

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041921\
 Data File : VN066664.D
 Acq On : 19 Apr 2021 15:53
 Operator : JC/MD
 Sample : M2075-23
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

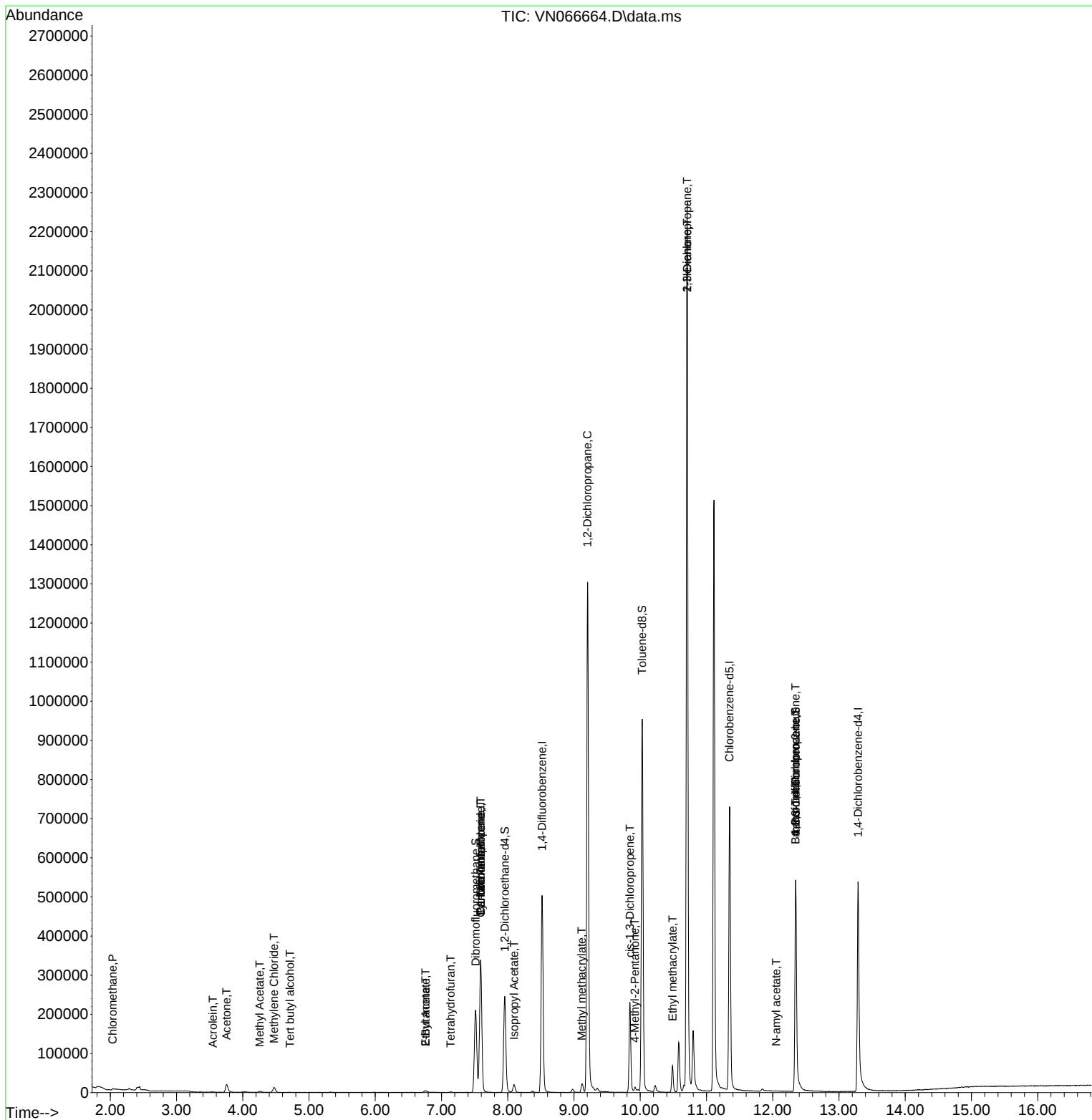
Quant Time: Apr 20 04:57:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.591	168	288669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	456171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	431234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.287	152	174604	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	211470	48.56	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.12%		
35) Dibromofluoromethane	7.516	113	167256	52.87	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.74%		
50) Toluene-d8	10.029	98	667456	53.83	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.66%		
62) 4-Bromofluorobenzene	12.346	95	209779	48.12	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.24%		
Target Compounds						Qvalue
3) Chloromethane	2.037	50	1323	0.26	ug/l	96
11) Tert butyl alcohol	4.713	59	226	0.32	ug/l #	73
13) Acrolein	3.549	56	689	1.85	ug/l	83
16) Acetone	3.756	43	35331	14.70	ug/l	98
18) Methyl Acetate	4.255	43	6158	1.31	ug/l #	70
20) Methylene Chloride	4.469	84	9218	2.24	ug/l	94
25) 2-Butanone	6.760	43	9919	3.86	ug/l	89
29) Tetrahydrofuran	7.138	42	641	0.37	ug/l #	51
31) Cyclohexane	7.594	56	5700	0.91	ug/l #	2
36) 1,1-Dichloropropene	7.591	75	21238	4.62	ug/l #	47
37) Ethyl Acetate	6.760	43	9919	1.90	ug/l #	68
38) Carbon Tetrachloride	7.591	117	25082	5.82	ug/l #	18
43) Isopropyl Acetate	8.095	43	25809	2.96	ug/l #	86
45) 1,2-Dichloropropane	9.203	63	1341	0.33	ug/l #	44
48) Methyl methacrylate	9.114	41	6185	1.58	ug/l #	10
49) 1,4-Dioxane	9.200	88	49	Below Cal	#	1
51) 4-Methyl-2-Pentanone	9.922	43	9620	1.88	ug/l #	87
54) cis-1,3-Dichloropropene	9.844	75	41660	6.94	ug/l #	63
56) Ethyl methacrylate	10.487	69	356	0.96	ug/l #	1
57) 1,3-Dichloropropane	10.707	76	23301	3.88	ug/l #	43
59) 2-Hexanone	10.707	43	337280	95.44	ug/l #	49
71) Bromoform	12.343	173	1351	0.53	ug/l #	1
74) N-amyl acetate	12.054	43	126	9.75	ug/l #	42
76) 1,2,3-Trichloropropane	12.346	75	106514	26.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.346	75	106514	80.47	ug/l #	12

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

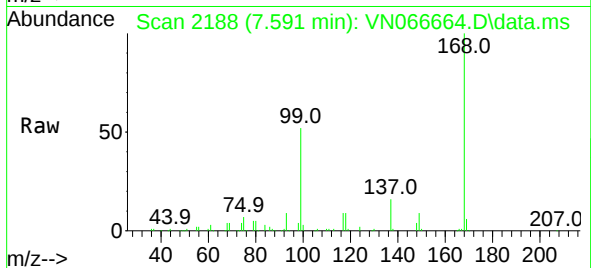
Quant Time: Apr 20 04:57:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 15 19:16:35 2021
Response via : Initial Calibration



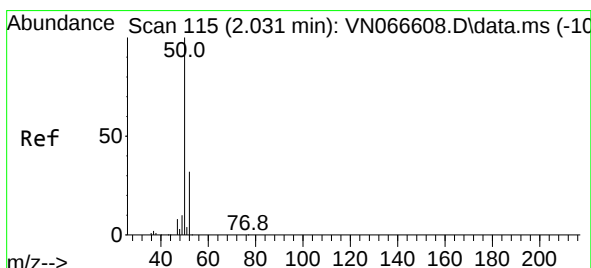
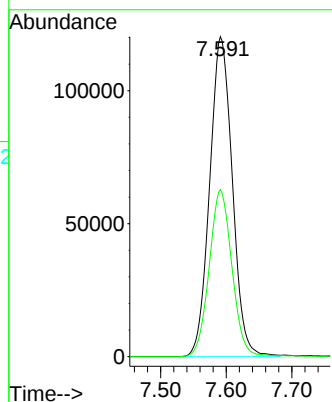
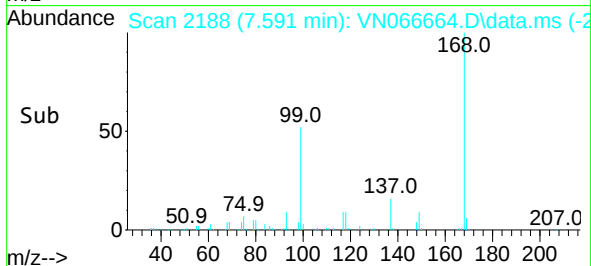


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

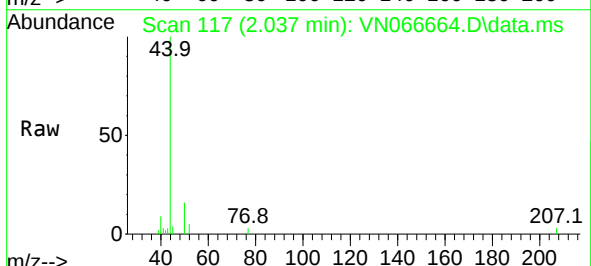
Instrument :
MSVOA_N
ClientSampleId :



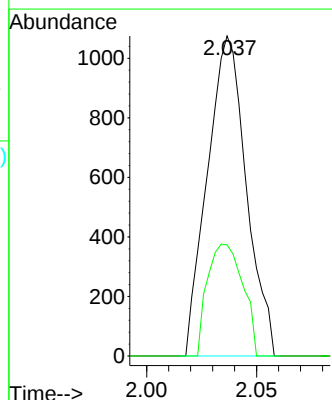
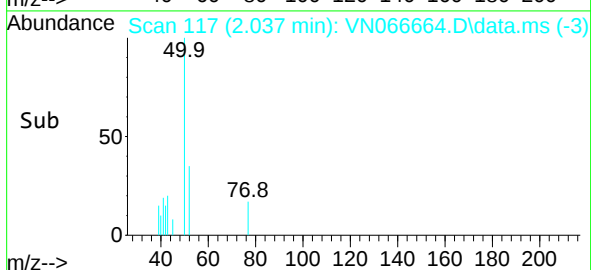
Tgt Ion:168 Resp: 288669
Ion Ratio Lower Upper
168 100
99 52.2 42.6 63.8

