

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066946.D
 Acq On : 4 May 2021 19:29
 Operator : JC/MD
 Sample : PB136139ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 05:27:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 13:11:03 2021
 Response via : Initial Calibration

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

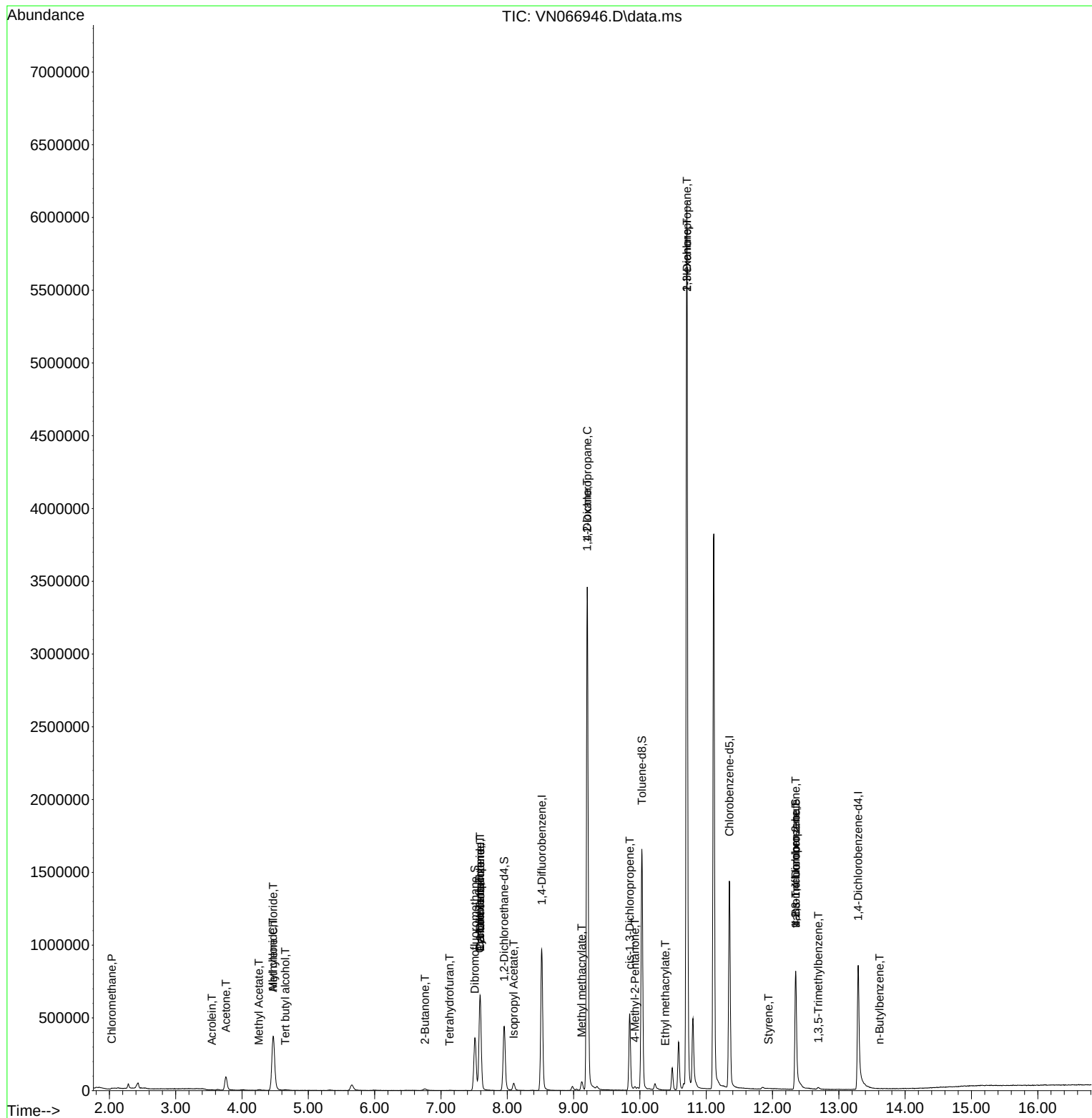
Internal Standards						
1) Pentafluorobenzene	7.592	168	506398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	844405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	819212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	298373	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	394187	49.45	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.90%		
35) Dibromofluoromethane	7.512	113	279721	48.78	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.56%		
50) Toluene-d8	10.030	98	1124124	51.48	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.96%		
62) 4-Bromofluorobenzene	12.350	95	339559	45.92	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.84%		
Target Compounds						Qvalue
3) Chloromethane	2.035	50	2340	0.24	ug/l	99
11) Tert butyl alcohol	4.653	59	1534	1.36	ug/l #	73
13) Acrolein	3.545	56	1060	1.13	ug/l	98
14) Allyl chloride	4.468	41	10713	0.96	ug/l #	25
16) Acetone	3.757	43	157749	56.26	ug/l	100
18) Methyl Acetate	4.256	43	5412	0.67	ug/l #	69
20) Methylene Chloride	4.470	84	279016	39.23	ug/l	91
25) 2-Butanone	6.758	43	5985	1.45	ug/l	91
29) Tetrahydrofuran	7.131	42	633	0.23	ug/l #	32
31) Cyclohexane	7.587	56	12769	1.14	ug/l #	11
36) 1,1-Dichloropropene	7.590	75	44091	5.01	ug/l #	48
38) Carbon Tetrachloride	7.590	117	52057	5.68	ug/l #	17
43) Isopropyl Acetate	8.096	43	61293	4.21	ug/l #	87
45) 1,2-Dichloropropane	9.207	63	4519	0.59	ug/l #	44
48) Methyl methacrylate	9.121	41	14748	2.29	ug/l #	10
49) 1,4-Dioxane	9.204	88	655	6.41	ug/l #	1
51) 4-Methyl-2-Pentanone	9.926	43	16290	1.94	ug/l	97
54) cis-1,3-Dichloropropene	9.845	75	98383	8.50	ug/l #	62
56) Ethyl methacrylate	10.381	69	189	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.709	76	62352	5.46	ug/l #	43
59) 2-Hexanone	10.709	43	889860	156.72	ug/l #	50
70) Styrene	11.940	104	25	4.71	ug/l #	26
76) 1,2,3-Trichloropropane	12.347	75	180114	25.34	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.691	105	7978	0.40	ug/l	83
81) trans-1,4-Dichloro-2-b...	12.347	75	180114	76.18	ug/l #	13
89) n-Butylbenzene	13.616	91	24	5.24	ug/l #	34

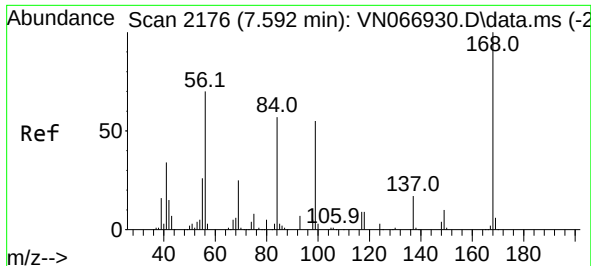
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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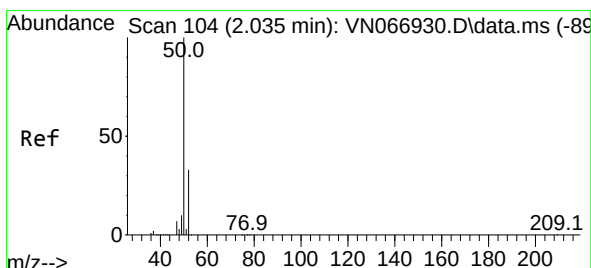
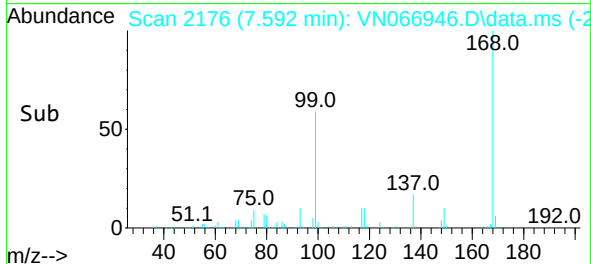
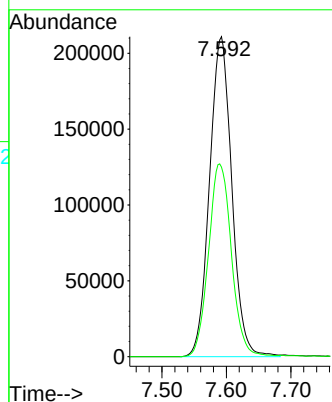
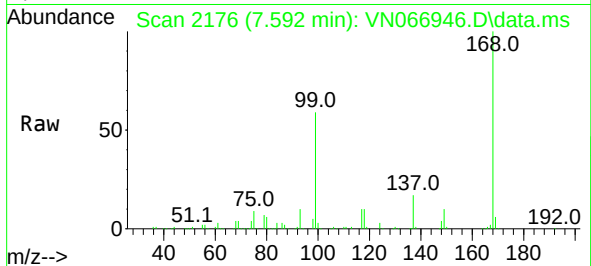




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

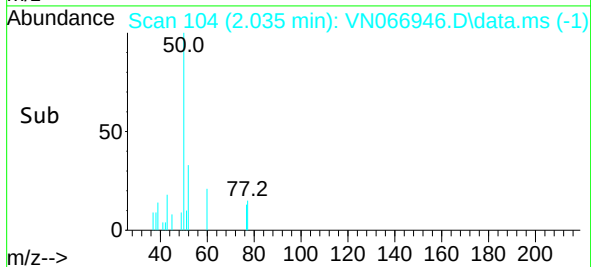
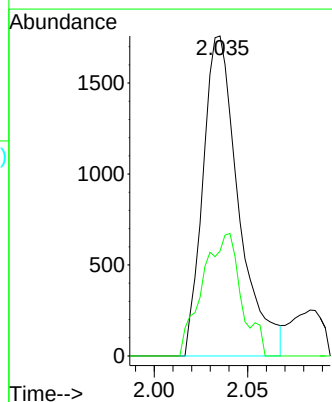
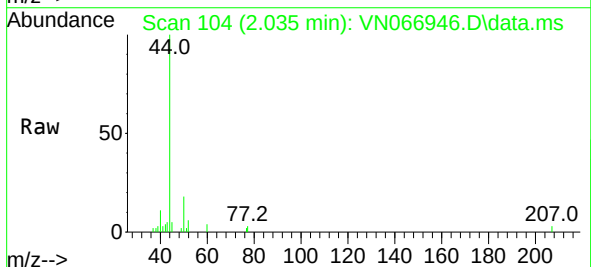
Instrument :
MSVOA_N
ClientSampled :

