

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021221\
 Data File : VN065839.D
 Acq On : 12 Feb 2021 15:29
 Operator : JC/MD
 Sample : M1341-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 13 00:48:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

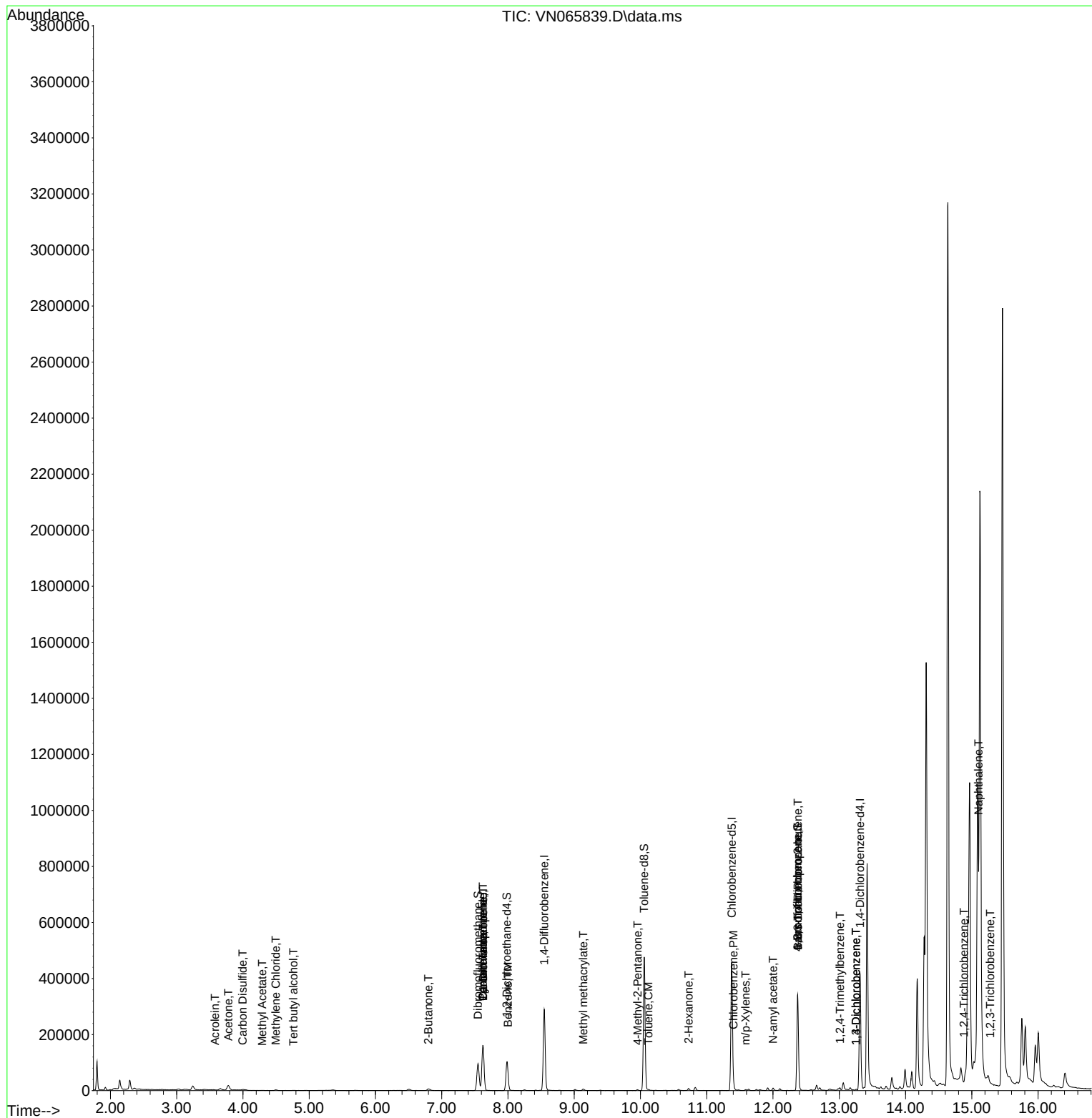
Internal Standards						
1) Pentafluorobenzene	7.621	168	137597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	272142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	280835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	119142	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	86948	48.03	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.06%		
35) Dibromofluoromethane	7.547	113	78003	48.37	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.74%		
50) Toluene-d8	10.055	98	354320	55.89	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	111.78%		
62) 4-Bromofluorobenzene	12.370	95	140911	61.73	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	123.46%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.762	59	1252	3.69	ug/l #	73
13) Acrolein	3.579	56	608	20.01	ug/l #	15
16) Acetone	3.779	43	24958	35.42	ug/l	96
17) Carbon Disulfide	3.994	76	6312	1.20	ug/l	97
18) Methyl Acetate	4.290	43	462	0.23	ug/l #	51
20) Methylene Chloride	4.496	84	1979	1.01	ug/l #	90
25) 2-Butanone	6.798	43	4953	4.48	ug/l	95
31) Cyclohexane	7.621	56	2600	0.76	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	10087	3.68	ug/l #	45
38) Carbon Tetrachloride	7.621	117	12791	5.67	ug/l #	17
40) Benzene	8.000	78	1733	0.21	ug/l	100
48) Methyl methacrylate	9.135	41	1561	0.71	ug/l #	28
51) 4-Methyl-2-Pentanone	9.955	43	2341	0.91	ug/l	91
52) Toluene	10.119	92	1027	0.21	ug/l #	70
59) 2-Hexanone	10.727	43	5601	3.14	ug/l	100
65) Chlorobenzene	11.402	112	7397	1.26	ug/l	98
68) m/p-Xylenes	11.589	106	1556	0.39	ug/l	94
71) Bromoform	12.373	173	444	0.31	ug/l #	1
74) N-amyl acetate	12.000	43	6823	1.55	ug/l #	46
76) 1,2,3-Trichloropropane	12.373	75	62419	20.04	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	62419	51.32	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	5297	0.60	ug/l	97
87) 1,3-Dichlorobenzene	13.254	146	1462	0.36	ug/l	96
88) 1,4-Dichlorobenzene	13.254	146	1462	0.36	ug/l	94
93) 1,2,4-Trichlorobenzene	14.881	180	774	3.66	ug/l	89
95) Naphthalene	15.100	128	9669	4.62	ug/l #	62
96) 1,2,3-Trichlorobenzene	15.280	180	697	3.12	ug/l	90

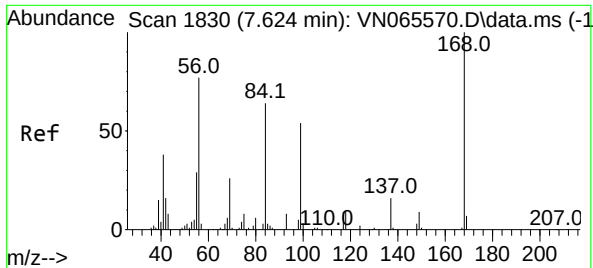
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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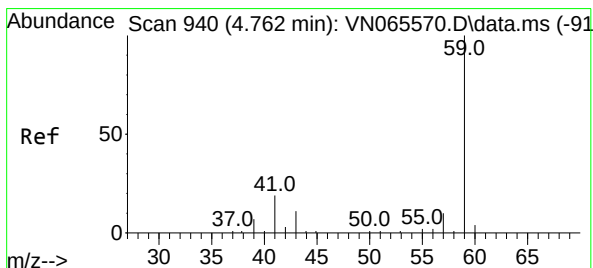
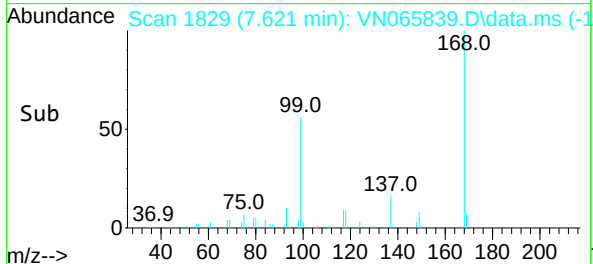
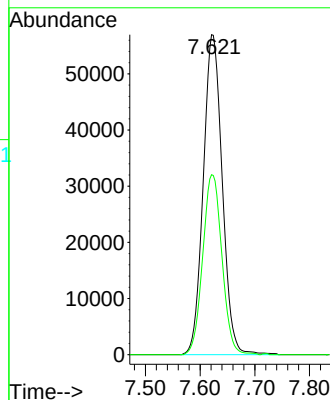
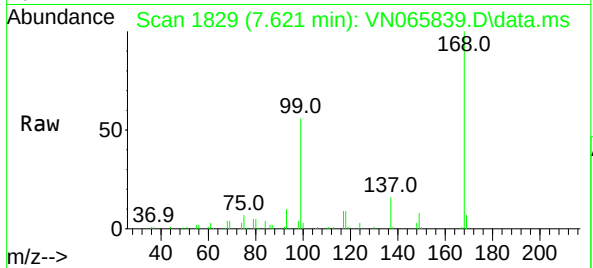




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.003 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

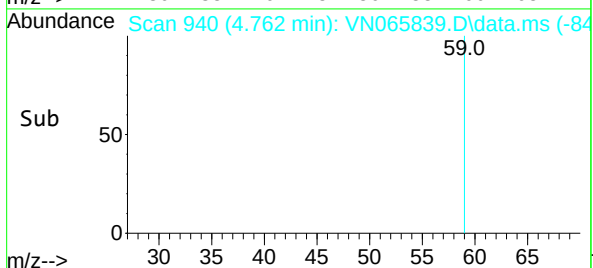
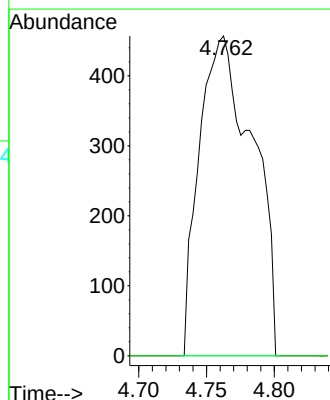
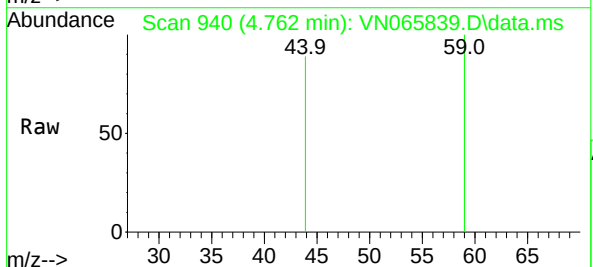
Instrument :
MSVOA_N
ClientSampled :

