

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065354.D
 Acq On : 31 Dec 2020 18:49
 Operator : JC/MD
 Sample : L5241-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 JG-OWS-1

Quant Time: Jan 01 01:53:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 22 15:42:18 2020
 Response via : Initial Calibration

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

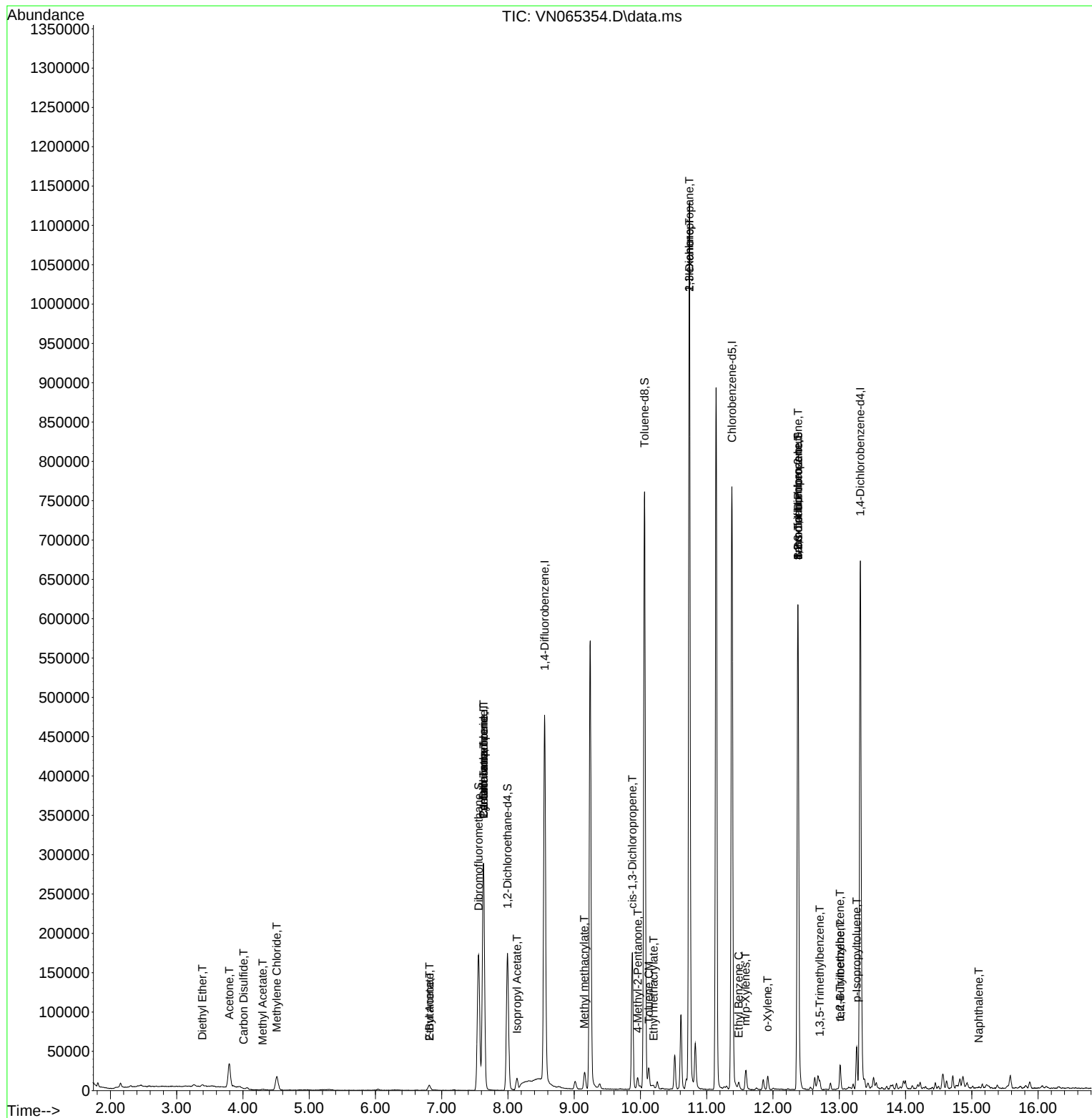
Internal Standards						
1) Pentafluorobenzene	7.630	168	264247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.553	114	445106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.380	117	475018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.318	152	203355	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.994	65	151042	50.63	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	101.26%		
35) Dibromofluoromethane	7.556	113	133950	49.88	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.76%		
50) Toluene-d8	10.061	98	550143	54.66	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.32%		
62) 4-Bromofluorobenzene	12.376	95	218105	54.30	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	108.60%		
Target Compounds						Qvalue
8) Diethyl Ether	3.386	74	526	0.31	ug/l	81
16) Acetone	3.795	43	48140	28.94	ug/l	91
17) Carbon Disulfide	4.010	76	1444	0.22	ug/l #	75
18) Methyl Acetate	4.299	43	2751	1.03	ug/l #	52
20) Methylene Chloride	4.512	84	13157	4.52	ug/l	94
25) 2-Butanone	6.814	43	11117	6.64	ug/l	99
31) Cyclohexane	7.630	56	4585	1.04	ug/l #	1
36) 1,1-Dichloropropene	7.630	75	16708	4.13	ug/l #	48
37) Ethyl Acetate	6.814	43	11117	2.77	ug/l #	66
38) Carbon Tetrachloride	7.630	117	22329	5.25	ug/l #	16
43) Isopropyl Acetate	8.135	43	18852	2.73	ug/l	94
48) Methyl methacrylate	9.151	41	6252	1.86	ug/l #	20
51) 4-Methyl-2-Pentanone	9.958	43	10588	2.72	ug/l	95
52) Toluene	10.126	92	10944	1.44	ug/l	97
54) cis-1,3-Dichloropropene	9.878	75	33457	6.23	ug/l #	59
56) Ethyl methacrylate	10.199	69	2685	0.58	ug/l #	76
57) 1,3-Dichloropropane	10.736	76	11898	2.40	ug/l #	42
59) 2-Hexanone	10.736	43	160259	56.08	ug/l #	49
67) Ethyl Benzene	11.482	91	6119	0.35	ug/l	99
68) m/p-Xylenes	11.589	106	8381	1.28	ug/l	94
69) o-Xylene	11.920	106	4887	0.77	ug/l	98
71) Bromoform	12.376	173	1445	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	12.376	75	106058	25.56	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.707	105	5039	0.38	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.376	75	106058	64.46	ug/l #	15
83) tert-Butylbenzene	13.016	119	2426	0.22	ug/l #	76
84) 1,2,4-Trimethylbenzene	13.013	105	18988	1.48	ug/l	94
86) p-Isopropyltoluene	13.264	119	32198	2.35	ug/l	98
95) Naphthalene	15.106	128	2185	3.57	ug/l #	75

