

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041921\
 Data File : VN066668.D
 Acq On : 19 Apr 2021 17:27
 Operator : JC/MD
 Sample : M2070-04RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 04:58:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

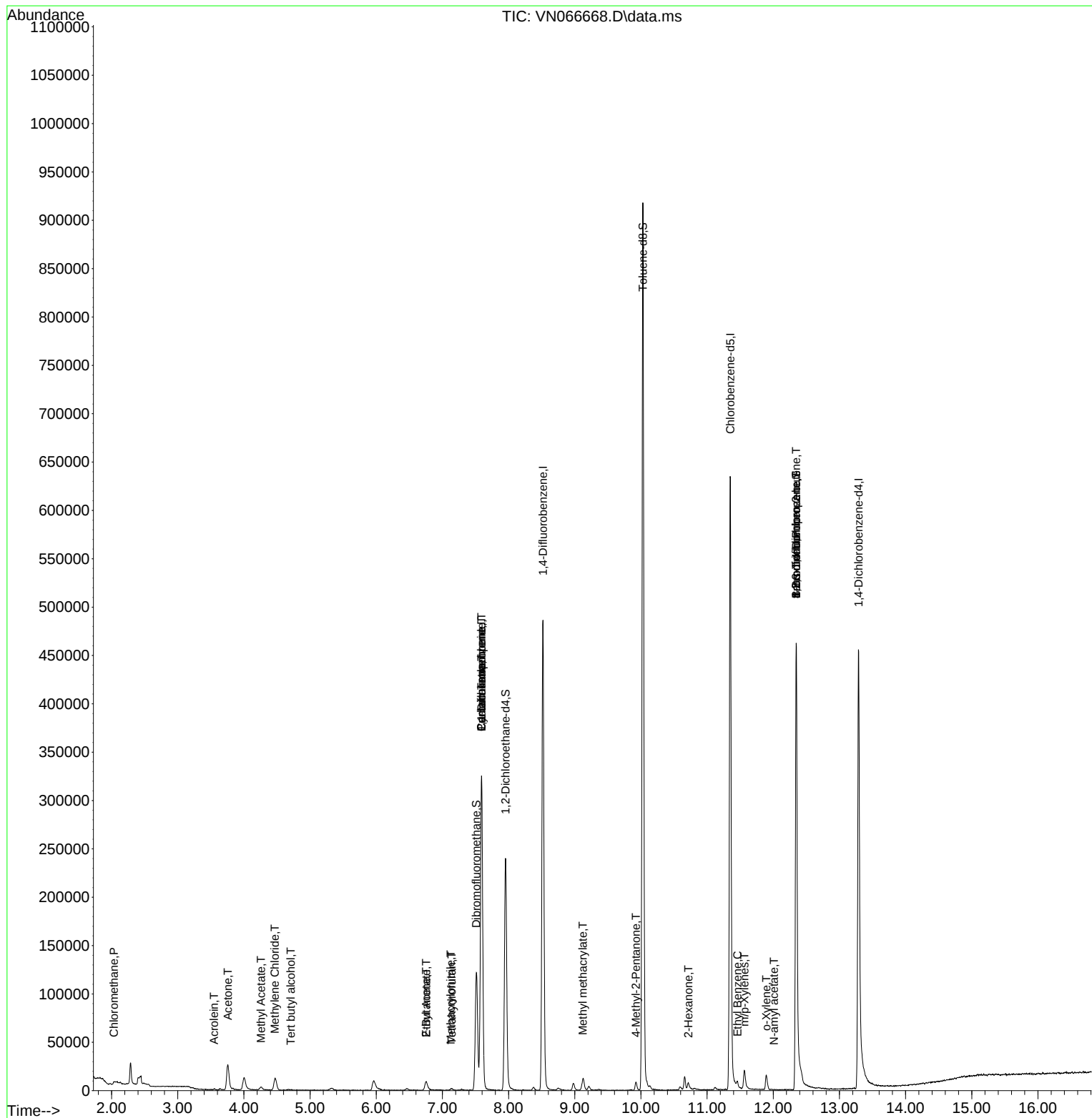
Internal Standards						
1) Pentafluorobenzene	7.591	168	279380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	443201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	391502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	163781	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	208875	49.56	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.12%		
35) Dibromofluoromethane	7.513	113	96626	31.44	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	62.88%#		
50) Toluene-d8	10.029	98	634666	52.69	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.38%		
62) 4-Bromofluorobenzene	12.346	95	193089	45.59	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.18%		
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1248	0.25	ug/l	100
11) Tert butyl alcohol	4.708	59	367	0.54	ug/l #	73
13) Acrolein	3.549	56	618	1.71	ug/l #	68
16) Acetone	3.758	43	45285	22.32	ug/l	98
18) Methyl Acetate	4.260	43	7037	1.55	ug/l #	86
20) Methylene Chloride	4.469	84	9277	2.33	ug/l	94
25) 2-Butanone	6.754	43	16865	6.79	ug/l #	89
29) Tetrahydrofuran	7.140	42	1443	0.86	ug/l #	45
31) Cyclohexane	7.591	56	5594	0.92	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	21196	4.74	ug/l #	48
37) Ethyl Acetate	6.754	43	16865	3.33	ug/l #	68
38) Carbon Tetrachloride	7.591	117	24859	5.94	ug/l #	17
41) Methacrylonitrile	7.124	41	692	0.30	ug/l #	100
48) Methyl methacrylate	9.120	41	5842	1.54	ug/l #	21
51) 4-Methyl-2-Pentanone	9.924	43	7235	1.45	ug/l	88
59) 2-Hexanone	10.715	43	2119	5.46	ug/l #	49
67) Ethyl Benzene	11.458	91	4516	0.30	ug/l	97
68) m/p-Xylenes	11.566	106	7591	1.40	ug/l	94
69) o-Xylene	11.896	106	5458	1.03	ug/l	99
71) Bromoform	12.346	173	1052	0.45	ug/l #	1
74) N-amyl acetate	12.011	43	40	9.73	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	91976	24.01	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	91976	74.24	ug/l #	12

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration

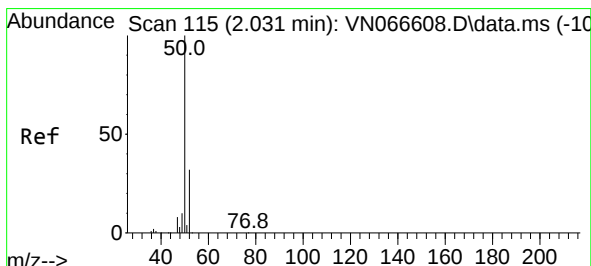
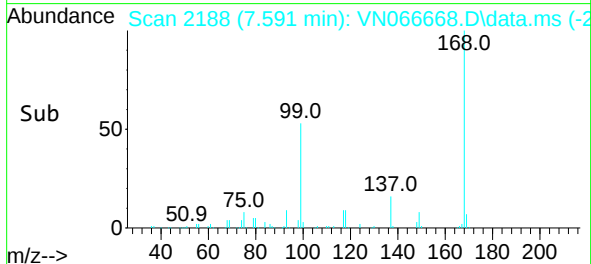
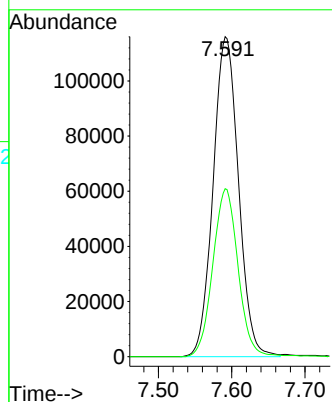
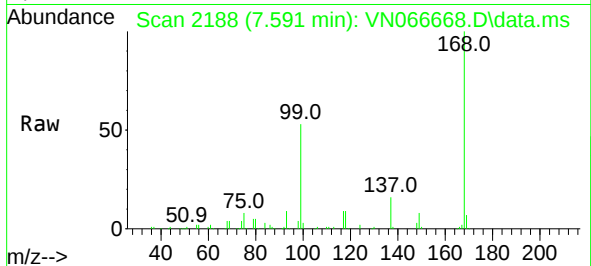




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

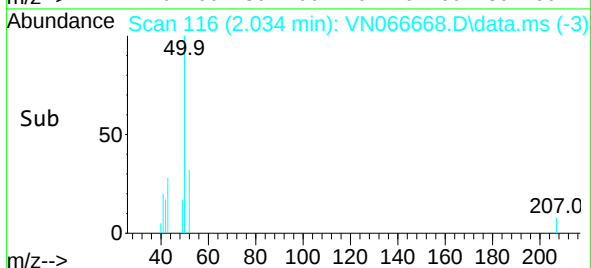
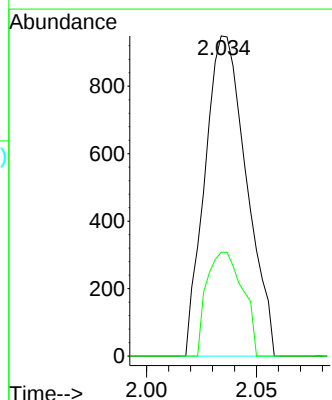
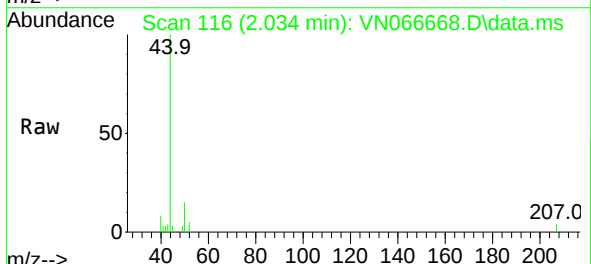
Instrument :
MSVOA_N
ClientSampled :