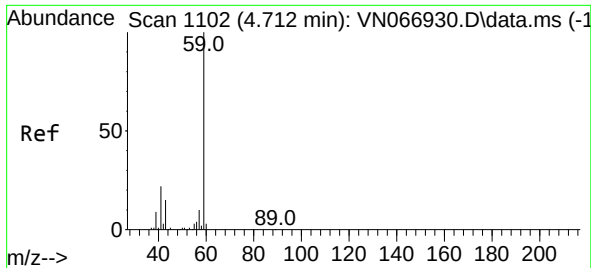
Tgt Ion:168 Resp: 506398
Ion Ratio Lower Upper
168 100
99 59.2 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.035 min Scan# 104
Delta R.T. 0.000 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

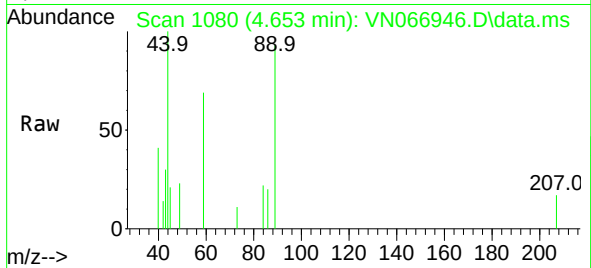
Tgt Ion: 50 Resp: 2340
Ion Ratio Lower Upper
50 100
52 32.8 25.8 38.8



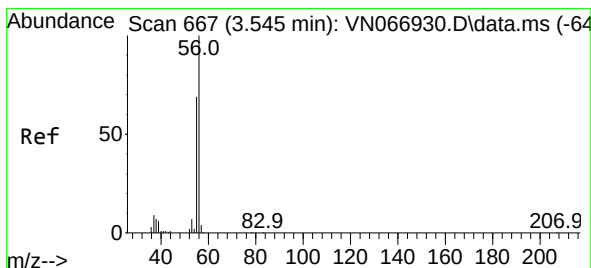
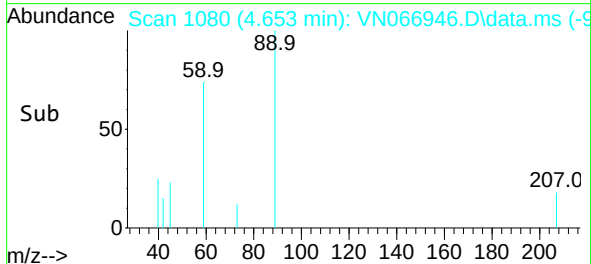
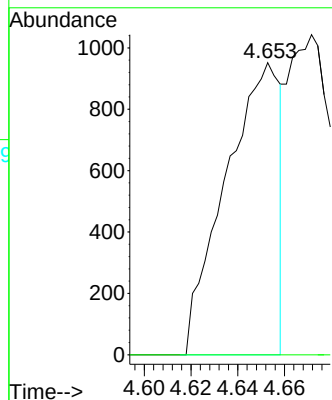


#11
Tert butyl alcohol
Concen: 1.36 ug/l
RT: 4.653 min Scan# 1080
Delta R.T. -0.059 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Instrument :
MSVOA_N
ClientSampled :

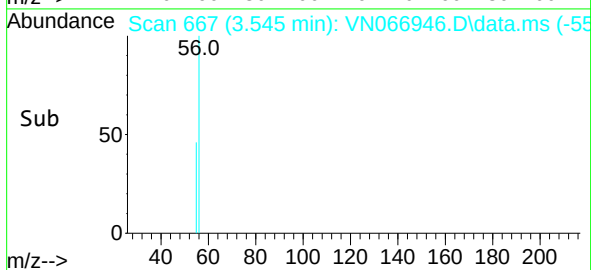
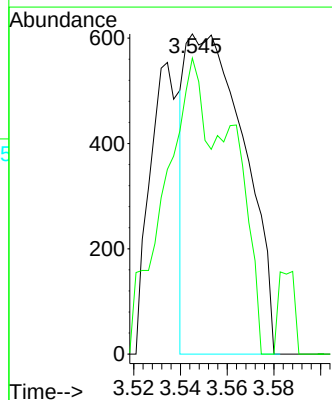
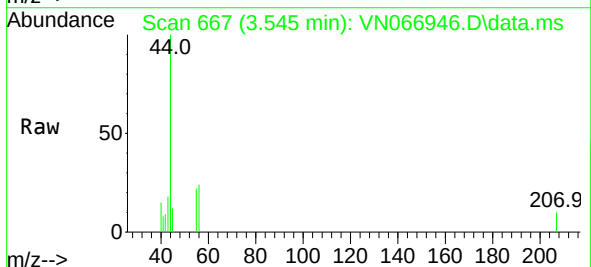


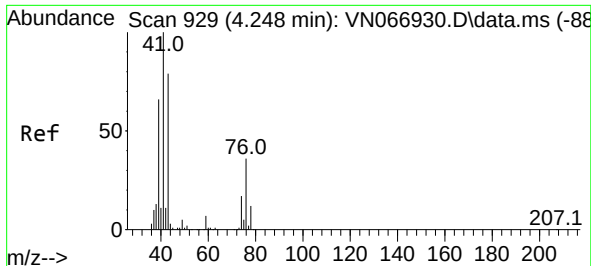
Tgt Ion: 59 Resp: 1534
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 1.13 ug/l
RT: 3.545 min Scan# 667
Delta R.T. 0.000 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

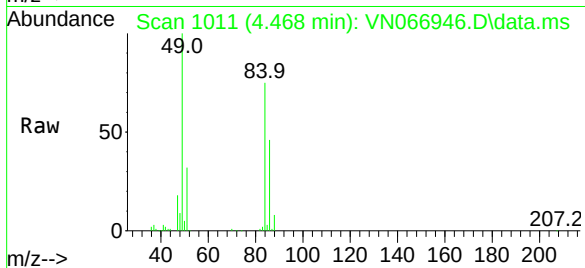
Tgt Ion: 56 Resp: 1060
Ion Ratio Lower Upper
56 100
55 68.4 56.0 84.0



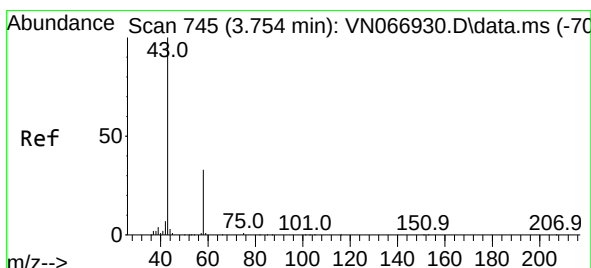
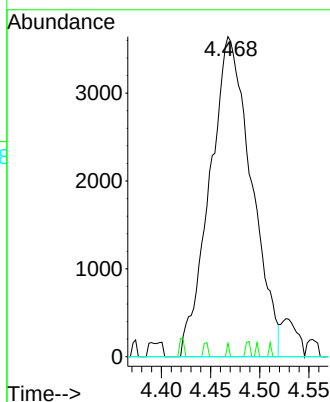
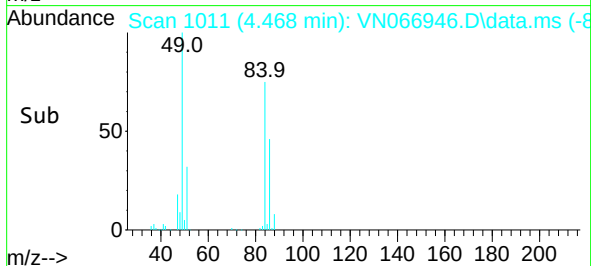


#14
Allyl chloride
Concen: 0.96 ug/l
RT: 4.468 min Scan# 1011
Delta R.T. 0.220 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

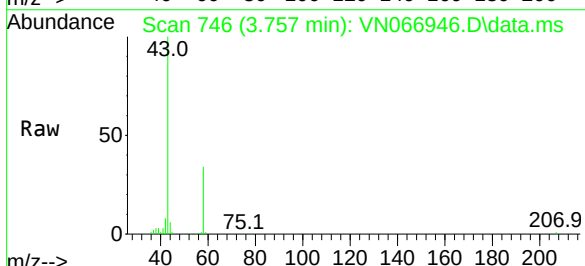
Instrument :
MSVOA_N
ClientSampled :



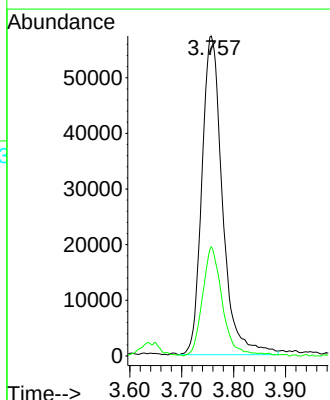
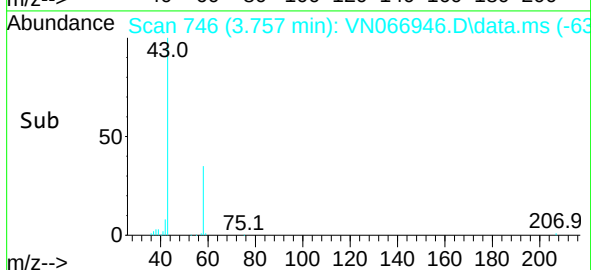
Tgt Ion: 41 Resp: 10713
Ion Ratio Lower Upper
41 100
39 0.2 53.0 79.4#
76 0.0 28.9 43.3#

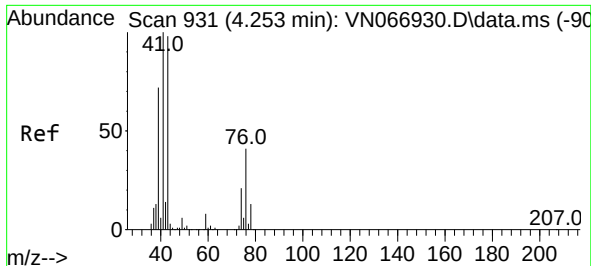


#16
Acetone
Concen: 56.26 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29



