

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020821\
 Data File : VN065754.D
 Acq On : 8 Feb 2021 14:46
 Operator : JC/MD
 Sample : M1318-03 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31408-31410

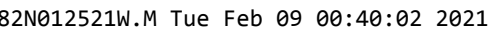
Quant Time: Feb 09 00:39:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.621	168	190972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	320550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	286117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	105600	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.984	65	111334	44.31	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.62%		
35) Dibromofluoromethane	7.547	113	92931	48.92	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.84%		
50) Toluene-d8	10.055	98	399105	53.45	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.90%		
62) 4-Bromofluorobenzene	12.373	95	128769	47.89	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.78%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.763	59	4091	8.69	ug/l #	79
13) Acrolein	3.557	56	143	18.41	ug/l #	1
16) Acetone	3.782	43	12254	12.53	ug/l	94
18) Methyl Acetate	4.283	43	17951	6.55	ug/l	98
25) 2-Butanone	6.798	43	10535	6.87	ug/l	98
31) Cyclohexane	7.618	56	3376	0.71	ug/l #	1
36) 1,1-Dichloropropene	7.624	75	13674	4.24	ug/l #	46
37) Ethyl Acetate	6.798	43	10535	3.40	ug/l #	68
38) Carbon Tetrachloride	7.621	117	17645	6.64	ug/l #	17
40) Benzene	8.004	78	14229	1.44	ug/l	98
43) Isopropyl Acetate	8.251	43	1350	0.25	ug/l #	53
48) Methyl methacrylate	9.132	41	5705	2.19	ug/l #	33
49) 1,4-Dioxane	9.168	88	1022	24.26	ug/l #	26
51) 4-Methyl-2-Pentanone	9.955	43	668	0.22	ug/l #	35
52) Toluene	10.122	92	12403	2.13	ug/l	99
67) Ethyl Benzene	11.483	91	3464	0.31	ug/l	89
68) m/p-Xylenes	11.589	106	7011	1.72	ug/l	98
69) o-Xylene	11.920	106	2575	0.65	ug/l	91
70) Styrene	11.936	104	1961	0.30	ug/l	94
76) 1,2,3-Trichloropropane	12.373	75	58286	21.11	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.373	75	58286	54.06	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.010	105	2424	0.31	ug/l	93
95) Naphthalene	15.100	128	4709	4.09	ug/l #	93

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

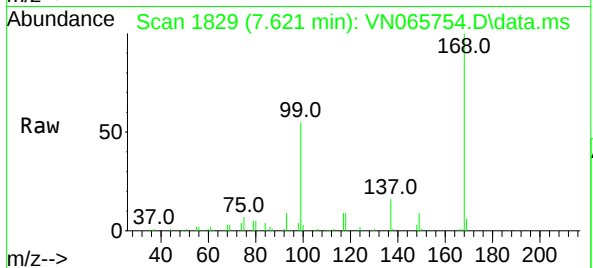
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:47:28 2021
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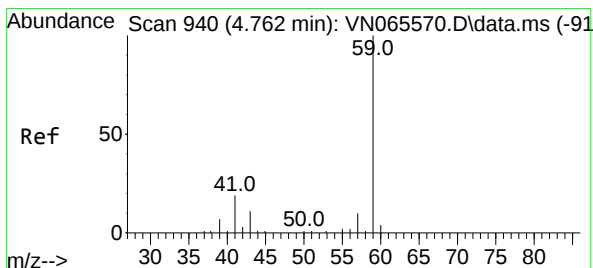
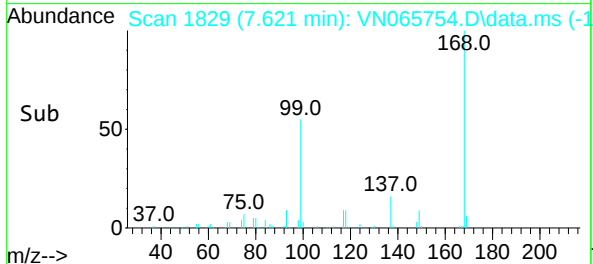
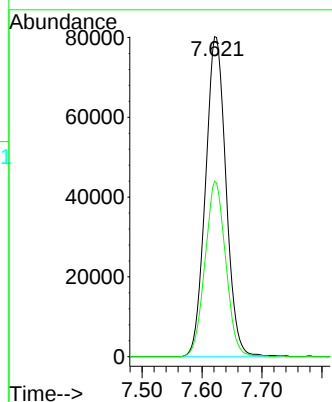


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.003 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Instrument :
MSVOA_N
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31408-31410

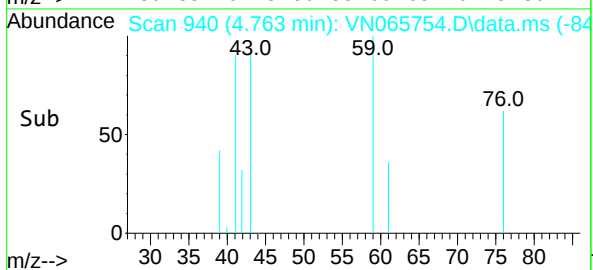
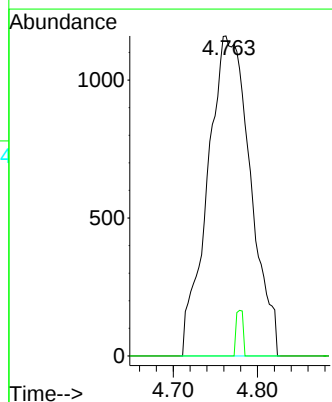
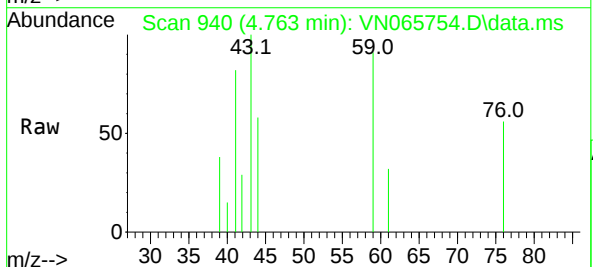


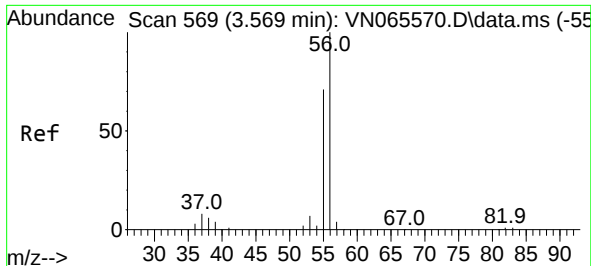
Tgt Ion:168 Resp: 190972
Ion Ratio Lower Upper
168 100
99 54.8 42.6 63.8



#11
Tert butyl alcohol
Concen: 8.69 ug/l
RT: 4.763 min Scan# 940
Delta R.T. 0.001 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Tgt Ion: 59 Resp: 4091
Ion Ratio Lower Upper
59 100
57 2.3 8.0 12.0#

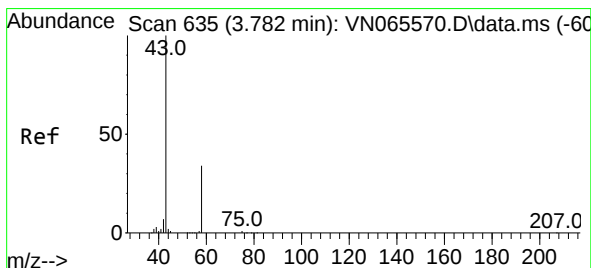
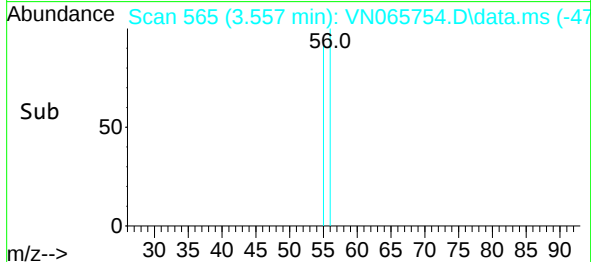
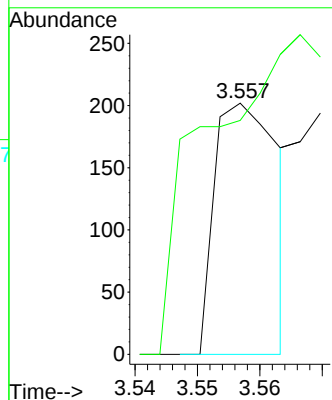
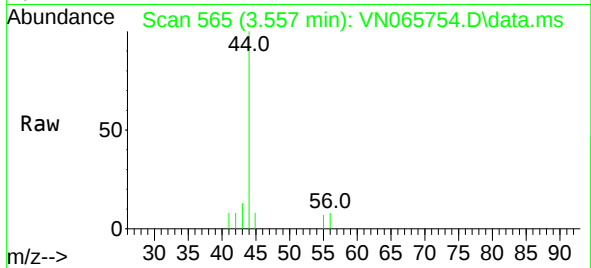




#13
Acrolein
Concen: 18.41 ug/l
RT: 3.557 min Scan# 565
Delta R.T. -0.012 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