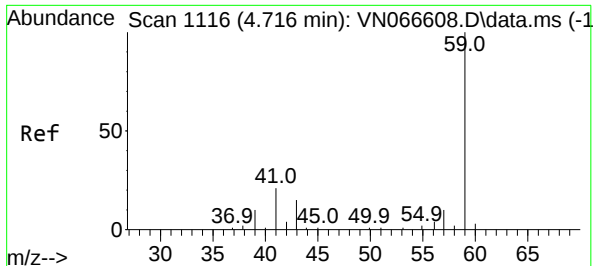


#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.037 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53



Tgt Ion: 50 Resp: 1323
Ion Ratio Lower Upper
50 100
52 34.7 25.8 38.8



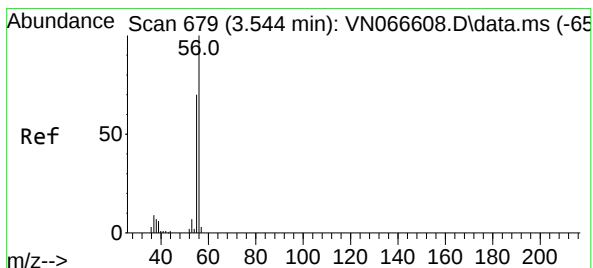
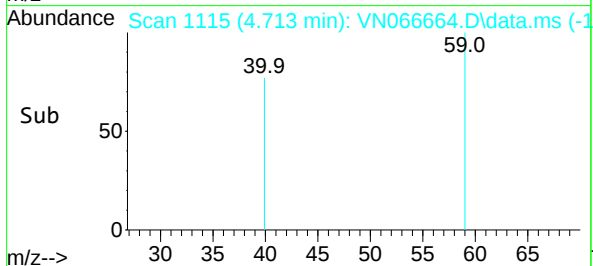
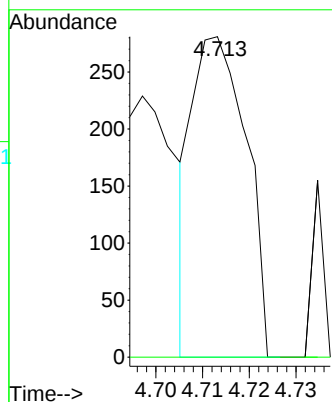
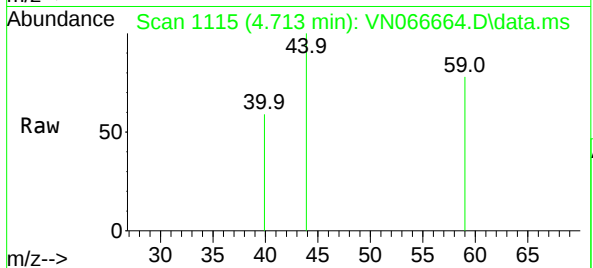


#11

Tert butyl alcohol
Concen: 0.32 ug/l
RT: 4.713 min Scan# 1115
Delta R.T. -0.003 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Instrument :
MSVOA_N
ClientSampled :

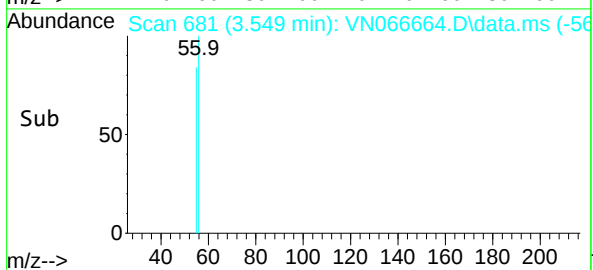
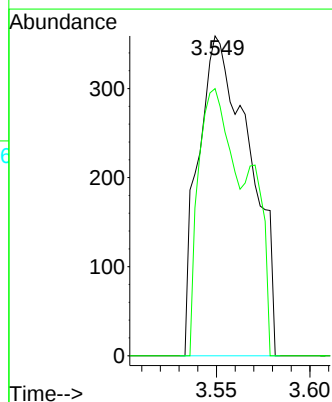
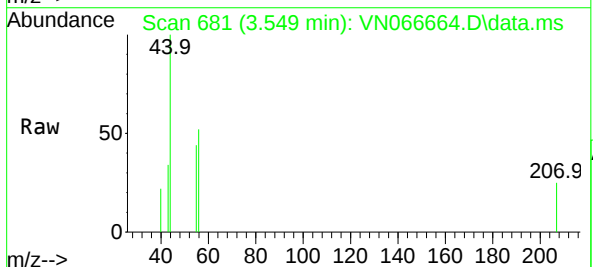
Tgt Ion: 59 Resp: 226
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

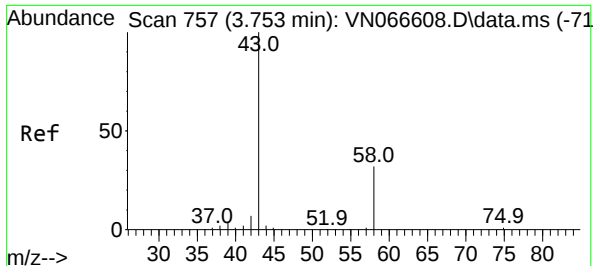


#13

Acrolein
Concen: 1.85 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.005 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Tgt Ion: 56 Resp: 689
Ion Ratio Lower Upper
56 100
55 56.5 56.0 84.0

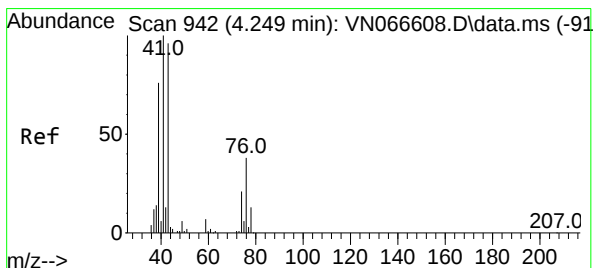
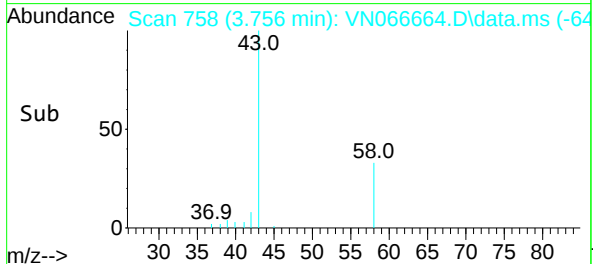
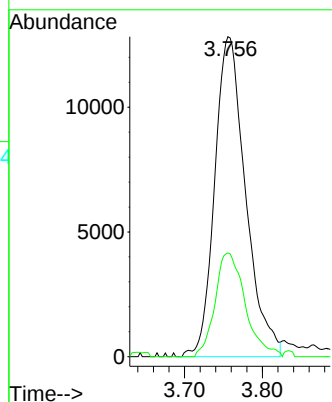
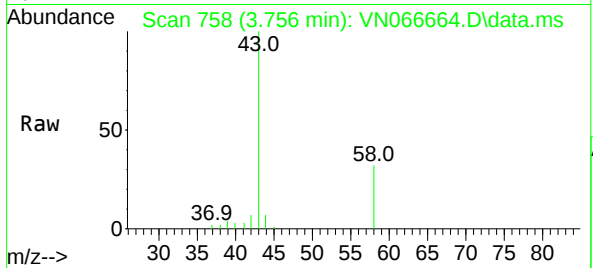




#16
Acetone
Concen: 14.70 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.003 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

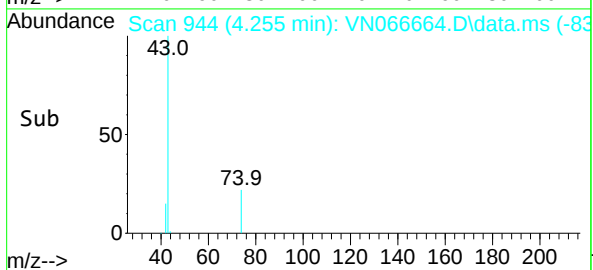
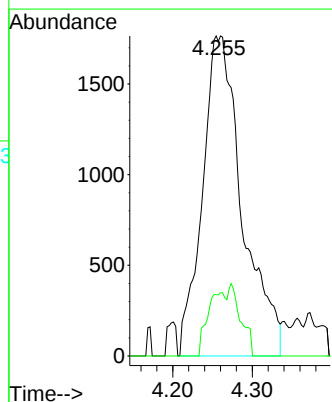
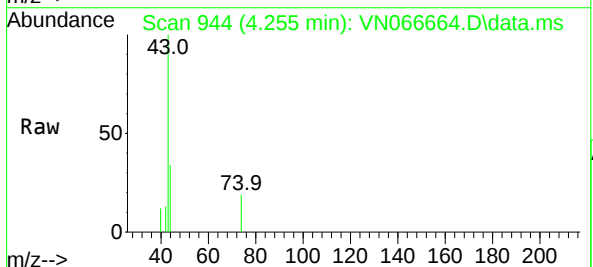
Instrument :
MSVOA_N
ClientSampled :

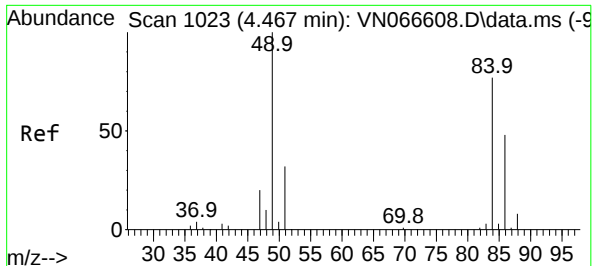
Tgt Ion: 43 Resp: 35331
Ion Ratio Lower Upper
43 100
58 32.4 27.0 40.6



#18
Methyl Acetate
Concen: 1.31 ug/l
RT: 4.255 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Tgt Ion: 43 Resp: 6158
Ion Ratio Lower Upper
43 100
74 9.5 19.5 29.3#





