

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050821\
 Data File : VN067062.D
 Acq On : 7 May 2021 19:47
 Operator : JC/MD
 Sample : PB136216ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 08 03:29:24 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)

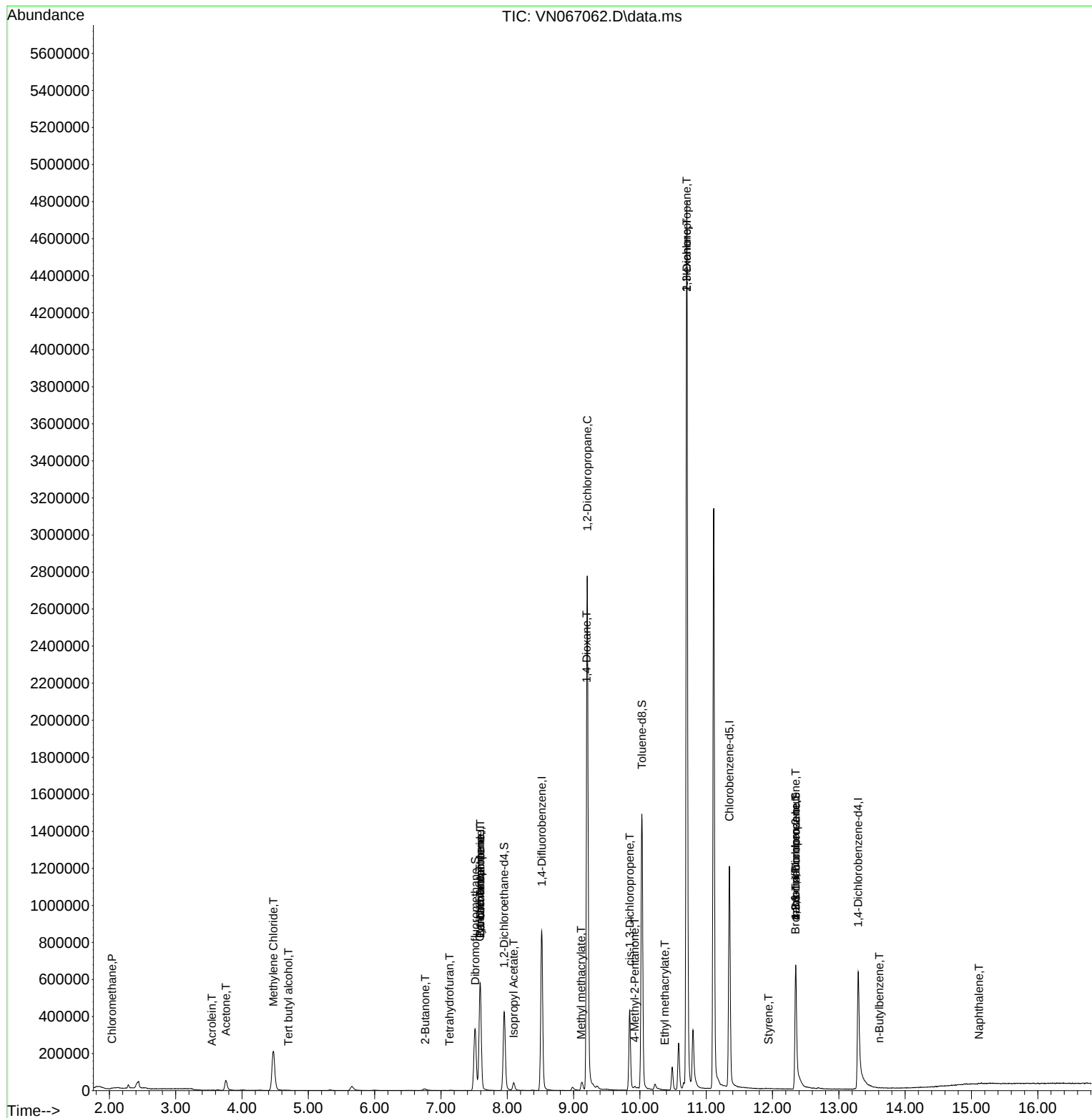
Internal Standards						
1) Pentafluorobenzene	7.592	168	442559	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.520	114	745093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	685392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	253635	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	376725	54.08	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.16%			
35) Dibromofluoromethane	7.517	113	265526	52.48	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.96%			
50) Toluene-d8	10.030	98	1037877	53.86	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.72%			
62) 4-Bromofluorobenzene	12.350	95	315234	48.32	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.64%			
Target Compounds						Qvalue
3) Chloromethane	2.038	50	1800	0.21	ug/l	92
11) Tert butyl alcohol	4.698	59	342	0.35	ug/l #	73
13) Acrolein	3.545	56	515	0.63	ug/l #	20
16) Acetone	3.757	43	92054	37.57	ug/l	98
20) Methylene Chloride	4.473	84	156984	25.26	ug/l	92
25) 2-Butanone	6.763	43	5982	1.66	ug/l #	86
29) Tetrahydrofuran	7.131	42	597	0.25	ug/l #	73
31) Cyclohexane	7.587	56	10841	1.11	ug/l #	14
36) 1,1-Dichloropropene	7.592	75	38367	4.94	ug/l #	45
38) Carbon Tetrachloride	7.592	117	46280	5.72	ug/l #	18
43) Isopropyl Acetate	8.096	43	51982	4.05	ug/l #	87
45) 1,2-Dichloropropane	9.207	63	3797	0.56	ug/l #	44
48) Methyl methacrylate	9.115	41	12340	2.17	ug/l #	10
49) 1,4-Dioxane	9.196	88	189	2.10	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	12251	1.65	ug/l	95
54) cis-1,3-Dichloropropene	9.845	75	80776	7.91	ug/l #	62
56) Ethyl methacrylate	10.376	69	292	5.22	ug/l #	27
57) 1,3-Dichloropropane	10.706	76	49137	4.88	ug/l #	43
59) 2-Hexanone	10.706	43	699753	142.76	ug/l #	50
70) Styrene	11.940	104	113	4.72	ug/l #	72
71) Bromoform	12.345	173	897	0.22	ug/l #	29
76) 1,2,3-Trichloropropane	12.350	75	159437	26.39	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	159437	79.10	ug/l #	12
89) n-Butylbenzene	13.613	91	173	5.25	ug/l #	34
95) Naphthalene	15.115	128	2370	0.21	ug/l #	76

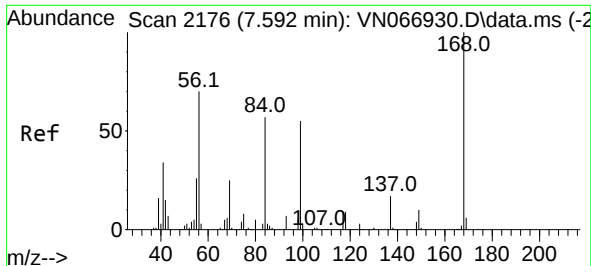
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 05 07:24:52 2021
Response via : Initial Calibration

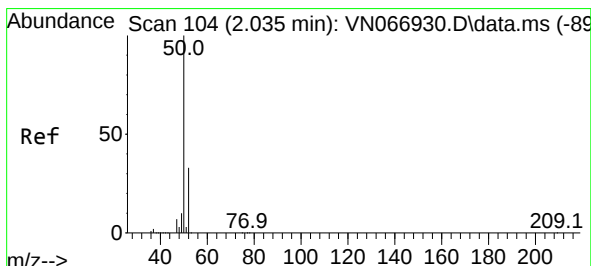
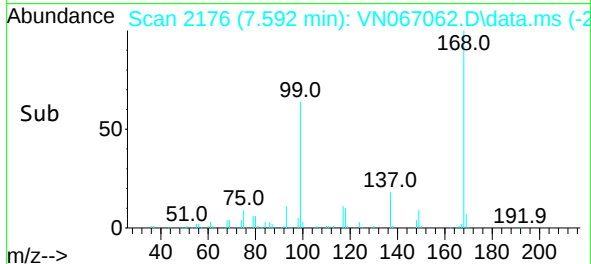
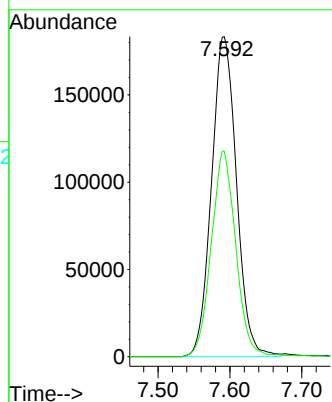
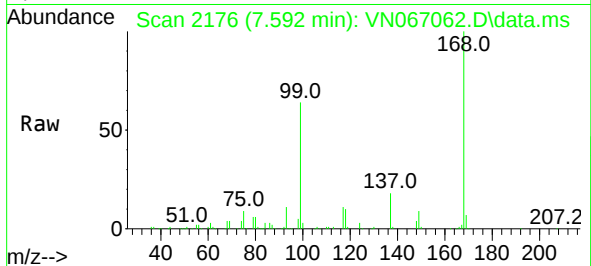




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

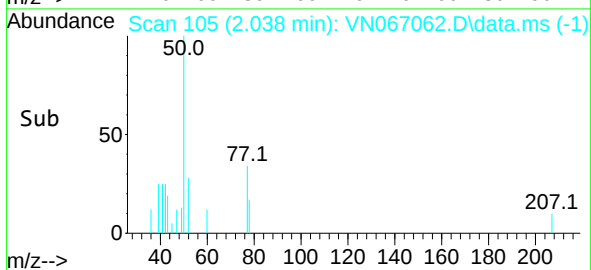
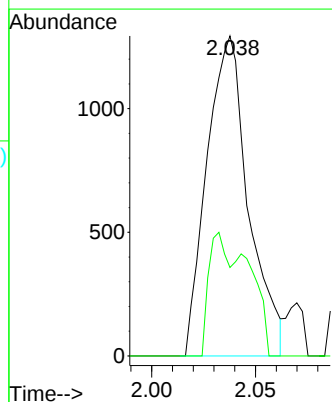
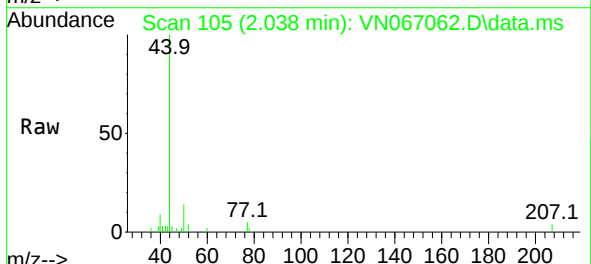
Instrument :
MSVOA_N
ClientSampleId :