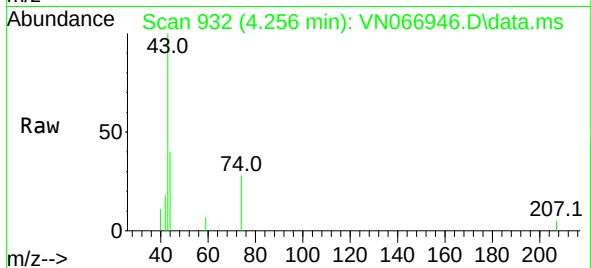
Tgt Ion: 43 Resp: 157749
Ion Ratio Lower Upper
43 100
58 33.9 27.0 40.6



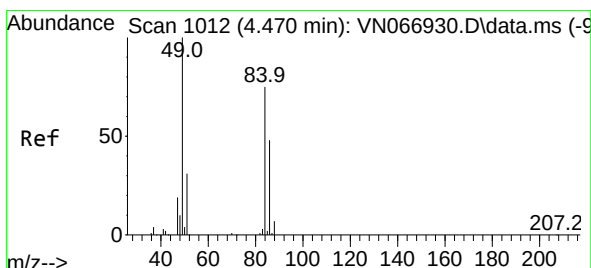
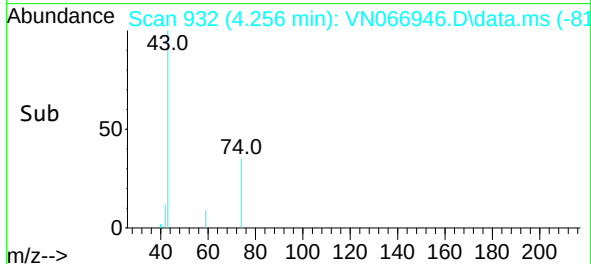
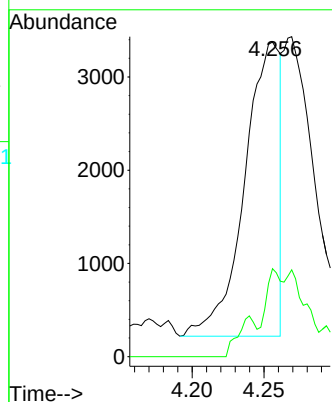


#18
Methyl Acetate
Concen: 0.67 ug/l
RT: 4.256 min Scan# 932
Delta R.T. 0.003 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Instrument :
MSVOA_N
ClientSampled :

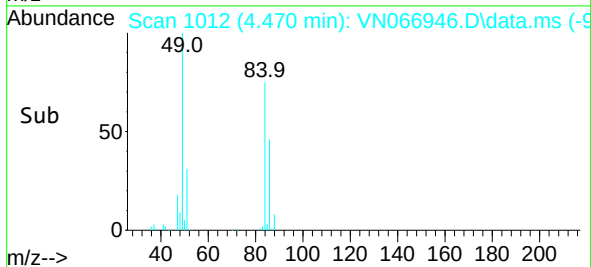
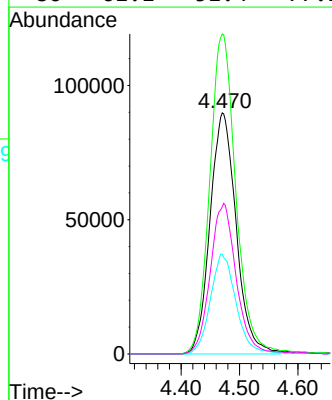
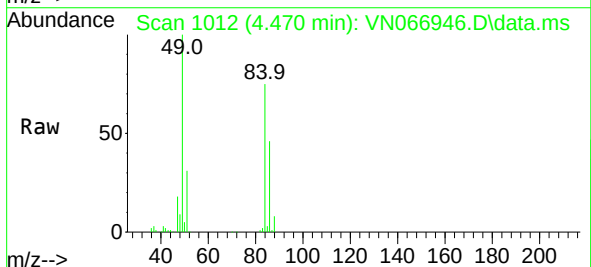


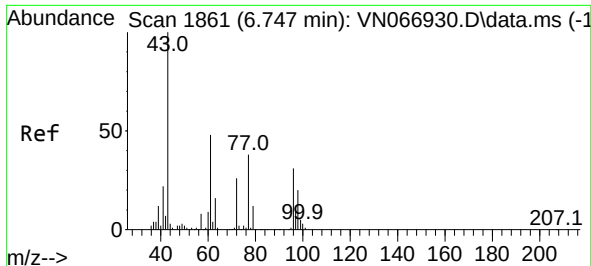
Tgt Ion: 43 Resp: 5412
Ion Ratio Lower Upper
43 100
74 8.9 19.5 29.3#



#20
Methylene Chloride
Concen: 39.23 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

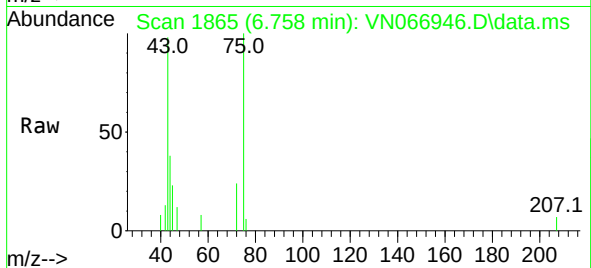
Tgt Ion: 84 Resp: 279016
Ion Ratio Lower Upper
84 100
49 132.7 94.6 141.8
51 41.4 29.9 44.9
86 61.1 51.4 77.2



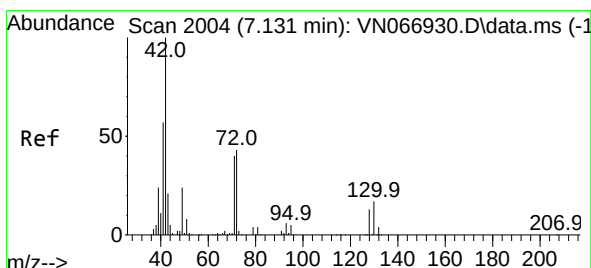
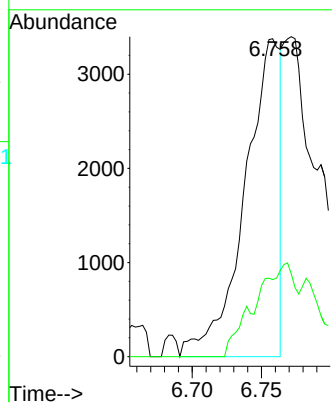
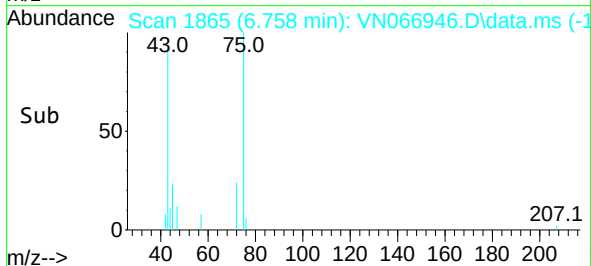


#25
2-Butanone
Concen: 1.45 ug/l
RT: 6.758 min Scan# 1865
Delta R.T. 0.011 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

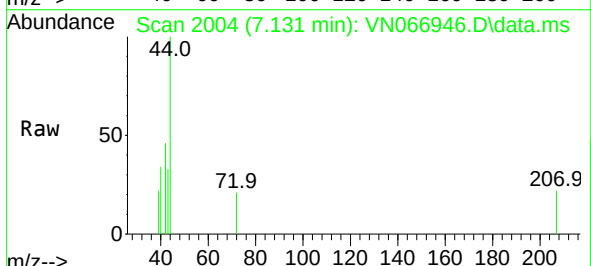
Instrument :
MSVOA_N
ClientSampled :



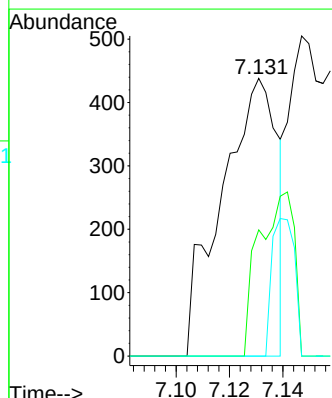
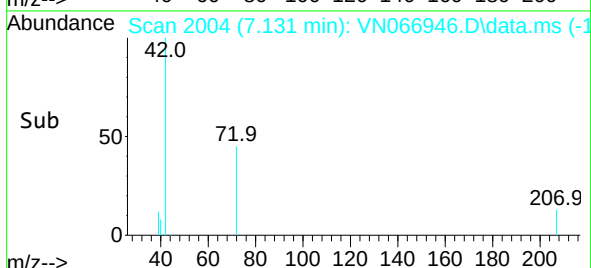
Tgt Ion: 43 Resp: 5985
Ion Ratio Lower Upper
43 100
72 24.3 23.1 34.7

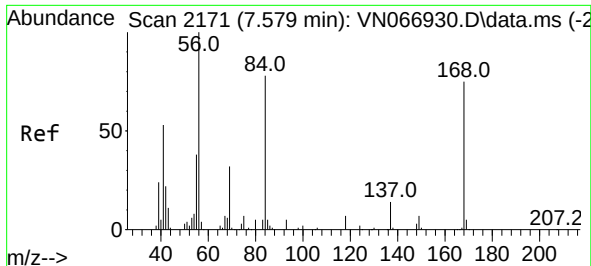


#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 7.131 min Scan# 2004
Delta R.T. -0.000 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29



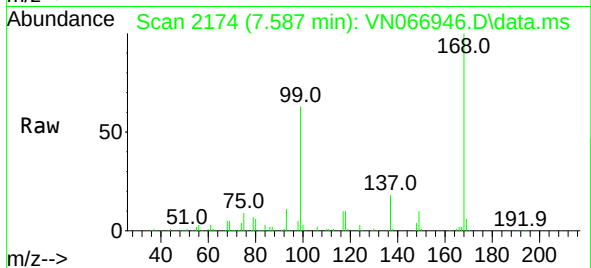
Tgt Ion: 42 Resp: 633
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



