

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031821\
 Data File : VN066256.D
 Acq On : 18 Mar 2021 15:28
 Operator : JC/MD
 Sample : PB135215ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 04:26:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 05:05:15 2021
 Response via : Initial Calibration

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

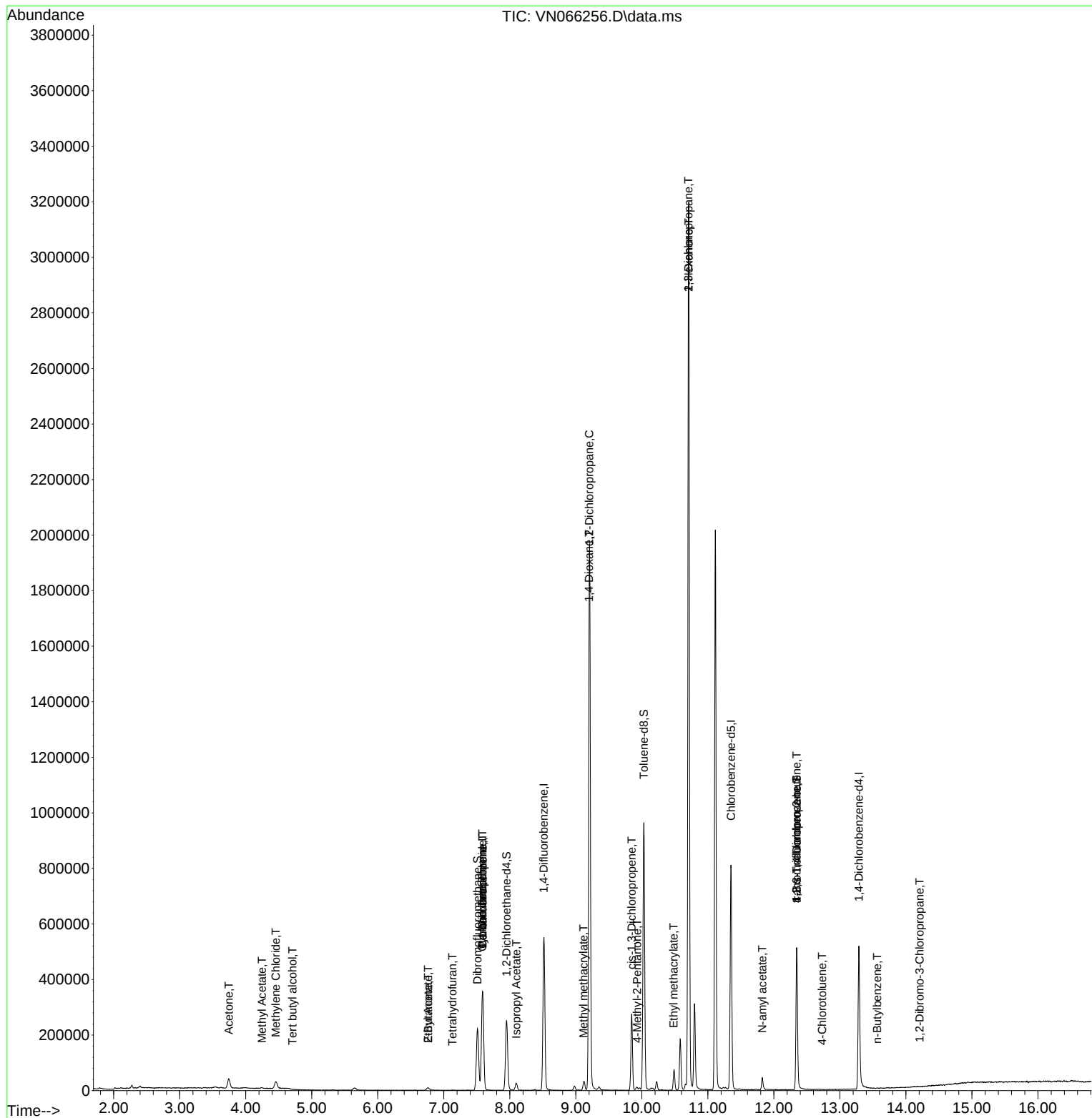
Internal Standards						
1) Pentafluorobenzene	7.590	168	320043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	487464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	460222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	151734	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	210833	45.72	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.44%		
35) Dibromofluoromethane	7.510	113	170062	54.69	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.38%		
50) Toluene-d8	10.028	98	662146	55.07	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	110.14%		
62) 4-Bromofluorobenzene	12.345	95	170339	39.30	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	78.60%#		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.707	59	525	0.67	ug/l #	73
13) Acrolein	3.527	56	1348	Below Cal	#	1
16) Acetone	3.741	43	55064	24.86	ug/l	98
18) Methyl Acetate	4.246	43	5749	0.93	ug/l	98
20) Methylene Chloride	4.455	84	15813	4.56	ug/l	84
25) 2-Butanone	6.761	43	8078	2.35	ug/l #	79
29) Tetrahydrofuran	7.131	42	639	0.27	ug/l #	55
31) Cyclohexane	7.582	56	5110	0.74	ug/l #	1
36) 1,1-Dichloropropene	7.585	75	19936	4.04	ug/l #	48
37) Ethyl Acetate	6.761	43	8078	1.14	ug/l #	77
38) Carbon Tetrachloride	7.585	117	27407	6.19	ug/l #	19
43) Isopropyl Acetate	8.097	43	30181	2.77	ug/l #	93
45) 1,2-Dichloropropane	9.202	63	2343	0.55	ug/l #	44
48) Methyl methacrylate	9.116	41	8746	1.69	ug/l #	21
49) 1,4-Dioxane	9.199	88	176	3.14	ug/l #	1
51) 4-Methyl-2-Pentanone	9.929	43	8666	1.31	ug/l	98
54) cis-1,3-Dichloropropene	9.845	75	47871	7.48	ug/l #	54
56) Ethyl methacrylate	10.481	69	379	2.22	ug/l #	1
57) 1,3-Dichloropropane	10.706	76	30811	4.85	ug/l #	43
59) 2-Hexanone	10.709	43	457311	89.57	ug/l #	57
74) N-amyl acetate	11.825	43	15325	4.64	ug/l #	60
76) 1,2,3-Trichloropropane	12.345	75	87962	22.45	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.345	75	87962	67.18	ug/l #	11
82) 4-Chlorotoluene	12.731	91	26	0.47	ug/l #	43
89) n-Butylbenzene	13.563	91	24	2.24	ug/l #	34
92) 1,2-Dibromo-3-Chloropr...	14.206	75	151	1.01	ug/l #	8

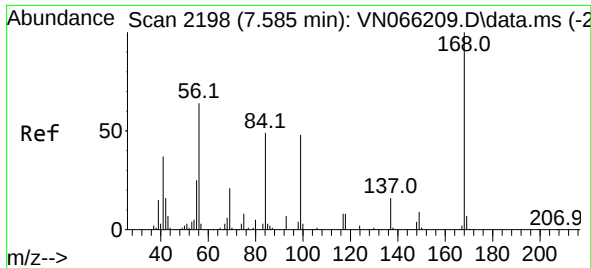
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

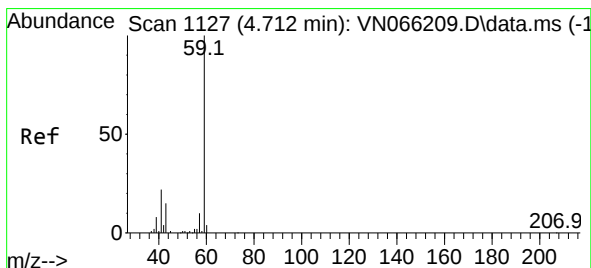
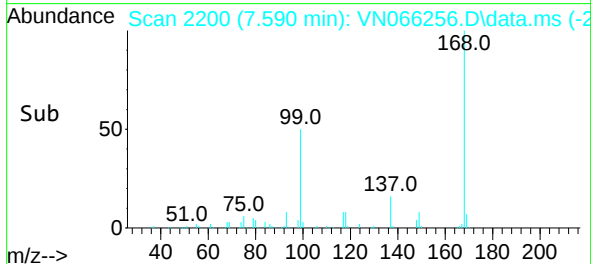
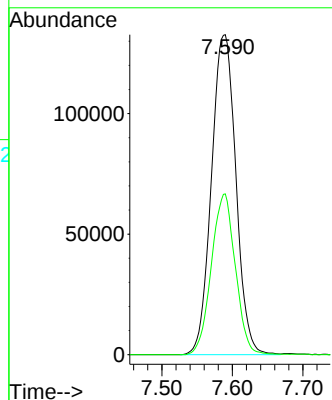
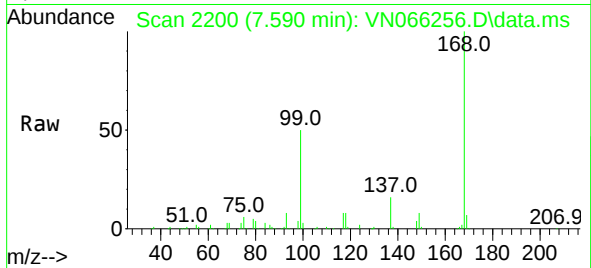




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.590 min Scan# 2200
Delta R.T. 0.005 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

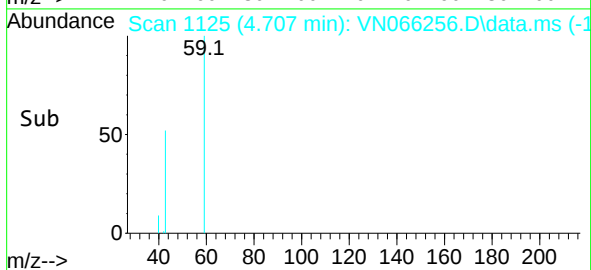
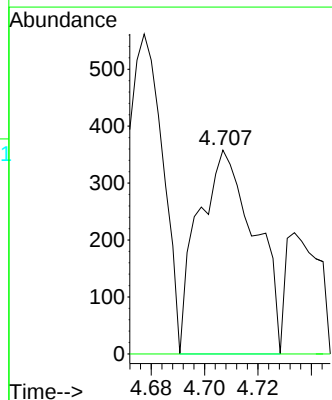
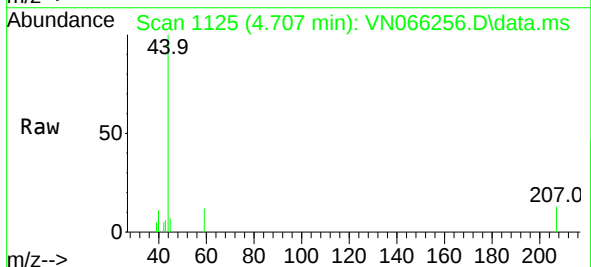
Instrument :
MSVOA_N
ClientSampled :