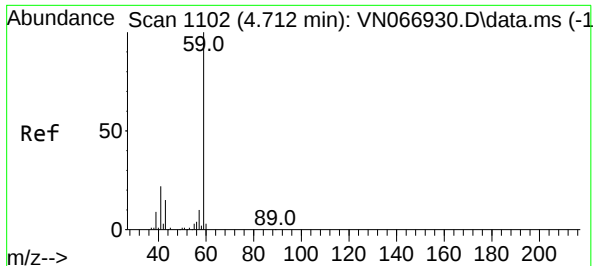
Tgt Ion:168 Resp: 442559
Ion Ratio Lower Upper
168 100
99 64.3 42.6 63.8#



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.038 min Scan# 105
Delta R.T. 0.003 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Tgt Ion: 50 Resp: 1800
Ion Ratio Lower Upper
50 100
52 27.7 25.8 38.8

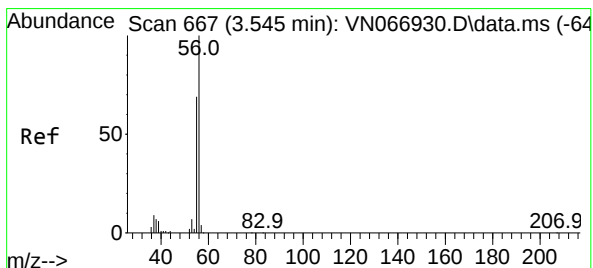
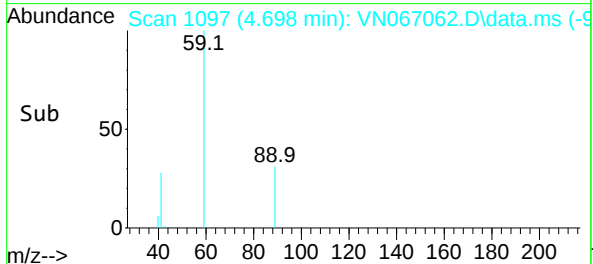
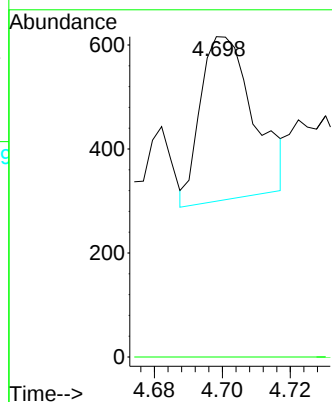
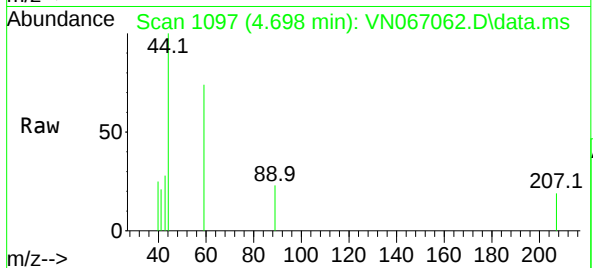




#11
Tert butyl alcohol
Concen: 0.35 ug/l
RT: 4.698 min Scan# 1097
Delta R.T. -0.014 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

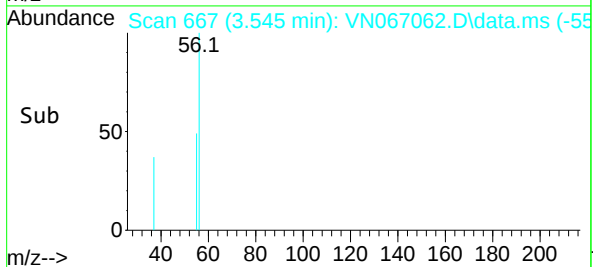
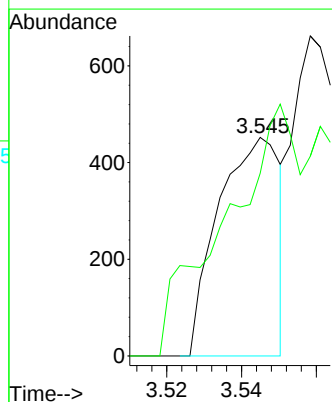
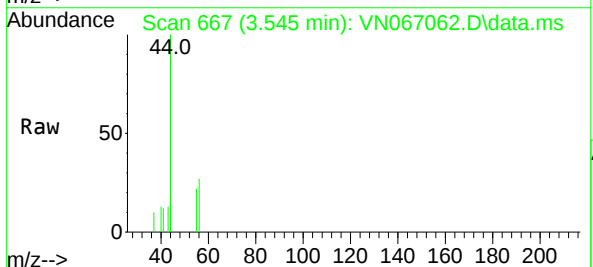
Instrument :
MSVOA_N
ClientSampled :

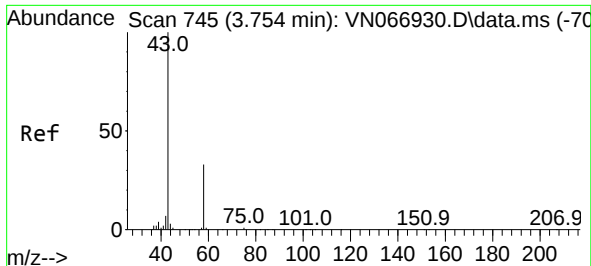
Tgt Ion: 59 Resp: 342
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 0.63 ug/l
RT: 3.545 min Scan# 667
Delta R.T. -0.000 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

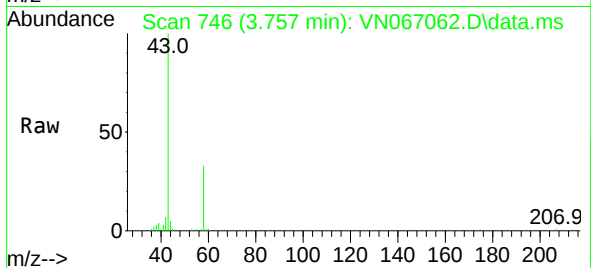
Tgt Ion: 56 Resp: 515
Ion Ratio Lower Upper
56 100
55 135.3 56.0 84.0#



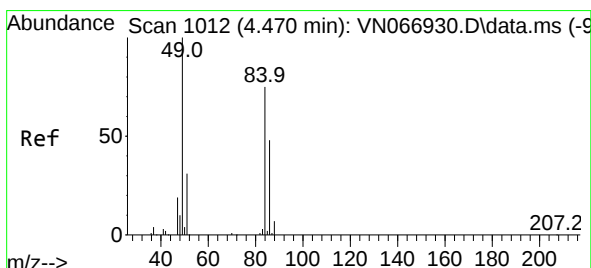
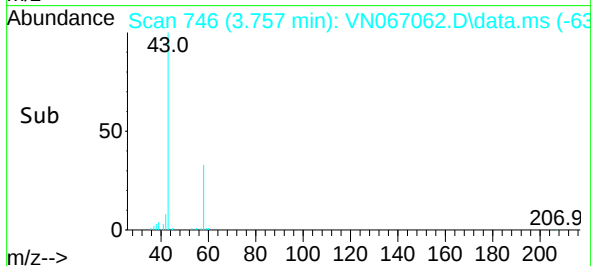
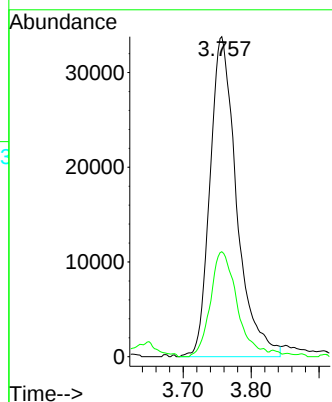


#16
Acetone
Concen: 37.57 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Instrument :
MSVOA_N
ClientSampled :

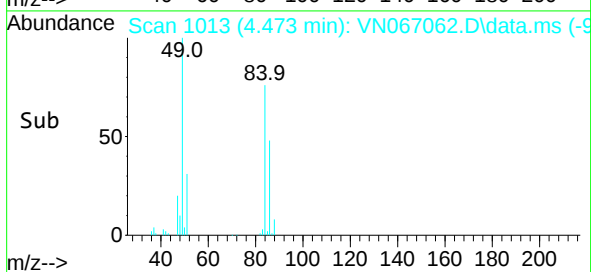
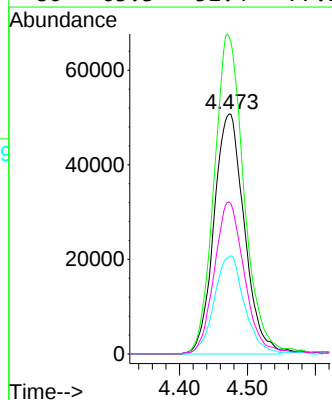
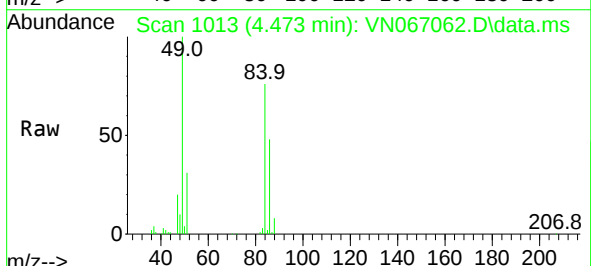


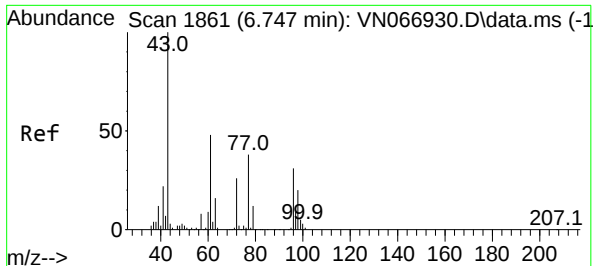
Tgt Ion: 43 Resp: 92054
Ion Ratio Lower Upper
43 100
58 32.8 27.0 40.6



