

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042721\
 Data File : VN066797.D
 Acq On : 27 Apr 2021 21:36
 Operator : JC/MD
 Sample : M2170-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 28 08:15:29 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)

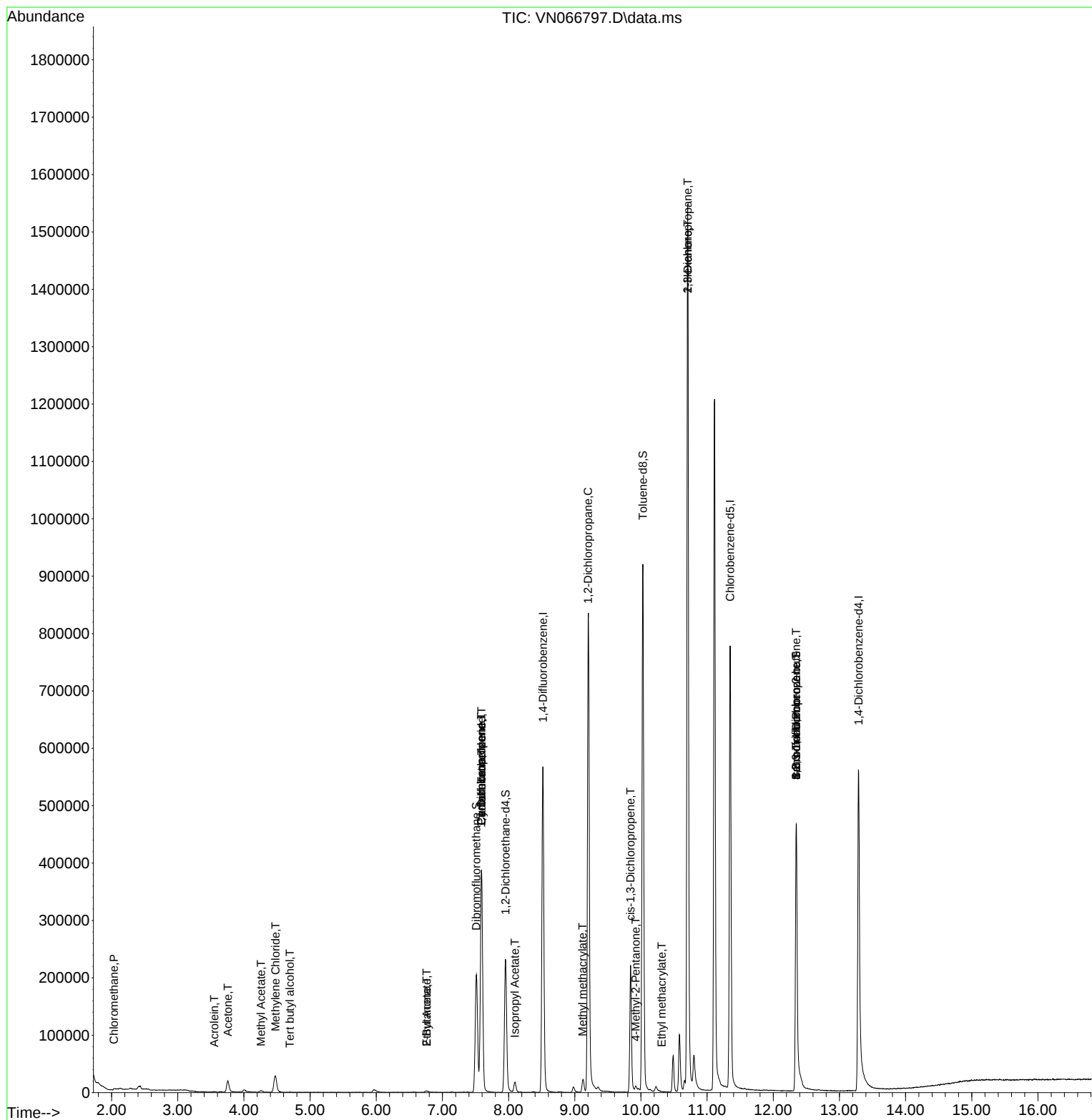
Internal Standards						
1) Pentafluorobenzene	7.591	168	346336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	533281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	482524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	210393	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	200398	45.03	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 90.06%			
35) Dibromofluoromethane	7.513	113	165842	50.38	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.76%			
50) Toluene-d8	10.029	98	654199	50.63	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.26%			
62) 4-Bromofluorobenzene	12.346	95	209553	47.93	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.86%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.034	50	1099	0.22	ug/l	98
11) Tert butyl alcohol	4.694	59	173	0.25	ug/l #	73
13) Acrolein	3.552	56	649	1.13	ug/l #	66
16) Acetone	3.758	43	34287	20.42	ug/l	96
18) Methyl Acetate	4.257	43	6082	2.43	ug/l #	85
20) Methylene Chloride	4.477	84	22845	5.37	ug/l	95
25) 2-Butanone	6.762	43	5614	2.38	ug/l	90
31) Cyclohexane	7.591	56	6176	0.90	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	24146	4.87	ug/l #	43
37) Ethyl Acetate	6.762	43	5614	1.07	ug/l #	68
38) Carbon Tetrachloride	7.591	117	30003	6.31	ug/l #	17
43) Isopropyl Acetate	8.095	43	22559	2.70	ug/l #	83
45) 1,2-Dichloropropane	9.200	63	961	0.23	ug/l #	44
48) Methyl methacrylate	9.117	41	5217	1.43	ug/l #	22
51) 4-Methyl-2-Pentanone	9.922	43	4498	0.99	ug/l #	62
54) cis-1,3-Dichloropropene	9.844	75	41377	6.57	ug/l #	58
56) Ethyl methacrylate	10.313	69	80	3.18	ug/l #	27
57) 1,3-Dichloropropane	10.707	76	16720	2.75	ug/l #	43
59) 2-Hexanone	10.707	43	225317	77.62	ug/l #	51
71) Bromoform	12.346	173	1140	0.43	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	100755	22.72	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	100755	61.56	ug/l #	12

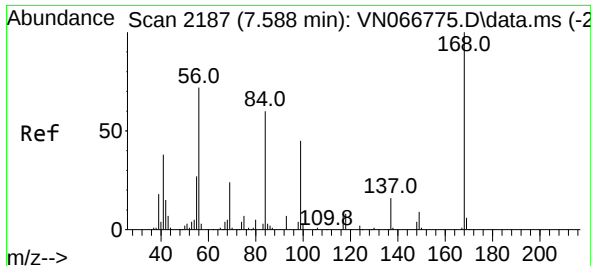
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 28 08:15:29 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

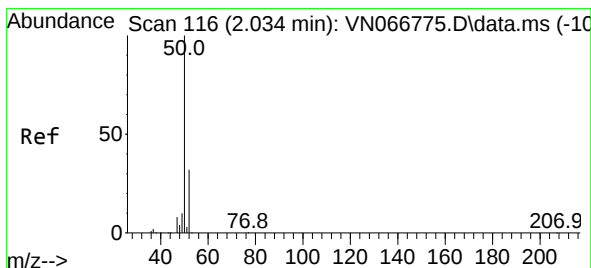
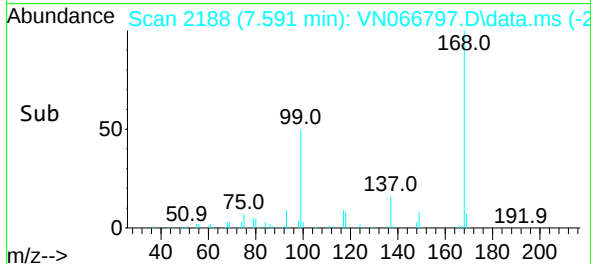
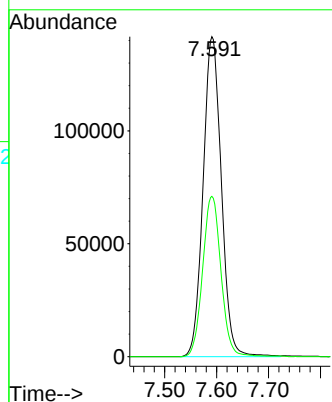
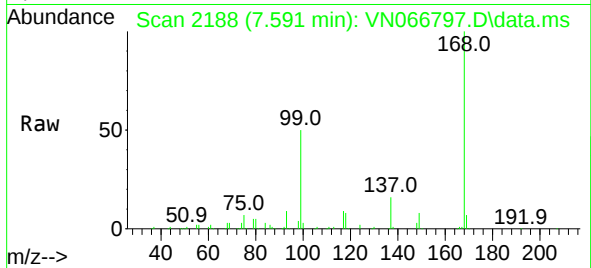




