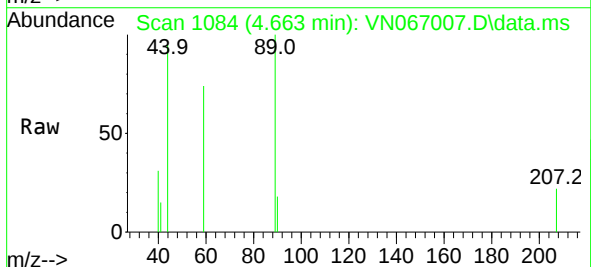


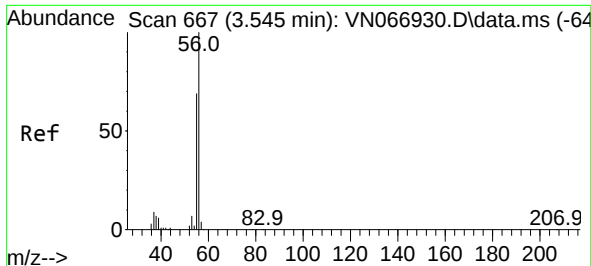
Tgt Ion: 94 Resp: 1024
Ion Ratio Lower Upper
94 100
96 82.7 73.0 109.4



#11
Tert butyl alcohol
Concen: 1.76 ug/l
RT: 4.663 min Scan# 1084
Delta R.T. -0.049 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

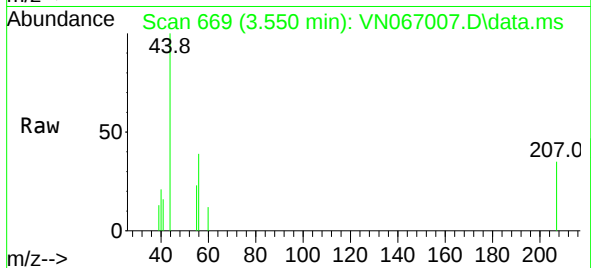
Tgt Ion: 59 Resp: 1809
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



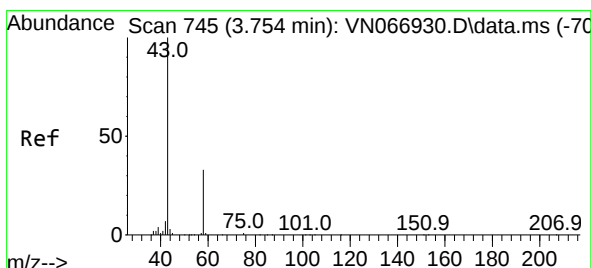
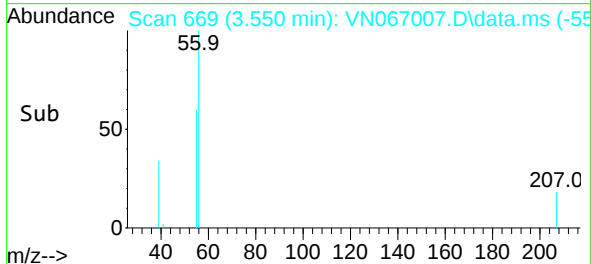
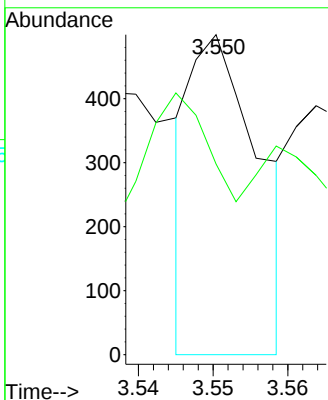


#13
Acrolein
Concen: 0.37 ug/l
RT: 3.550 min Scan# 669
Delta R.T. 0.005 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

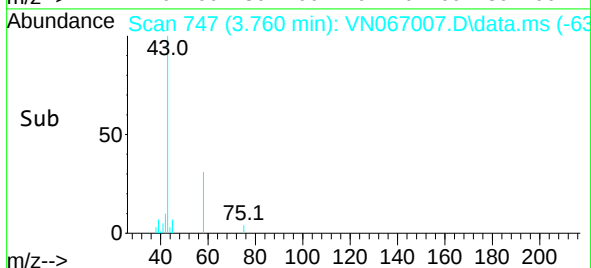
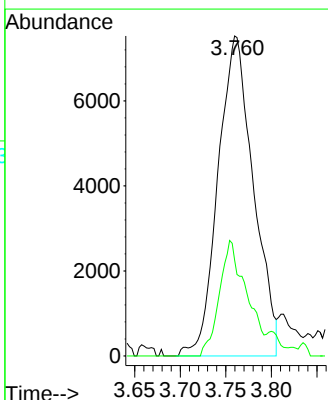
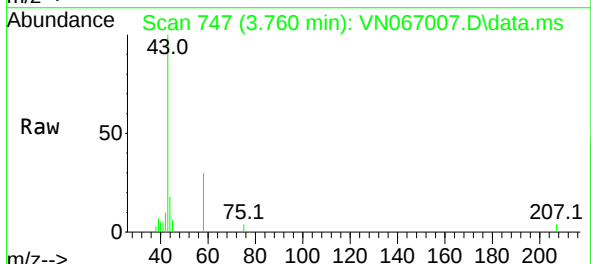


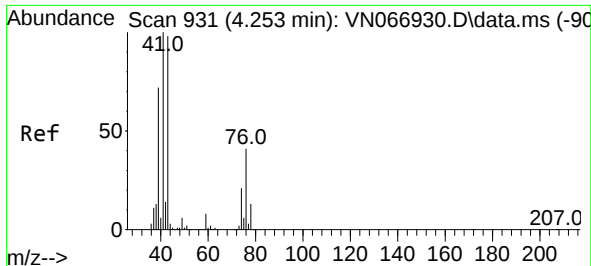
Tgt Ion: 56 Resp: 318
Ion Ratio Lower Upper
56 100
55 118.9 56.0 84.0#



#16
Acetone
Concen: 7.94 ug/l
RT: 3.760 min Scan# 747
Delta R.T. 0.006 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

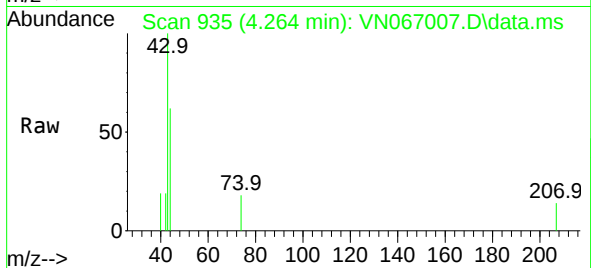
Tgt Ion: 43 Resp: 20289
Ion Ratio Lower Upper
43 100
58 30.0 27.0 40.6