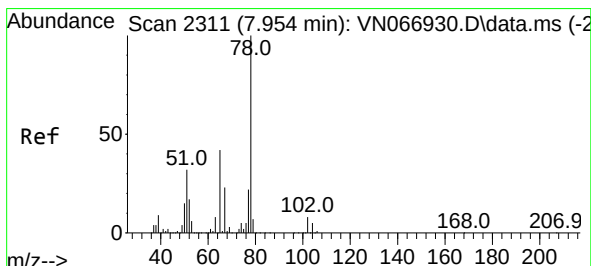
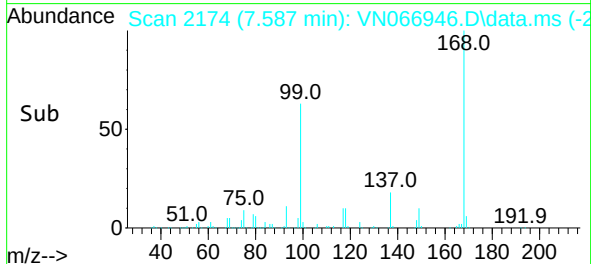
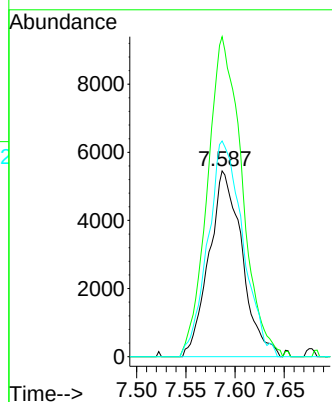


#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. 0.008 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Instrument :
MSVOA_N
ClientSampled :

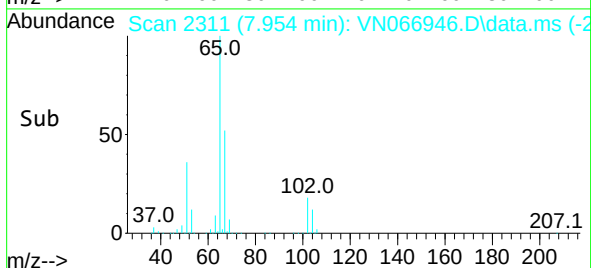
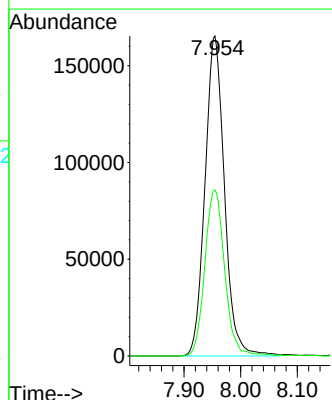
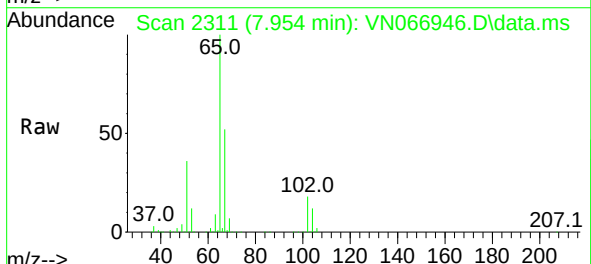


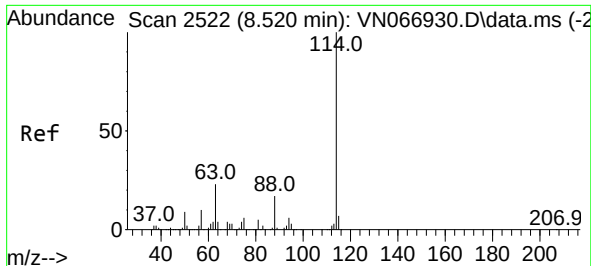
Tgt Ion: 56 Resp: 12769
Ion Ratio Lower Upper
56 100
69 172.3 26.6 39.8#
84 116.1 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 49.45 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

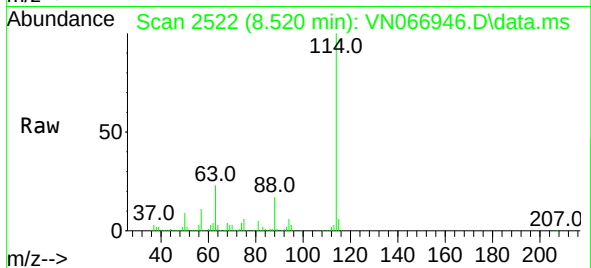
Tgt Ion: 65 Resp: 394187
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.2



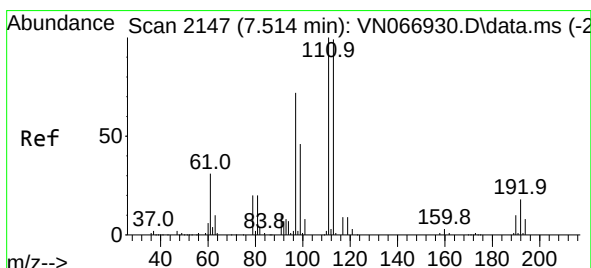
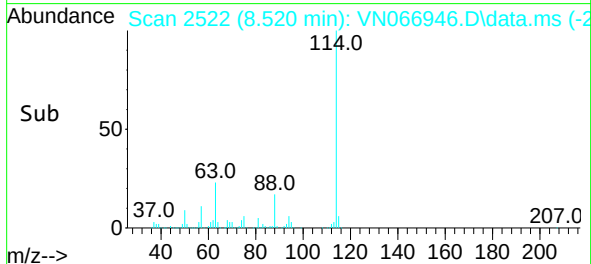
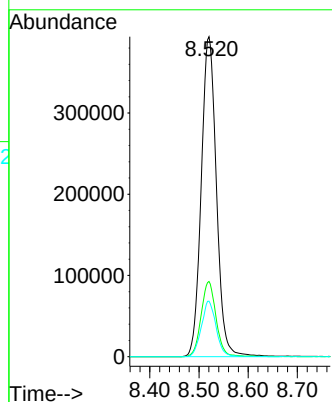


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Instrument :
MSVOA_N
ClientSampled :

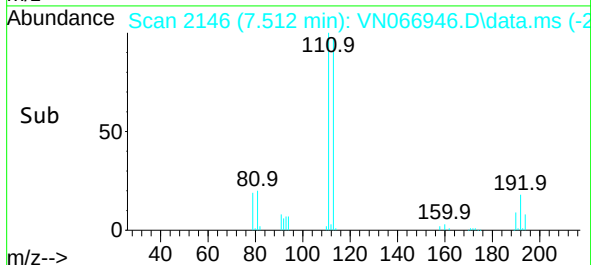
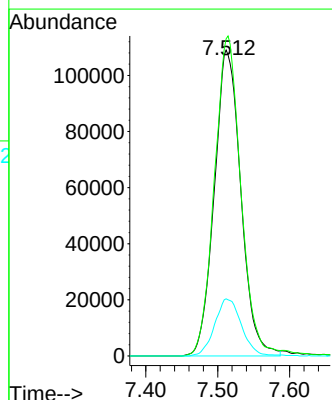
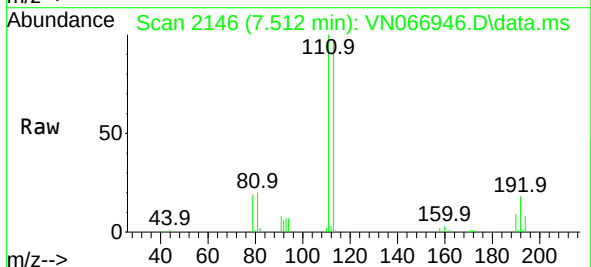


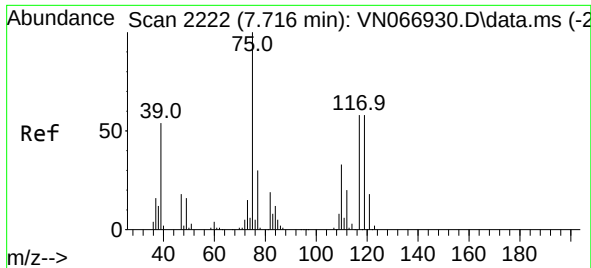
Tgt Ion:114 Resp: 844405
Ion Ratio Lower Upper
114 100
63 23.5 0.0 38.6
88 17.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.78 ug/l
RT: 7.512 min Scan# 2146
Delta R.T. -0.002 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Tgt Ion:113 Resp: 279721
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 18.8 15.4 23.0

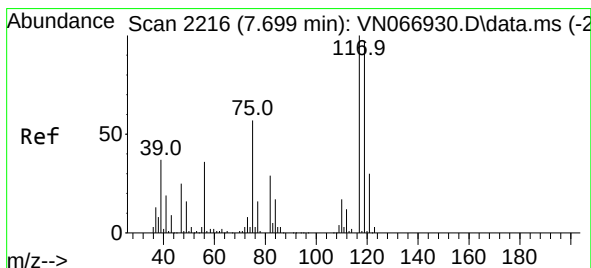
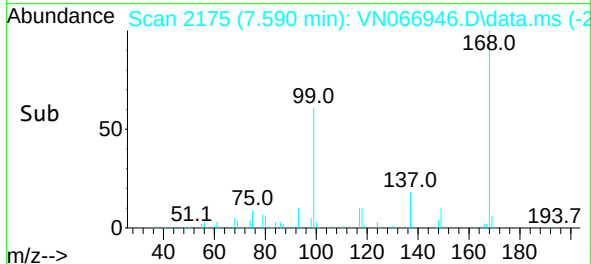
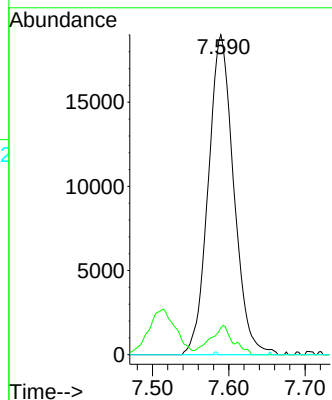
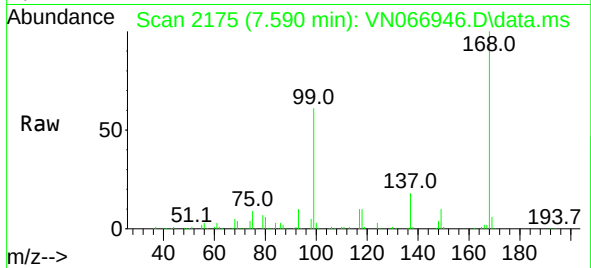




#36
1,1-Dichloropropene
Concen: 5.01 ug/l
RT: 7.590 min Scan# 2175
Delta R.T. -0.126 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