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

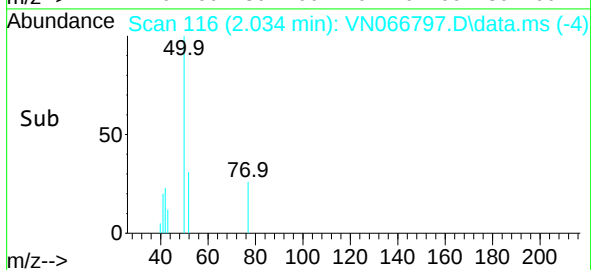
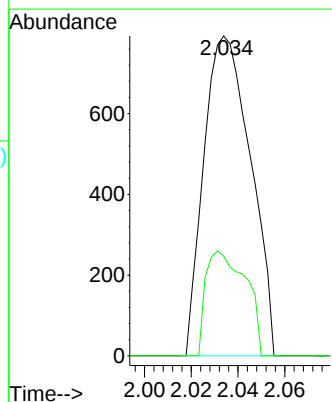
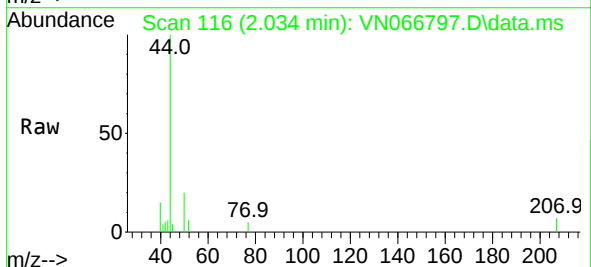
Instrument :
MSVOA_N
ClientSampled :

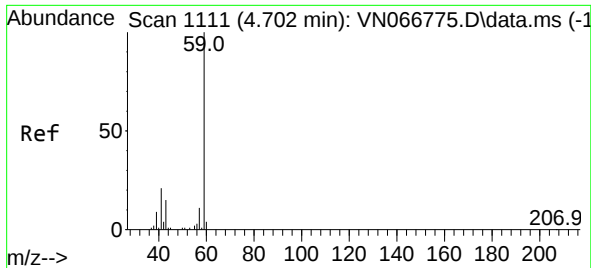
Tgt Ion:168 Resp: 346336
Ion Ratio Lower Upper
168 100
99 50.1 42.6 63.8



#3
Chloromethane
Concen: 0.22 ug/l
RT: 2.034 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

Tgt Ion: 50 Resp: 1099
Ion Ratio Lower Upper
50 100
52 31.2 25.8 38.8

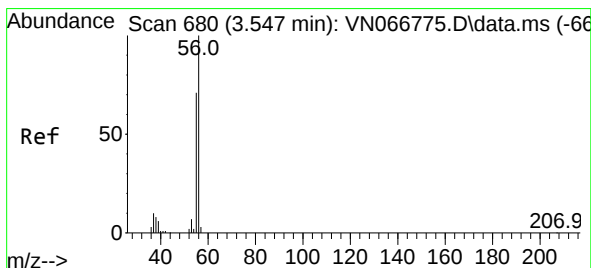
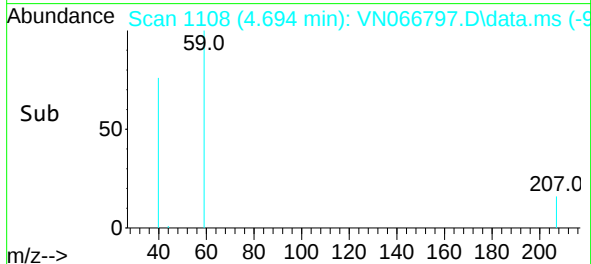
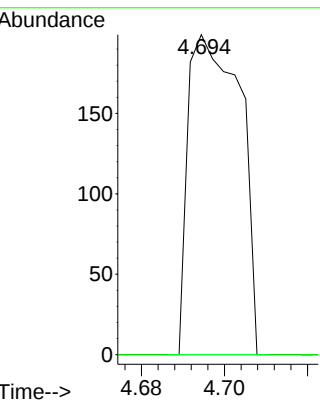
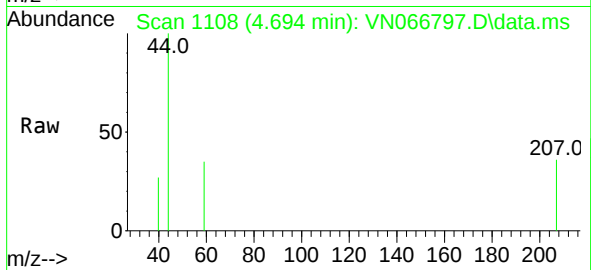




#11
Tert butyl alcohol
Concen: 0.25 ug/l
RT: 4.694 min Scan# 1108
Delta R.T. -0.008 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

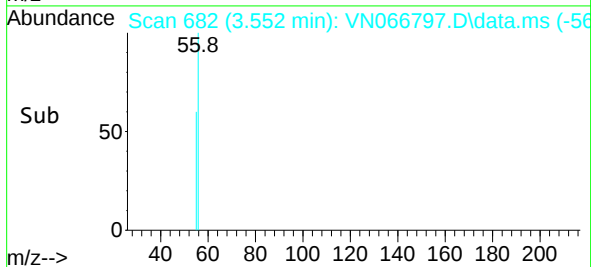
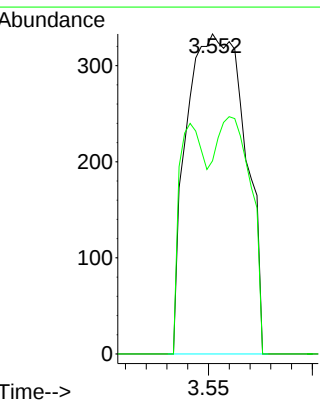
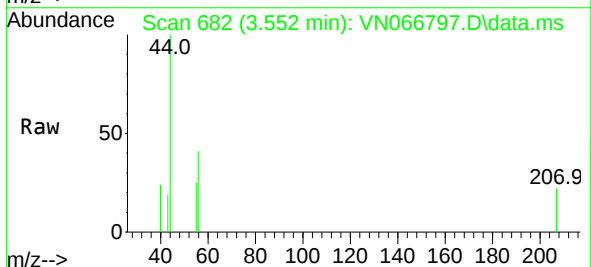
Instrument :
MSVOA_N
ClientSampled :

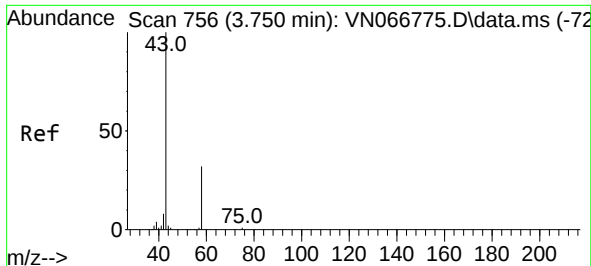
Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 1.13 ug/l
RT: 3.552 min Scan# 682
Delta R.T. 0.005 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

Tgt Ion: 56 Resp: 649
Ion Ratio Lower Upper
56 100
55 42.4 56.0 84.0#

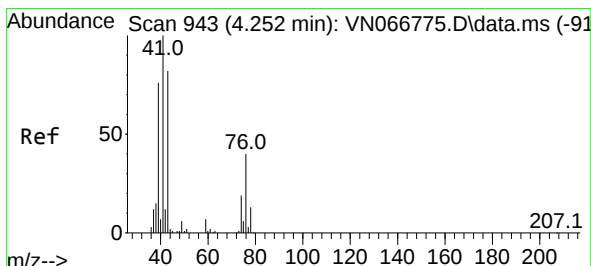
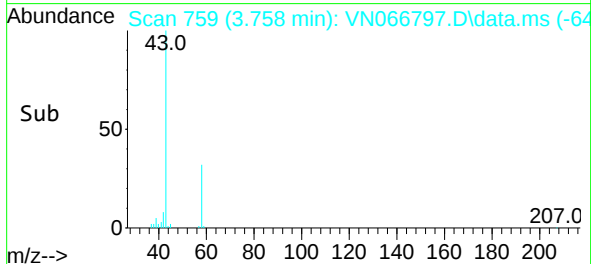
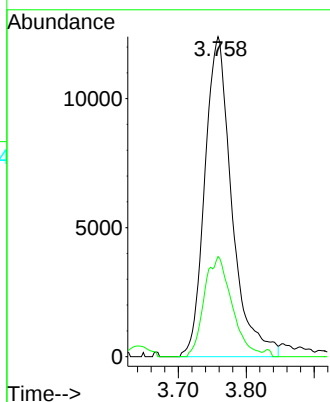
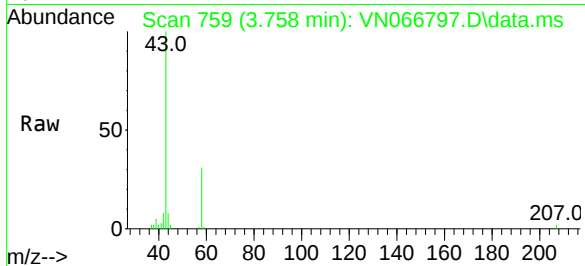




#16
Acetone
Concen: 20.42 ug/l
RT: 3.758 min Scan# 759
Delta R.T. 0.008 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