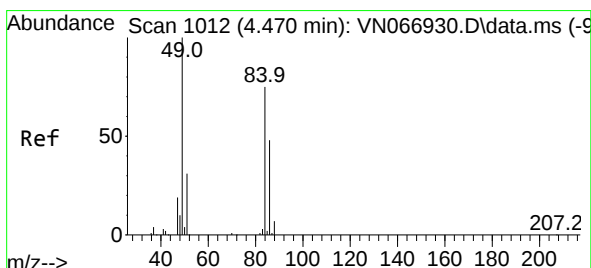
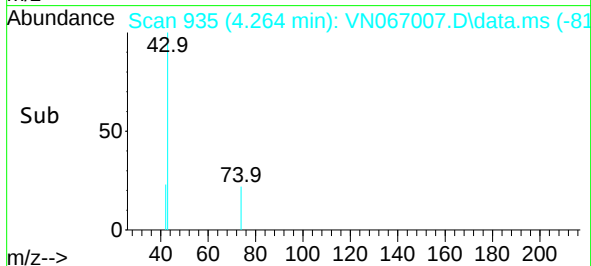
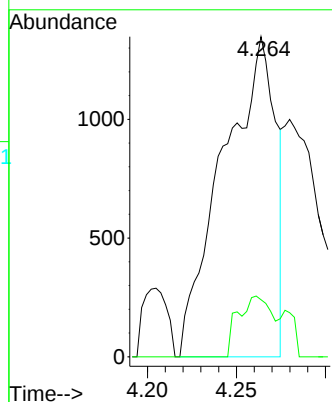


#18
Methyl Acetate
Concen: 0.38 ug/l
RT: 4.264 min Scan# 935
Delta R.T. 0.011 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

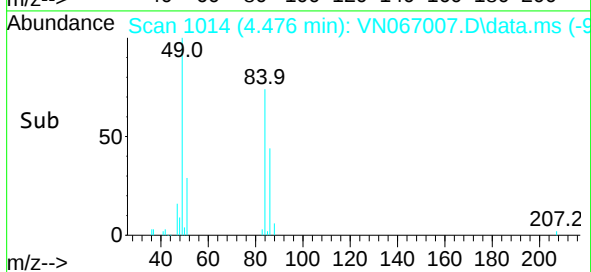
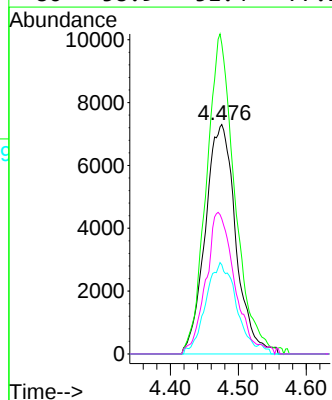
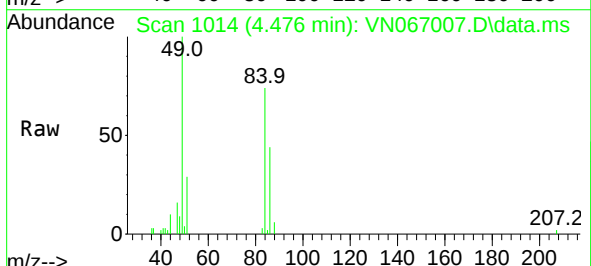


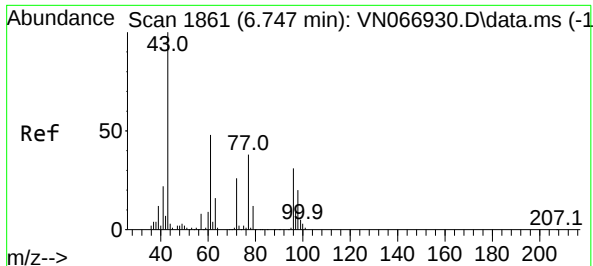
Tgt Ion: 43 Resp: 2776
Ion Ratio Lower Upper
43 100
74 11.9 19.5 29.3#



#20
Methylene Chloride
Concen: 3.51 ug/l
RT: 4.476 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

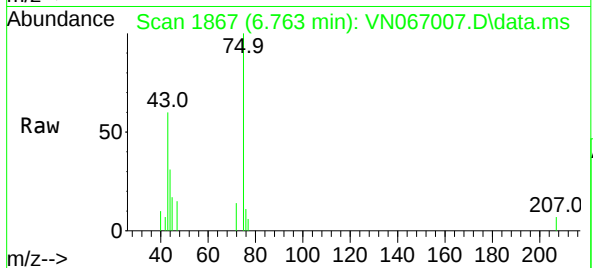
Tgt Ion: 84 Resp: 22726
Ion Ratio Lower Upper
84 100
49 135.1 94.6 141.8
51 38.8 29.9 44.9
86 58.9 51.4 77.2



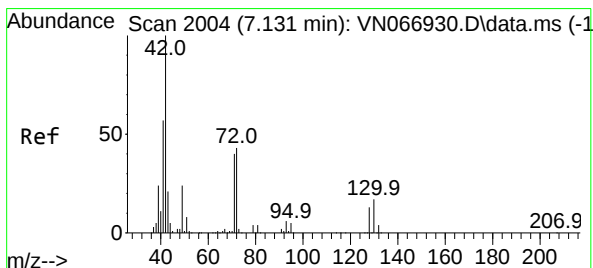
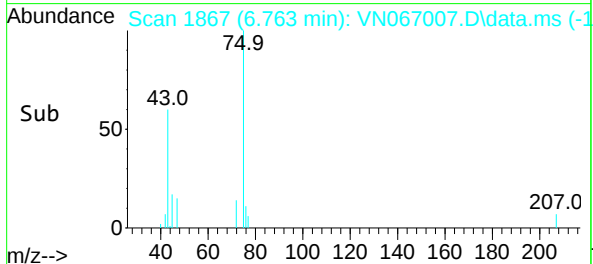
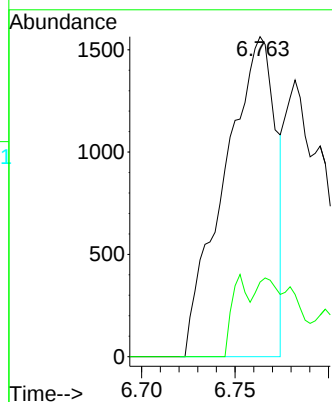


#25
2-Butanone
Concen: 0.79 ug/l
RT: 6.763 min Scan# 1867
Delta R.T. 0.016 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