#20

Methylene Chloride

Concen: 2.24 ug/l

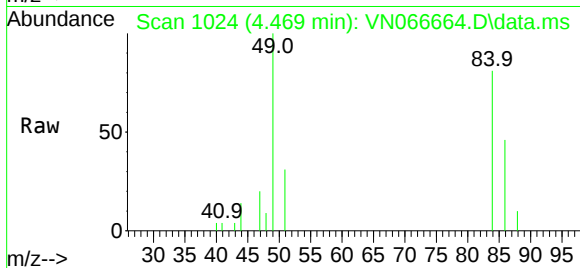
RT: 4.469 min Scan# 1024

Delta R.T. 0.002 min

Lab File: VN066664.D

Acq: 19 Apr 2021 15:53

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 9218

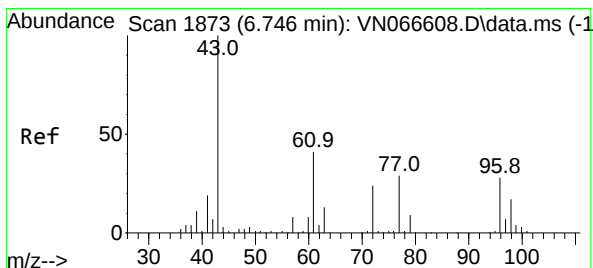
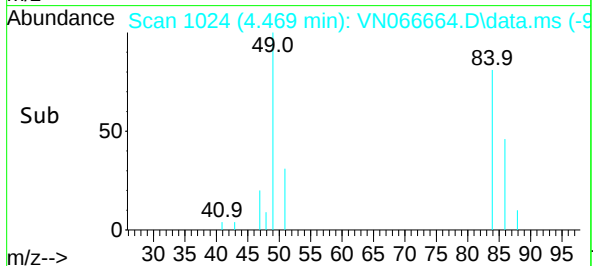
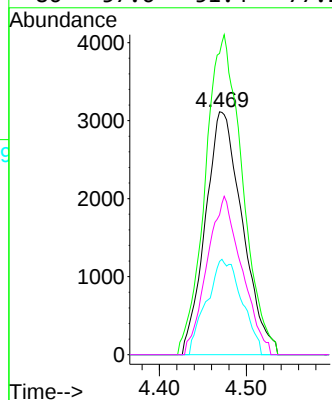
Ion Ratio Lower Upper

84 100

49 124.1 94.6 141.8

51 38.4 29.9 44.9

86 57.6 51.4 77.2



#25

2-Butanone

Concen: 3.86 ug/l

RT: 6.760 min Scan# 1878

Delta R.T. 0.014 min

Lab File: VN066664.D

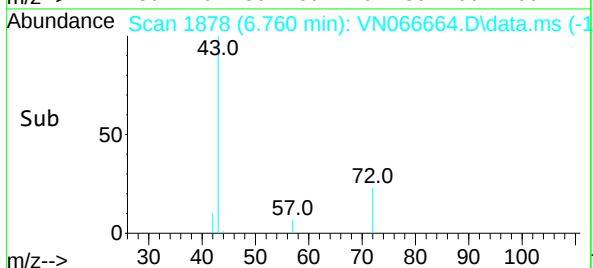
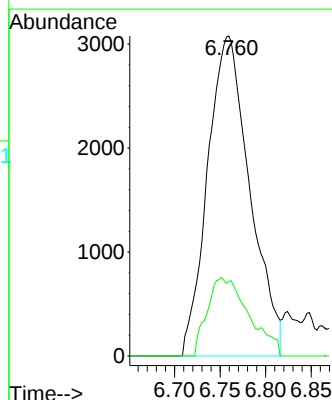
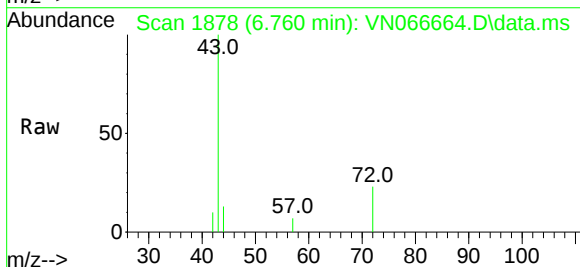
Acq: 19 Apr 2021 15:53

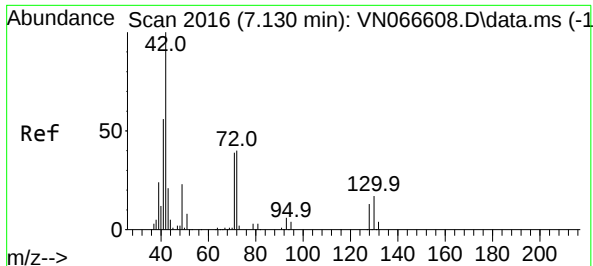
Tgt Ion: 43 Resp: 9919

Ion Ratio Lower Upper

43 100

72 23.3 23.1 34.7





#29

Tetrahydrofuran

Concen: 0.37 ug/l

RT: 7.138 min Scan# 2019

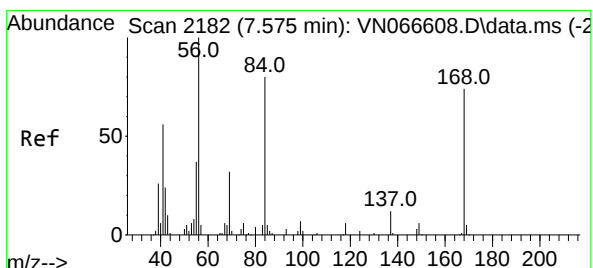
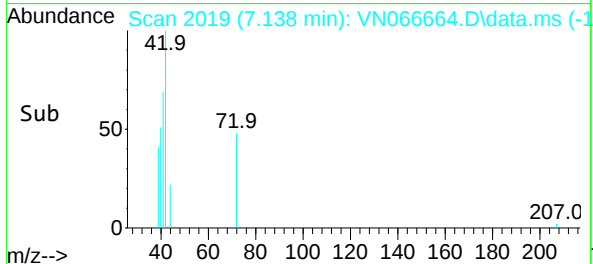
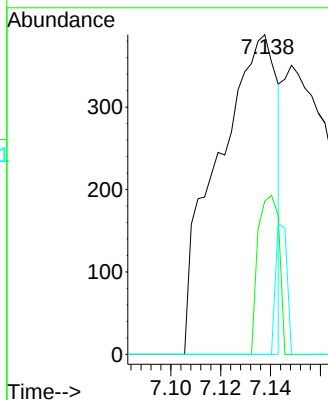
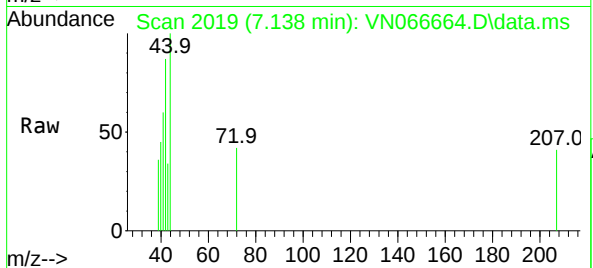
Delta R.T. 0.008 min

Lab File: VN066664.D

Acq: 19 Apr 2021 15:53

Tgt Ion:	42	Resp:	641
Ion	Ratio	Lower	Upper
42	100		
72	17.6	36.6	55.0#
71	7.8	34.3	51.5#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.91 ug/l

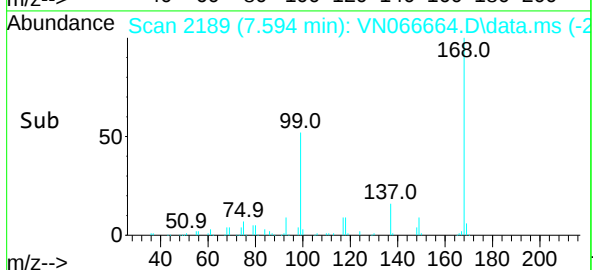
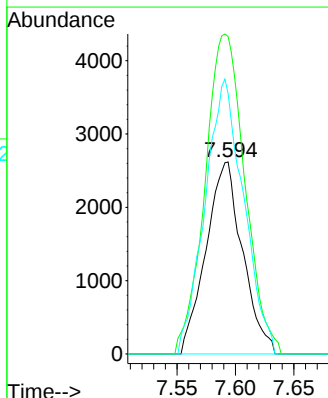
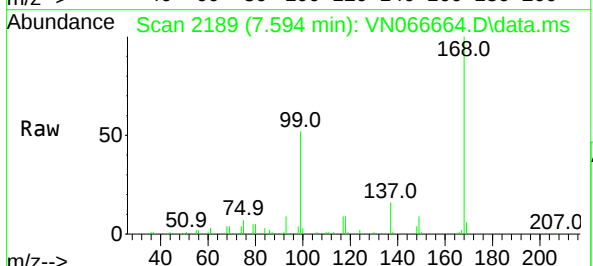
RT: 7.594 min Scan# 2189

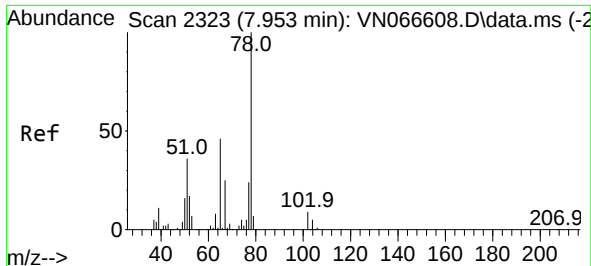
Delta R.T. 0.019 min

Lab File: VN066664.D

Acq: 19 Apr 2021 15:53

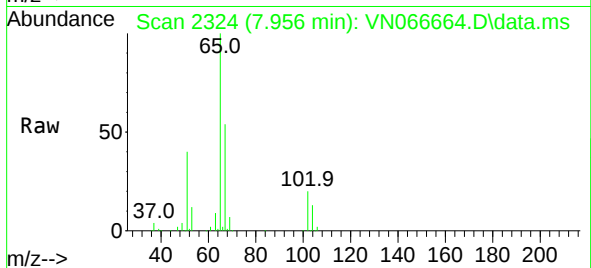
Tgt Ion:	56	Resp:	5700
Ion	Ratio	Lower	Upper
56	100		
69	159.5	26.6	39.8#
84	135.6	70.4	105.6#



