

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042921\
 Data File : VN066896.D
 Acq On : 30 Apr 2021 5:41
 Operator : JC/MD
 Sample : M2202-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 06:34:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 16:02:50 2021
 Response via : Initial Calibration

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

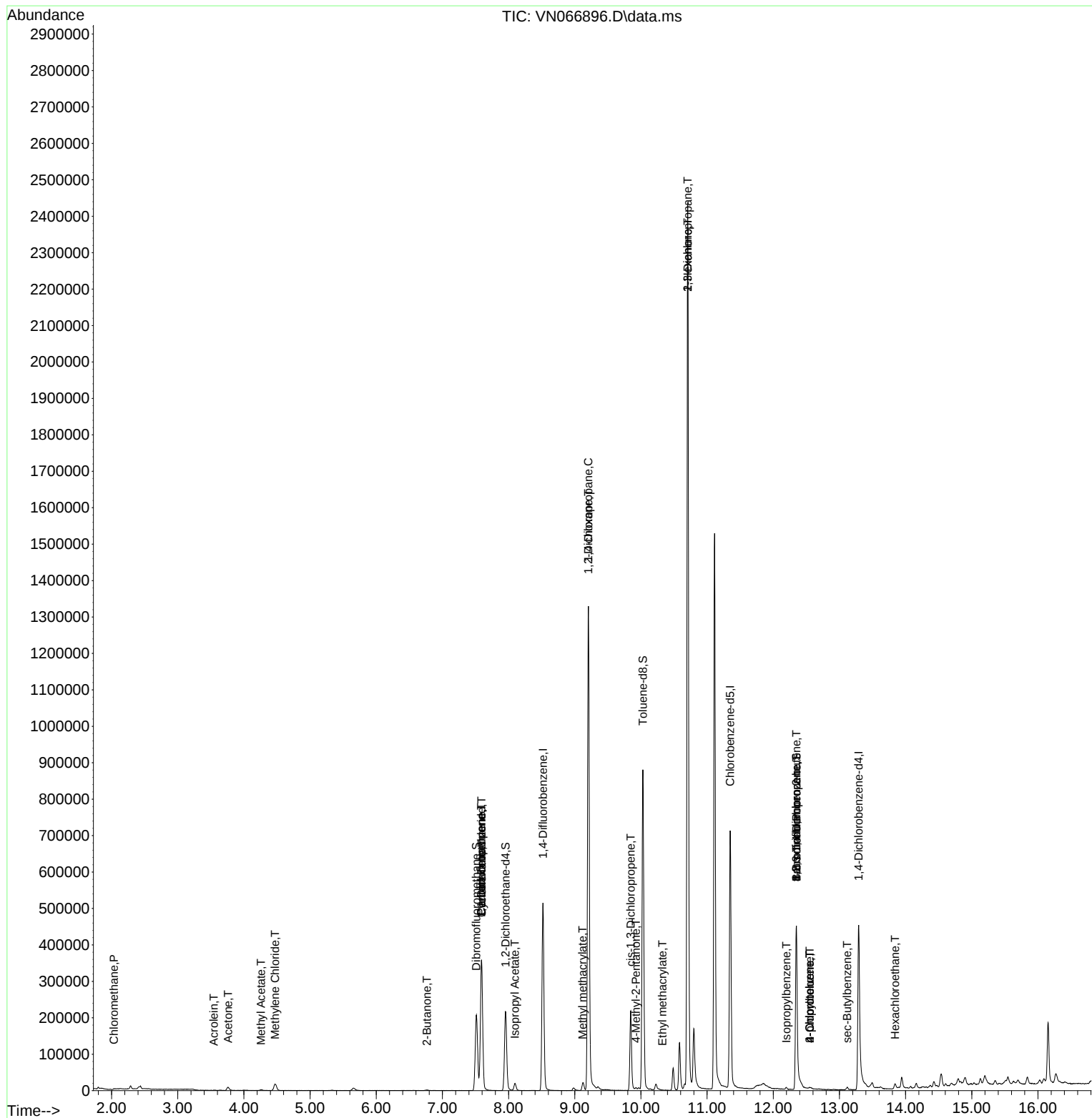
Internal Standards						
1) Pentafluorobenzene	7.591	168	327214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	489878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	457400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	180909	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	185826	44.20	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 88.40%			
35) Dibromofluoromethane	7.513	113	167722	55.47	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.94%			
50) Toluene-d8	10.029	98	649288	54.70	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.40%			
62) 4-Bromofluorobenzene	12.349	95	192536	47.94	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.88%			
Target Compounds					Qvalue	
3) Chloromethane	2.037	50	985	0.21	ug/l	89
13) Acrolein	3.544	56	219	0.40	ug/l #	1
16) Acetone	3.761	43	15416	9.72	ug/l	98
18) Methyl Acetate	4.257	43	4573	2.16	ug/l #	70
20) Methylene Chloride	4.472	84	14773	3.68	ug/l	98
25) 2-Butanone	6.765	43	2867	1.29	ug/l #	89
31) Cyclohexane	7.594	56	5077	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	20743	4.56	ug/l #	45
38) Carbon Tetrachloride	7.591	117	27327	6.26	ug/l #	17
43) Isopropyl Acetate	8.095	43	23728	3.09	ug/l #	92
45) 1,2-Dichloropropane	9.203	63	1742	0.46	ug/l #	44
48) Methyl methacrylate	9.117	41	5517	1.65	ug/l #	10
49) 1,4-Dioxane	9.206	88	53	1.06	ug/l #	1
51) 4-Methyl-2-Pentanone	9.924	43	3587	0.86	ug/l #	76
54) cis-1,3-Dichloropropene	9.846	75	45113	7.79	ug/l #	57
56) Ethyl methacrylate	10.324	69	119	3.19	ug/l #	27
57) 1,3-Dichloropropane	10.707	76	26939	4.82	ug/l #	43
59) 2-Hexanone	10.707	43	320190	109.38	ug/l #	52
71) Bromoform	12.349	173	1262	0.51	ug/l #	1
73) Isopropylbenzene	12.196	105	3597	0.27	ug/l	96
76) 1,2,3-Trichloropropane	12.349	75	88310	23.16	ug/l #	100
78) n-propylbenzene	12.550	91	5862	0.40	ug/l	88
79) 2-Chlorotoluene	12.550	91	5862	0.63	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.349	75	88310	62.62	ug/l #	12
82) 4-Chlorotoluene	12.550	91	5862	0.65	ug/l #	40
85) sec-Butylbenzene	13.118	105	4778	0.38	ug/l	91
90) Hexachloroethane	13.840	117	1343	0.60	ug/l #	12

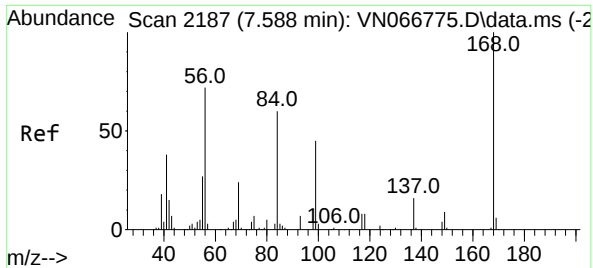
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

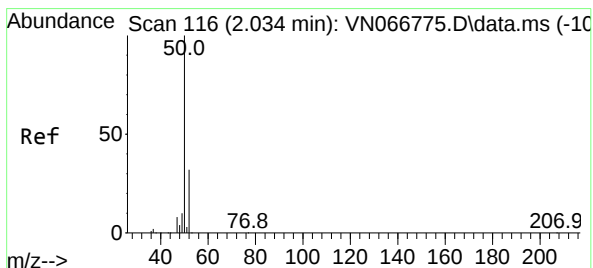
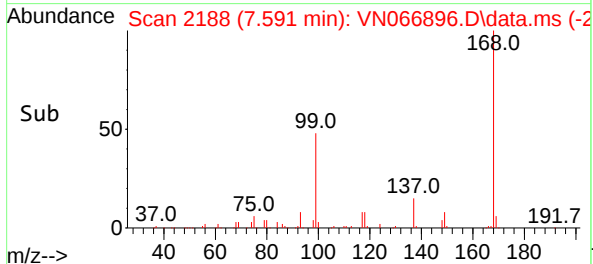
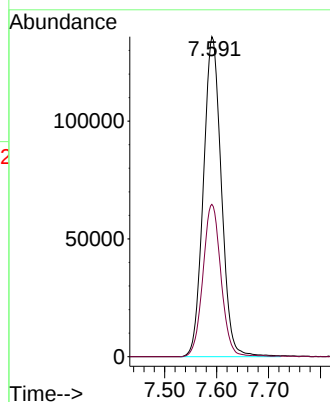
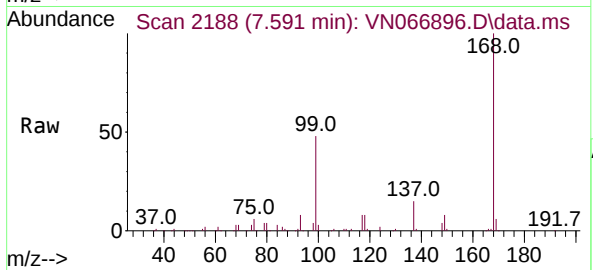




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

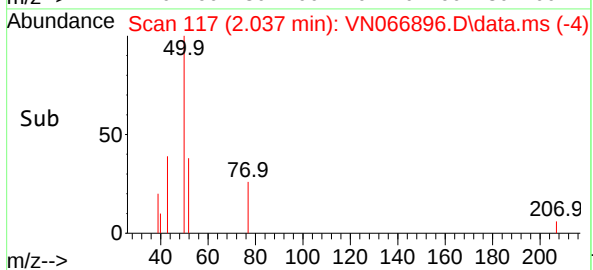
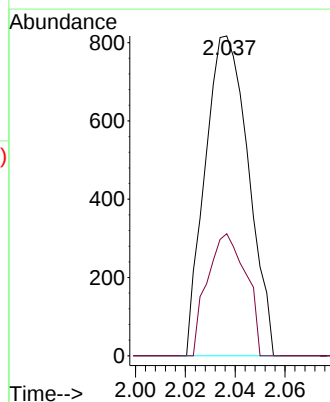
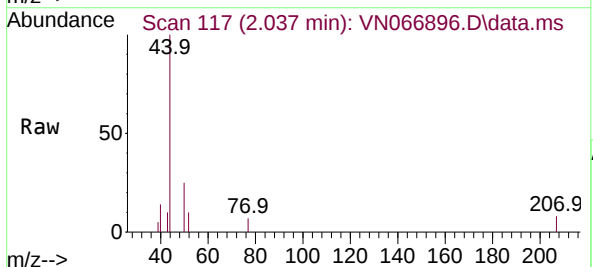
Instrument :
MSVOA_N
ClientSampled :