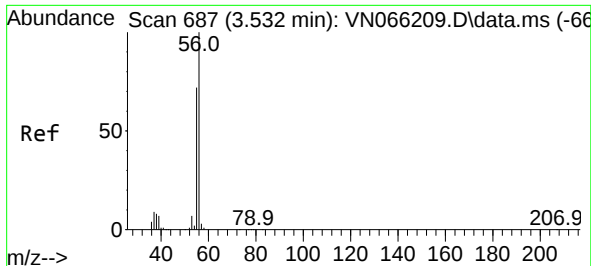
Tgt Ion:168 Resp: 320043
Ion Ratio Lower Upper
168 100
99 50.3 45.4 68.0



#11
Tert butyl alcohol
Concen: 0.67 ug/l
RT: 4.707 min Scan# 1125
Delta R.T. -0.005 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Tgt Ion: 59 Resp: 525
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

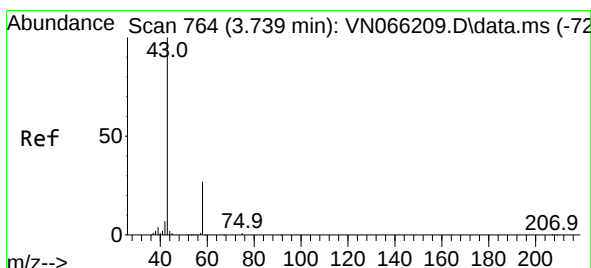
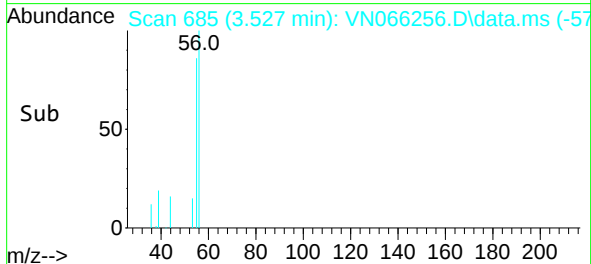
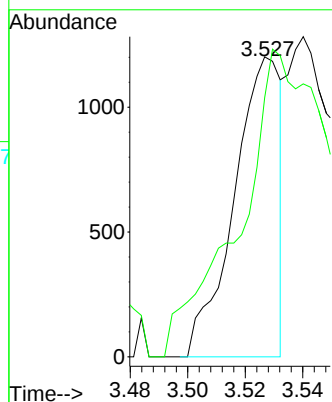
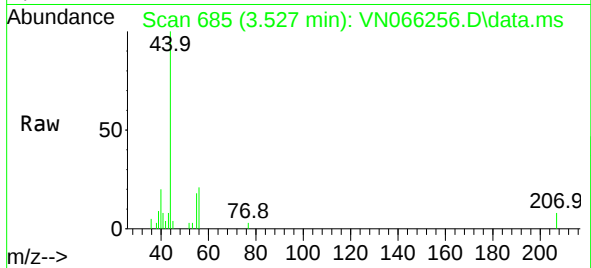




#13
Acrolein
Concen: Below Cal
RT: 3.527 min Scan# 685
Delta R.T. -0.005 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

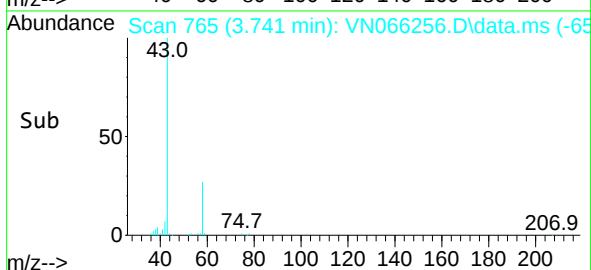
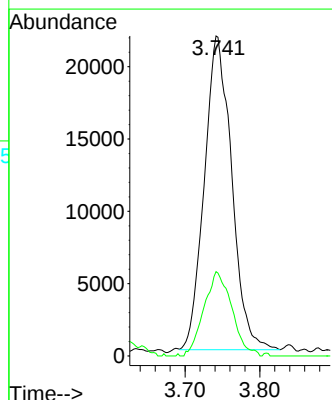
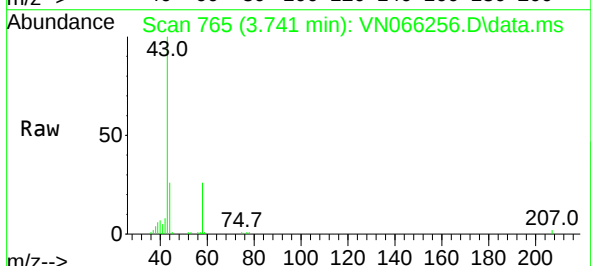
Instrument :
MSVOA_N
ClientSampled :

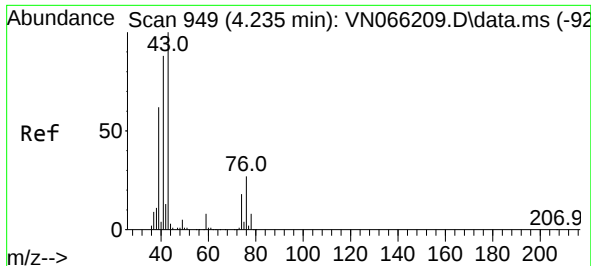
Tgt Ion: 56 Resp: 1348
Ion Ratio Lower Upper
56 100
55 212.9 58.0 87.0#



#16
Acetone
Concen: 24.86 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Tgt Ion: 43 Resp: 55064
Ion Ratio Lower Upper
43 100
58 26.9 22.3 33.5





#18

Methyl Acetate

Concen: 0.93 ug/l

RT: 4.246 min Scan# 953

Delta R.T. 0.011 min

Lab File: VN066256.D

Acq: 18 Mar 2021 15:28

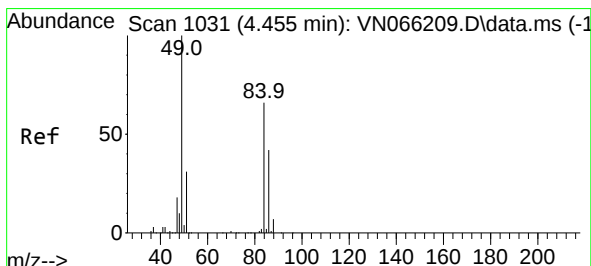
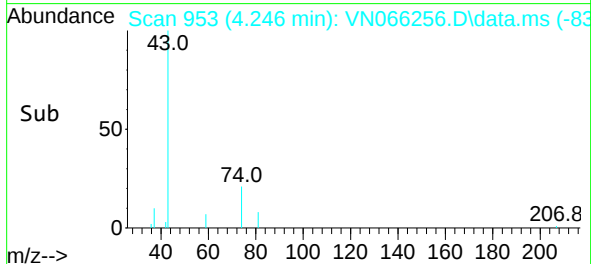
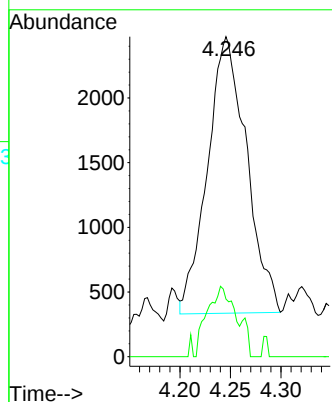
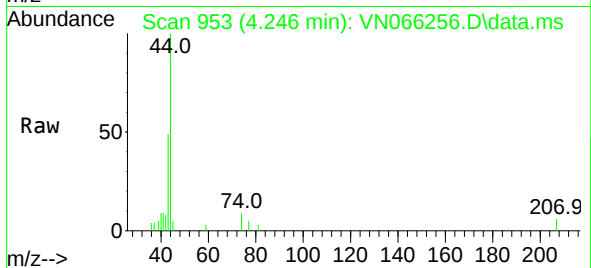
Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 43 Resp: 5749

Ion Ratio Lower Upper

43 100

74 17.0 14.2 21.2



#20

Methylene Chloride

Concen: 4.56 ug/l

RT: 4.455 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN066256.D

Acq: 18 Mar 2021 15:28

Tgt Ion: 84 Resp: 15813

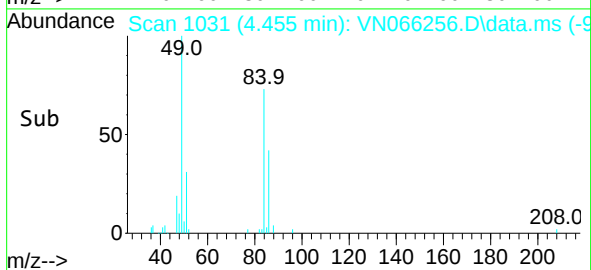
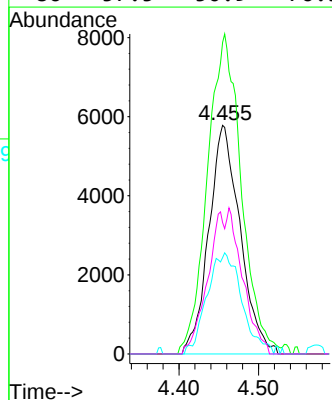
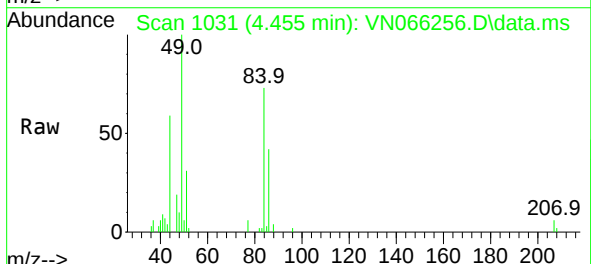
Ion Ratio Lower Upper

