

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042921\
 Data File : VN066893.D
 Acq On : 30 Apr 2021 4:29
 Operator : JC/MD
 Sample : PB136054ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 06:33:32 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)

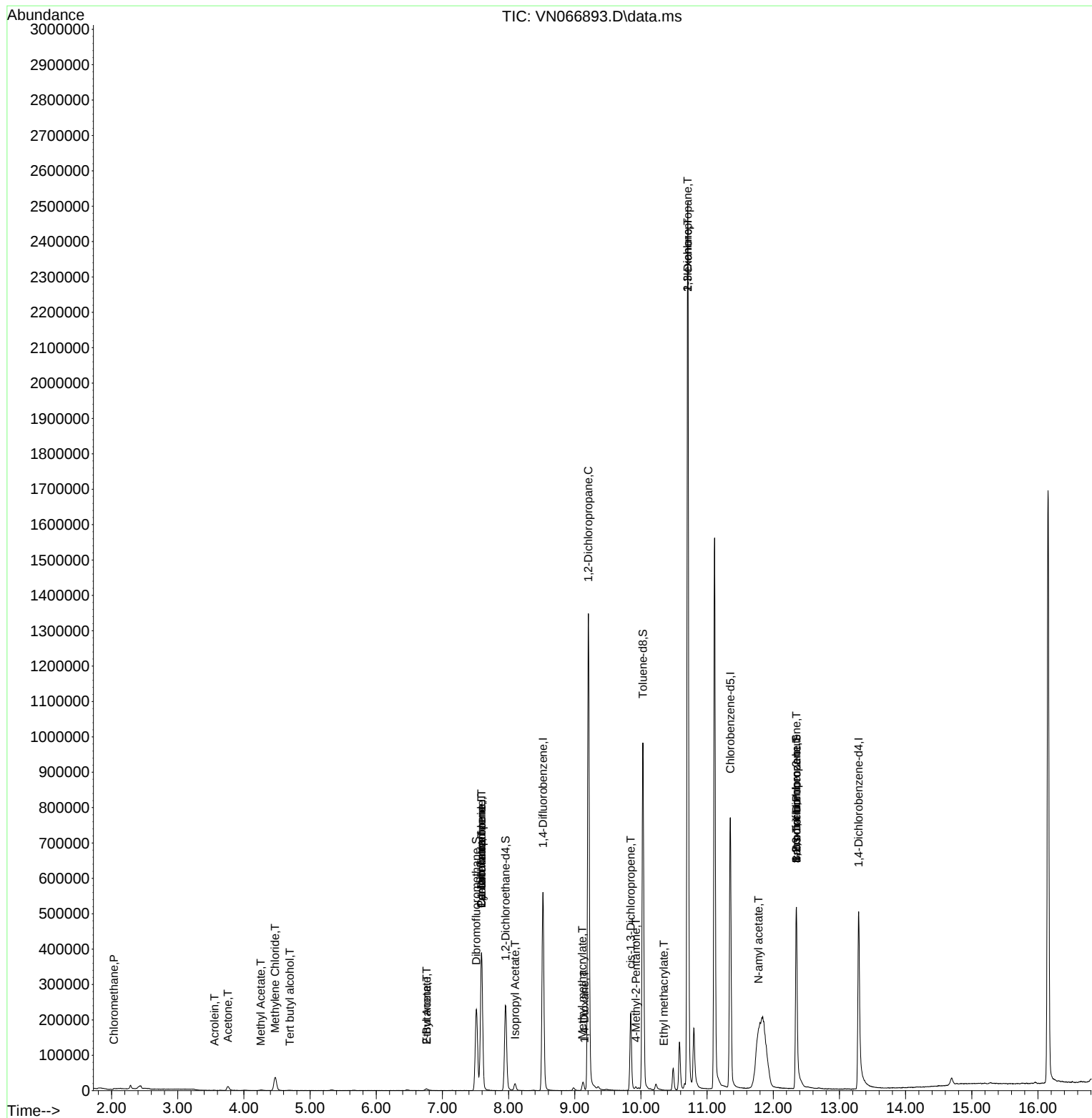
Internal Standards						
1) Pentafluorobenzene	7.591	168	352016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	534353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	497017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	201935	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	206407	45.64	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.28%		
35) Dibromofluoromethane	7.513	113	183935	55.76	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	111.52%		
50) Toluene-d8	10.029	98	715725	55.28	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	110.56%		
62) 4-Bromofluorobenzene	12.349	95	224266	51.19	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.38%		
Target Compounds					Qvalue	
3) Chloromethane	2.034	50	1158	0.23	ug/l	93
11) Tert butyl alcohol	4.695	59	187	0.27	ug/l #	73
13) Acrolein	3.555	56	484	0.83	ug/l #	59
16) Acetone	3.759	43	19618	11.50	ug/l	99
18) Methyl Acetate	4.255	43	3486	1.85	ug/l #	80
20) Methylene Chloride	4.472	84	30592	7.07	ug/l	99
25) 2-Butanone	6.760	43	8892	3.71	ug/l	100
31) Cyclohexane	7.591	56	5256	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	22245	4.48	ug/l #	48
37) Ethyl Acetate	6.760	43	8892	1.69	ug/l #	68
38) Carbon Tetrachloride	7.591	117	29901	6.28	ug/l #	17
43) Isopropyl Acetate	8.098	43	24168	2.88	ug/l #	91
45) 1,2-Dichloropropane	9.203	63	1709	0.42	ug/l #	44
48) Methyl methacrylate	9.114	41	5892	1.61	ug/l #	10
49) 1,4-Dioxane	9.147	88	51	0.93	ug/l #	26
51) 4-Methyl-2-Pentanone	9.924	43	3446	0.76	ug/l #	50
54) cis-1,3-Dichloropropene	9.847	75	44713	7.08	ug/l #	57
56) Ethyl methacrylate	10.345	69	222	3.20	ug/l #	27
57) 1,3-Dichloropropane	10.708	76	26602	4.37	ug/l #	43
59) 2-Hexanone	10.708	43	333039	105.21	ug/l #	53
71) Bromoform	12.349	173	1265	0.47	ug/l #	1
74) N-amyl acetate	11.778	43	33593	9.61	ug/l #	50
76) 1,2,3-Trichloropropane	12.349	75	100982	23.73	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	100982	63.97	ug/l #	12

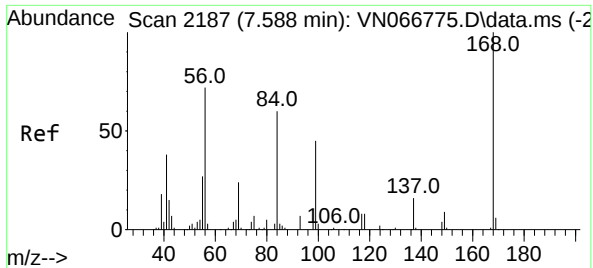
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

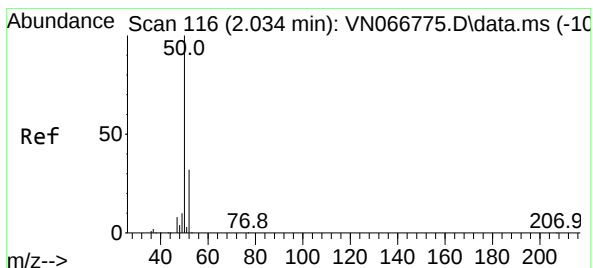
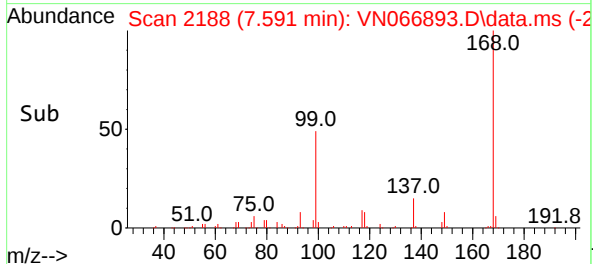
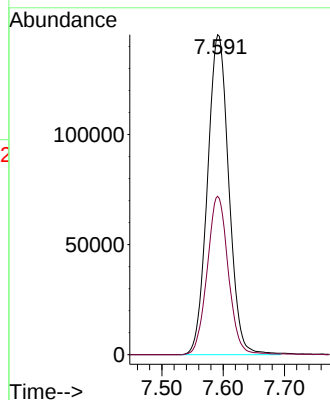
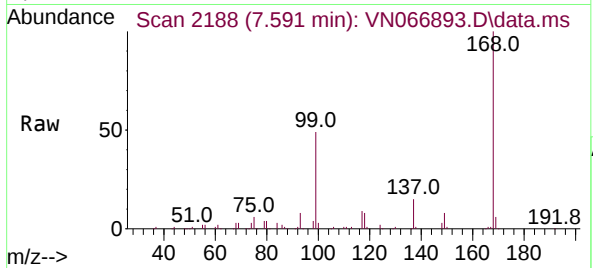




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

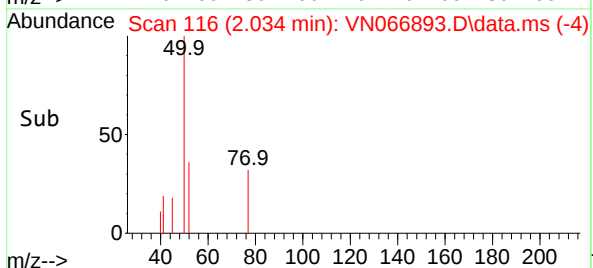
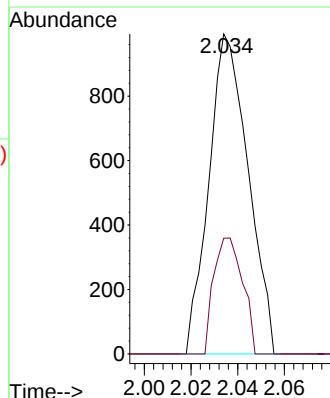
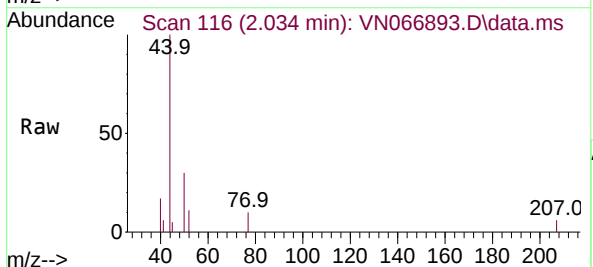
Instrument :
MSVOA_N
ClientSampled :