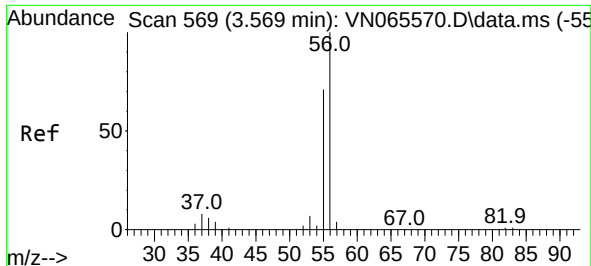
Tgt Ion:168 Resp: 137597
Ion Ratio Lower Upper
168 100
99 56.2 42.6 63.8



#11
Tert butyl alcohol
Concen: 3.69 ug/l
RT: 4.762 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion: 59 Resp: 1252
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

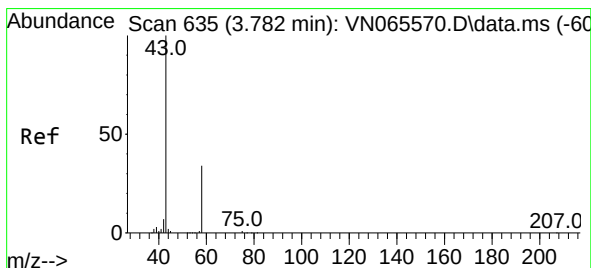
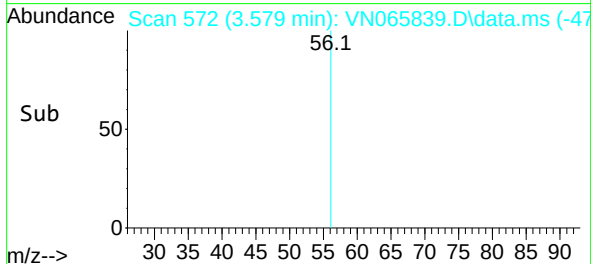
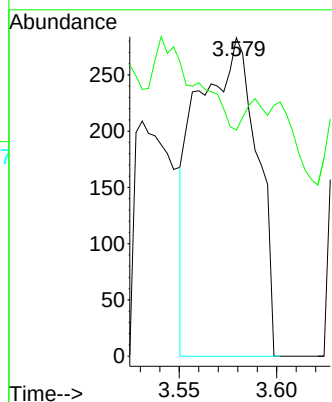
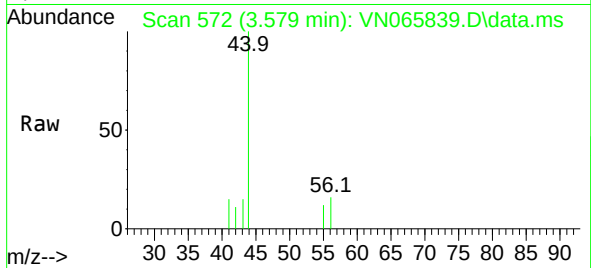




#13
Acrolein
Concen: 20.01 ug/l
RT: 3.579 min Scan# 572
Delta R.T. 0.010 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

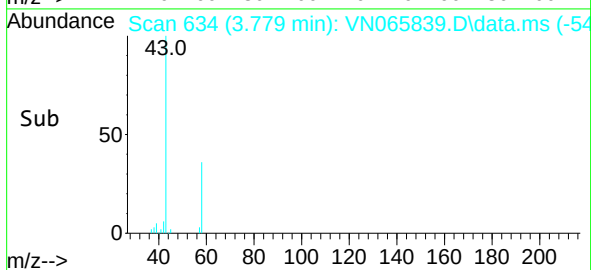
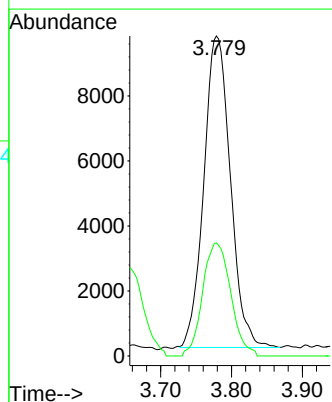
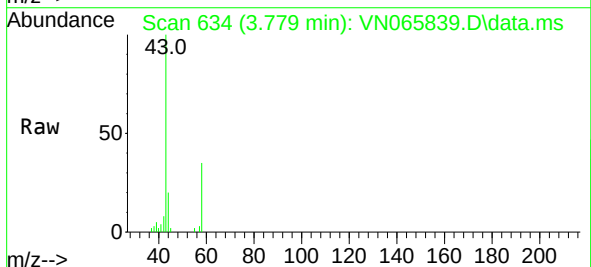
Instrument :
MSVOA_N
ClientSampled :

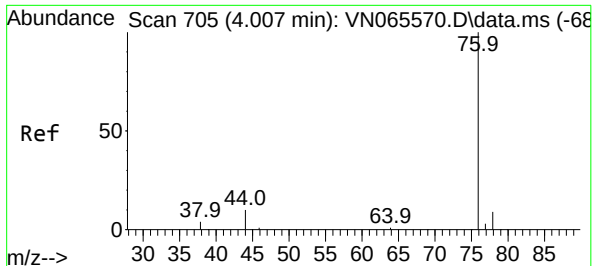
Tgt Ion: 56 Resp: 608
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#16
Acetone
Concen: 35.42 ug/l
RT: 3.779 min Scan# 634
Delta R.T. -0.003 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion: 43 Resp: 24958
Ion Ratio Lower Upper
43 100
58 36.3 27.0 40.6

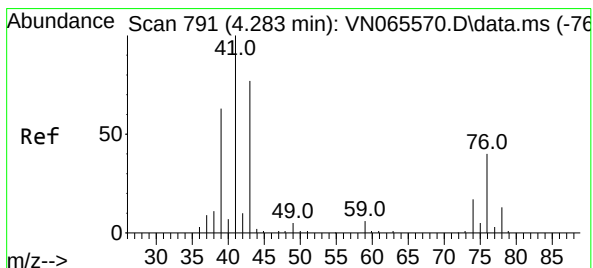
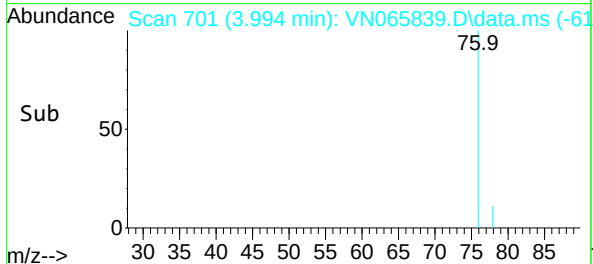
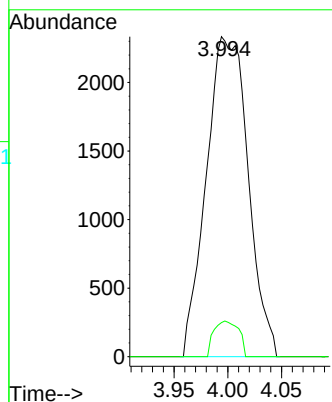
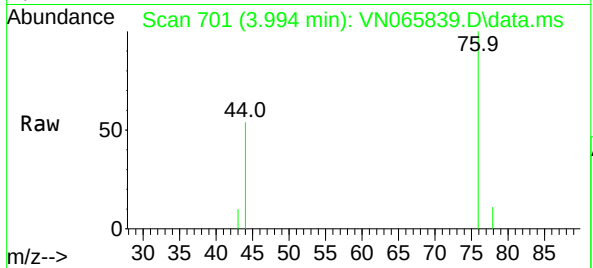




#17
Carbon Disulfide
Concen: 1.20 ug/l
RT: 3.994 min Scan# 701
Delta R.T. -0.013 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

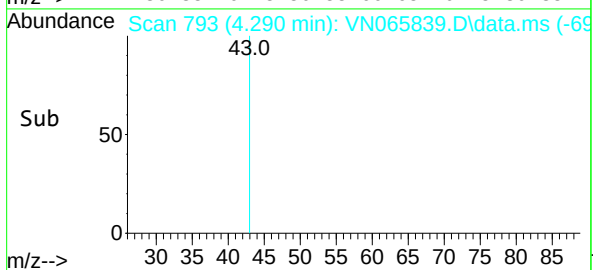
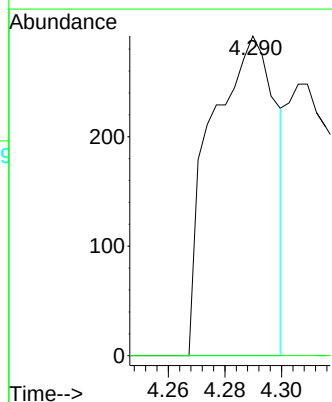
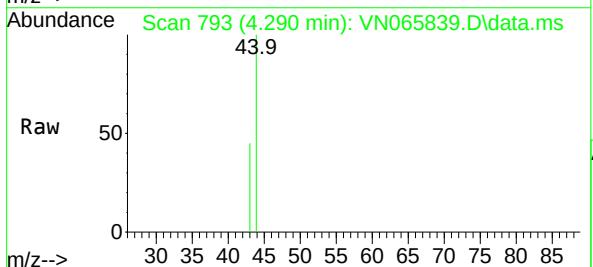
Instrument :
MSVOA_N
ClientSampled :

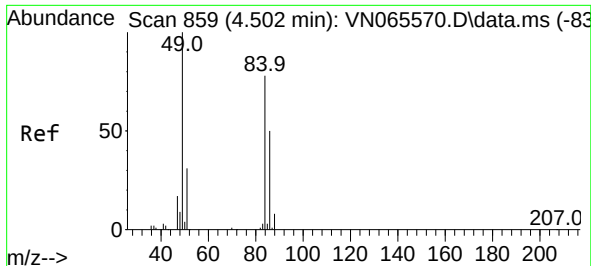
Tgt Ion: 76 Resp: 6312
Ion Ratio Lower Upper
76 100
78 10.7 7.8 11.6



#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 4.290 min Scan# 793
Delta R.T. 0.007 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#