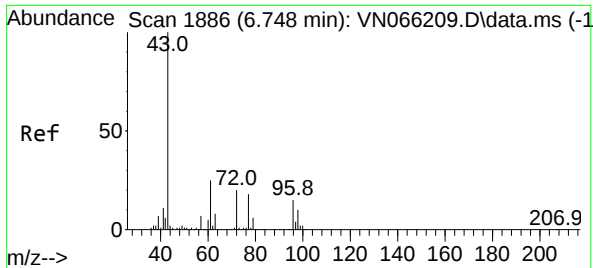
84 100

49 133.5 130.0 195.0

51 42.1 39.1 58.7

86 57.5 50.9 76.3

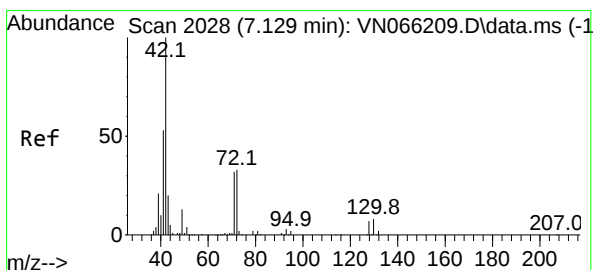
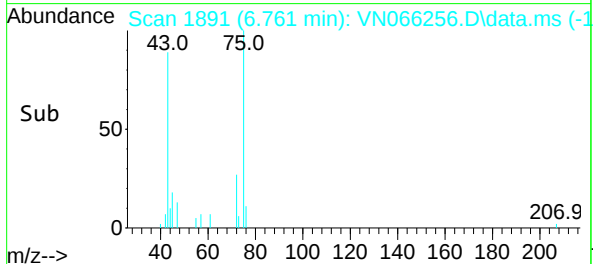
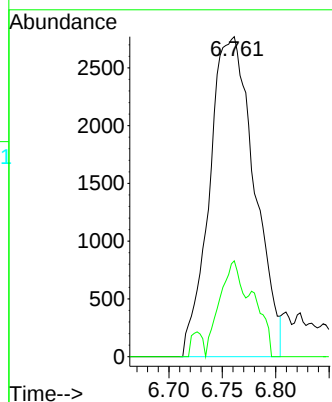
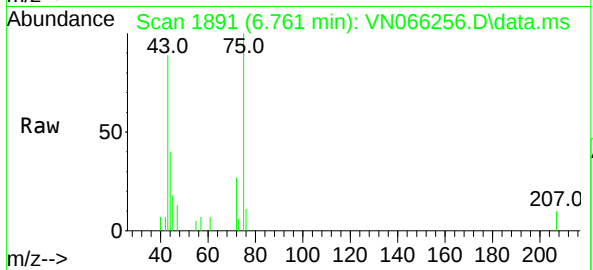




#25
2-Butanone
Concen: 2.35 ug/l
RT: 6.761 min Scan# 1891
Delta R.T. 0.013 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

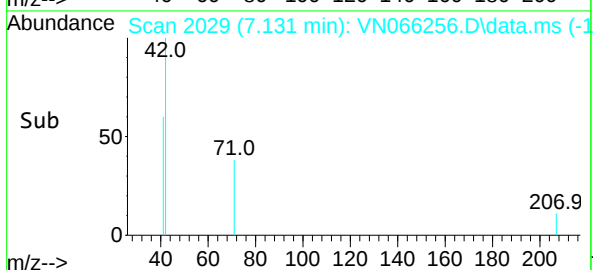
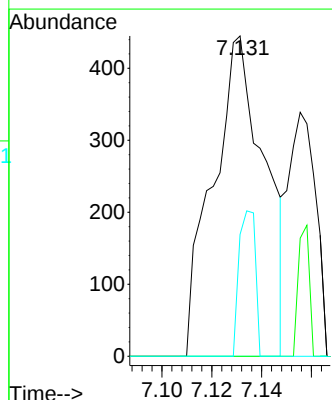
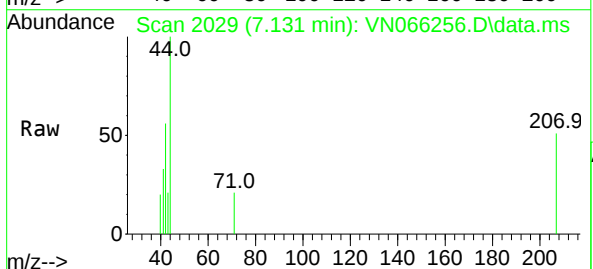
Instrument :
MSVOA_N
ClientSampled :

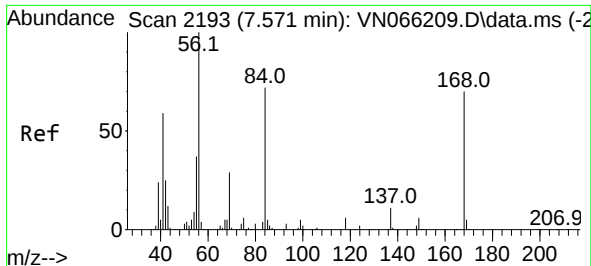
Tgt Ion: 43 Resp: 8078
Ion Ratio Lower Upper
43 100
72 30.0 16.2 24.2#



#29
Tetrahydrofuran
Concen: 0.27 ug/l
RT: 7.131 min Scan# 2029
Delta R.T. 0.002 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

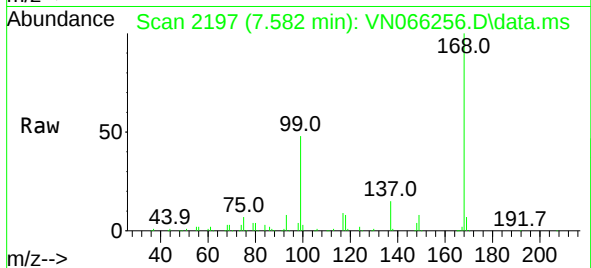
Tgt Ion: 42 Resp: 639
Ion Ratio Lower Upper
42 100
72 0.0 26.2 39.4#
71 14.4 25.4 38.2#



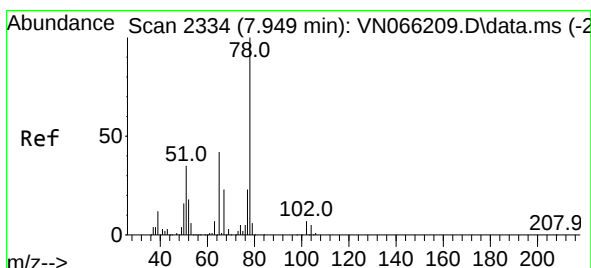
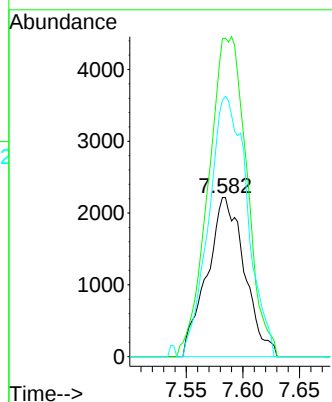
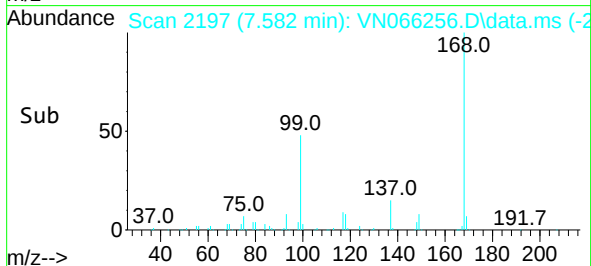


#31
Cyclohexane
Concen: 0.74 ug/l
RT: 7.582 min Scan# 2197
Delta R.T. 0.011 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

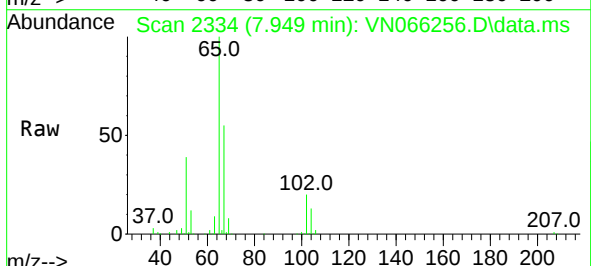
Instrument :
MSVOA_N
ClientSampled :



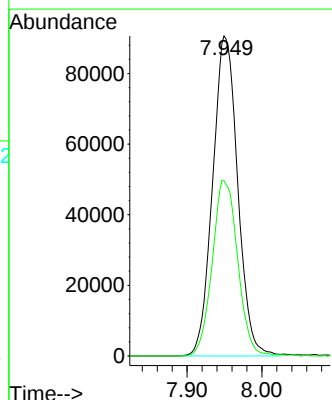
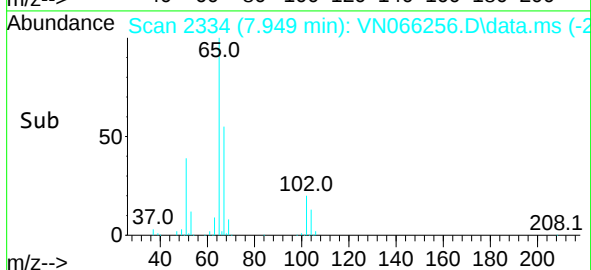
Tgt Ion: 56 Resp: 5110
Ion Ratio Lower Upper
56 100
69 199.7 23.4 35.0#
84 161.1 57.8 86.6#

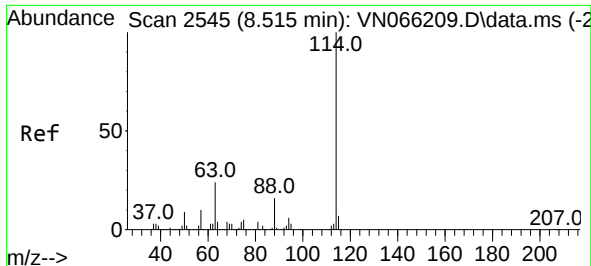


#33
1,2-Dichloroethane-d4
Concen: 45.72 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.000 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28



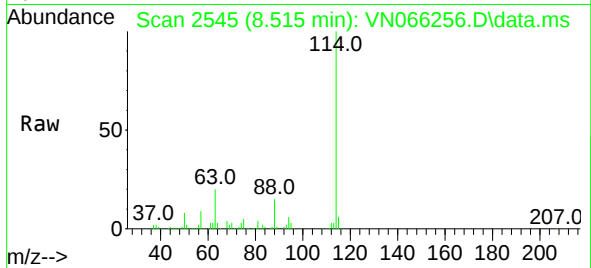
Tgt Ion: 65 Resp: 210833
Ion Ratio Lower Upper
65 100
67 55.7 0.0 107.2