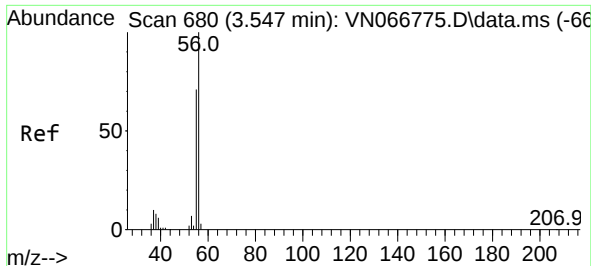
Tgt Ion:168 Resp: 327214
Ion Ratio Lower Upper
168 100
99 47.6 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Tgt Ion: 50 Resp: 985
Ion Ratio Lower Upper
50 100
52 38.2 25.8 38.8

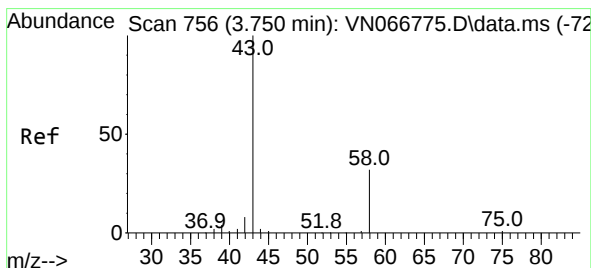
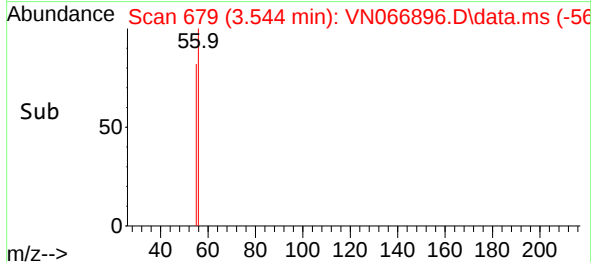
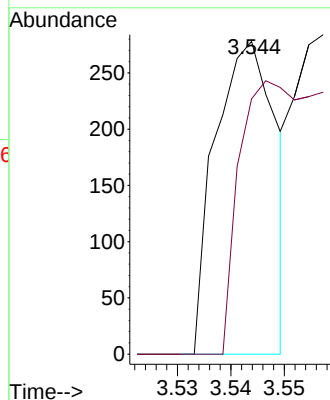
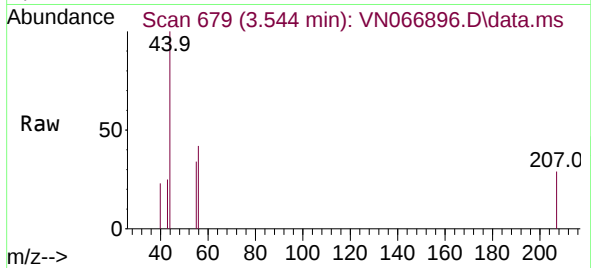




#13
Acrolein
Concen: 0.40 ug/l
RT: 3.544 min Scan# 679
Delta R.T. -0.003 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

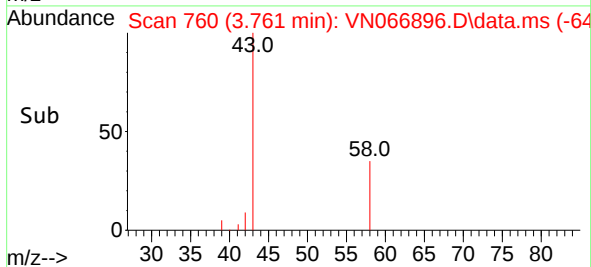
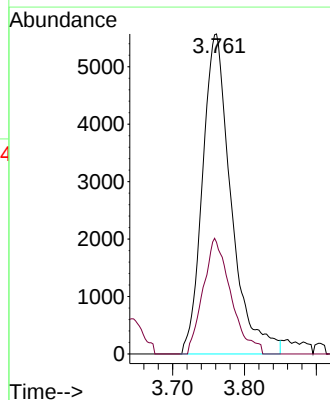
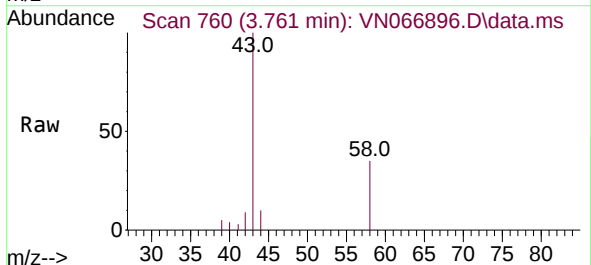
Instrument :
MSVOA_N
ClientSampled :

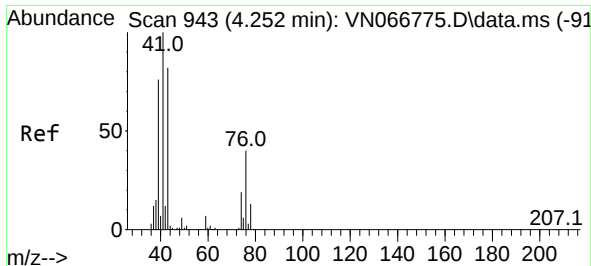
Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 211.9 56.0 84.0#



#16
Acetone
Concen: 9.72 ug/l
RT: 3.761 min Scan# 760
Delta R.T. 0.011 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

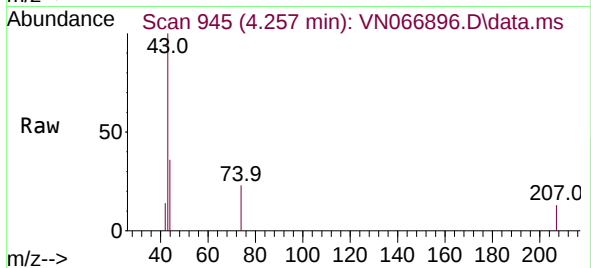
Tgt Ion: 43 Resp: 15416
Ion Ratio Lower Upper
43 100
58 34.9 27.0 40.6



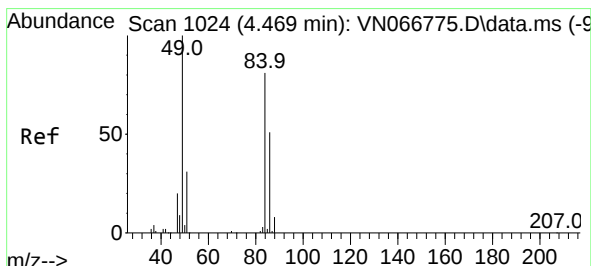
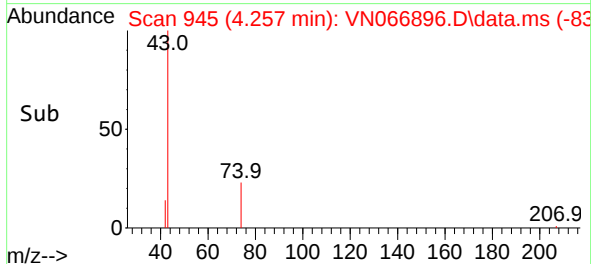
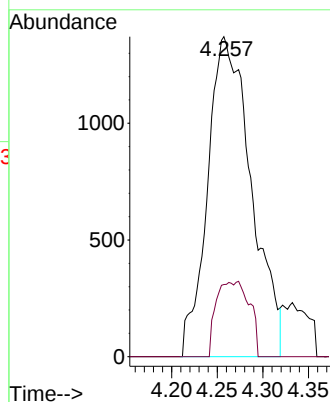


#18
Methyl Acetate
Concen: 2.16 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Instrument :
MSVOA_N
ClientSampled :

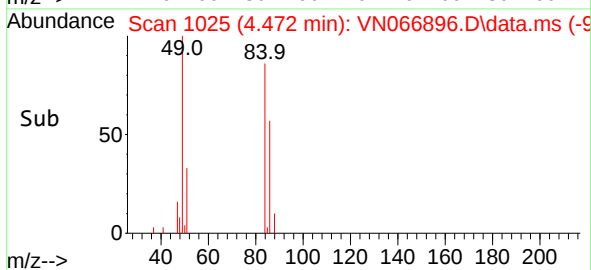
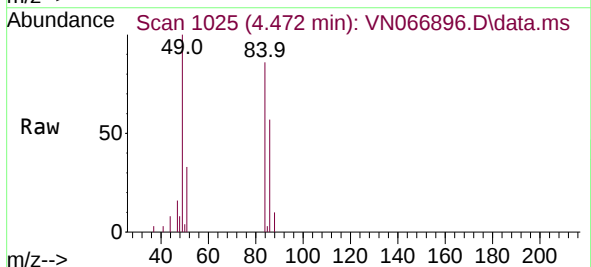
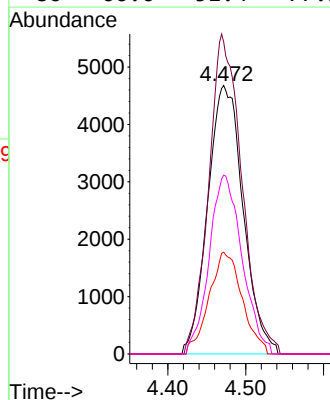


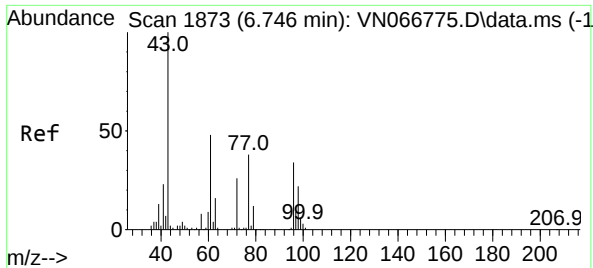
Tgt Ion: 43 Resp: 4573
Ion Ratio Lower Upper
43 100
74 9.6 19.5 29.3#



#20
Methylene Chloride
Concen: 3.68 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.003 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

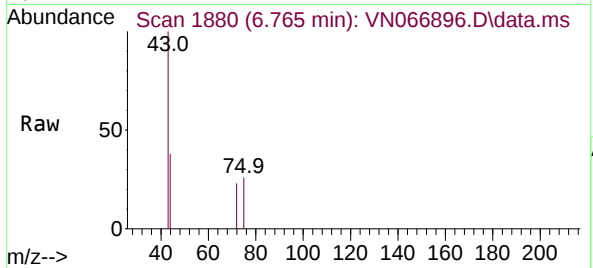
Tgt Ion: 84 Resp: 14773
Ion Ratio Lower Upper
84 100
49 116.2 94.6 141.8
51 37.9 29.9 44.9
86 66.6 51.4 77.2