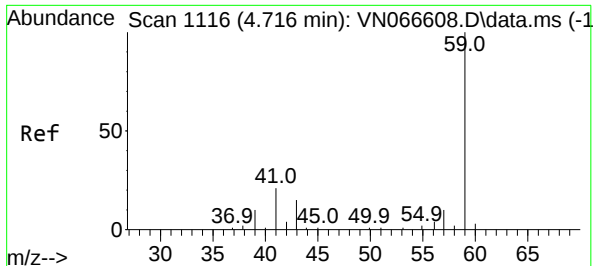
Tgt Ion:168 Resp: 279380
Ion Ratio Lower Upper
168 100
99 52.5 42.6 63.8



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.003 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Tgt Ion: 50 Resp: 1248
Ion Ratio Lower Upper
50 100
52 32.5 25.8 38.8

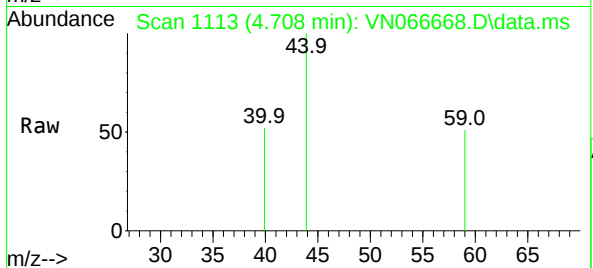




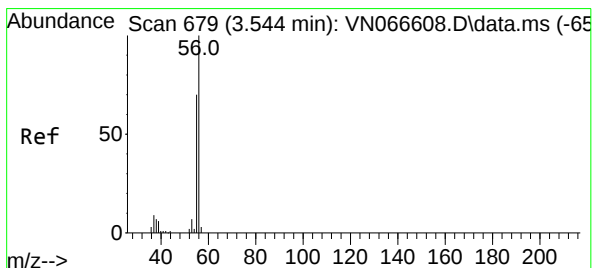
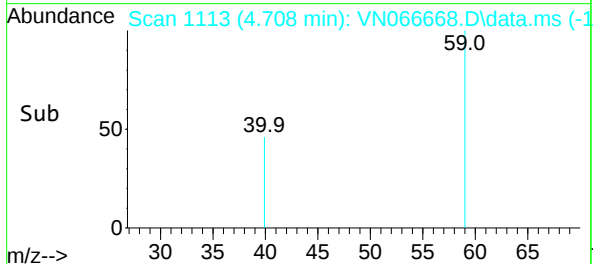
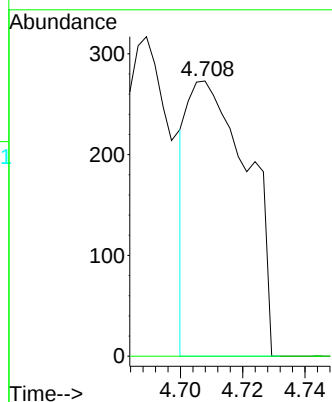
#11

Tert butyl alcohol
Concen: 0.54 ug/l
RT: 4.708 min Scan# 1113
Delta R.T. -0.008 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Instrument :
MSVOA_N
ClientSampled :



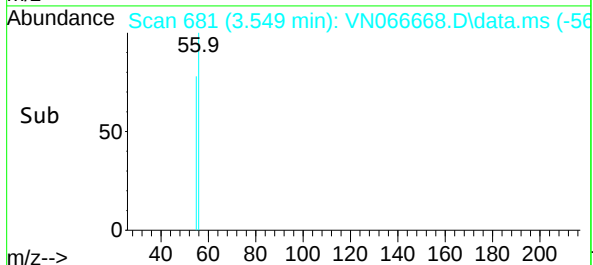
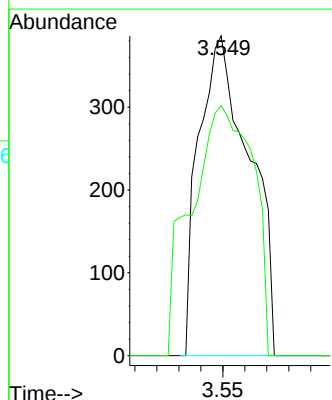
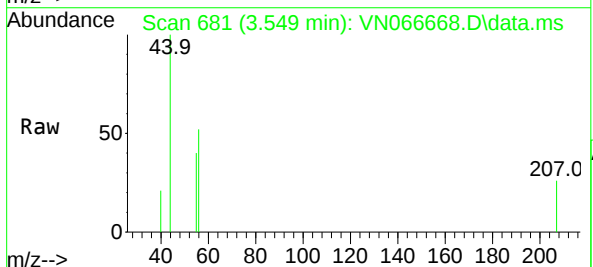
Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

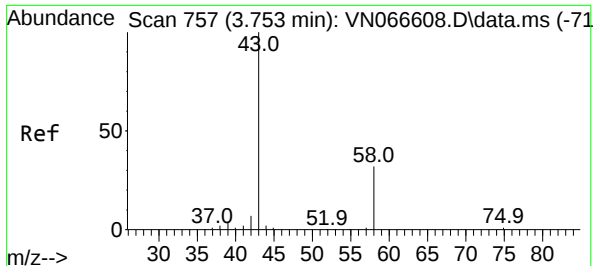


#13

Acrolein
Concen: 1.71 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.005 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Tgt Ion: 56 Resp: 618
Ion Ratio Lower Upper
56 100
55 96.0 56.0 84.0#

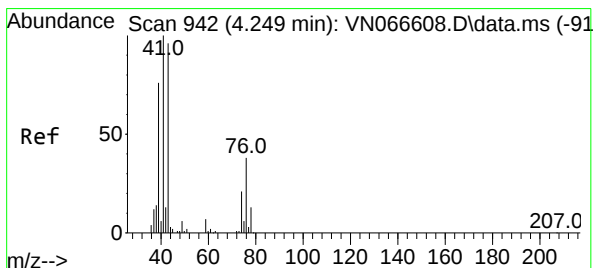
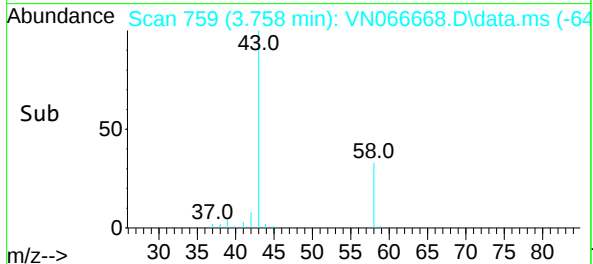
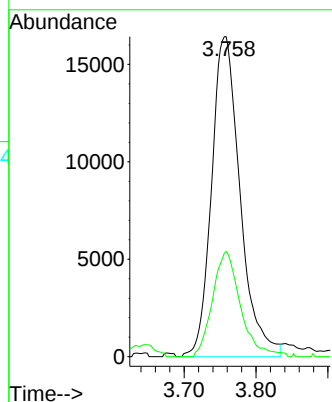
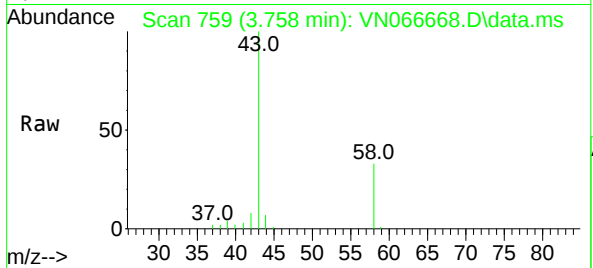




#16
Acetone
Concen: 22.32 ug/l
RT: 3.758 min Scan# 759
Delta R.T. 0.005 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

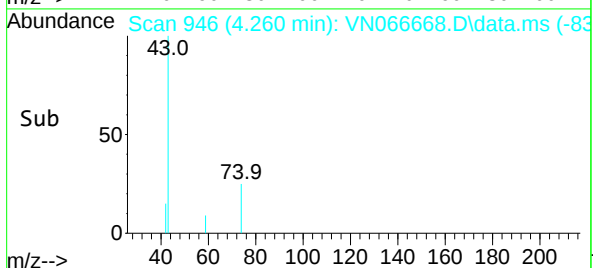
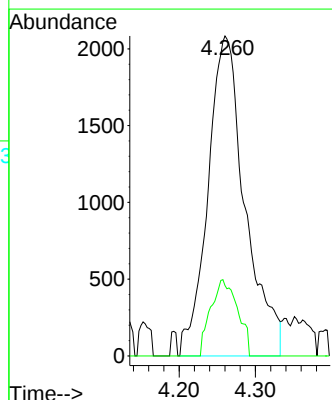
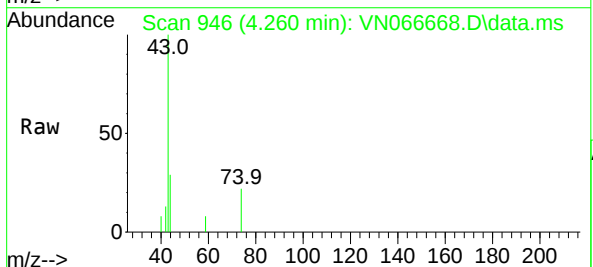
Instrument :
MSVOA_N
ClientSampled :