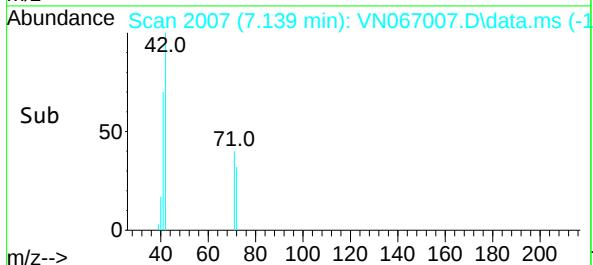
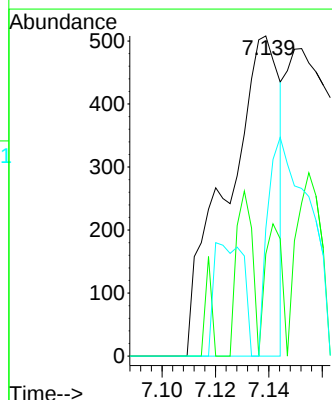
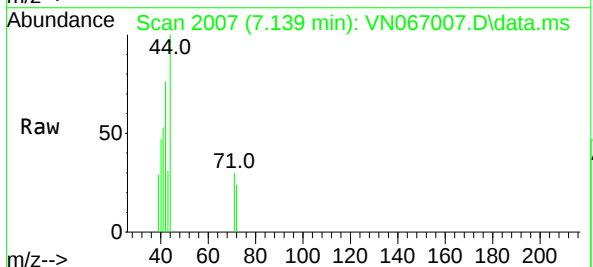


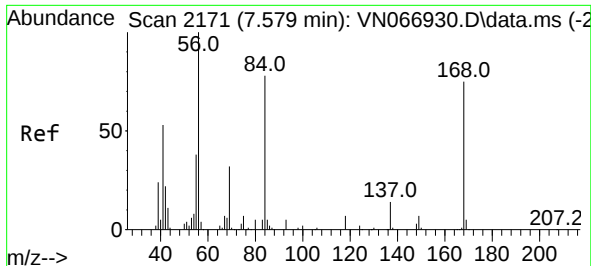
Tgt Ion: 43 Resp: 2978
Ion Ratio Lower Upper
43 100
72 23.3 23.1 34.7



#29
Tetrahydrofuran
Concen: 0.28 ug/l
RT: 7.139 min Scan# 2007
Delta R.T. 0.008 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

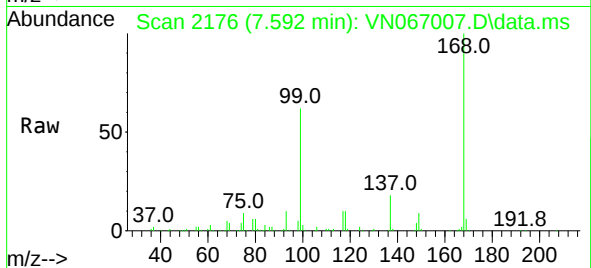
Tgt Ion: 42 Resp: 696
Ion Ratio Lower Upper
42 100
72 12.9 36.6 55.0#
71 53.9 34.3 51.5#



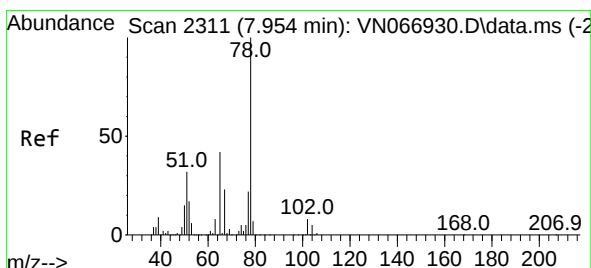
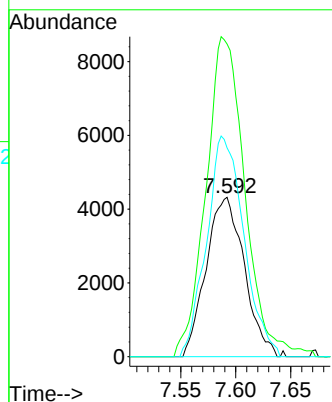
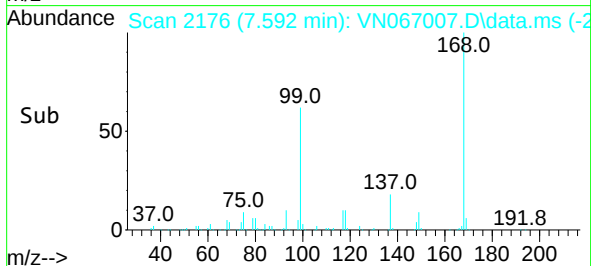


#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

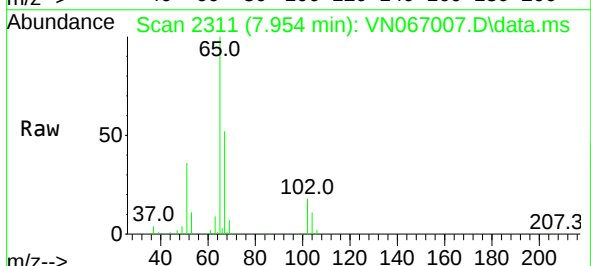
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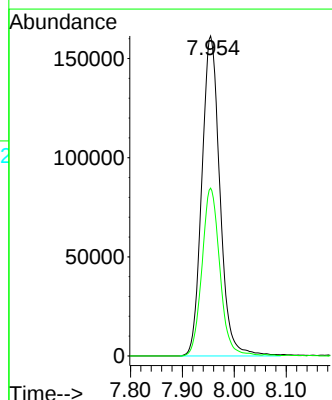
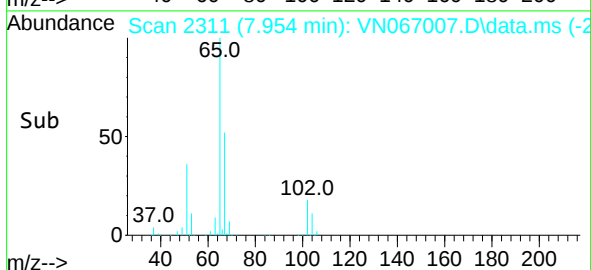
Tgt Ion: 56 Resp: 10436
Ion Ratio Lower Upper
56 100
69 186.5 26.6 39.8#
84 131.0 70.4 105.6#

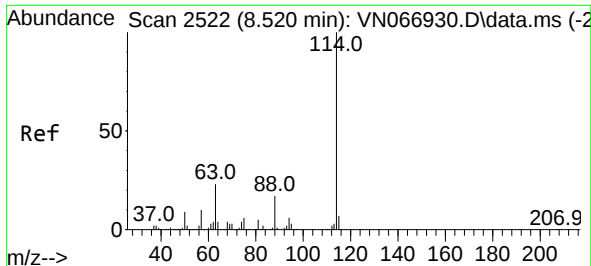


#33
1,2-Dichloroethane-d4
Concen: 53.80 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04



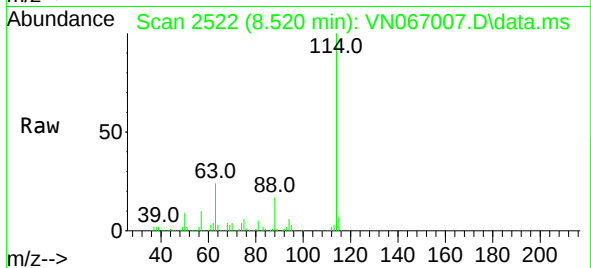
Tgt Ion: 65 Resp: 390724
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.2