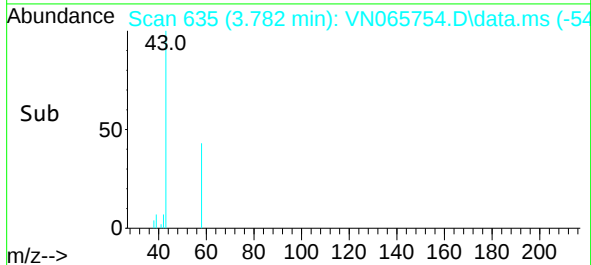
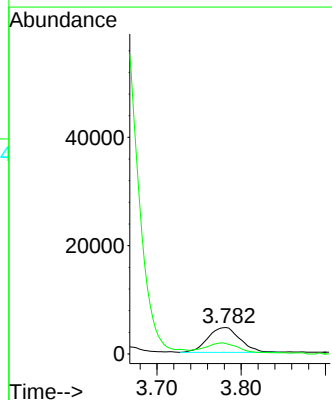
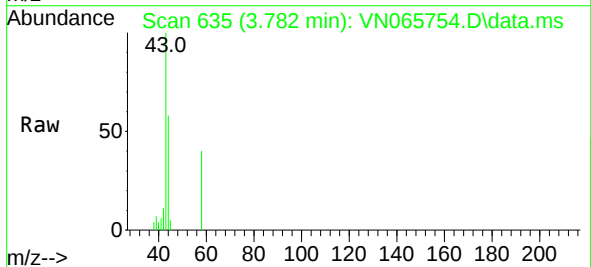
Instrument :
MSVOA_N
ClientSampleId :
31408-31410

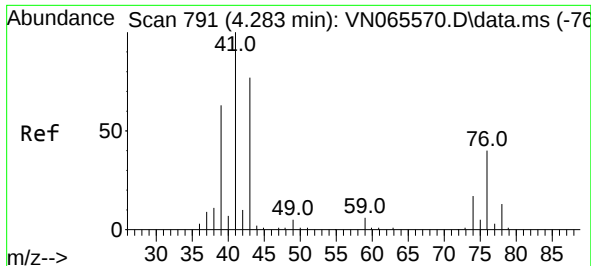
Tgt Ion: 56 Resp: 143
Ion Ratio Lower Upper
56 100
55 276.2 56.0 84.0#



#16
Acetone
Concen: 12.53 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

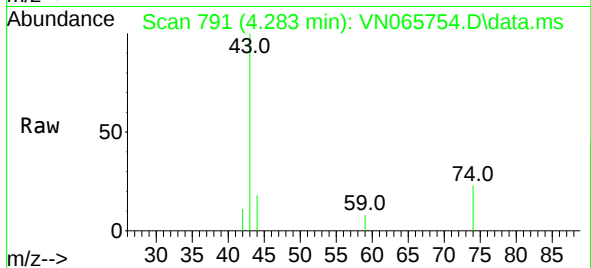
Tgt Ion: 43 Resp: 12254
Ion Ratio Lower Upper
43 100
58 37.5 27.0 40.6



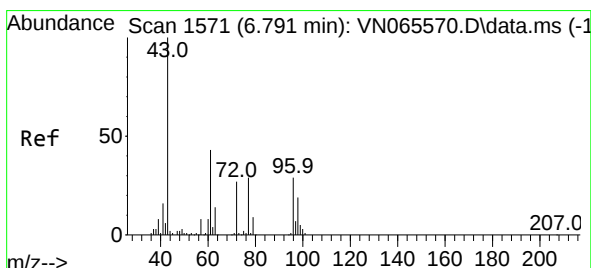
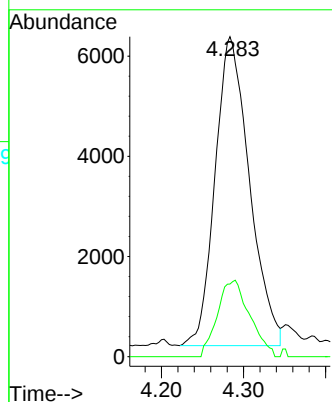
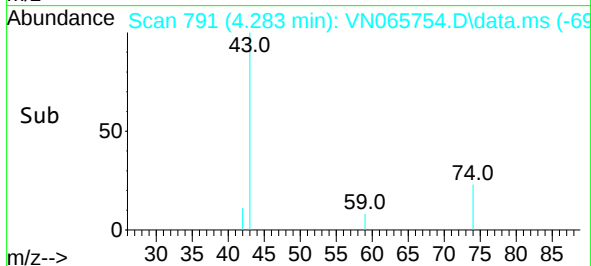


#18
Methyl Acetate
Concen: 6.55 ug/l
RT: 4.283 min Scan# 791
Delta R.T. 0.000 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

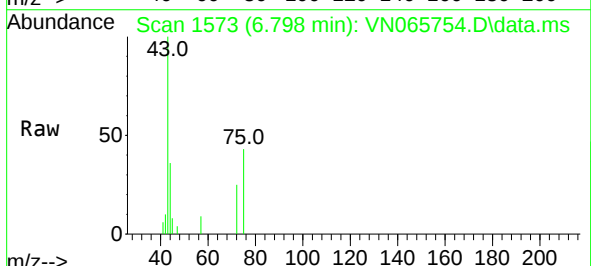
Instrument :
MSVOA_N
ClientSampleId :
31408-31410



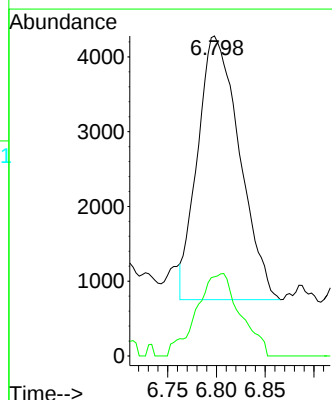
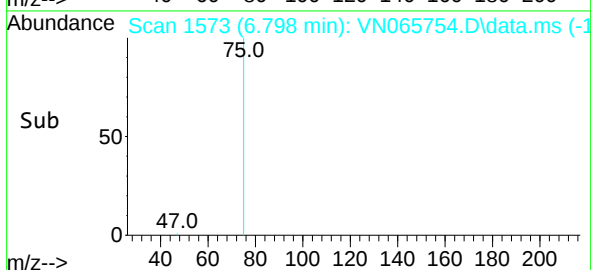
Tgt Ion: 43 Resp: 17951
Ion Ratio Lower Upper
43 100
74 23.2 19.5 29.3

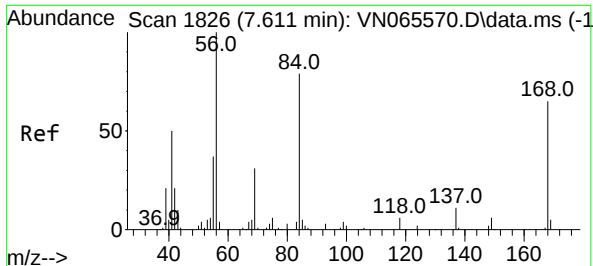


#25
2-Butanone
Concen: 6.87 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. 0.007 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46



Tgt Ion: 43 Resp: 10535
Ion Ratio Lower Upper
43 100
72 30.0 23.1 34.7





#31

Cyclohexane

Concen: 0.71 ug/l

RT: 7.618 min Scan# 1828

Delta R.T. 0.007 min

Lab File: VN065754.D

Acq: 8 Feb 2021 14:46

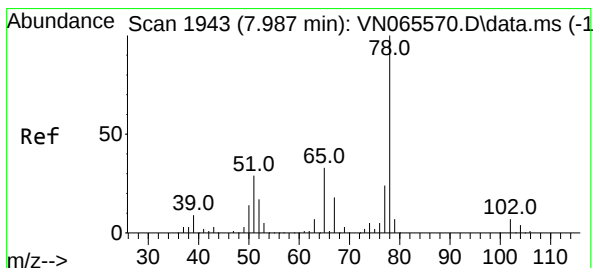
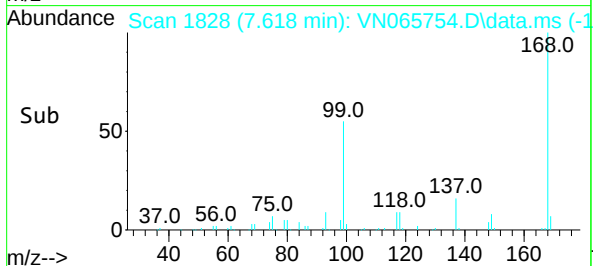
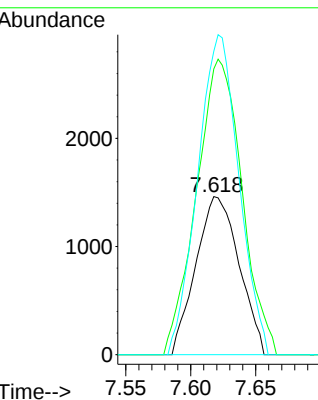
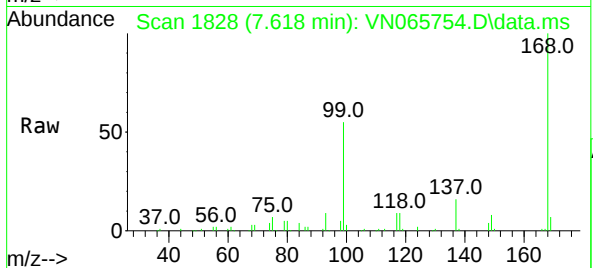
Tgt Ion: 56 Resp: 3376