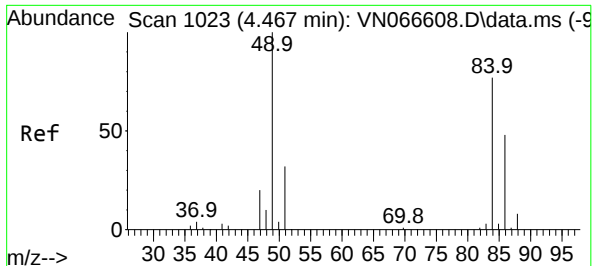
Tgt Ion: 43 Resp: 45285
Ion Ratio Lower Upper
43 100
58 32.9 27.0 40.6



#18
Methyl Acetate
Concen: 1.55 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.011 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

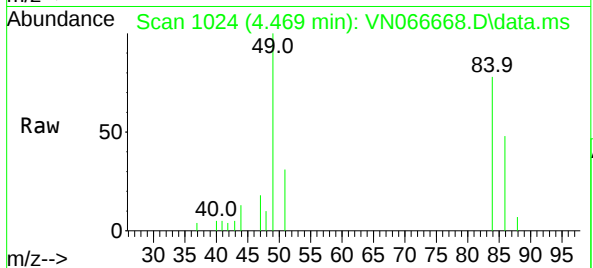
Tgt Ion: 43 Resp: 7037
Ion Ratio Lower Upper
43 100
74 17.3 19.5 29.3#



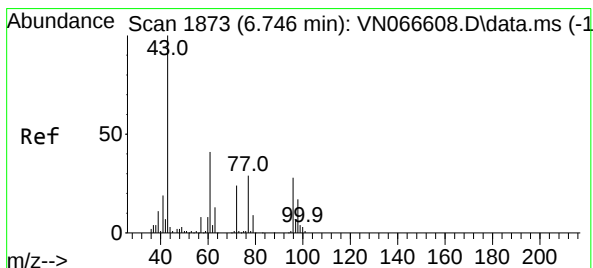
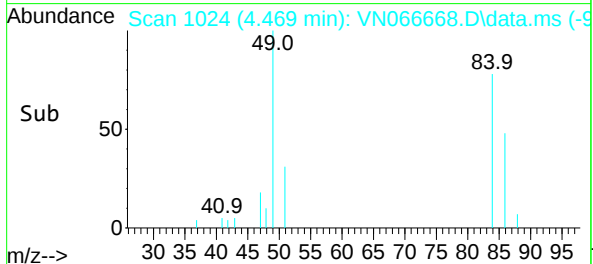
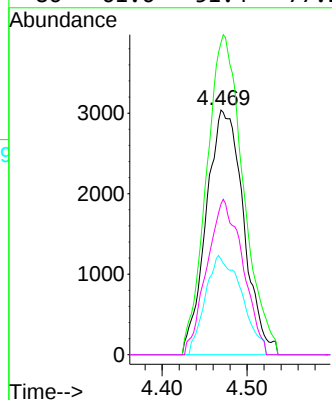


#20
Methylene Chloride
Concen: 2.33 ug/l
RT: 4.469 min Scan# 1024
Delta R.T. 0.002 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Instrument :
MSVOA_N
ClientSampled :

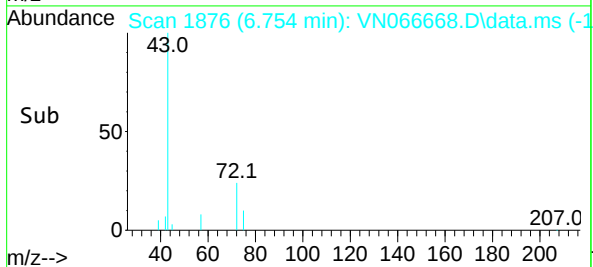
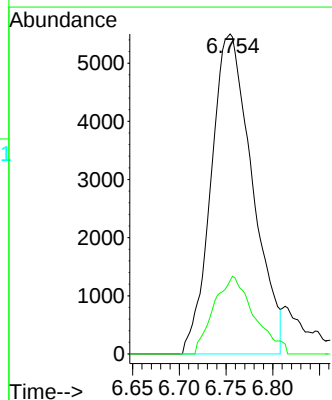
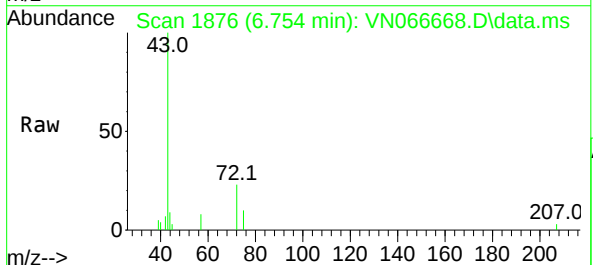


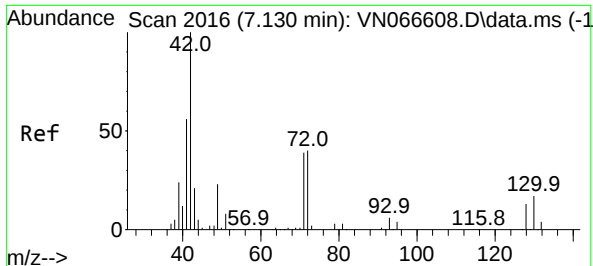
Tgt Ion:	84	Resp:	9277
Ion	Ratio	Lower	Upper
84	100		
49	127.5	94.6	141.8
51	39.1	29.9	44.9
86	61.6	51.4	77.2



#25
2-Butanone
Concen: 6.79 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. 0.008 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Tgt Ion:	43	Resp:	16865
Ion	Ratio	Lower	Upper
43	100		
72	23.0	23.1	34.7#





#29

Tetrahydrofuran

Concen: 0.86 ug/l

RT: 7.140 min Scan# 2020

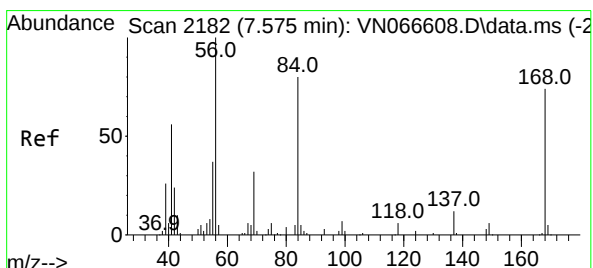
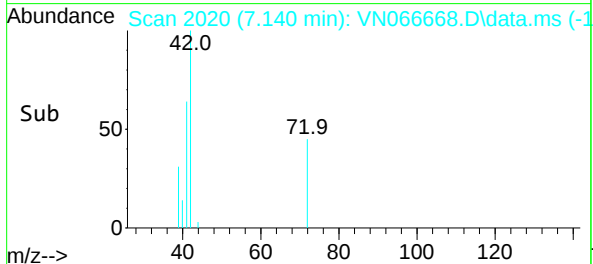
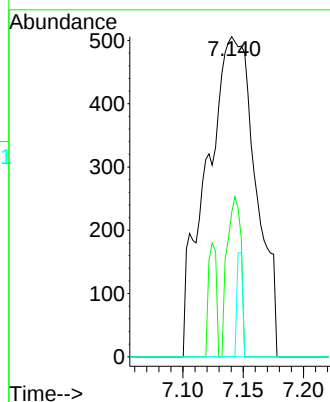
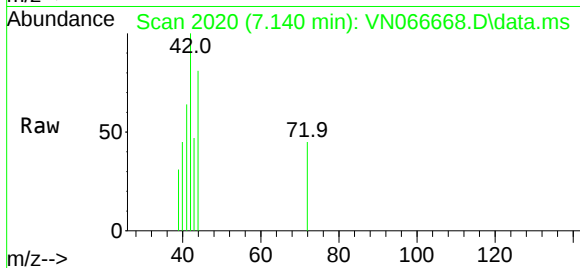
Delta R.T. 0.010 min

Lab File: VN066668.D

Acq: 19 Apr 2021 17:27

Tgt Ion:	42	Resp:	1443
Ion	Ratio	Lower	Upper
42	100		
72	13.9	36.6	55.0#
71	3.7	34.3	51.5#

Instrument :
MSVOA_N
ClientSampleId :



#31

Cyclohexane

Concen: 0.92 ug/l

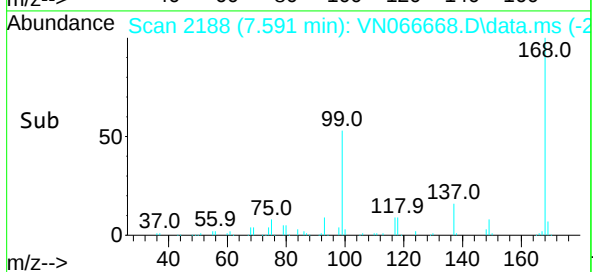
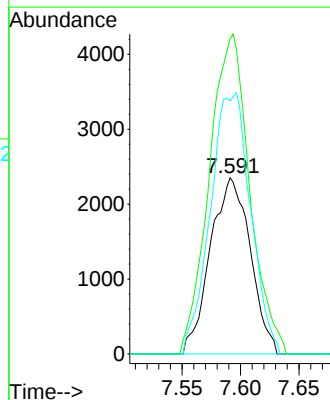
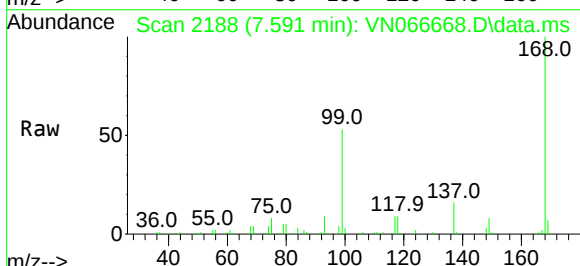
RT: 7.591 min Scan# 2188