#20

Methylene Chloride

Concen: 1.01 ug/l

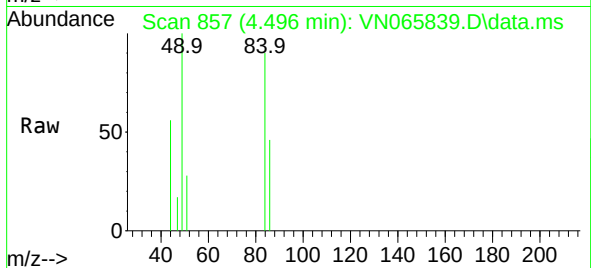
RT: 4.496 min Scan# 857

Delta R.T. -0.006 min

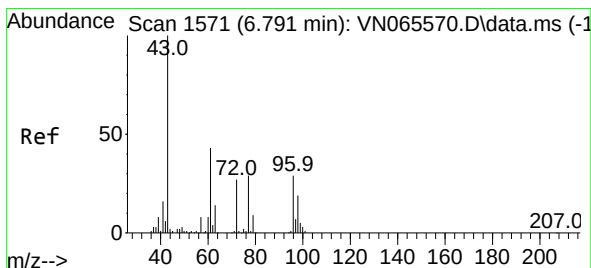
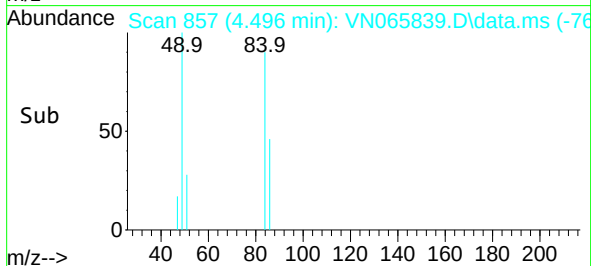
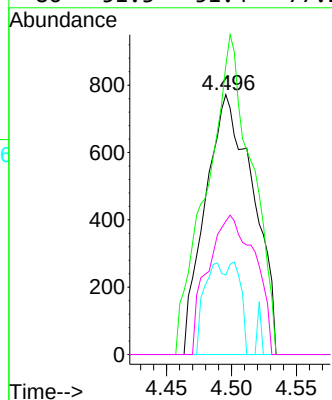
Lab File: VN065839.D

Acq: 12 Feb 2021 15:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	84	Resp:	1979
Ion	Ratio	Lower	Upper
84	100		
49	111.1	94.6	141.8
51	30.6	29.9	44.9
86	51.3	51.4	77.2#



#25

2-Butanone

Concen: 4.48 ug/l

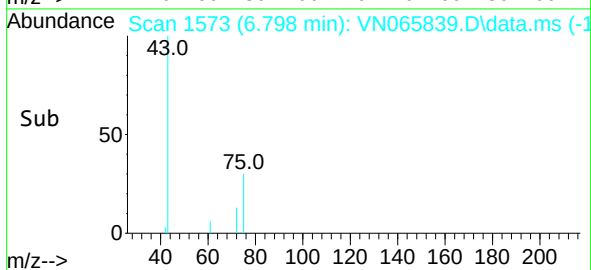
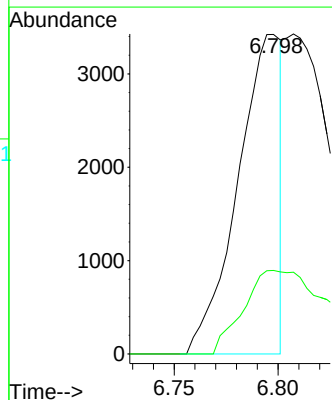
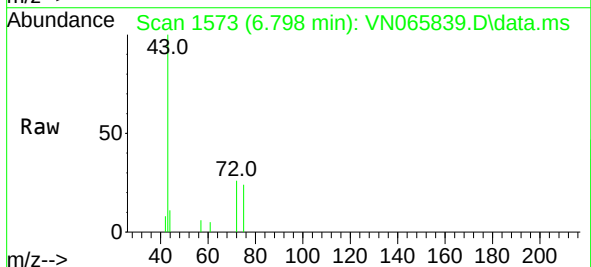
RT: 6.798 min Scan# 1573

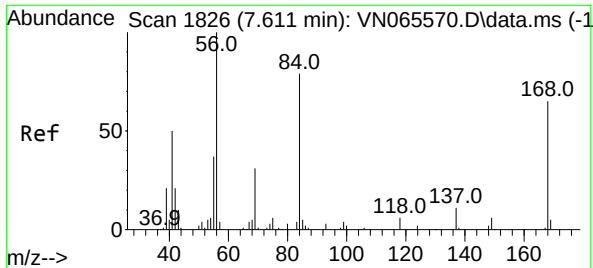
Delta R.T. 0.007 min

Lab File: VN065839.D

Acq: 12 Feb 2021 15:29

Tgt Ion:	43	Resp:	4953
Ion	Ratio	Lower	Upper
43	100		
72	26.1	23.1	34.7

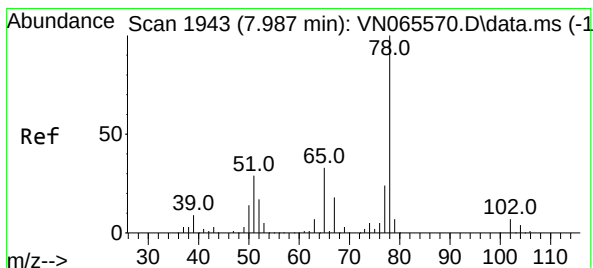
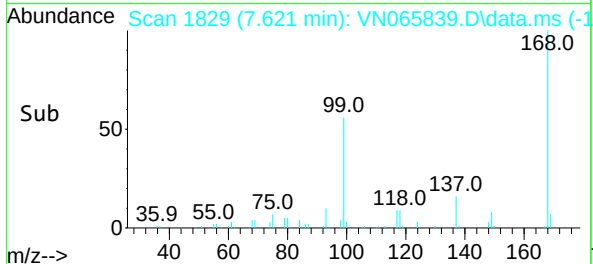
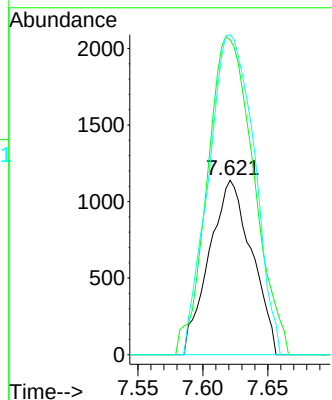
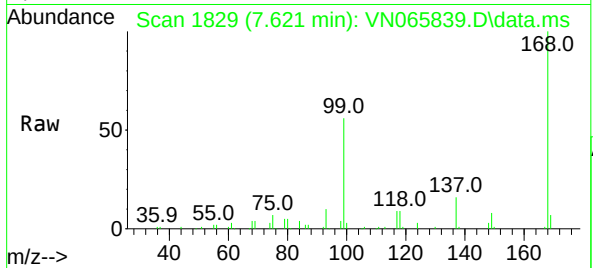




#31
Cyclohexane
Concen: 0.76 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. 0.010 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

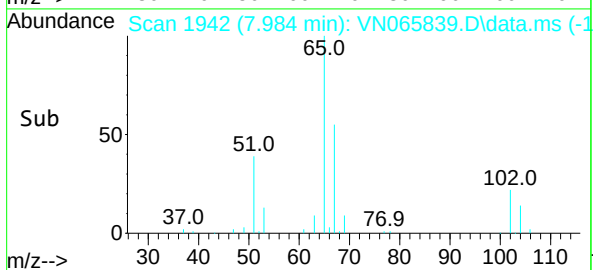
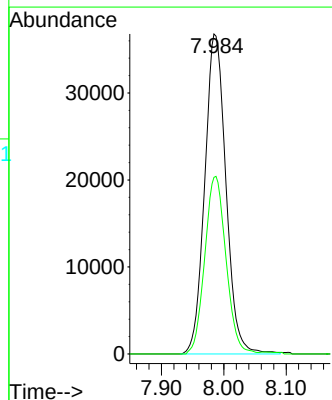
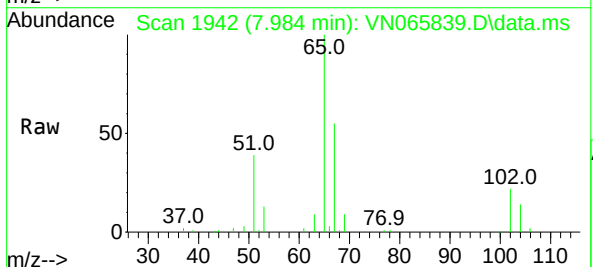
Instrument :
MSVOA_N
ClientSampled :

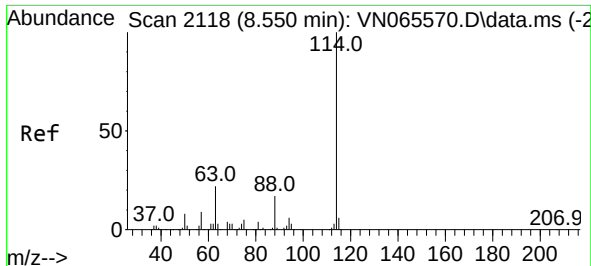
Tgt Ion: 56 Resp: 2600
Ion Ratio Lower Upper
56 100
69 166.3 26.6 39.8#
84 183.5 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 48.03 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion: 65 Resp: 86948
Ion Ratio Lower Upper
65 100
67 55.5 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.547 min Scan# 2117

Delta R.T. -0.003 min

Lab File: VN065839.D

Acq: 12 Feb 2021 15:29

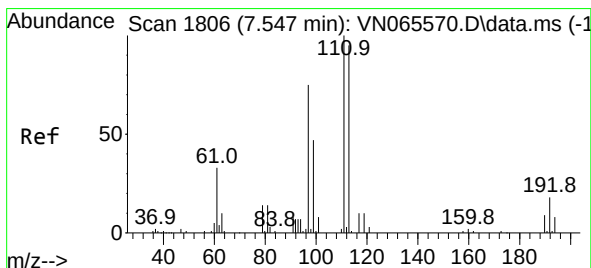
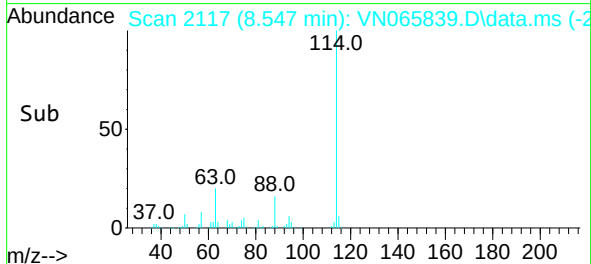
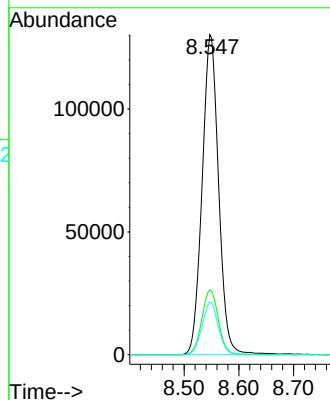
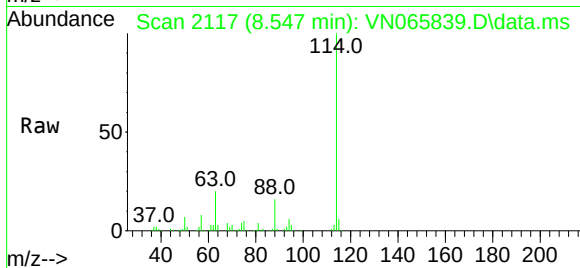
Tgt Ion:114 Resp: 272142