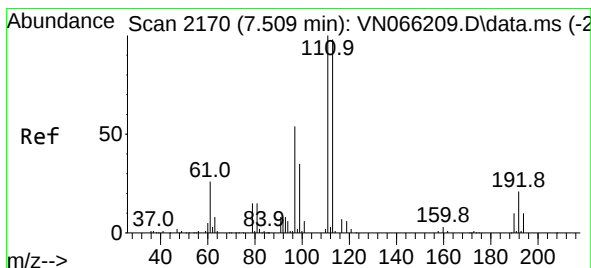
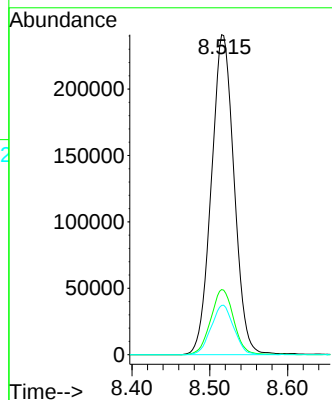
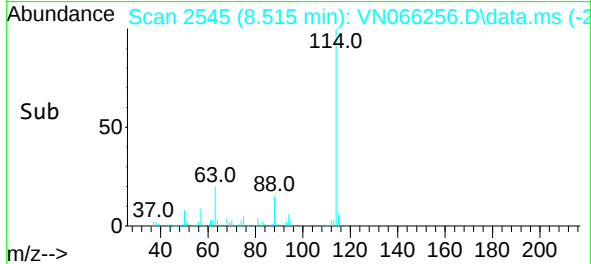


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.515 min Scan# 2545
Delta R.T. 0.000 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

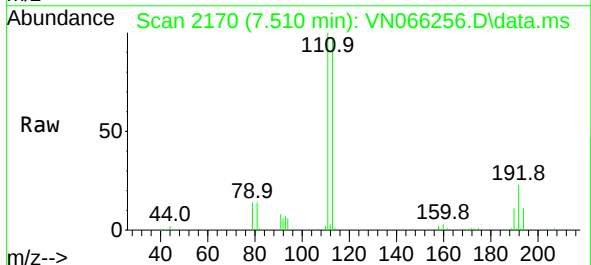
Instrument :
MSVOA_N
ClientSampled :



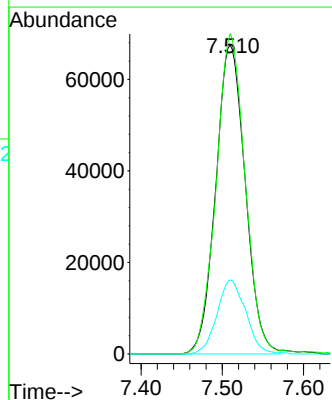
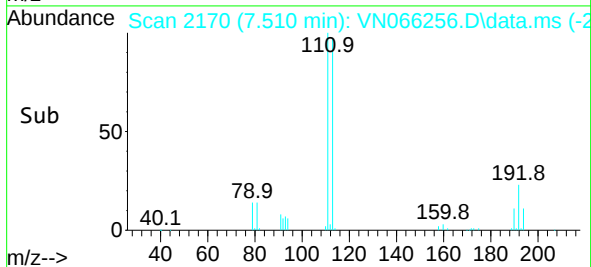
Tgt Ion:114 Resp: 487464
Ion Ratio Lower Upper
114 100
63 20.3 0.0 49.2
88 15.4 0.0 33.8

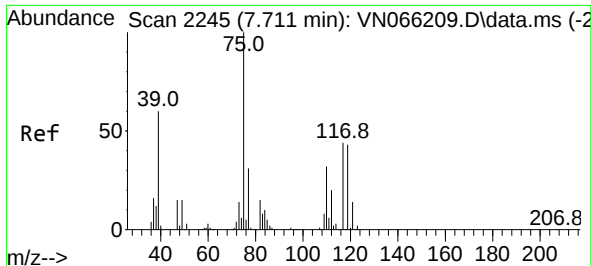


#35
Dibromofluoromethane
Concen: 54.69 ug/l
RT: 7.510 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28



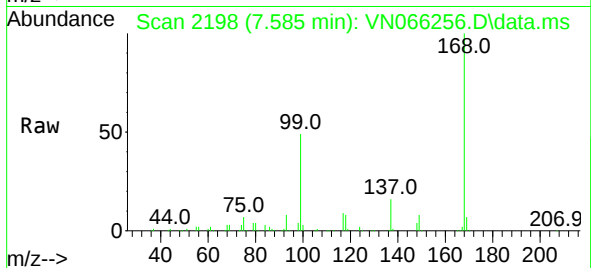
Tgt Ion:113 Resp: 170062
Ion Ratio Lower Upper
113 100
111 102.1 84.0 126.0
192 23.3 16.7 25.1



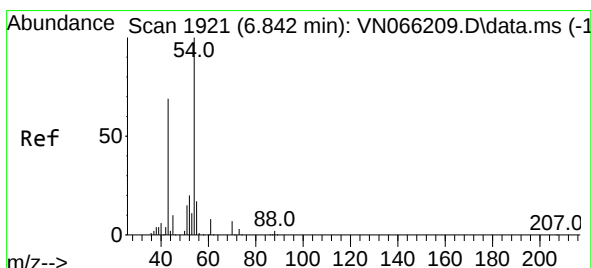
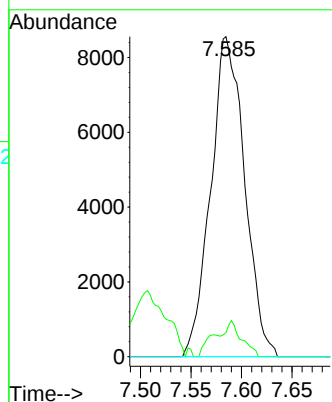
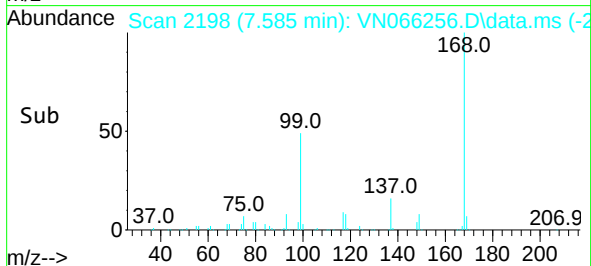


#36
1,1-Dichloropropene
Concen: 4.04 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

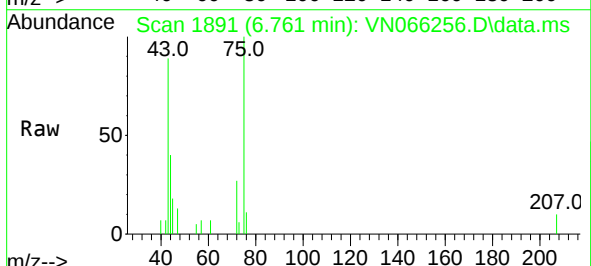
Instrument :
MSVOA_N
ClientSampled :



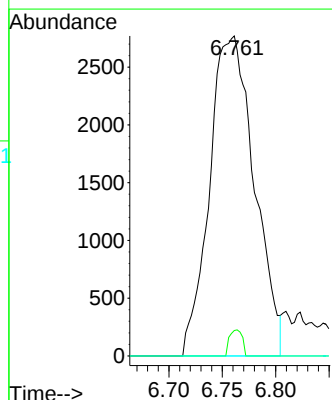
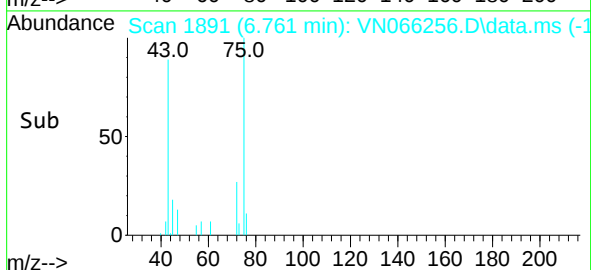
Tgt Ion: 75 Resp: 19936
Ion Ratio Lower Upper
75 100
110 5.5 16.0 48.0#
77 0.0 24.9 37.3#

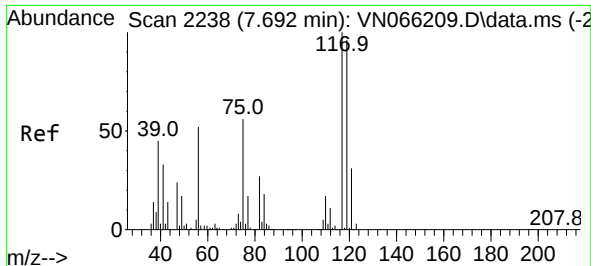


#37
Ethyl Acetate
Concen: 1.14 ug/l
RT: 6.761 min Scan# 1891
Delta R.T. -0.081 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28



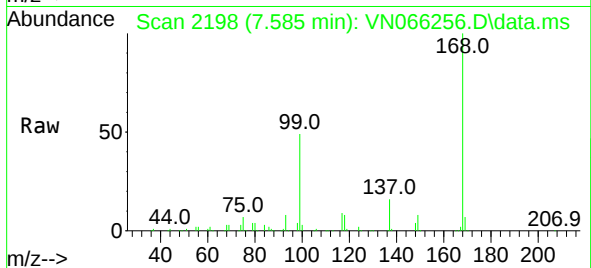
Tgt Ion: 43 Resp: 8078
Ion Ratio Lower Upper
43 100
61 2.3 9.2 13.8#
70 0.0 6.1 9.1#



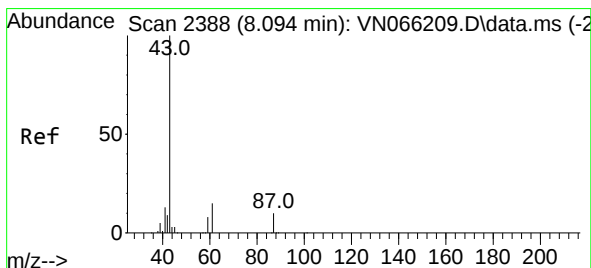
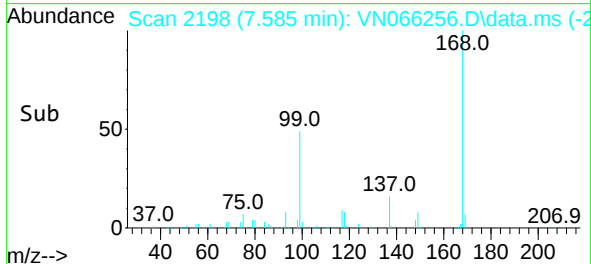
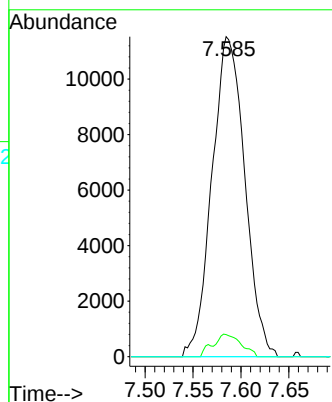