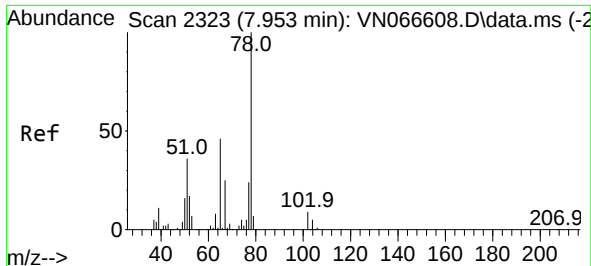
Delta R.T. 0.016 min

Lab File: VN066668.D

Acq: 19 Apr 2021 17:27

Tgt Ion:	56	Resp:	5594
Ion	Ratio	Lower	Upper
56	100		
69	178.8	26.6	39.8#
84	143.7	70.4	105.6#

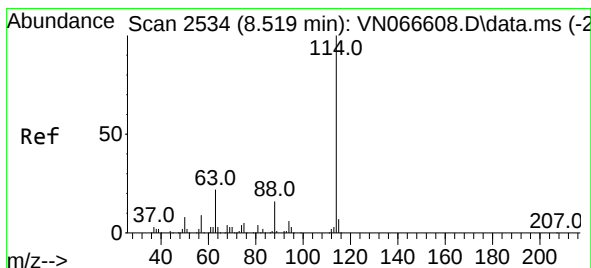
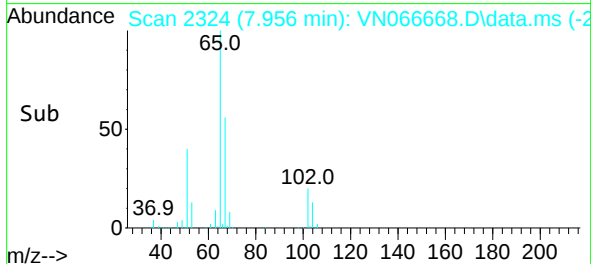
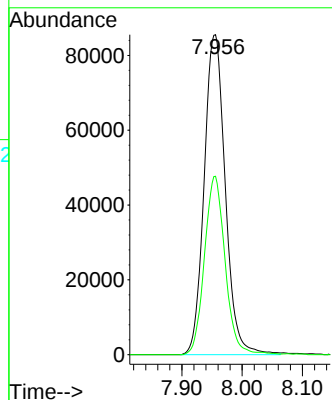
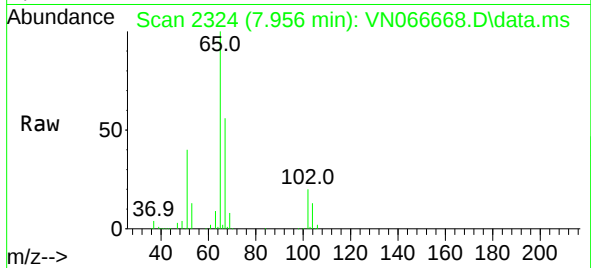




#33
1,2-Dichloroethane-d4
Concen: 49.56 ug/l
RT: 7.956 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

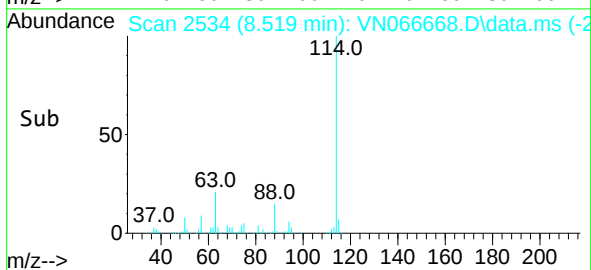
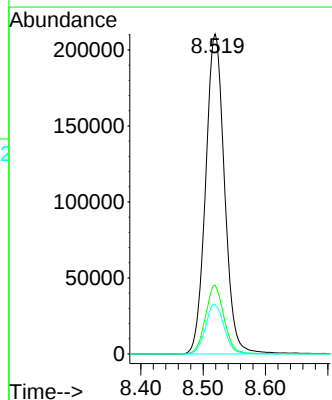
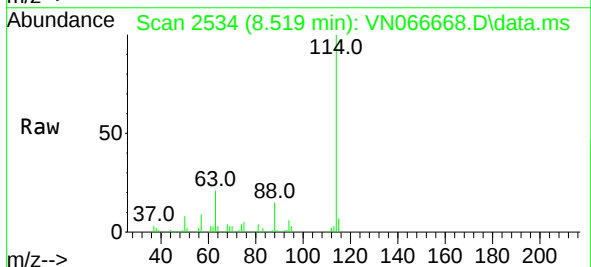
Instrument :
MSVOA_N
ClientSampled :

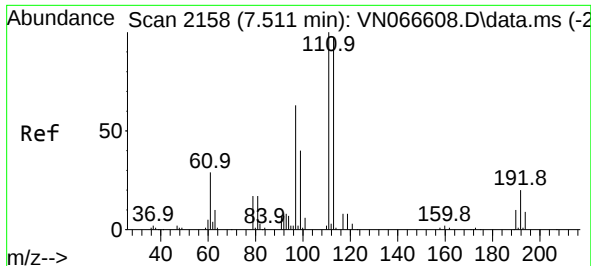
Tgt Ion: 65 Resp: 208875
Ion Ratio Lower Upper
65 100
67 54.4 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Tgt Ion: 114 Resp: 443201
Ion Ratio Lower Upper
114 100
63 21.5 0.0 38.6
88 15.4 0.0 30.6

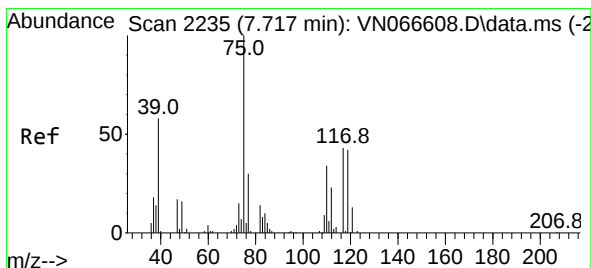
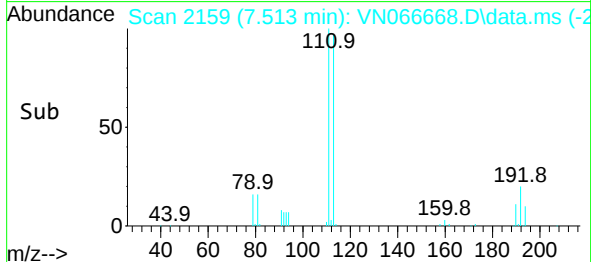
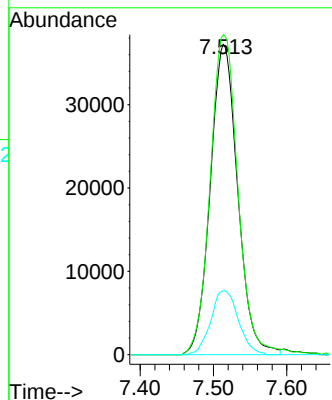
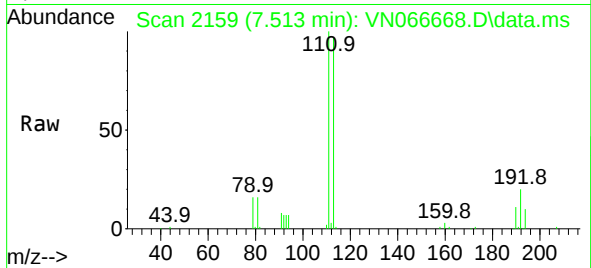




#35
Dibromofluoromethane
Concen: 31.44 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.002 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

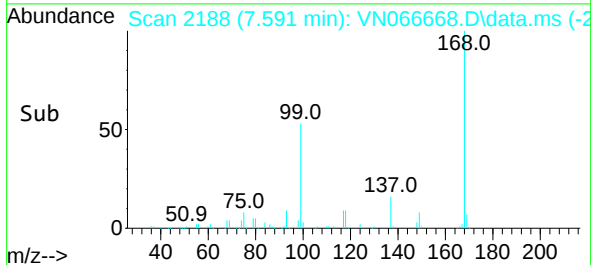
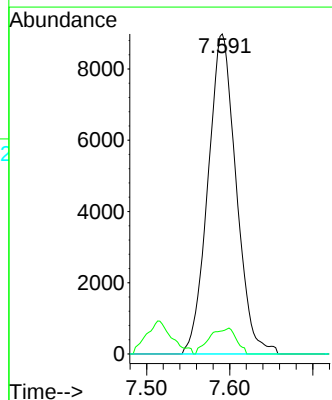
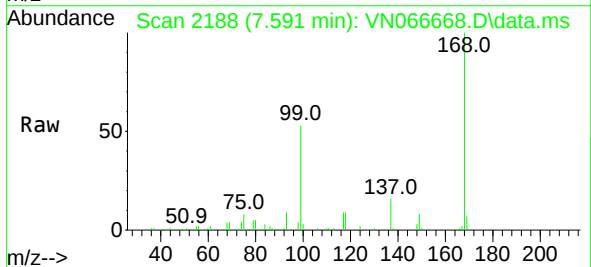
Instrument :
MSVOA_N
ClientSampled :