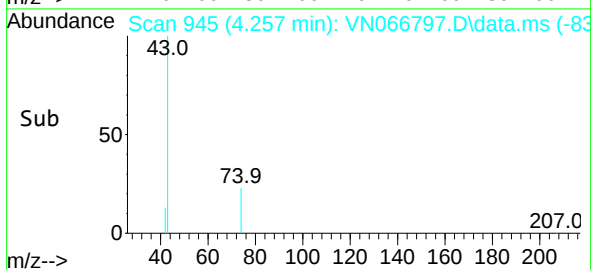
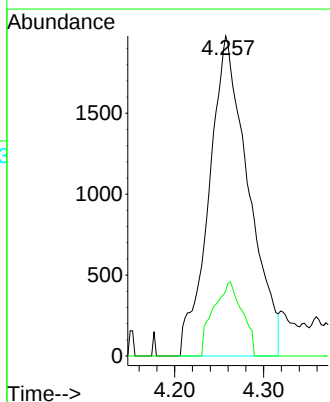
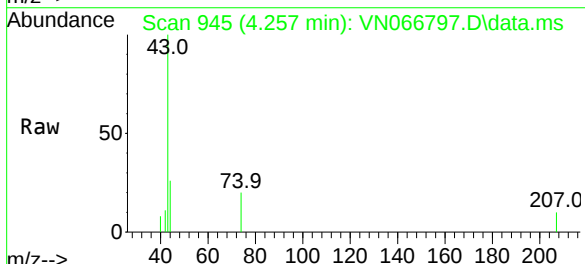
Instrument :
MSVOA_N
ClientSampled :

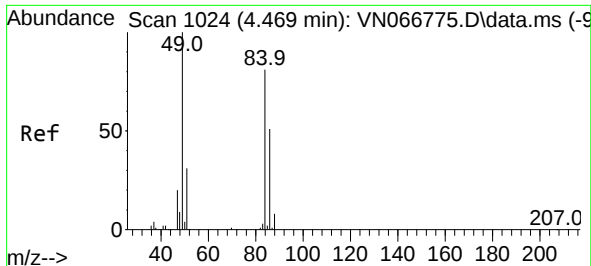
Tgt Ion: 43 Resp: 34287
Ion Ratio Lower Upper
43 100
58 31.3 27.0 40.6



#18
Methyl Acetate
Concen: 2.43 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

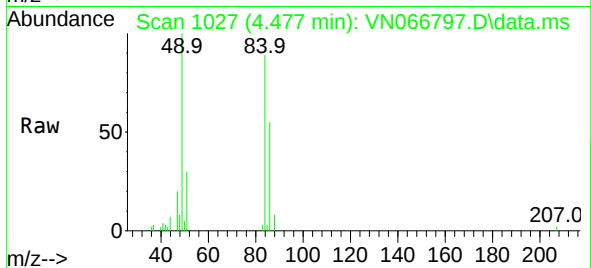
Tgt Ion: 43 Resp: 6082
Ion Ratio Lower Upper
43 100
74 16.9 19.5 29.3#



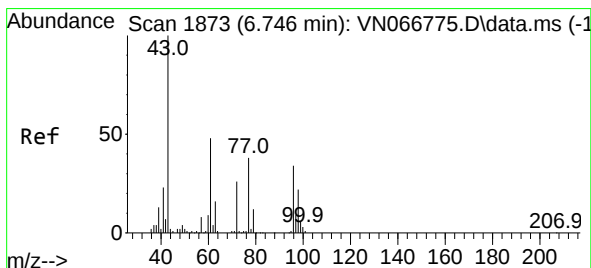
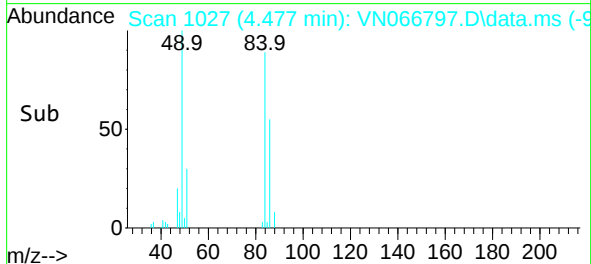
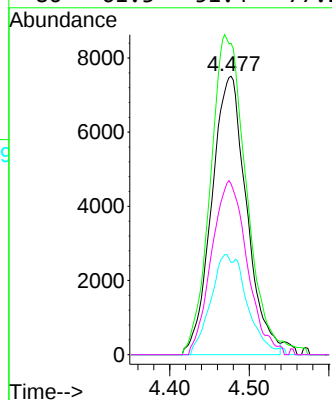


#20
Methylene Chloride
Concen: 5.37 ug/l
RT: 4.477 min Scan# 1027
Delta R.T. 0.008 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

Instrument :
MSVOA_N
ClientSampled :

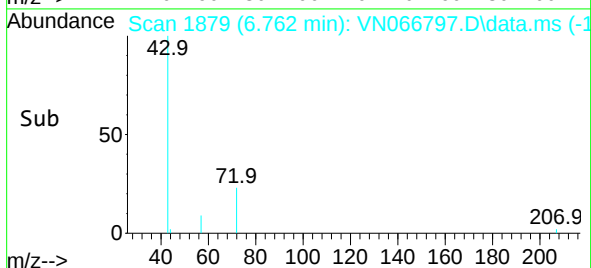
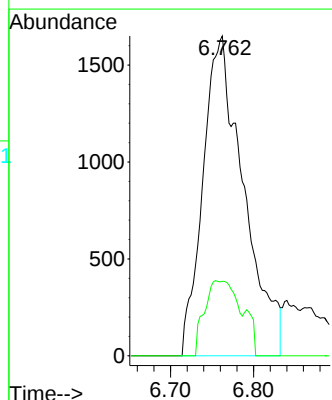
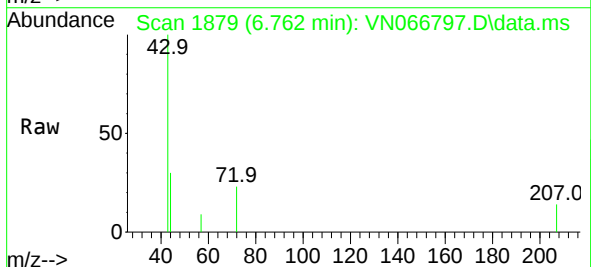


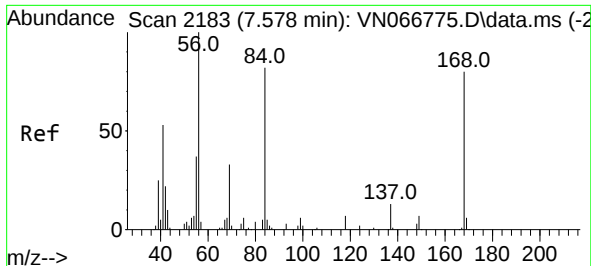
Tgt Ion:	84	Resp:	22845
Ion	Ratio	Lower	Upper
84	100		
49	111.8	94.6	141.8
51	33.1	29.9	44.9
86	61.3	51.4	77.2



#25
2-Butanone
Concen: 2.38 ug/l
RT: 6.762 min Scan# 1879
Delta R.T. 0.016 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

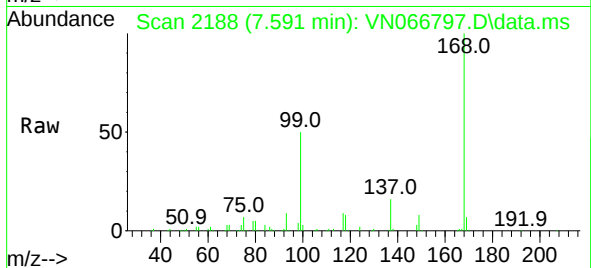
Tgt Ion:	43	Resp:	5614
Ion	Ratio	Lower	Upper
43	100		
72	23.3	23.1	34.7



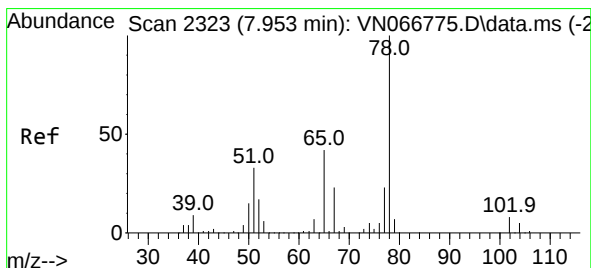
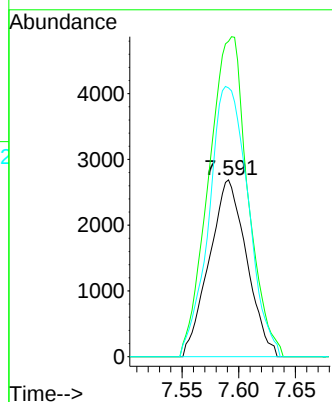
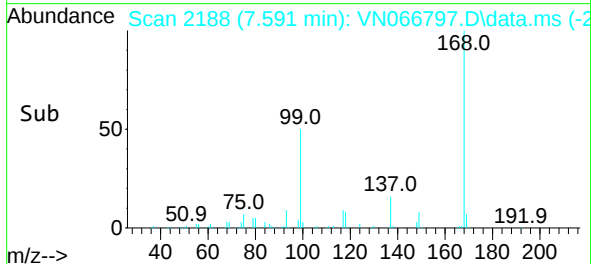


#31
Cyclohexane
Concen: 0.90 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