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.6

88 16.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.37 ug/l

RT: 7.547 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN065839.D

Acq: 12 Feb 2021 15:29

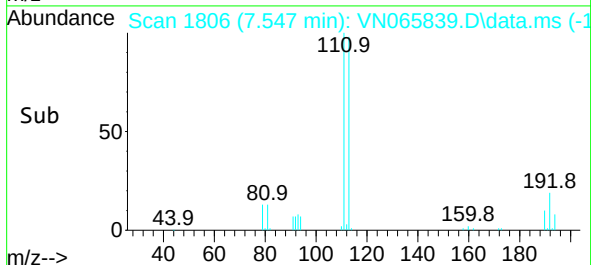
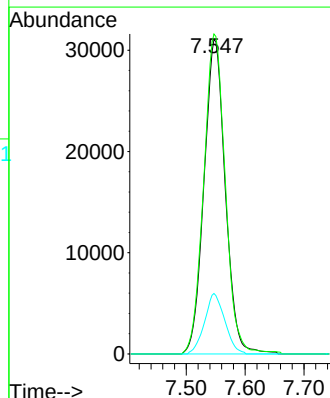
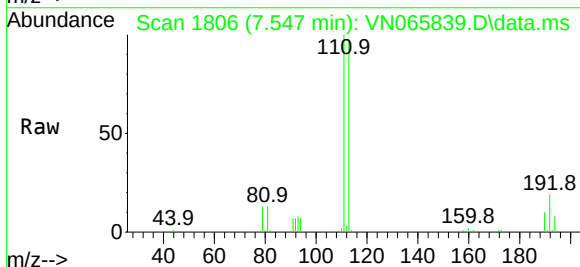
Tgt Ion:113 Resp: 78003

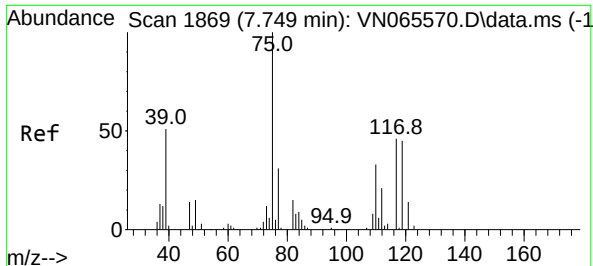
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 18.3 15.4 23.0

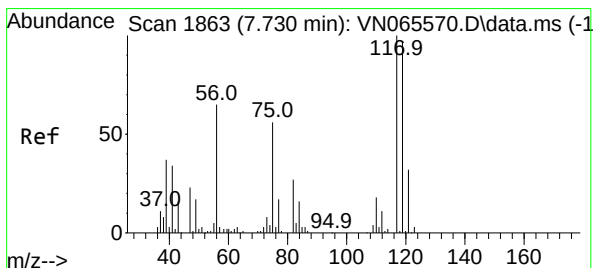
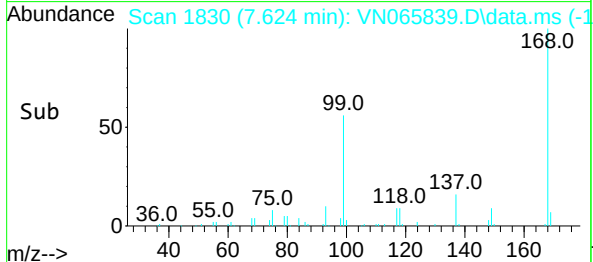
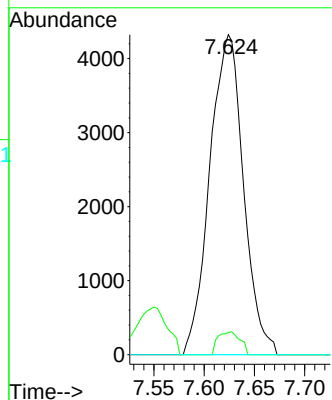
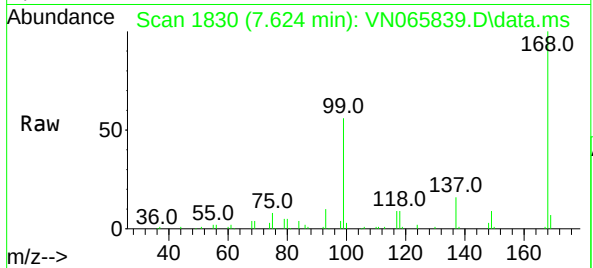




#36
1,1-Dichloropropene
Concen: 3.68 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

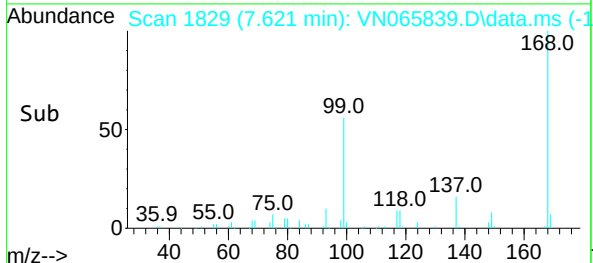
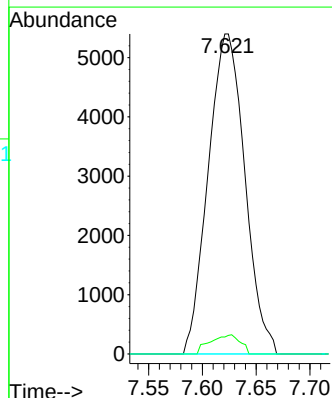
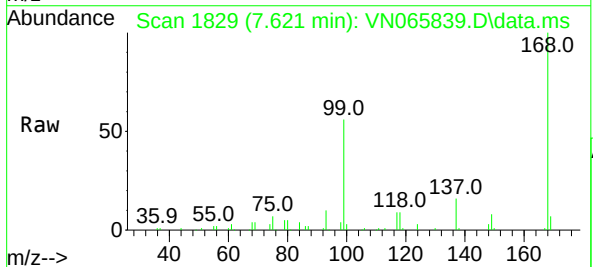
Instrument :
MSVOA_N
ClientSampleId :

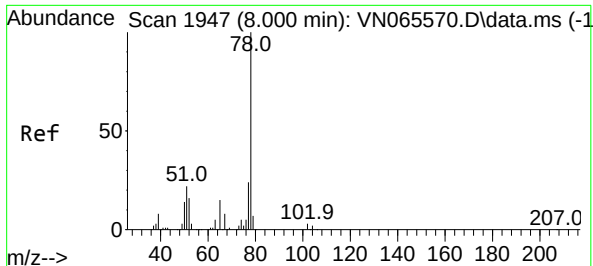
Tgt Ion: 75 Resp: 10087
Ion Ratio Lower Upper
75 100
110 4.7 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.67 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.109 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion: 117 Resp: 12791
Ion Ratio Lower Upper
117 100
119 5.3 76.0 114.0#
121 0.0 24.5 36.7#





#40

Benzene

Concen: 0.21 ug/l

RT: 8.000 min Scan# 1947

Delta R.T. 0.000 min

Lab File: VN065839.D

Acq: 12 Feb 2021 15:29

Tgt Ion: 78 Resp: 1733

Ion Ratio Lower Upper

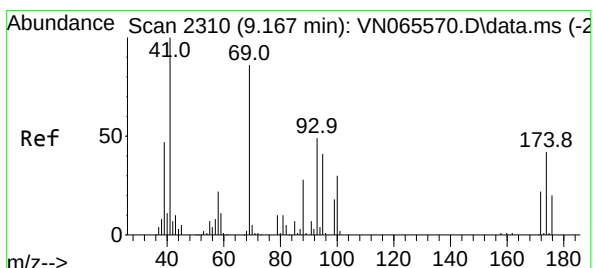
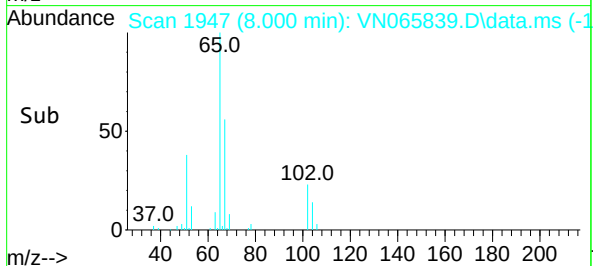
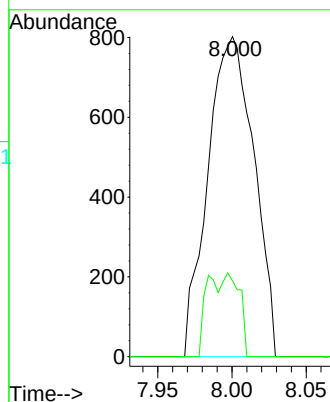
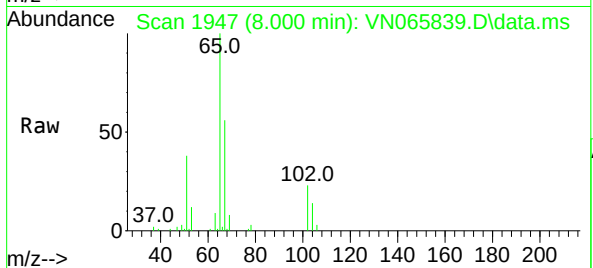
78 100

77 23.7 19.0 28.4

Instrument :

MSVOA_N

ClientSampled :



#48

Methyl methacrylate

Concen: 0.71 ug/l

RT: 9.135 min Scan# 2300

Delta R.T. -0.032 min

Lab File: VN065839.D

Acq: 12 Feb 2021 15:29

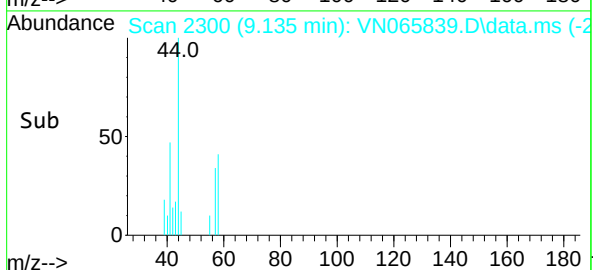
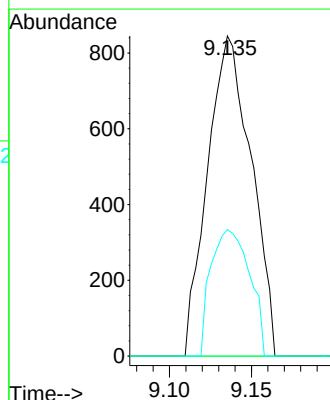
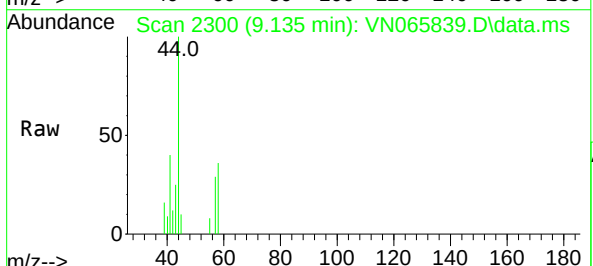
Tgt Ion: 41 Resp: 1561