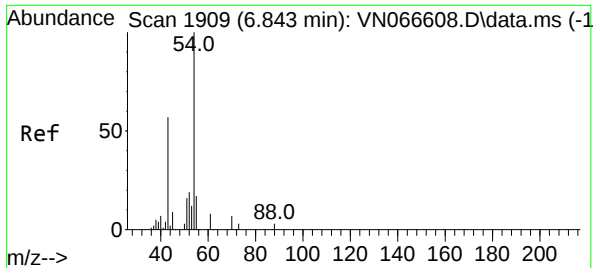
Tgt Ion:113 Resp: 96626
Ion Ratio Lower Upper
113 100
111 104.6 82.2 123.2
192 20.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Tgt Ion: 75 Resp: 21196
Ion Ratio Lower Upper
75 100
110 7.6 18.2 54.6#
77 0.0 24.9 37.3#

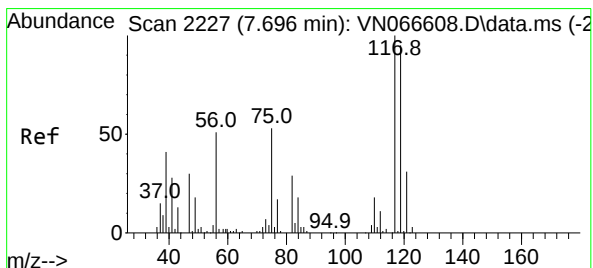
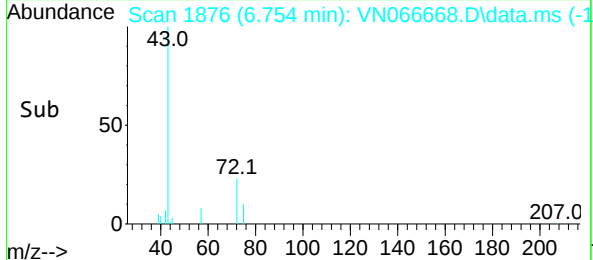
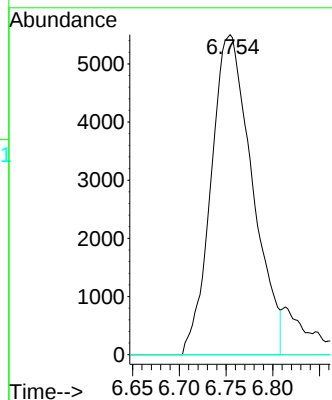
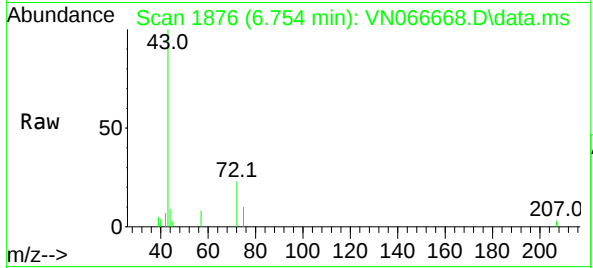




#37
Ethyl Acetate
Concen: 3.33 ug/l
RT: 6.754 min Scan# 1876
Delta R.T. -0.089 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

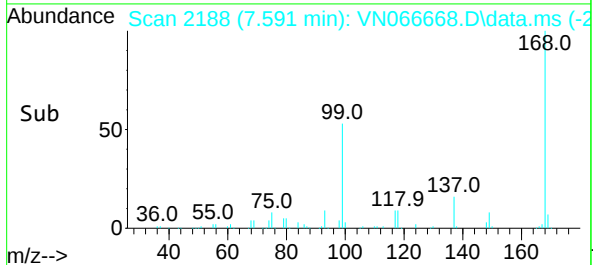
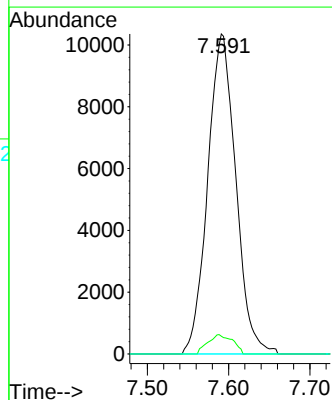
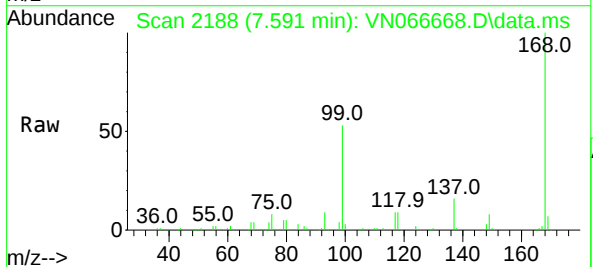
Instrument :
MSVOA_N
ClientSampleId :

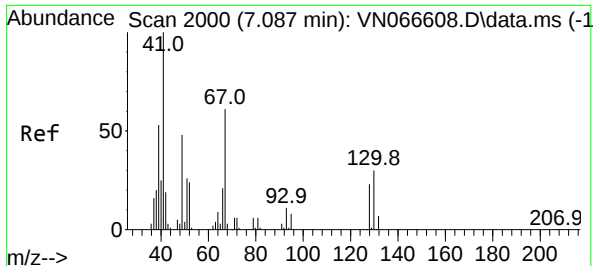
Tgt Ion: 43 Resp: 16865
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 5.94 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.105 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

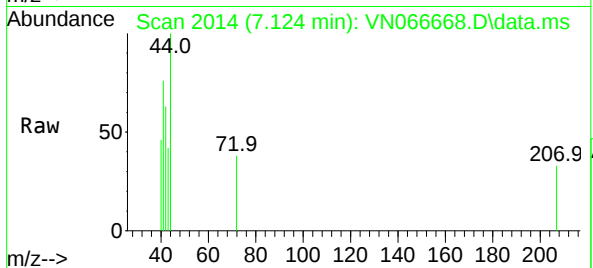
Tgt Ion: 117 Resp: 24859
Ion Ratio Lower Upper
117 100
119 5.6 76.0 114.0#
121 0.0 24.5 36.7#



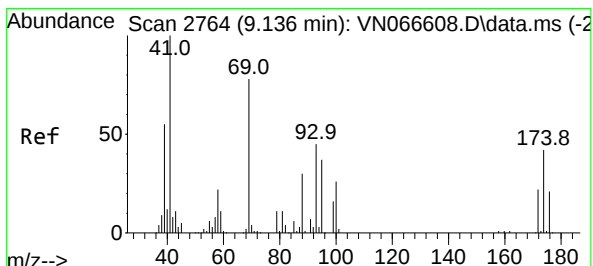
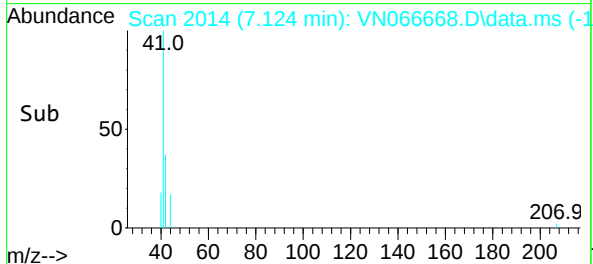
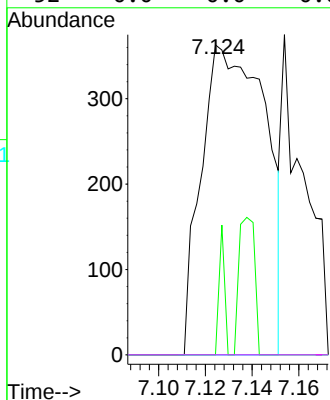


#41
Methacrylonitrile
Concen: 0.30 ug/l
RT: 7.124 min Scan# 2014
Delta R.T. 0.037 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

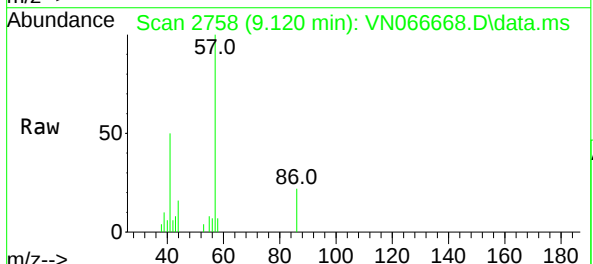
Instrument :
MSVOA_N
ClientSampleId :



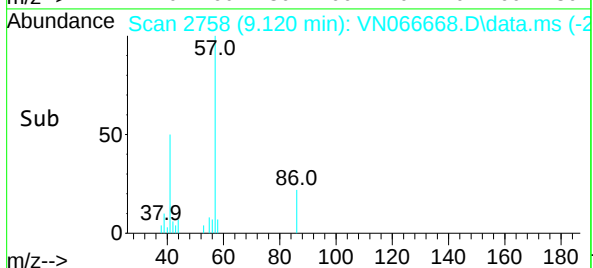
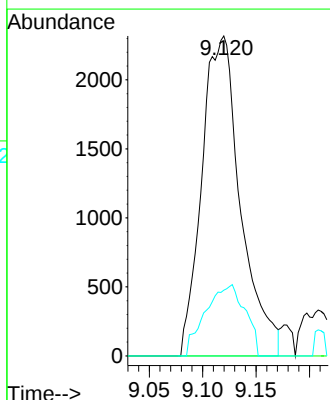
Tgt Ion: 41	Resp: 692
Ion Ratio	Lower Upper
41 100	
39 3.5	0.0 0.0#
67 0.0	0.0 0.0
52 0.0	0.0 0.0