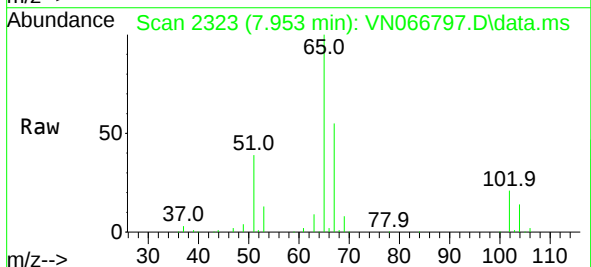
Instrument :
MSVOA_N
ClientSampled :



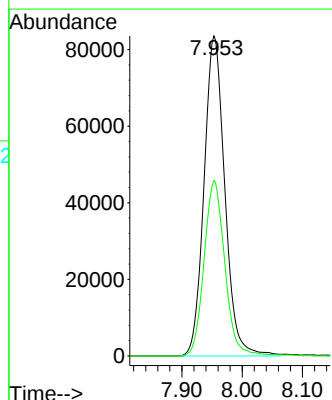
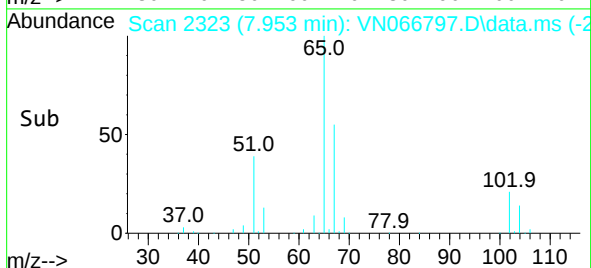
Tgt Ion: 56 Resp: 6176
Ion Ratio Lower Upper
56 100
69 178.4 26.6 39.8#
84 152.1 70.4 105.6#

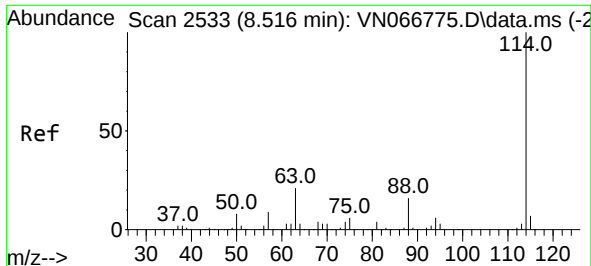


#33
1,2-Dichloroethane-d4
Concen: 45.03 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36



Tgt Ion: 65 Resp: 200398
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.2

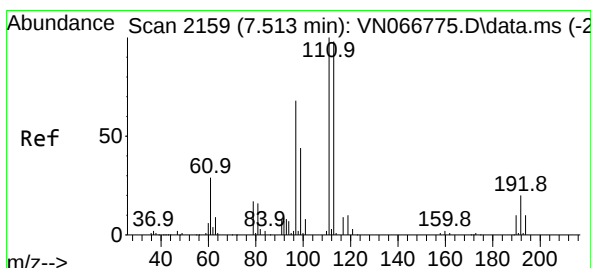
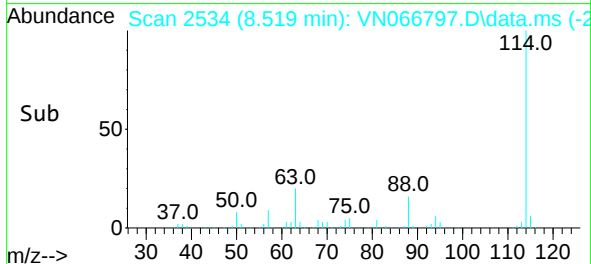
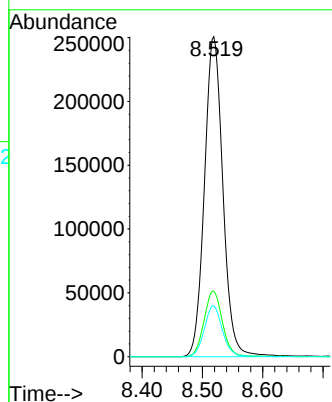
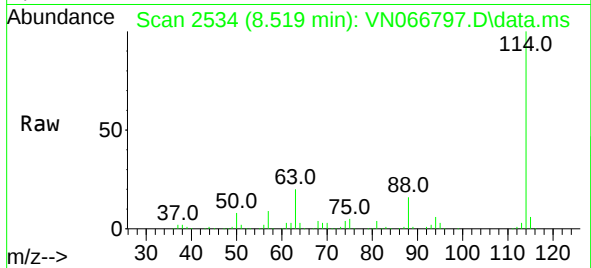




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

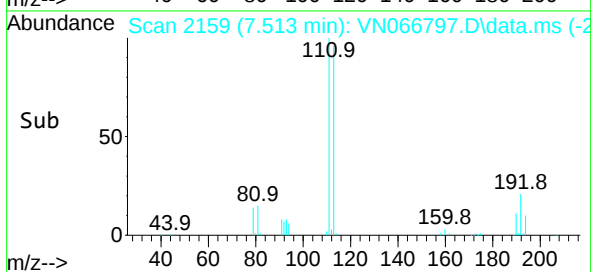
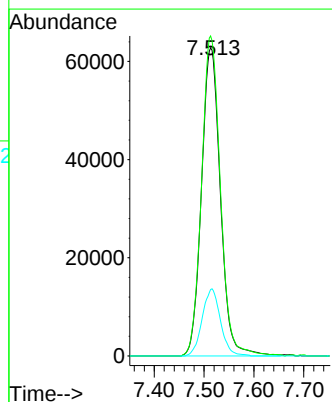
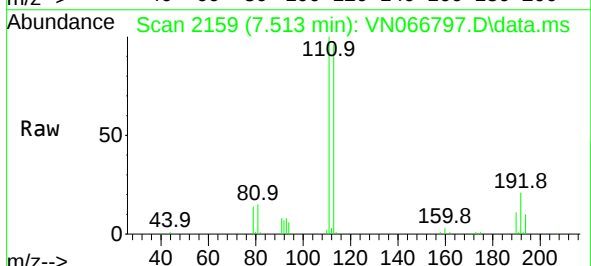
Instrument :
MSVOA_N
ClientSampled :

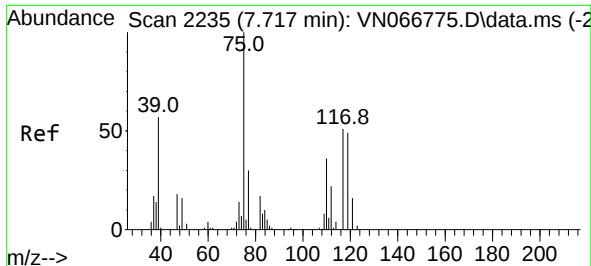
Tgt Ion:114 Resp: 533281
Ion Ratio Lower Upper
114 100
63 20.4 0.0 38.6
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.38 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

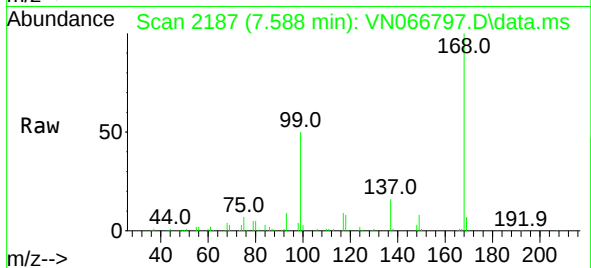
Tgt Ion:113 Resp: 165842
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 21.1 15.4 23.0



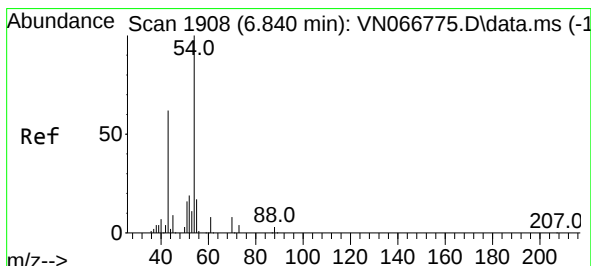
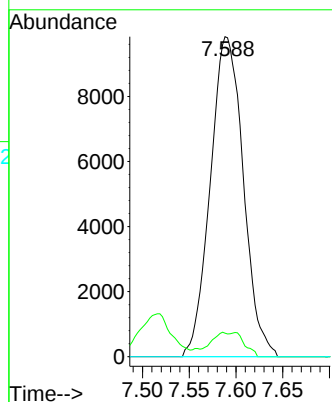
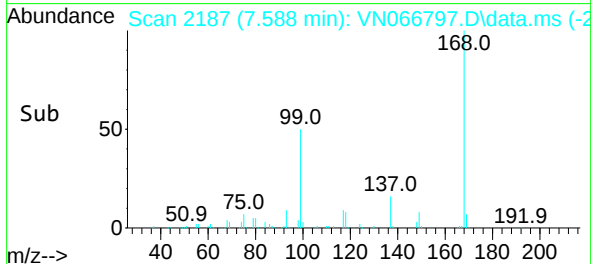