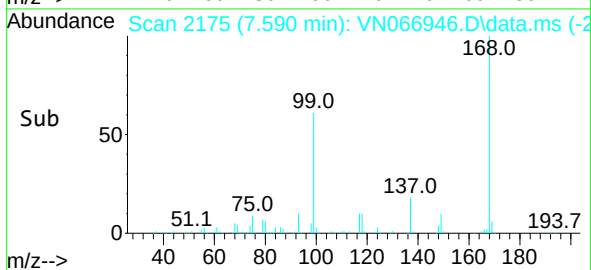
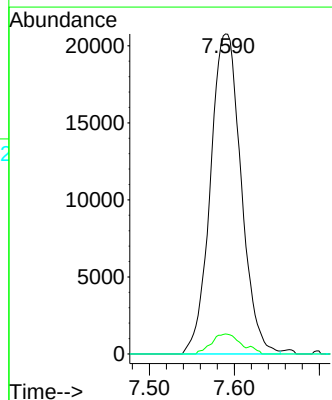
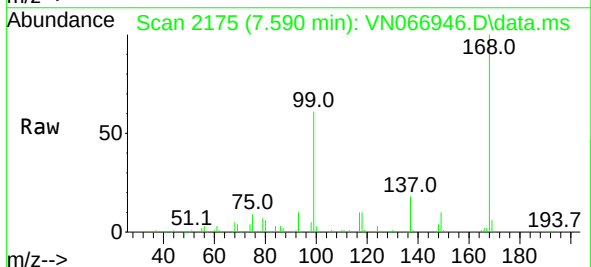
Instrument :
MSVOA_N
ClientSampled :

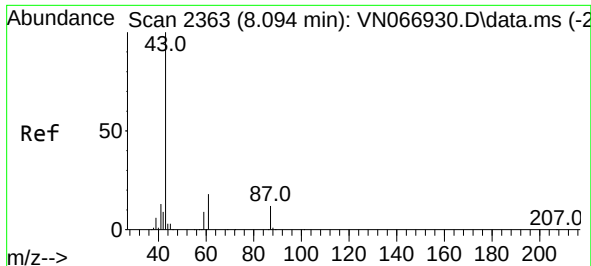
Tgt Ion: 75 Resp: 44091
Ion Ratio Lower Upper
75 100
110 8.2 18.2 54.6#
77 0.1 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.68 ug/l
RT: 7.590 min Scan# 2175
Delta R.T. -0.109 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

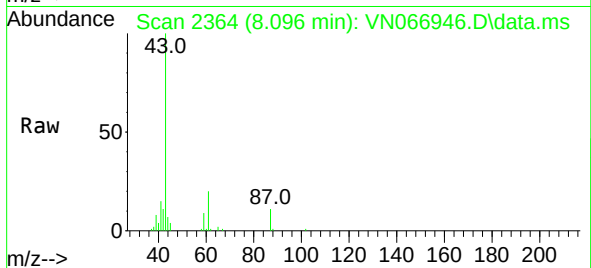
Tgt Ion: 117 Resp: 52057
Ion Ratio Lower Upper
117 100
119 6.3 76.0 114.0#
121 0.0 24.5 36.7#



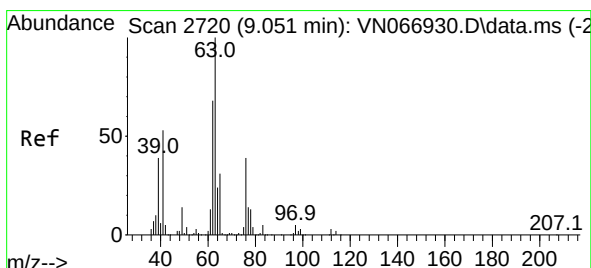
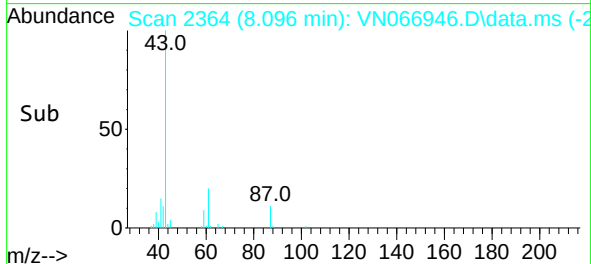
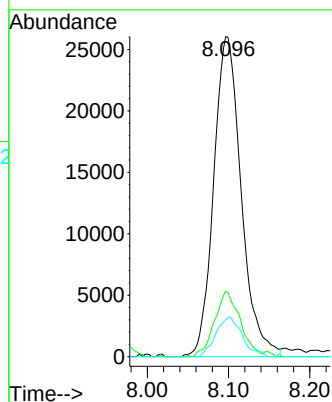


#43
Isopropyl Acetate
Concen: 4.21 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Instrument :
MSVOA_N
ClientSampled :

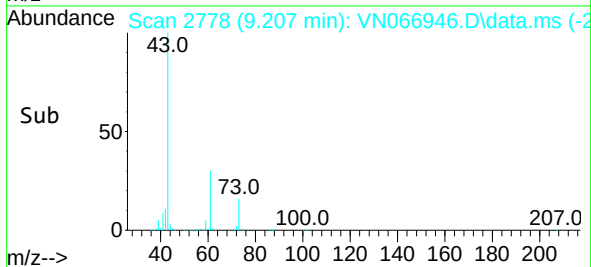
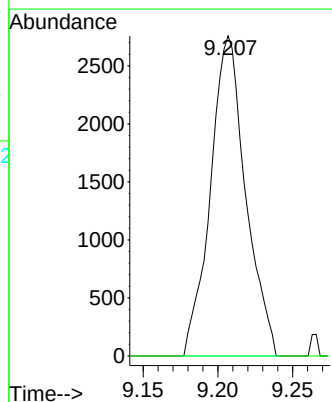
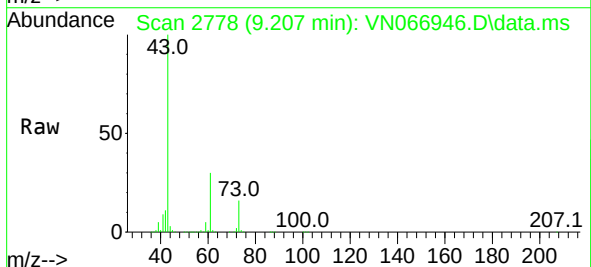


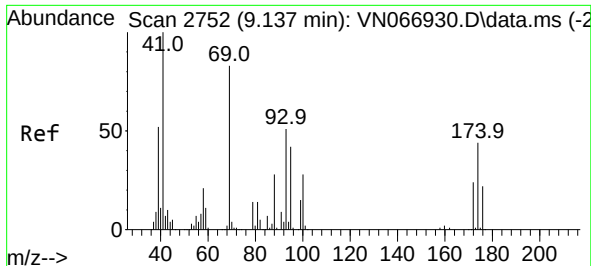
Tgt Ion: 43 Resp: 61293
Ion Ratio Lower Upper
43 100
61 19.0 22.5 33.7#
87 11.8 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.59 ug/l
RT: 9.207 min Scan# 2778
Delta R.T. 0.156 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

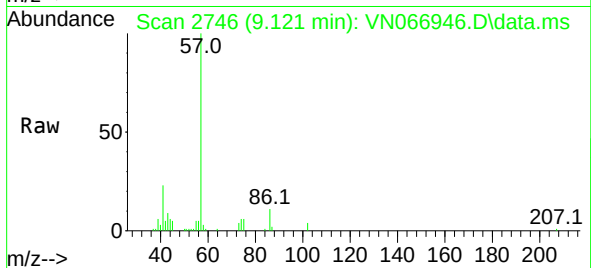
Tgt Ion: 63 Resp: 4519
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



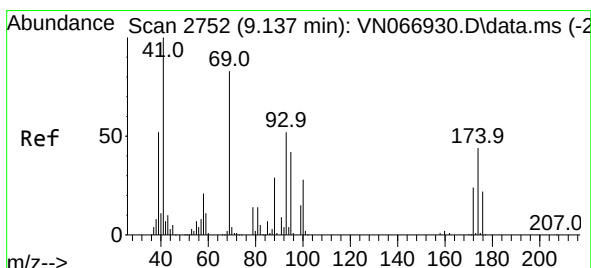
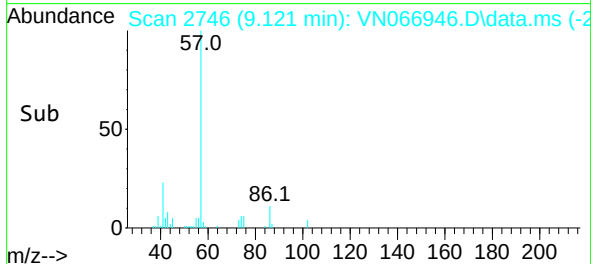
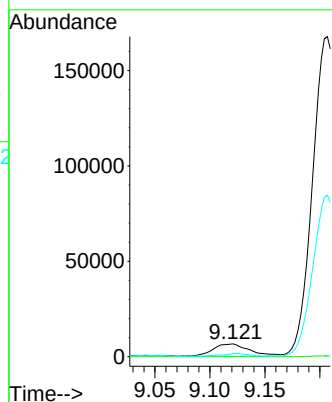


#48
Methyl methacrylate
Concen: 2.29 ug/l
RT: 9.121 min Scan# 2746
Delta R.T. -0.016 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Instrument :
MSVOA_N
ClientSampled :

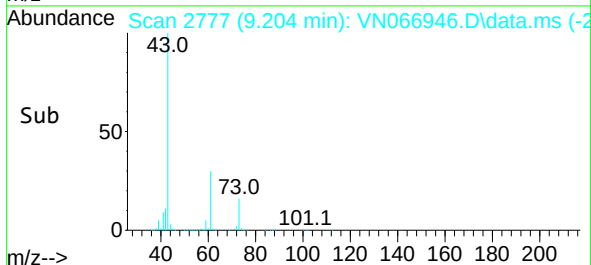
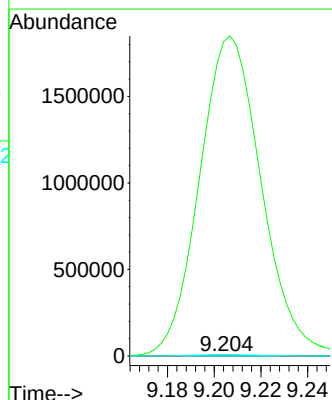
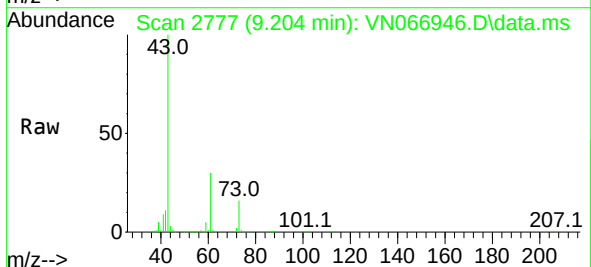