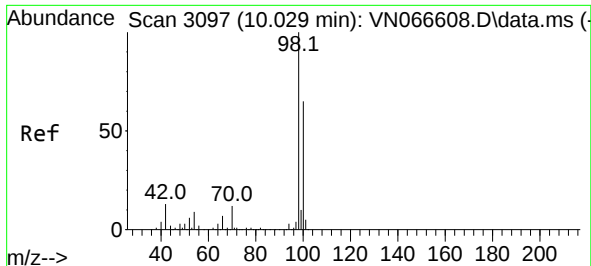


#48
Methyl methacrylate
Concen: 1.54 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27



Tgt Ion: 41	Resp: 5842
Ion Ratio	Lower Upper
41 100	
69 0.0	75.9 113.9#
39 22.7	46.6 69.8#

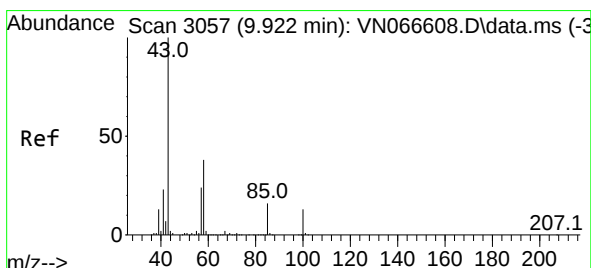
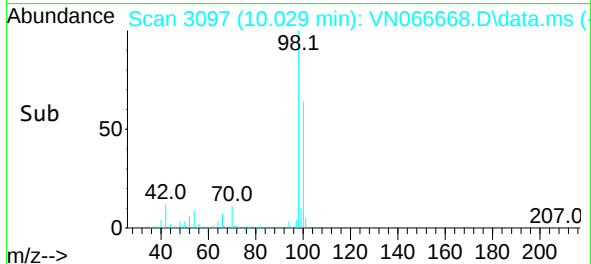
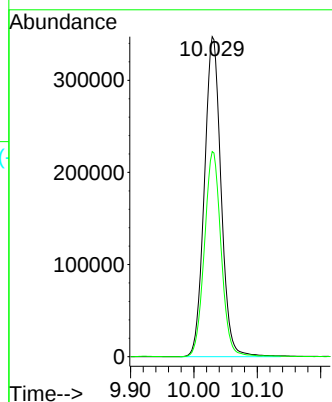
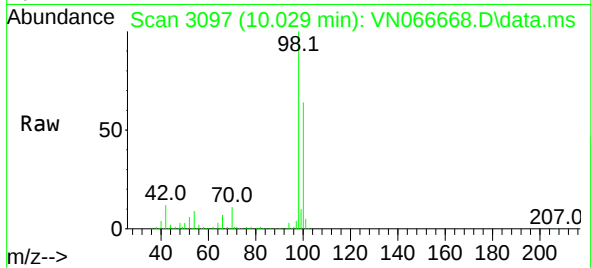




#50
Toluene-d8
Concen: 52.69 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

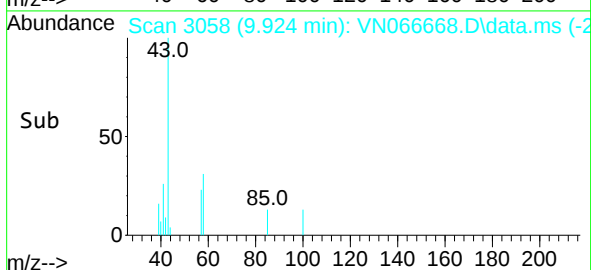
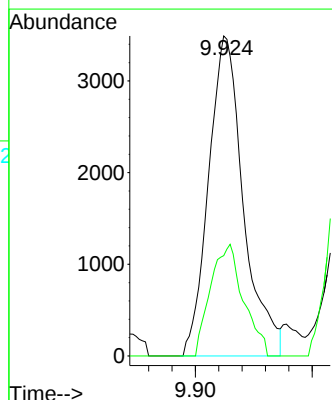
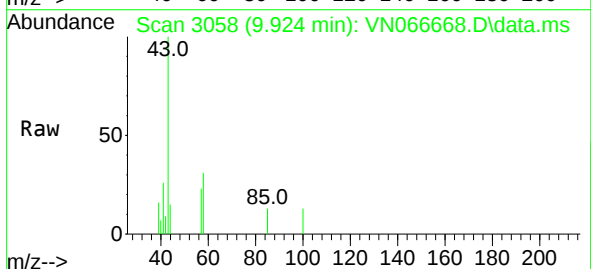
Instrument :
MSVOA_N
ClientSampleId :

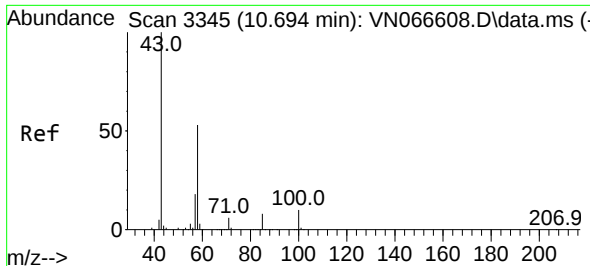
Tgt Ion: 98 Resp: 634666
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.45 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Tgt Ion: 43 Resp: 7235
Ion Ratio Lower Upper
43 100
58 32.9 32.5 48.7

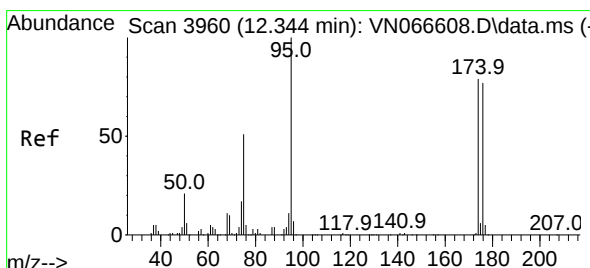
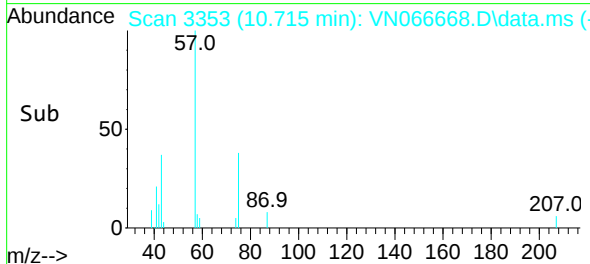
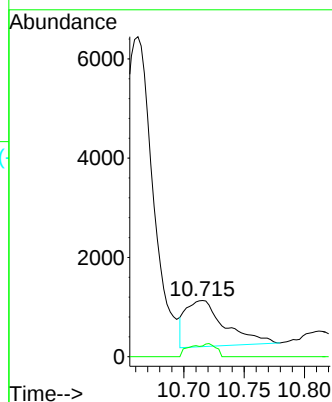
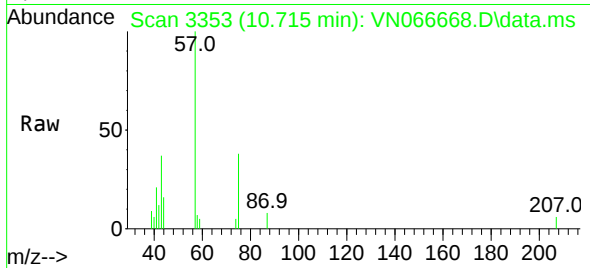




#59
2-Hexanone
Concen: 5.46 ug/l
RT: 10.715 min Scan# 3353
Delta R.T. 0.021 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

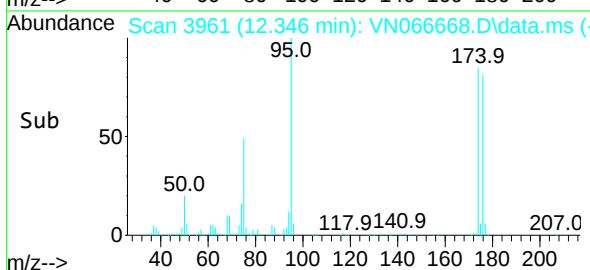
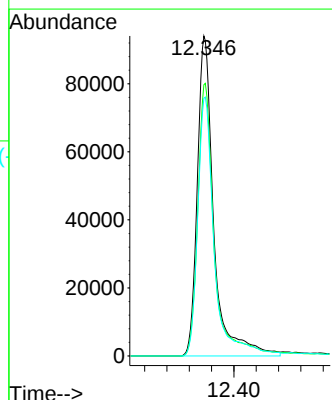
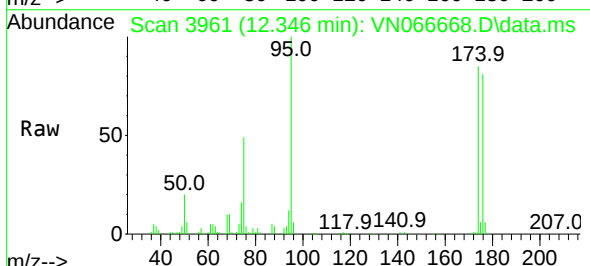
Instrument :
MSVOA_N
ClientSampled :

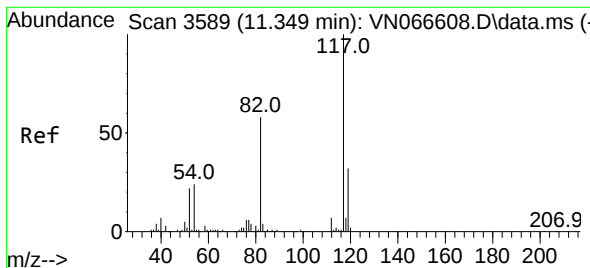
Tgt Ion: 43 Resp: 2119
Ion Ratio Lower Upper
43 100
58 18.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 45.59 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Tgt Ion: 95 Resp: 193089
Ion Ratio Lower Upper
95 100
174 84.4 0.0 169.0
176 81.6 0.0 162.4