#20
Methylene Chloride
Concen: 25.26 ug/l
RT: 4.473 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Tgt Ion: 84 Resp: 156984
Ion Ratio Lower Upper
84 100
49 132.1 94.6 141.8
51 40.5 29.9 44.9
86 63.3 51.4 77.2

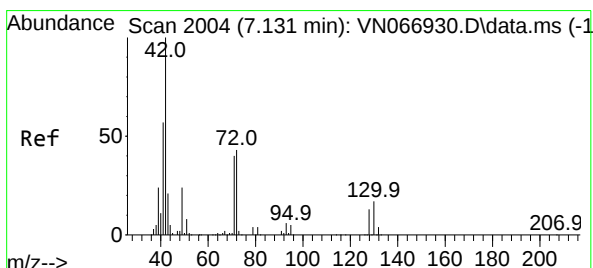
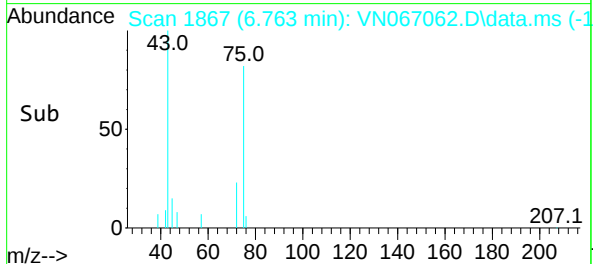
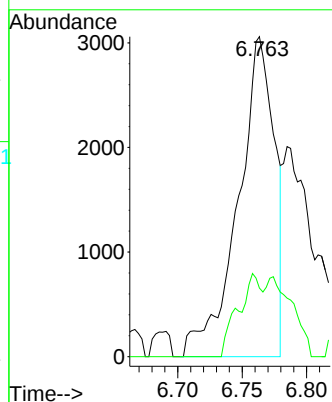
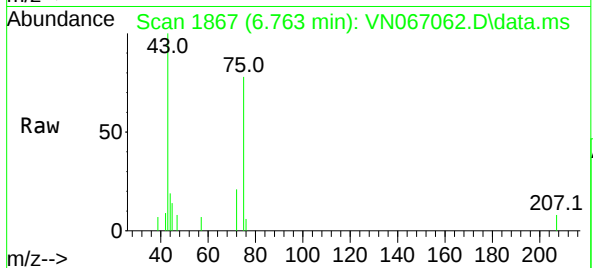




#25
2-Butanone
Concen: 1.66 ug/l
RT: 6.763 min Scan# 1867
Delta R.T. 0.016 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

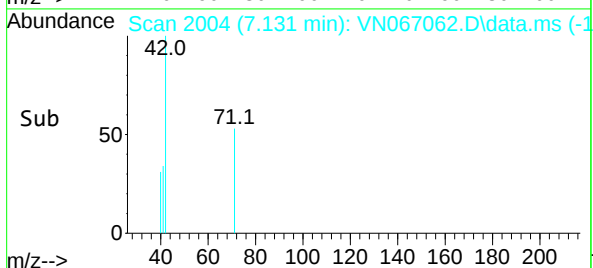
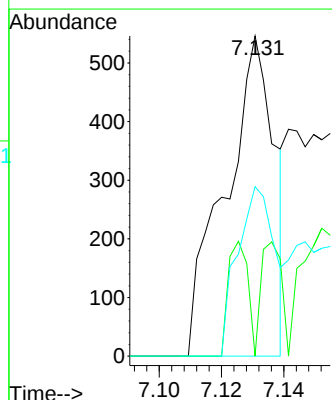
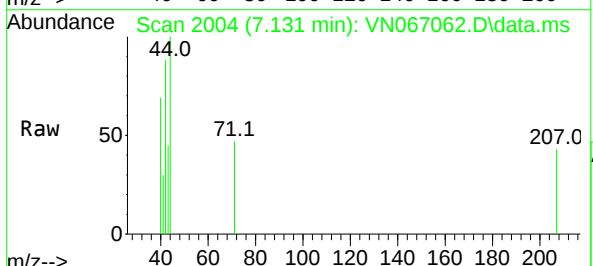
Instrument :
MSVOA_N
ClientSampled :

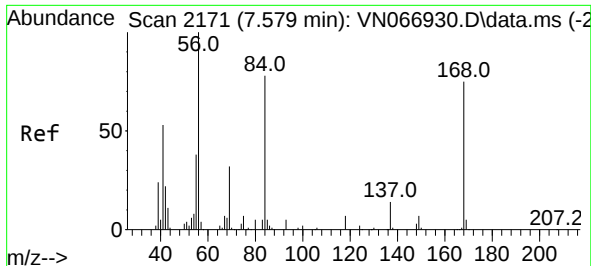
Tgt Ion: 43 Resp: 5982
Ion Ratio Lower Upper
43 100
72 21.4 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.25 ug/l
RT: 7.131 min Scan# 2004
Delta R.T. -0.000 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

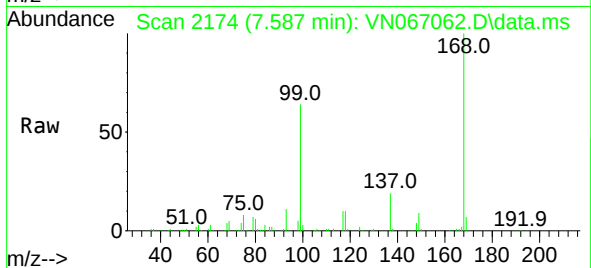
Tgt Ion: 42 Resp: 597
Ion Ratio Lower Upper
42 100
72 14.6 36.6 55.0#
71 39.9 34.3 51.5



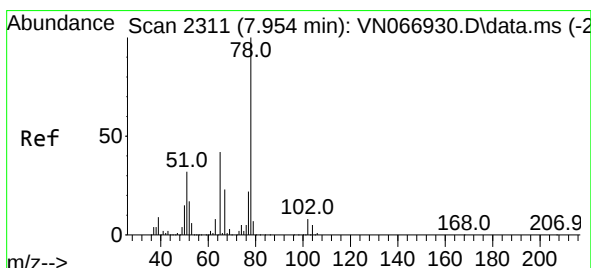
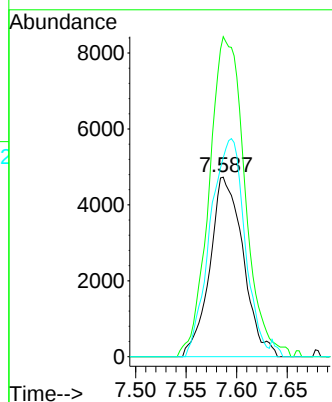
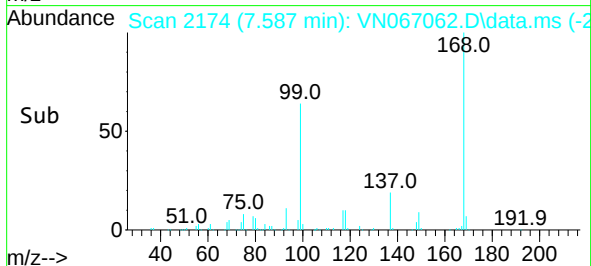


#31
Cyclohexane
Concen: 1.11 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. 0.008 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

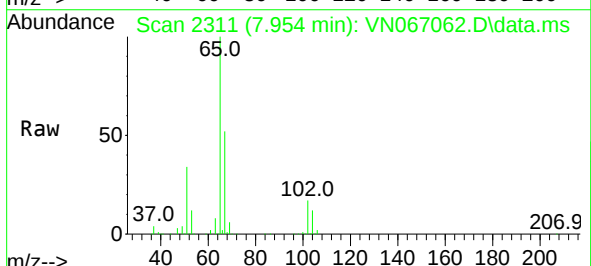
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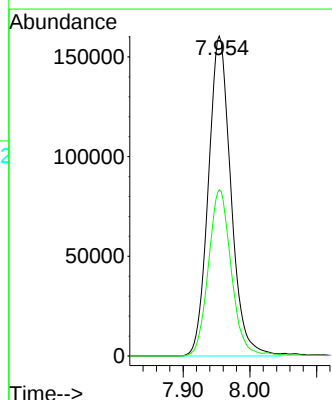
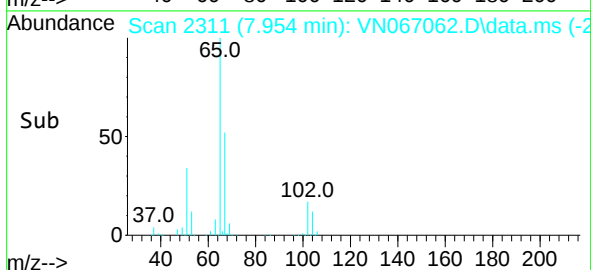
Tgt Ion: 56 Resp: 10841
Ion Ratio Lower Upper
56 100
69 174.9 26.6 39.8#
84 110.8 70.4 105.6#

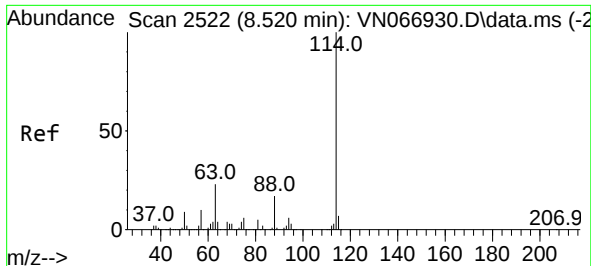


#33
1,2-Dichloroethane-d4
Concen: 54.08 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47



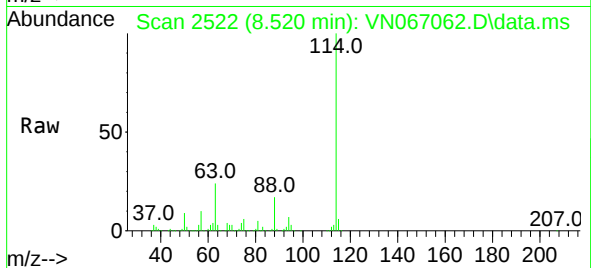
Tgt Ion: 65 Resp: 376725
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.2