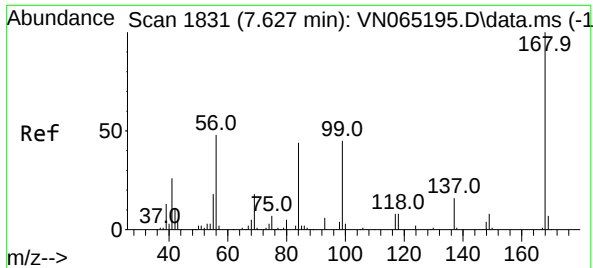
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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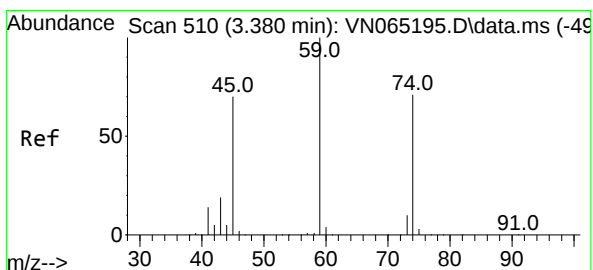
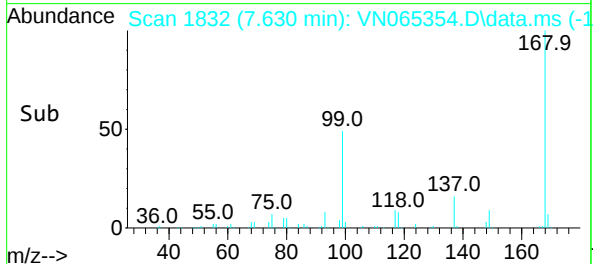
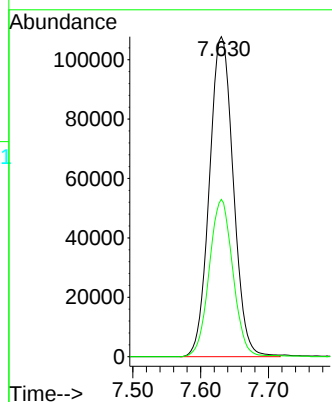
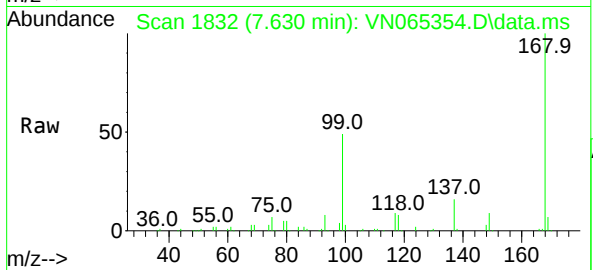




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.003 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