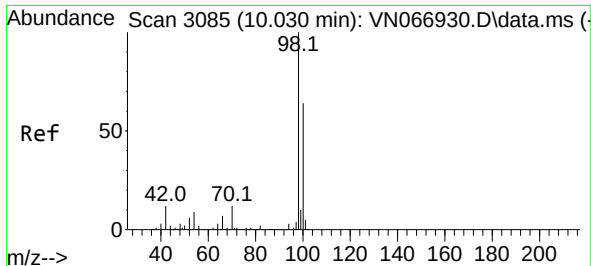
Tgt Ion: 41 Resp: 14748
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 6.41 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.067 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Tgt Ion: 88 Resp: 655
Ion Ratio Lower Upper
88 100
43 527065.6 24.7 37.1#
58 2485.6 52.6 78.8#

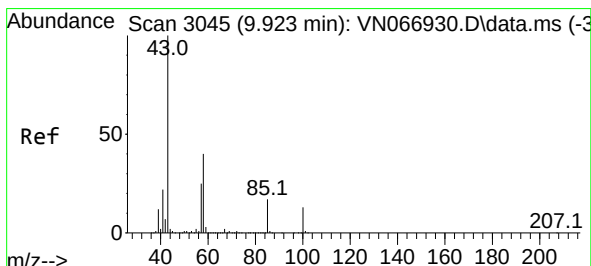
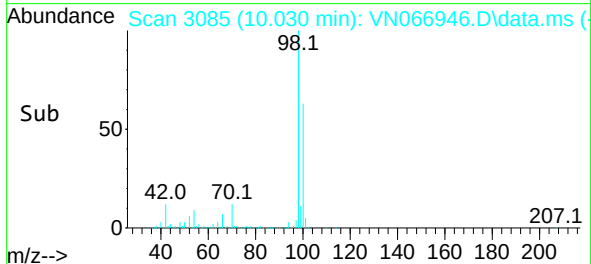
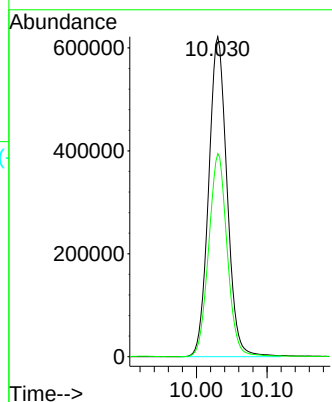
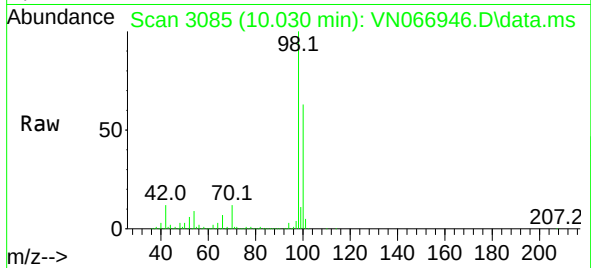




#50
Toluene-d8
Concen: 51.48 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

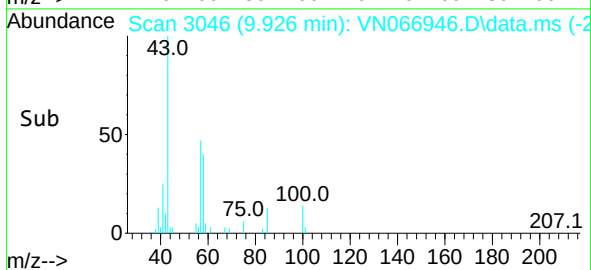
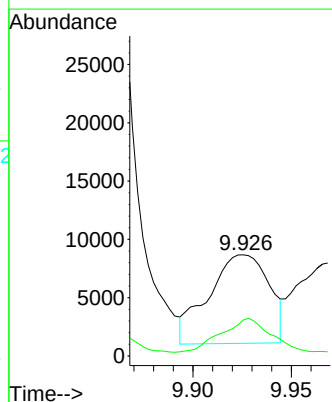
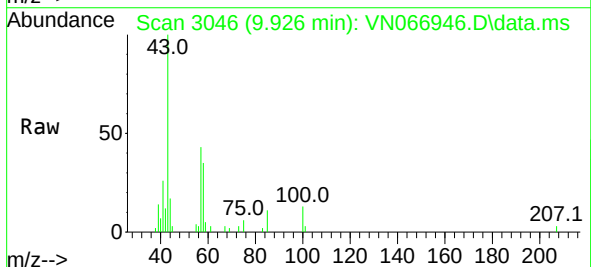
Instrument :
MSVOA_N
ClientSampled :

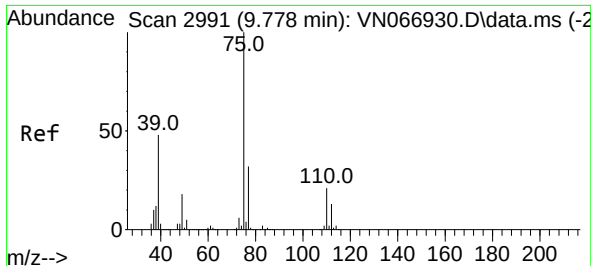
Tgt Ion: 98 Resp: 1124124
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.94 ug/l
RT: 9.926 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Tgt Ion: 43 Resp: 16290
Ion Ratio Lower Upper
43 100
58 42.4 32.5 48.7

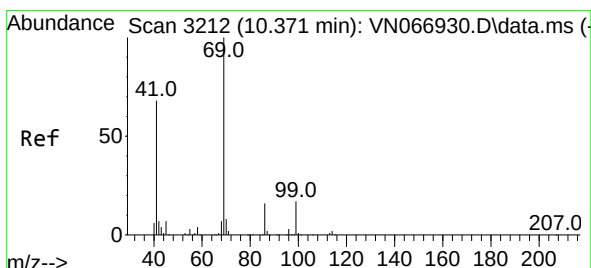
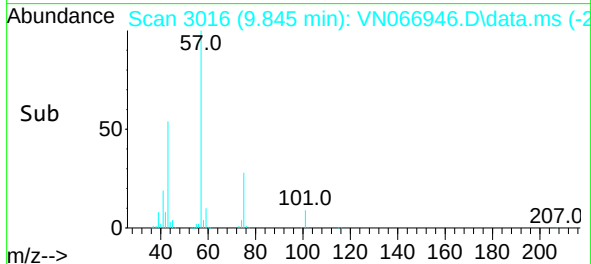
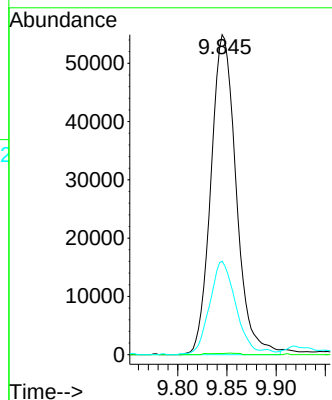
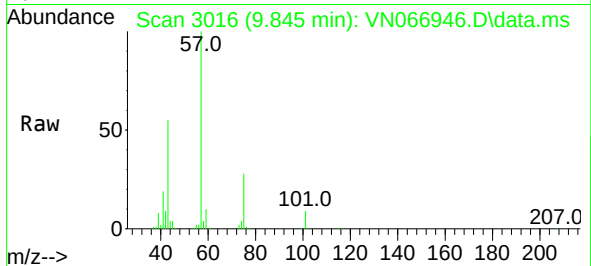




#54
cis-1,3-Dichloropropene
Concen: 8.50 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

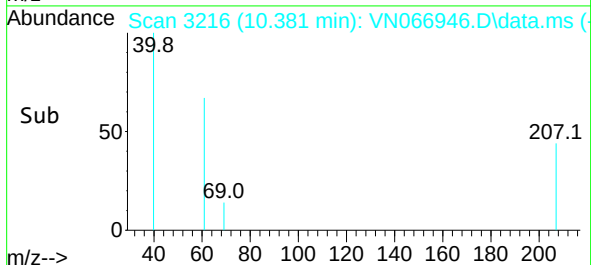
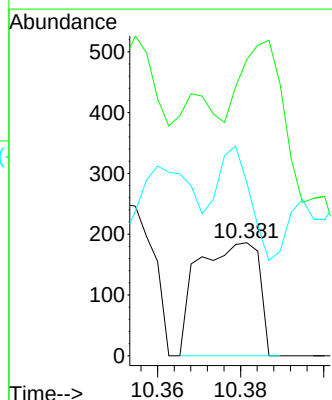
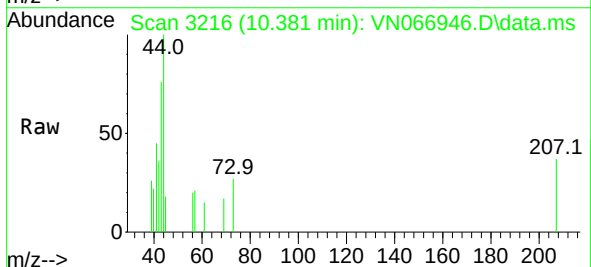
Instrument :
MSVOA_N
ClientSampled :

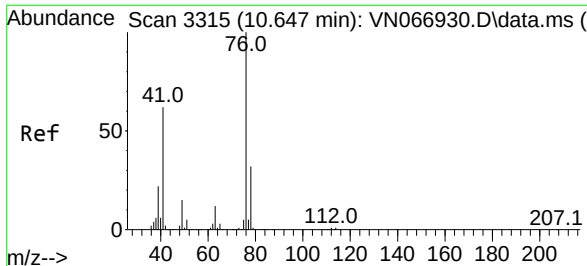
Tgt Ion: 75 Resp: 98383
Ion Ratio Lower Upper
75 100
77 0.3 24.9 37.3#
39 28.9 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.381 min Scan# 3216
Delta R.T. 0.010 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Tgt Ion: 69 Resp: 189
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