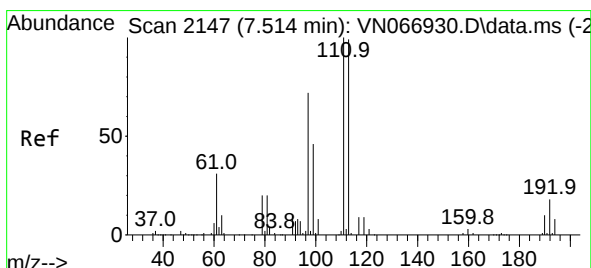
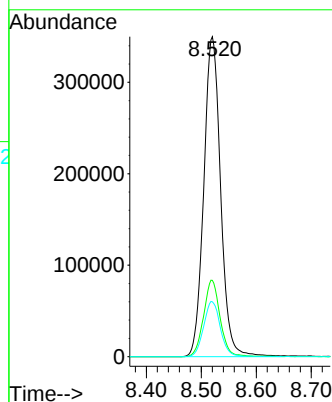
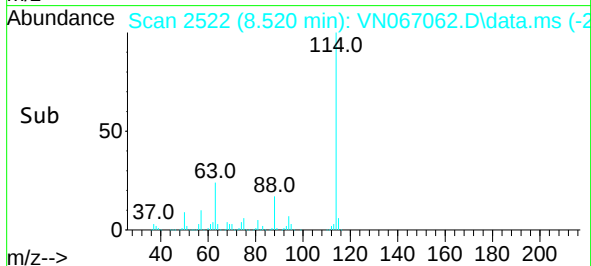


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

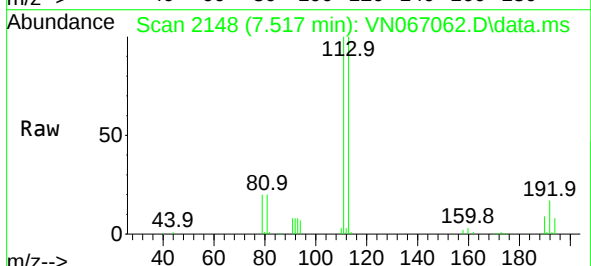
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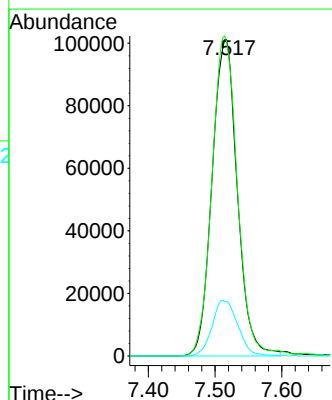
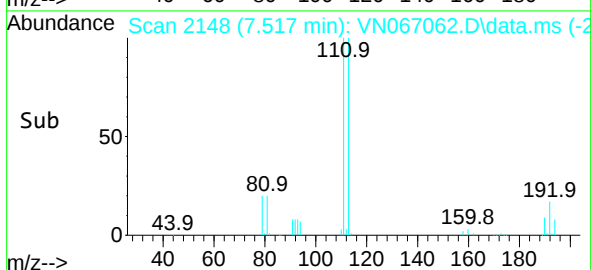
Tgt Ion:114 Resp: 745093
Ion Ratio Lower Upper
114 100
63 23.9 0.0 38.6
88 17.2 0.0 30.6

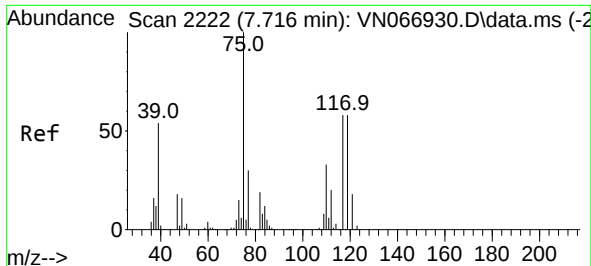


#35
Dibromofluoromethane
Concen: 52.48 ug/l
RT: 7.517 min Scan# 2148
Delta R.T. 0.003 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47



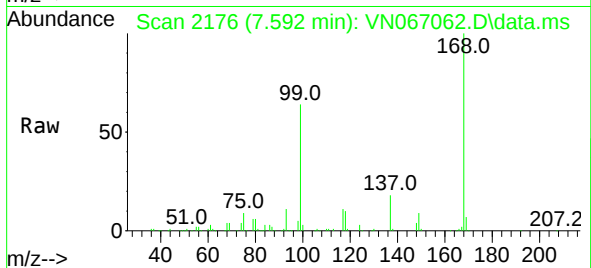
Tgt Ion:113 Resp: 265526
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 17.9 15.4 23.0



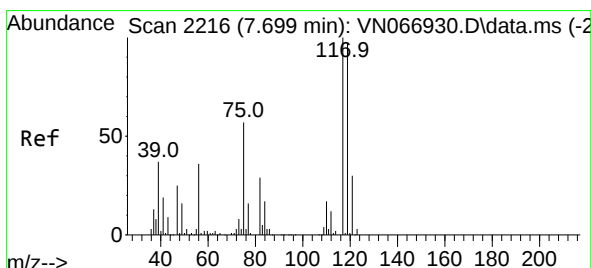
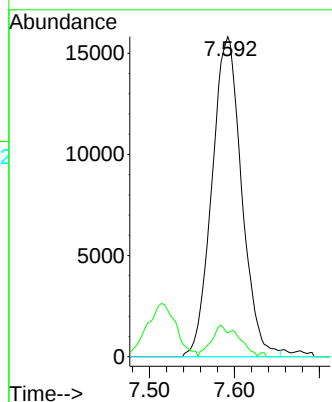
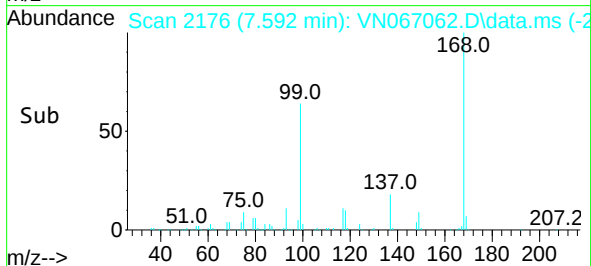


#36
1,1-Dichloropropene
Concen: 4.94 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.124 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

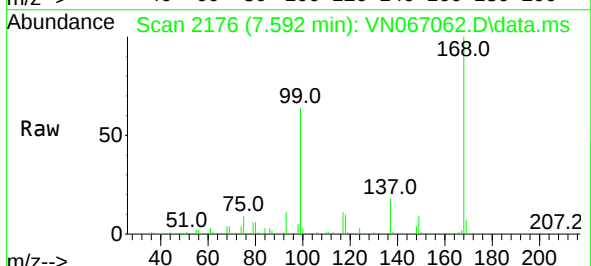
Instrument :
MSVOA_N
ClientSampleId :



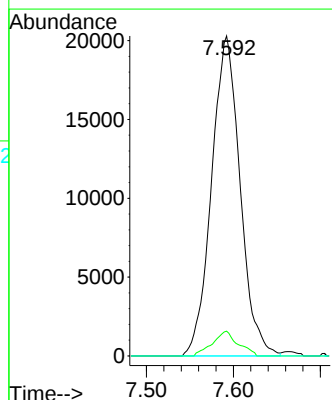
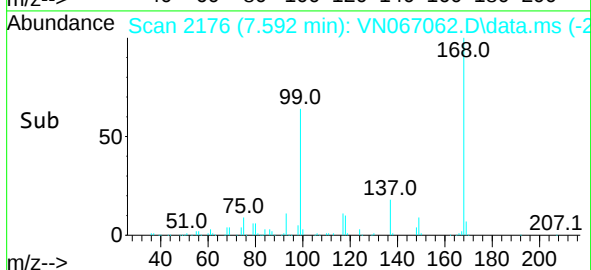
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Ion Ratio Lower Upper
75 100
110 5.1 18.2 54.6#
77 0.0 24.9 37.3#

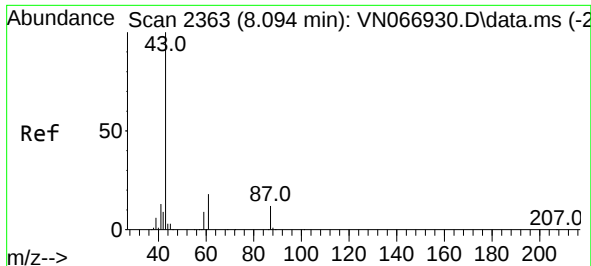


#38
Carbon Tetrachloride
Concen: 5.72 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47



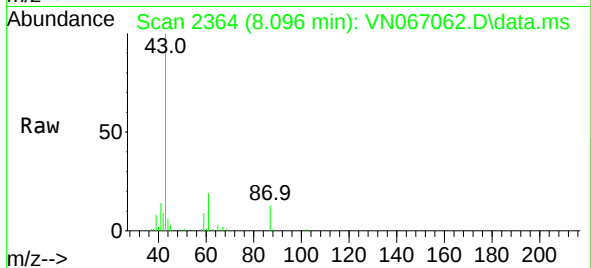
Tgt Ion: 117 Resp: 46280
Ion Ratio Lower Upper
117 100
119 7.8 76.0 114.0#
121 0.0 24.5 36.7#



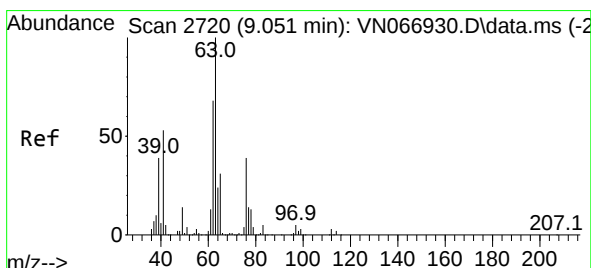
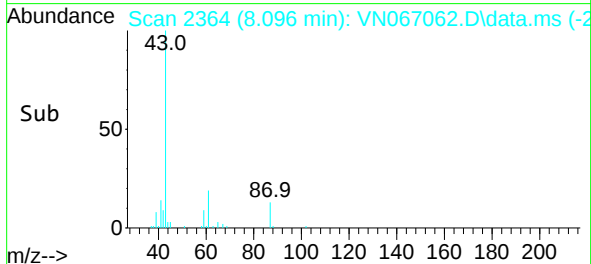
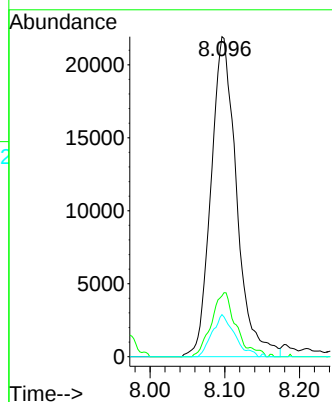