Ion Ratio Lower Upper

56 100

69 170.3 26.6 39.8#

84 192.0 70.4 105.6#



#33

1,2-Dichloroethane-d4

Concen: 44.31 ug/l

RT: 7.984 min Scan# 1942

Delta R.T. -0.003 min

Lab File: VN065754.D

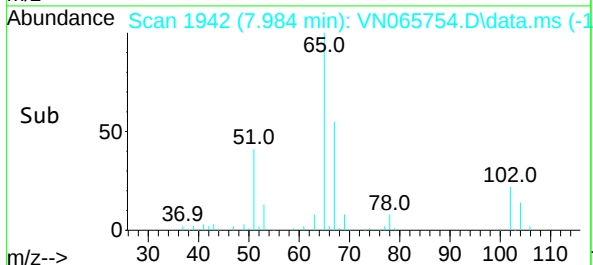
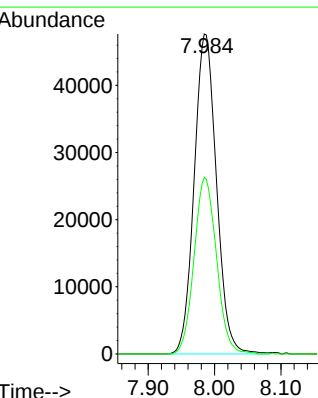
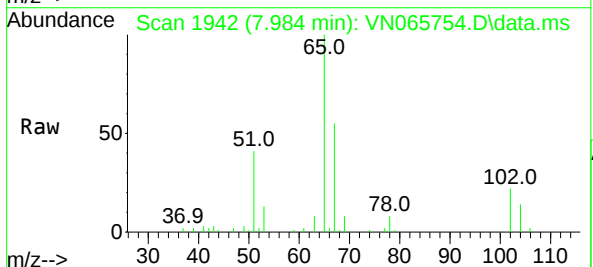
Acq: 8 Feb 2021 14:46

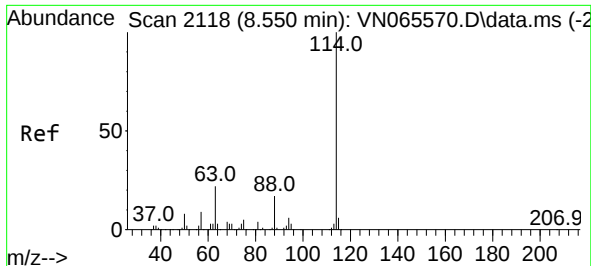
Tgt Ion: 65 Resp: 111334

Ion Ratio Lower Upper

65 100

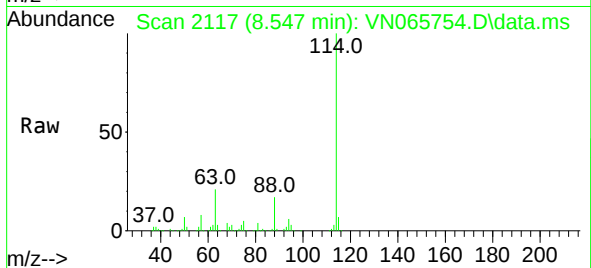
67 55.5 0.0 107.2



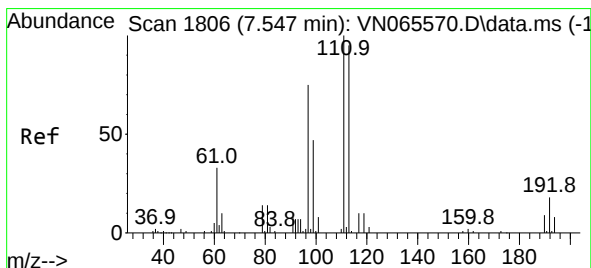
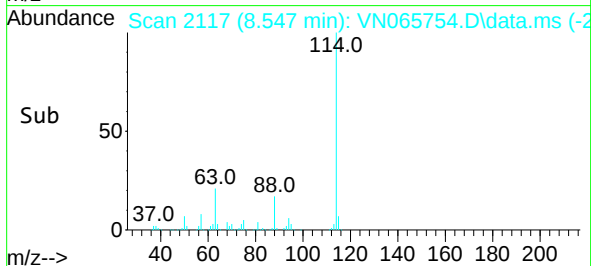
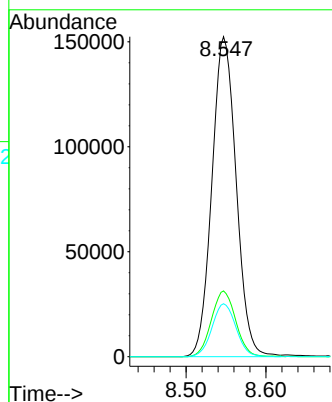


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Instrument :
MSVOA_N
ClientSampleId :
31408-31410

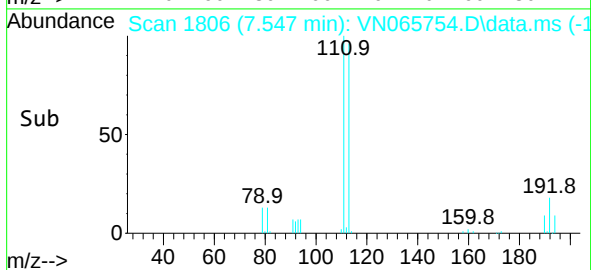
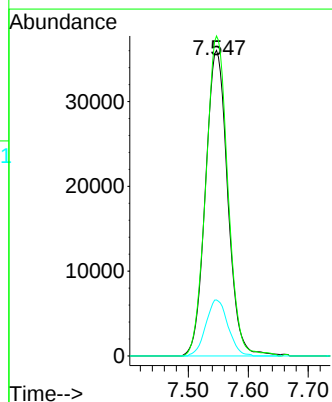
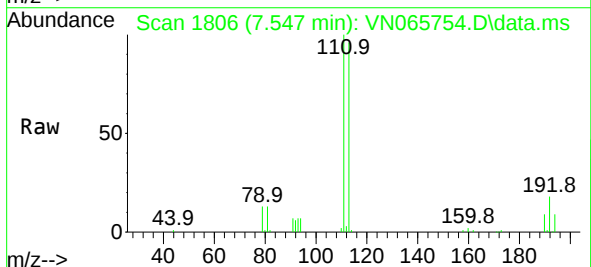


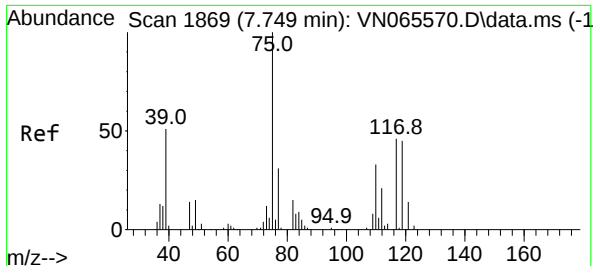
Tgt Ion:114 Resp: 320550
Ion Ratio Lower Upper
114 100
63 20.6 0.0 38.6
88 16.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.92 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Tgt Ion:113 Resp: 92931
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 18.3 15.4 23.0

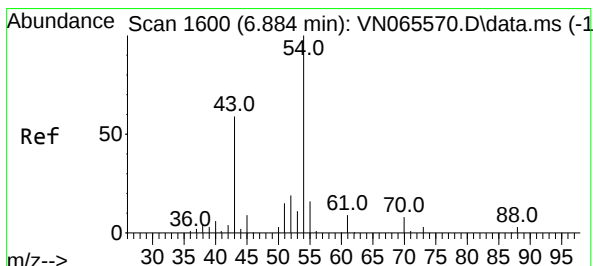
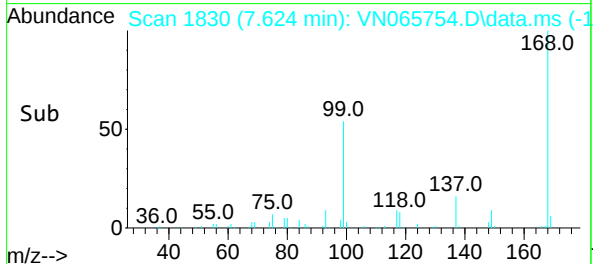
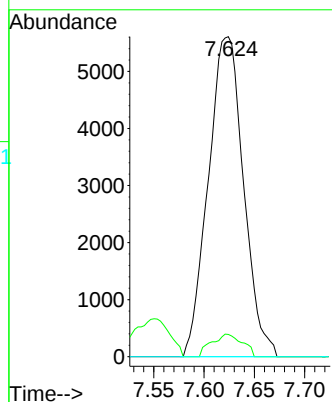
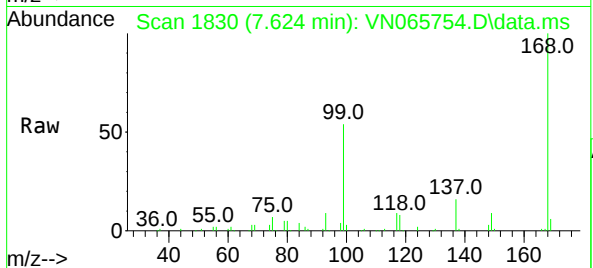