#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 7.585 min Scan# 2198
Delta R.T. -0.107 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Instrument :
MSVOA_N
ClientSampled :

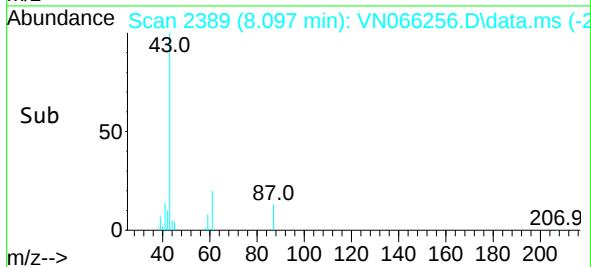
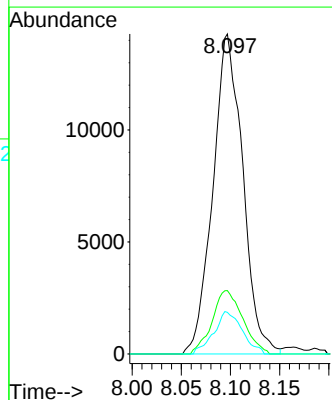
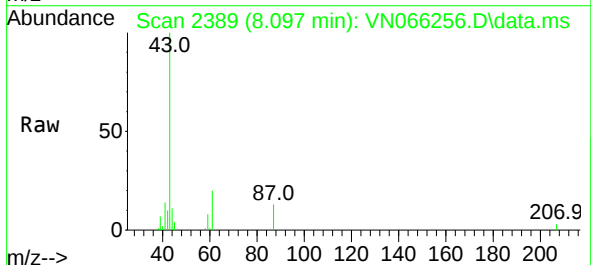


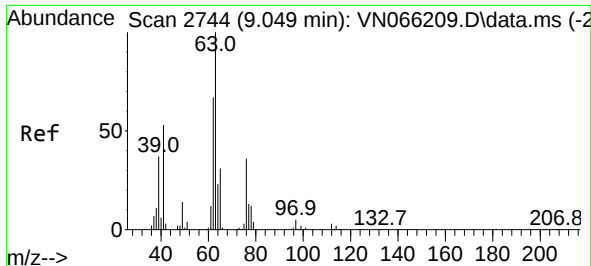
Tgt Ion:117 Resp: 27407
Ion Ratio Lower Upper
117 100
119 6.9 74.6 111.8#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 2.77 ug/l
RT: 8.097 min Scan# 2389
Delta R.T. 0.003 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Tgt Ion: 43 Resp: 30181
Ion Ratio Lower Upper
43 100
61 20.4 14.0 21.0
87 12.6 7.9 11.9#

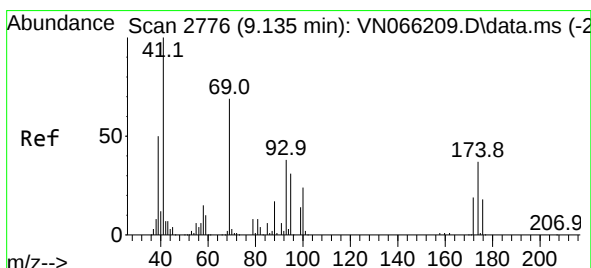
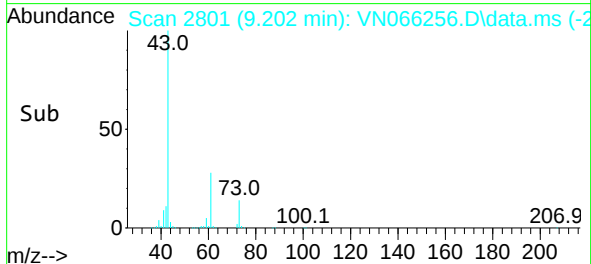
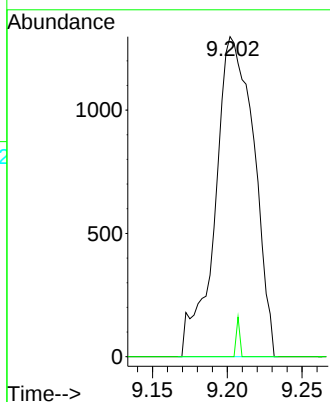
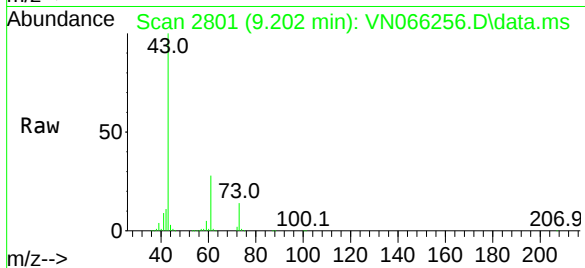




#45
1,2-Dichloropropane
Concen: 0.55 ug/l
RT: 9.202 min Scan# 2801
Delta R.T. 0.153 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

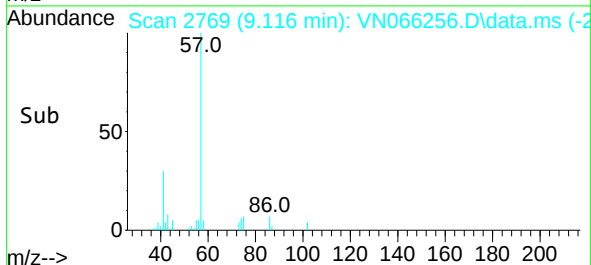
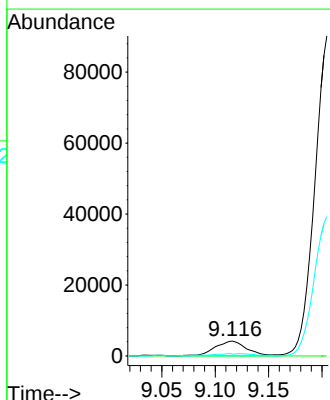
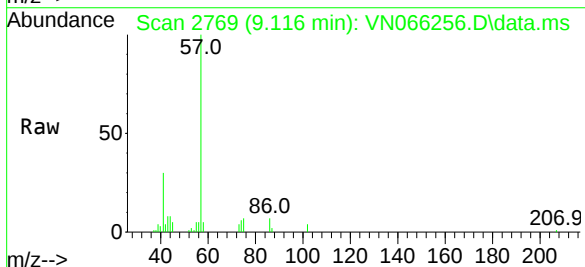
Instrument :
MSVOA_N
ClientSampled :

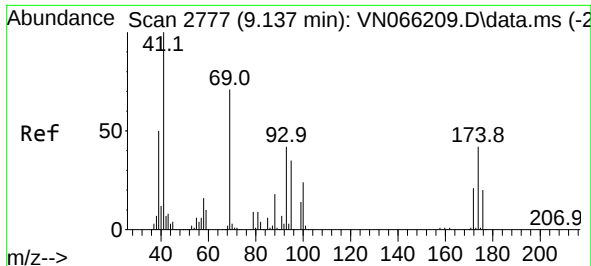
Tgt Ion: 63 Resp: 2343
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.69 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.019 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

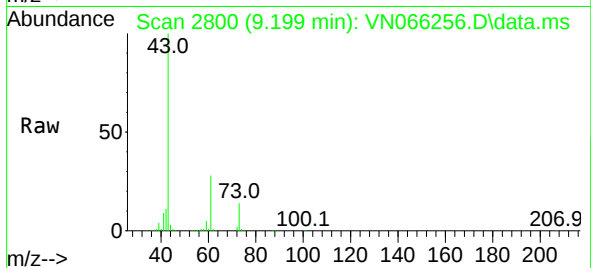
Tgt Ion: 41 Resp: 8746
Ion Ratio Lower Upper
41 100
69 0.0 54.7 82.1#
39 0.0 40.2 60.2#



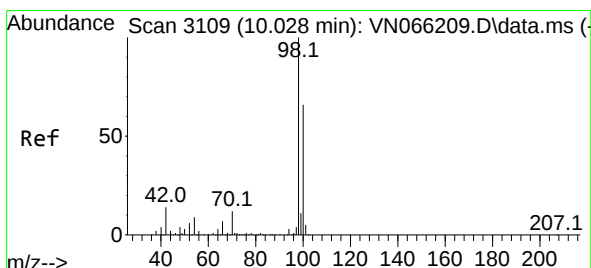
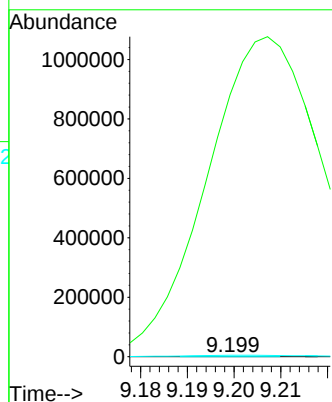
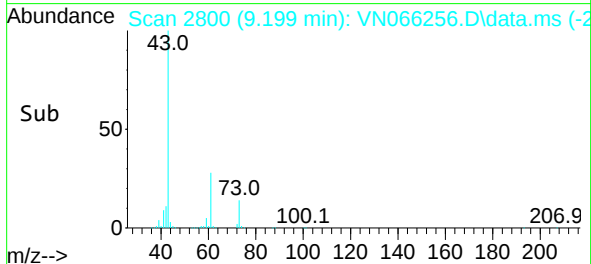


#49
1,4-Dioxane
Concen: 3.14 ug/l
RT: 9.199 min Scan# 2800
Delta R.T. 0.062 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

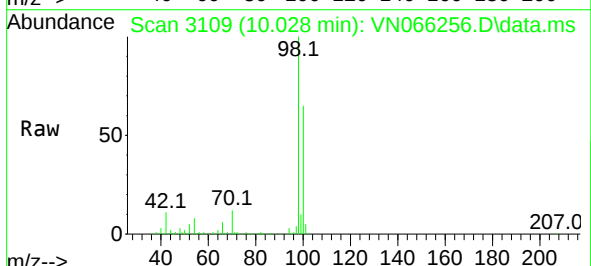
Instrument :
MSVOA_N
ClientSampled :



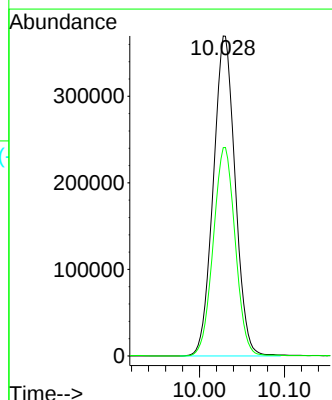
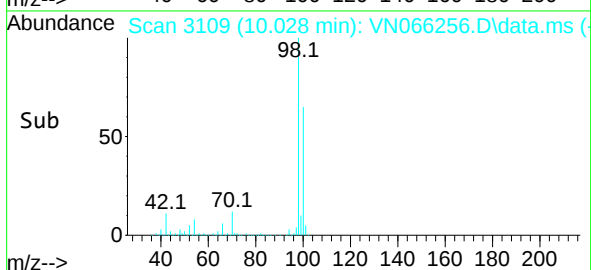
Tgt Ion: 88 Resp: 176
Ion Ratio Lower Upper
88 100
43 1106425.0 34.4 51.6#
58 5363.1 67.3 100.9#