#43
Isopropyl Acetate
Concen: 4.05 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Instrument :
MSVOA_N
ClientSampled :

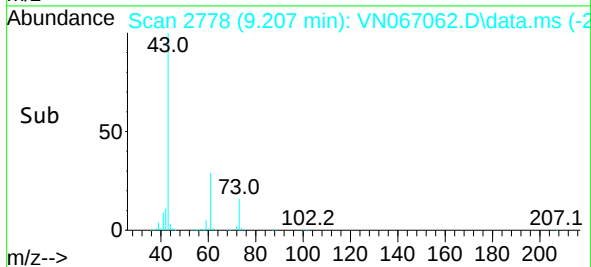
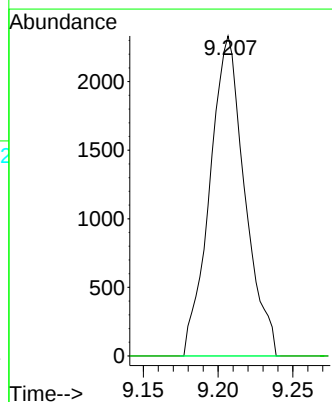
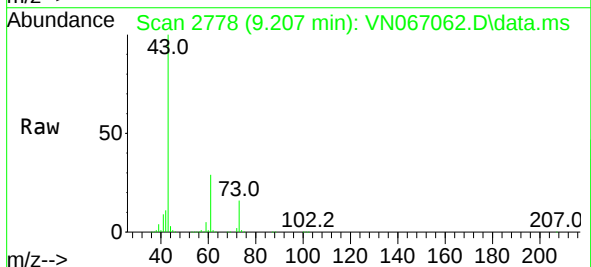


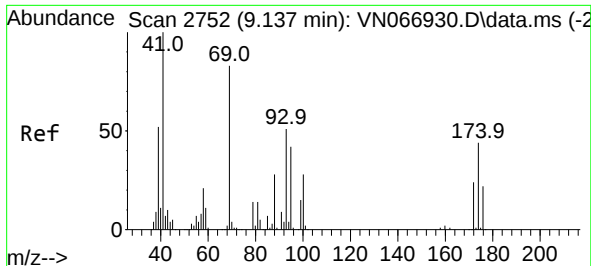
Tgt Ion: 43 Resp: 51982
Ion Ratio Lower Upper
43 100
61 19.4 22.5 33.7#
87 11.5 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.56 ug/l
RT: 9.207 min Scan# 2778
Delta R.T. 0.156 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

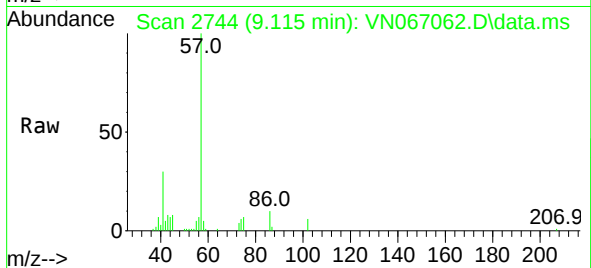
Tgt Ion: 63 Resp: 3797
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



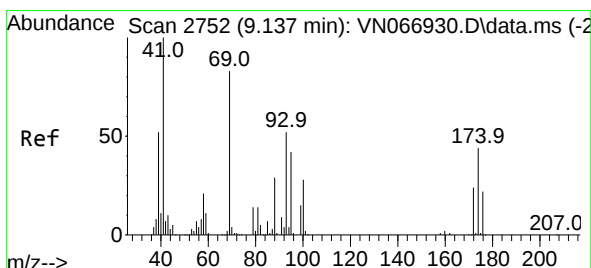
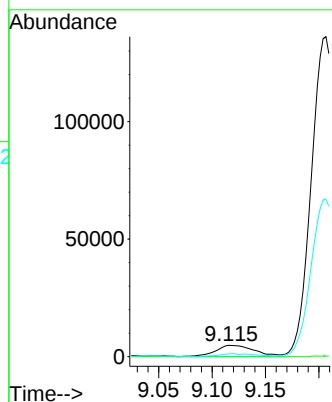
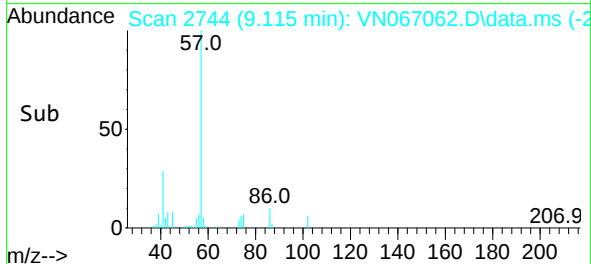


#48
Methyl methacrylate
Concen: 2.17 ug/l
RT: 9.115 min Scan# 2744
Delta R.T. -0.022 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

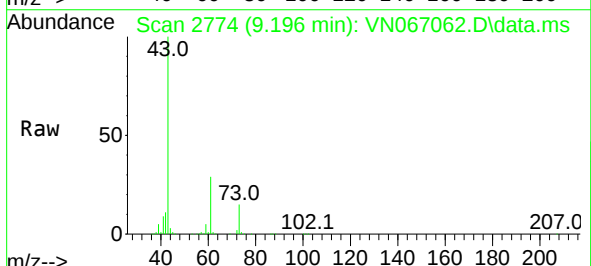
Instrument :
MSVOA_N
ClientSampled :



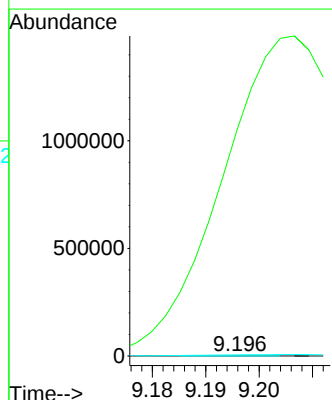
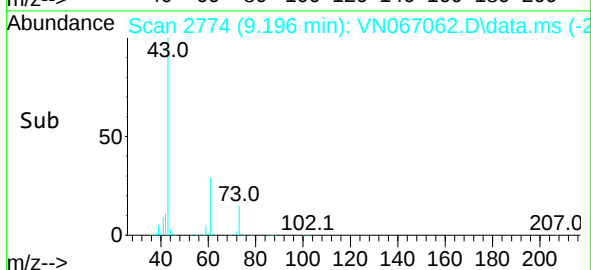
Tgt Ion: 41 Resp: 12340
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

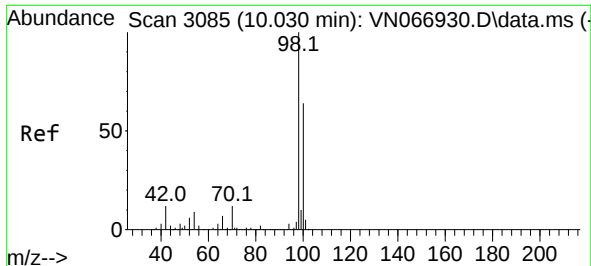


#49
1,4-Dioxane
Concen: 2.10 ug/l
RT: 9.196 min Scan# 2774
Delta R.T. 0.059 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47



Tgt Ion: 88 Resp: 189
Ion Ratio Lower Upper
88 100
43 1504316.4 24.7 37.1#
58 7086.2 52.6 78.8#

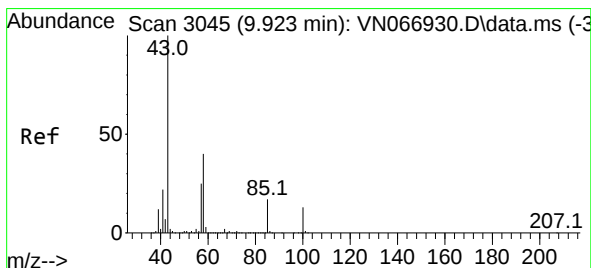
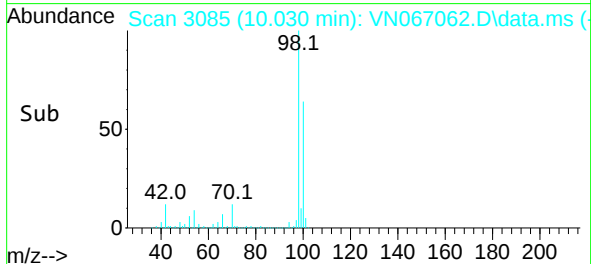
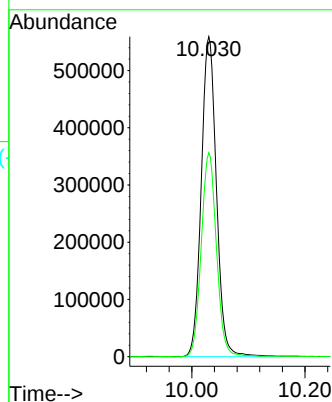
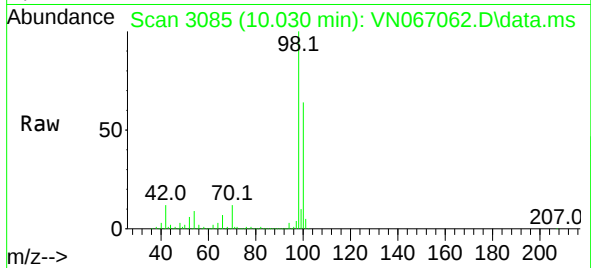




#50
Toluene-d8
Concen: 53.86 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. -0.000 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