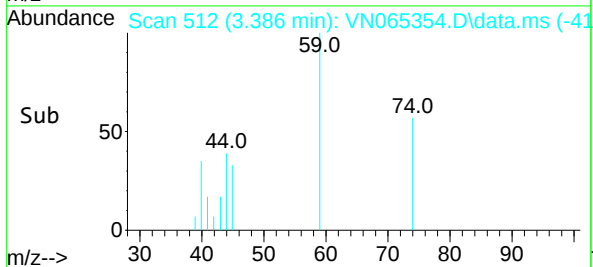
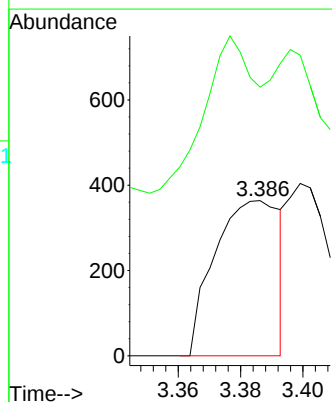
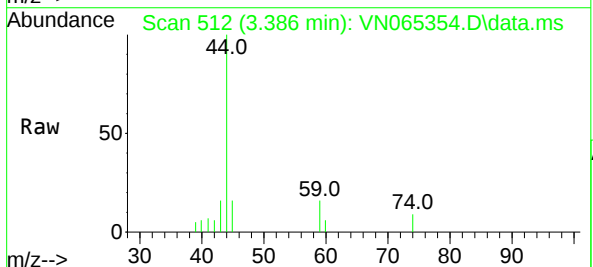
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MSVOA_N
ClientSampled :
JG-OWS-1

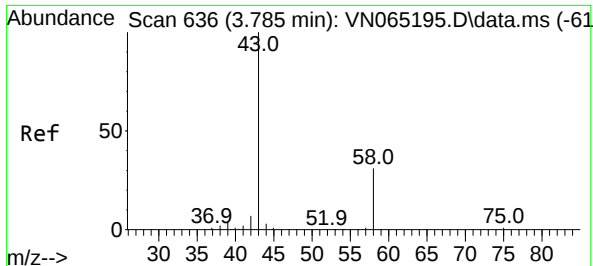
Tgt Ion:168 Resp: 264247
Ion Ratio Lower Upper
168 100
99 49.1 43.0 64.4



#8
Diethyl Ether
Concen: 0.31 ug/l
RT: 3.386 min Scan# 512
Delta R.T. 0.006 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 74 Resp: 526
Ion Ratio Lower Upper
74 100
45 78.7 48.9 146.8

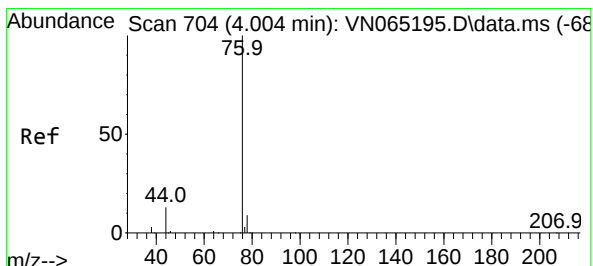
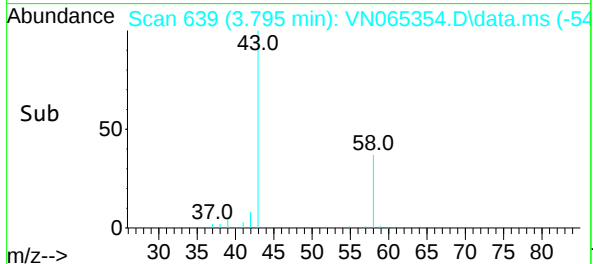
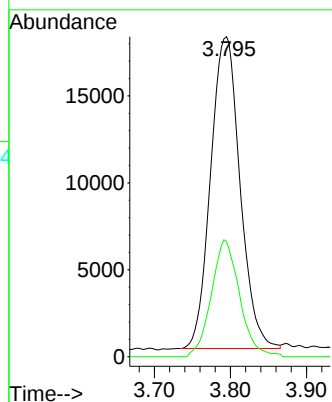
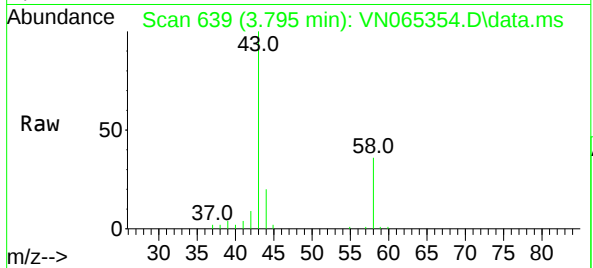




#16
Acetone
Concen: 28.94 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.010 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

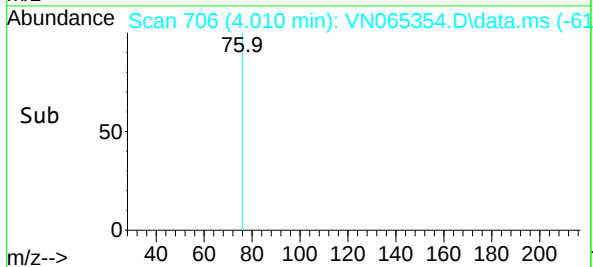
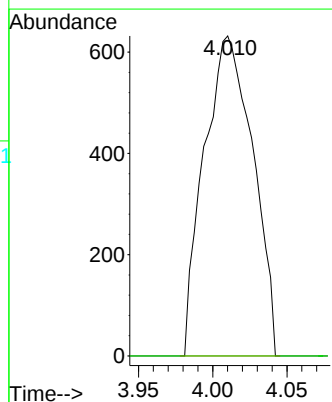
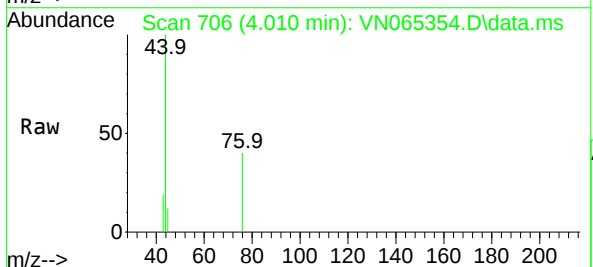
Instrument :
MSVOA_N
ClientSampled :
JG-OWS-1