#36
1,1-Dichloropropene
Concen: 4.24 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

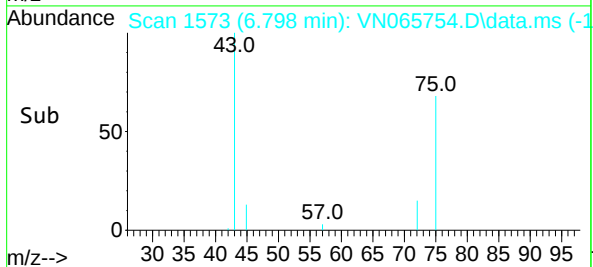
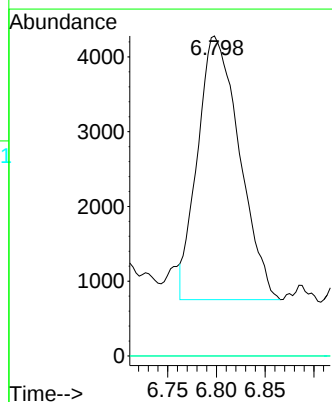
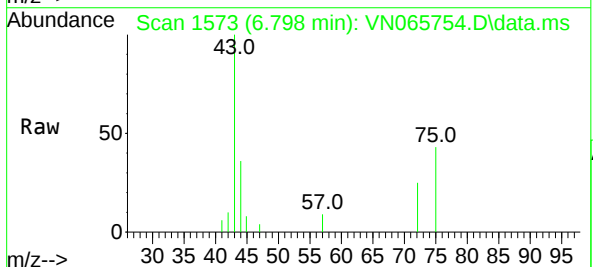
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ClientSampleId :
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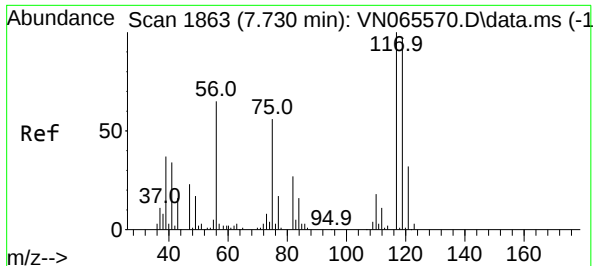
Tgt Ion: 75 Resp: 13674
Ion Ratio Lower Upper
75 100
110 6.2 18.2 54.6#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 3.40 ug/l
RT: 6.798 min Scan# 1573
Delta R.T. -0.086 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Tgt Ion: 43 Resp: 10535
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#

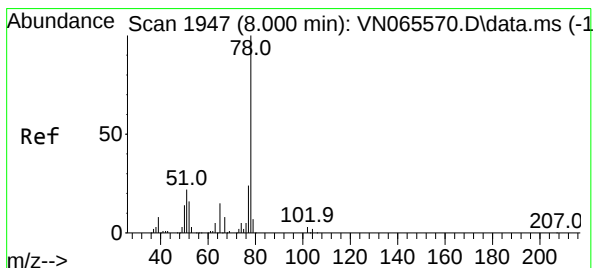
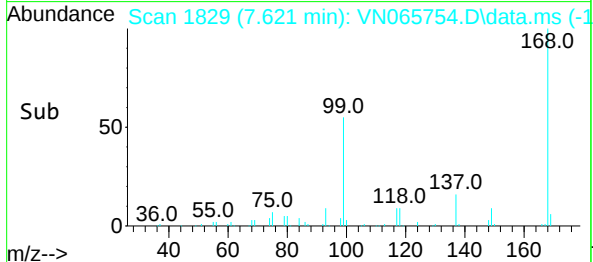
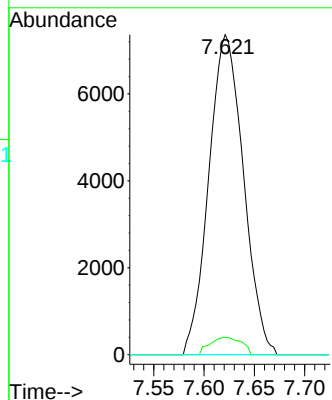
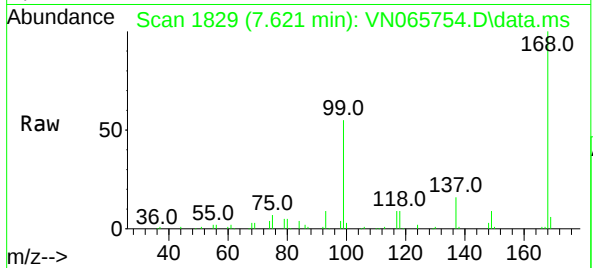




#38
Carbon Tetrachloride
Concen: 6.64 ug/l
RT: 7.621 min Scan# 1829
Delta R.T. -0.109 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

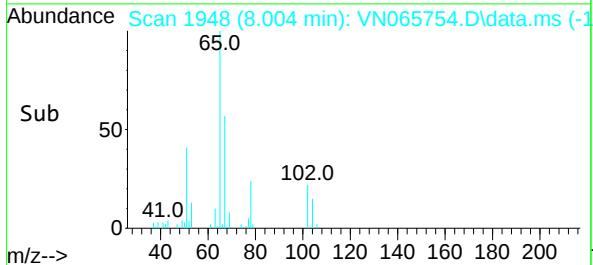
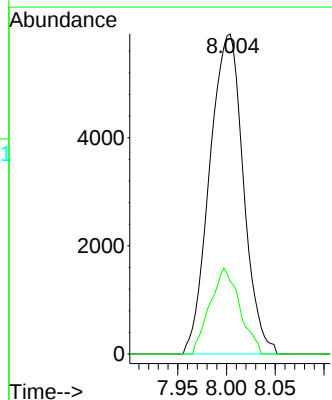
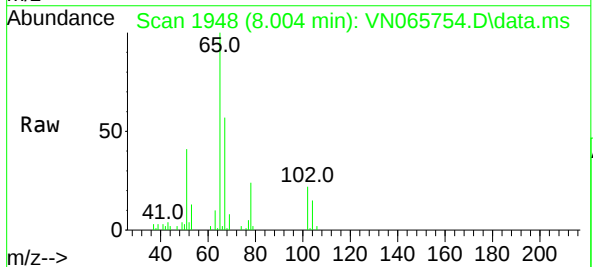
Instrument :
MSVOA_N
ClientSampleId :
31408-31410

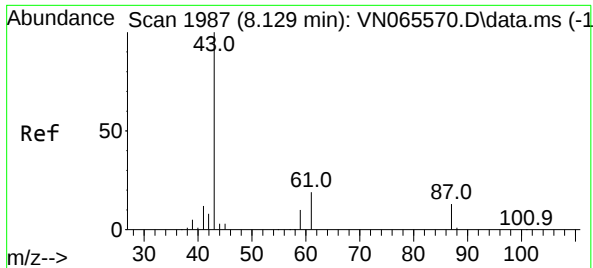
Tgt Ion:117 Resp: 17645
Ion Ratio Lower Upper
117 100
119 5.4 76.0 114.0#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 1.44 ug/l
RT: 8.004 min Scan# 1948
Delta R.T. 0.004 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Tgt Ion: 78 Resp: 14229
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.4

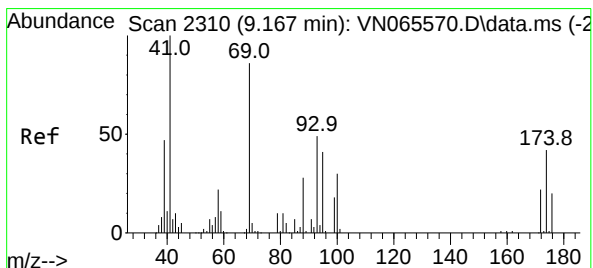
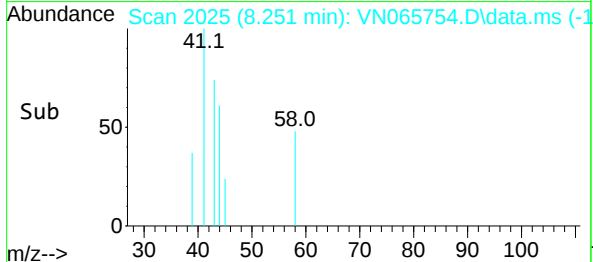
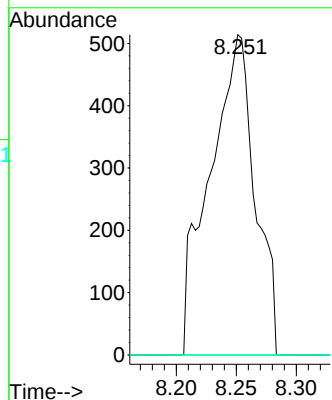
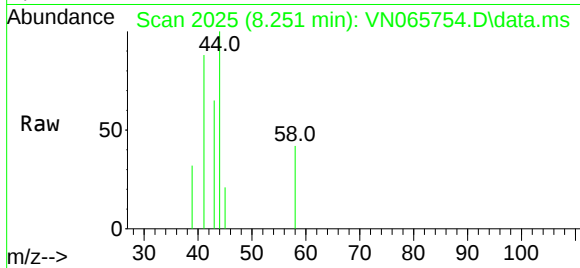