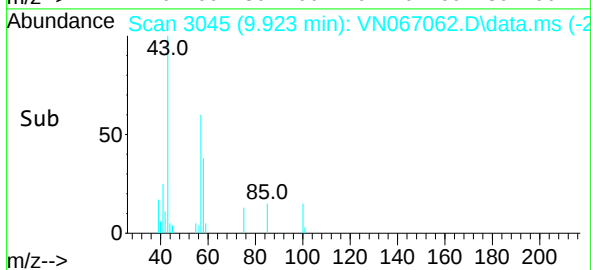
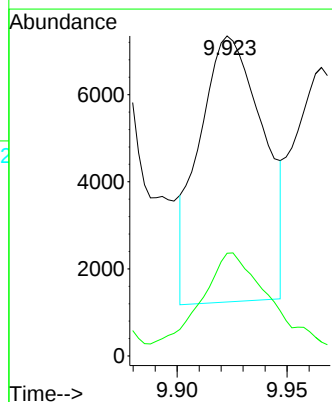
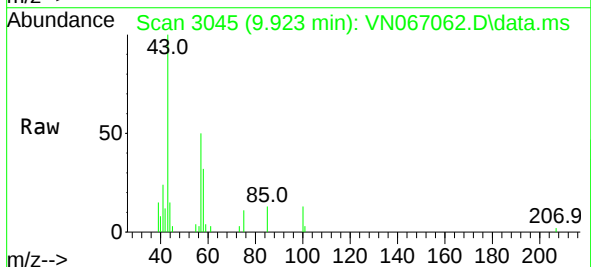
Instrument :
MSVOA_N
ClientSampled :

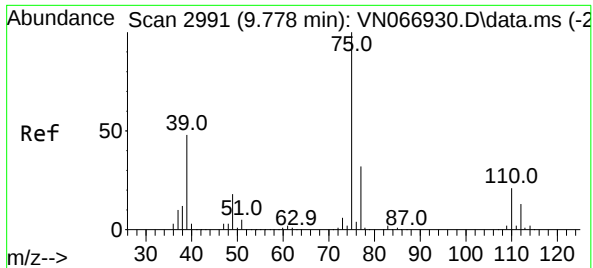
Tgt Ion: 98 Resp: 1037877
Ion Ratio Lower Upper
98 100
100 63.7 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.65 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Tgt Ion: 43 Resp: 12251
Ion Ratio Lower Upper
43 100
58 37.5 32.5 48.7

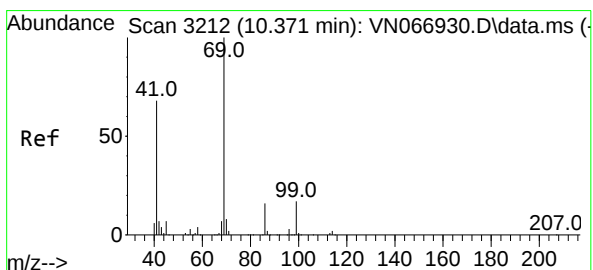
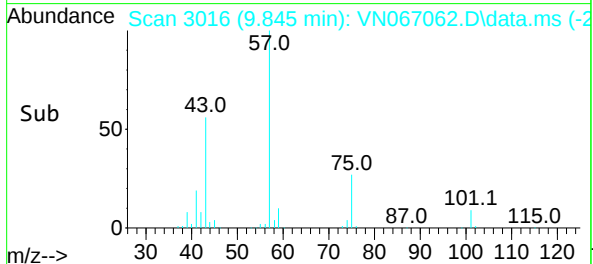
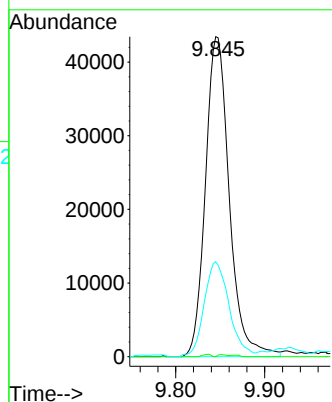
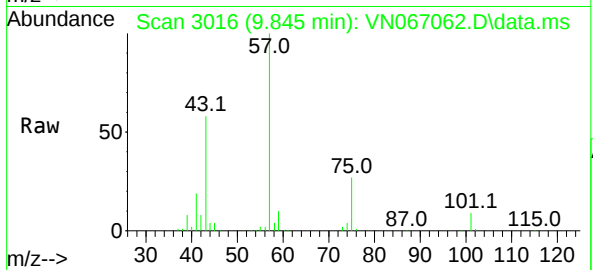




#54
cis-1,3-Dichloropropene
Concen: 7.91 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

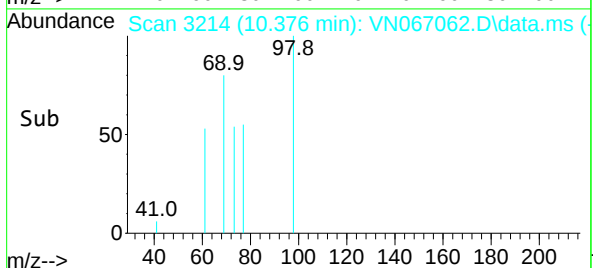
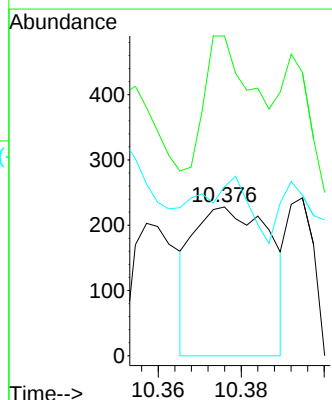
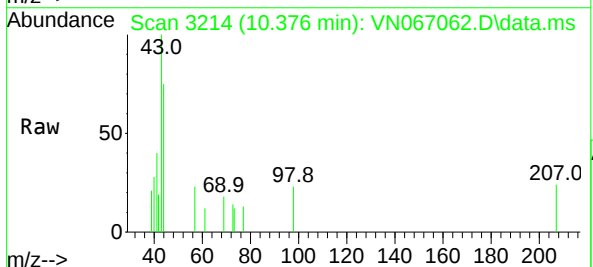
Instrument :
MSVOA_N
ClientSampled :

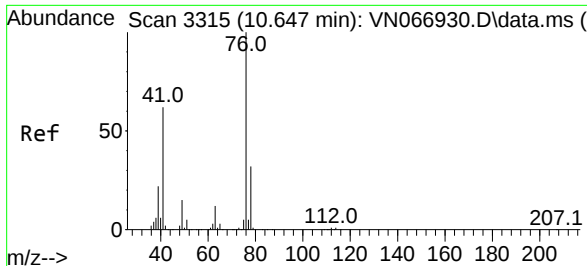
Tgt Ion: 75 Resp: 80776
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 29.0 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.22 ug/l
RT: 10.376 min Scan# 3214
Delta R.T. 0.005 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Tgt Ion: 69 Resp: 292
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

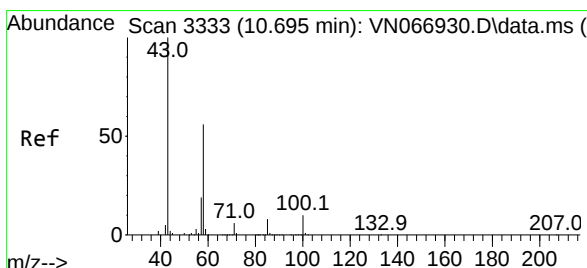
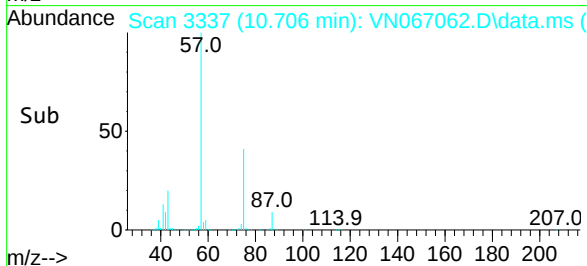
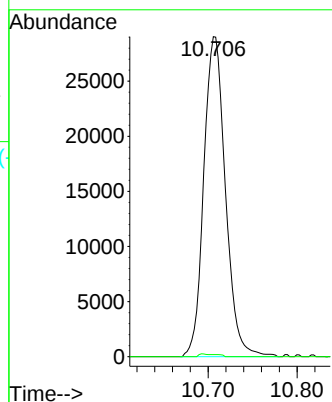
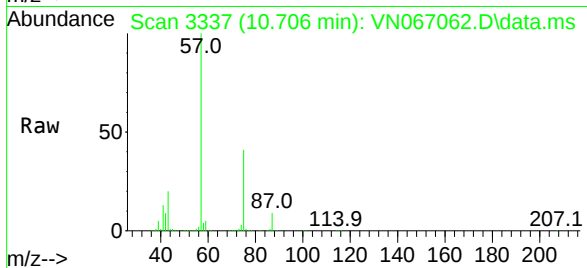




#57
1,3-Dichloropropane
Concen: 4.88 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

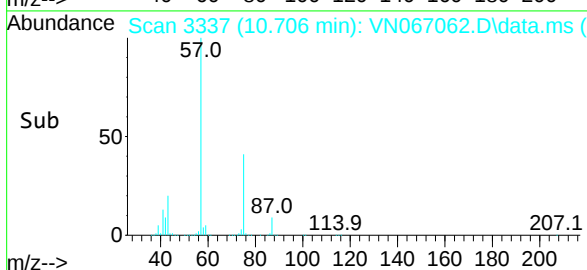
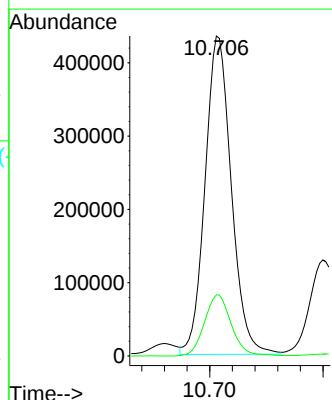
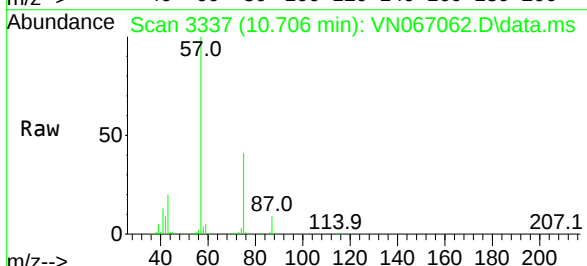
Instrument :
MSVOA_N
ClientSampled :