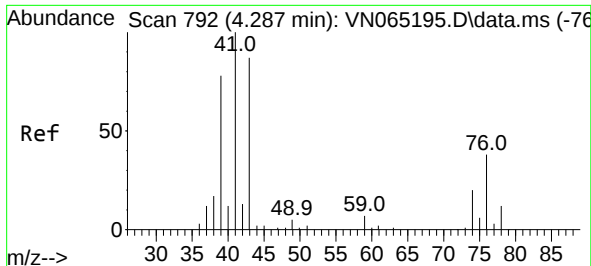
Tgt Ion: 43 Resp: 48140
Ion Ratio Lower Upper
43 100
58 37.0 25.7 38.5



#17
Carbon Disulfide
Concen: 0.22 ug/l
RT: 4.010 min Scan# 706
Delta R.T. 0.006 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

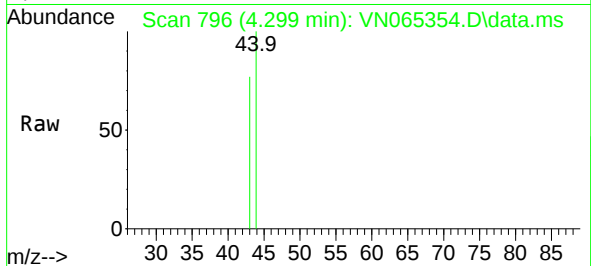
Tgt Ion: 76 Resp: 1444
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



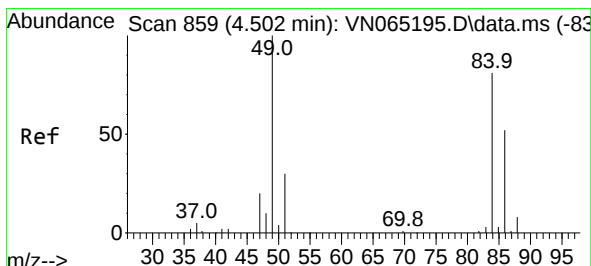
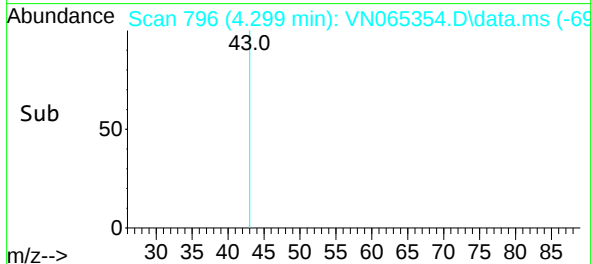
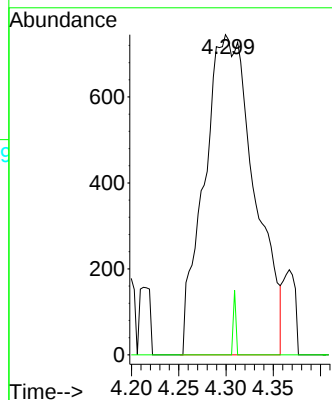


#18
Methyl Acetate
Concen: 1.03 ug/l
RT: 4.299 min Scan# 796
Delta R.T. 0.012 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Instrument :
MSVOA_N
ClientSampled :
JG-OWS-1

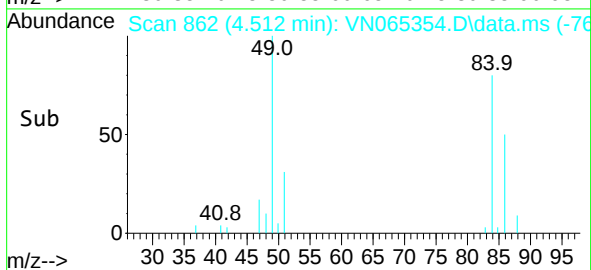
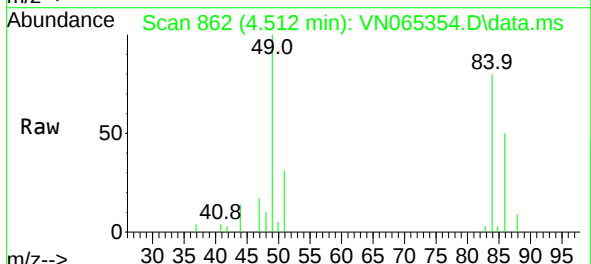
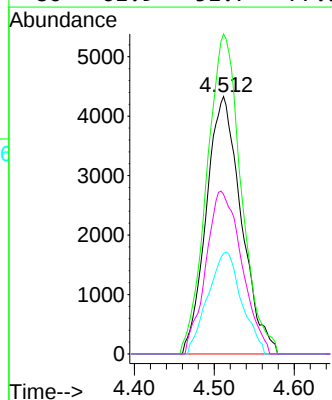