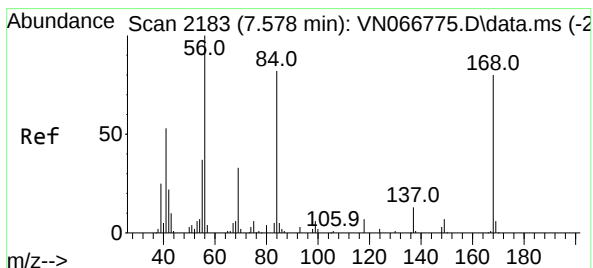
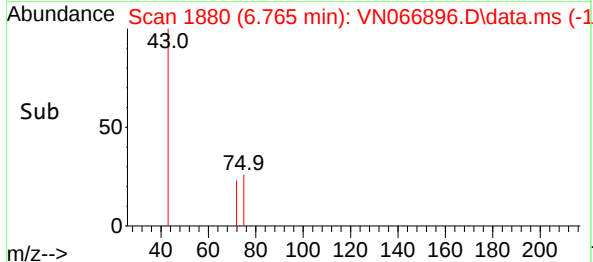
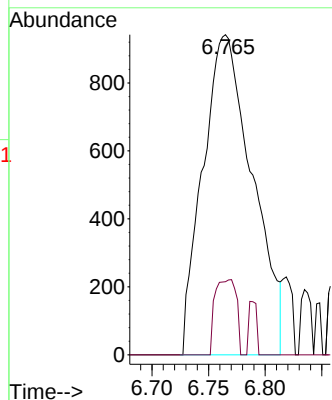


#25
2-Butanone
Concen: 1.29 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. 0.019 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Instrument :
MSVOA_N
ClientSampled :

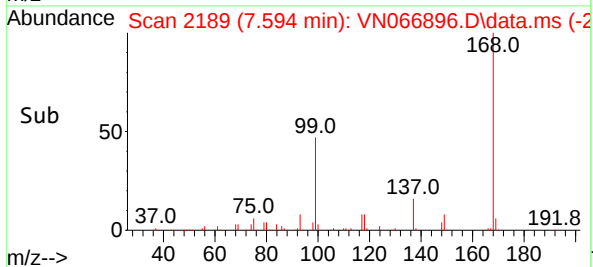
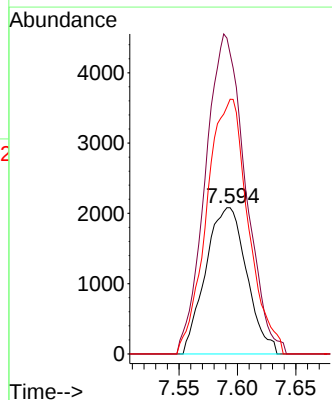
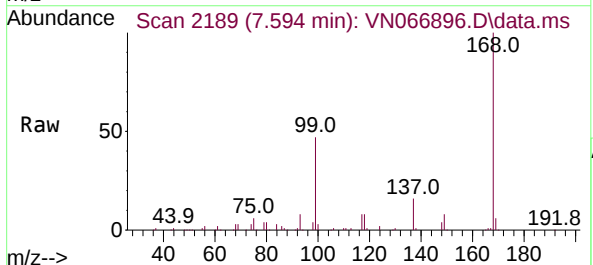


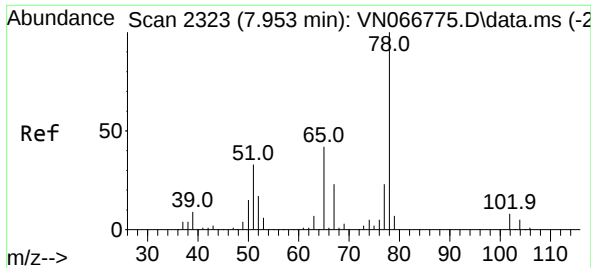
Tgt Ion: 43 Resp: 2867
Ion Ratio Lower Upper
43 100
72 22.8 23.1 34.7#



#31
Cyclohexane
Concen: 0.78 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.016 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Tgt Ion: 56 Resp: 5077
Ion Ratio Lower Upper
56 100
69 196.8 26.6 39.8#
84 166.9 70.4 105.6#

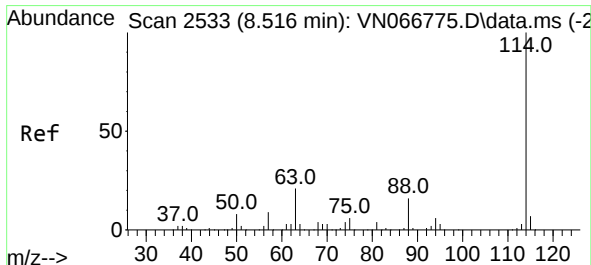
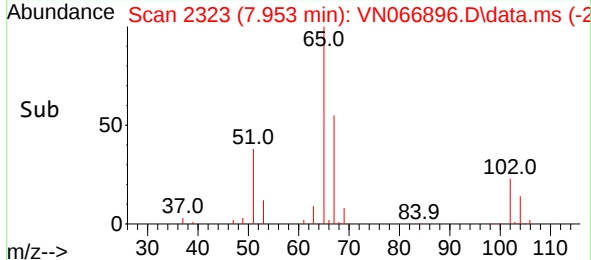
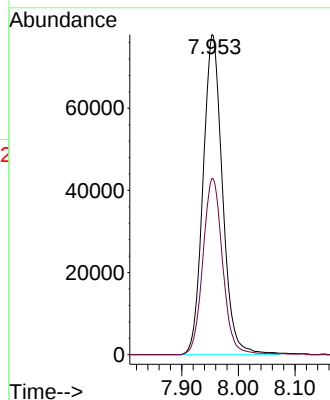
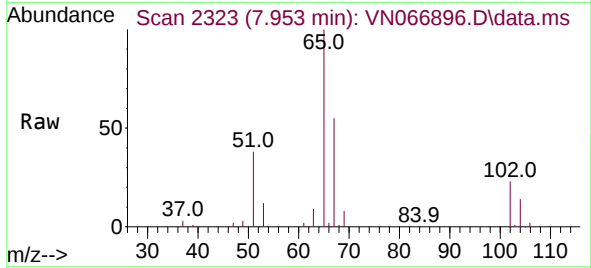




#33
 1,2-Dichloroethane-d4
 Concen: 44.20 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066896.D
 Acq: 30 Apr 2021 5:41

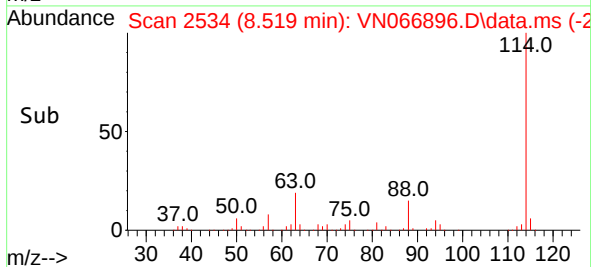
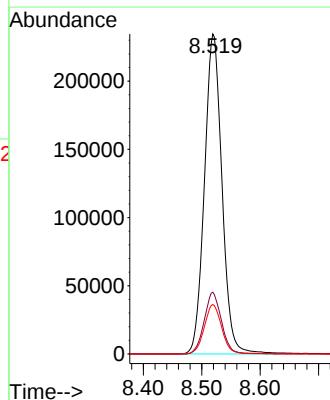
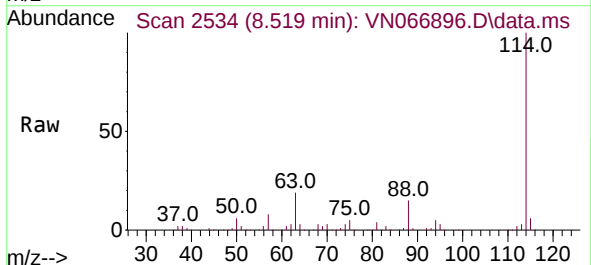
Instrument :
 MSVOA_N
 ClientSampled :

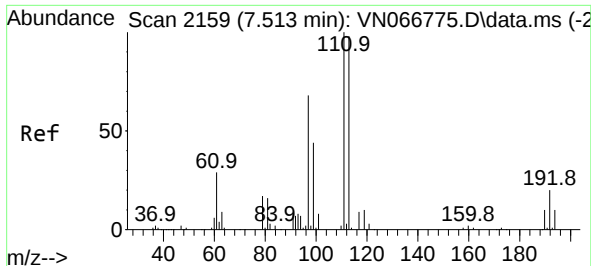
Tgt Ion: 65 Resp: 185826
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066896.D
 Acq: 30 Apr 2021 5:41

Tgt Ion: 114 Resp: 489878
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.4 0.0 30.6

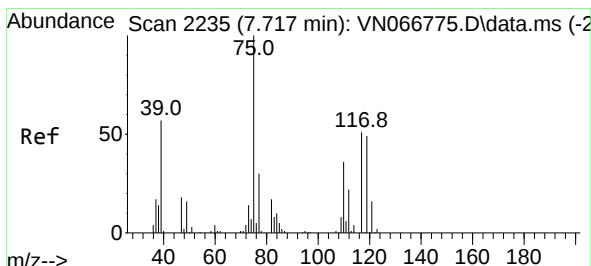
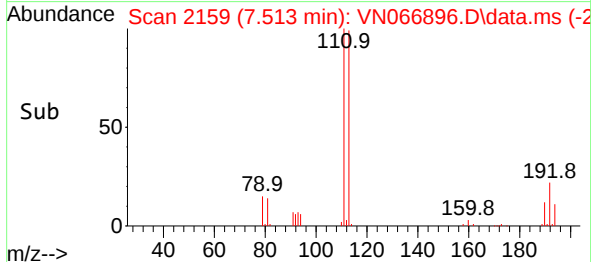
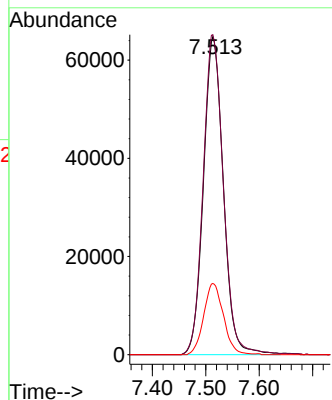
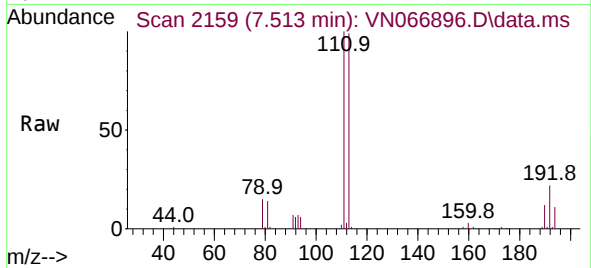




#35
Dibromofluoromethane
Concen: 55.47 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