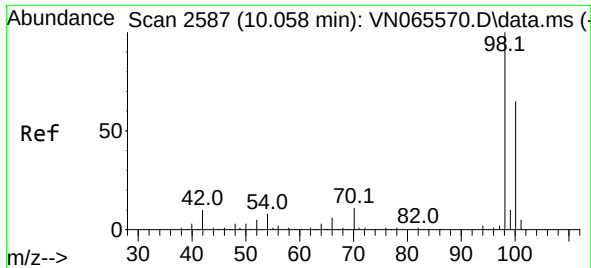
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

39 35.1 46.6 69.8#

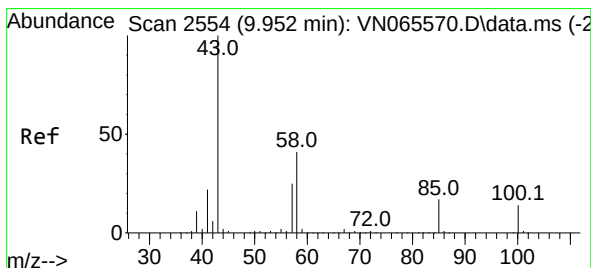
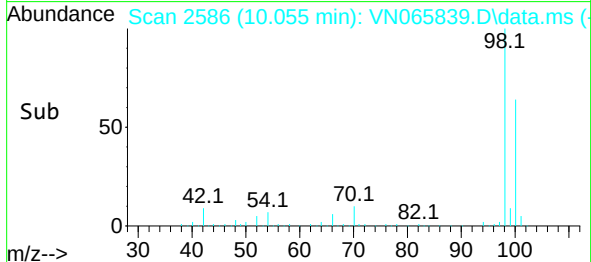
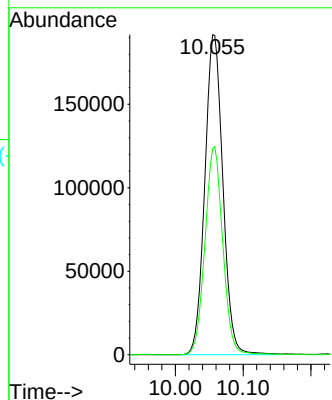
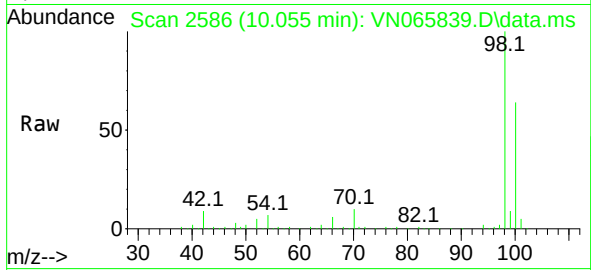




#50
Toluene-d8
Concen: 55.89 ug/l
RT: 10.055 min Scan# 2586
Delta R.T. -0.003 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

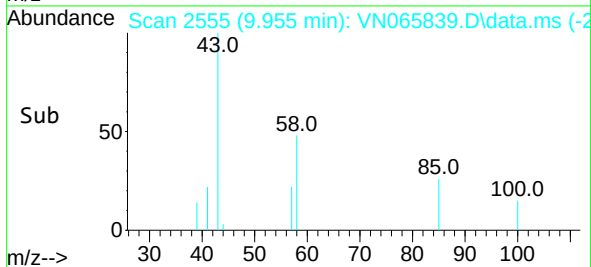
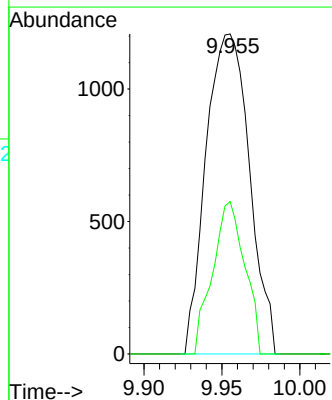
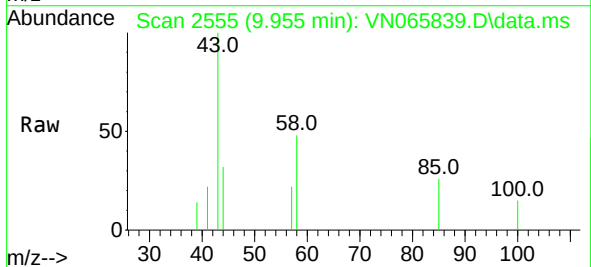
Instrument :
MSVOA_N
ClientSampled :

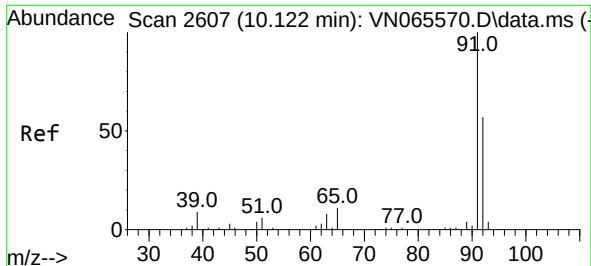
Tgt Ion: 98 Resp: 354320
Ion Ratio Lower Upper
98 100
100 64.2 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 0.91 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.003 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion: 43 Resp: 2341
Ion Ratio Lower Upper
43 100
58 35.2 32.5 48.7

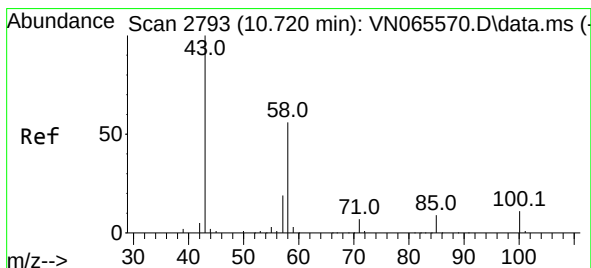
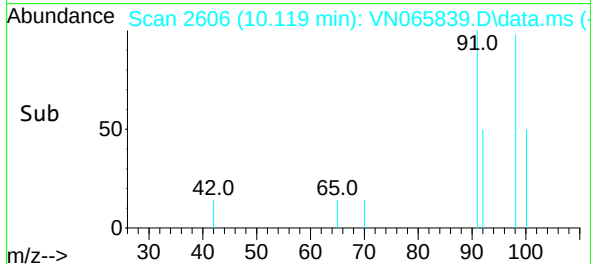
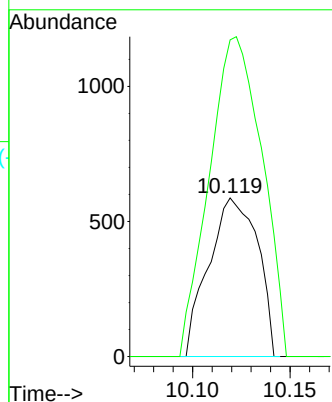
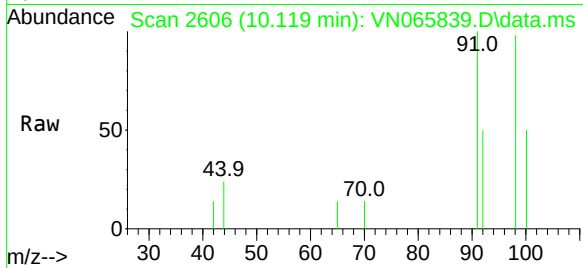




#52
Toluene
Concen: 0.21 ug/l
RT: 10.119 min Scan# 2606
Delta R.T. -0.003 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

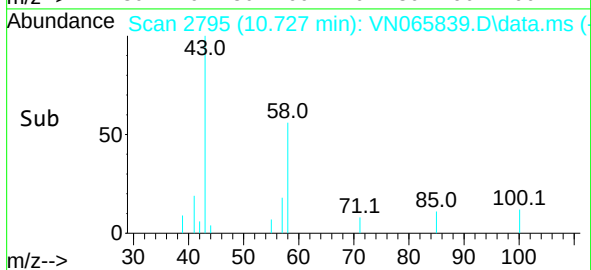
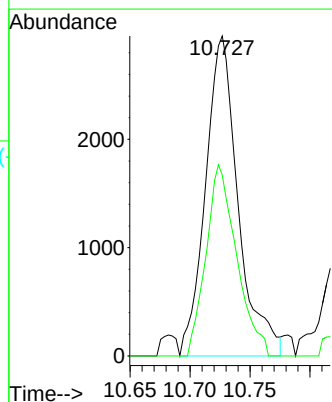
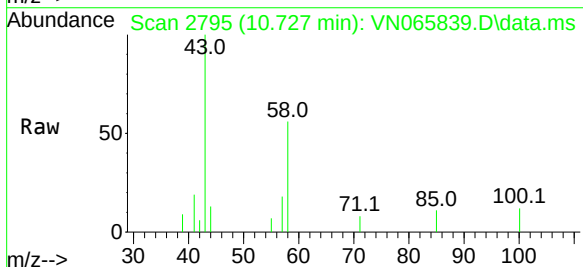
Instrument :
MSVOA_N
ClientSampled :

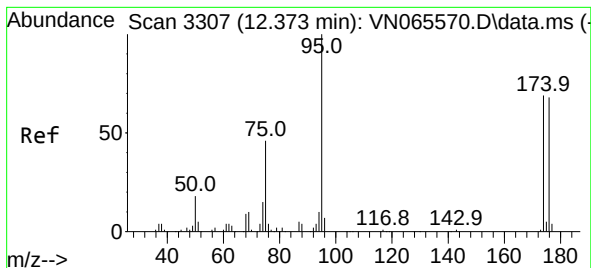
Tgt Ion: 92 Resp: 1027
Ion Ratio Lower Upper
92 100
91 217.2 140.7 211.1#



#59
2-Hexanone
Concen: 3.14 ug/l
RT: 10.727 min Scan# 2795
Delta R.T. 0.007 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion: 43 Resp: 5601
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3