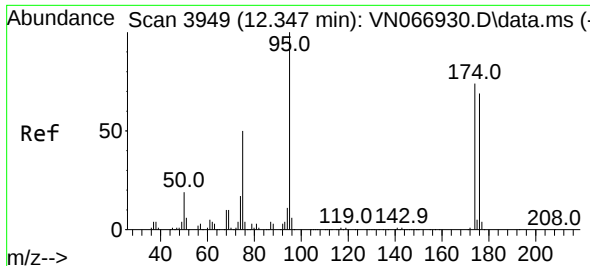
Tgt Ion: 76 Resp: 49137
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#



#59
2-Hexanone
Concen: 142.76 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Tgt Ion: 43 Resp: 699753
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#

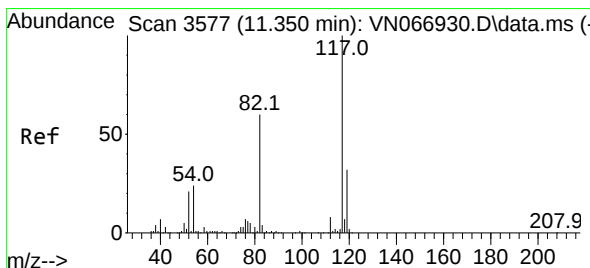
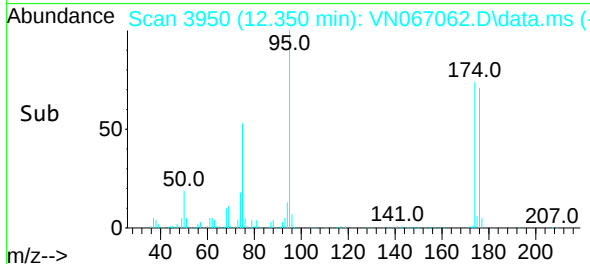
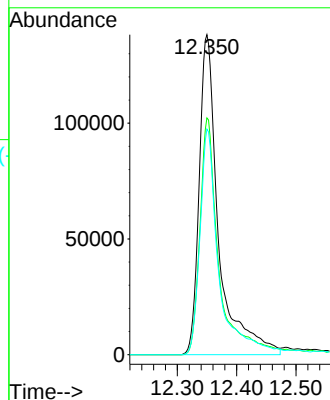
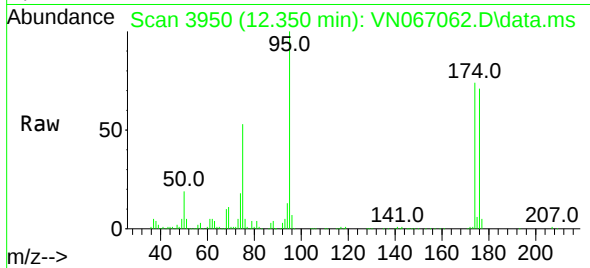




#62
4-Bromofluorobenzene
Concen: 48.32 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

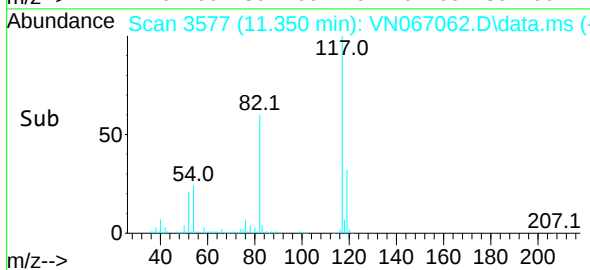
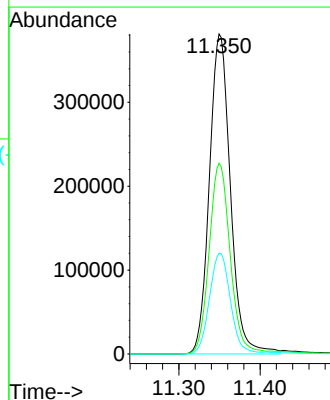
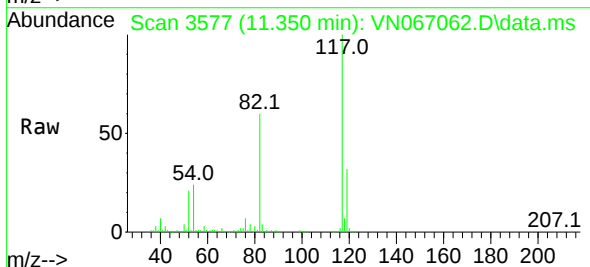
Instrument :
MSVOA_N
ClientSampled :

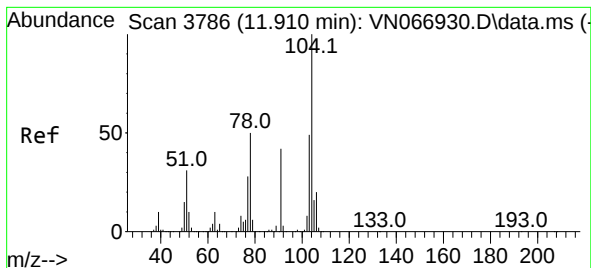
Tgt Ion: 95 Resp: 315234
Ion Ratio Lower Upper
95 100
174 72.2 0.0 169.0
176 67.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Tgt Ion: 117 Resp: 685392
Ion Ratio Lower Upper
117 100
82 59.6 43.7 65.5
119 31.5 26.1 39.1





#70

Styrene

Concen: 4.72 ug/l

RT: 11.940 min Scan# 3797

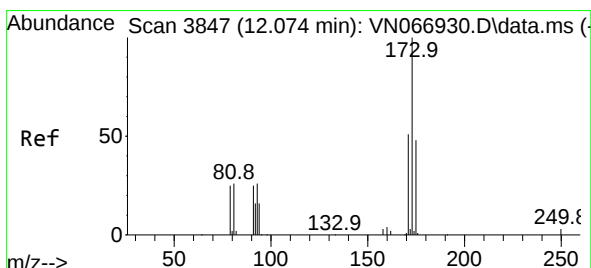
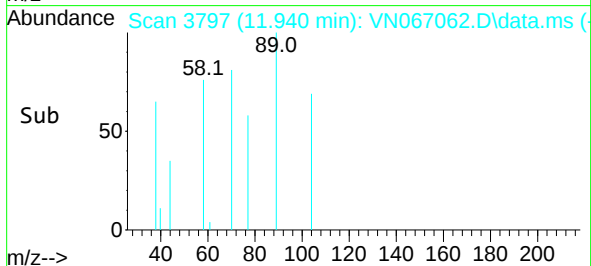
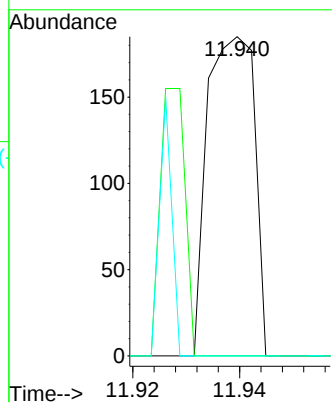
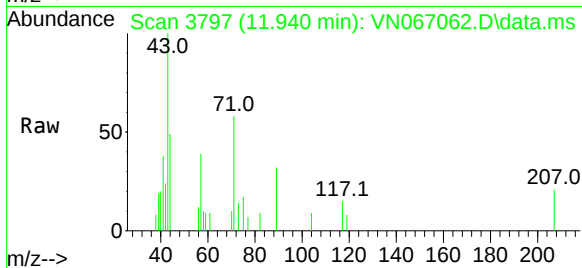
Delta R.T. 0.030 min

Lab File: VN067062.D

Acq: 7 May 2021 19:47

Tgt Ion:104	Resp:	113
Ion Ratio	Lower	Upper
104	100	
78	44.2	39.0 58.4
103	21.2	44.5 66.7#

Instrument :
MSVOA_N
ClientSampled :



#71

Bromoform

Concen: 0.22 ug/l

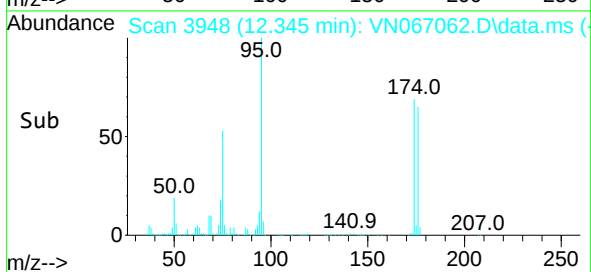
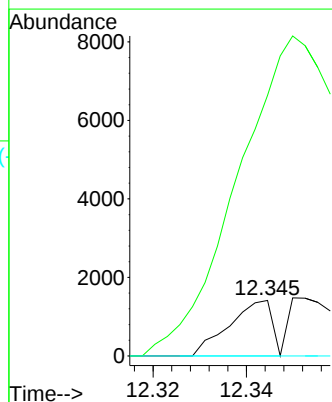
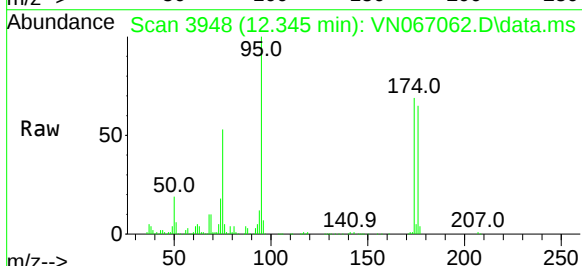
RT: 12.345 min Scan# 3948

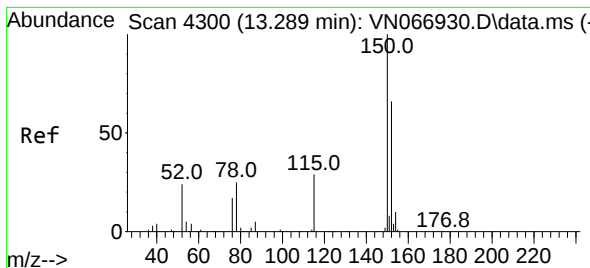
Delta R.T. 0.271 min

Lab File: VN067062.D

Acq: 7 May 2021 19:47

Tgt Ion:173	Resp:	897
Ion Ratio	Lower	Upper
173	100	
175	0.0	23.8 71.2#
254	0.0	0.0 0.0