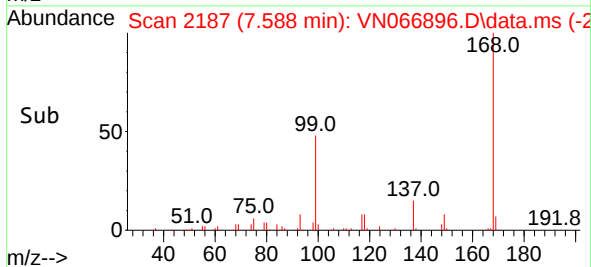
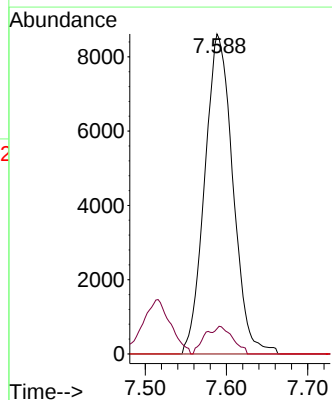
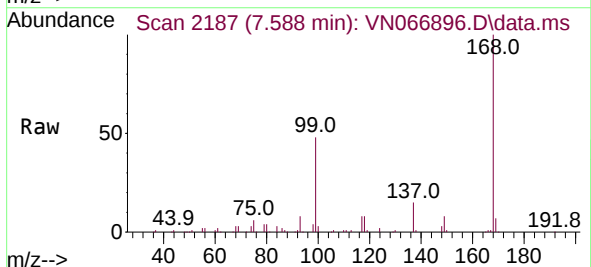
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MSVOA_N
ClientSampled :

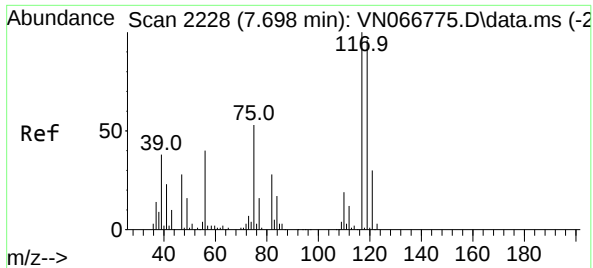
Tgt Ion:113 Resp: 167722
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 22.2 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.56 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

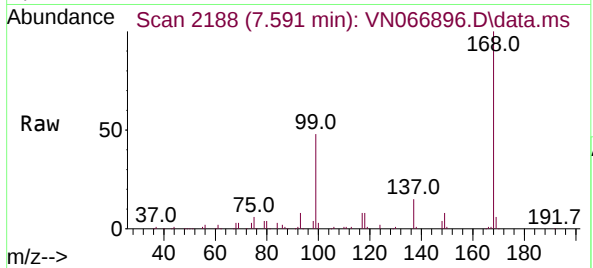
Tgt Ion: 75 Resp: 20743
Ion Ratio Lower Upper
75 100
110 5.0 18.2 54.6#
77 0.0 24.9 37.3#



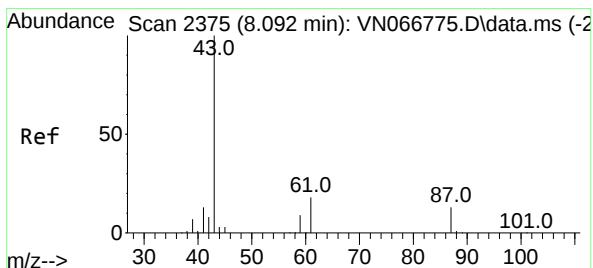
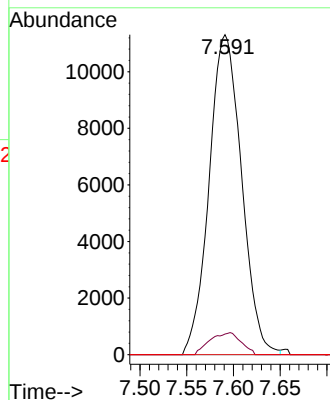
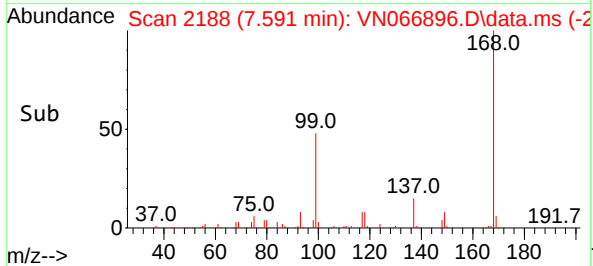


#38
Carbon Tetrachloride
Concen: 6.26 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

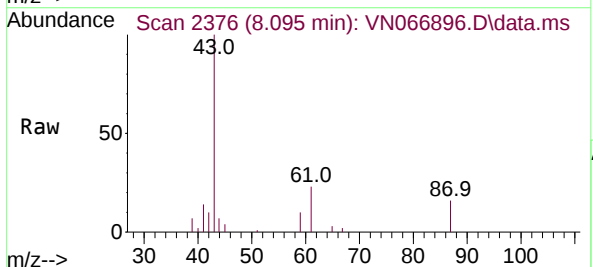
Instrument :
MSVOA_N
ClientSampled :



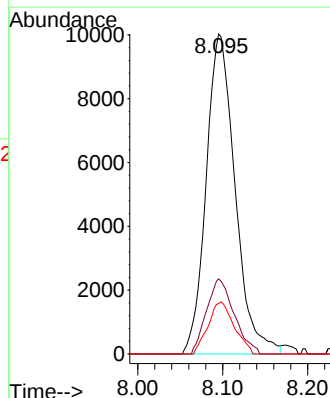
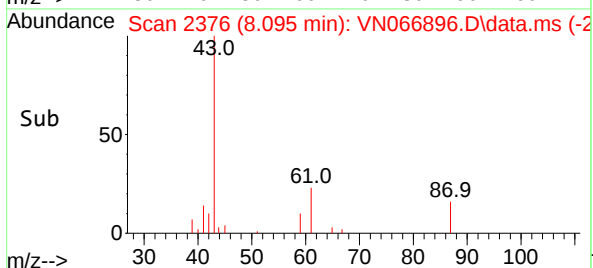
Tgt Ion:117 Resp: 27327
Ion Ratio Lower Upper
117 100
119 6.5 76.0 114.0#
121 0.0 24.5 36.7#

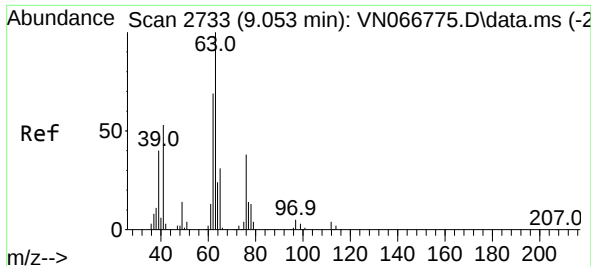


#43
Isopropyl Acetate
Concen: 3.09 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41



Tgt Ion: 43 Resp: 23728
Ion Ratio Lower Upper
43 100
61 22.3 22.5 33.7#
87 14.6 11.1 16.7





#45

1,2-Dichloropropane

Concen: 0.46 ug/l

RT: 9.203 min Scan# 2789

Delta R.T. 0.150 min

Lab File: VN066896.D

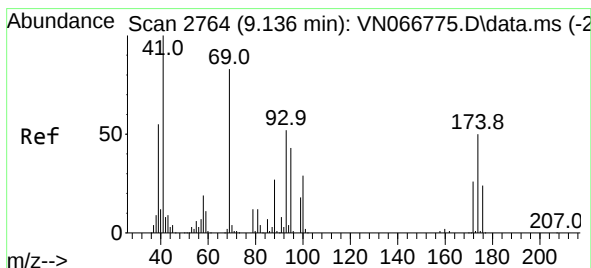
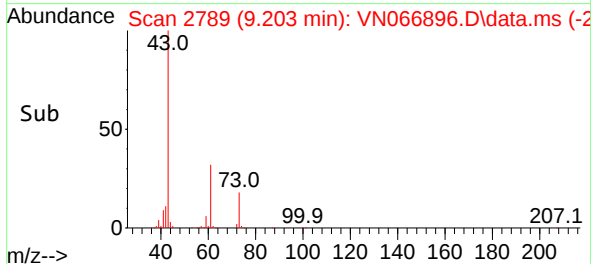
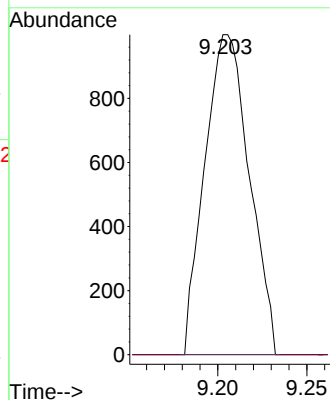
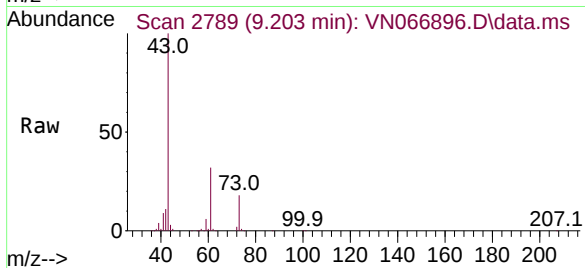
Acq: 30 Apr 2021 5:41

Tgt Ion: 63 Resp: 1742

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.65 ug/l

RT: 9.117 min Scan# 2757

Delta R.T. -0.019 min

Lab File: VN066896.D

Acq: 30 Apr 2021 5:41

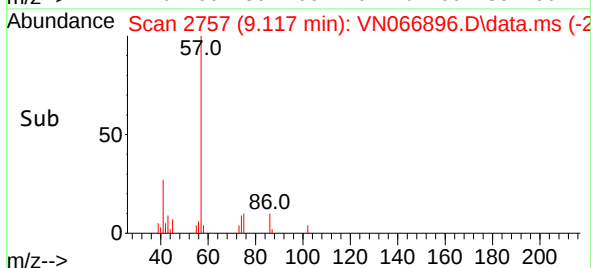
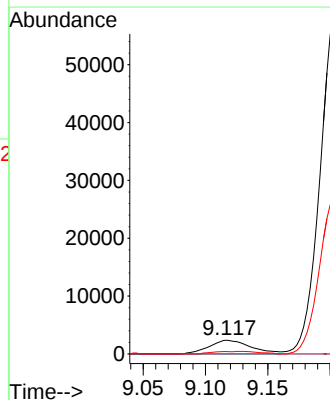
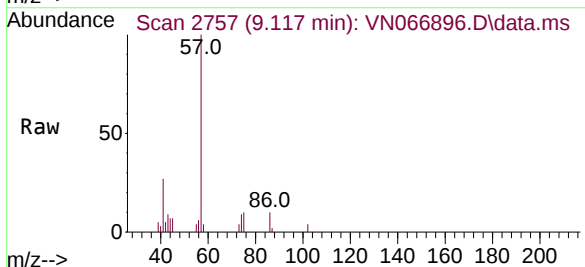
Tgt Ion: 41 Resp: 5517