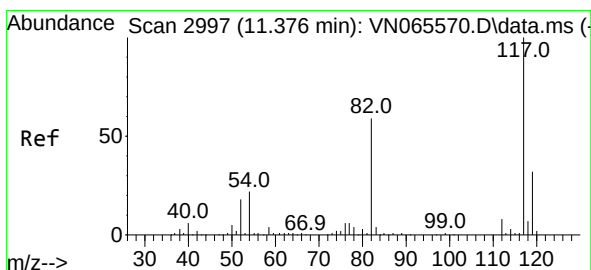
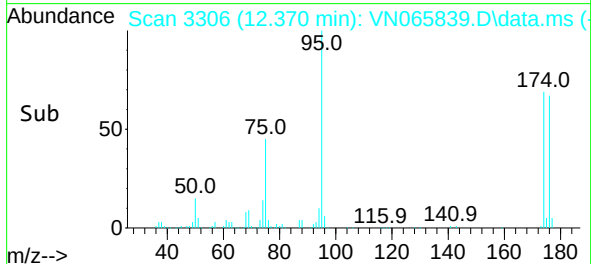
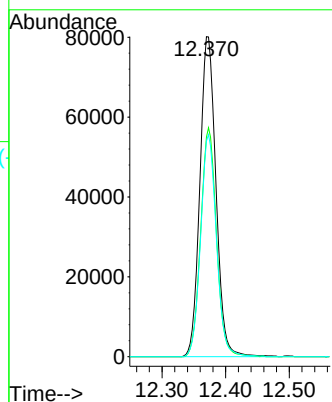
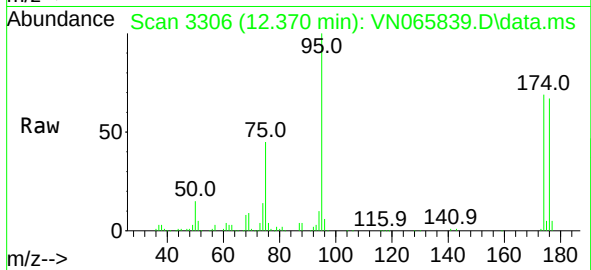




#62
4-Bromofluorobenzene
Concen: 61.73 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.003 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

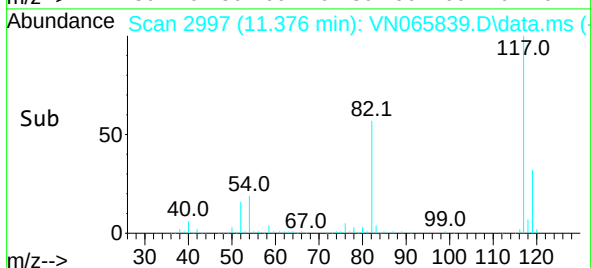
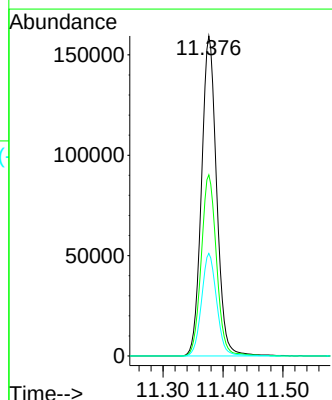
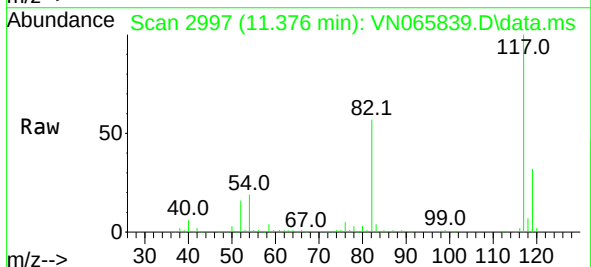
Instrument :
MSVOA_N
ClientSampleId :

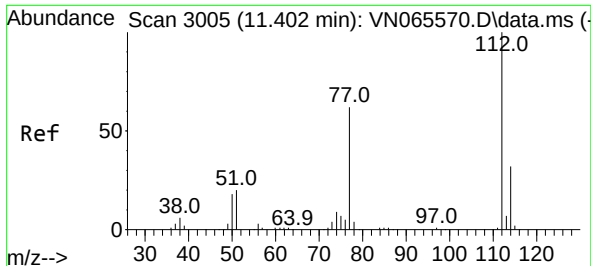
Tgt Ion: 95 Resp: 140911
Ion Ratio Lower Upper
95 100
174 70.1 0.0 169.0
176 68.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion: 117 Resp: 280835
Ion Ratio Lower Upper
117 100
82 56.6 43.7 65.5
119 32.1 26.1 39.1

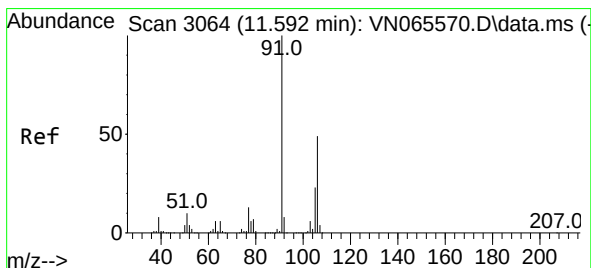
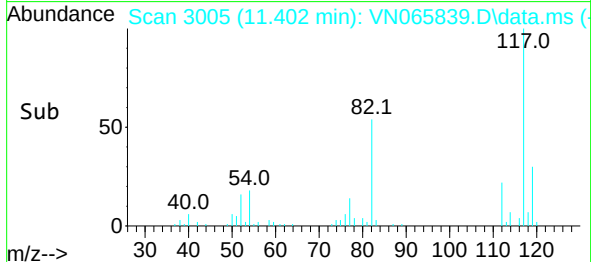
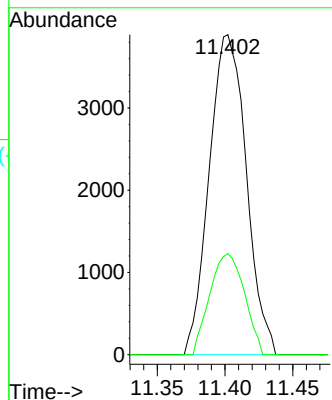
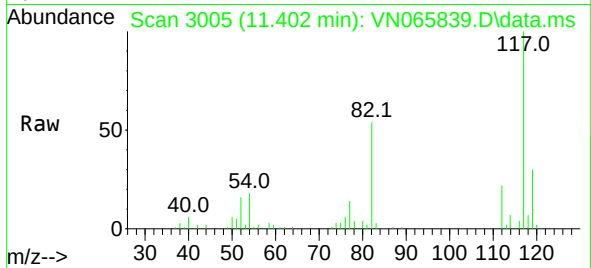




#65
Chlorobenzene
Concen: 1.26 ug/l
RT: 11.402 min Scan# 3005
Delta R.T. 0.000 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

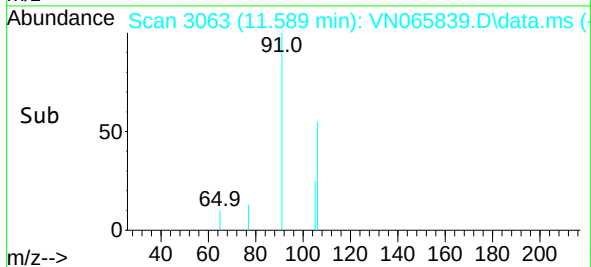
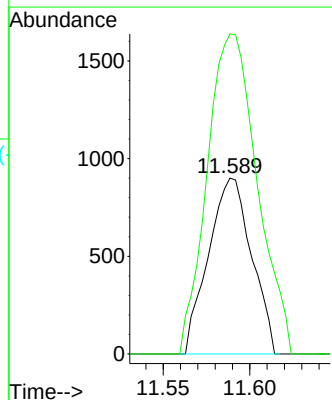
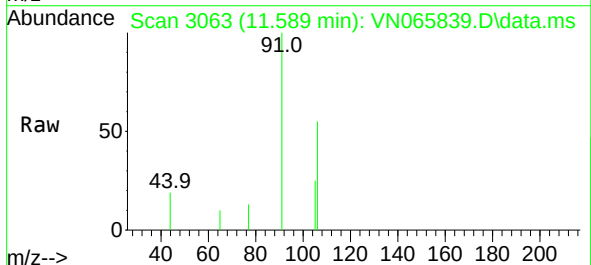
Instrument :
MSVOA_N
ClientSampled :

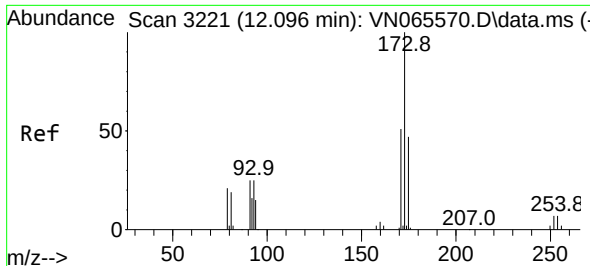
Tgt Ion:112 Resp: 7397
Ion Ratio Lower Upper
112 100
114 31.6 26.1 39.1



#68
m/p-Xylenes
Concen: 0.39 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion:106 Resp: 1556
Ion Ratio Lower Upper
106 100
91 211.3 161.4 242.0

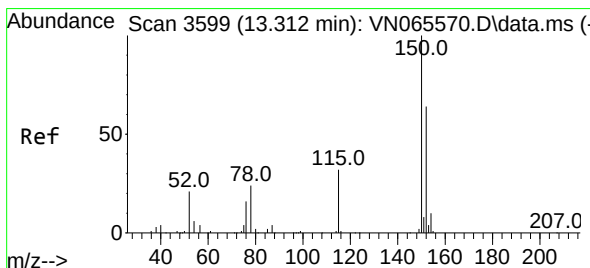
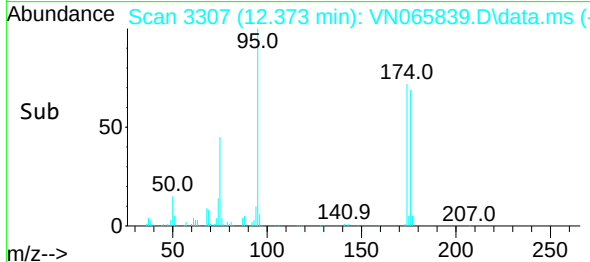
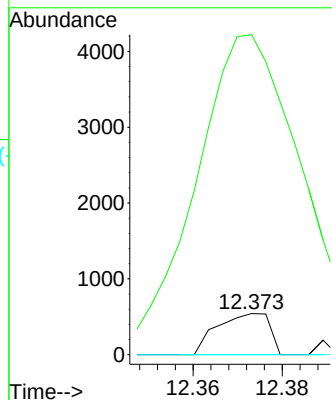
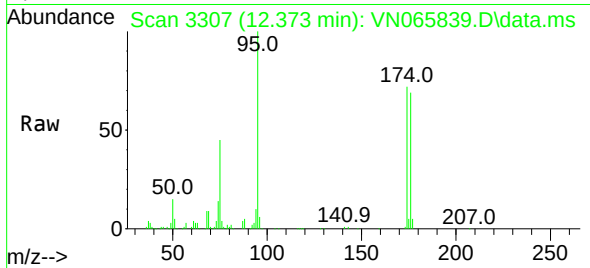




#71
Bromoform
Concen: 0.31 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.277 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