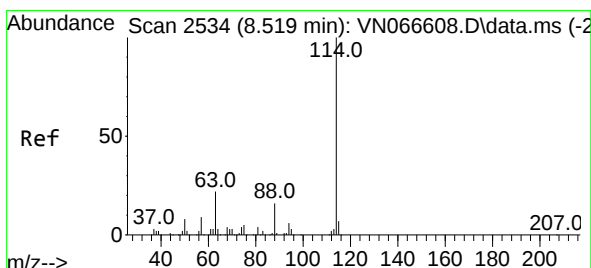
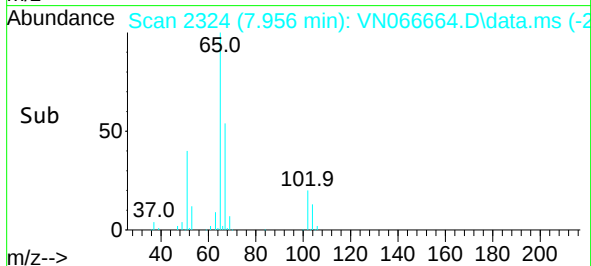
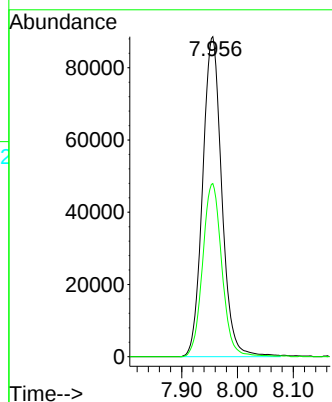


#33
1,2-Dichloroethane-d4
Concen: 48.56 ug/l
RT: 7.956 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Instrument :
MSVOA_N
ClientSampled :

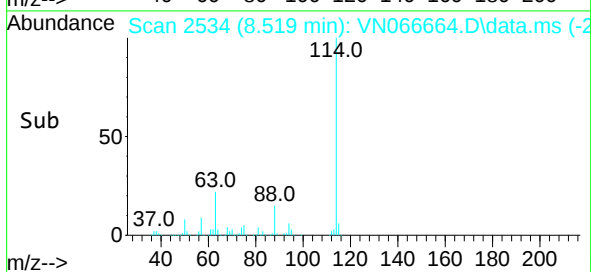
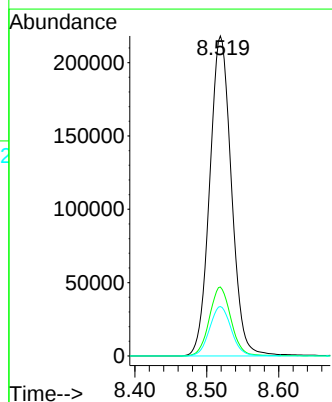
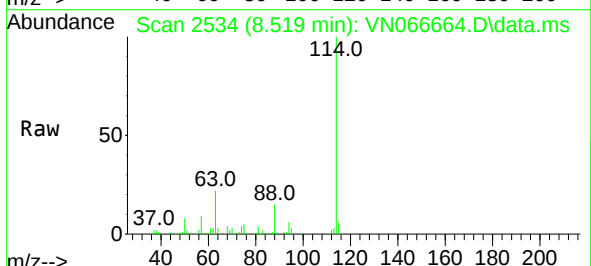


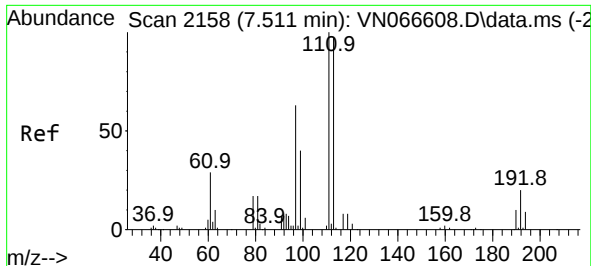
Tgt Ion: 65 Resp: 211470
Ion Ratio Lower Upper
65 100
67 54.4 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. -0.000 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Tgt Ion: 114 Resp: 456171
Ion Ratio Lower Upper
114 100
63 21.5 0.0 38.6
88 15.4 0.0 30.6

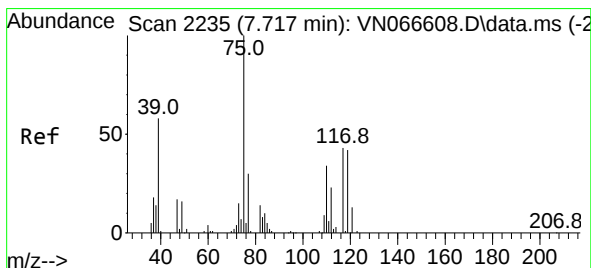
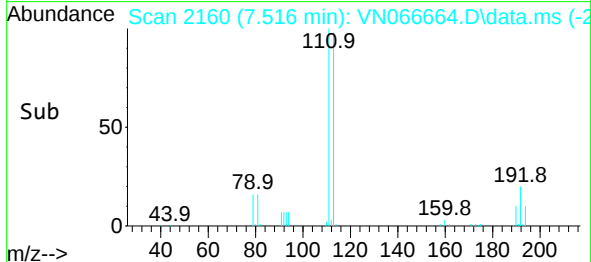
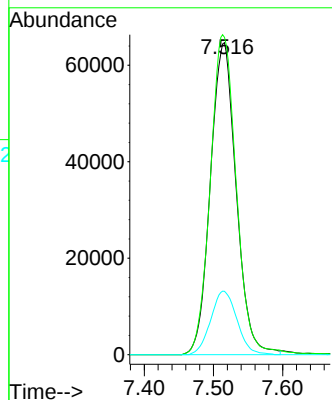
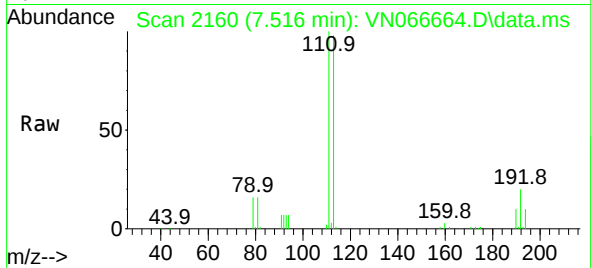




#35
Dibromofluoromethane
Concen: 52.87 ug/l
RT: 7.516 min Scan# 2160
Delta R.T. 0.005 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

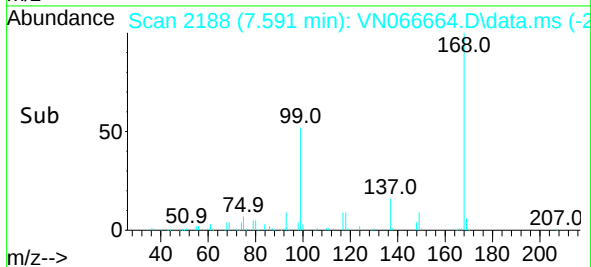
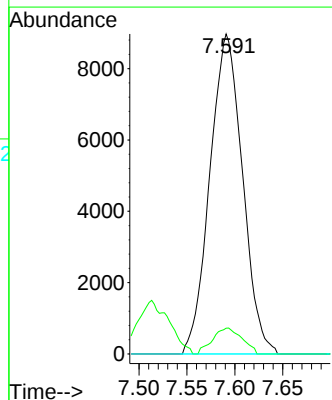
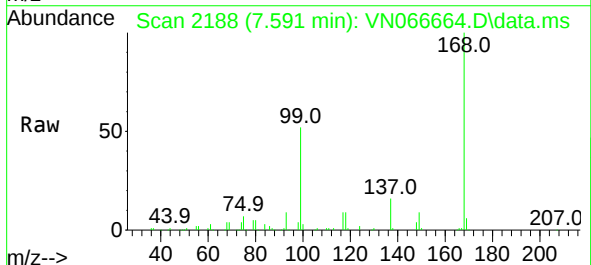
Instrument :
MSVOA_N
ClientSampleId :

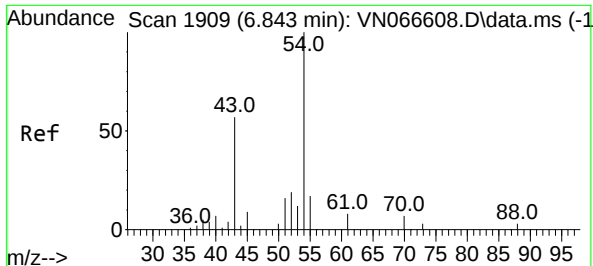
Tgt Ion:113 Resp: 167256
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 20.8 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.62 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Tgt Ion: 75 Resp: 21238
Ion Ratio Lower Upper
75 100
110 7.3 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.90 ug/l

RT: 6.760 min Scan# 1878

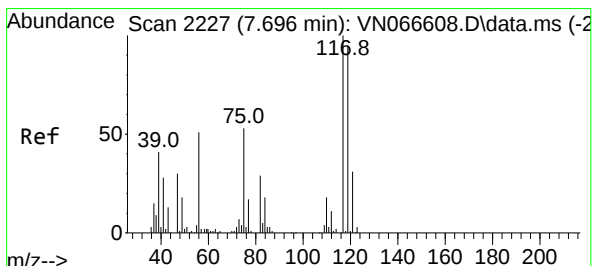
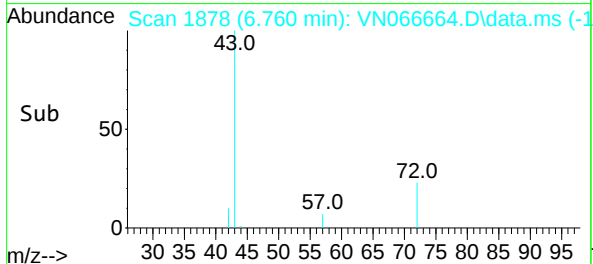
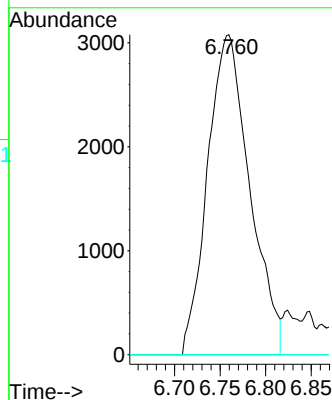
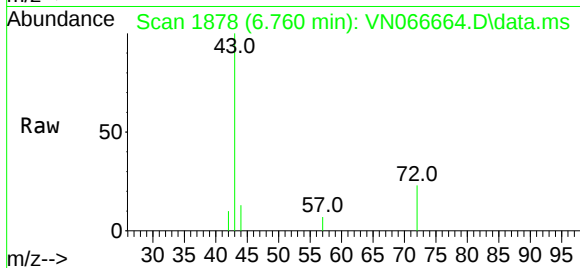
Delta R.T. -0.083 min