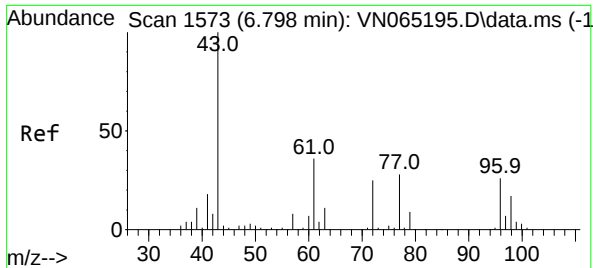
Tgt Ion: 43 Resp: 2751
Ion Ratio Lower Upper
43 100
74 1.1 20.2 30.2#



#20
Methylene Chloride
Concen: 4.52 ug/l
RT: 4.512 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 84 Resp: 13157
Ion Ratio Lower Upper
84 100
49 124.3 93.4 140.0
51 39.1 28.2 42.4
86 61.9 51.7 77.5

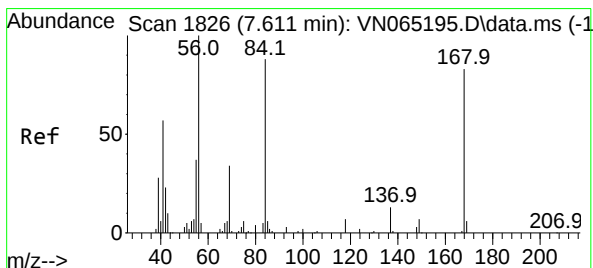
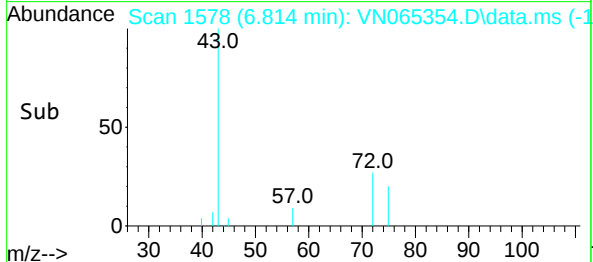
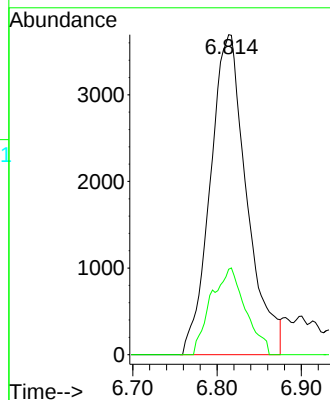
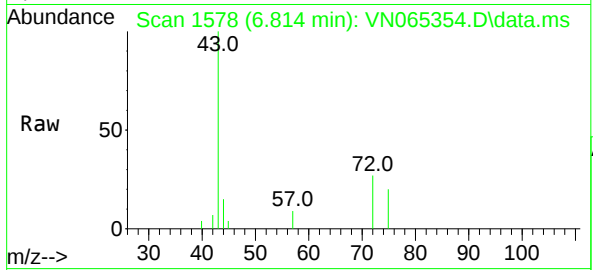




#25
2-Butanone
Concen: 6.64 ug/l
RT: 6.814 min Scan# 1578
Delta R.T. 0.016 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

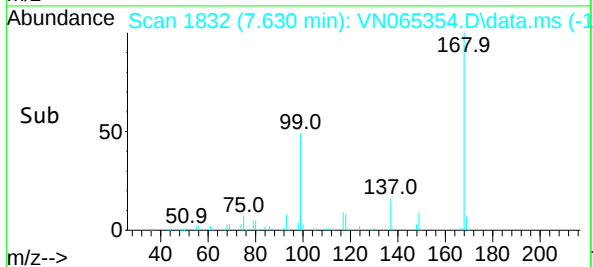
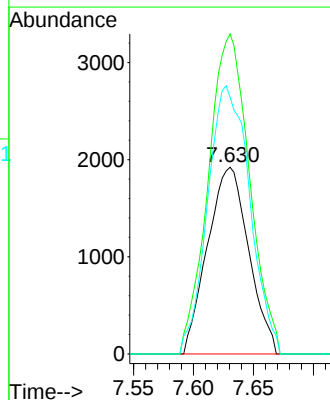
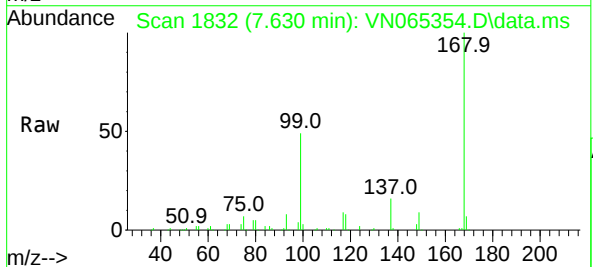
Instrument :
MSVOA_N
ClientSampled :
JG-OWS-1