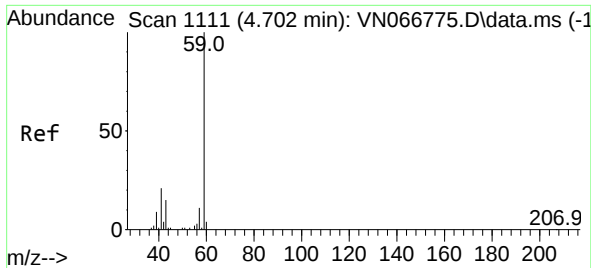
Tgt Ion:168 Resp: 352016
Ion Ratio Lower Upper
168 100
99 49.5 42.6 63.8



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.000 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Tgt Ion: 50 Resp: 1158
Ion Ratio Lower Upper
50 100
52 36.2 25.8 38.8



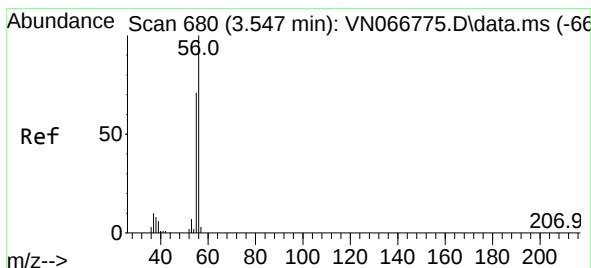
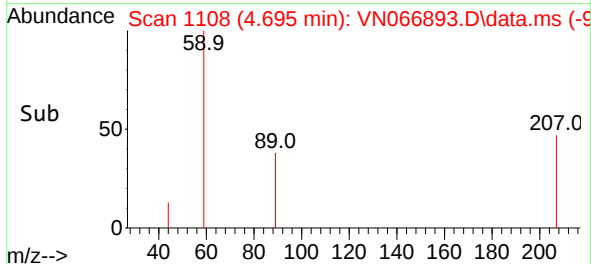
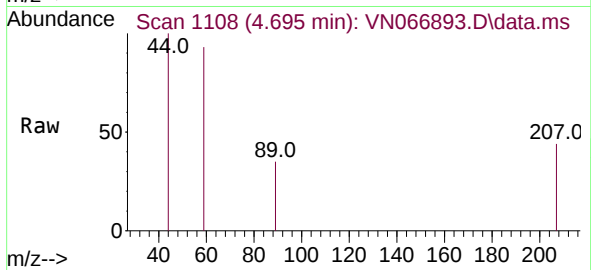


#11

Tert butyl alcohol
Concen: 0.27 ug/l
RT: 4.695 min Scan# 1108
Delta R.T. -0.007 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Instrument :
MSVOA_N
ClientSampled :

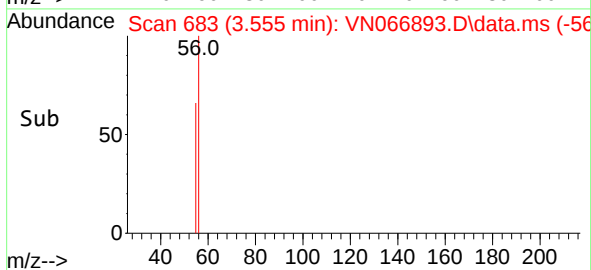
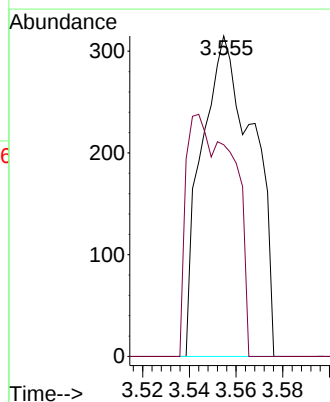
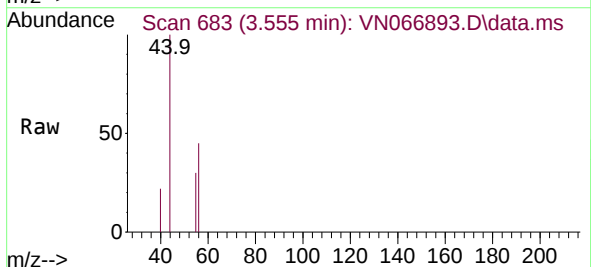
Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

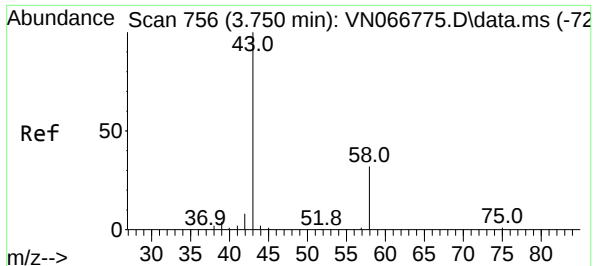


#13

Acrolein
Concen: 0.83 ug/l
RT: 3.555 min Scan# 683
Delta R.T. 0.008 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Tgt Ion: 56 Resp: 484
Ion Ratio Lower Upper
56 100
55 36.2 56.0 84.0#

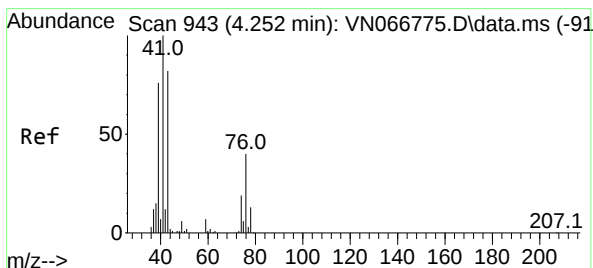
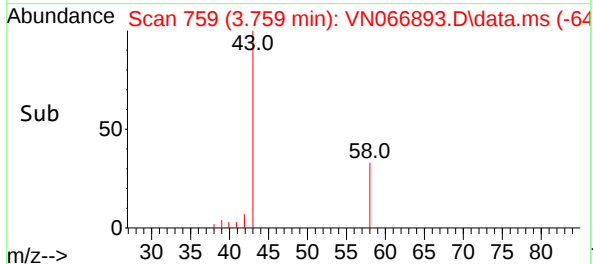
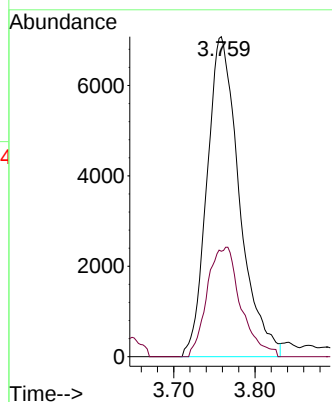
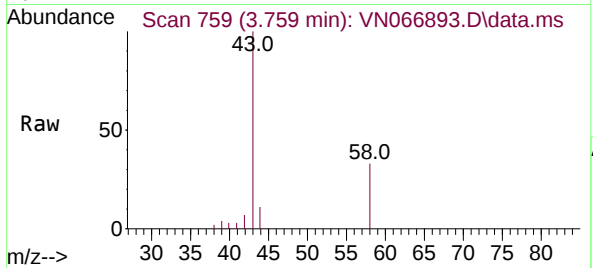




#16
Acetone
Concen: 11.50 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.009 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

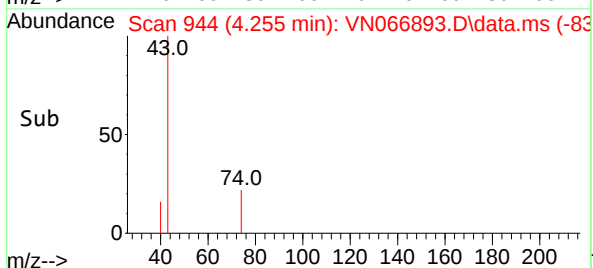
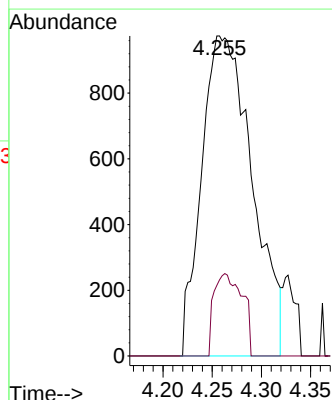
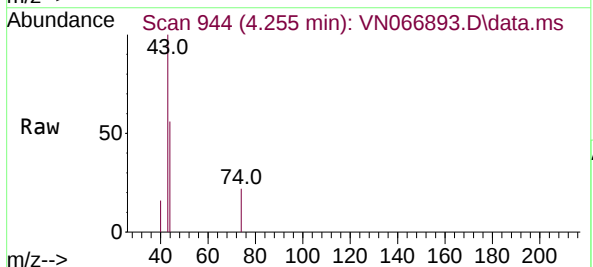
Instrument :
MSVOA_N
ClientSampled :

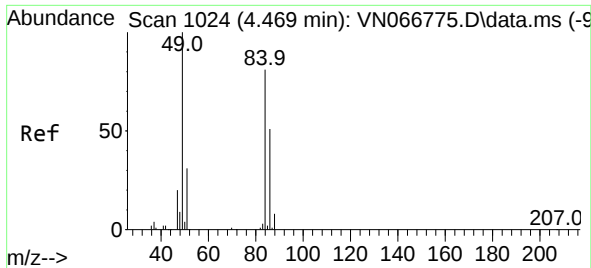
Tgt Ion: 43 Resp: 19618
Ion Ratio Lower Upper
43 100
58 33.0 27.0 40.6