Lab File: VN066664.D

Acq: 19 Apr 2021 15:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	43	Resp:	9919
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 5.82 ug/l

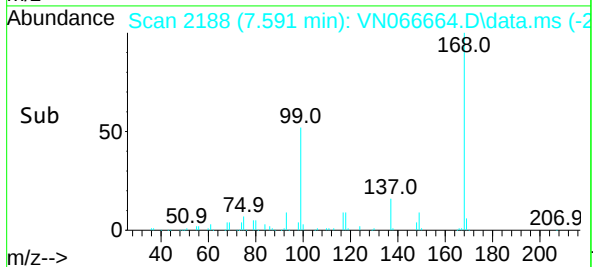
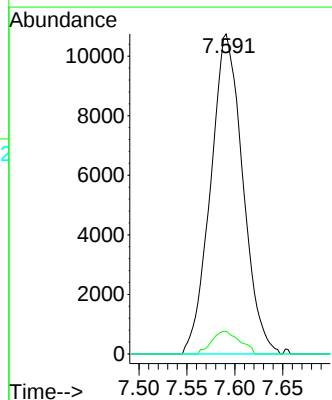
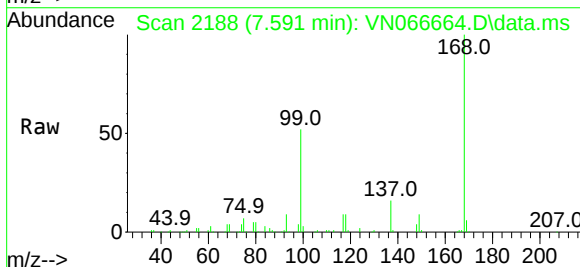
RT: 7.591 min Scan# 2188

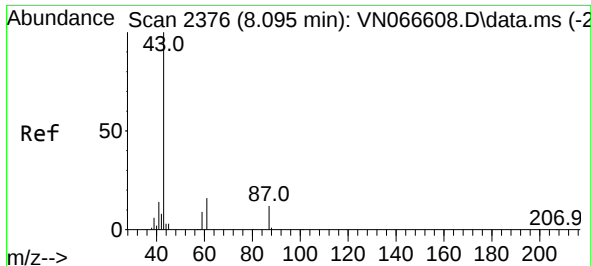
Delta R.T. -0.105 min

Lab File: VN066664.D

Acq: 19 Apr 2021 15:53

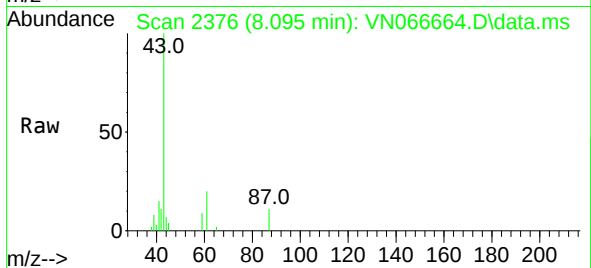
Tgt Ion:	117	Resp:	25082
Ion	Ratio	Lower	Upper
117	100		
119	7.1	76.0	114.0#
121	0.0	24.5	36.7#



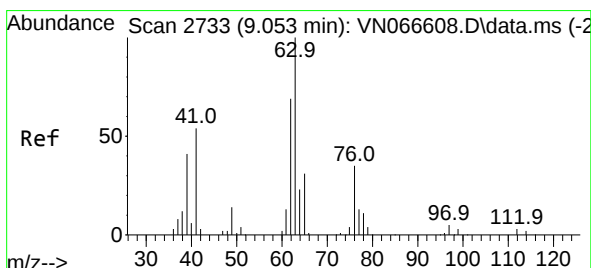
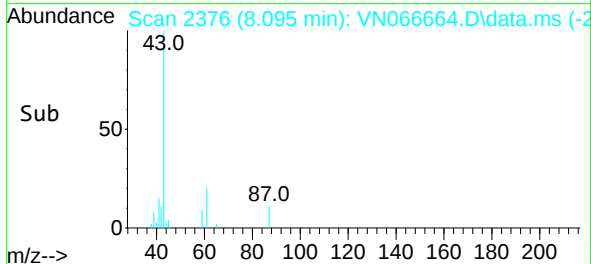
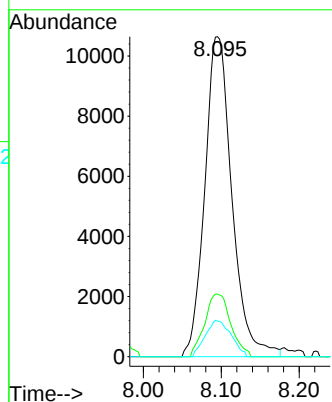


#43
Isopropyl Acetate
Concen: 2.96 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.000 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Instrument :
MSVOA_N
ClientSampleId :

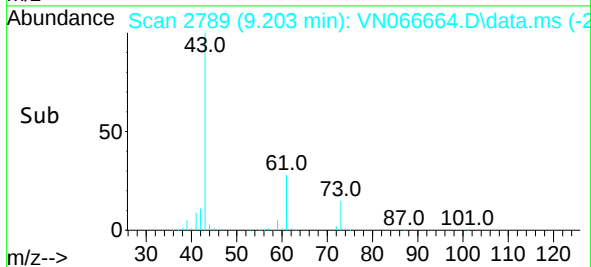
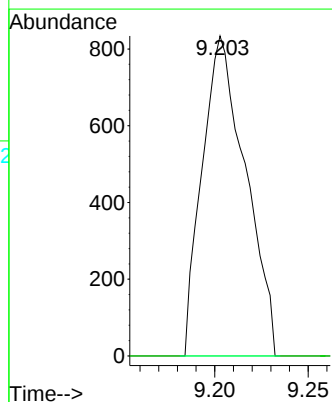
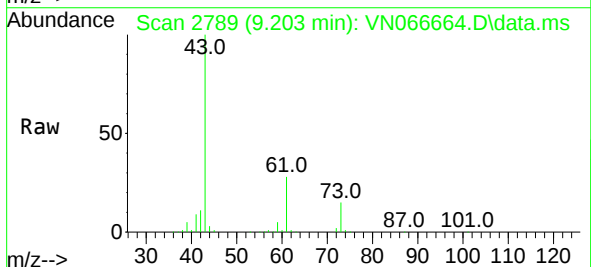


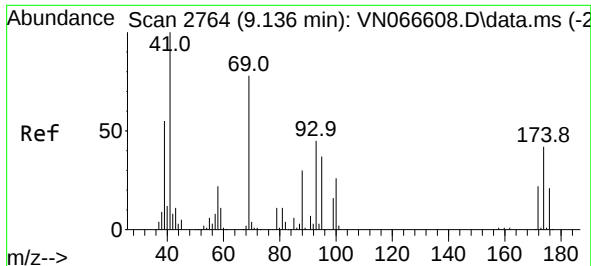
Tgt Ion:	43	Resp:	25809
Ion Ratio	Lower	Upper	
43	100		
61	18.7	22.5	33.7#
87	10.8	11.1	16.7#



#45
1,2-Dichloropropane
Concen: 0.33 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

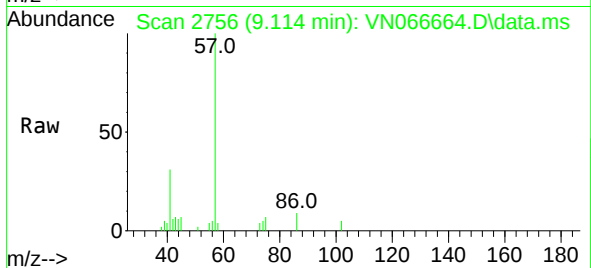
Tgt Ion:	63	Resp:	1341
Ion Ratio	Lower	Upper	
63	100		
65	0.0	24.9	37.3#



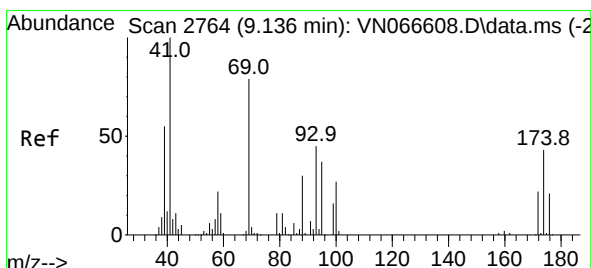
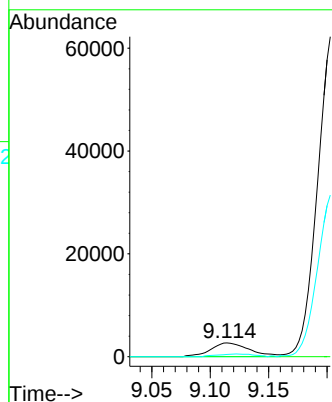
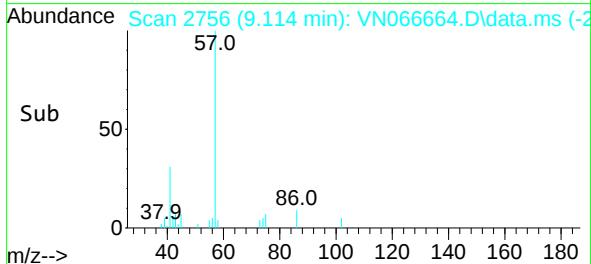


#48
Methyl methacrylate
Concen: 1.58 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