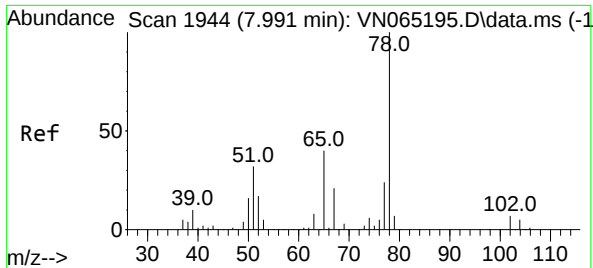
Tgt Ion: 43 Resp: 11117
Ion Ratio Lower Upper
43 100
72 26.7 21.0 31.6



#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. 0.019 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 56 Resp: 4585
Ion Ratio Lower Upper
56 100
69 171.4 27.5 41.3#
84 137.5 73.9 110.9#

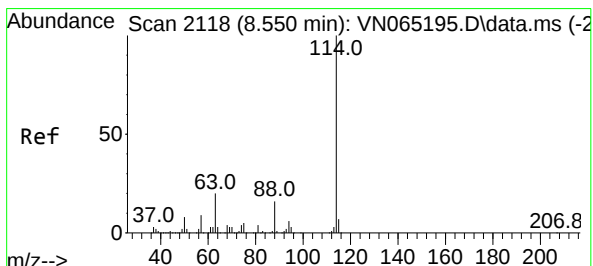
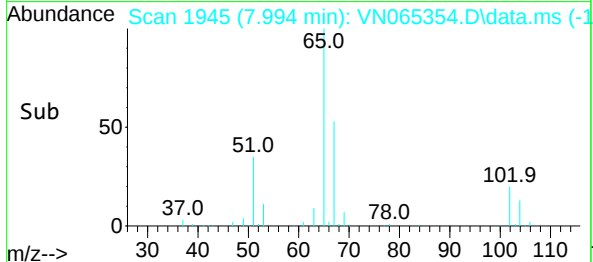
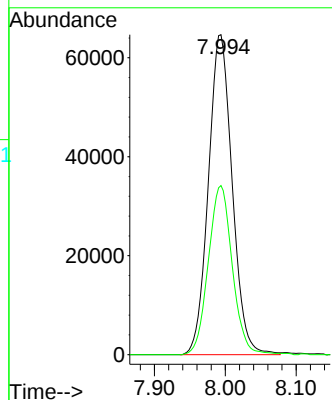
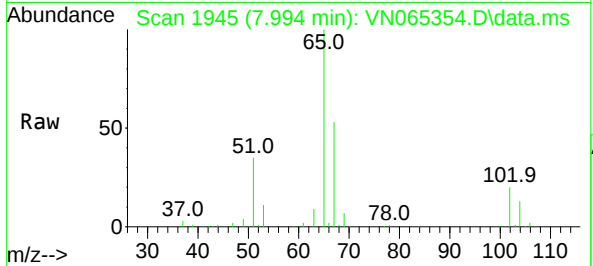




#33
 1,2-Dichloroethane-d4
 Concen: 50.63 ug/l
 RT: 7.994 min Scan# 1945
 Delta R.T. 0.003 min
 Lab File: VN065354.D
 Acq: 31 Dec 2020 18:49

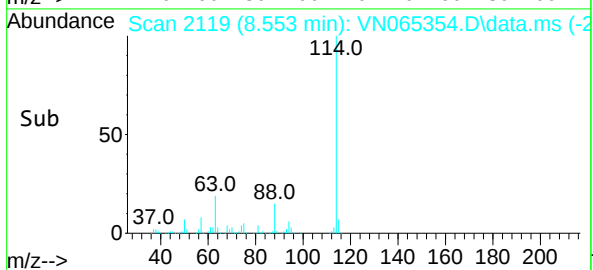
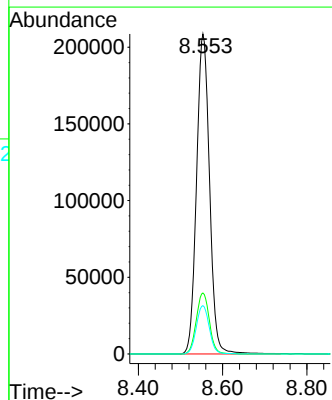
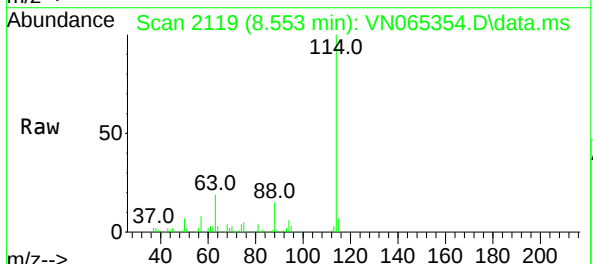
Instrument :
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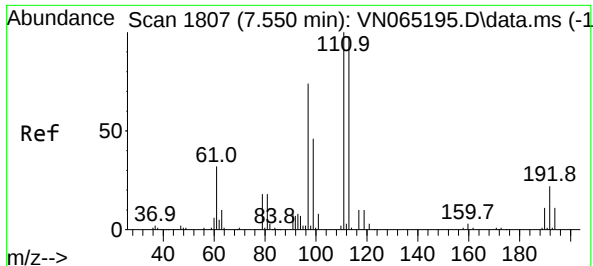
Tgt Ion: 65 Resp: 151042
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.553 min Scan# 2119
 Delta R.T. 0.003 min
 Lab File: VN065354.D
 Acq: 31 Dec 2020 18:49