#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

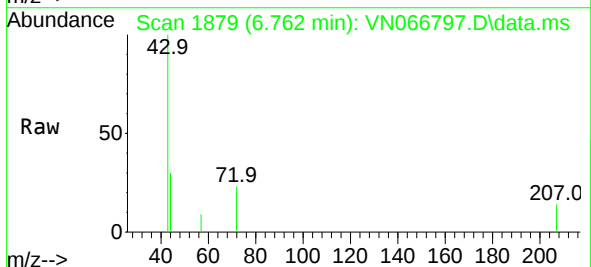
Instrument :
MSVOA_N
ClientSampled :



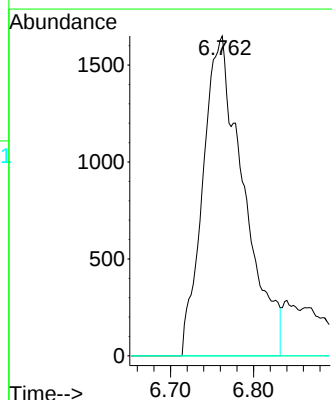
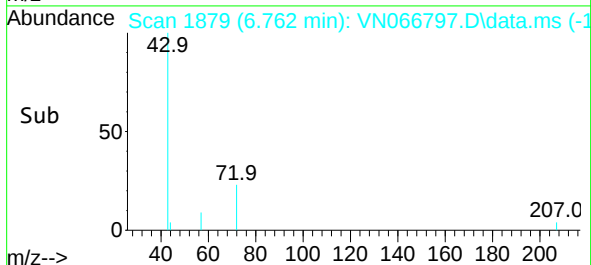
Tgt Ion: 75 Resp: 24146
Ion Ratio Lower Upper
75 100
110 2.2 18.2 54.6#
77 0.0 24.9 37.3#

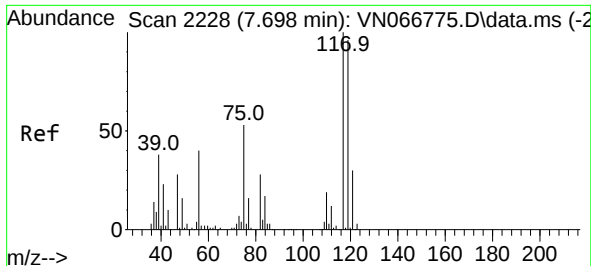


#37
Ethyl Acetate
Concen: 1.07 ug/l
RT: 6.762 min Scan# 1879
Delta R.T. -0.078 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36



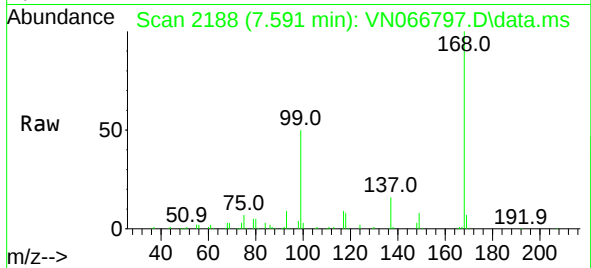
Tgt Ion: 43 Resp: 5614
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



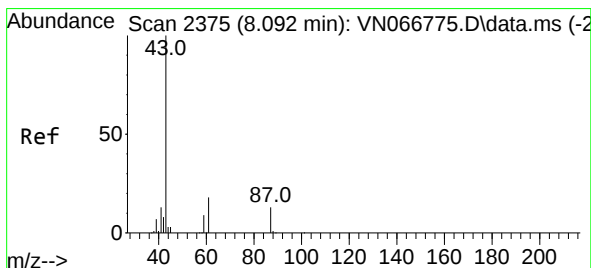
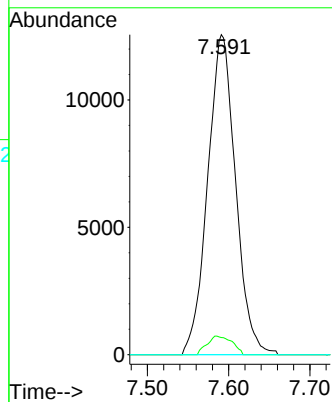
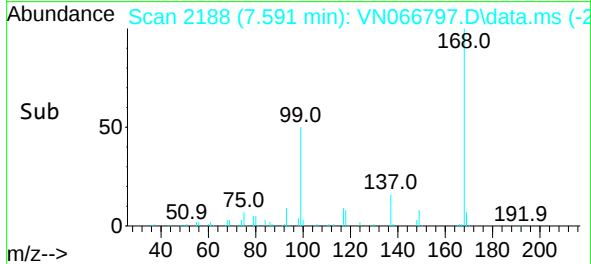


#38
Carbon Tetrachloride
Concen: 6.31 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

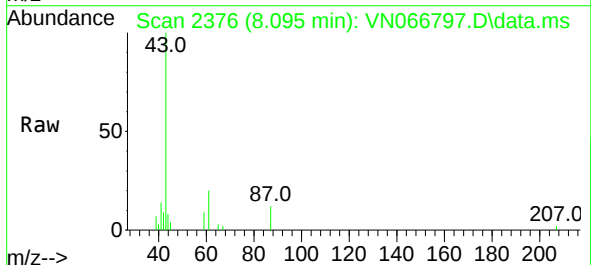
Instrument :
MSVOA_N
ClientSampled :



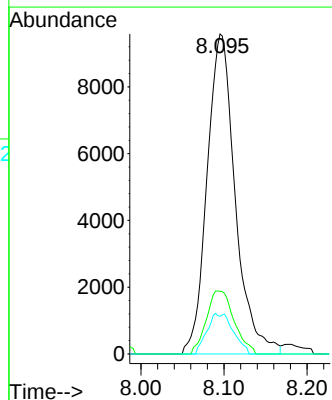
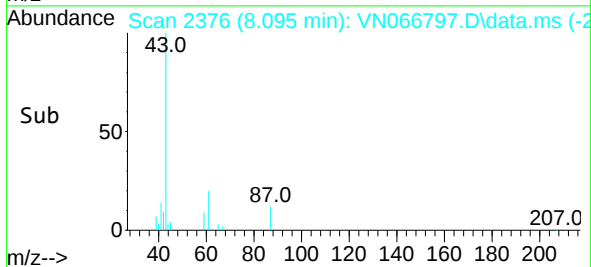
Tgt Ion:117 Resp: 30003
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 24.5 36.7#

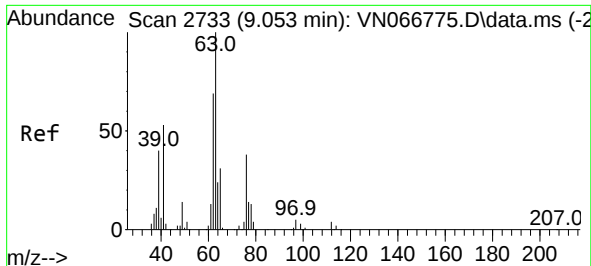


#43
Isopropyl Acetate
Concen: 2.70 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36



Tgt Ion: 43 Resp: 22559
Ion Ratio Lower Upper
43 100
61 19.4 22.5 33.7#
87 6.1 11.1 16.7#





#45

1,2-Dichloropropane

Concen: 0.23 ug/l

RT: 9.200 min Scan# 2788

Delta R.T. 0.147 min

Lab File: VN066797.D

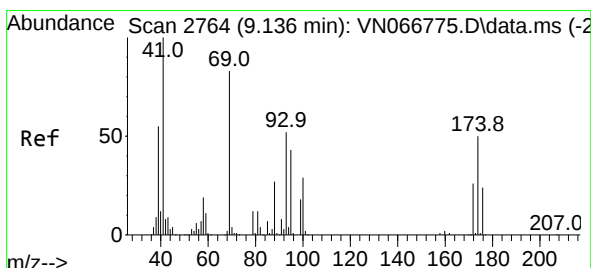
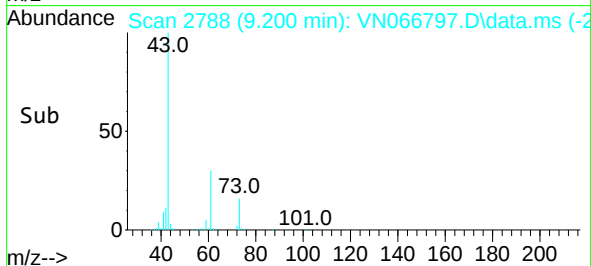
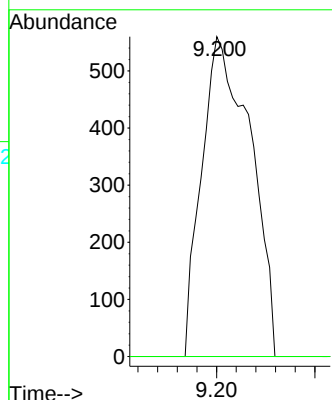
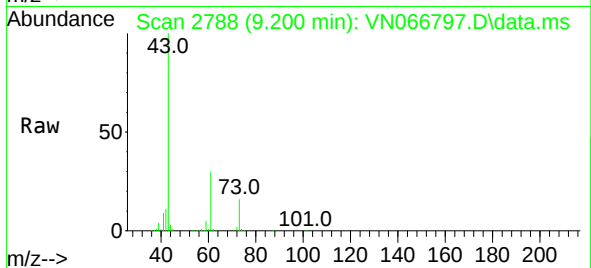
Acq: 27 Apr 2021 21:36