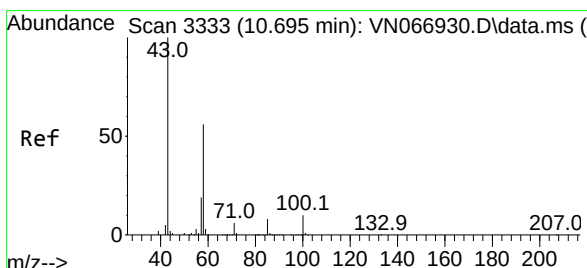
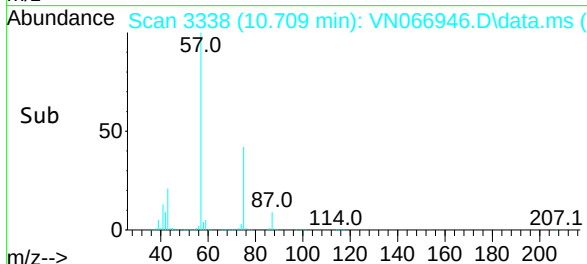
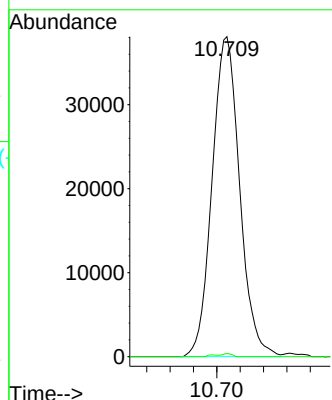
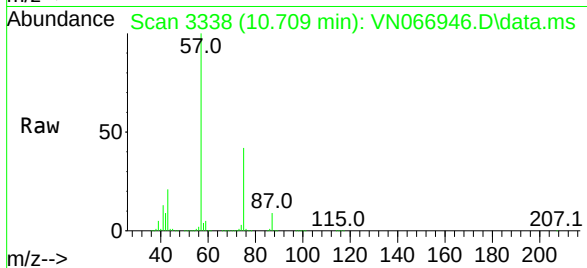




#57
1,3-Dichloropropane
Concen: 5.46 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

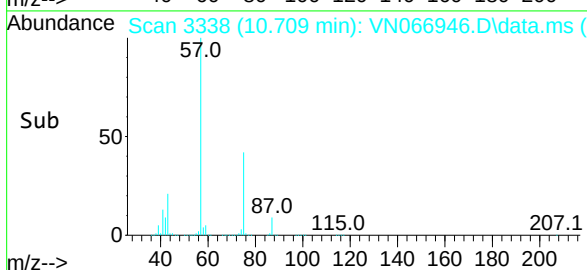
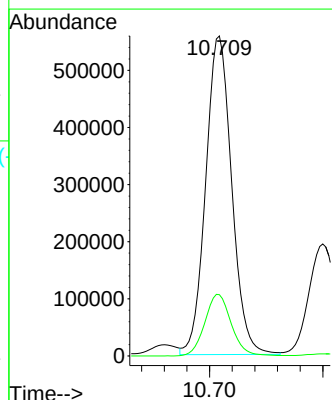
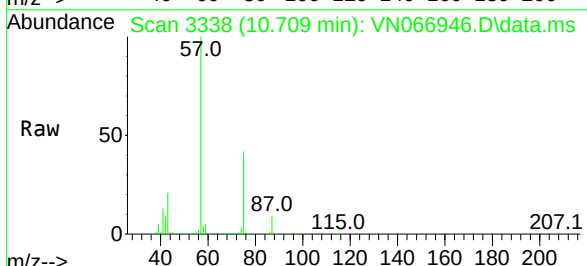
Instrument :
MSVOA_N
ClientSampled :

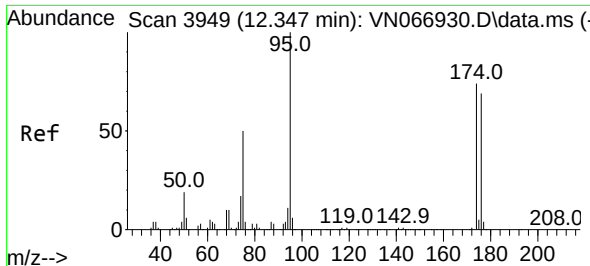
Tgt Ion: 76 Resp: 62352
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#



#59
2-Hexanone
Concen: 156.72 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Tgt Ion: 43 Resp: 889860
Ion Ratio Lower Upper
43 100
58 19.7 28.1 84.3#

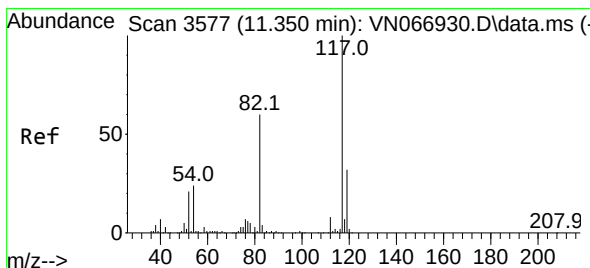
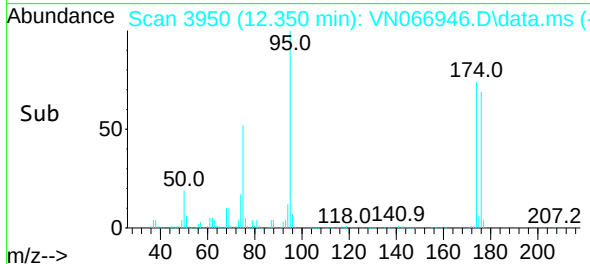
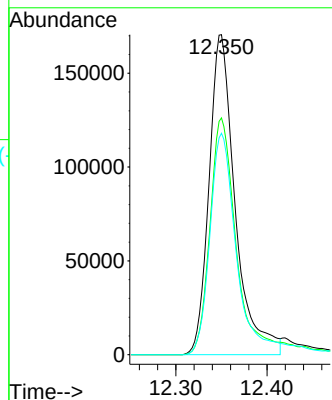
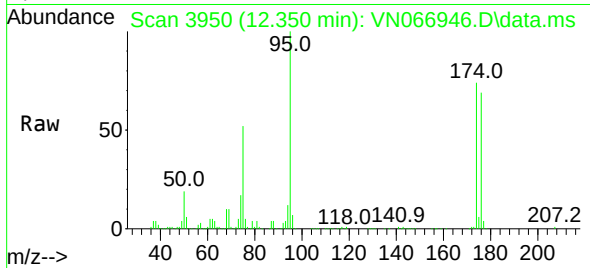




#62
4-Bromofluorobenzene
Concen: 45.92 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

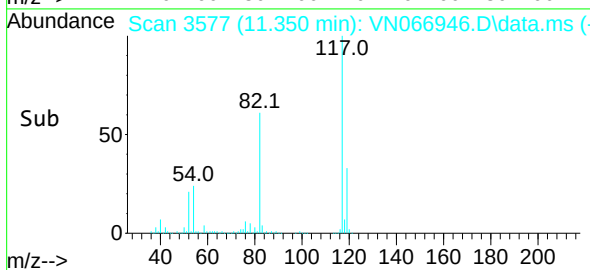
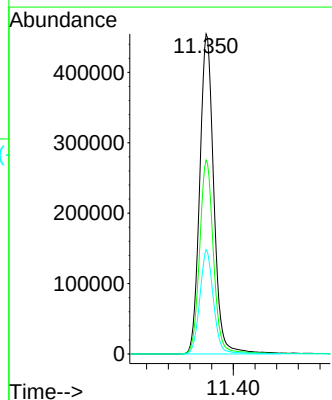
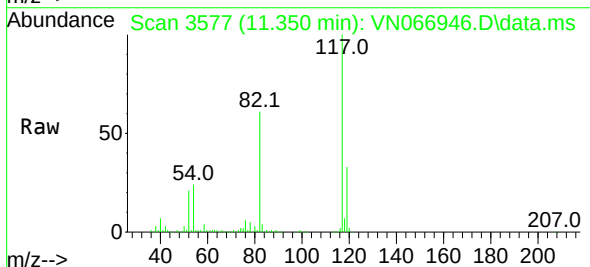
Instrument :
MSVOA_N
ClientSampled :

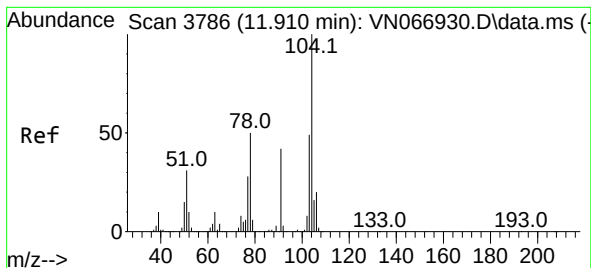
Tgt Ion: 95 Resp: 339559
Ion Ratio Lower Upper
95 100
174 76.0 0.0 169.0
176 72.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Tgt Ion: 117 Resp: 819212
Ion Ratio Lower Upper
117 100
82 60.6 43.7 65.5
119 32.6 26.1 39.1





#70

Styrene

Concen: 4.71 ug/l

RT: 11.940 min Scan# 3797

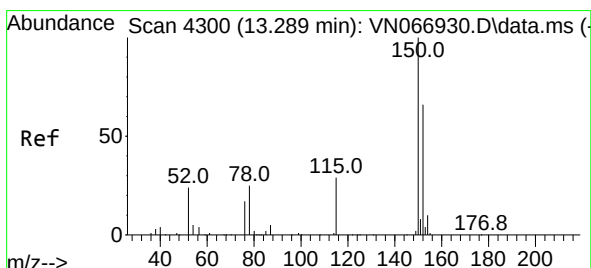
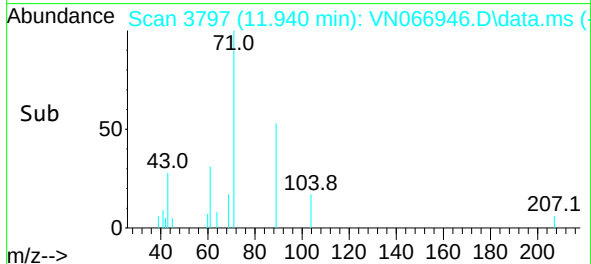
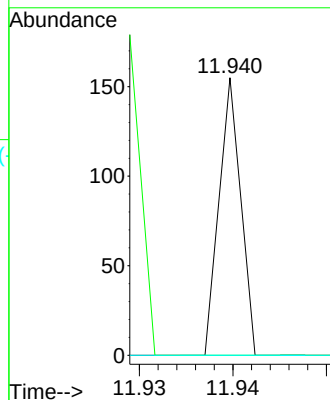
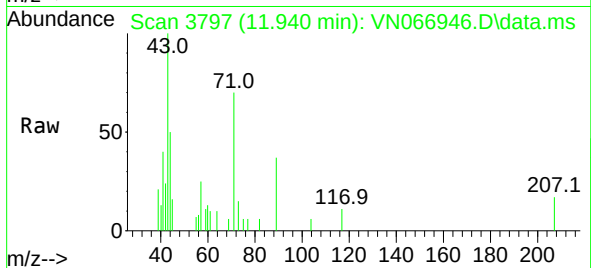
Delta R.T. 0.030 min