Tgt Ion: 114 Resp: 445106
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.1 0.0 32.6

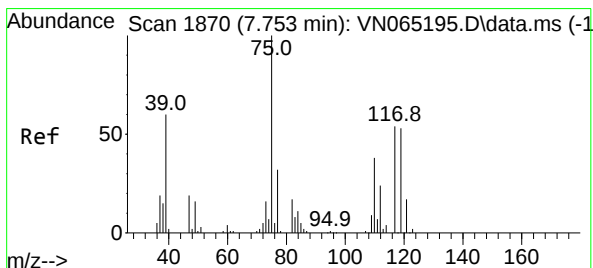
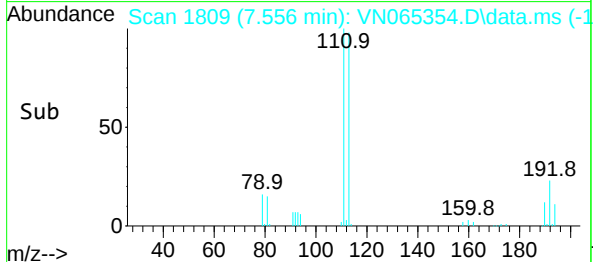
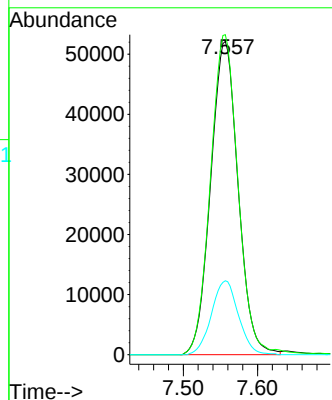
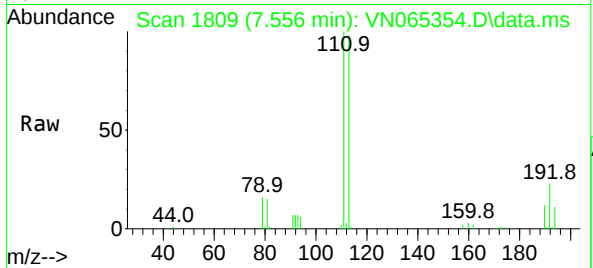




#35
Dibromofluoromethane
Concen: 49.88 ug/l
RT: 7.556 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

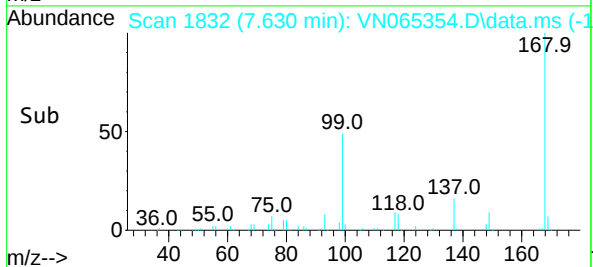
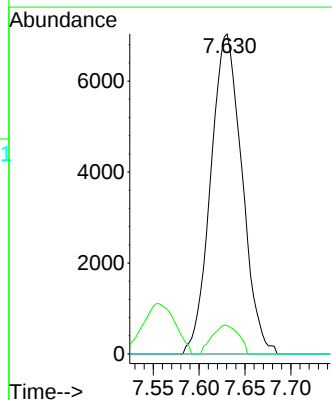
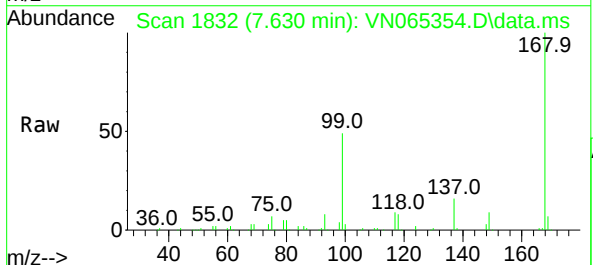
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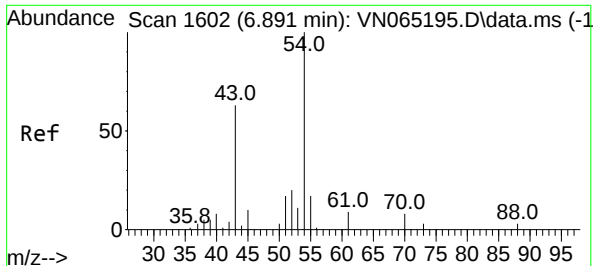
Tgt Ion:113 Resp: 133950
Ion Ratio Lower Upper
113 100
111 101.8 81.6 122.4
192 23.2 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.13 ug/l
RT: 7.630 min Scan# 1832
Delta R.T. -0.123 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 75 Resp: 16708
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.77 ug/l