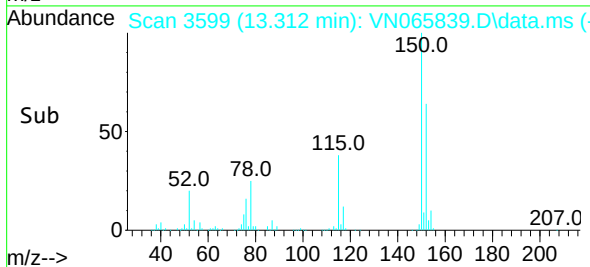
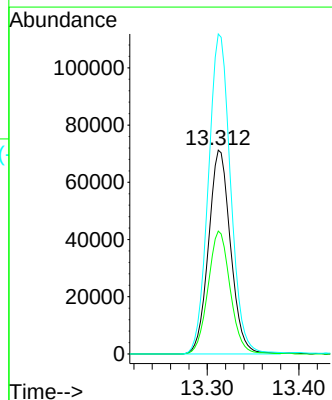
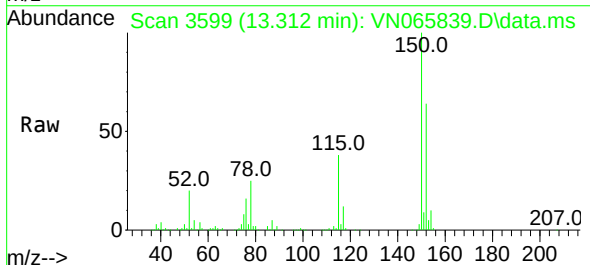
Instrument :
MSVOA_N
ClientSampled :

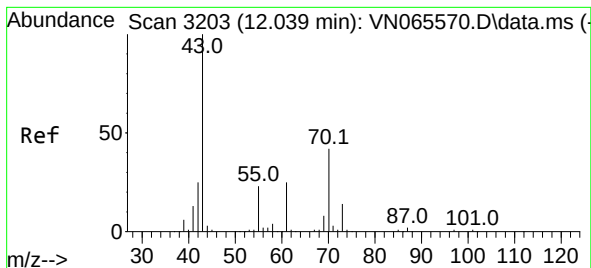
Tgt Ion:173 Resp: 444
Ion Ratio Lower Upper
173 100
175 1339.6 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.312 min Scan# 3599
Delta R.T. -0.000 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion:152 Resp: 119142
Ion Ratio Lower Upper
152 100
115 60.5 28.5 85.6
150 158.5 0.0 347.6



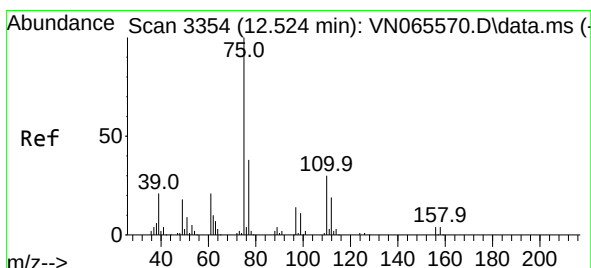
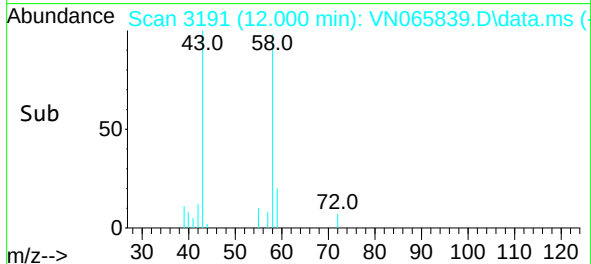
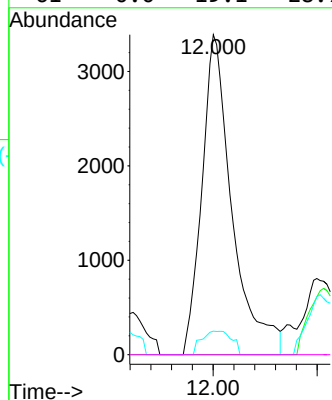
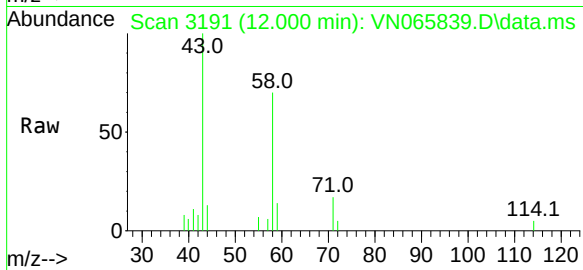


#74
N-amy1 acetate
Concen: 1.55 ug/l
RT: 12.000 min Scan# 3191
Delta R.T. -0.039 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 6823

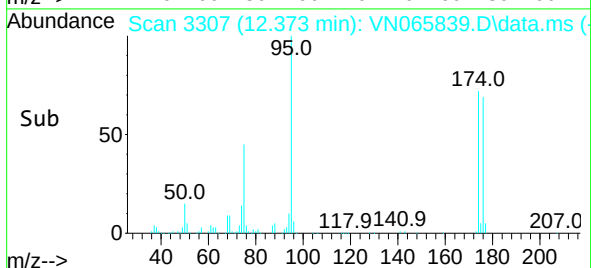
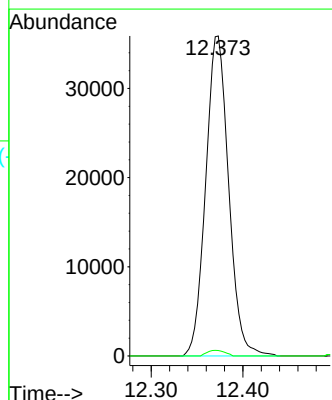
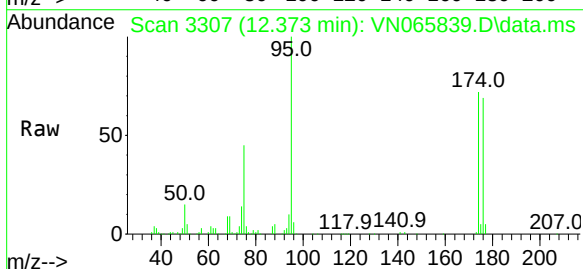
Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	7.3	20.7	31.1#
61	0.0	19.1	28.7#

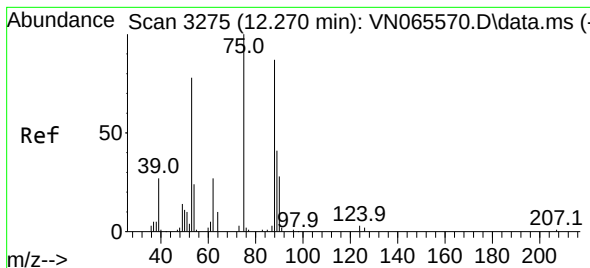


#76
1,2,3-Trichloropropane
Concen: 20.04 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion: 75 Resp: 62419

Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#

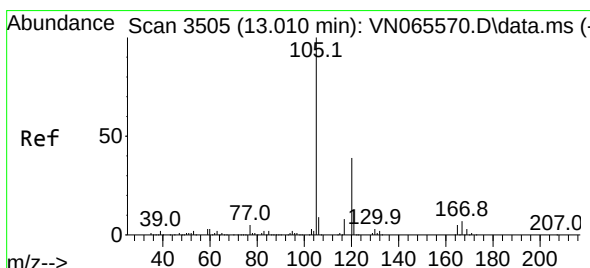
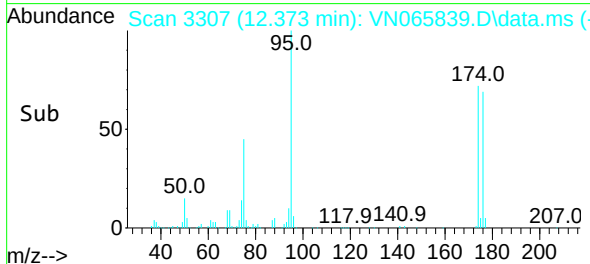
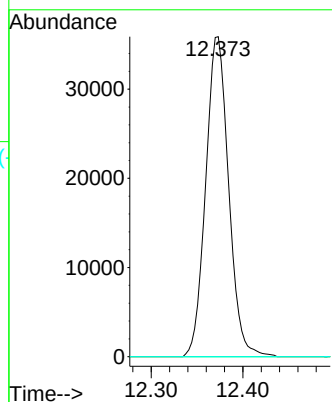
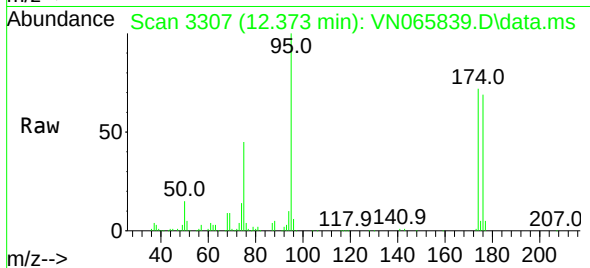




#81
trans-1,4-Dichloro-2-butene
Concen: 51.32 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

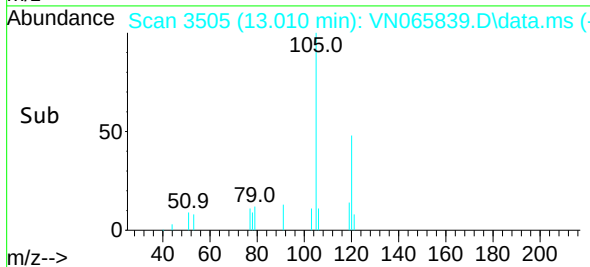
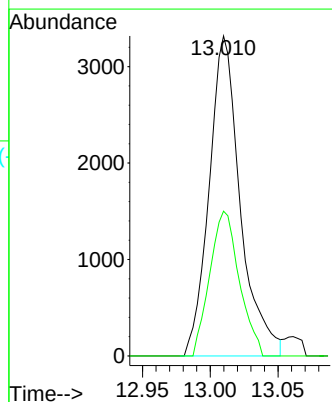
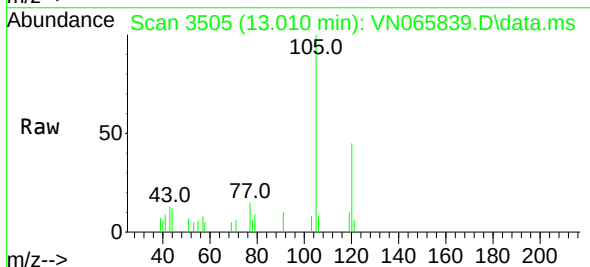
Instrument :
MSVOA_N
ClientSampled :

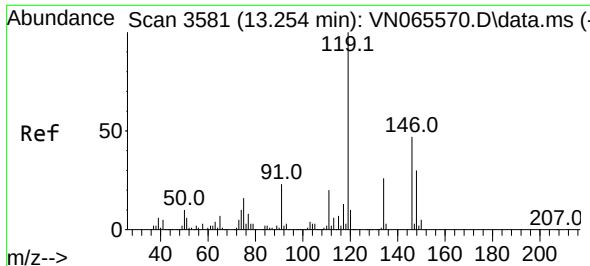
Tgt Ion: 75 Resp: 62419
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.60 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion:105 Resp: 5297
Ion Ratio Lower Upper
105 100
120 42.8 22.4 67.0