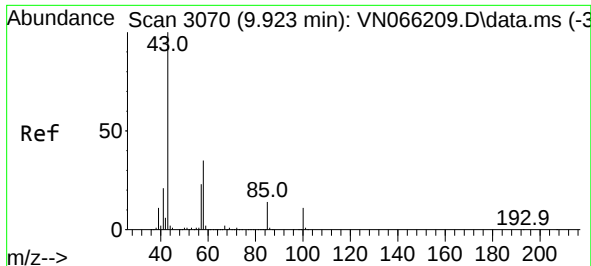


#50
Toluene-d8
Concen: 55.07 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28



Tgt Ion: 98 Resp: 662146
Ion Ratio Lower Upper
98 100
100 65.3 51.0 76.6

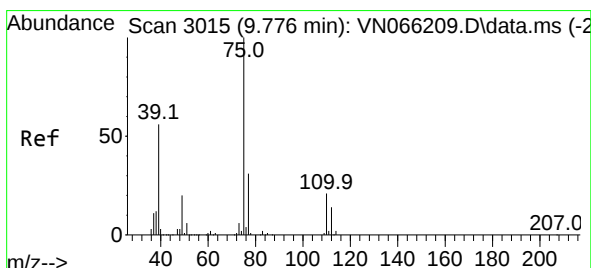
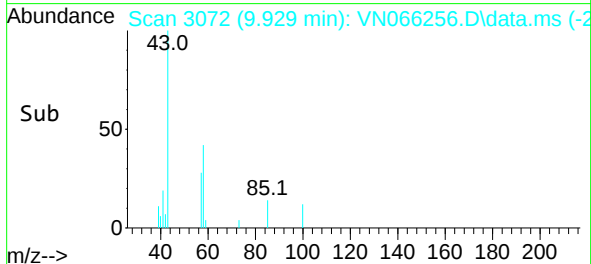
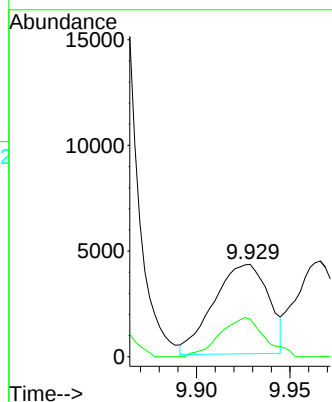
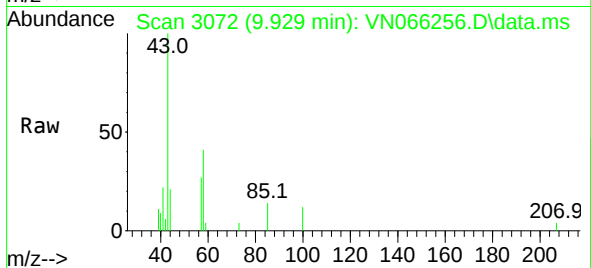




#51
4-Methyl-2-Pentanone
Concen: 1.31 ug/l
RT: 9.929 min Scan# 3072
Delta R.T. 0.006 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

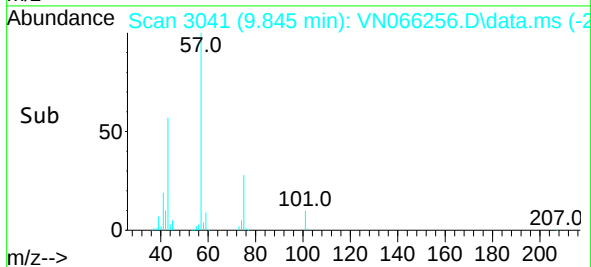
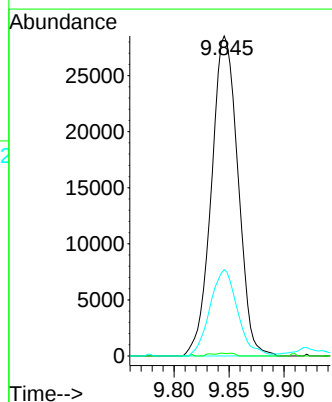
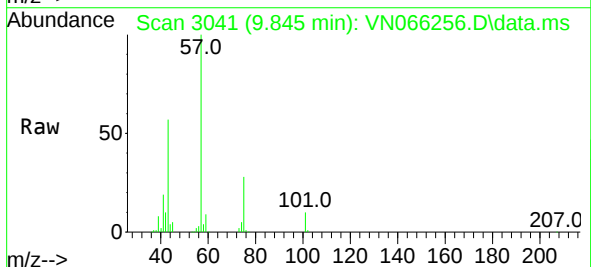
Instrument :
MSVOA_N
ClientSampled :

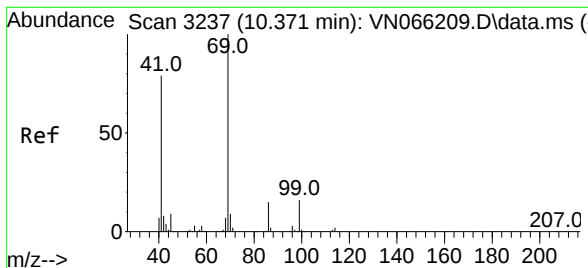
Tgt Ion: 43 Resp: 8666
Ion Ratio Lower Upper
43 100
58 35.4 27.5 41.3



#54
cis-1,3-Dichloropropene
Concen: 7.48 ug/l
RT: 9.845 min Scan# 3041
Delta R.T. 0.069 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Tgt Ion: 75 Resp: 47871
Ion Ratio Lower Upper
75 100
77 0.8 25.0 37.4#
39 27.0 46.2 69.2#

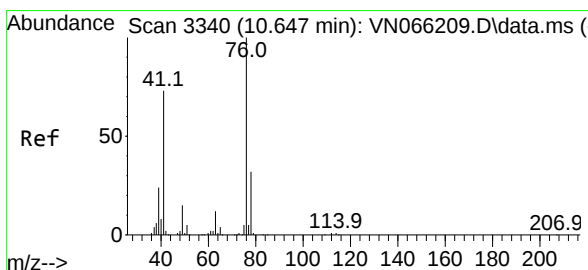
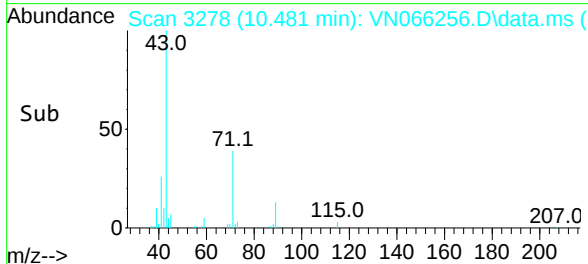
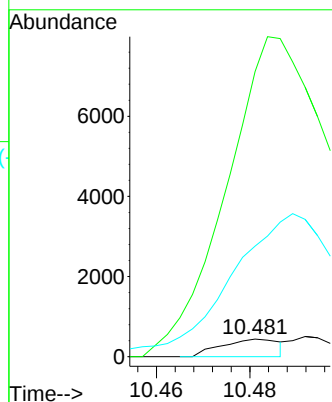
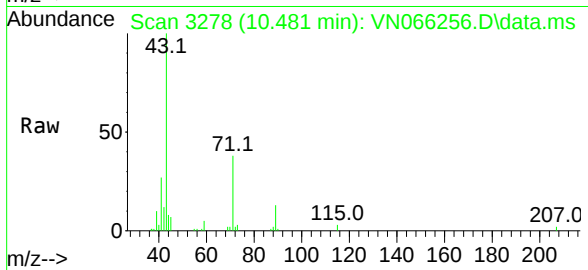




#56
Ethyl methacrylate
Concen: 2.22 ug/l
RT: 10.481 min Scan# 3278
Delta R.T. 0.110 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

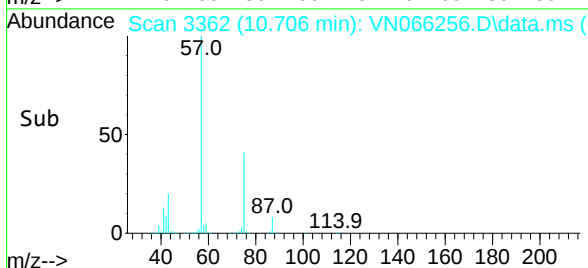
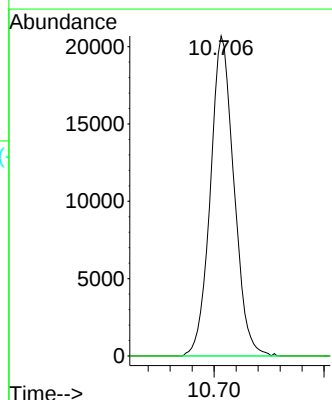
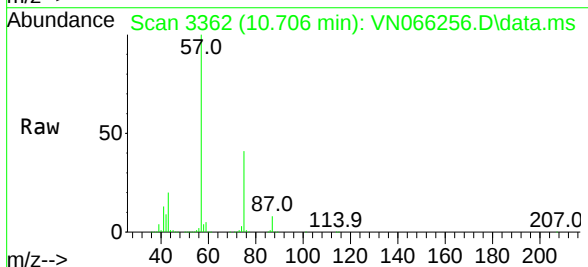
Instrument :
MSVOA_N
ClientSampled :

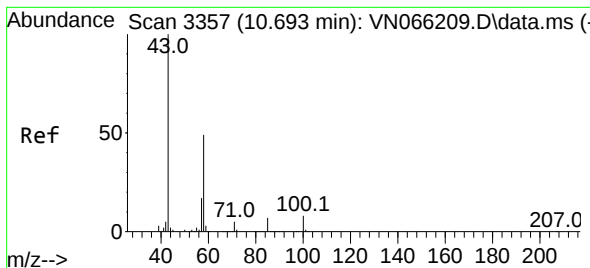
Tgt Ion: 69 Resp: 379
Ion Ratio Lower Upper
69 100
41 3556.2 66.2 99.4#
39 0.0 31.5 47.3#



#57
1,3-Dichloropropane
Concen: 4.85 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.059 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Tgt Ion: 76 Resp: 30811
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.2#