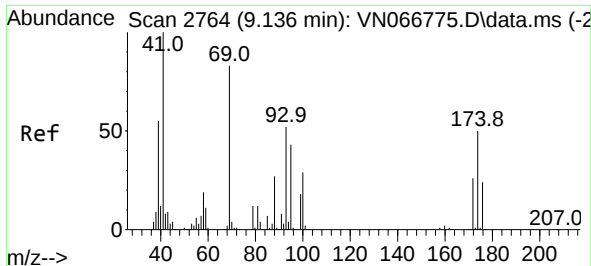
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 0.0 46.6 69.8#





#49

1,4-Dioxane

Concen: 1.06 ug/l

RT: 9.206 min Scan# 2790

Delta R.T. 0.070 min

Lab File: VN066896.D

Acq: 30 Apr 2021 5:41

Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

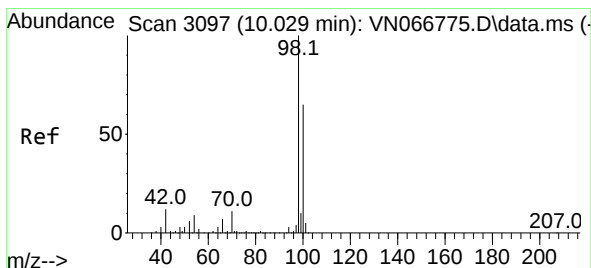
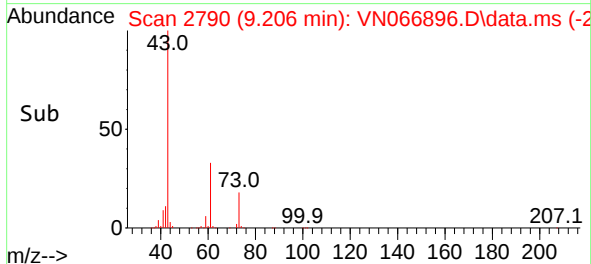
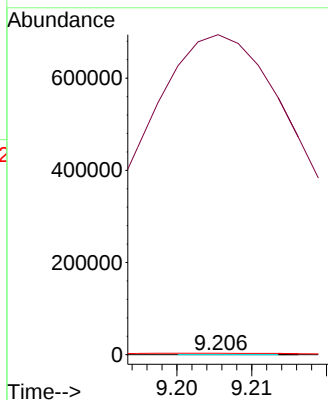
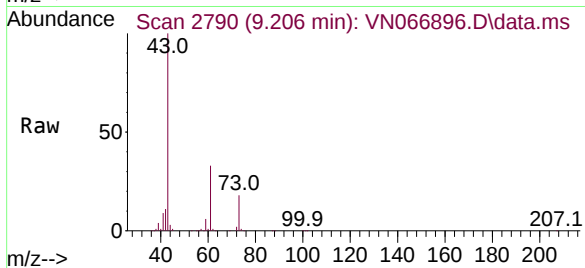
43 2469705.7 24.7 37.1#

58 12645.3 52.6 78.8#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 54.70 ug/l

RT: 10.029 min Scan# 3097

Delta R.T. -0.000 min

Lab File: VN066896.D

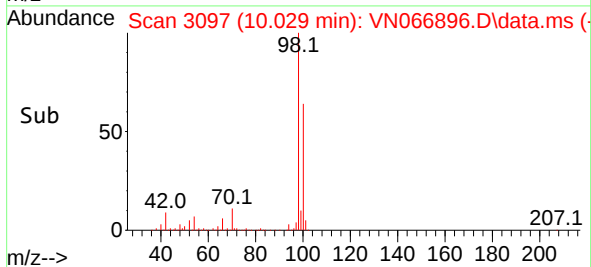
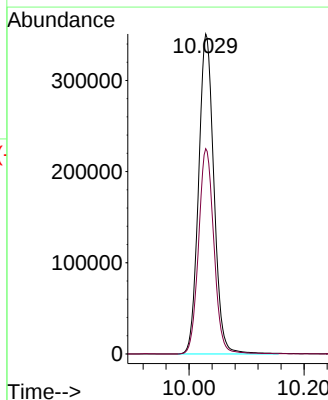
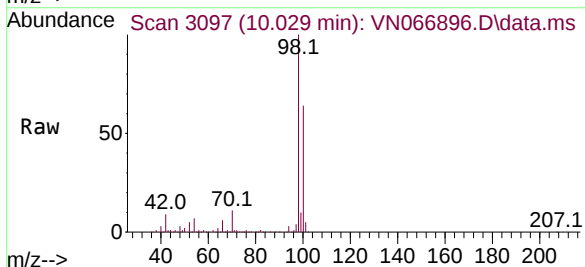
Acq: 30 Apr 2021 5:41

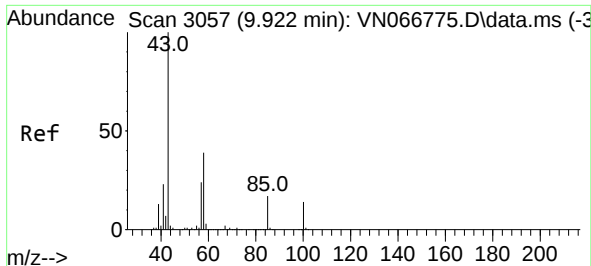
Tgt Ion: 98 Resp: 649288

Ion Ratio Lower Upper

98 100

100 64.4 50.5 75.7

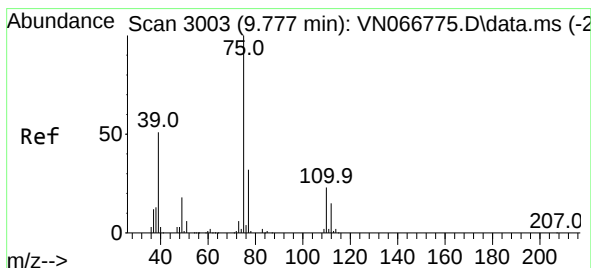
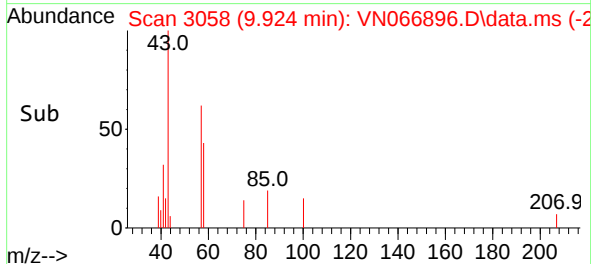
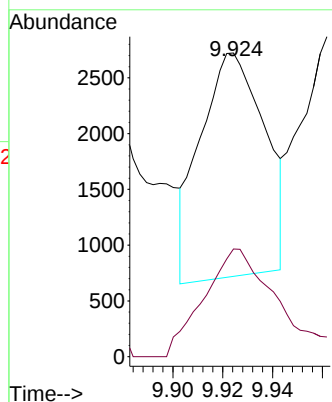
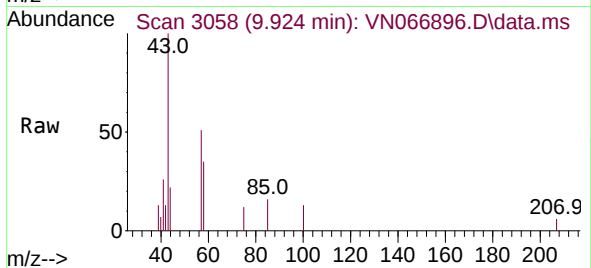




#51
4-Methyl-2-Pentanone
Concen: 0.86 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

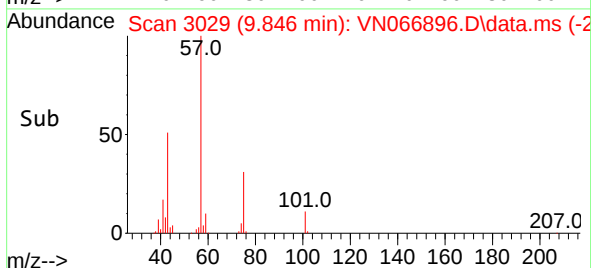
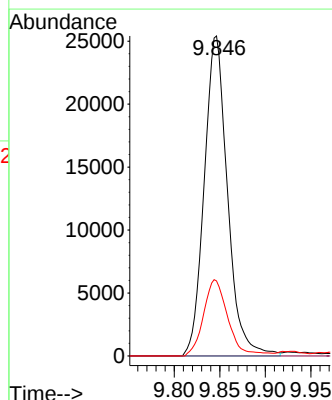
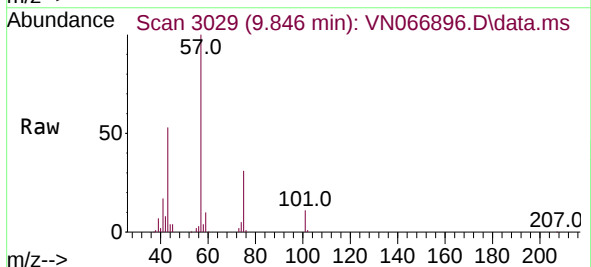
Instrument :
MSVOA_N
ClientSampled :

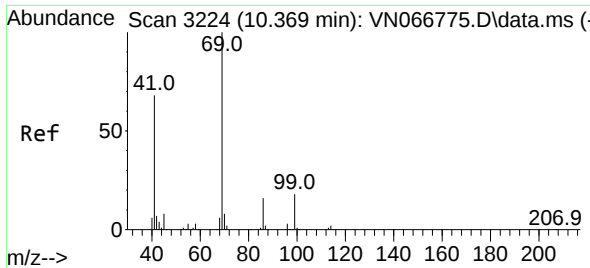
Tgt Ion: 43 Resp: 3587
Ion Ratio Lower Upper
43 100
58 55.8 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 7.79 ug/l
RT: 9.846 min Scan# 3029
Delta R.T. 0.069 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Tgt Ion: 75 Resp: 45113
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 23.4 36.2 54.4#