#18
Methyl Acetate
Concen: 1.85 ug/l
RT: 4.255 min Scan# 944
Delta R.T. 0.003 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

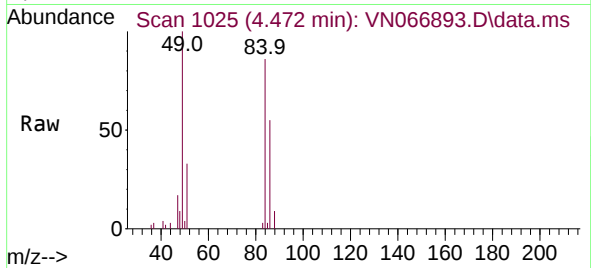
Tgt Ion: 43 Resp: 3486
Ion Ratio Lower Upper
43 100
74 14.5 19.5 29.3#



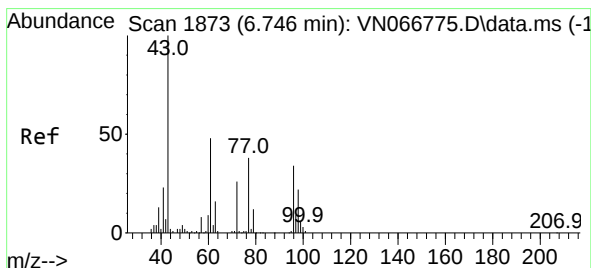
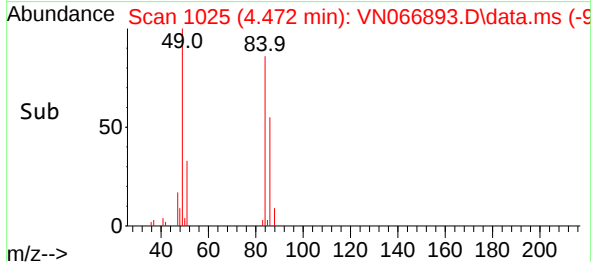
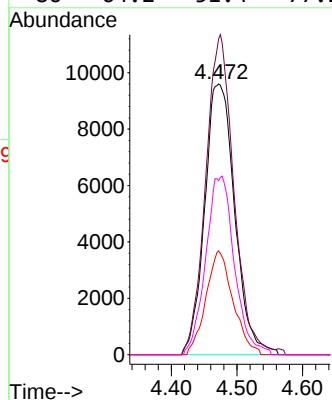


#20
Methylene Chloride
Concen: 7.07 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.003 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Instrument :
MSVOA_N
ClientSampled :

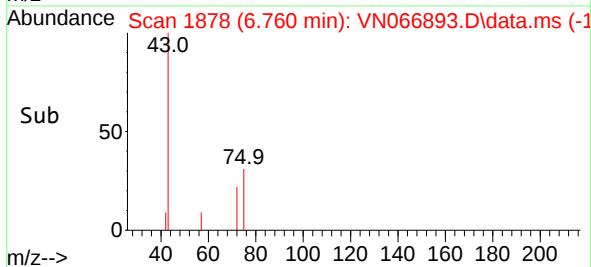
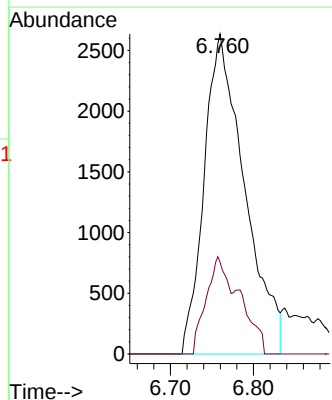
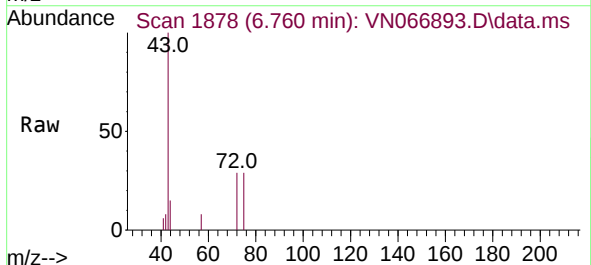


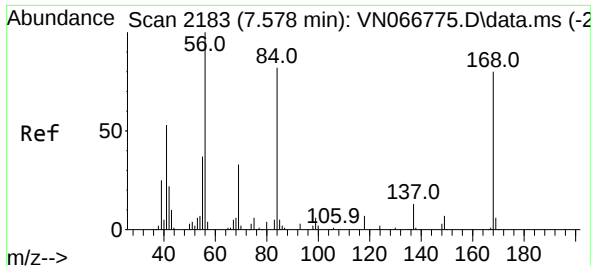
Tgt Ion:	84	Resp:	30592
Ion	Ratio	Lower	Upper
84	100		
49	116.6	94.6	141.8
51	38.3	29.9	44.9
86	64.2	51.4	77.2



#25
2-Butanone
Concen: 3.71 ug/l
RT: 6.760 min Scan# 1878
Delta R.T. 0.014 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Tgt Ion:	43	Resp:	8892
Ion	Ratio	Lower	Upper
43	100		
72	28.7	23.1	34.7

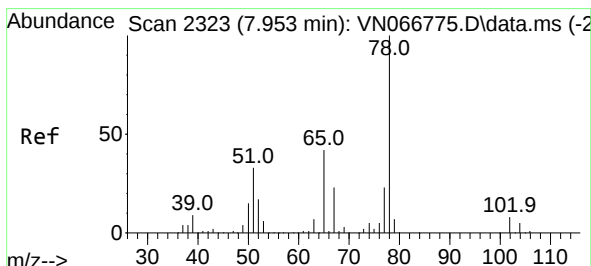
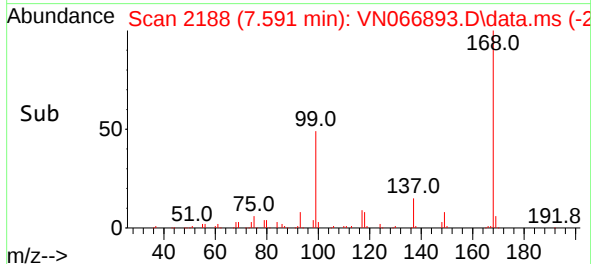
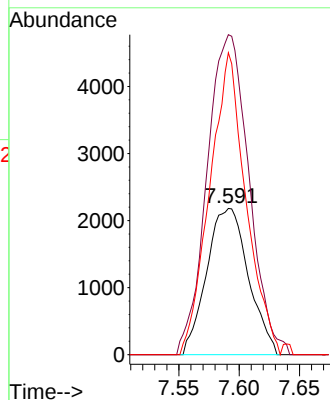
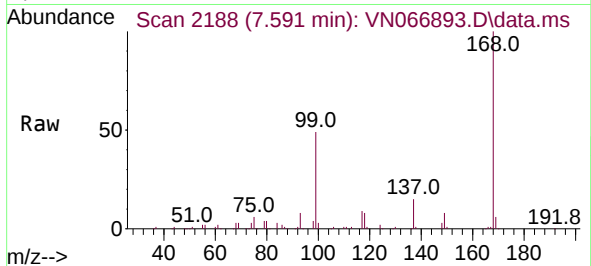




#31
Cyclohexane
Concen: 0.75 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

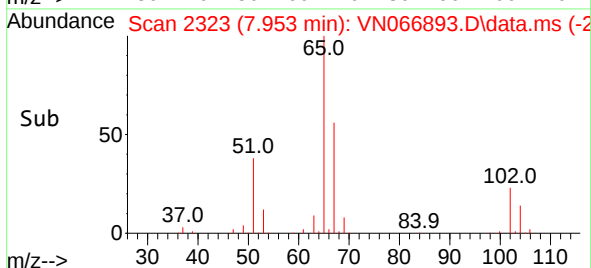
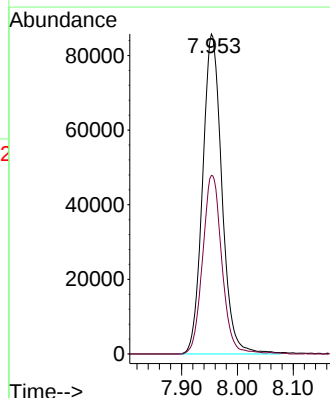
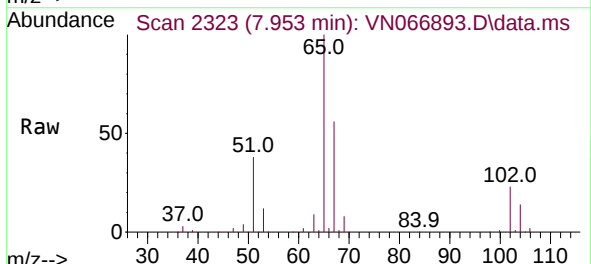
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MSVOA_N
ClientSampled :

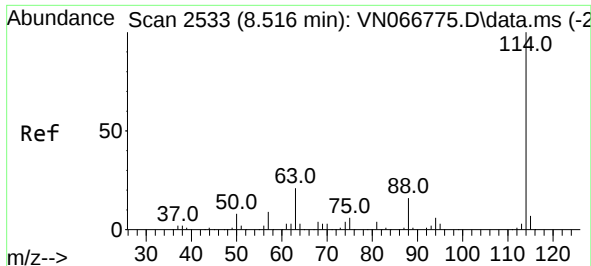
Tgt Ion: 56 Resp: 5256
Ion Ratio Lower Upper
56 100
69 209.4 26.6 39.8#
84 206.4 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 45.64 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Tgt Ion: 65 Resp: 206407
Ion Ratio Lower Upper
65 100
67 55.5 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: VN066893.D