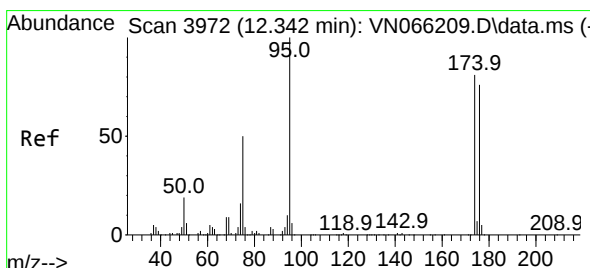
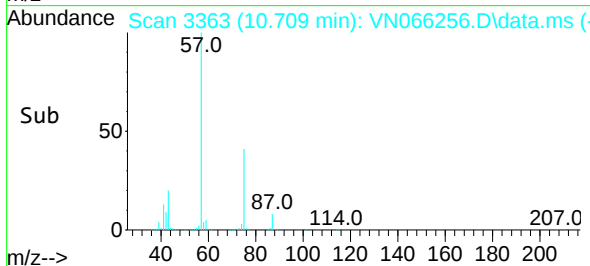
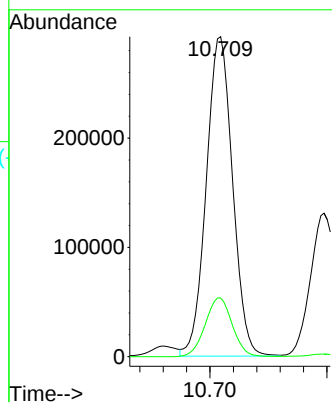
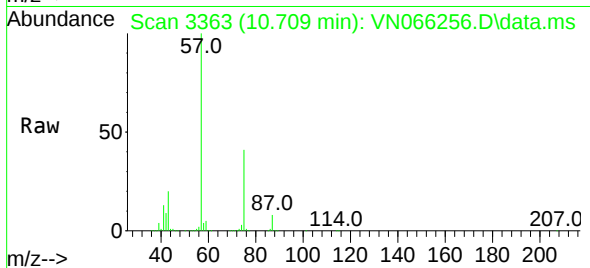




#59
2-Hexanone
Concen: 89.57 ug/l
RT: 10.709 min Scan# 3363
Delta R.T. 0.016 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

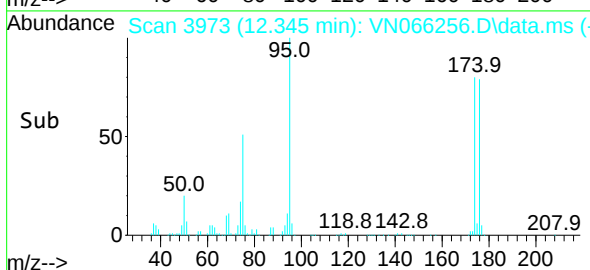
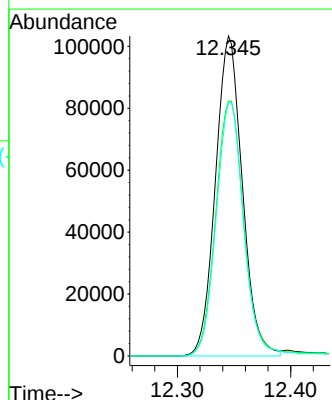
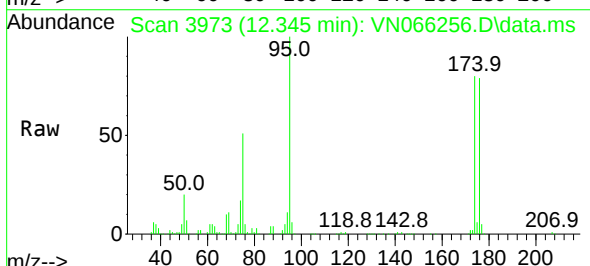
Instrument :
MSVOA_N
ClientSampled :

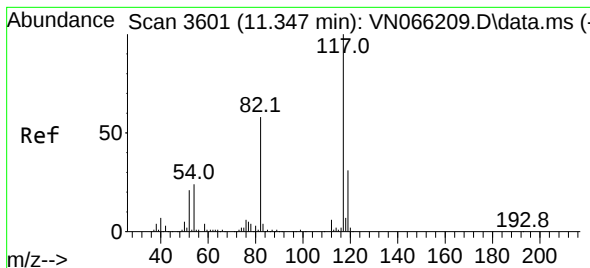
Tgt Ion: 43 Resp: 457311
Ion Ratio Lower Upper
43 100
58 19.0 23.8 71.5#



#62
4-Bromofluorobenzene
Concen: 39.30 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.003 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Tgt Ion: 95 Resp: 170339
Ion Ratio Lower Upper
95 100
174 84.0 0.0 162.4
176 81.1 0.0 156.2

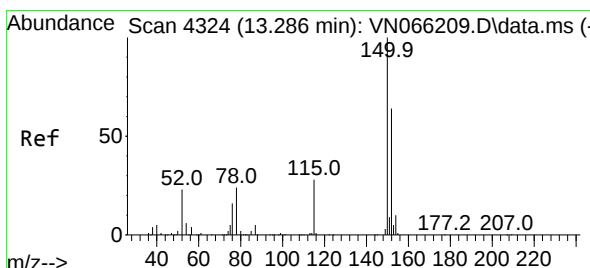
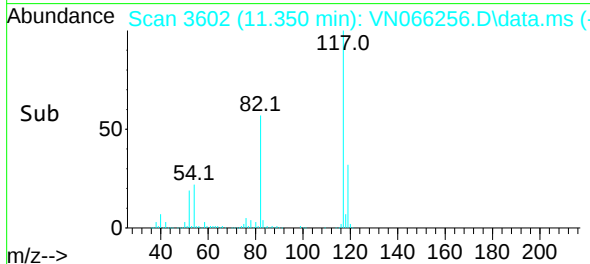
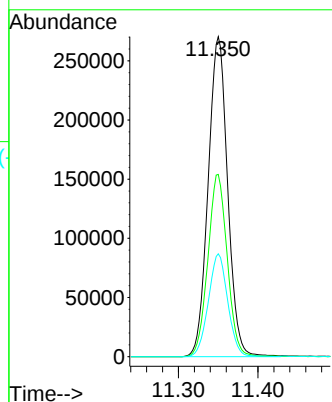
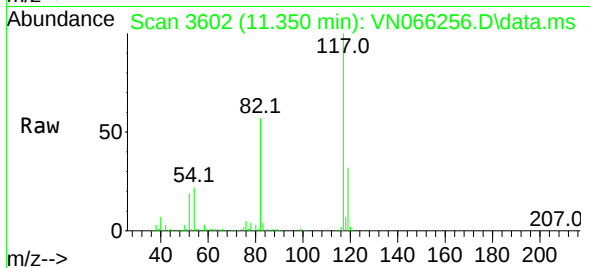




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

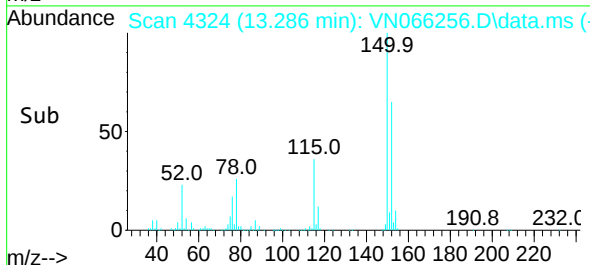
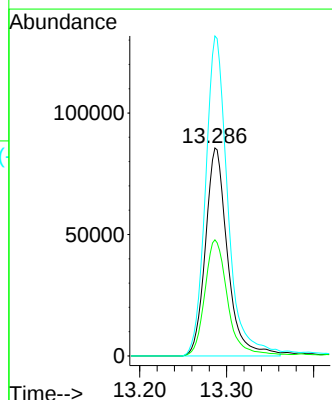
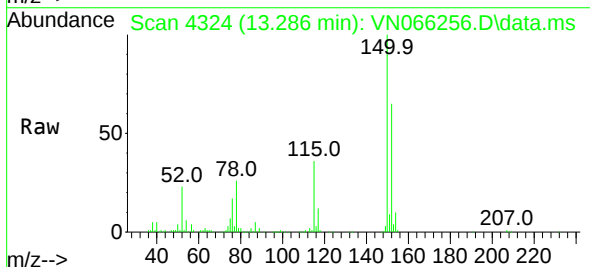
Instrument :
MSVOA_N
ClientSampleId :

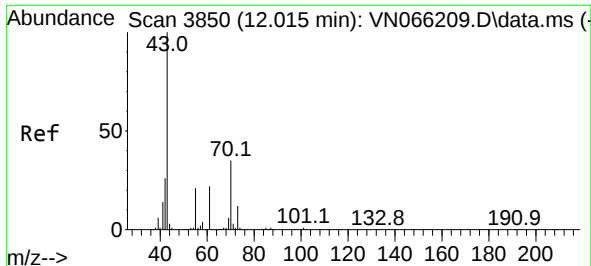
Tgt Ion:117 Resp: 460222
Ion Ratio Lower Upper
117 100
82 56.9 49.0 73.6
119 32.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.286 min Scan# 4324
Delta R.T. 0.000 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Tgt Ion:152 Resp: 151734
Ion Ratio Lower Upper
152 100
115 57.8 29.4 88.3
150 154.7 0.0 352.2

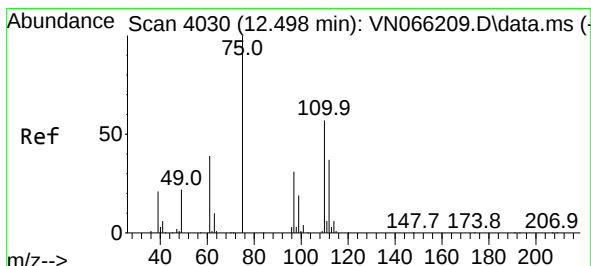
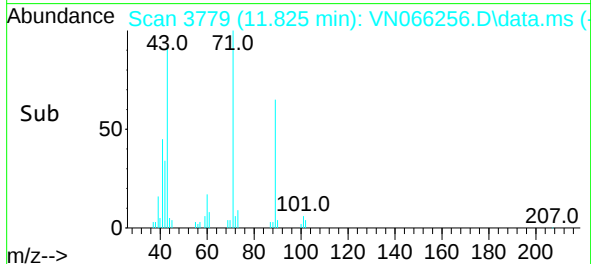
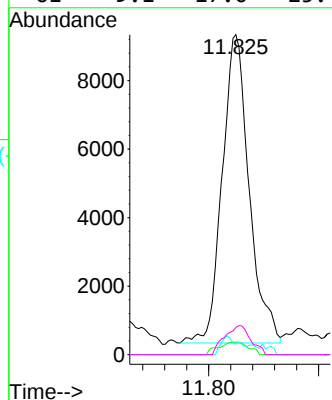
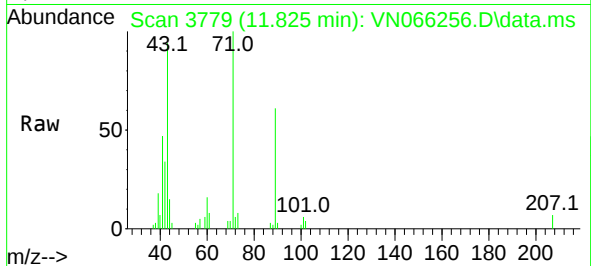