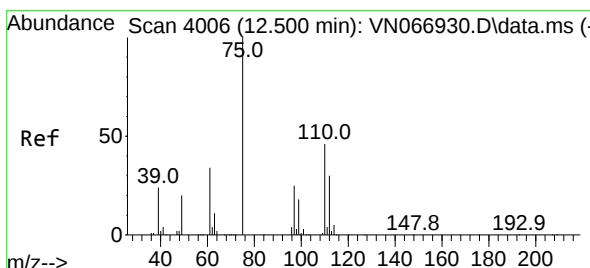
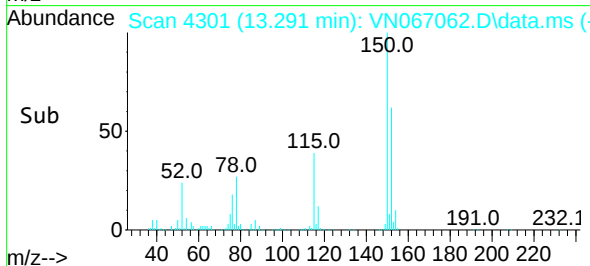
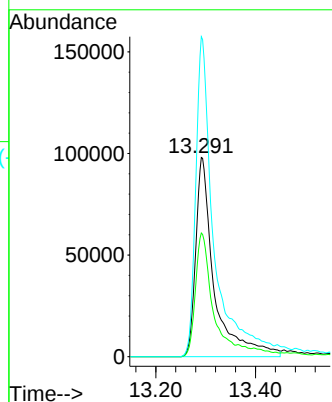
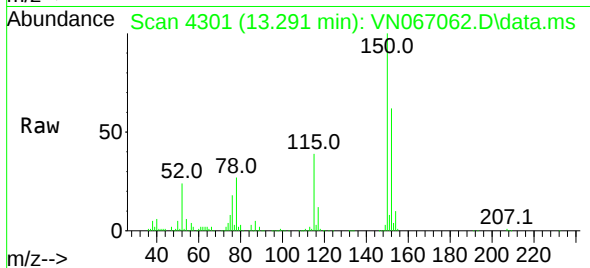


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4301
Delta R.T. 0.002 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Instrument :
MSVOA_N
ClientSampleId :

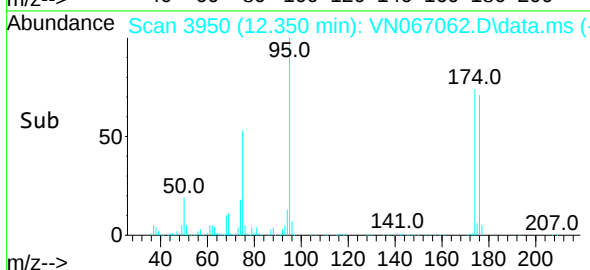
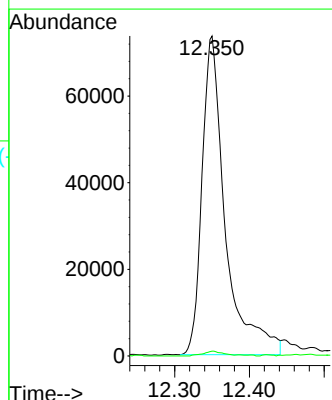
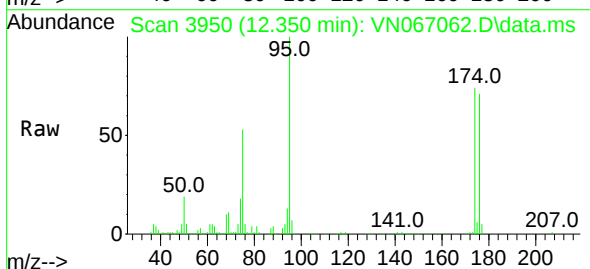
Tgt Ion:152 Resp: 253635
Ion Ratio Lower Upper
152 100
115 55.9 28.5 85.6
150 157.9 0.0 347.6

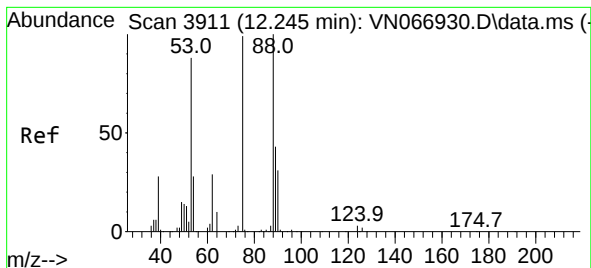


#76

1,2,3-Trichloropropane
Concen: 26.39 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Tgt Ion: 75 Resp: 159437
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

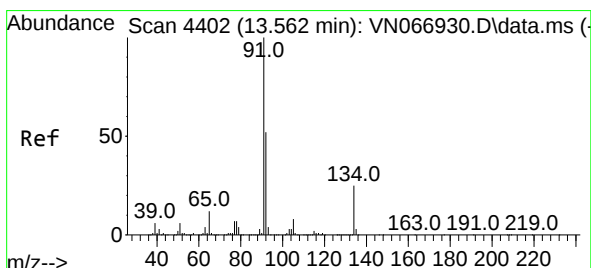
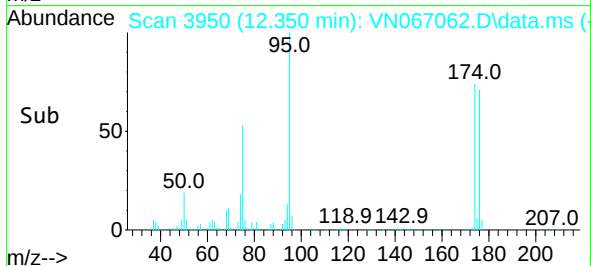
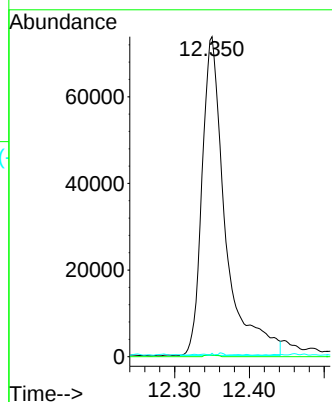
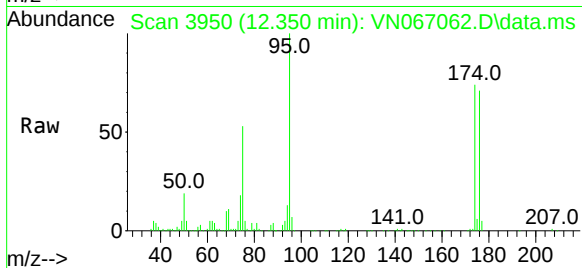




#81
trans-1,4-Dichloro-2-butene
Concen: 79.10 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

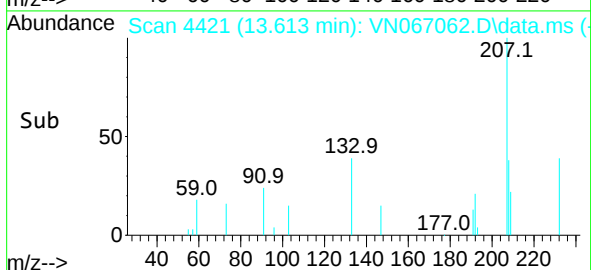
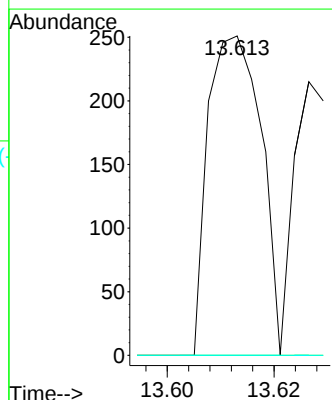
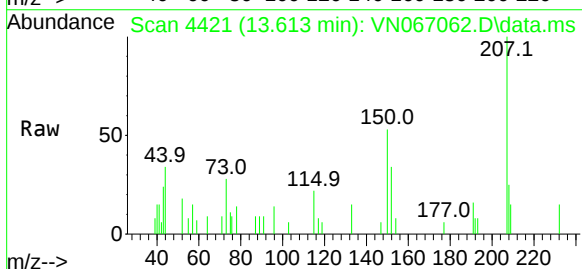
Instrument :
MSVOA_N
ClientSampled :

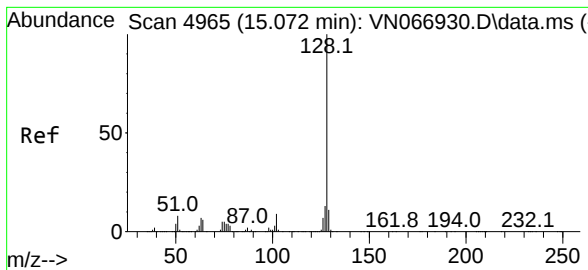
Tgt Ion: 75 Resp: 159437
Ion Ratio Lower Upper
75 100
53 0.3 74.6 111.8#
89 0.1 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.25 ug/l
RT: 13.613 min Scan# 4421
Delta R.T. 0.051 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

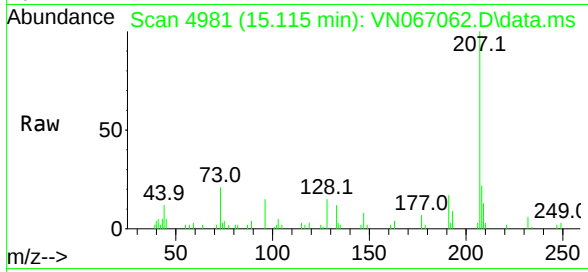
Tgt Ion: 91 Resp: 173
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 13.0 38.9#





#95
Naphthalene
Concen: 0.21 ug/l
RT: 15.115 min Scan# 4981
Delta R.T. 0.043 min
Lab File: VN067062.D
Acq: 7 May 2021 19:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	2370
Ion	Ratio	Lower	Upper
128	100		
127	3.7	10.2	15.2#
129	1.2	8.6	13.0#