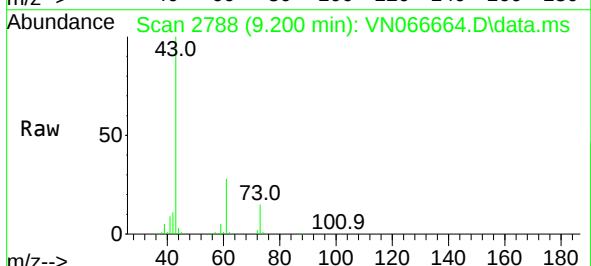
Instrument :
MSVOA_N
ClientSampled :



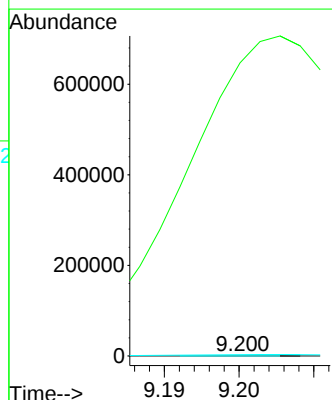
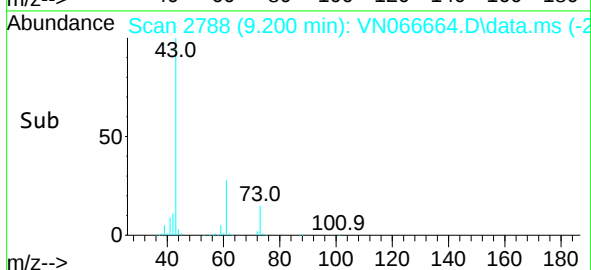
Tgt Ion: 41 Resp: 6185
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#

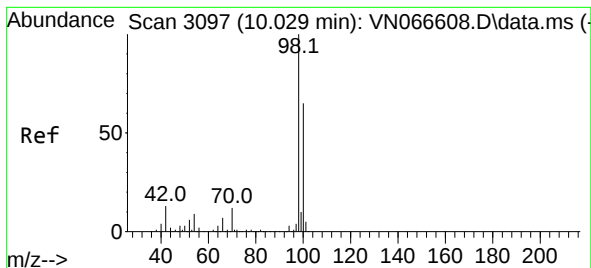


#49
1,4-Dioxane
Concen: Below Cal
RT: 9.200 min Scan# 2788
Delta R.T. 0.064 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53



Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 2716898.0 24.7 37.1#
58 12204.1 52.6 78.8#

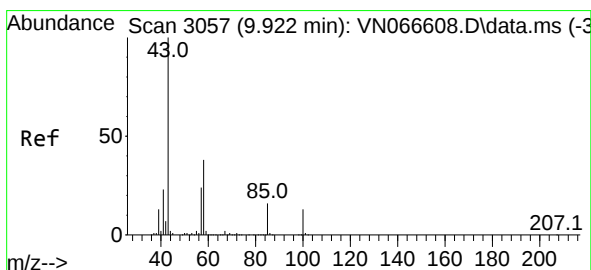
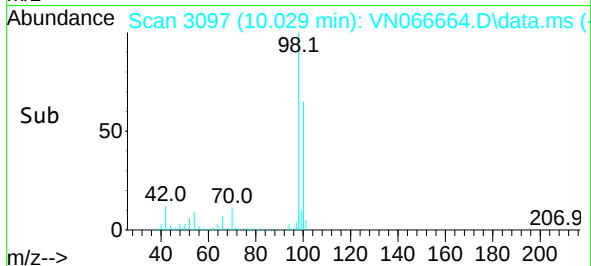
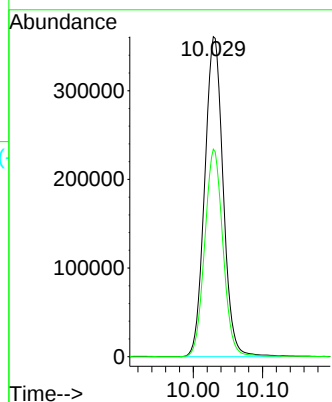
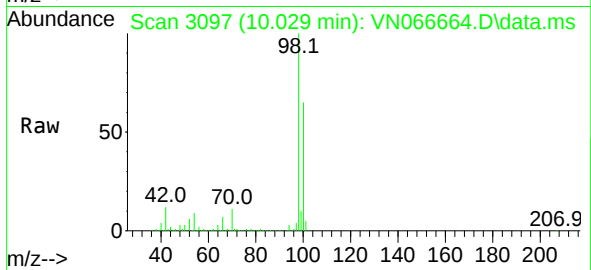




#50
Toluene-d8
Concen: 53.83 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

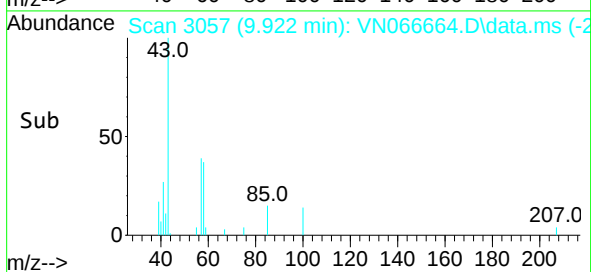
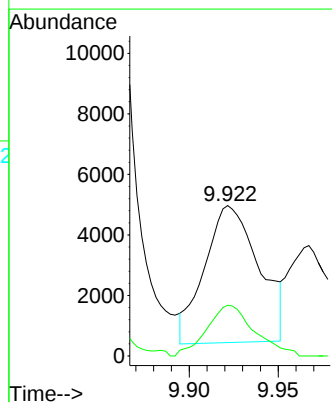
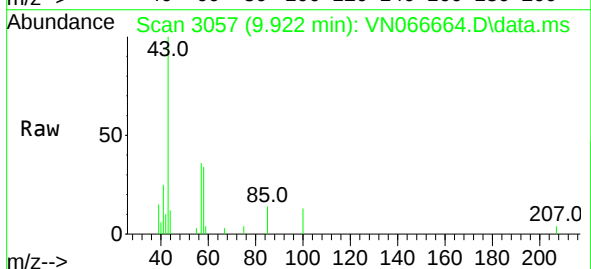
Instrument :
MSVOA_N
ClientSampleId :

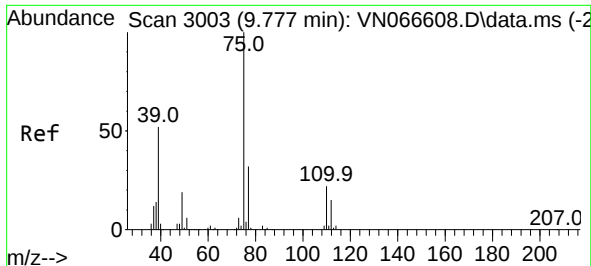
Tgt Ion: 98 Resp: 667456
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.88 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

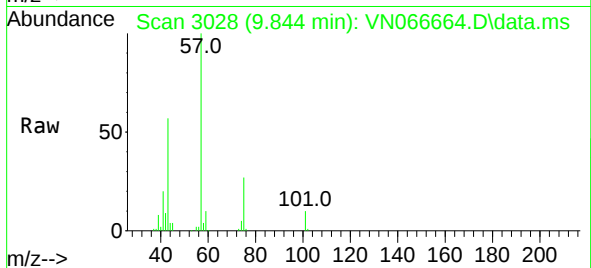
Tgt Ion: 43 Resp: 9620
Ion Ratio Lower Upper
43 100
58 32.5 32.5 48.7#



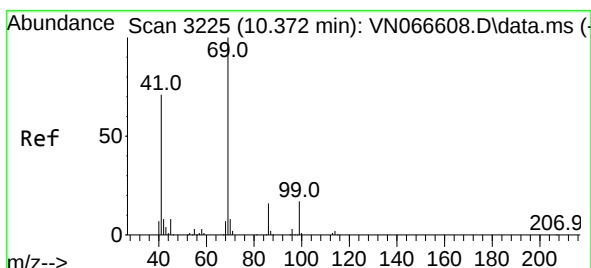
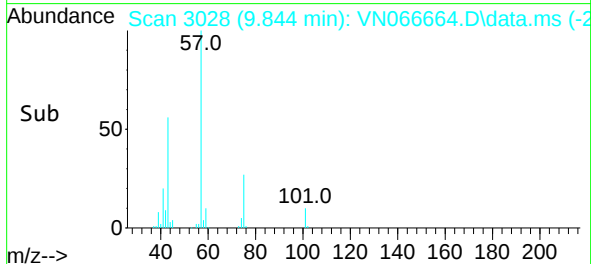
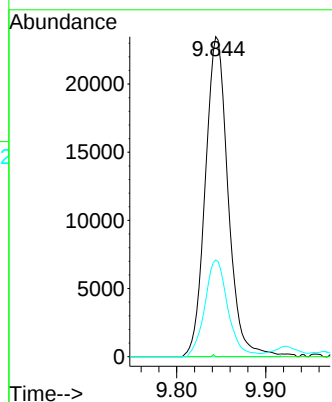


#54
cis-1,3-Dichloropropene
Concen: 6.94 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Instrument :
MSVOA_N
ClientSampleId :

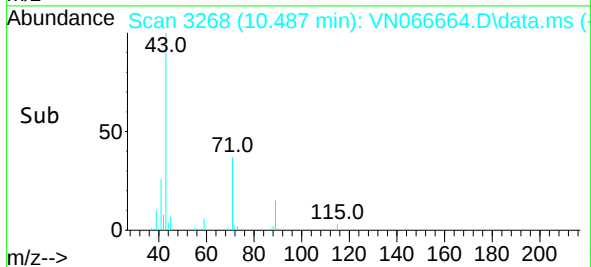
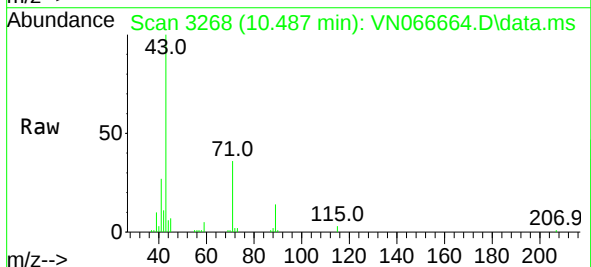
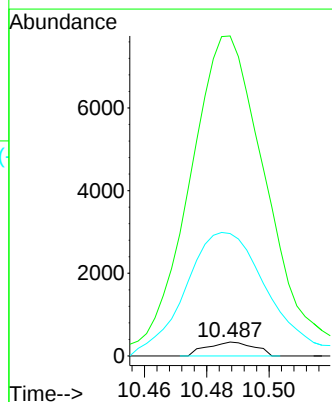