Tgt Ion: 63 Resp: 961

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.43 ug/l

RT: 9.117 min Scan# 2757

Delta R.T. -0.019 min

Lab File: VN066797.D

Acq: 27 Apr 2021 21:36

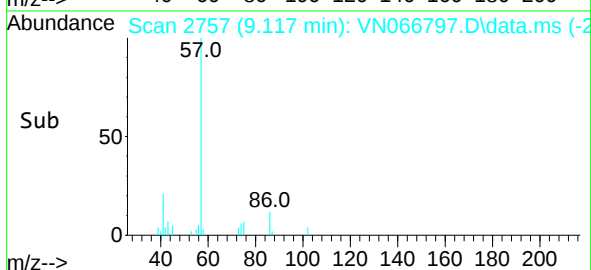
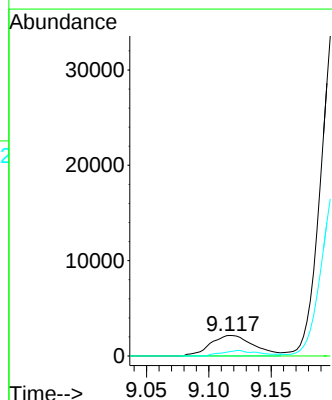
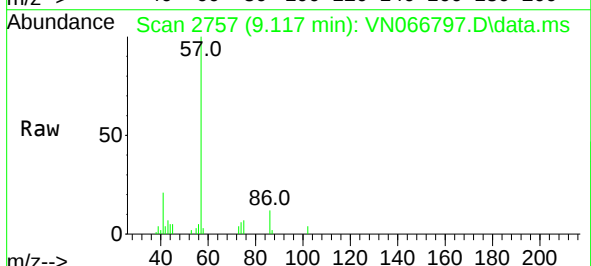
Tgt Ion: 41 Resp: 5217

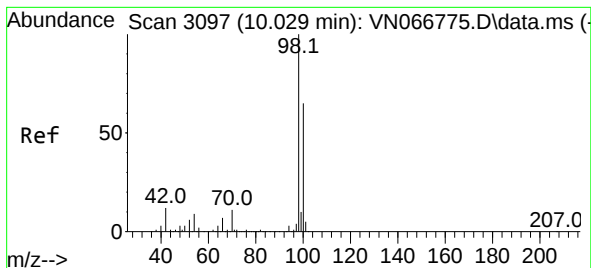
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

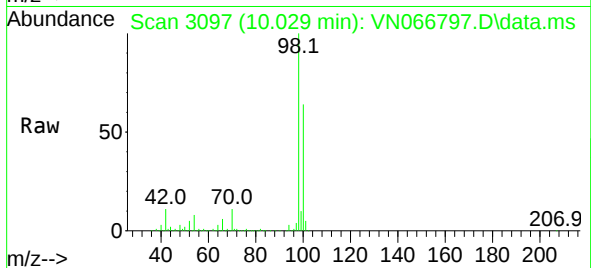
39 23.6 46.6 69.8#



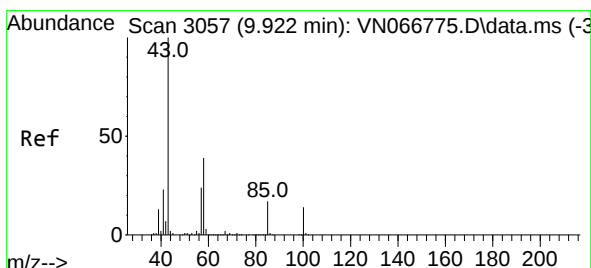
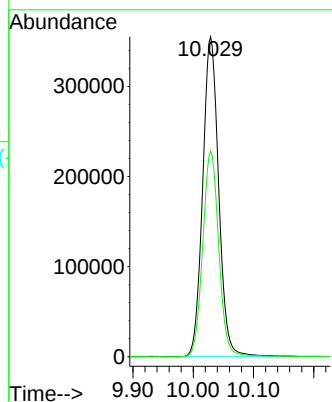
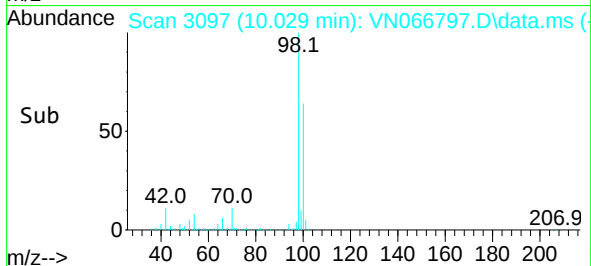


#50
Toluene-d8
Concen: 50.63 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

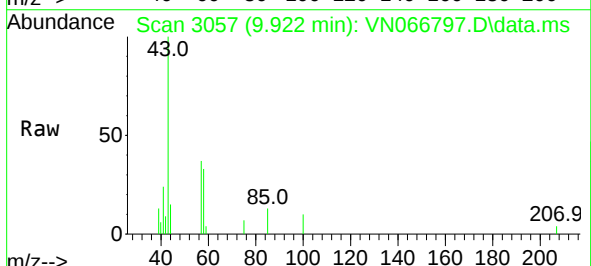
Instrument :
MSVOA_N
ClientSampled :



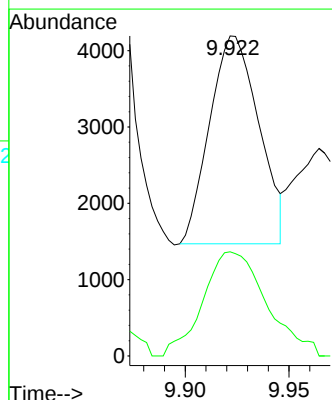
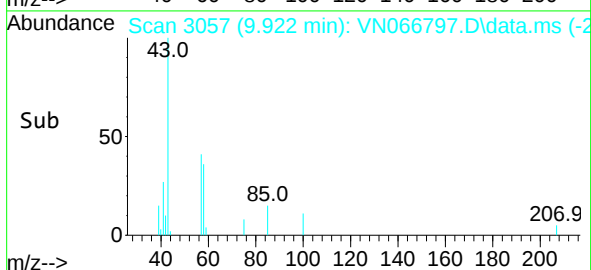
Tgt Ion: 98 Resp: 654199
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7

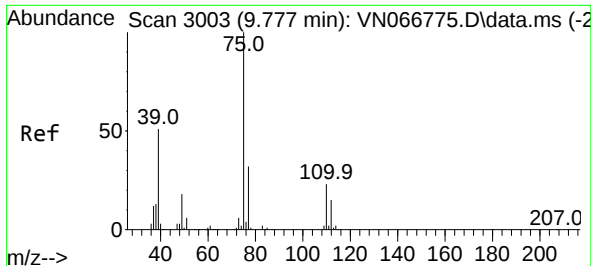


#51
4-Methyl-2-Pentanone
Concen: 0.99 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36



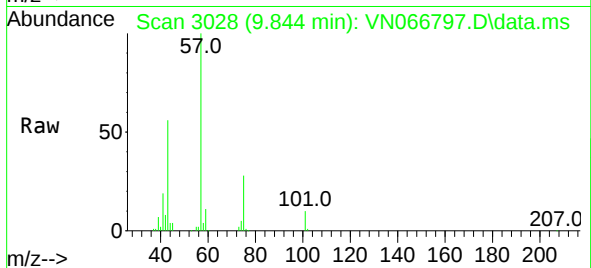
Tgt Ion: 43 Resp: 4498
Ion Ratio Lower Upper
43 100
58 64.5 32.5 48.7#



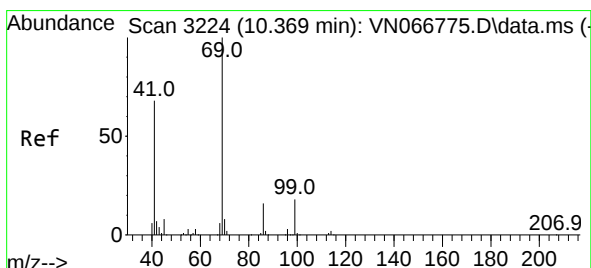
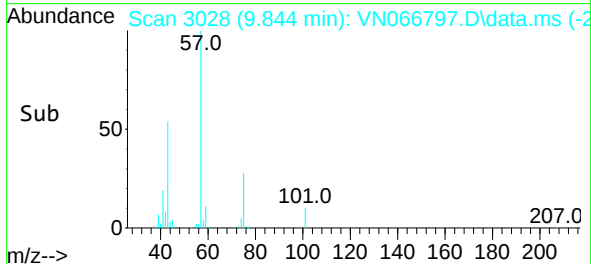
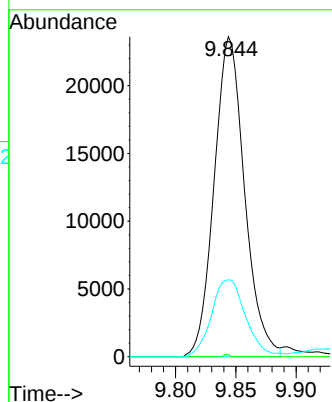


#54
cis-1,3-Dichloropropene
Concen: 6.57 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