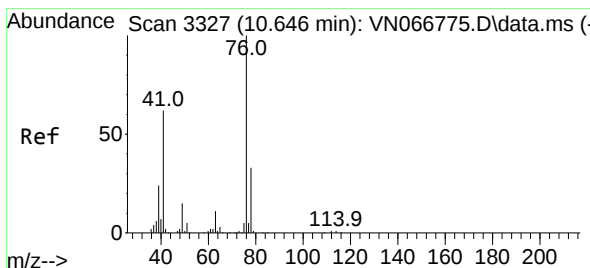
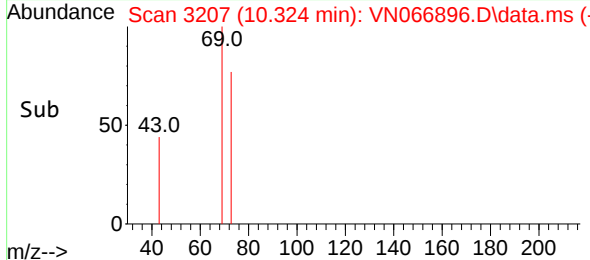
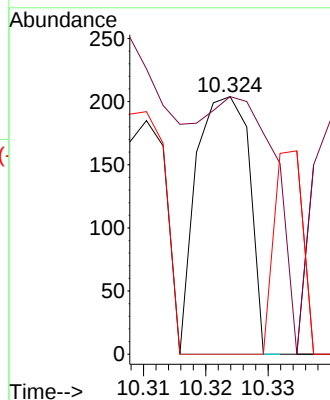
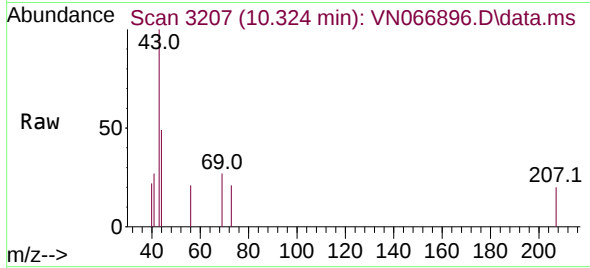




#56
Ethyl methacrylate
Concen: 3.19 ug/l
RT: 10.324 min Scan# 3207
Delta R.T. -0.045 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

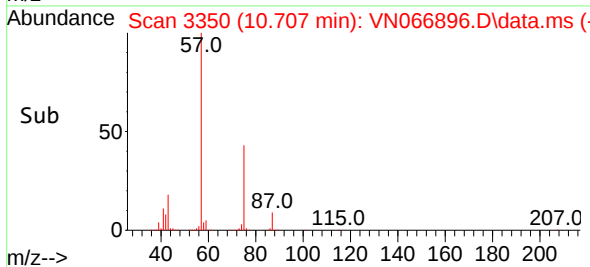
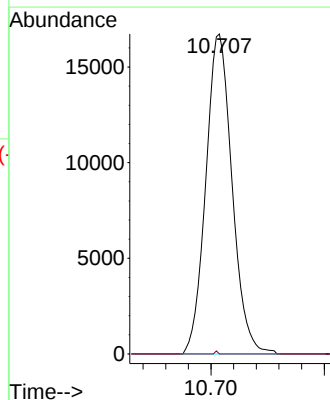
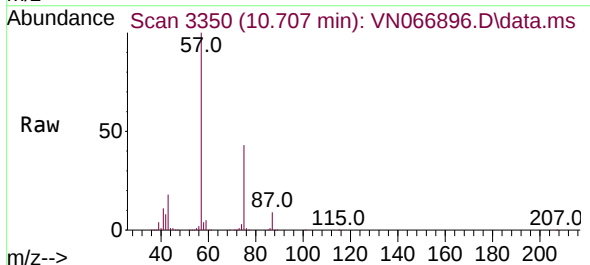
Instrument :
MSVOA_N
ClientSampled :

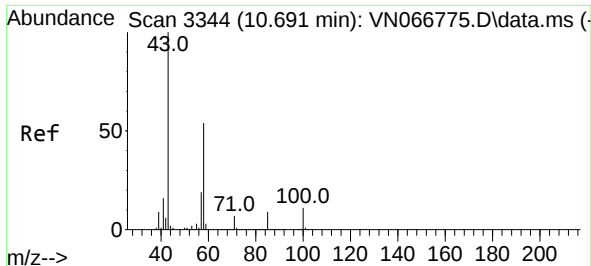
Tgt Ion: 69 Resp: 119
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.82 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Tgt Ion: 76 Resp: 26939
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

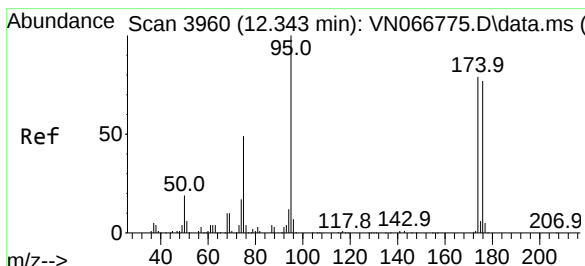
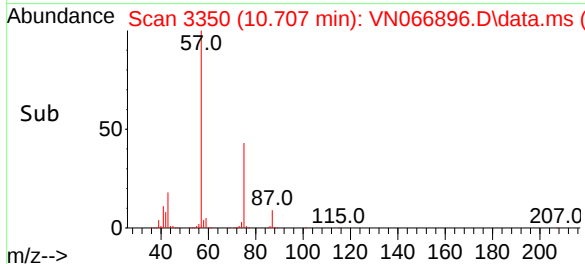
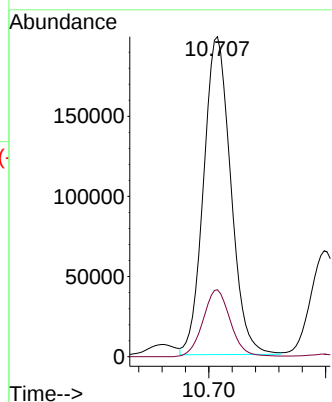
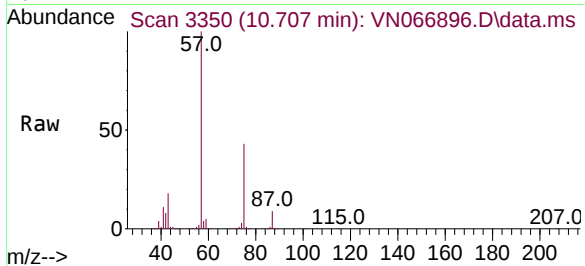




#59
2-Hexanone
Concen: 109.38 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

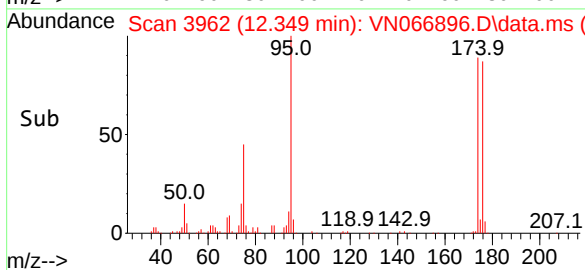
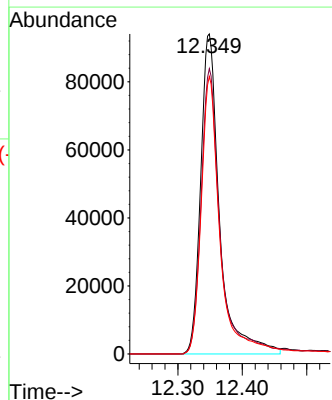
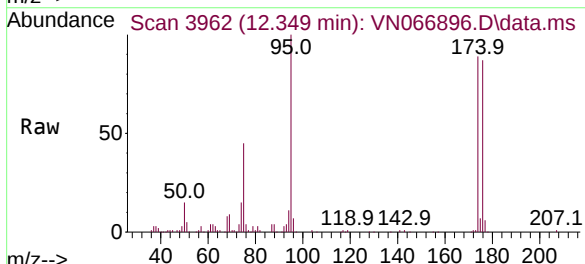
Instrument :
MSVOA_N
ClientSampled :

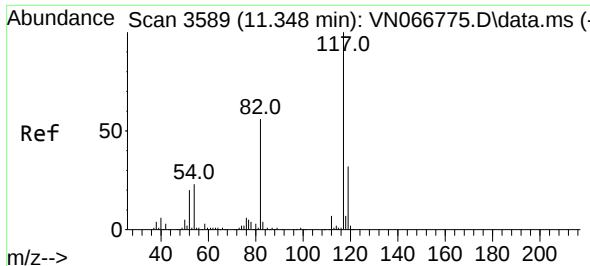
Tgt Ion: 43 Resp: 320190
Ion Ratio Lower Upper
43 100
58 21.3 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 47.94 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Tgt Ion: 95 Resp: 192536
Ion Ratio Lower Upper
95 100
174 89.5 0.0 169.0
176 86.4 0.0 162.4

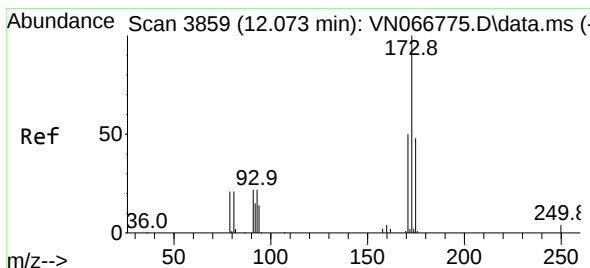
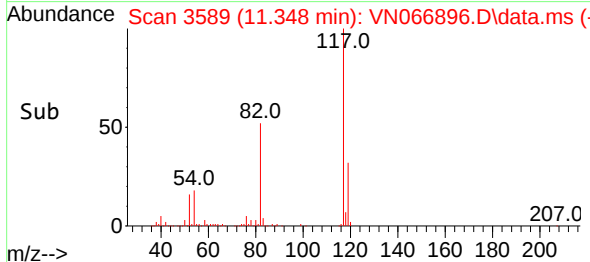
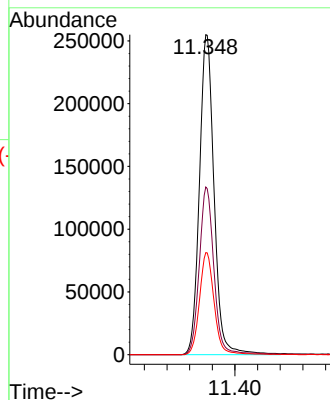
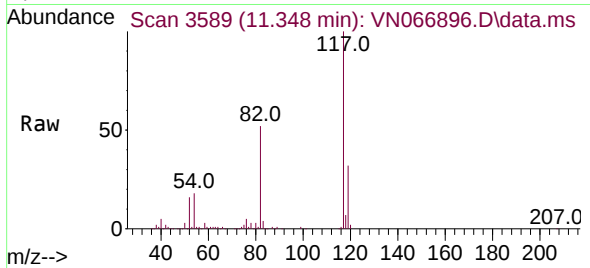