Acq: 30 Apr 2021 4:29

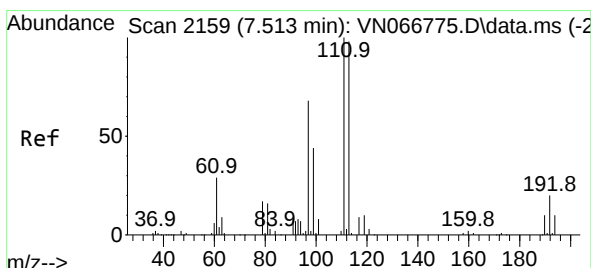
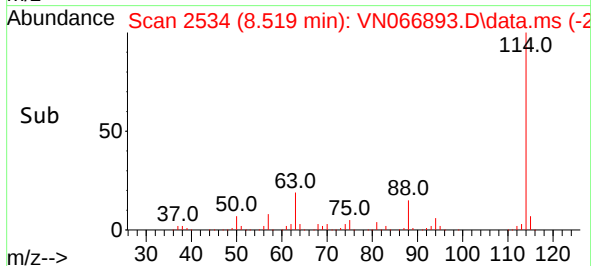
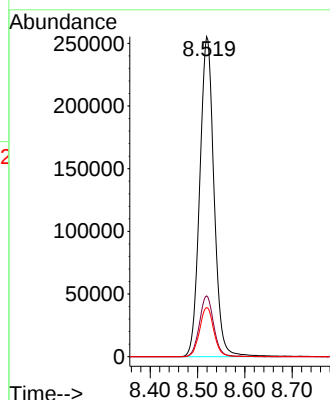
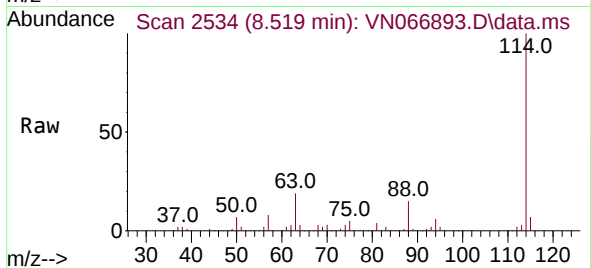
Tgt Ion:114 Resp: 534353

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.76 ug/l

RT: 7.513 min Scan# 2159

Delta R.T. 0.000 min

Lab File: VN066893.D

Acq: 30 Apr 2021 4:29

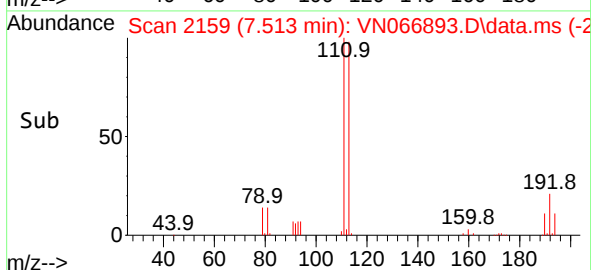
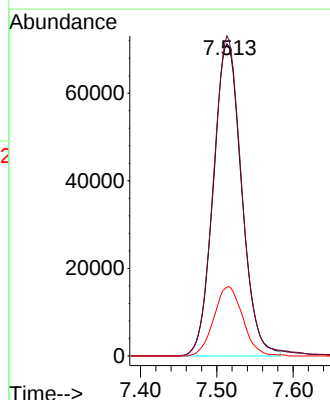
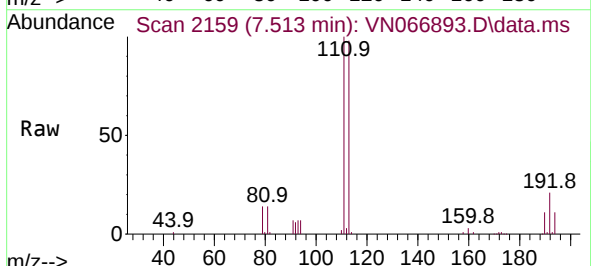
Tgt Ion:113 Resp: 183935

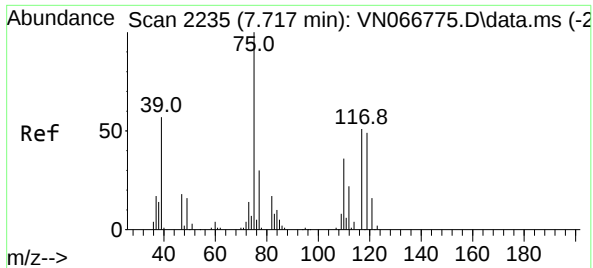
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

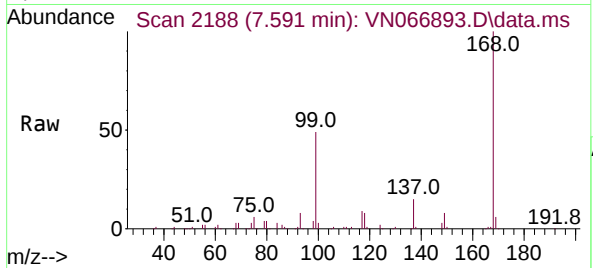
192 22.7 15.4 23.0



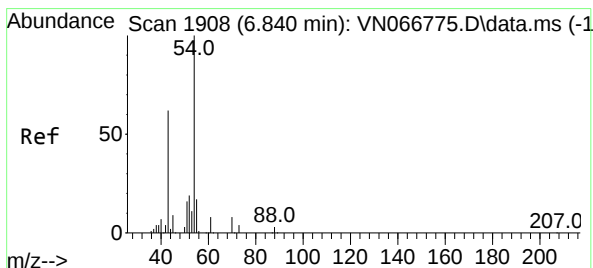
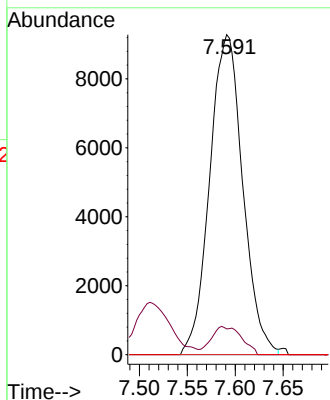
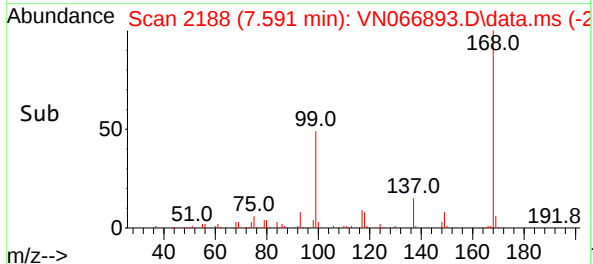


#36
 1,1-Dichloropropene
 Concen: 4.48 ug/l
 RT: 7.591 min Scan# 2188
 Delta R.T. -0.126 min
 Lab File: VN066893.D
 Acq: 30 Apr 2021 4:29

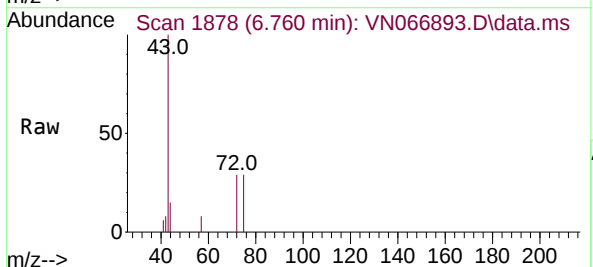
Instrument :
 MSVOA_N
 ClientSampled :



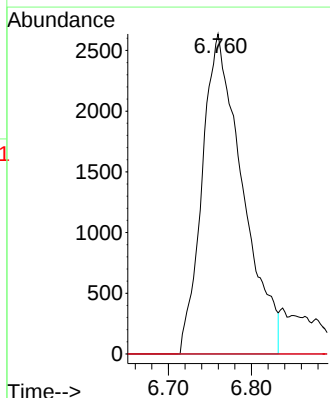
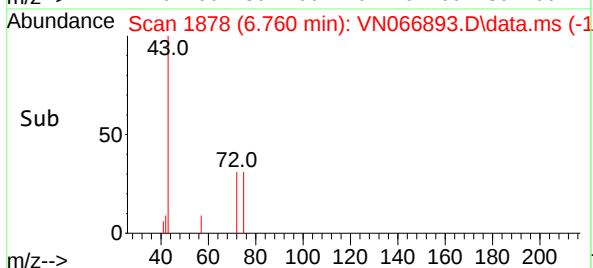
Tgt Ion: 75 Resp: 22245
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.2 54.6#
 77 0.0 24.9 37.3#

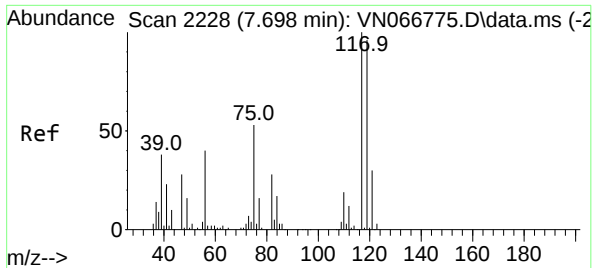


#37
 Ethyl Acetate
 Concen: 1.69 ug/l
 RT: 6.760 min Scan# 1878
 Delta R.T. -0.080 min
 Lab File: VN066893.D
 Acq: 30 Apr 2021 4:29