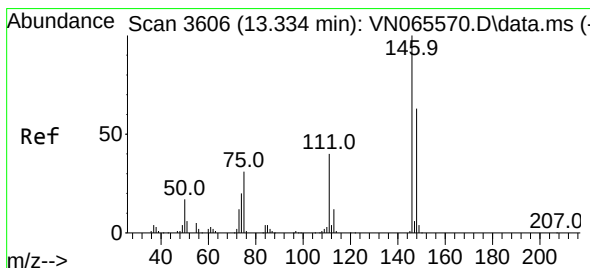
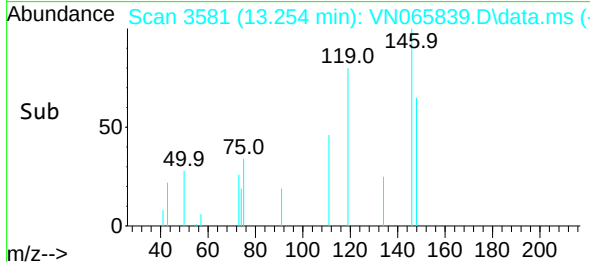
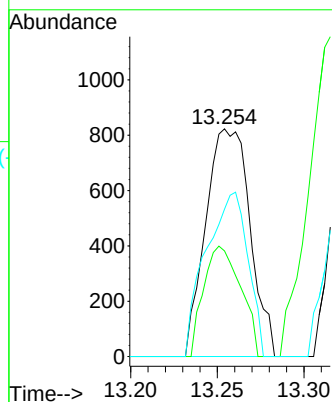
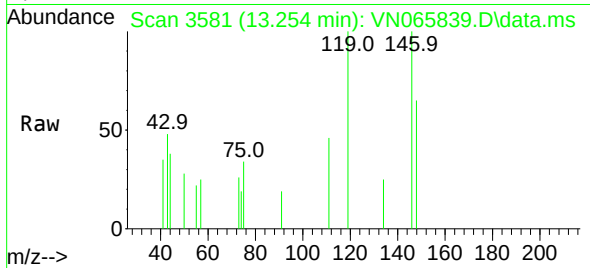




#87
1,3-Dichlorobenzene
Concen: 0.36 ug/l
RT: 13.254 min Scan# 3581
Delta R.T. 0.000 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

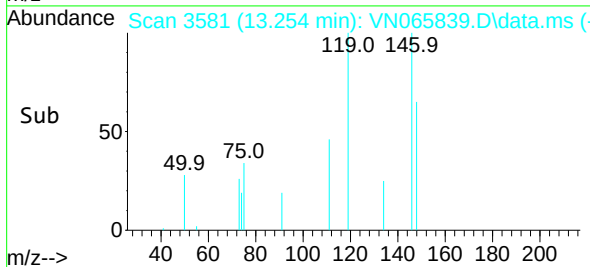
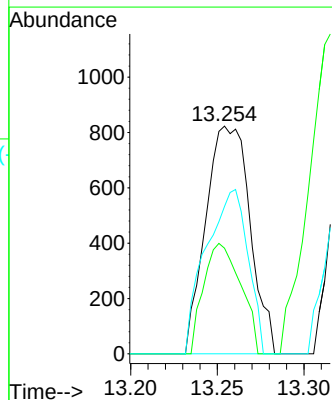
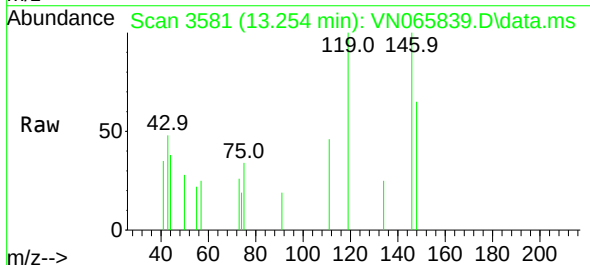
Instrument :
MSVOA_N
ClientSampled :

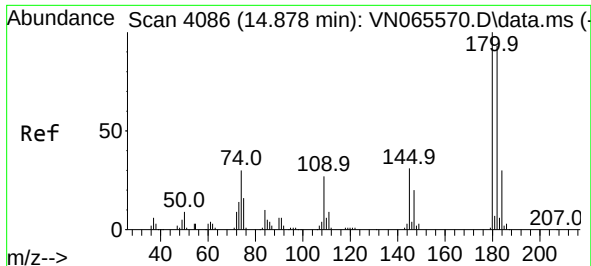
Tgt Ion:146 Resp: 1462
Ion Ratio Lower Upper
146 100
111 40.6 19.5 58.5
148 68.4 32.3 96.9



#88
1,4-Dichlorobenzene
Concen: 0.36 ug/l
RT: 13.254 min Scan# 3581
Delta R.T. -0.080 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

Tgt Ion:146 Resp: 1462
Ion Ratio Lower Upper
146 100
111 40.6 19.0 57.0
148 68.4 31.8 95.3

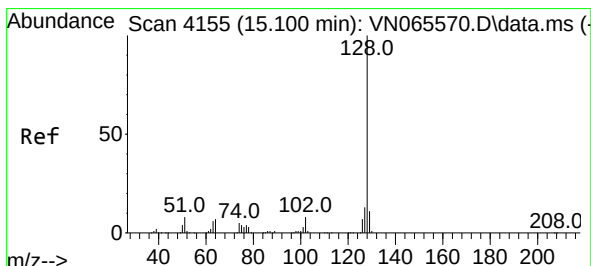
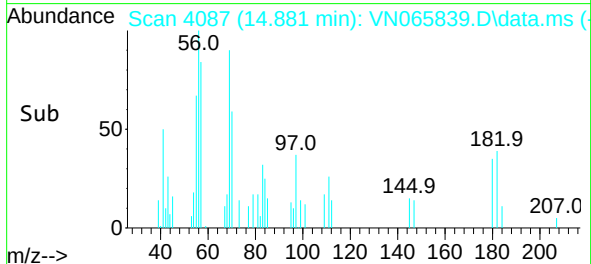
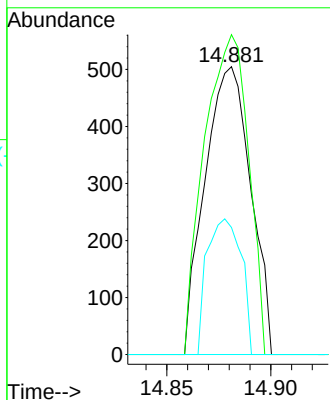
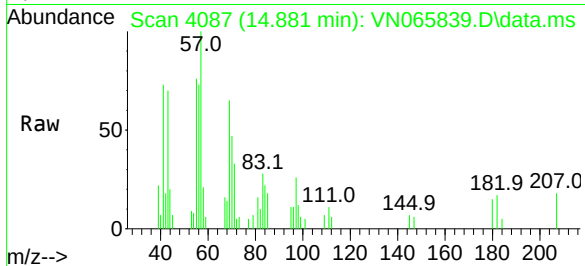




#93
1,2,4-Trichlorobenzene
Concen: 3.66 ug/l
RT: 14.881 min Scan# 4087
Delta R.T. 0.003 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

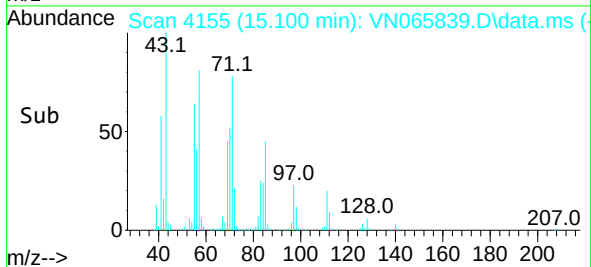
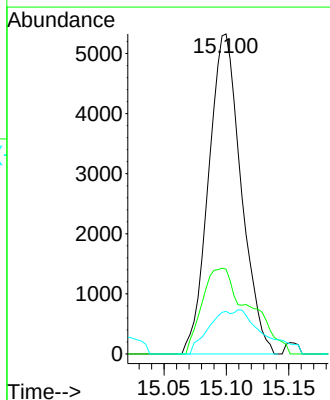
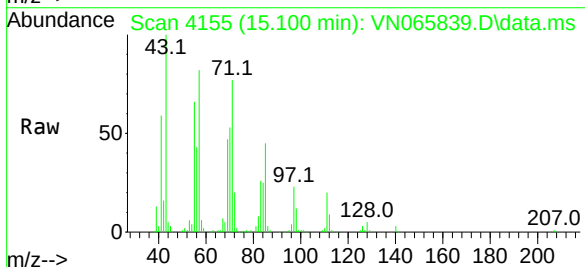
Instrument :
MSVOA_N
ClientSampled :

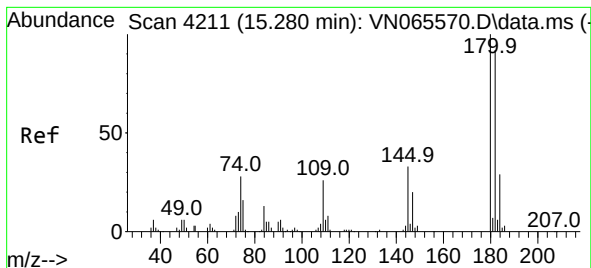
Tgt Ion:180 Resp: 774
Ion Ratio Lower Upper
180 100
182 107.2 47.3 142.0
145 35.1 15.6 46.8



#95
Naphthalene
Concen: 4.62 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. -0.000 min
Lab File: VN065839.D
Acq: 12 Feb 2021 15:29

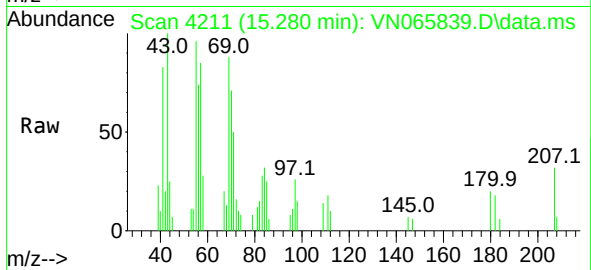
Tgt Ion:128 Resp: 9669
Ion Ratio Lower Upper
128 100
127 39.0 10.2 15.2#
129 9.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 3.12 ug/l
 RT: 15.280 min Scan# 4211
 Delta R.T. -0.000 min
 Lab File: VN065839.D
 Acq: 12 Feb 2021 15:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	697
Ion	Ratio	Lower	Upper
180	100		
182	83.4	47.4	142.3
145	35.0	16.5	49.5