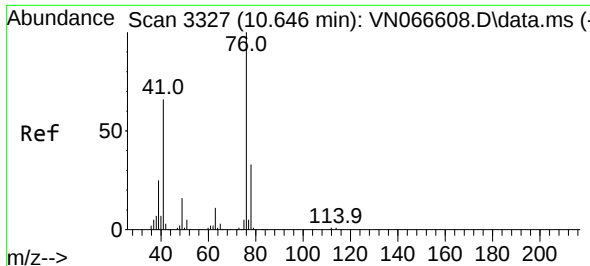
Tgt Ion: 75 Resp: 41660
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 30.3 36.2 54.4#



#56
Ethyl methacrylate
Concen: 0.96 ug/l
RT: 10.487 min Scan# 3268
Delta R.T. 0.115 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Tgt Ion: 69 Resp: 356
Ion Ratio Lower Upper
69 100
41 3818.0 49.6 74.4#
39 1587.6 28.0 42.0#

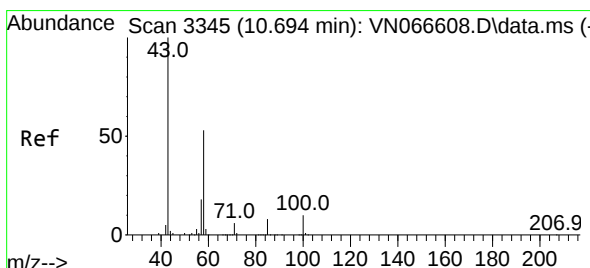
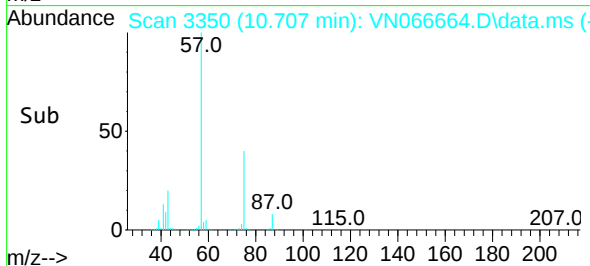
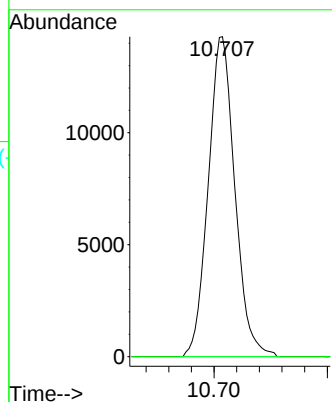
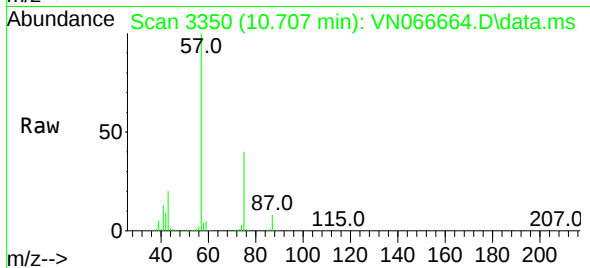




#57
1,3-Dichloropropane
Concen: 3.88 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

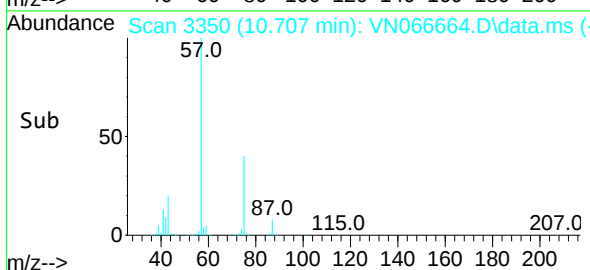
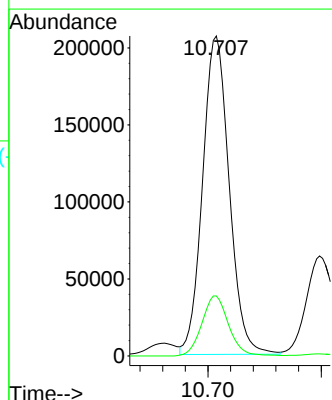
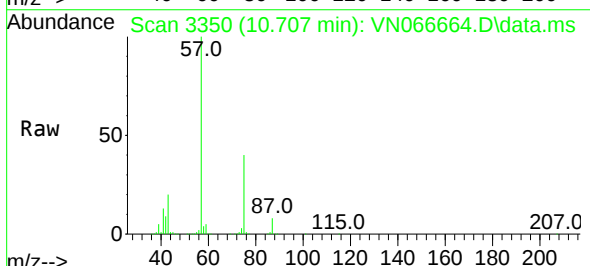
Instrument :
MSVOA_N
ClientSampled :

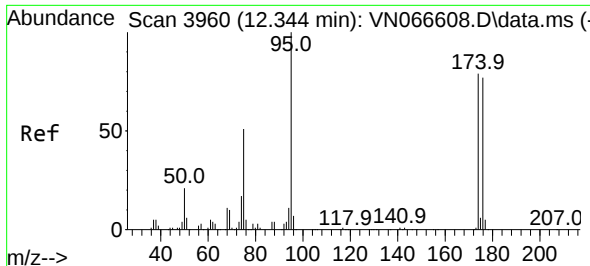
Tgt Ion: 76 Resp: 23301
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 95.44 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.013 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Tgt Ion: 43 Resp: 337280
Ion Ratio Lower Upper
43 100
58 19.0 28.1 84.3#

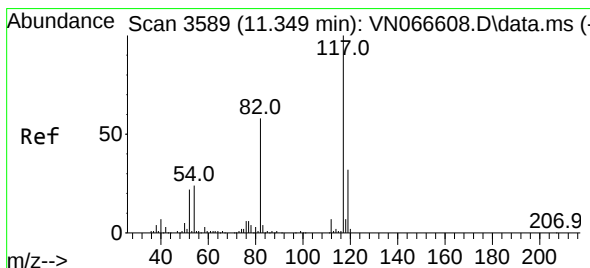
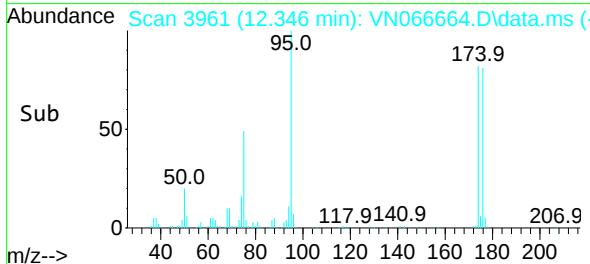
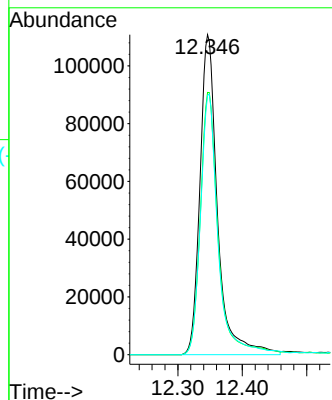
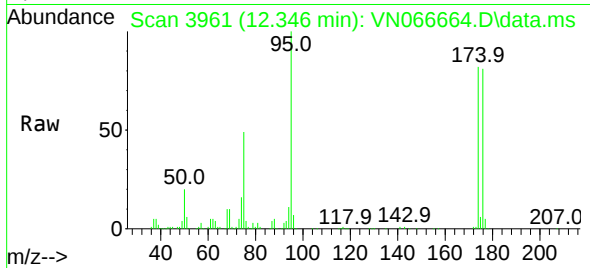




#62
4-Bromofluorobenzene
Concen: 48.12 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.002 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

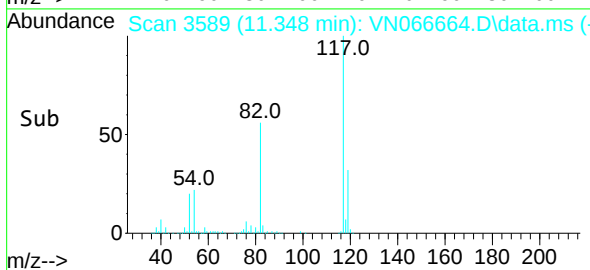
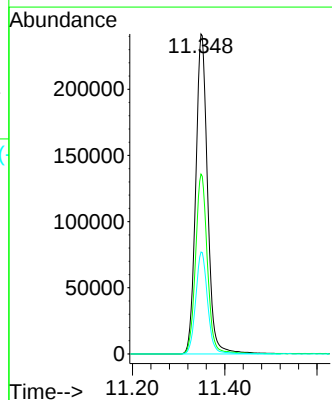
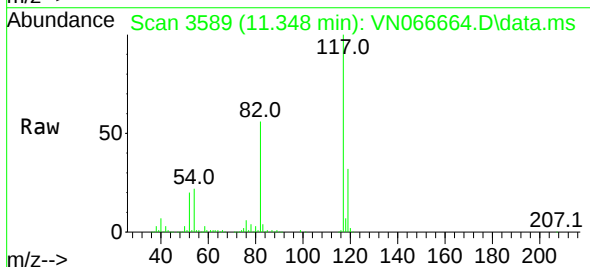
Instrument :
MSVOA_N
ClientSampleId :

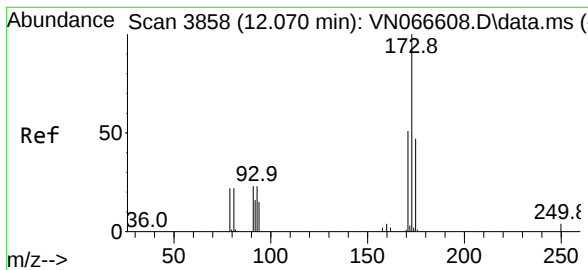
Tgt Ion: 95 Resp: 209779
Ion Ratio Lower Upper
95 100
174 83.6 0.0 169.0
176 82.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. -0.001 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Tgt Ion: 117 Resp: 431234
Ion Ratio Lower Upper
117 100
82 56.2 43.7 65.5
119 31.9 26.1 39.1