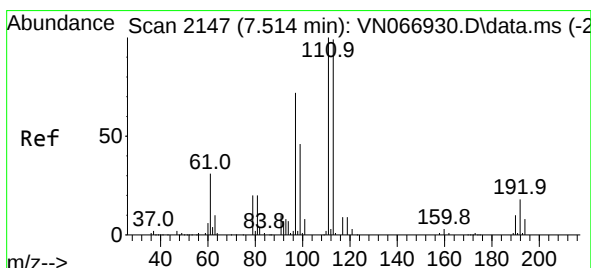
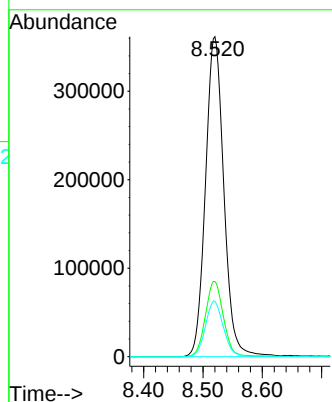
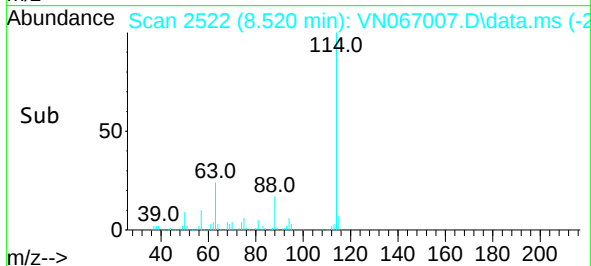


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

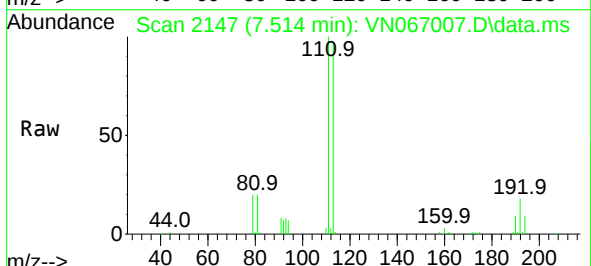
Instrument :
MSVOA_N
ClientSampled :



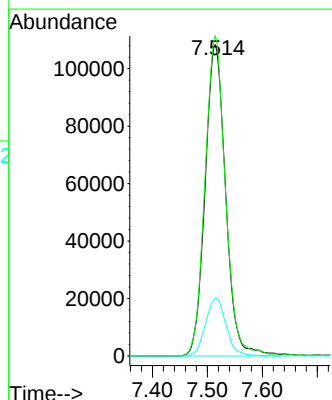
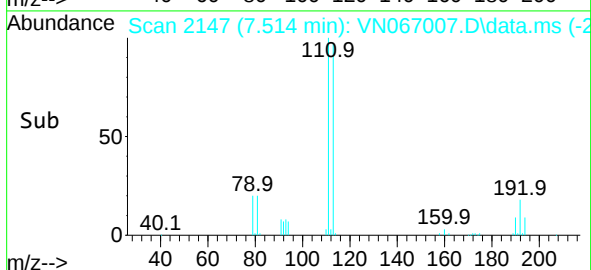
Tgt Ion:114 Resp: 776084
Ion Ratio Lower Upper
114 100
63 23.5 0.0 38.6
88 17.3 0.0 30.6

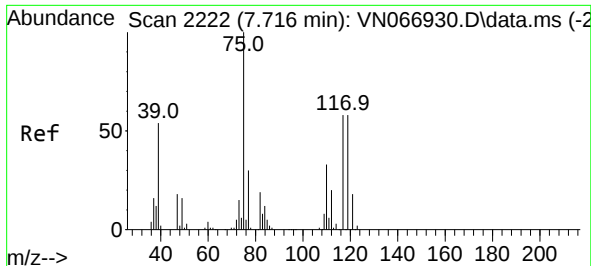


#35
Dibromofluoromethane
Concen: 53.49 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04



Tgt Ion:113 Resp: 281898
Ion Ratio Lower Upper
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111 101.1 82.2 123.2
192 18.5 15.4 23.0

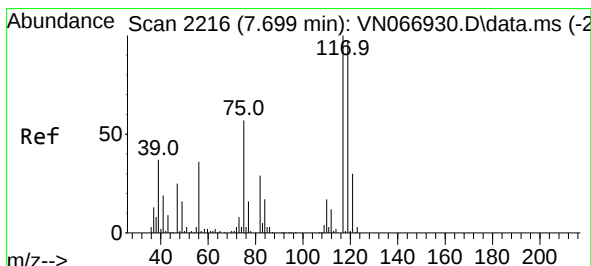
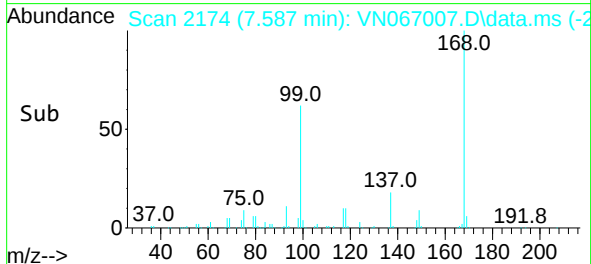
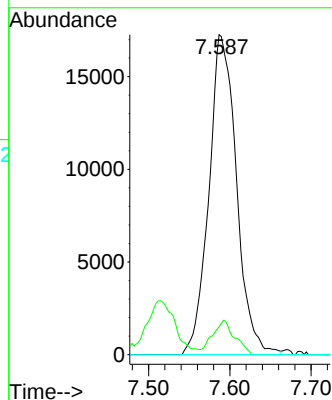
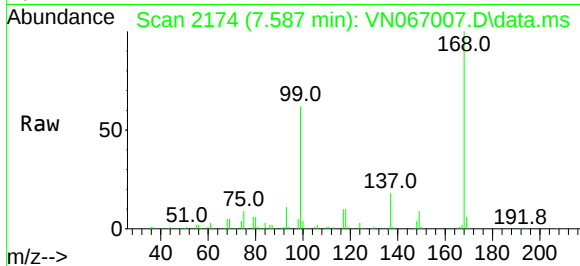




#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. -0.129 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