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

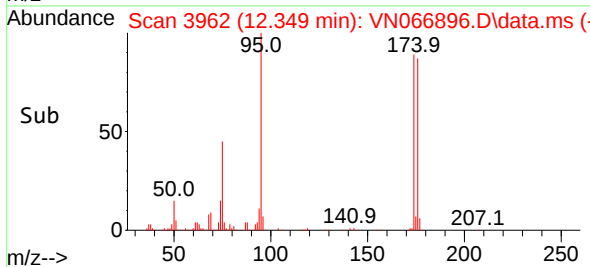
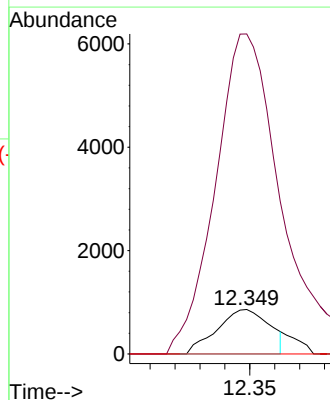
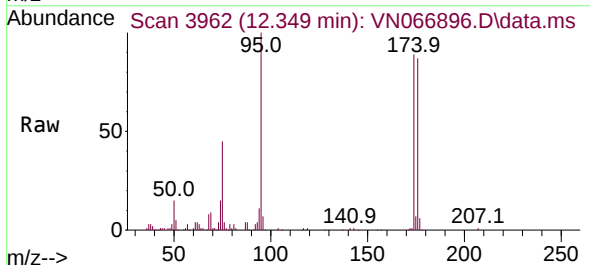
Instrument :
MSVOA_N
ClientSampled :

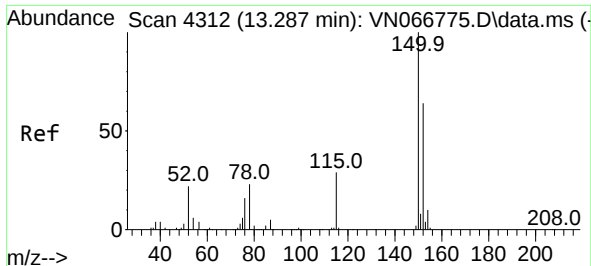
Tgt Ion:117 Resp: 457400
Ion Ratio Lower Upper
117 100
82 52.4 43.7 65.5
119 31.9 26.1 39.1



#71
Bromoform
Concen: 0.51 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Tgt Ion:173 Resp: 1262
Ion Ratio Lower Upper
173 100
175 752.9 23.8 71.2#
254 0.0 0.0 0.0

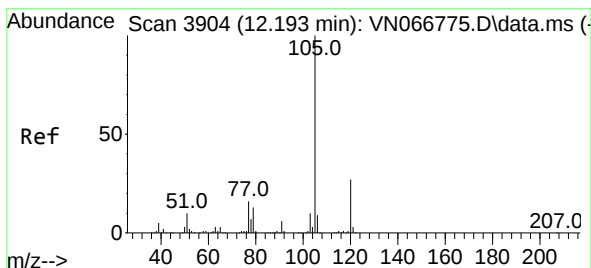
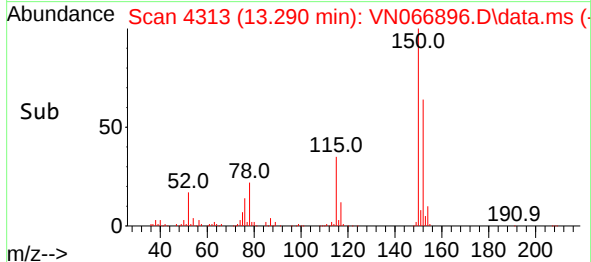
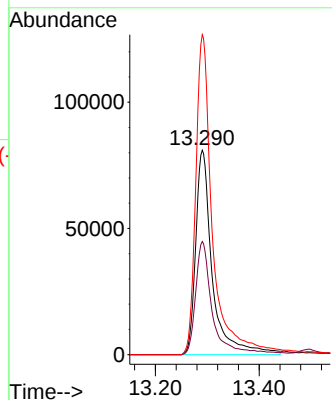
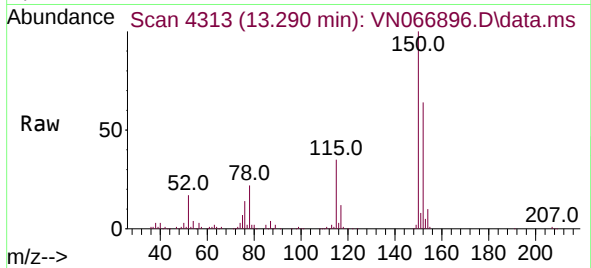




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

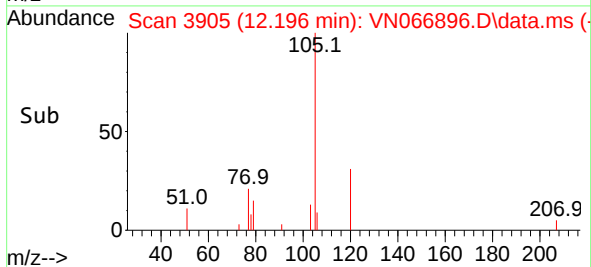
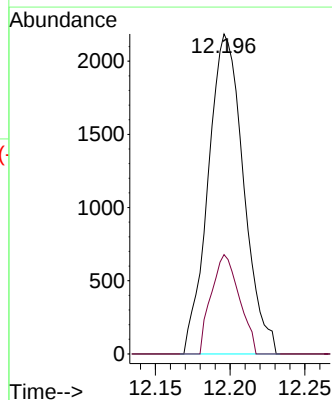
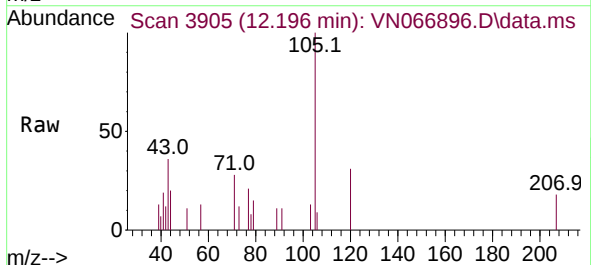
Instrument :
MSVOA_N
ClientSampled :

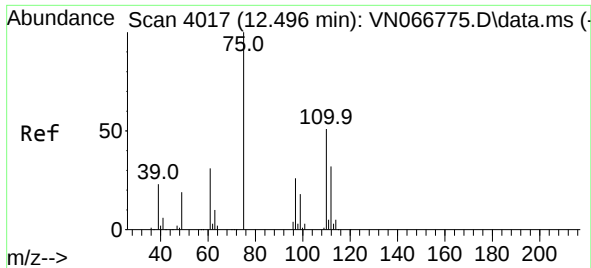
Tgt Ion:152 Resp: 180909
Ion Ratio Lower Upper
152 100
115 53.5 28.5 85.6
150 159.1 0.0 347.6



#73
Isopropylbenzene
Concen: 0.27 ug/l
RT: 12.196 min Scan# 3905
Delta R.T. 0.003 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Tgt Ion:105 Resp: 3597
Ion Ratio Lower Upper
105 100
120 24.6 13.3 39.9

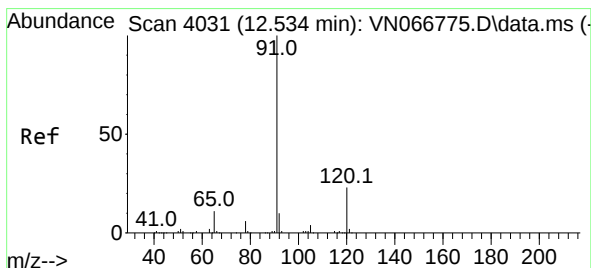
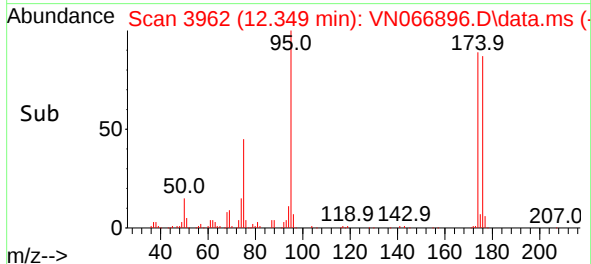
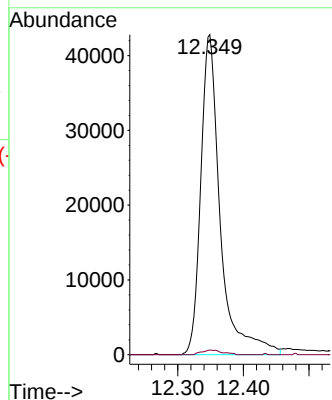
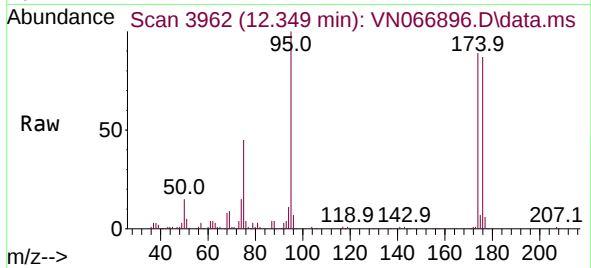




#76
1,2,3-Trichloropropane
Concen: 23.16 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

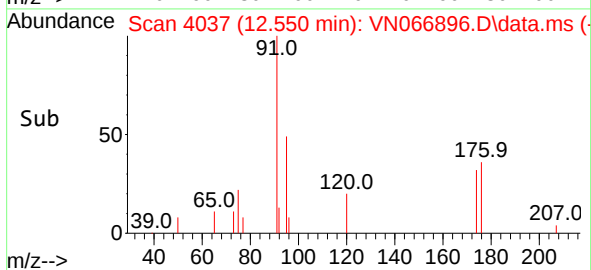
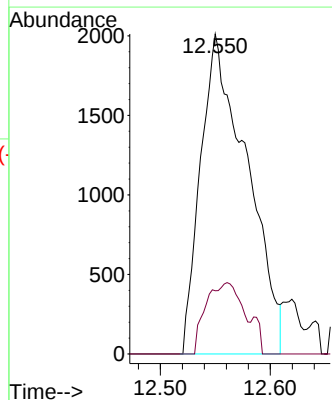
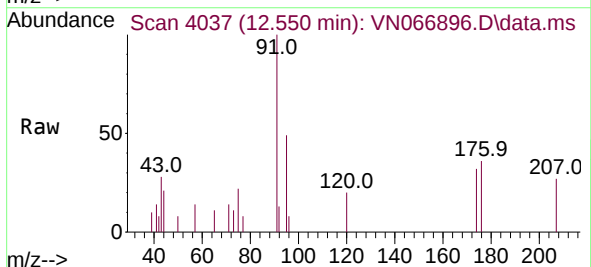
Instrument :
MSVOA_N
ClientSampled :