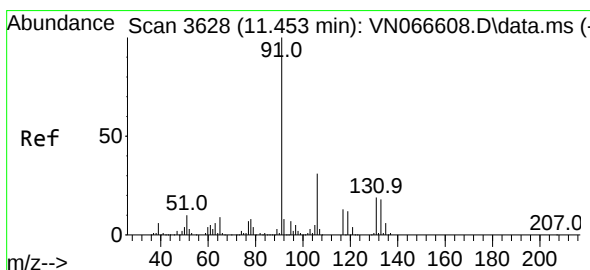
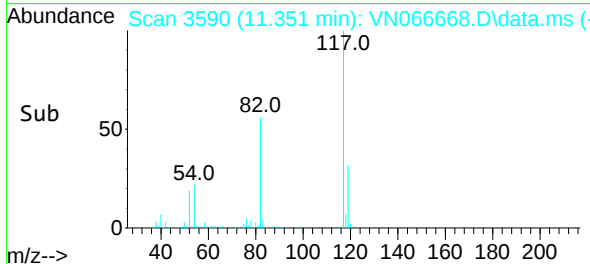
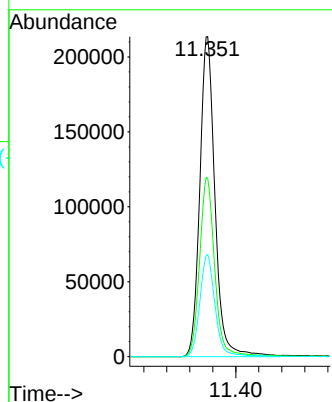
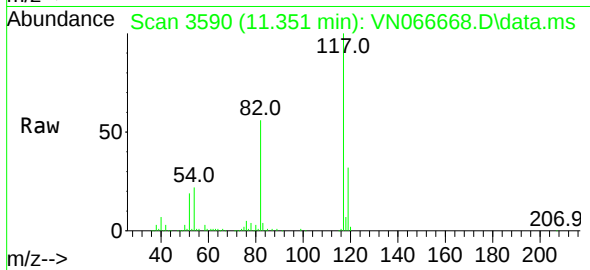




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.002 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

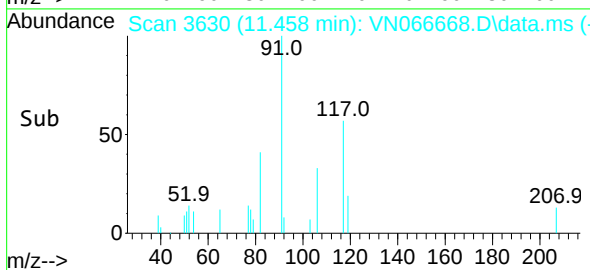
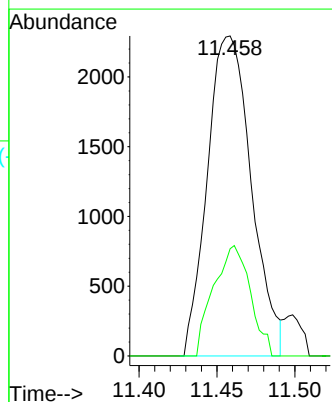
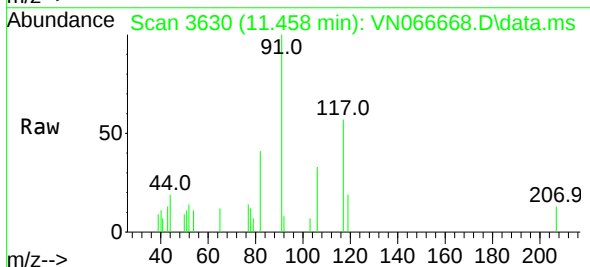
Instrument :
MSVOA_N
ClientSampleId :

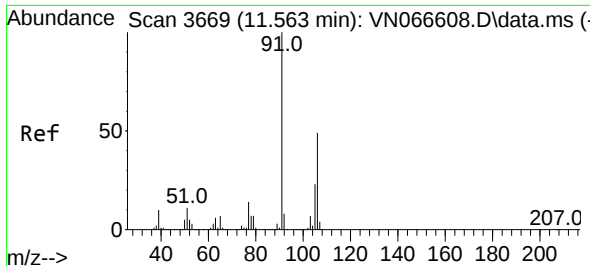
Tgt Ion:117 Resp: 391502
Ion Ratio Lower Upper
117 100
82 55.8 43.7 65.5
119 31.9 26.1 39.1



#67
Ethyl Benzene
Concen: 0.30 ug/l
RT: 11.458 min Scan# 3630
Delta R.T. 0.005 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Tgt Ion: 91 Resp: 4516
Ion Ratio Lower Upper
91 100
106 33.5 25.5 38.3

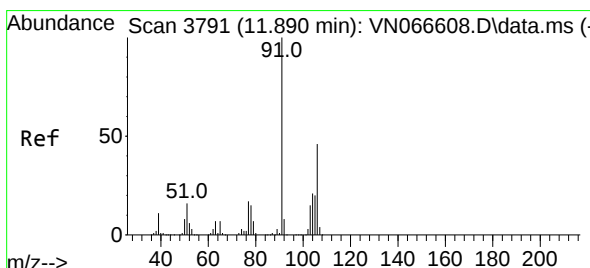
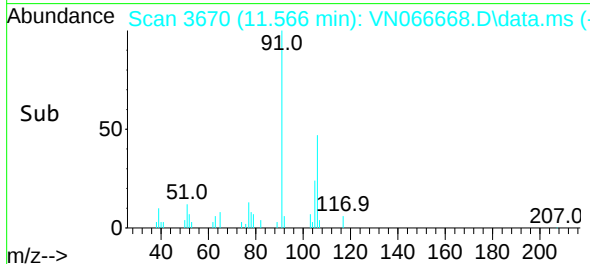
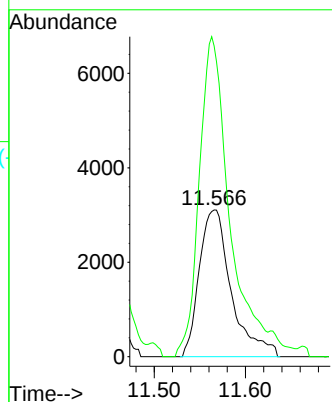
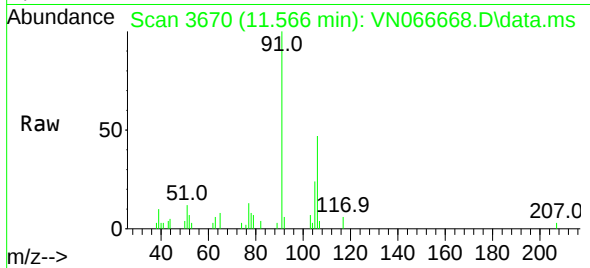




#68
m/p-Xylenes
Concen: 1.40 ug/l
RT: 11.566 min Scan# 3670
Delta R.T. 0.003 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

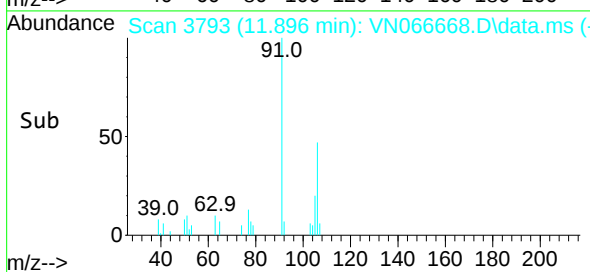
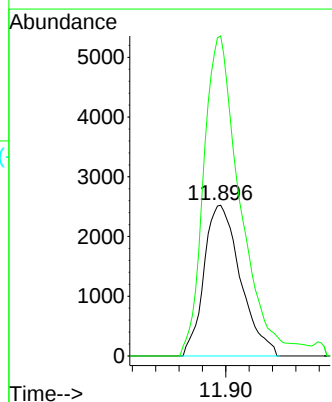
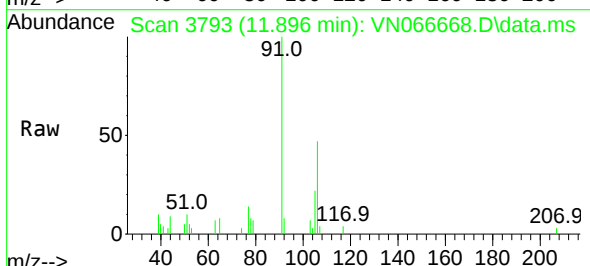
Instrument :
MSVOA_N
ClientSampled :

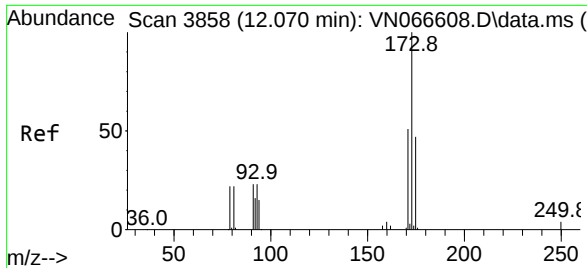
Tgt Ion:106 Resp: 7591
Ion Ratio Lower Upper
106 100
91 210.9 161.4 242.0