Lab File: VN066946.D

Acq: 4 May 2021 19:29

Tgt Ion:	104	Resp:	25
Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.0	58.4#
103	0.0	44.5	66.7#

Instrument :
MSVOA_N
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

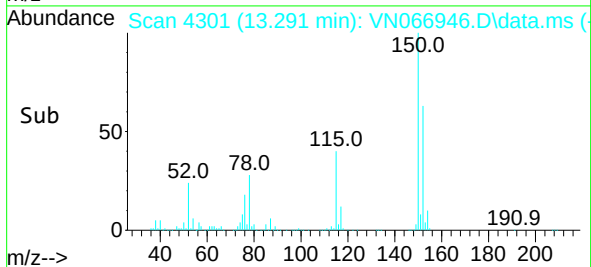
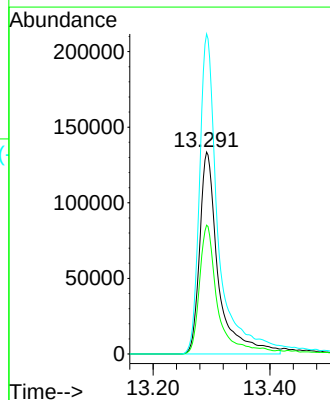
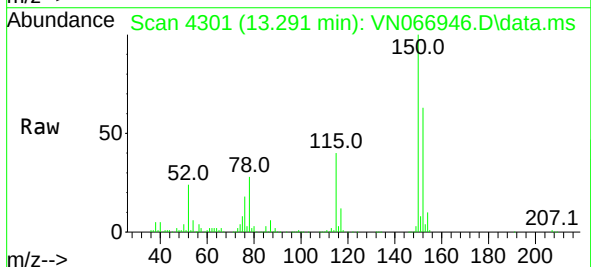
RT: 13.291 min Scan# 4301

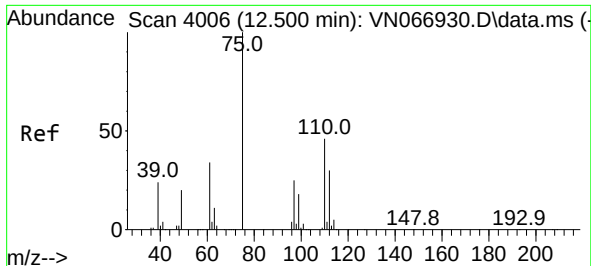
Delta R.T. 0.002 min

Lab File: VN066946.D

Acq: 4 May 2021 19:29

Tgt Ion:	152	Resp:	298373
Ion	Ratio	Lower	Upper
152	100		
115	60.6	28.5	85.6
150	162.3	0.0	347.6

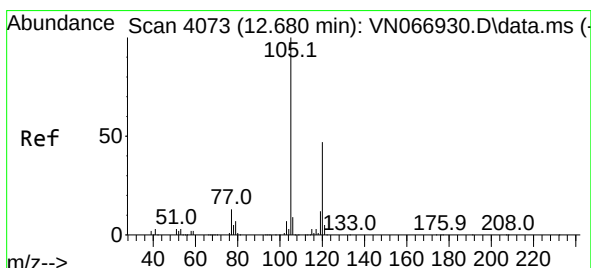
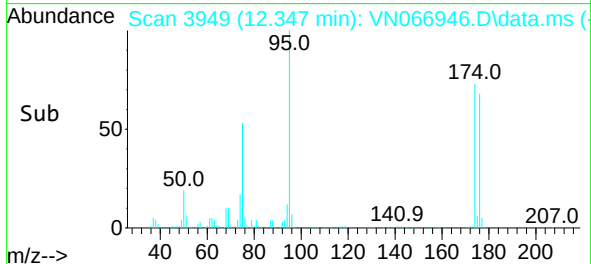
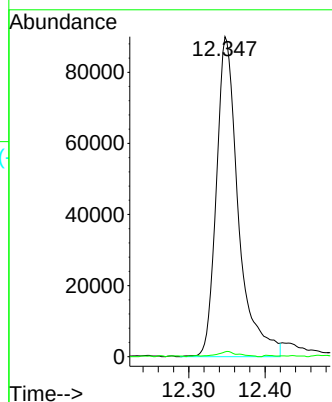
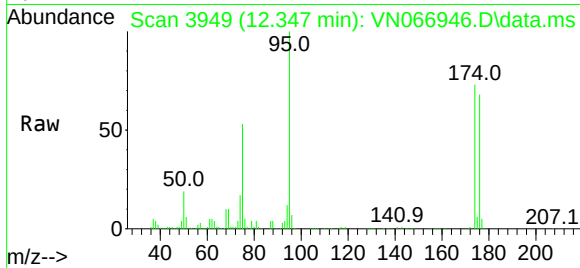




#76
1,2,3-Trichloropropane
Concen: 25.34 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. -0.153 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

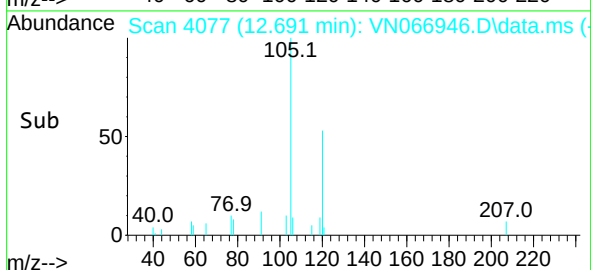
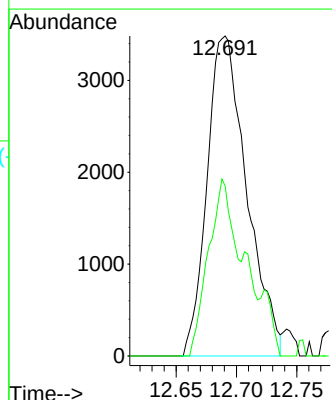
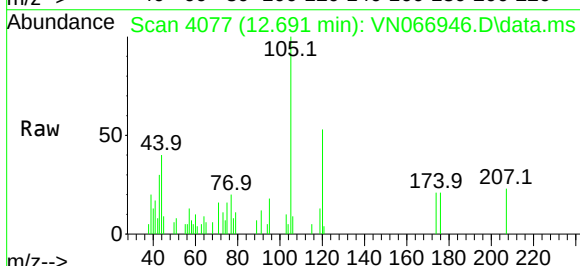
Instrument :
MSVOA_N
ClientSampled :

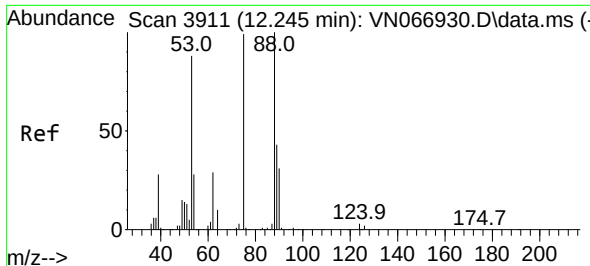
Tgt Ion: 75 Resp: 180114
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.40 ug/l
RT: 12.691 min Scan# 4077
Delta R.T. 0.011 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Tgt Ion:105 Resp: 7978
Ion Ratio Lower Upper
105 100
120 37.2 24.3 72.8

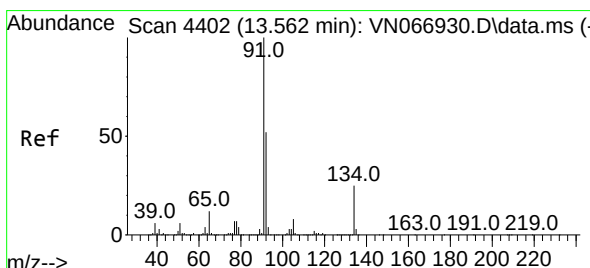
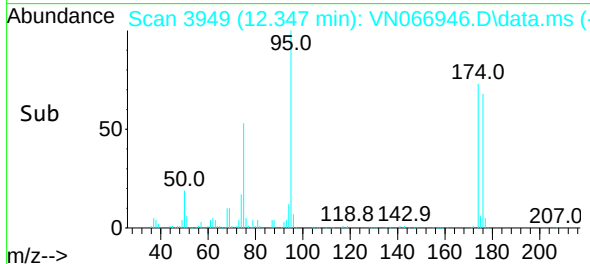
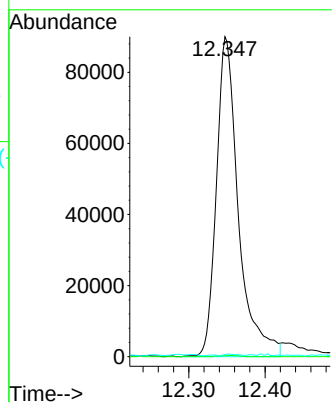
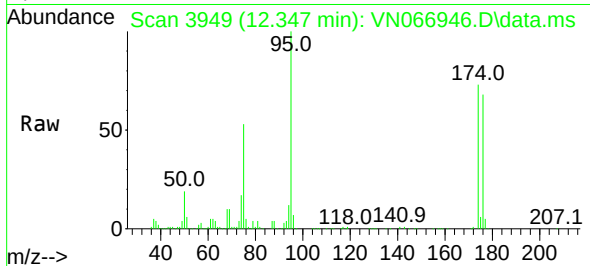




#81
trans-1,4-Dichloro-2-butene
Concen: 76.18 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.102 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 180114
Ion Ratio Lower Upper
75 100
53 0.3 74.6 111.8#
89 0.4 35.8 53.8#



#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.616 min Scan# 4422
Delta R.T. 0.054 min
Lab File: VN066946.D
Acq: 4 May 2021 19:29

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#