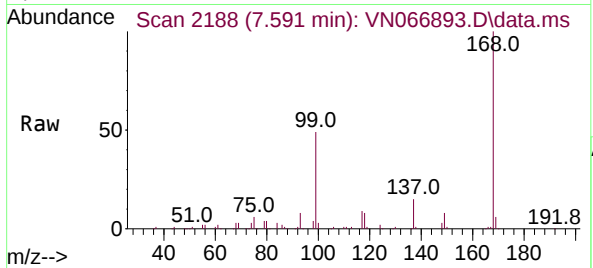
Tgt Ion: 43 Resp: 8892
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.6 17.4#
 70 0.0 8.6 13.0#



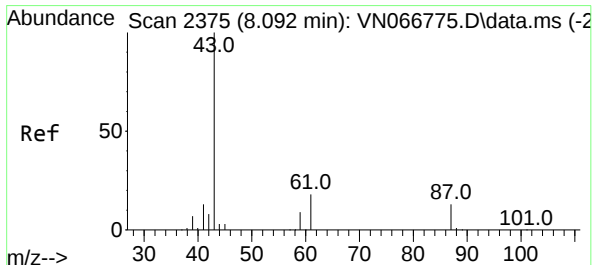
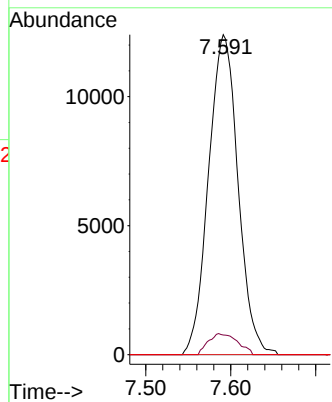
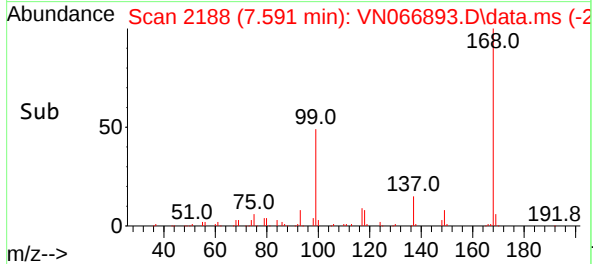


#38
Carbon Tetrachloride
Concen: 6.28 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

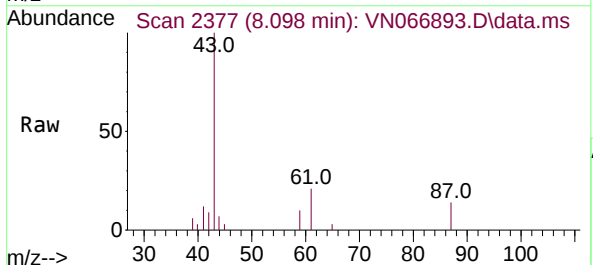
Instrument :
MSVOA_N
ClientSampled :



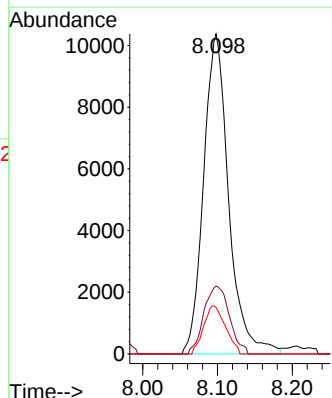
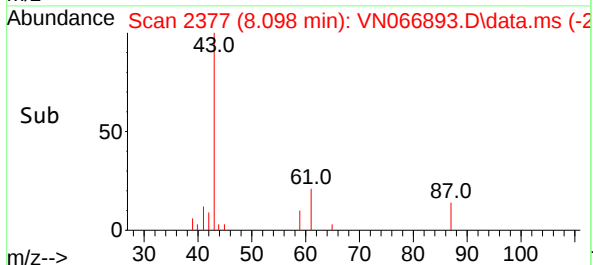
Tgt Ion:117 Resp: 29901
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.5 36.7#

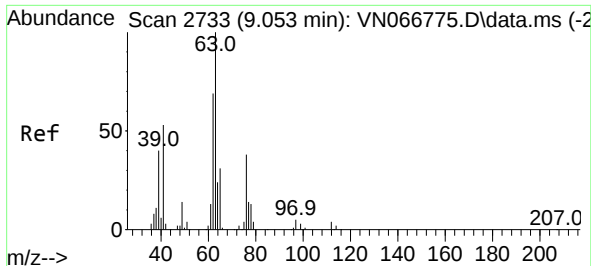


#43
Isopropyl Acetate
Concen: 2.88 ug/l
RT: 8.098 min Scan# 2377
Delta R.T. 0.006 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29



Tgt Ion: 43 Resp: 24168
Ion Ratio Lower Upper
43 100
61 21.6 22.5 33.7#
87 13.1 11.1 16.7

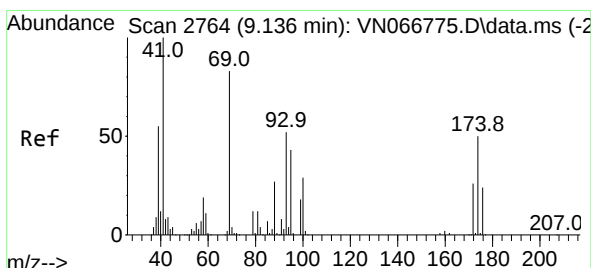
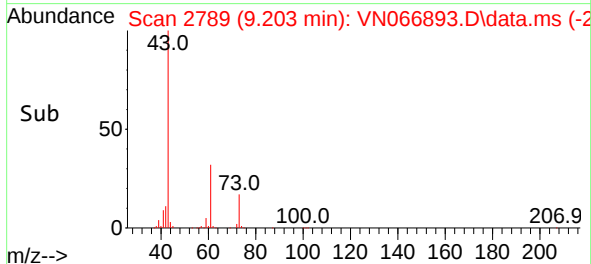
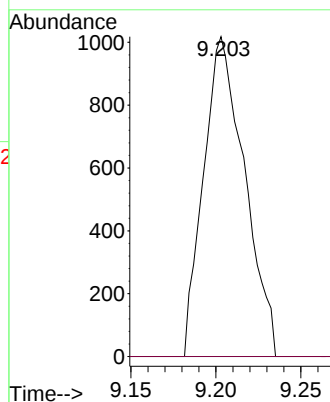
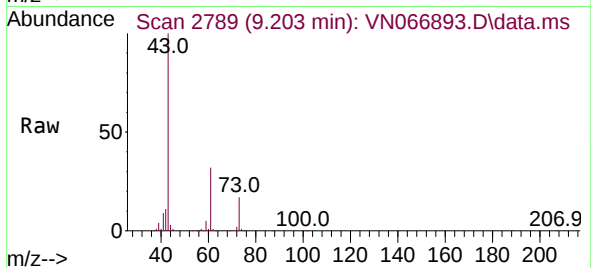




#45
1,2-Dichloropropane
Concen: 0.42 ug/l
RT: 9.203 min Scan# 2789
Delta R.T. 0.150 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

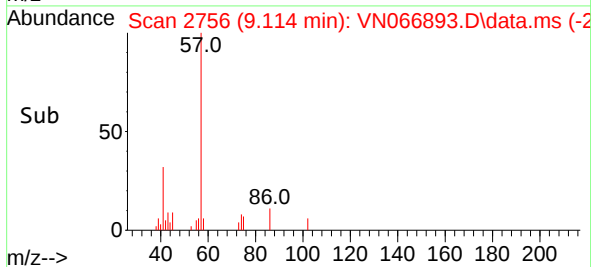
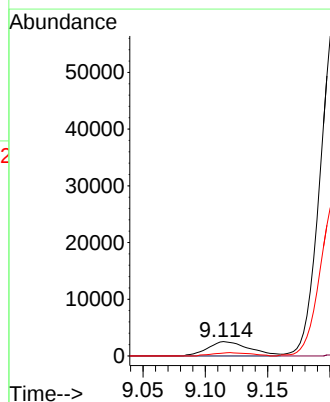
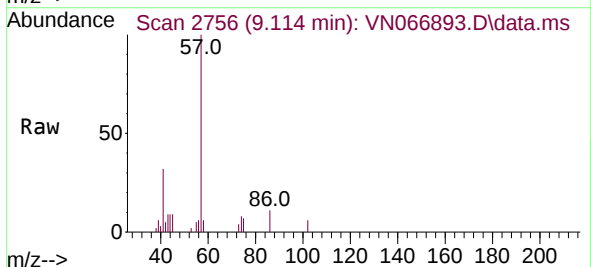
Instrument :
MSVOA_N
ClientSampled :

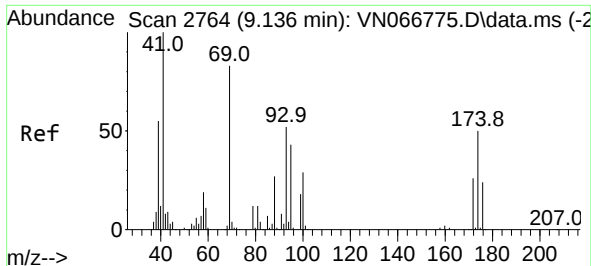
Tgt Ion: 63 Resp: 1709
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.61 ug/l
RT: 9.114 min Scan# 2756
Delta R.T. -0.022 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Tgt Ion: 41 Resp: 5892
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: 0.93 ug/l