#69
o-Xylene
Concen: 1.03 ug/l
RT: 11.896 min Scan# 3793
Delta R.T. 0.006 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Tgt Ion:106 Resp: 5458
Ion Ratio Lower Upper
106 100
91 214.4 106.8 320.4

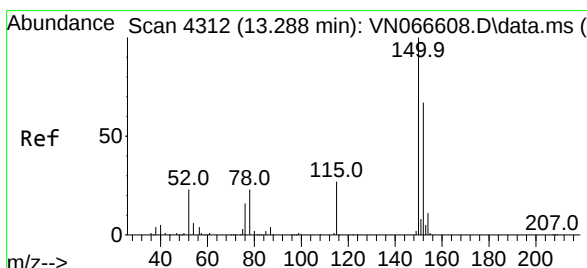
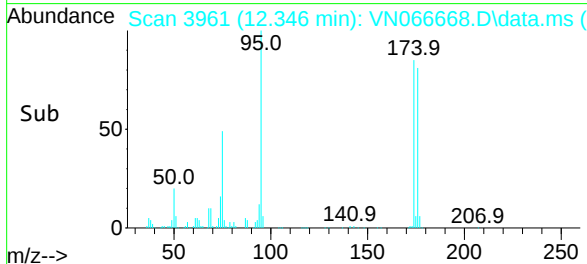
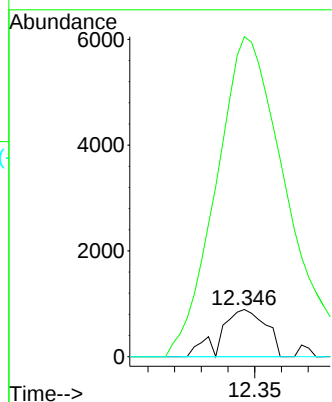
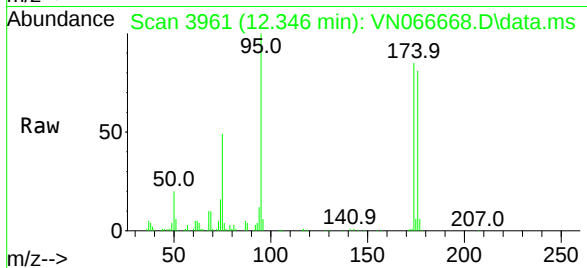




#71
Bromoform
Concen: 0.45 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.276 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

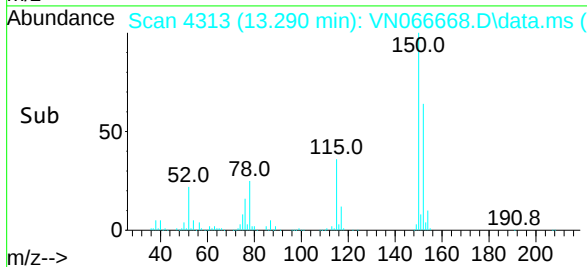
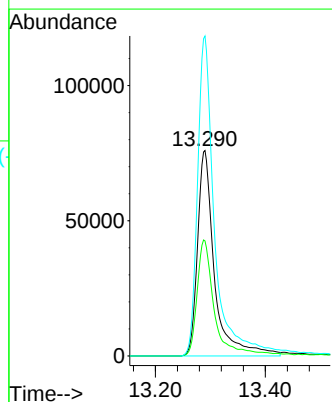
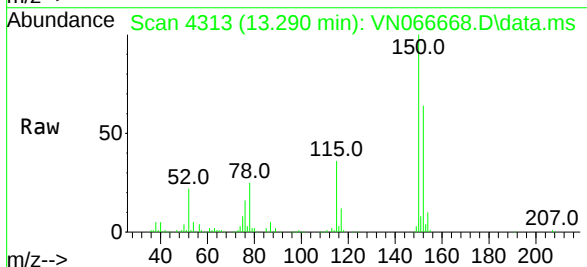
Instrument :
MSVOA_N
ClientSampled :

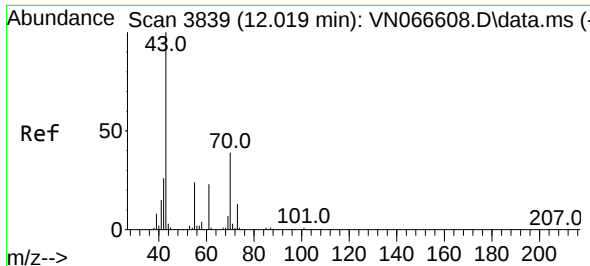
Tgt Ion:173 Resp: 1052
Ion Ratio Lower Upper
173 100
175 847.0 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.002 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

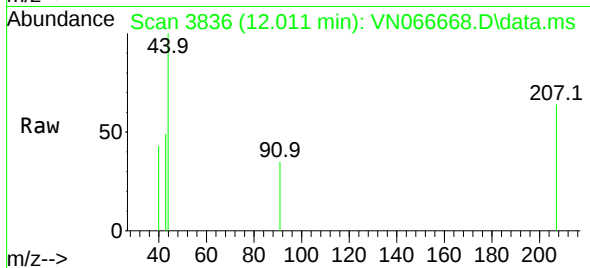
Tgt Ion:152 Resp: 163781
Ion Ratio Lower Upper
152 100
115 57.1 28.5 85.6
150 156.6 0.0 347.6



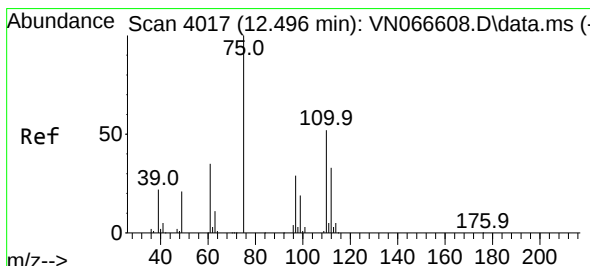
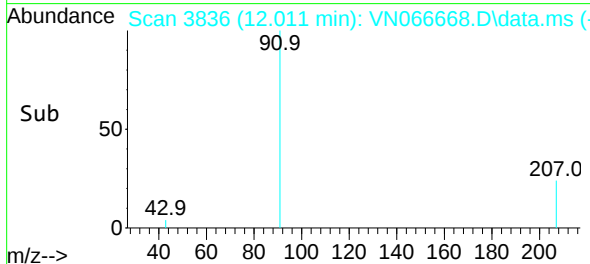


#74
N-amy1 acetate
Concen: 9.73 ug/l
RT: 12.011 min Scan# 3836
Delta R.T. -0.008 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

Instrument :
MSVOA_N
ClientSampled :

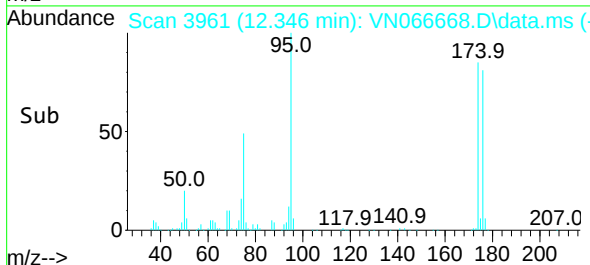
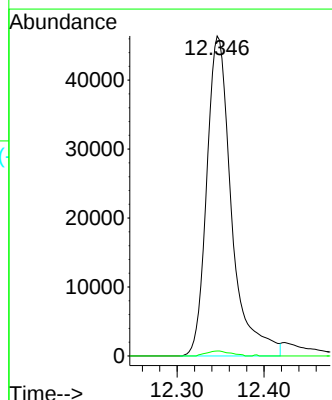
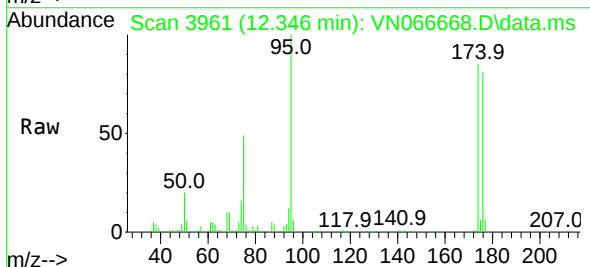


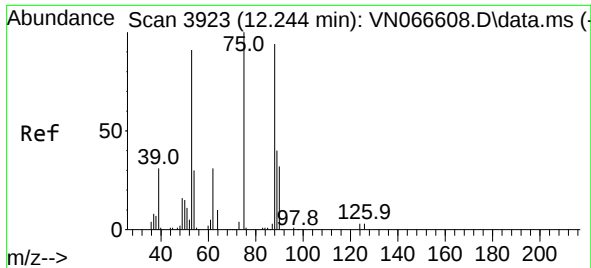
Tgt Ion: 43 Resp: 40
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 24.01 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066668.D
Acq: 19 Apr 2021 17:27

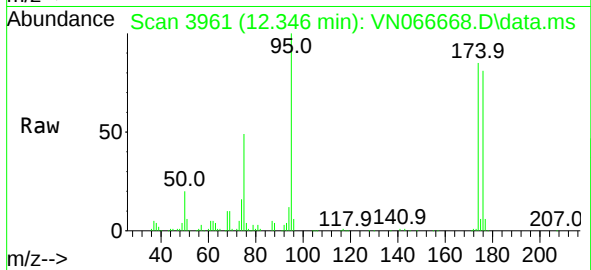
Tgt Ion: 75 Resp: 91976
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.24 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. 0.102 min
 Lab File: VN066668.D
 Acq: 19 Apr 2021 17:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	91976
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.6	111.8#
89	0.0	35.8	53.8#