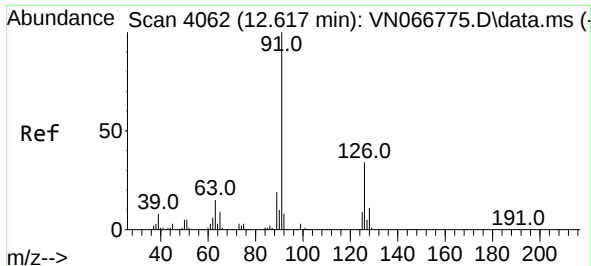
Tgt Ion: 75 Resp: 88310
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#78
n-propylbenzene
Concen: 0.40 ug/l
RT: 12.550 min Scan# 4037
Delta R.T. 0.016 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Tgt Ion: 91 Resp: 5862
Ion Ratio Lower Upper
91 100
120 17.6 11.8 35.3

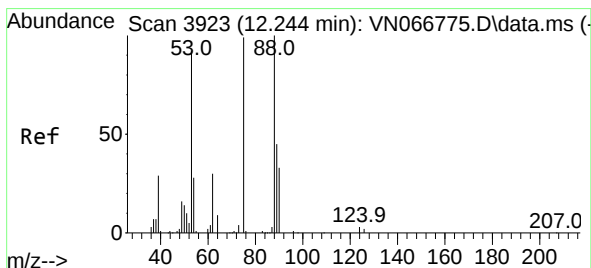
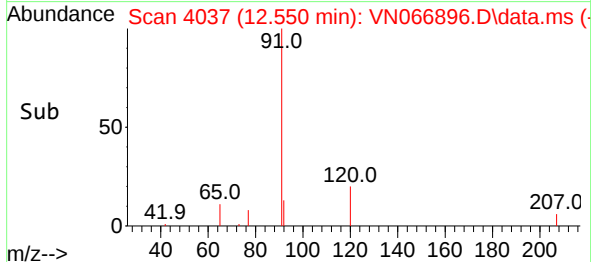
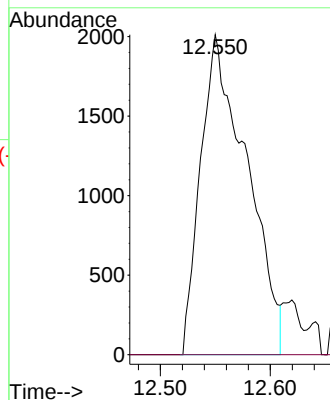
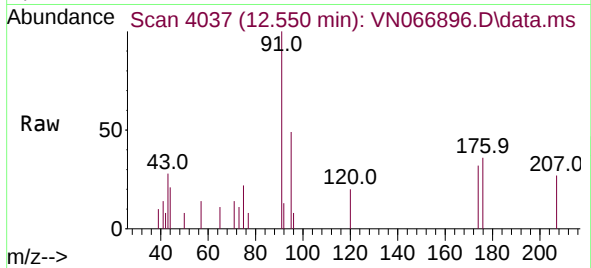




#79
2-Chlorotoluene
Concen: 0.63 ug/l
RT: 12.550 min Scan# 4037
Delta R.T. -0.067 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

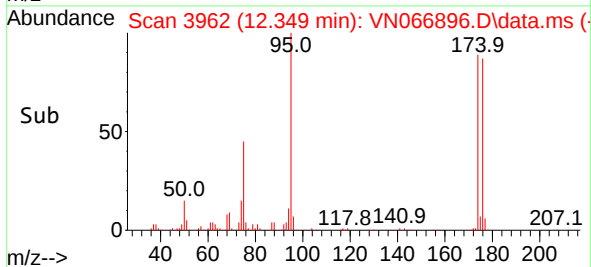
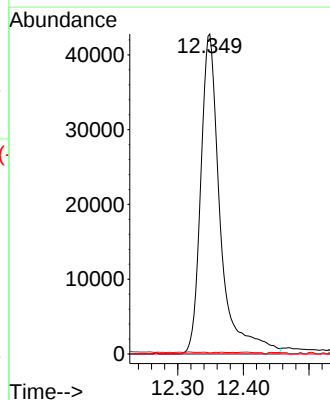
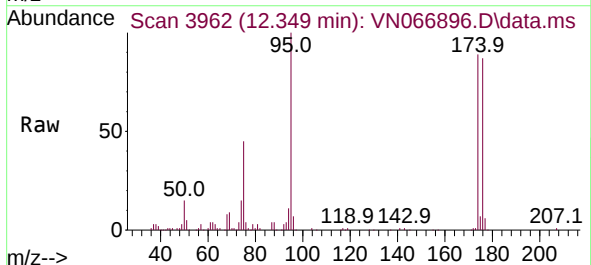
Instrument :
MSVOA_N
ClientSampled :

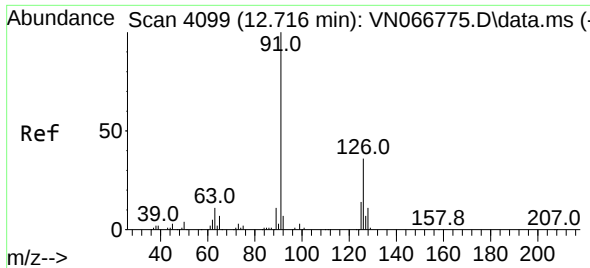
Tgt Ion: 91 Resp: 5862
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.62 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

Tgt Ion: 75 Resp: 88310
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

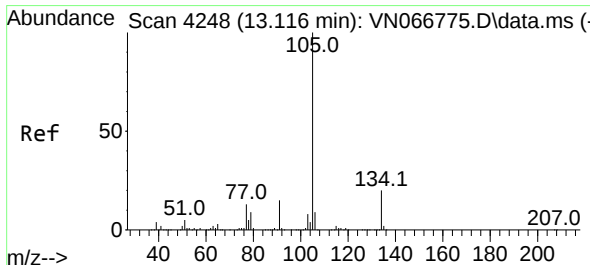
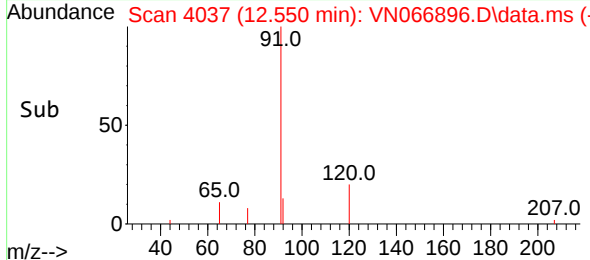
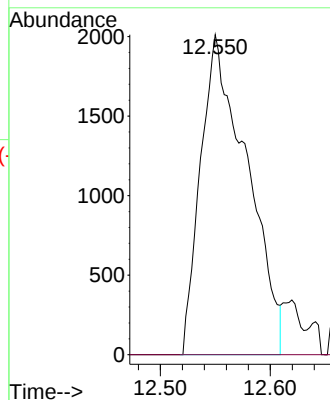
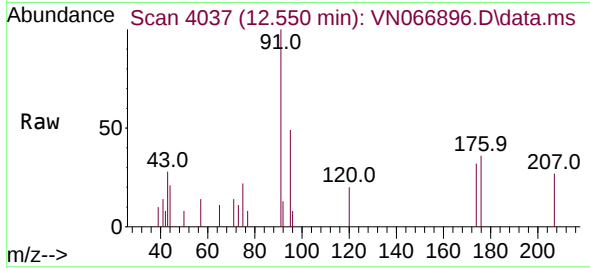




#82
4-Chlorotoluene
Concen: 0.65 ug/l
RT: 12.550 min Scan# 4037
Delta R.T. -0.166 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

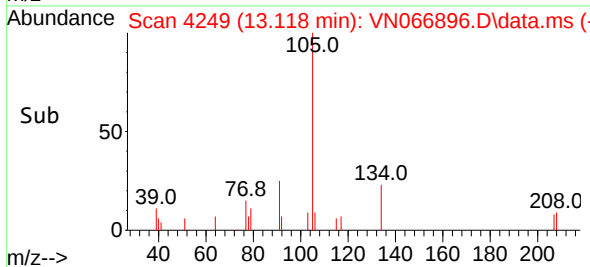
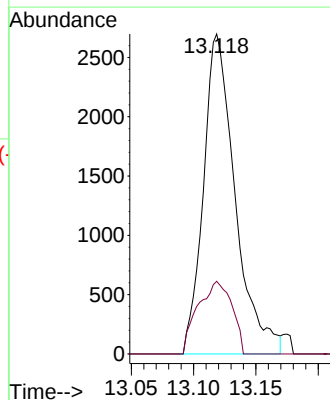
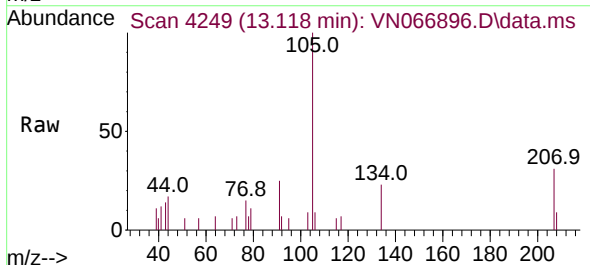
Instrument :
MSVOA_N
ClientSampled :

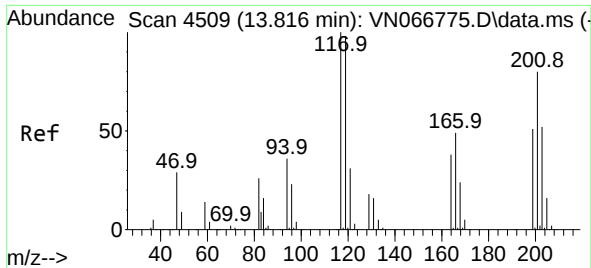
Tgt Ion: 91 Resp: 5862
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



#85
sec-Butylbenzene
Concen: 0.38 ug/l
RT: 13.118 min Scan# 4249
Delta R.T. 0.002 min
Lab File: VN066896.D
Acq: 30 Apr 2021 5:41

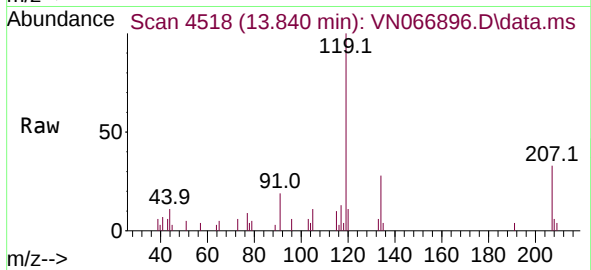
Tgt Ion: 105 Resp: 4778
Ion Ratio Lower Upper
105 100
134 24.3 10.0 30.0





#90
 Hexachloroethane
 Concen: 0.60 ug/l
 RT: 13.840 min Scan# 4518
 Delta R.T. 0.024 min
 Lab File: VN066896.D
 Acq: 30 Apr 2021 5:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:117 Resp: 1343
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.8 113.3#