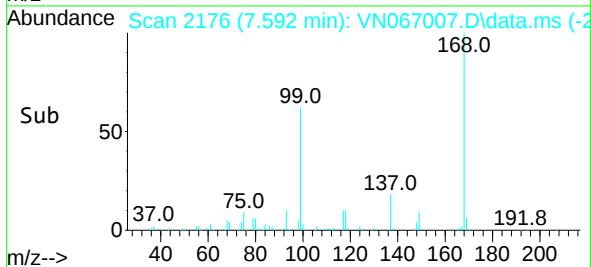
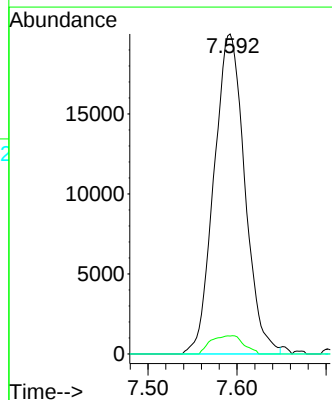
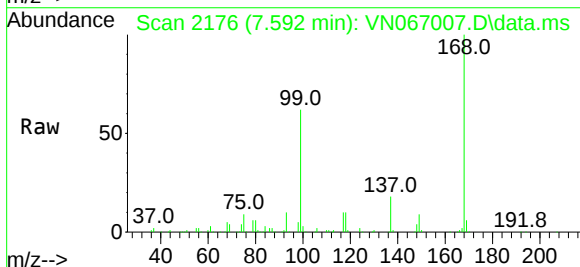
Instrument :
MSVOA_N
ClientSampleId :

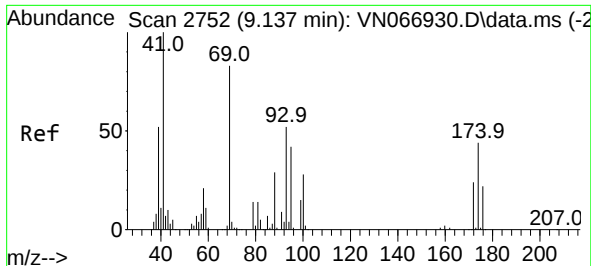
Tgt Ion: 75 Resp: 40720
Ion Ratio Lower Upper
75 100
110 8.7 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.70 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

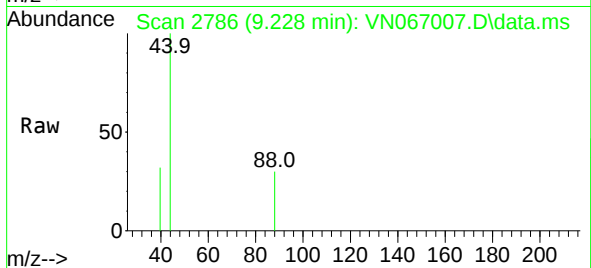
Tgt Ion: 117 Resp: 48069
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#



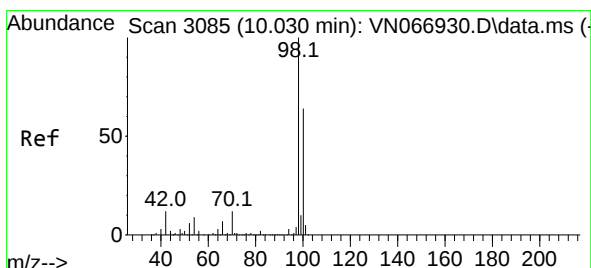
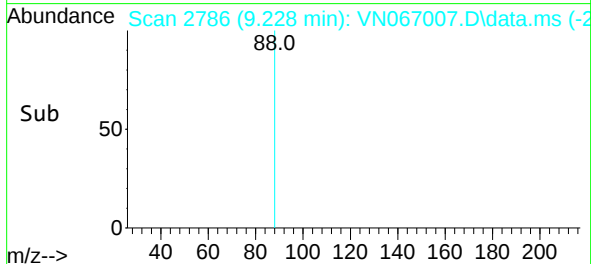
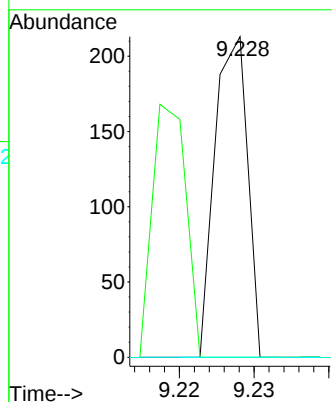


#49
1,4-Dioxane
Concen: 0.69 ug/l
RT: 9.228 min Scan# 2786
Delta R.T. 0.091 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

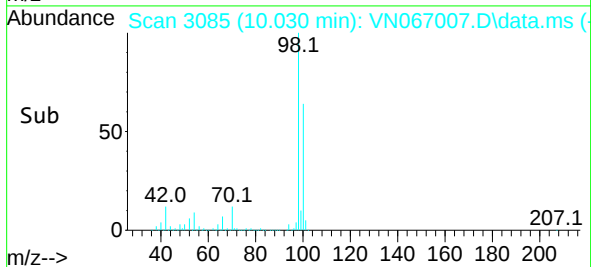
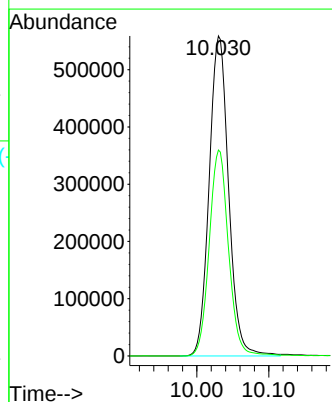
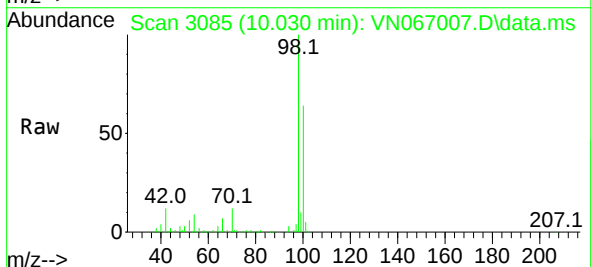


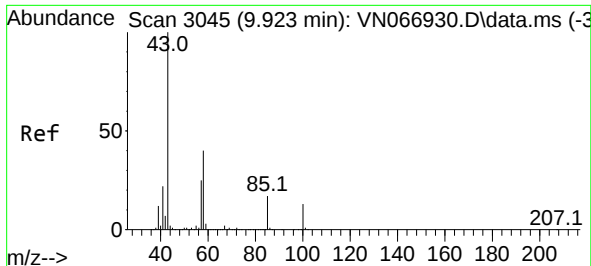
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 80.0 24.7 37.1#
58 0.0 52.6 78.8#



#50
Toluene-d8
Concen: 52.35 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Tgt Ion: 98 Resp: 1050741
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