RT: 9.147 min Scan# 2768

Delta R.T. 0.011 min

Lab File: VN066893.D

Acq: 30 Apr 2021 4:29

Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

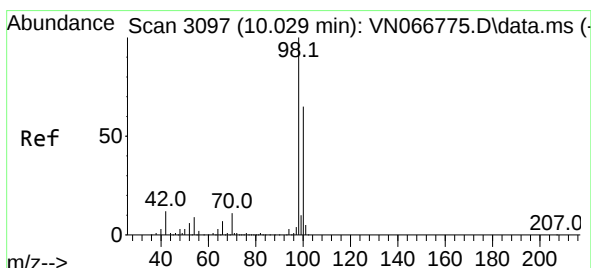
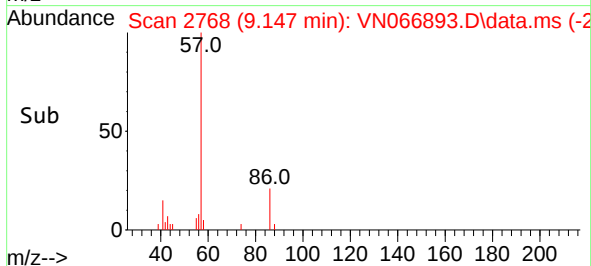
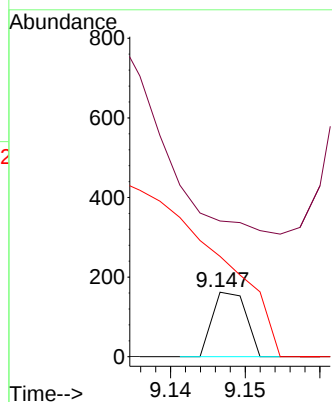
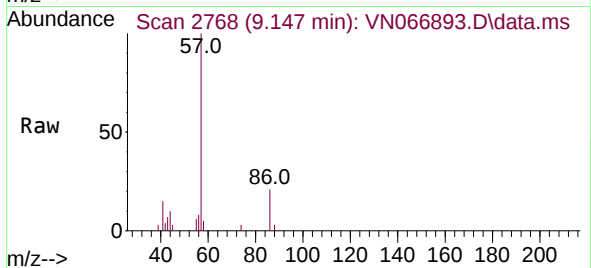
43 0.0 24.7 37.1#

58 0.0 52.6 78.8#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 55.28 ug/l

RT: 10.029 min Scan# 3097

Delta R.T. -0.000 min

Lab File: VN066893.D

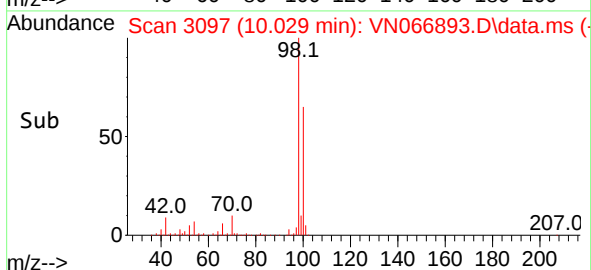
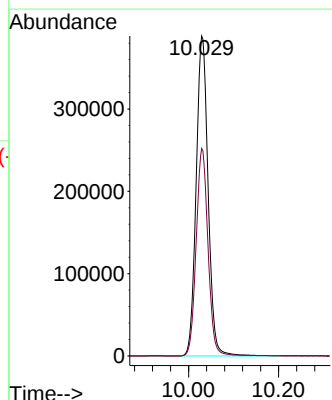
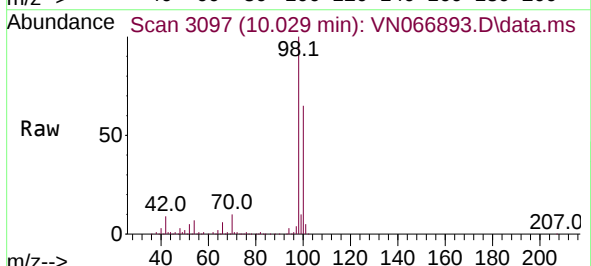
Acq: 30 Apr 2021 4:29

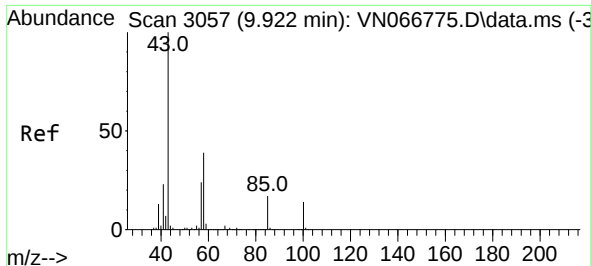
Tgt Ion: 98 Resp: 715725

Ion Ratio Lower Upper

98 100

100 64.2 50.5 75.7

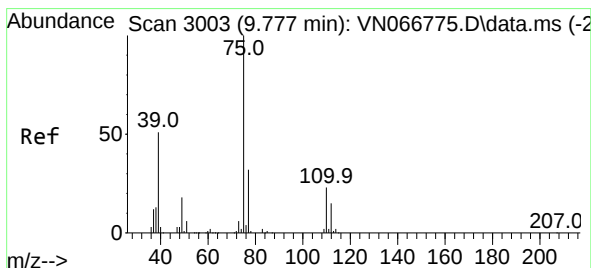
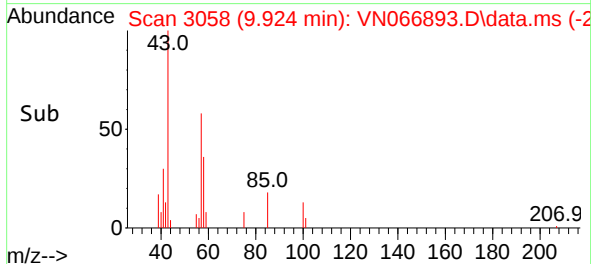
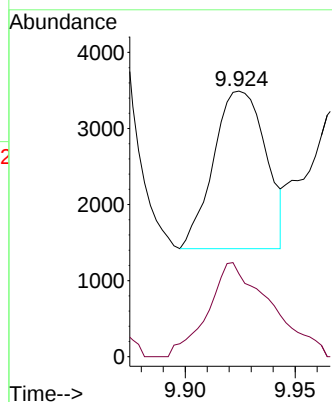
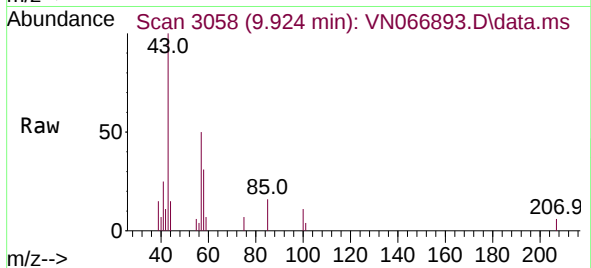




#51
4-Methyl-2-Pentanone
Concen: 0.76 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

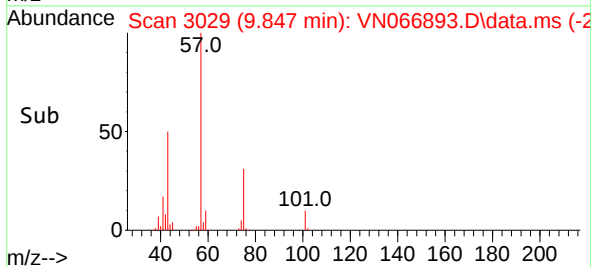
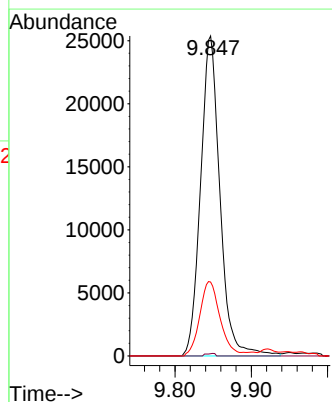
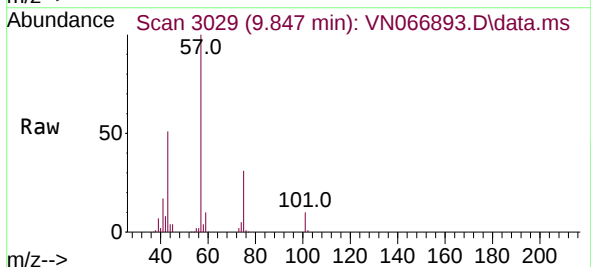
Instrument :
MSVOA_N
ClientSampled :

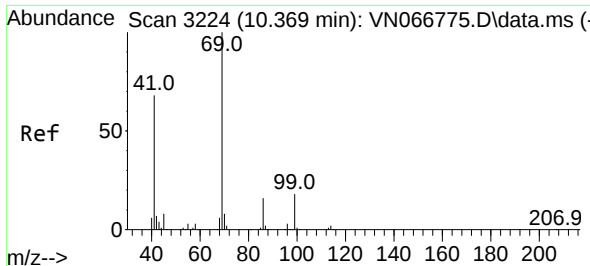
Tgt Ion: 43 Resp: 3446
Ion Ratio Lower Upper
43 100
58 71.7 32.5 48.7#



#54
cis-1,3-Dichloropropene
Concen: 7.08 ug/l
RT: 9.847 min Scan# 3029
Delta R.T. 0.070 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

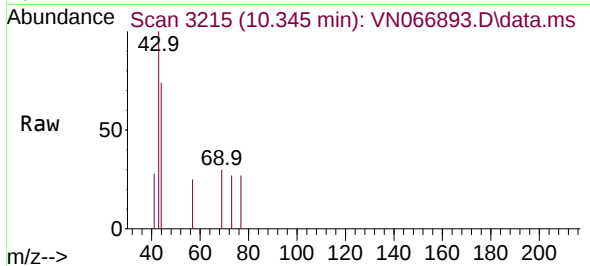
Tgt Ion: 75 Resp: 44713
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 23.1 36.2 54.4#