Instrument :
MSVOA_N
ClientSampleId :

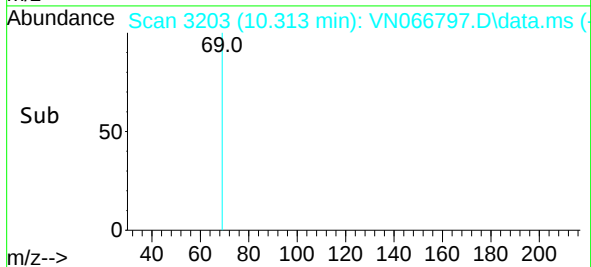
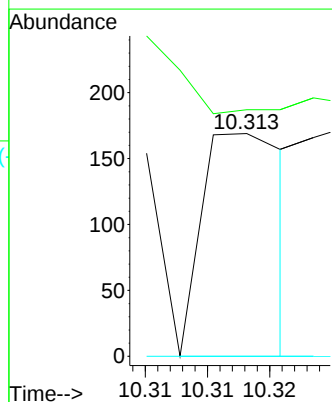
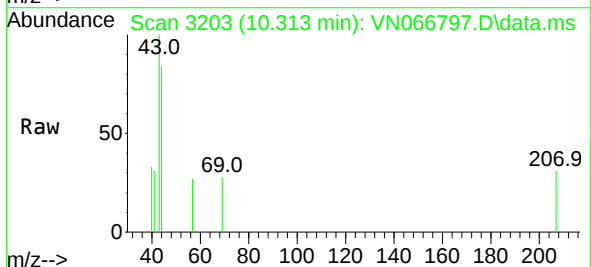


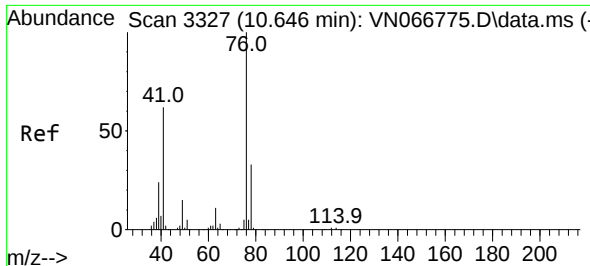
Tgt Ion: 75 Resp: 41377
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 24.1 36.2 54.4#



#56
Ethyl methacrylate
Concen: 3.18 ug/l
RT: 10.313 min Scan# 3203
Delta R.T. -0.056 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

Tgt Ion: 69 Resp: 80
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

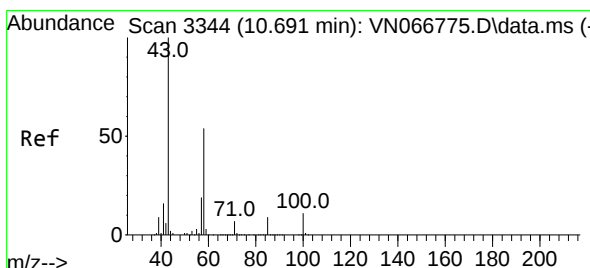
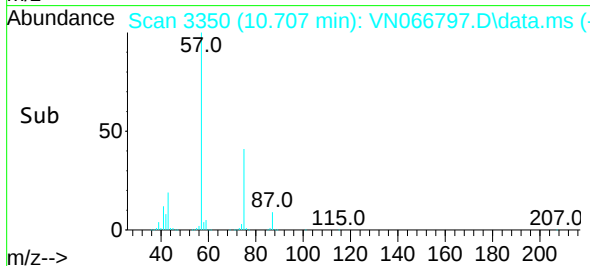
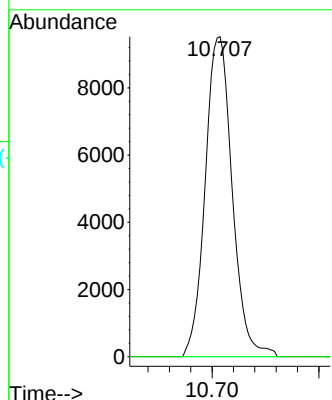
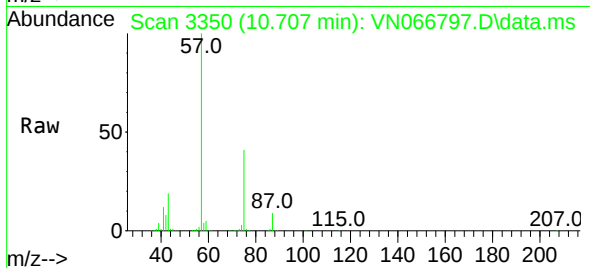




#57
1,3-Dichloropropane
Concen: 2.75 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

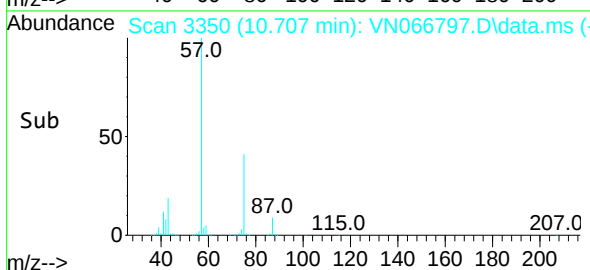
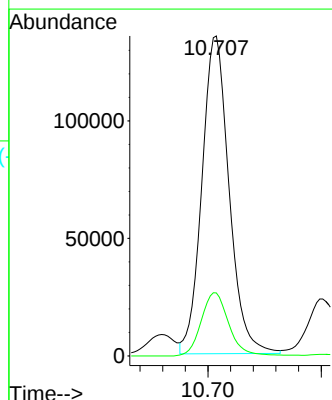
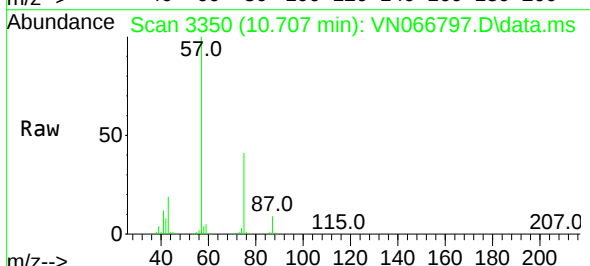
Instrument :
MSVOA_N
ClientSampled :

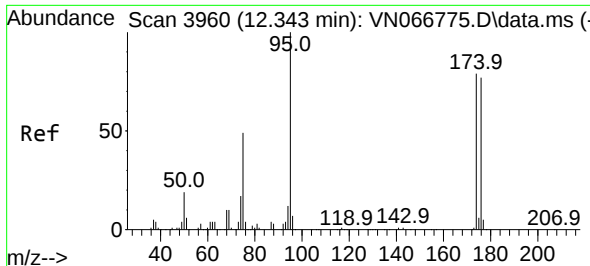
Tgt Ion: 76 Resp: 16720
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 77.62 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

Tgt Ion: 43 Resp: 225317
Ion Ratio Lower Upper
43 100
58 20.4 28.1 84.3#

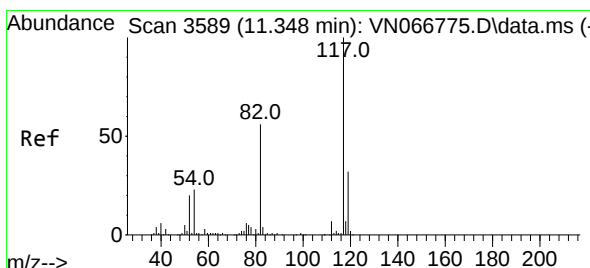
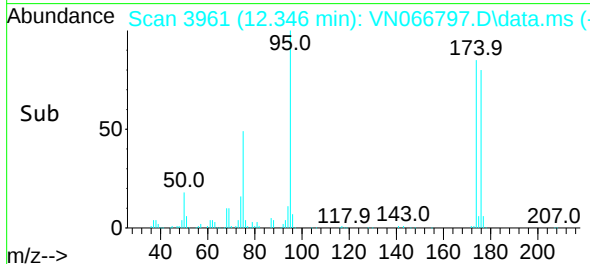
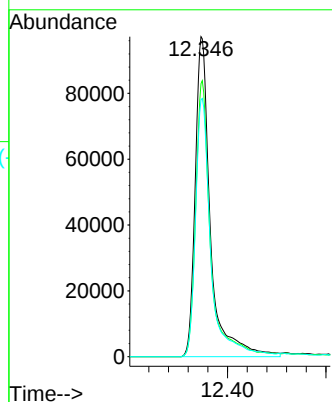
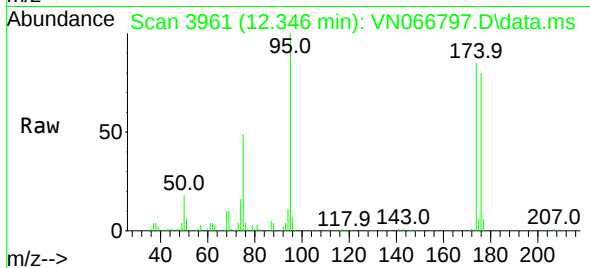




#62
4-Bromofluorobenzene
Concen: 47.93 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.003 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