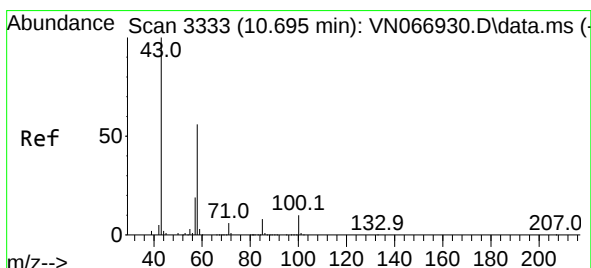
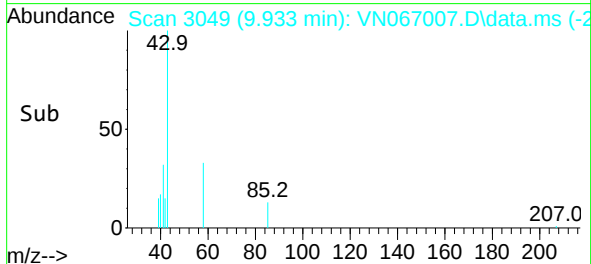
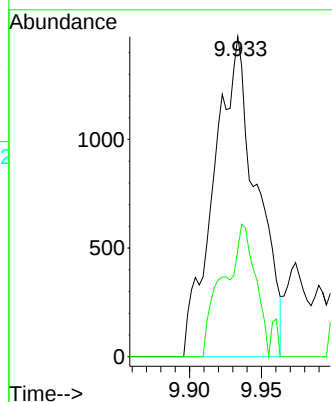
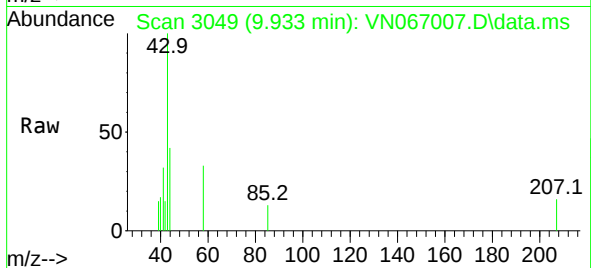




#51
4-Methyl-2-Pentanone
Concen: 0.39 ug/l
RT: 9.933 min Scan# 3049
Delta R.T. 0.010 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

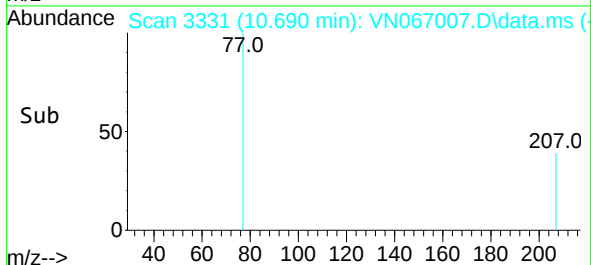
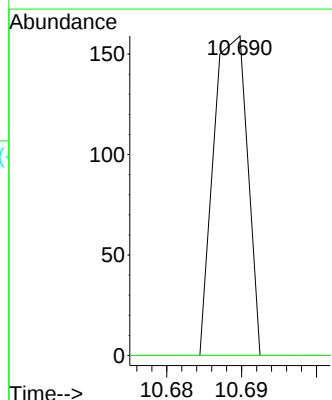
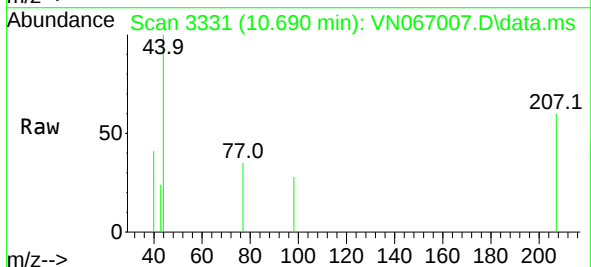
Instrument :
MSVOA_N
ClientSampled :

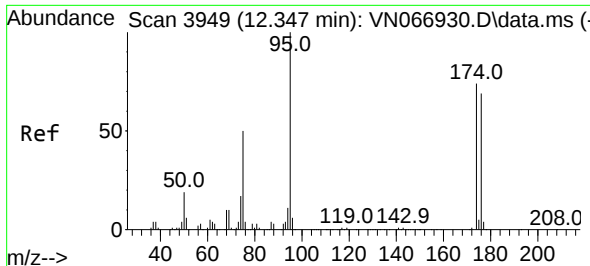
Tgt Ion: 43 Resp: 3043
Ion Ratio Lower Upper
43 100
58 31.2 32.5 48.7#



#59
2-Hexanone
Concen: 28.37 ug/l
RT: 10.690 min Scan# 3331
Delta R.T. -0.005 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

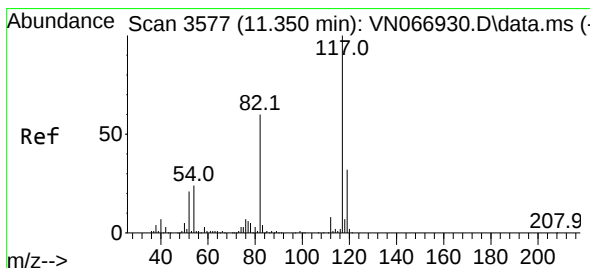
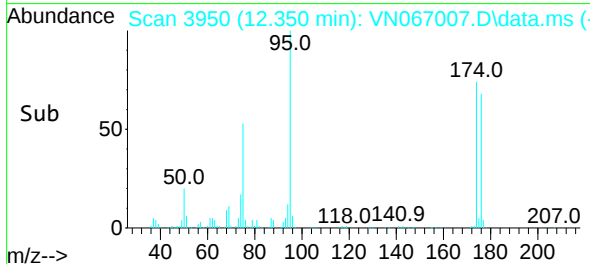
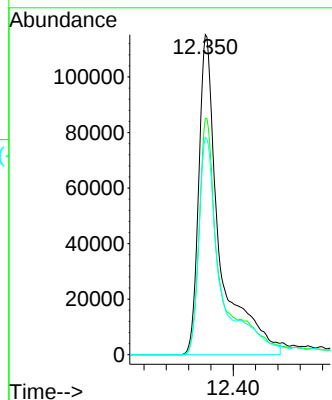
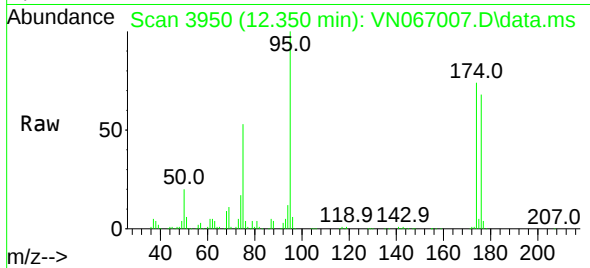




#62
4-Bromofluorobenzene
Concen: 44.29 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