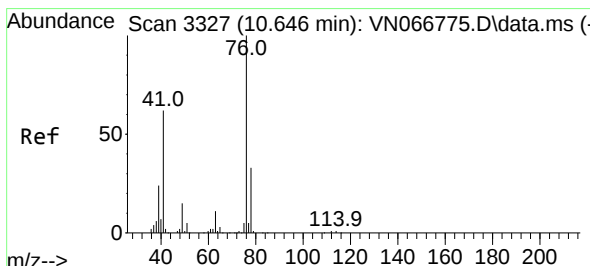
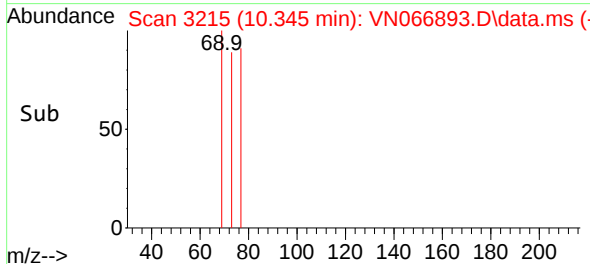
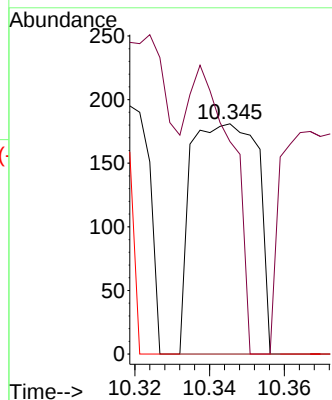


#56
Ethyl methacrylate
Concen: 3.20 ug/l
RT: 10.345 min Scan# 3215
Delta R.T. -0.024 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Instrument :
MSVOA_N
ClientSampled :

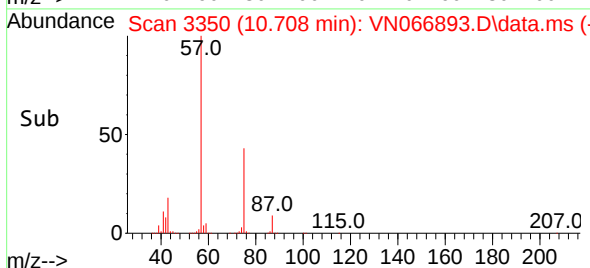
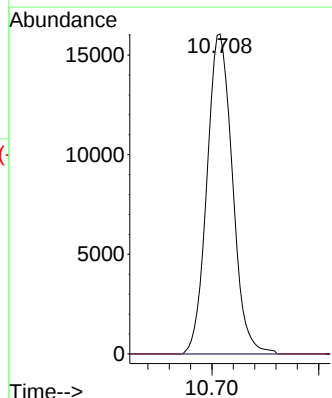
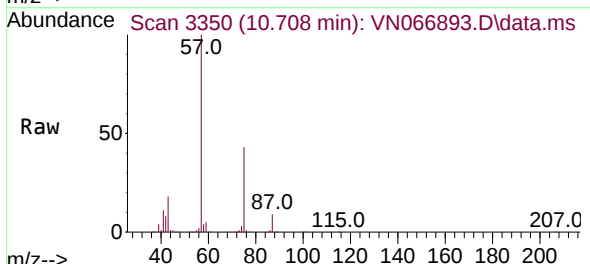


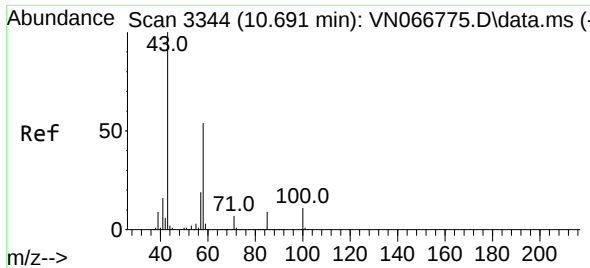
Tgt Ion: 69 Resp: 222
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.37 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.062 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Tgt Ion: 76 Resp: 26602
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

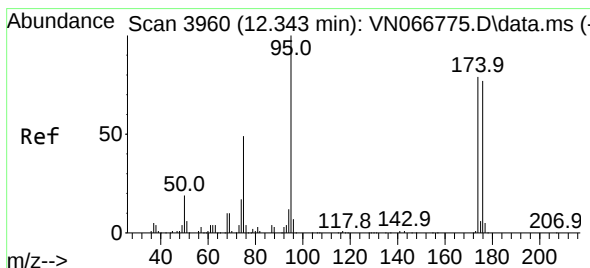
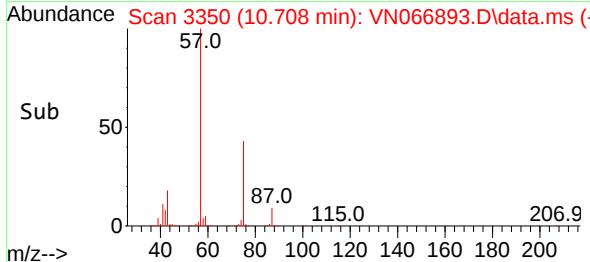
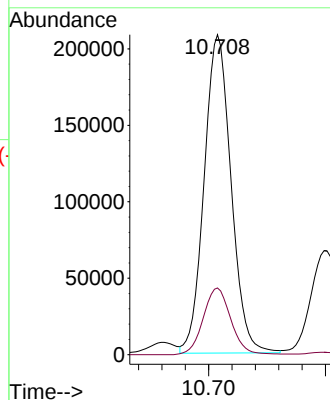
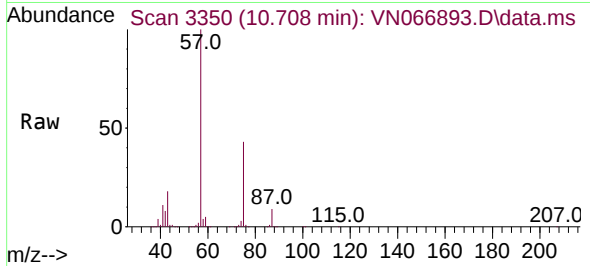




#59
2-Hexanone
Concen: 105.21 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.017 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

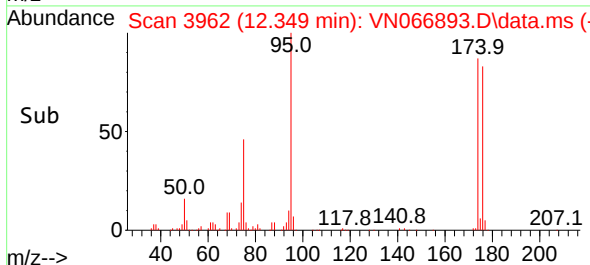
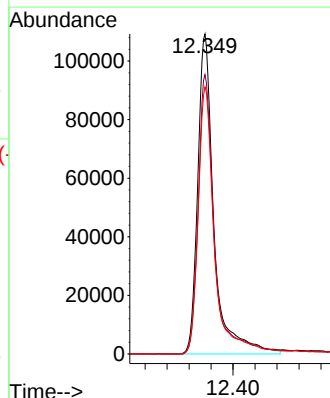
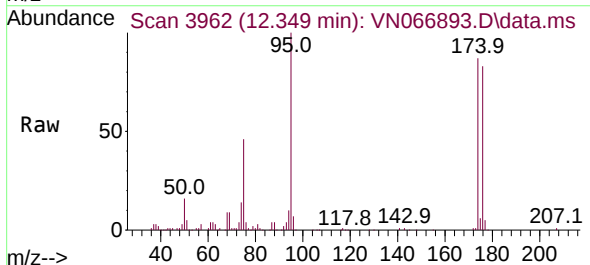
Instrument :
MSVOA_N
ClientSampled :

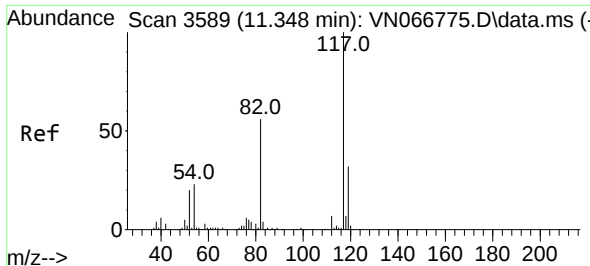
Tgt Ion: 43 Resp: 333039
Ion Ratio Lower Upper
43 100
58 21.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 51.19 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Tgt Ion: 95 Resp: 224266
Ion Ratio Lower Upper
95 100
174 87.4 0.0 169.0
176 84.0 0.0 162.4

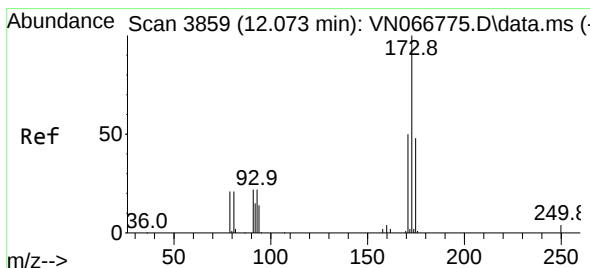
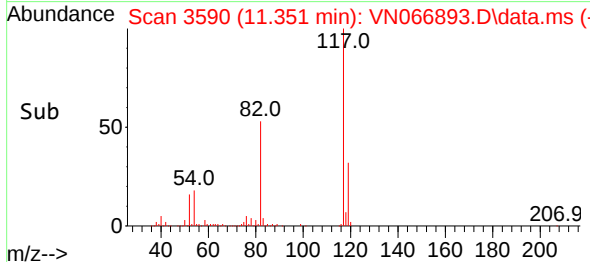
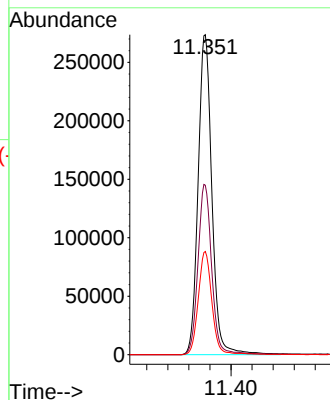
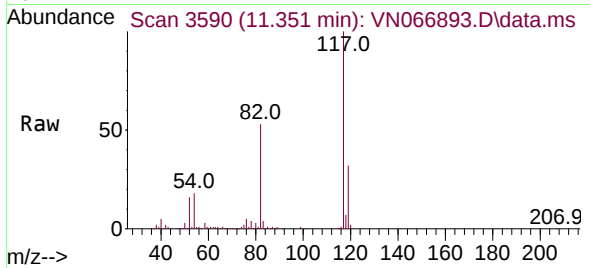