#43
Isopropyl Acetate
Concen: 0.25 ug/l
RT: 8.251 min Scan# 2025
Delta R.T. 0.122 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

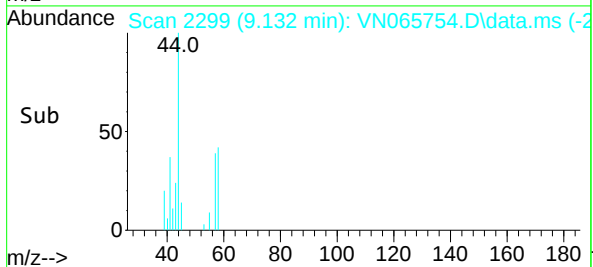
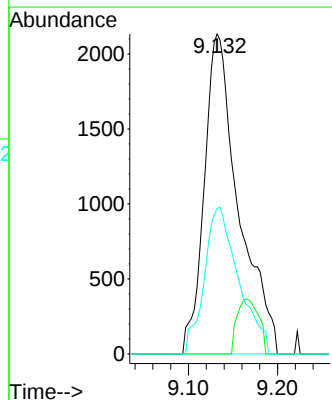
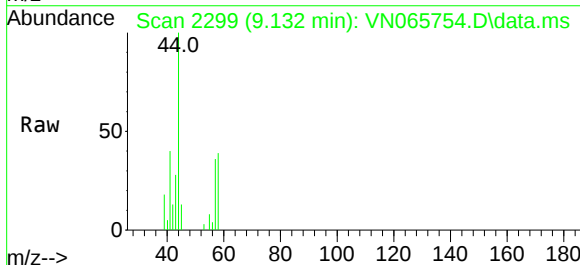
Instrument :
MSVOA_N
ClientSampleId :
31408-31410

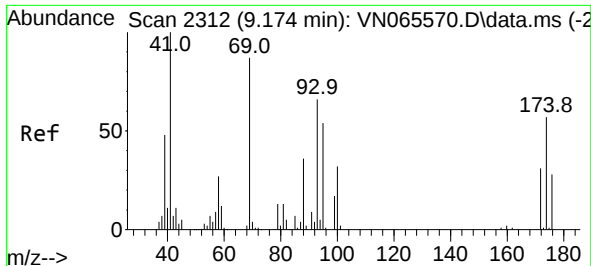
Tgt Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
61 0.0 22.5 33.7#
87 0.0 11.1 16.7#



#48
Methyl methacrylate
Concen: 2.19 ug/l
RT: 9.132 min Scan# 2299
Delta R.T. -0.035 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Tgt Ion: 41 Resp: 5705
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 45.9 46.6 69.8#





#49

1,4-Dioxane

Concen: 24.26 ug/l

RT: 9.168 min Scan# 2310

Delta R.T. -0.006 min

Lab File: VN065754.D

Acq: 8 Feb 2021 14:46

Tgt Ion: 88 Resp: 1022

Ion Ratio Lower Upper

88 100

43 0.0 24.7 37.1#

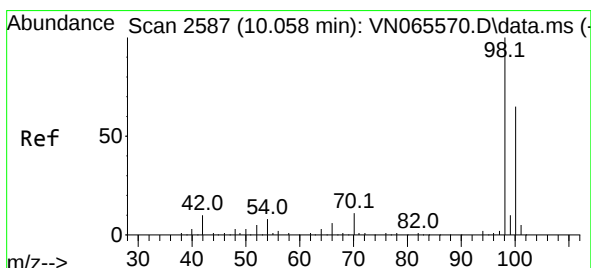
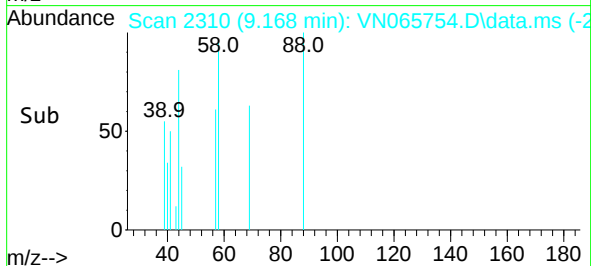
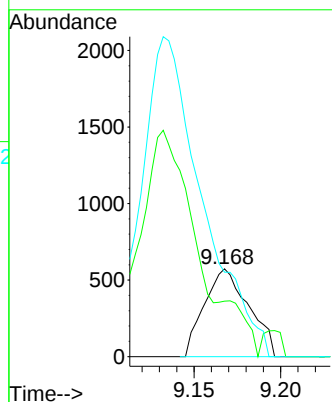
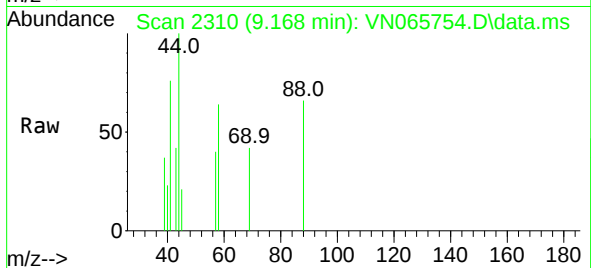
58 0.0 52.6 78.8#

Instrument :

MSVOA_N

ClientSampleId :

31408-31410



#50

Toluene-d8

Concen: 53.45 ug/l

RT: 10.055 min Scan# 2586

Delta R.T. -0.003 min

Lab File: VN065754.D

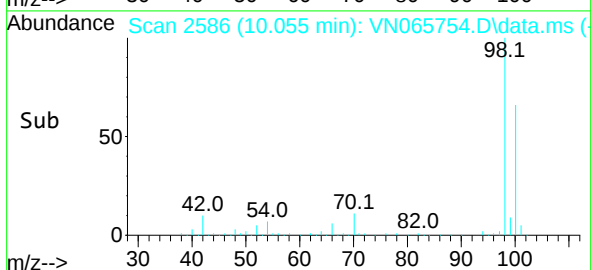
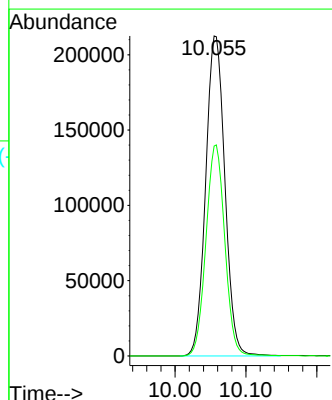
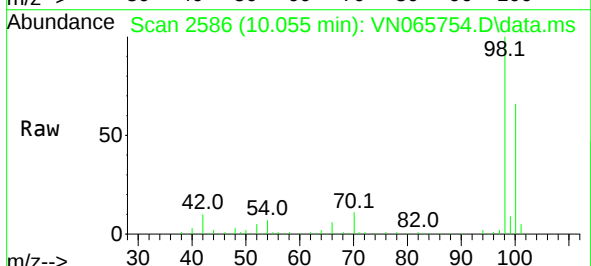
Acq: 8 Feb 2021 14:46

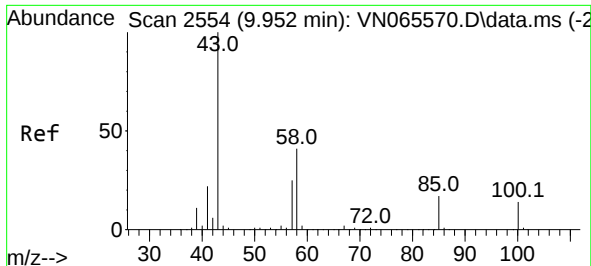
Tgt Ion: 98 Resp: 399105

Ion Ratio Lower Upper

98 100

100 64.9 50.5 75.7

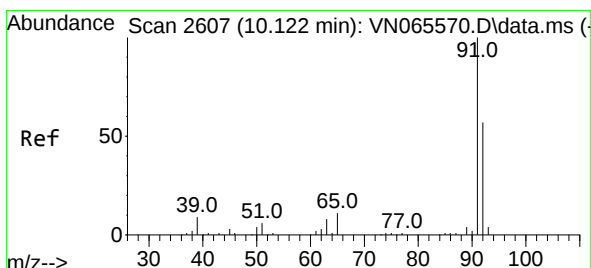
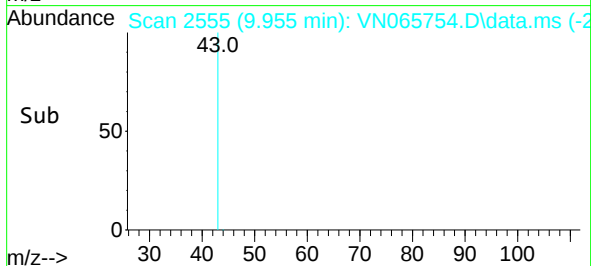
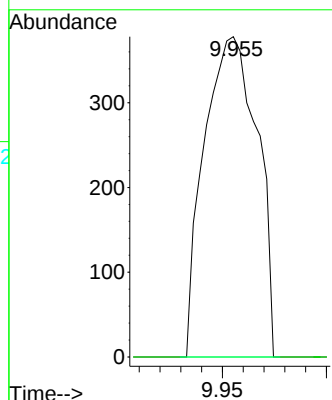
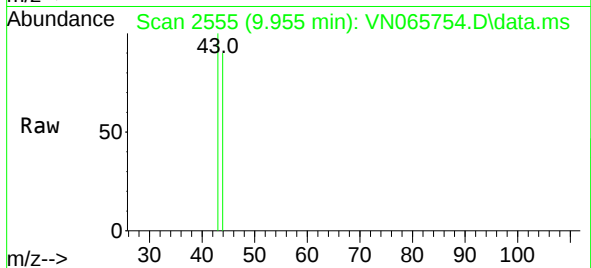