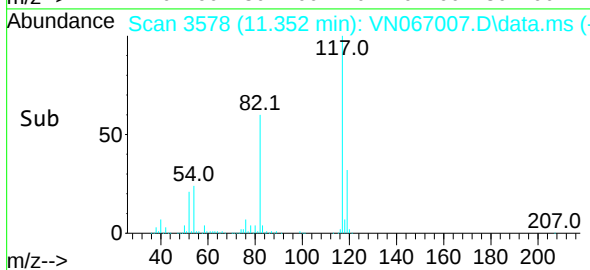
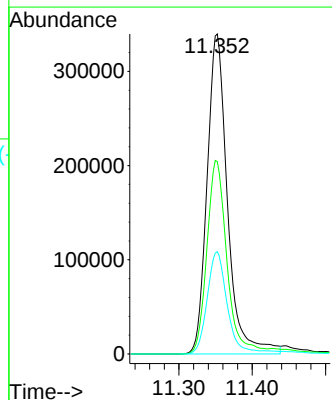
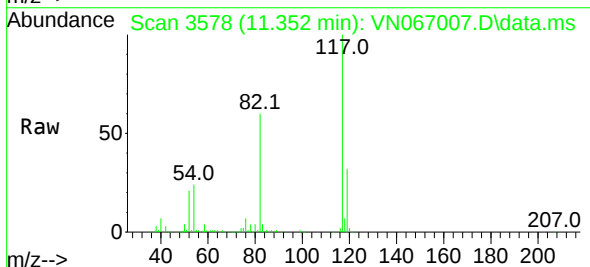
Instrument :
MSVOA_N
ClientSampleId :

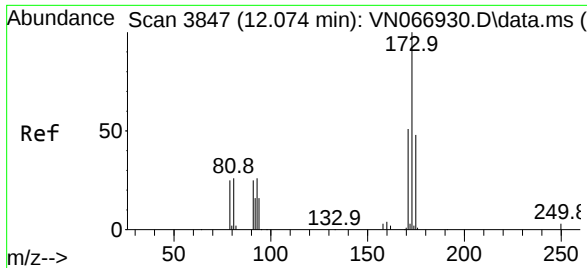
Tgt Ion: 95 Resp: 300982
Ion Ratio Lower Upper
95 100
174 62.0 0.0 169.0
176 58.6 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.352 min Scan# 3578
Delta R.T. 0.002 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Tgt Ion: 117 Resp: 658215
Ion Ratio Lower Upper
117 100
82 60.2 43.7 65.5
119 31.9 26.1 39.1

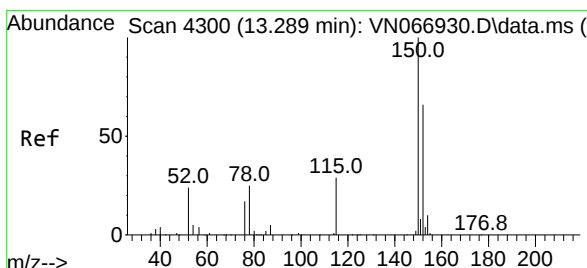
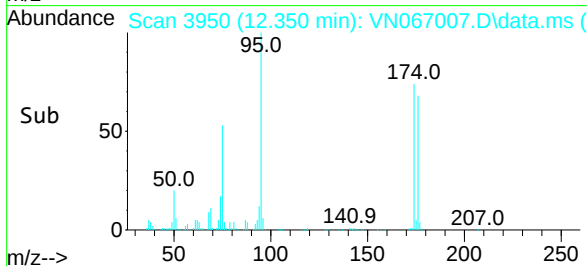
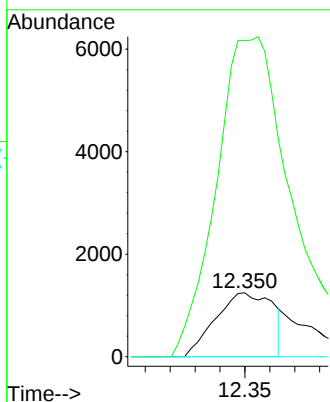
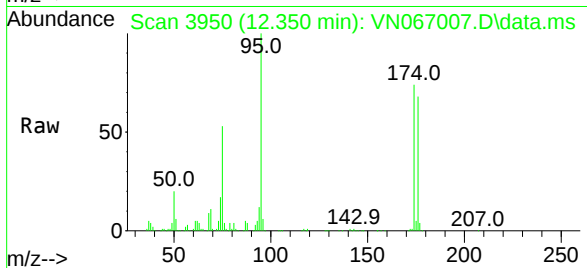




#71
Bromoform
Concen: 0.50 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.276 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

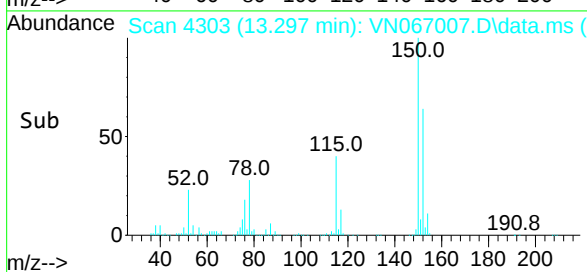
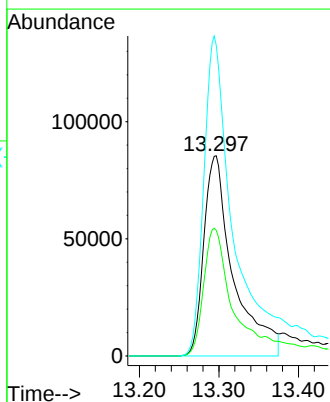
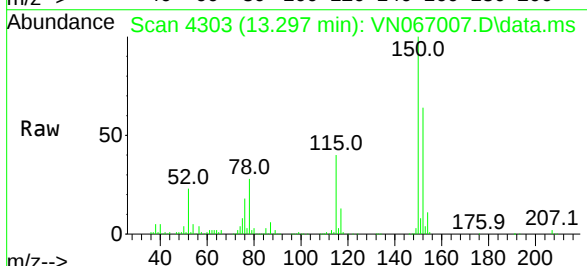
Instrument :
MSVOA_N
ClientSampled :

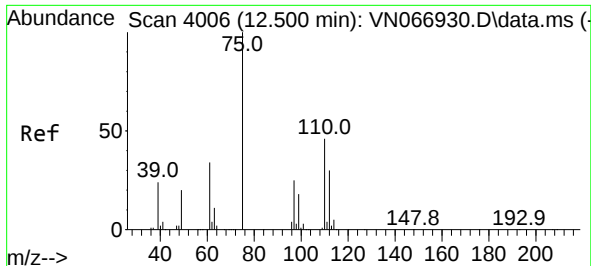
Tgt Ion:173 Resp: 1983
Ion Ratio Lower Upper
173 100
175 502.4 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.297 min Scan# 4303
Delta R.T. 0.008 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Tgt Ion:152 Resp: 220264
Ion Ratio Lower Upper
152 100
115 58.9 28.5 85.6
150 164.2 0.0 347.6