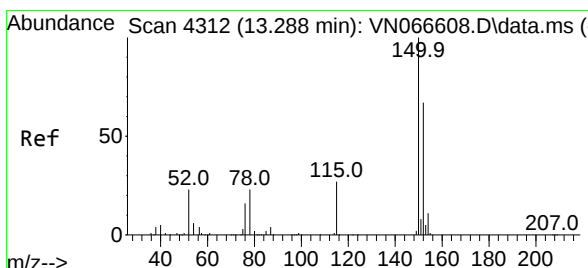
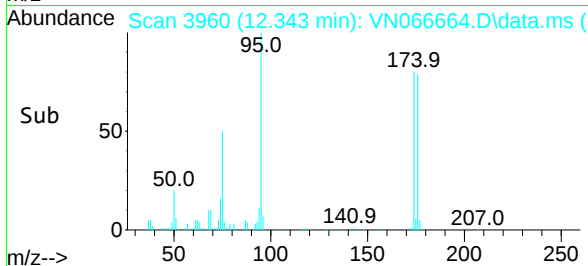
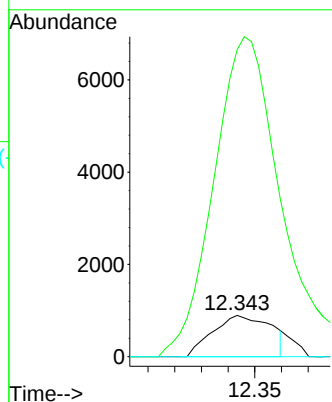
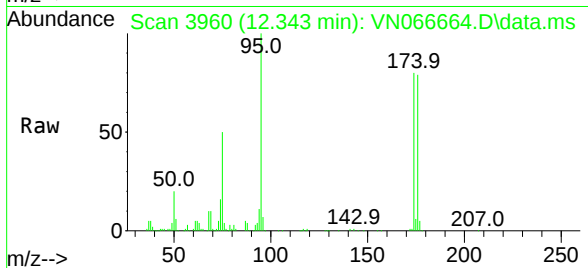




#71
Bromoform
Concen: 0.53 ug/l
RT: 12.343 min Scan# 3960
Delta R.T. 0.273 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

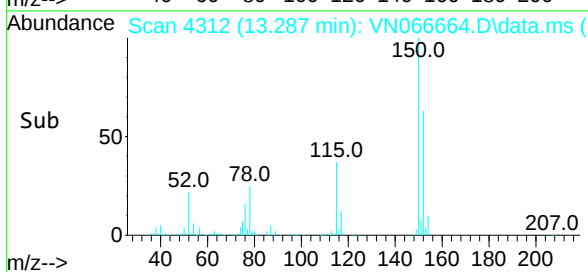
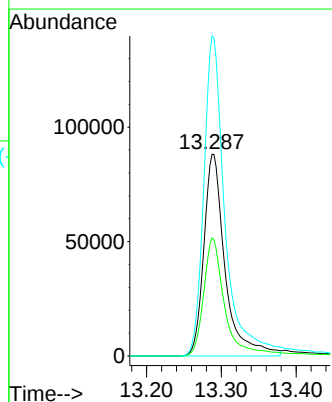
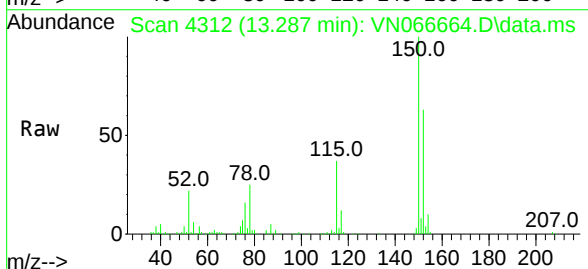
Instrument :
MSVOA_N
ClientSampleId :

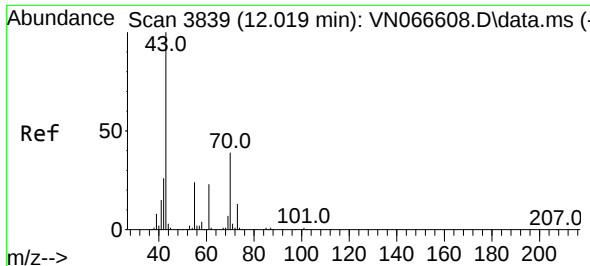
Tgt Ion:173 Resp: 1351
Ion Ratio Lower Upper
173 100
175 758.8 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.287 min Scan# 4312
Delta R.T. -0.001 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

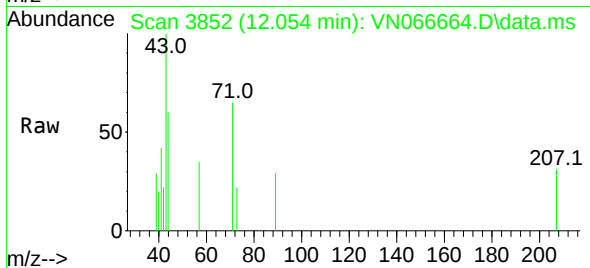
Tgt Ion:152 Resp: 174604
Ion Ratio Lower Upper
152 100
115 59.1 28.5 85.6
150 162.1 0.0 347.6





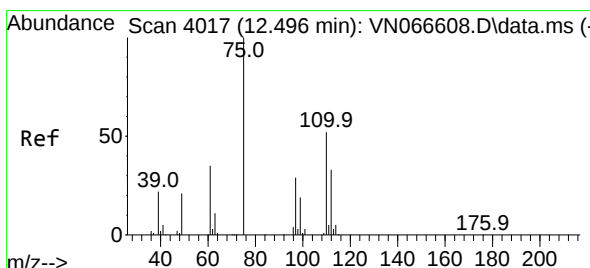
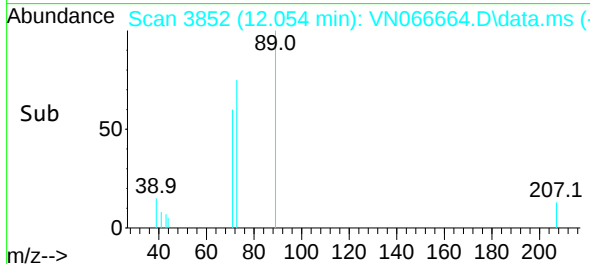
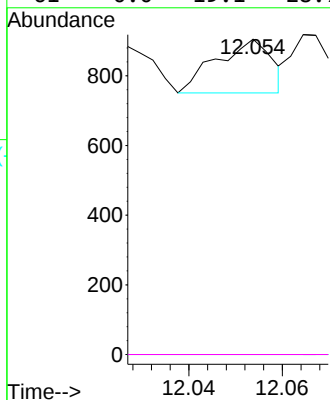
#74
N-amy1 acetate
Concen: 9.75 ug/l
RT: 12.054 min Scan# 3852
Delta R.T. 0.035 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 126

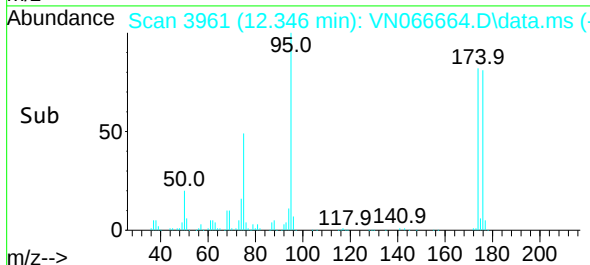
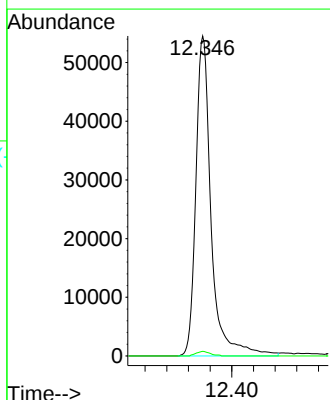
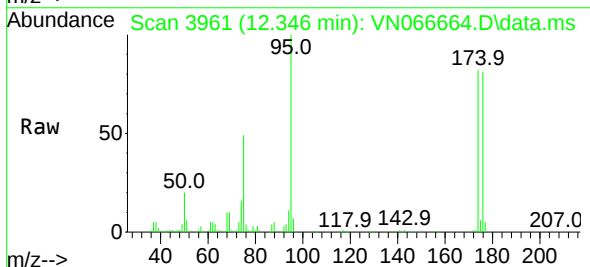
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	0.0	20.7	31.1#
61	0.0	19.1	28.7#

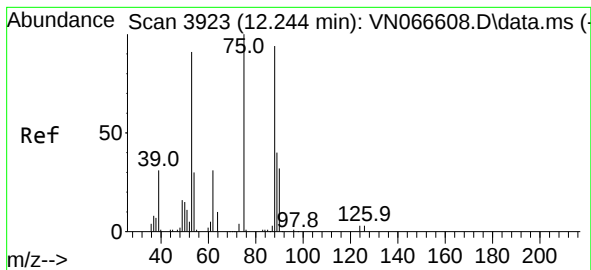


#76
1,2,3-Trichloropropane
Concen: 26.09 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066664.D
Acq: 19 Apr 2021 15:53

Tgt Ion: 75 Resp: 106514

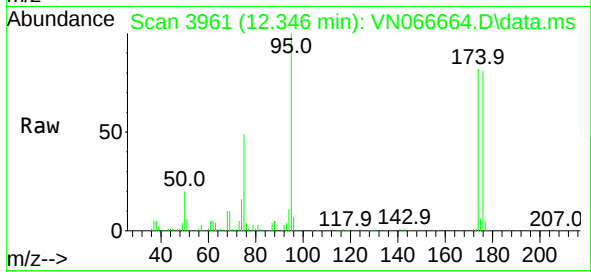
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.47 ug/l
 RT: 12.346 min Scan# 3961
 Delta R.T. 0.102 min
 Lab File: VN066664.D
 Acq: 19 Apr 2021 15:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 106514
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.1 35.8 53.8#