#51
4-Methyl-2-Pentanone
Concen: 0.22 ug/l
RT: 9.955 min Scan# 2555
Delta R.T. 0.003 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

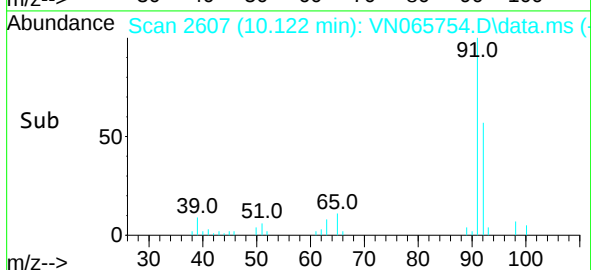
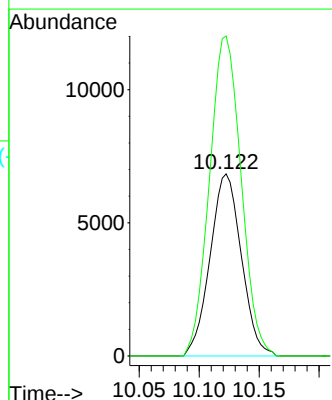
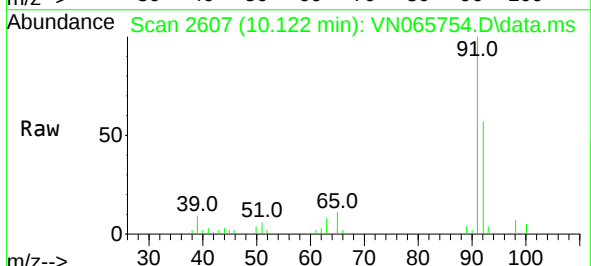
Instrument :
MSVOA_N
ClientSampleId :
31408-31410

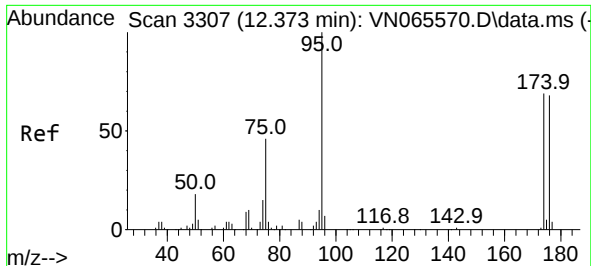
Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
58 0.0 32.5 48.7#



#52
Toluene
Concen: 2.13 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Tgt Ion: 92 Resp: 12403
Ion Ratio Lower Upper
92 100
91 177.3 140.7 211.1

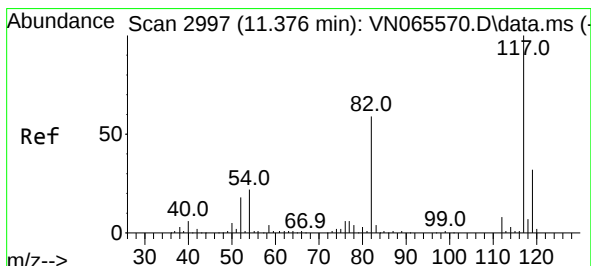
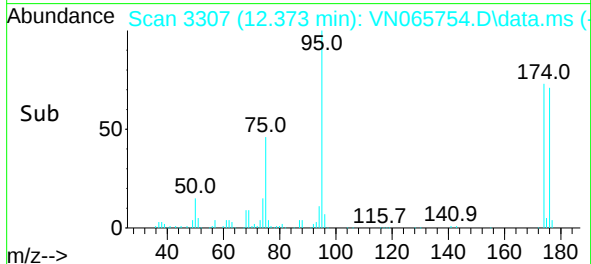
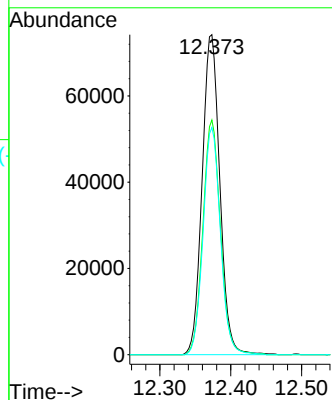
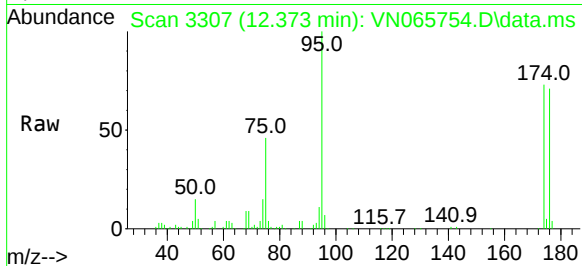




#62
4-Bromofluorobenzene
Concen: 47.89 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

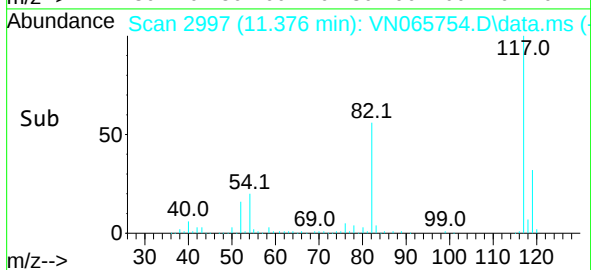
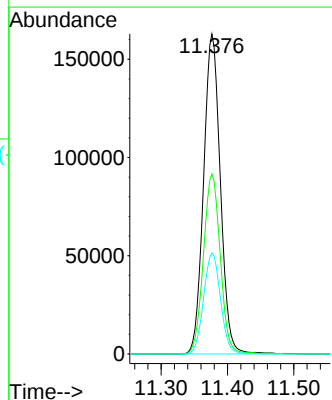
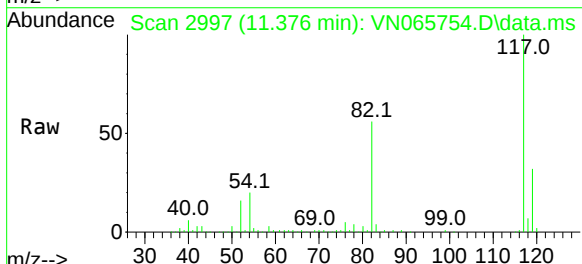
Instrument :
MSVOA_N
ClientSampleId :
31408-31410

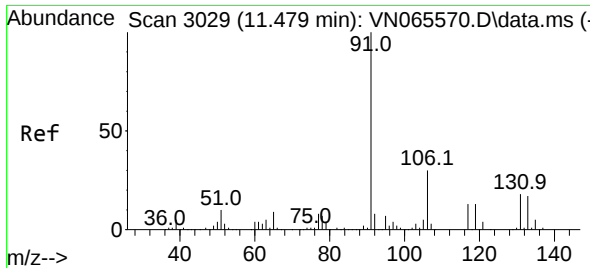
Tgt Ion: 95 Resp: 128769
Ion Ratio Lower Upper
95 100
174 72.7 0.0 169.0
176 69.5 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Tgt Ion: 117 Resp: 286117
Ion Ratio Lower Upper
117 100
82 56.3 43.7 65.5
119 31.6 26.1 39.1