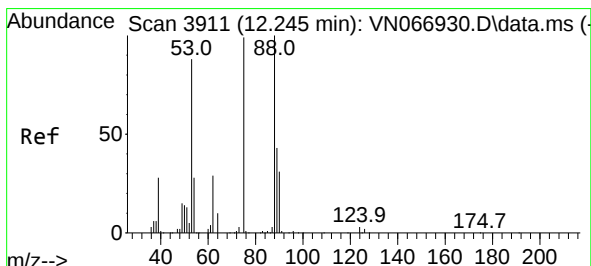
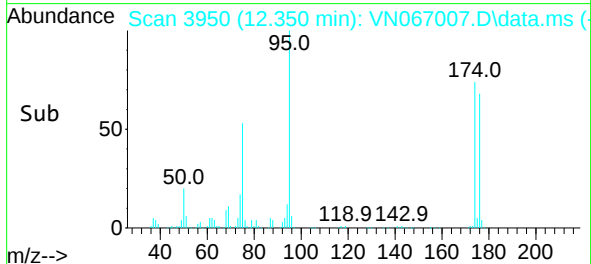
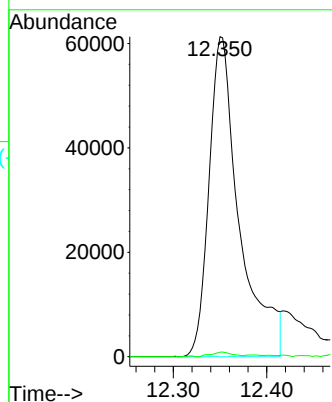
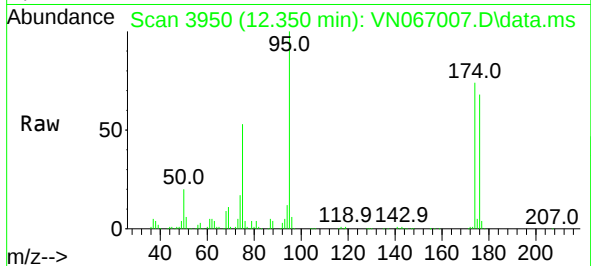




#76
1,2,3-Trichloropropane
Concen: 26.41 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

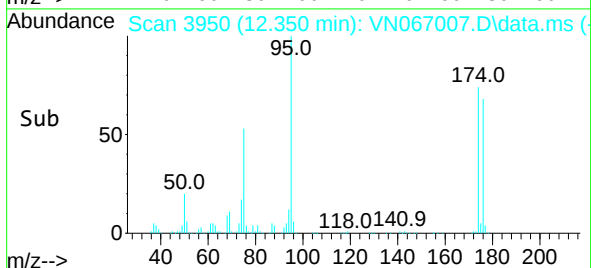
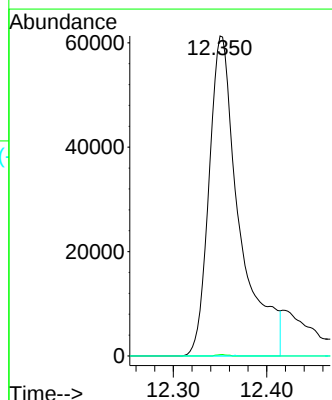
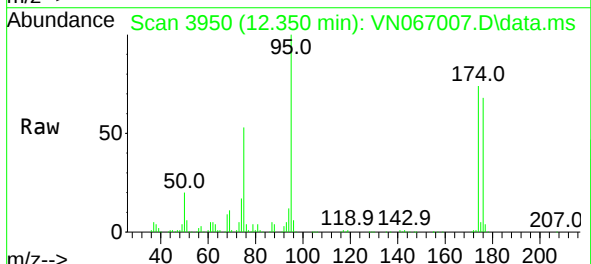
Instrument :
MSVOA_N
ClientSampleId :

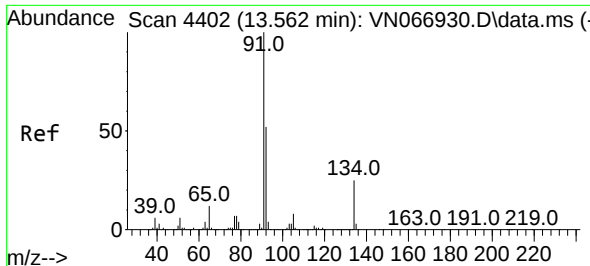
Tgt Ion: 75 Resp: 138596
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.17 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Tgt Ion: 75 Resp: 138596
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.0 35.8 53.8#

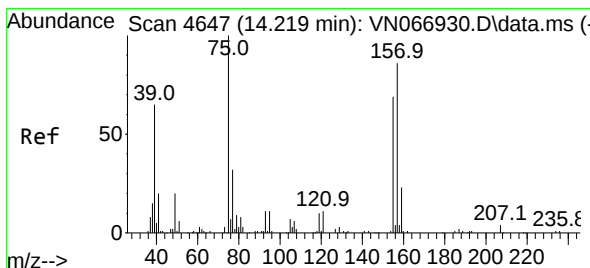
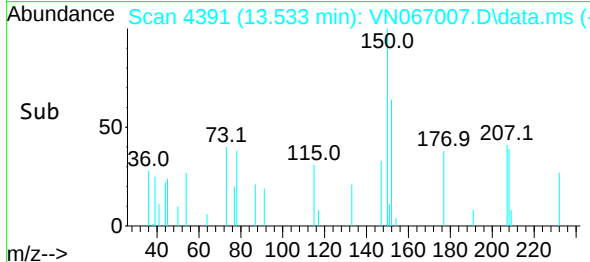
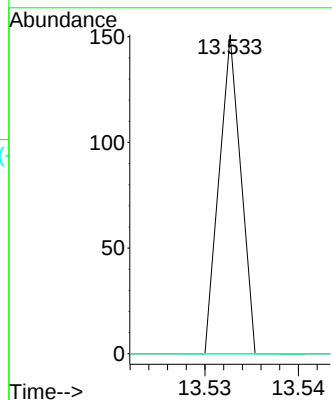
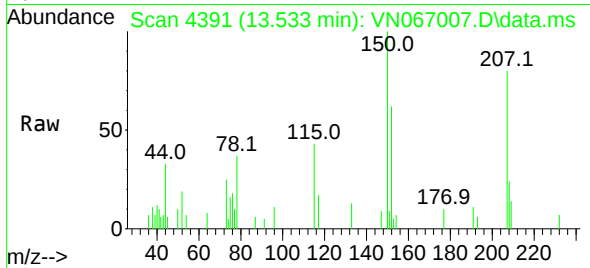




#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.533 min Scan# 4391
Delta R.T. -0.029 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 24
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: 0.25 ug/l
RT: 14.217 min Scan# 4646
Delta R.T. -0.002 min
Lab File: VN067007.D
Acq: 6 May 2021 14:04

Tgt Ion: 75 Resp: 268
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#