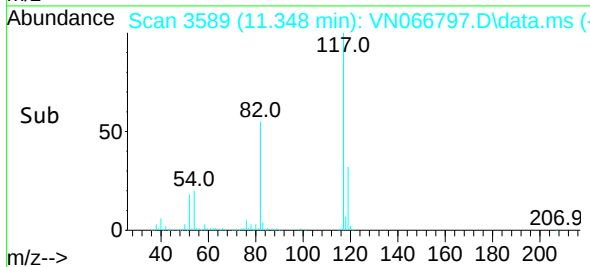
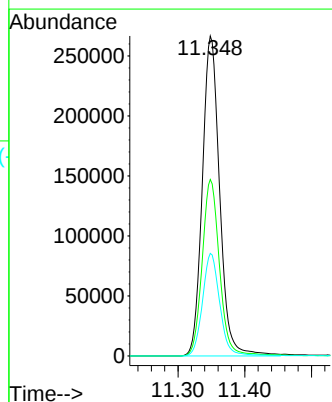
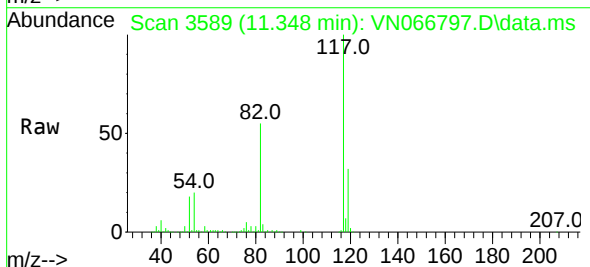
Instrument :
MSVOA_N
ClientSampled :

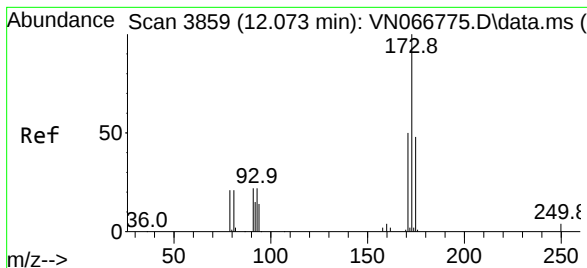
Tgt Ion: 95 Resp: 209553
Ion Ratio Lower Upper
95 100
174 83.0 0.0 169.0
176 80.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

Tgt Ion: 117 Resp: 482524
Ion Ratio Lower Upper
117 100
82 55.2 43.7 65.5
119 32.0 26.1 39.1

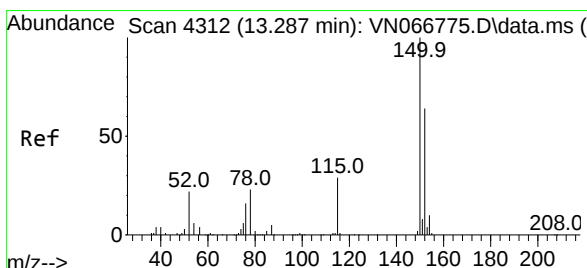
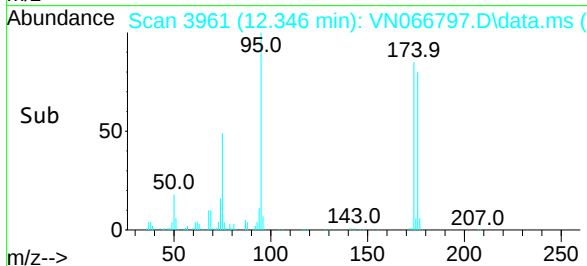
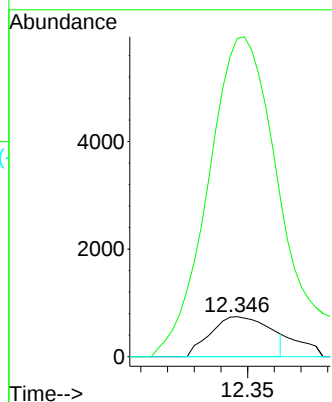
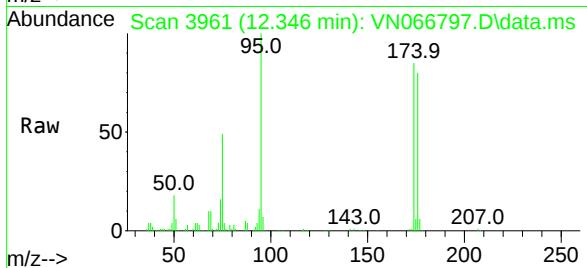




#71
Bromoform
Concen: 0.43 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

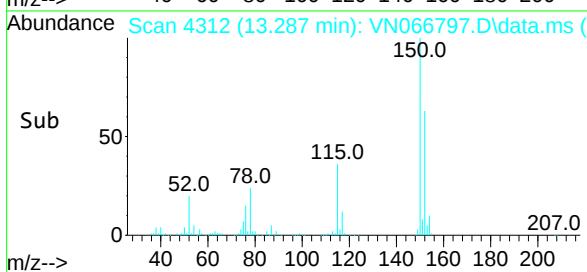
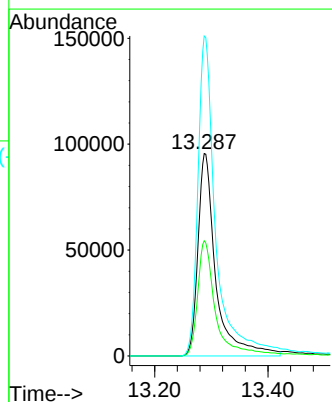
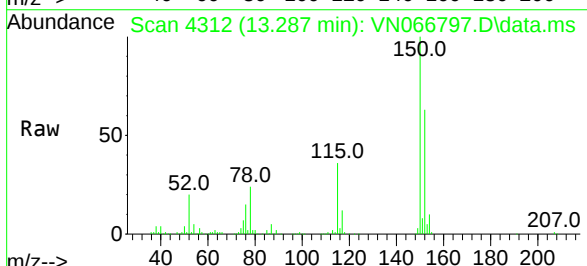
Instrument :
MSVOA_N
ClientSampleId :

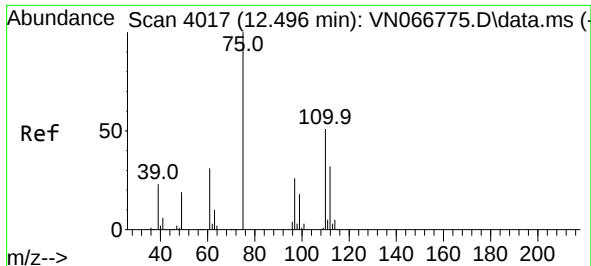
Tgt Ion:173 Resp: 1140
Ion Ratio Lower Upper
173 100
175 840.7 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.287 min Scan# 4312
Delta R.T. 0.000 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

Tgt Ion:152 Resp: 210393
Ion Ratio Lower Upper
152 100
115 57.1 28.5 85.6
150 160.2 0.0 347.6

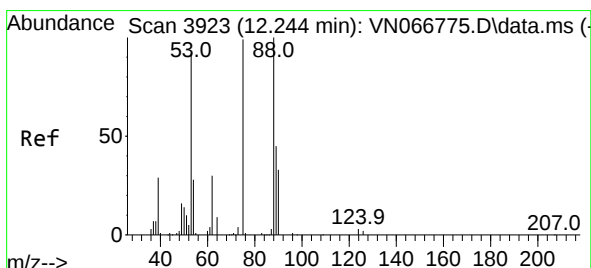
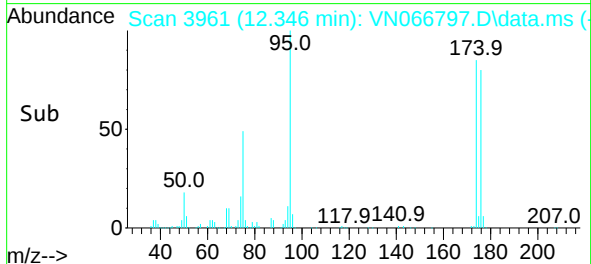
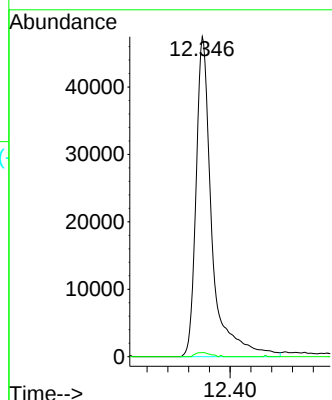
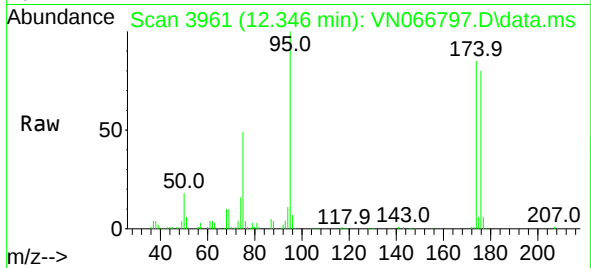




#76
1,2,3-Trichloropropane
Concen: 22.72 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 100755
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.56 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066797.D
Acq: 27 Apr 2021 21:36

Tgt Ion: 75 Resp: 100755
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.1 35.8 53.8#