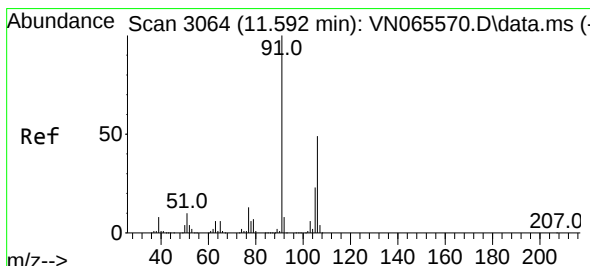
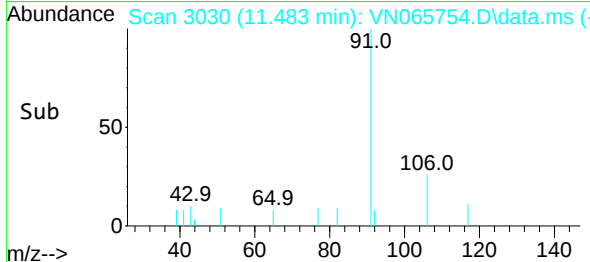
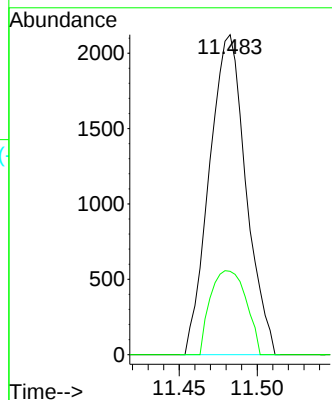
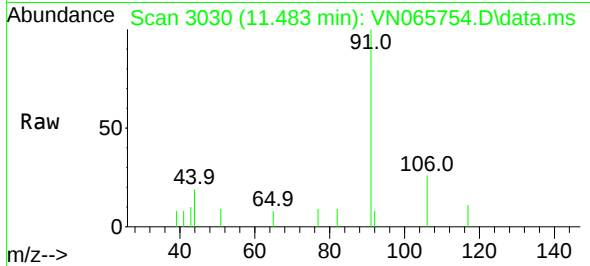




#67
Ethyl Benzene
Concen: 0.31 ug/l
RT: 11.483 min Scan# 3030
Delta R.T. 0.004 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

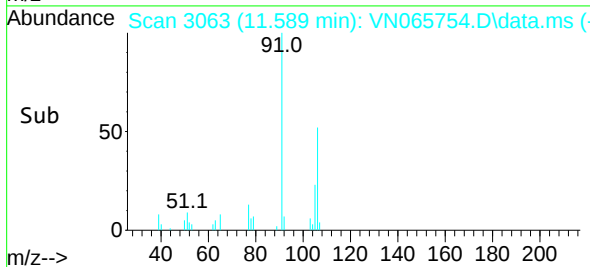
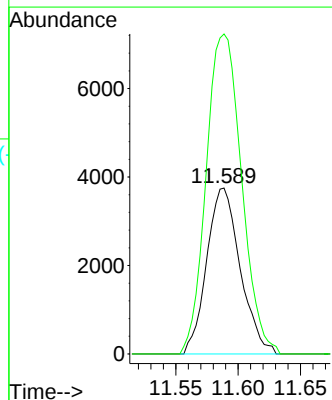
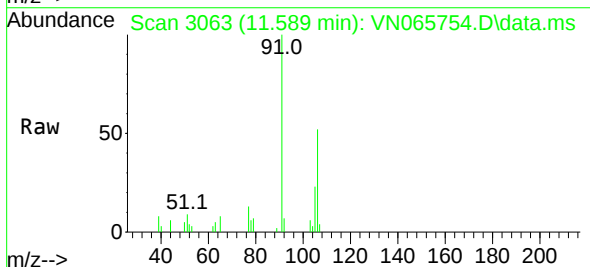
Instrument :
MSVOA_N
ClientSampleId :
31408-31410

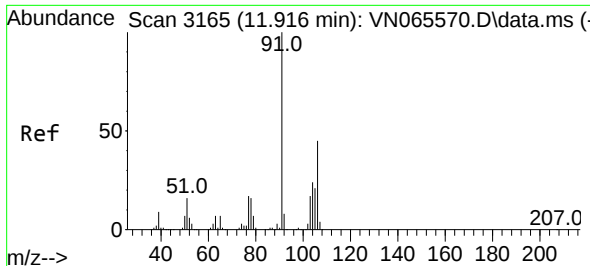
Tgt Ion: 91 Resp: 3464
Ion Ratio Lower Upper
91 100
106 26.0 25.5 38.3



#68
m/p-Xylenes
Concen: 1.72 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.003 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Tgt Ion: 106 Resp: 7011
Ion Ratio Lower Upper
106 100
91 204.0 161.4 242.0

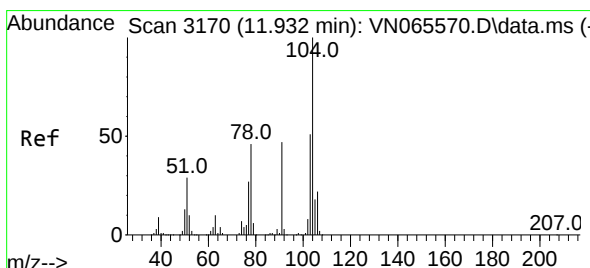
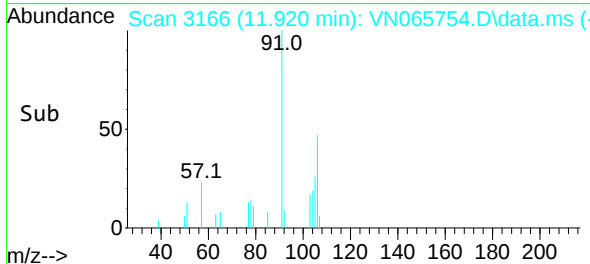
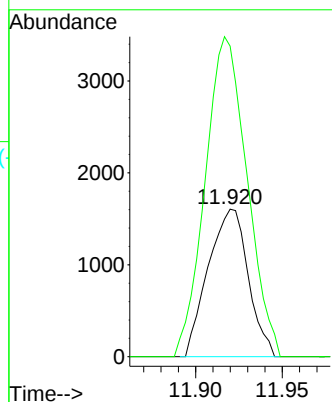
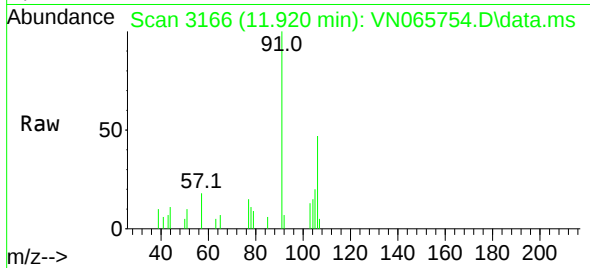




#69
o-Xylene
Concen: 0.65 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. 0.004 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

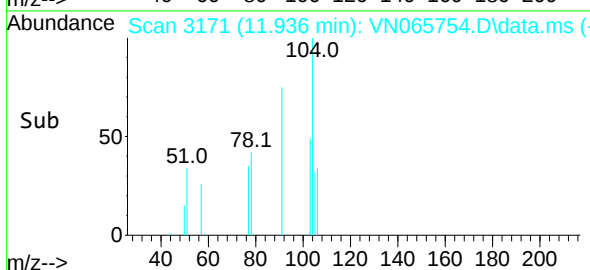
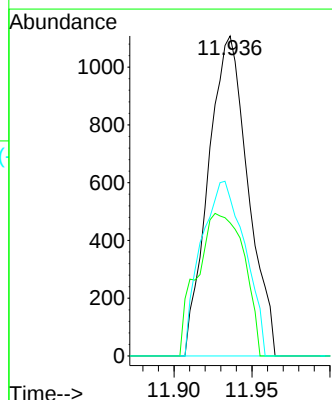
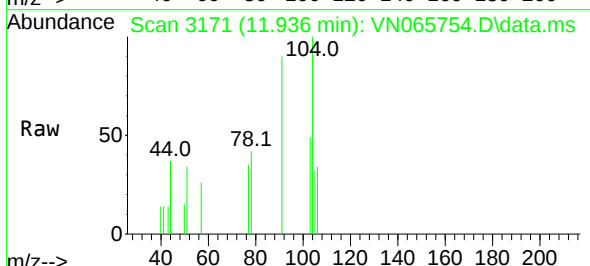
Instrument :
MSVOA_N
ClientSampleId :
31408-31410

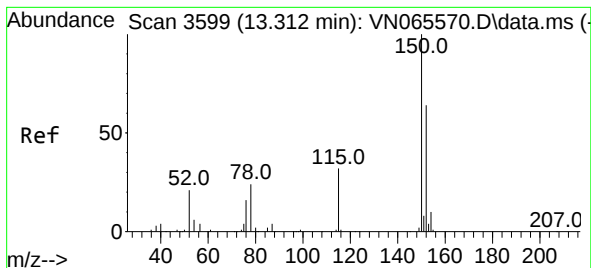
Tgt Ion:106 Resp: 2575
Ion Ratio Lower Upper
106 100
91 227.1 106.8 320.4



#70
Styrene
Concen: 0.30 ug/l
RT: 11.936 min Scan# 3171
Delta R.T. 0.004 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Tgt Ion:104 Resp: 1961
Ion Ratio Lower Upper
104 100
78 52.7 39.0 58.4
103 60.1 44.5 66.7