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

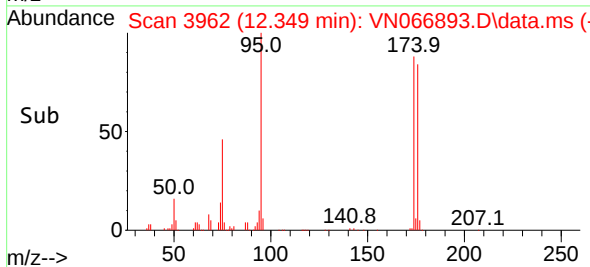
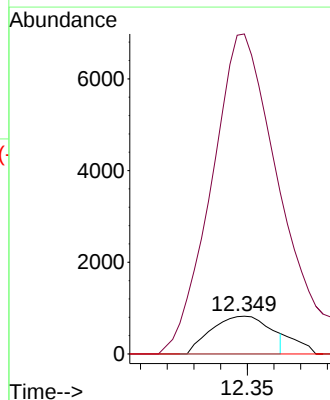
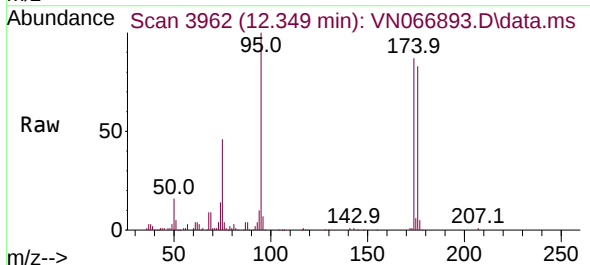
Instrument :
MSVOA_N
ClientSampled :

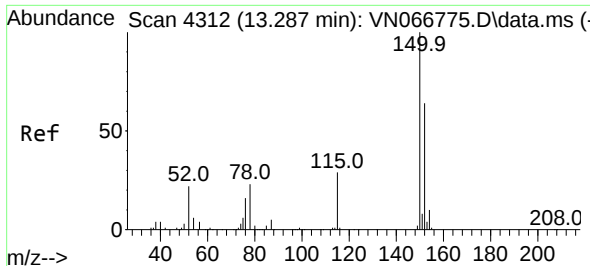
Tgt Ion:117 Resp: 497017
Ion Ratio Lower Upper
117 100
82 52.9 43.7 65.5
119 32.3 26.1 39.1



#71
Bromoform
Concen: 0.47 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Tgt Ion:173 Resp: 1265
Ion Ratio Lower Upper
173 100
175 830.2 23.8 71.2#
254 0.0 0.0 0.0

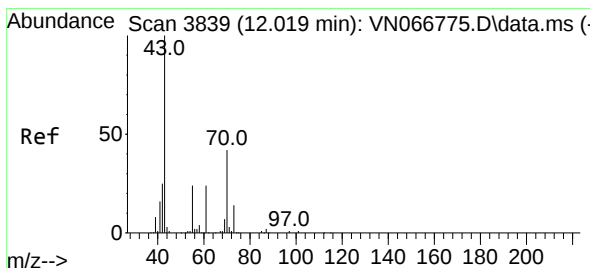
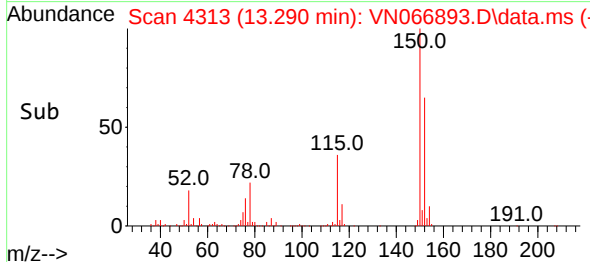
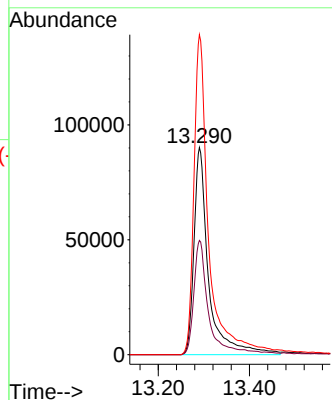
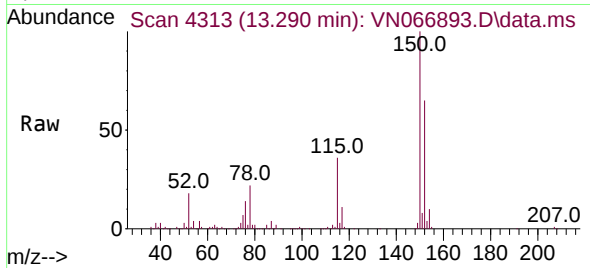




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

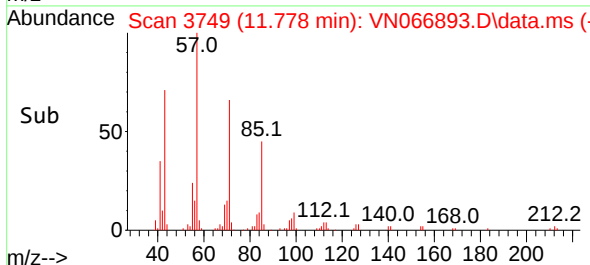
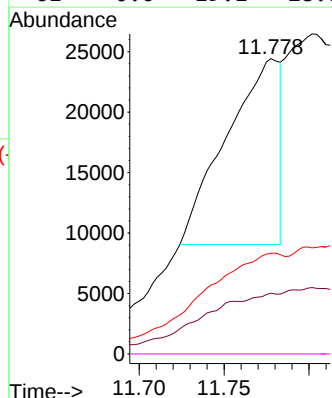
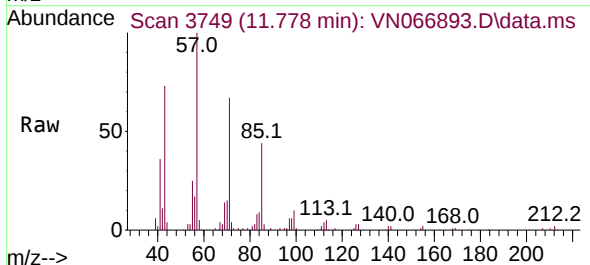
Instrument :
MSVOA_N
ClientSampleId :

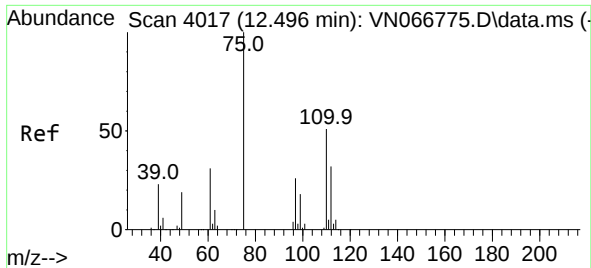
Tgt Ion:152 Resp: 201935
Ion Ratio Lower Upper
152 100
115 55.0 28.5 85.6
150 154.9 0.0 347.6



#74
N-ethyl acetate
Concen: 9.61 ug/l
RT: 11.778 min Scan# 3749
Delta R.T. -0.241 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Tgt Ion: 43 Resp: 33593
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 37.2 20.7 31.1#
61 0.0 19.1 28.7#

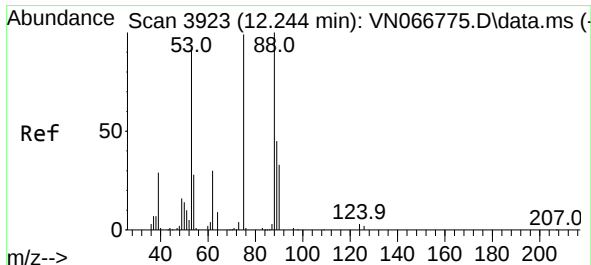
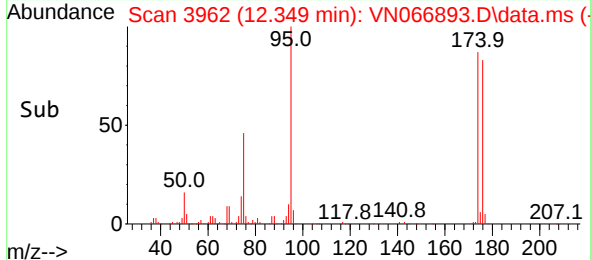
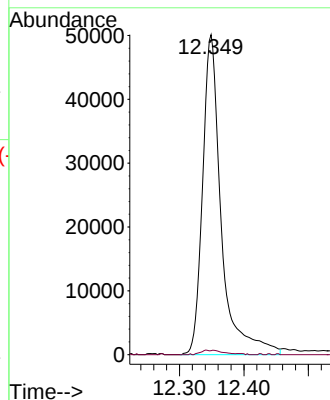
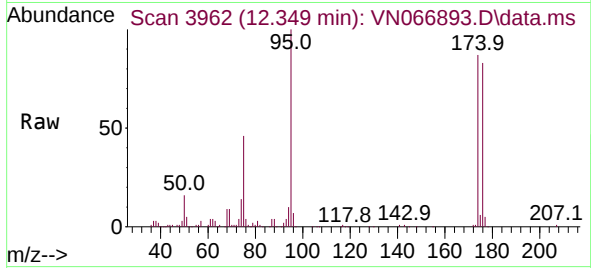




#76
1,2,3-Trichloropropane
Concen: 23.73 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 100982
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.97 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066893.D
Acq: 30 Apr 2021 4:29

Tgt Ion: 75 Resp: 100982
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.2 35.8 53.8#