#74
N-amy1 acetate
Concen: 4.64 ug/l
RT: 11.825 min Scan# 3779
Delta R.T. -0.190 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

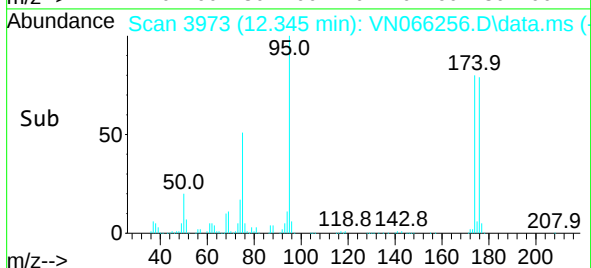
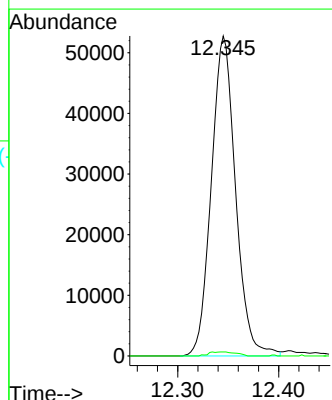
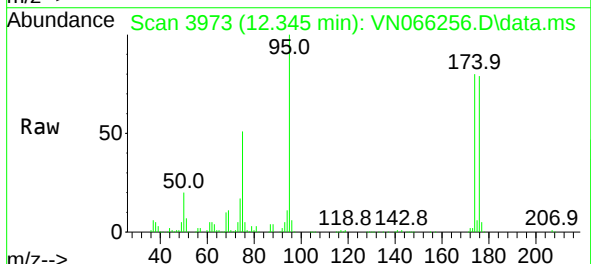
Instrument :
MSVOA_N
ClientSampled :

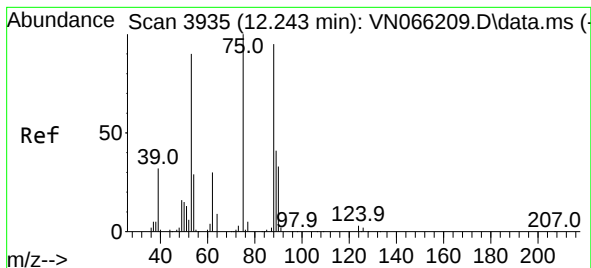
Tgt Ion: 43	Resp: 15325
Ion Ratio	Lower Upper
43	100
70	4.6 26.2 39.4#
55	4.0 17.2 25.8#
61	9.1 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 22.45 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.153 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Tgt Ion: 75	Resp: 87962
Ion Ratio	Lower Upper
75	100
77	0.4 0.0 0.0#

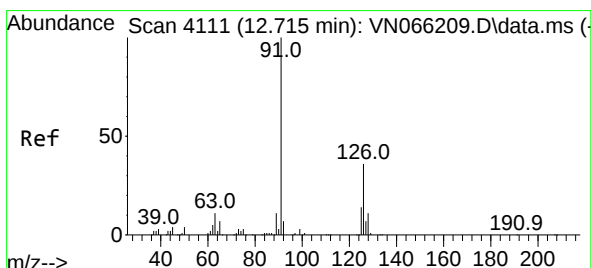
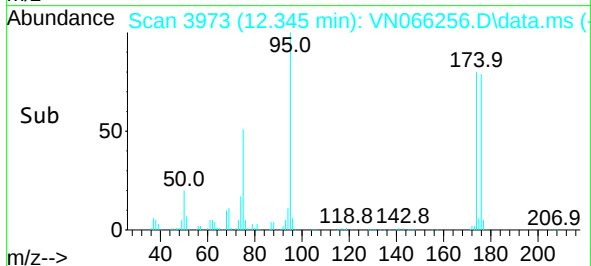
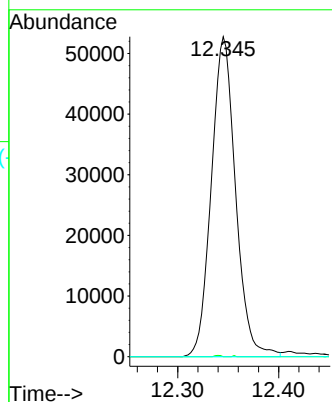
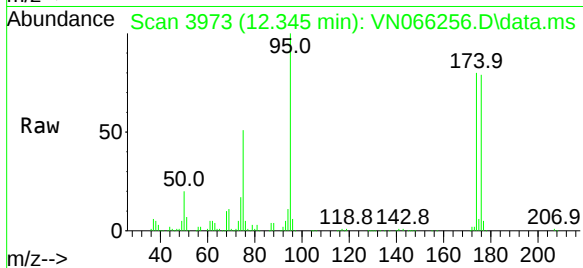




#81
trans-1,4-Dichloro-2-butene
Concen: 67.18 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.102 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

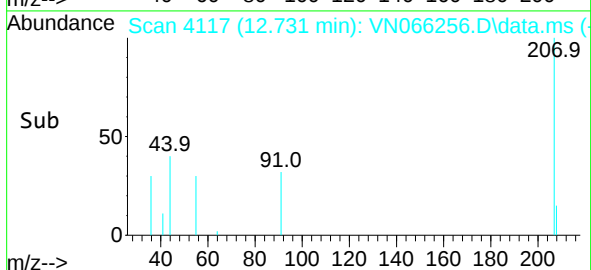
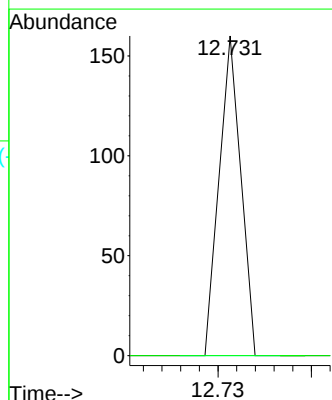
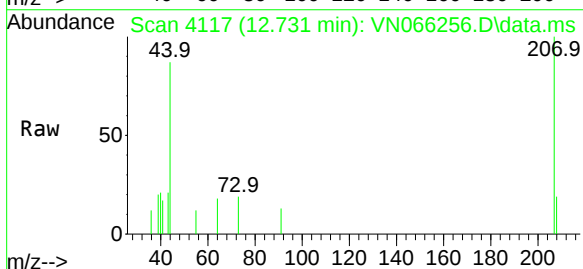
Instrument :
MSVOA_N
ClientSampled :

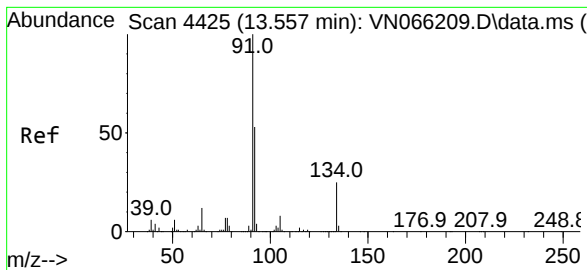
Tgt Ion: 75 Resp: 87962
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.6#
89 0.0 33.7 50.5#



#82
4-Chlorotoluene
Concen: 0.47 ug/l
RT: 12.731 min Scan# 4117
Delta R.T. 0.016 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Tgt Ion: 91 Resp: 26
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#

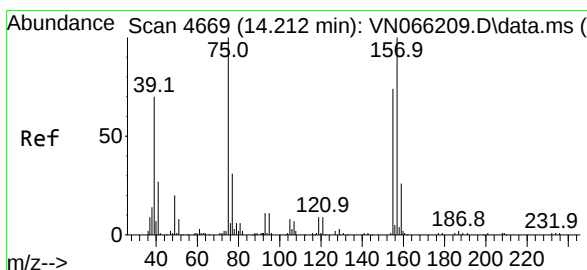
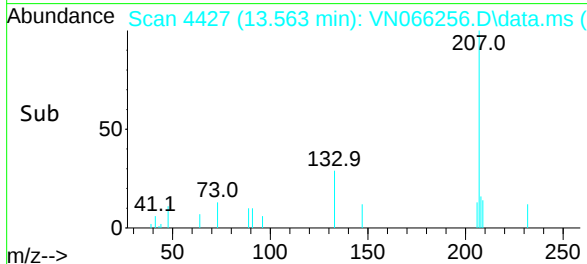
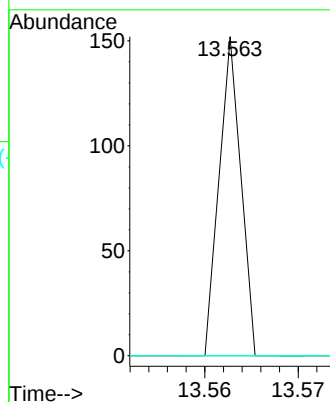
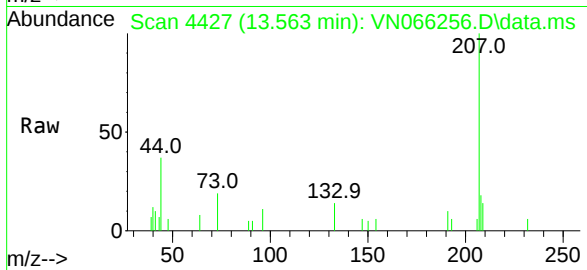




#89
n-Butylbenzene
Concen: 2.24 ug/l
RT: 13.563 min Scan# 4427
Delta R.T. 0.006 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 91 Resp: 24
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 11.8 35.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.01 ug/l
RT: 14.206 min Scan# 4667
Delta R.T. -0.006 min
Lab File: VN066256.D
Acq: 18 Mar 2021 15:28

Tgt Ion: 75 Resp: 151
Ion Ratio Lower Upper
75 100
155 0.0 36.5 109.7#
157 0.0 46.3 138.8#