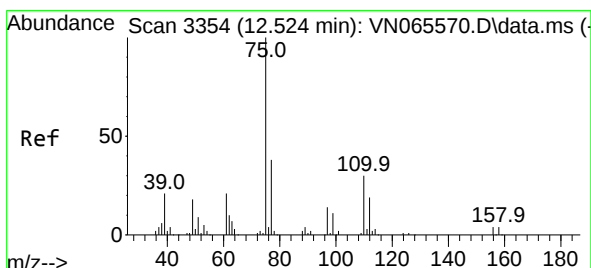
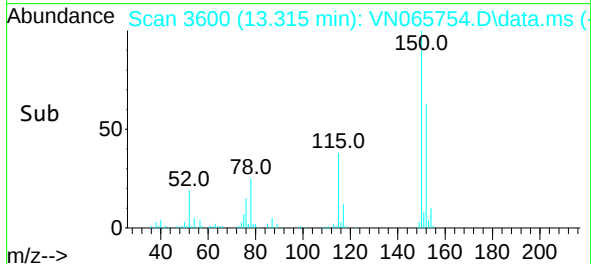
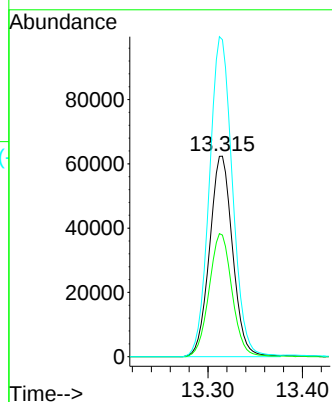
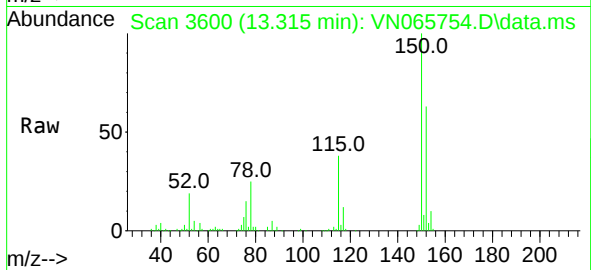




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

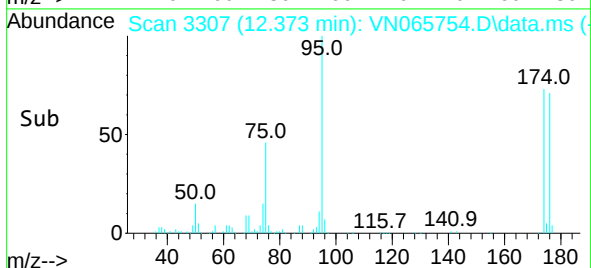
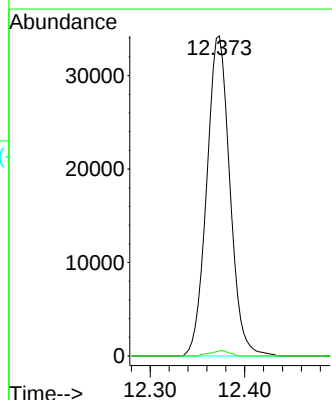
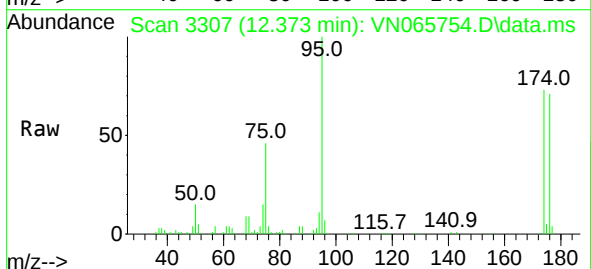
Instrument :
MSVOA_N
ClientSampleId :
31408-31410

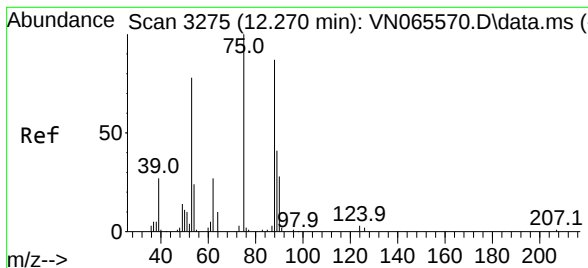
Tgt Ion:152 Resp: 105600
Ion Ratio Lower Upper
152 100
115 61.0 28.5 85.6
150 160.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 21.11 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

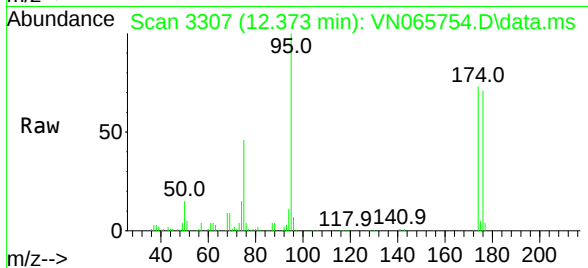
Tgt Ion: 75 Resp: 58286
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



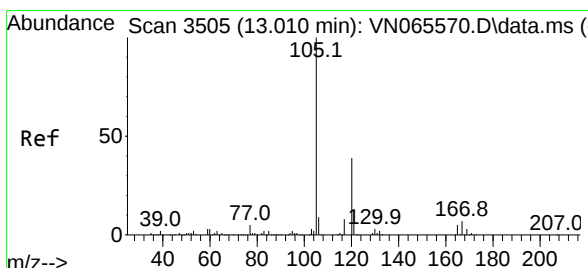
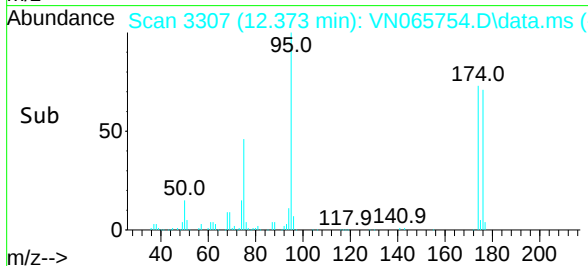
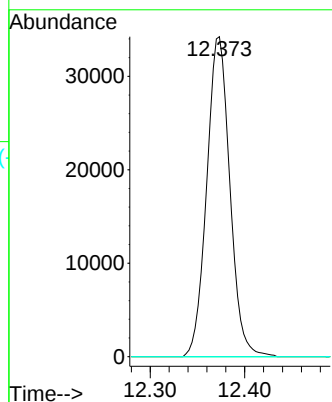


#81
trans-1,4-Dichloro-2-butene
Concen: 54.06 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.103 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Instrument :
MSVOA_N
ClientSampleId :
31408-31410

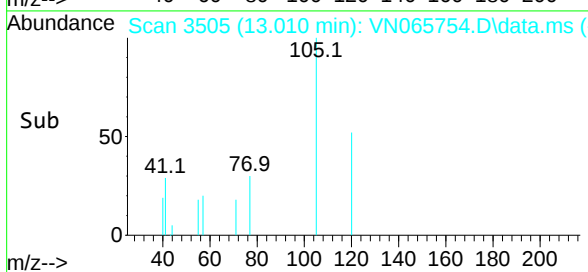
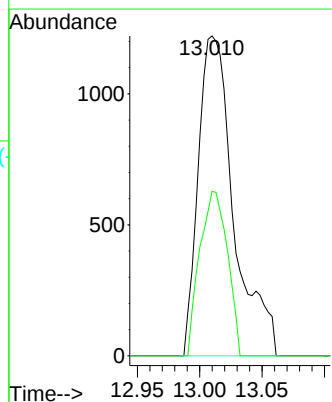
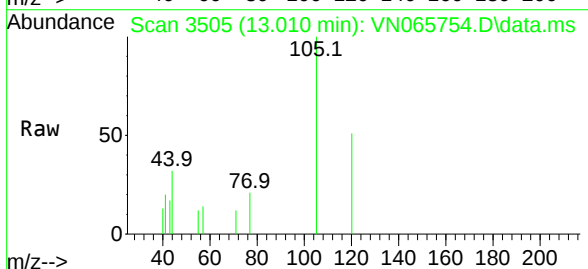


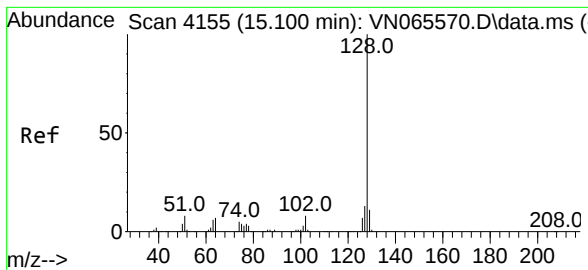
Tgt Ion: 75 Resp: 58286
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.31 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

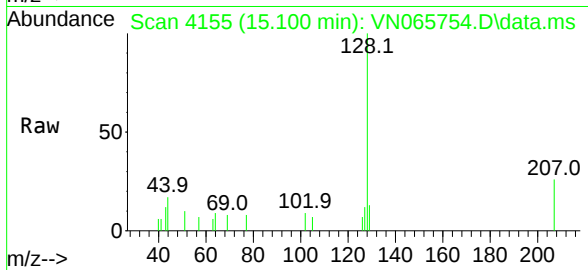
Tgt Ion: 105 Resp: 2424
Ion Ratio Lower Upper
105 100
120 40.0 22.4 67.0





#95
Naphthalene
Concen: 4.09 ug/l
RT: 15.100 min Scan# 4155
Delta R.T. -0.000 min
Lab File: VN065754.D
Acq: 8 Feb 2021 14:46

Instrument :
MSVOA_N
ClientSampleId :
31408-31410



Tgt Ion:128 Resp: 4709
Ion Ratio Lower Upper
128 100
127 9.6 10.2 15.2#
129 8.4 8.6 13.0#