RT: 6.814 min Scan# 1578

Delta R.T. -0.077 min

Lab File: VN065354.D

Acq: 31 Dec 2020 18:49

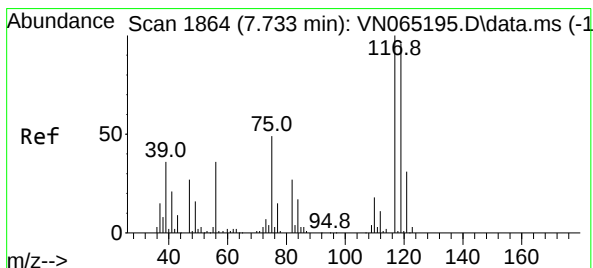
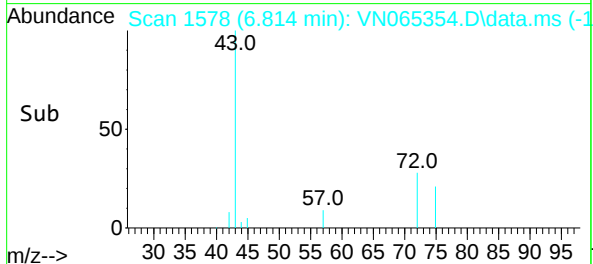
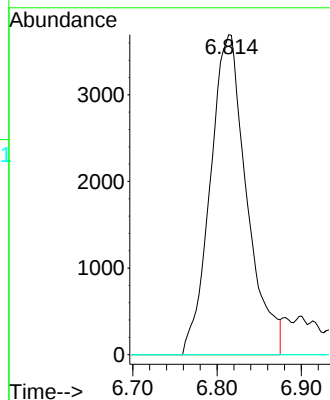
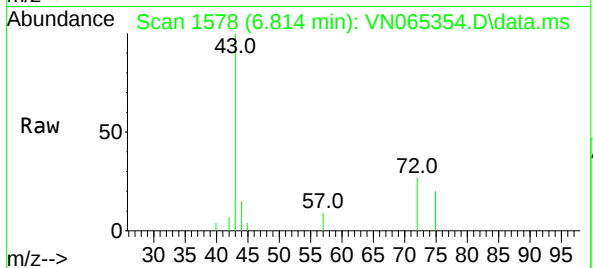
Instrument :

MSVOA_N

ClientSampleId :

JG-OWS-1

Tgt Ion: 43	Resp: 11117
Ion Ratio	Lower Upper
43 100	
61 0.0	12.8 19.2#
70 0.0	8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.25 ug/l

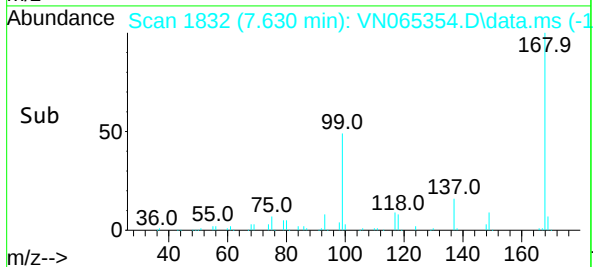
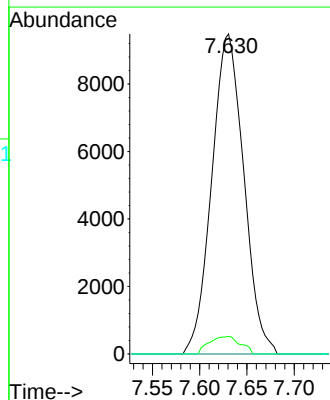
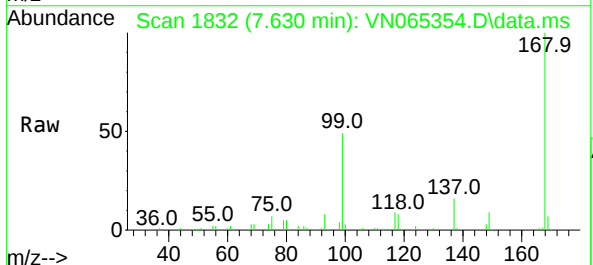
RT: 7.630 min Scan# 1832

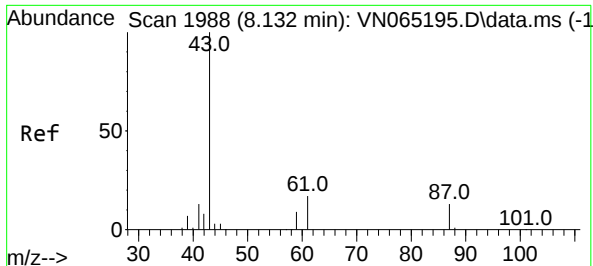
Delta R.T. -0.103 min

Lab File: VN065354.D

Acq: 31 Dec 2020 18:49

Tgt Ion: 117	Resp: 22329
Ion Ratio	Lower Upper
117 100	
119 5.5	76.7 115.1#
121 0.0	25.4 38.2#

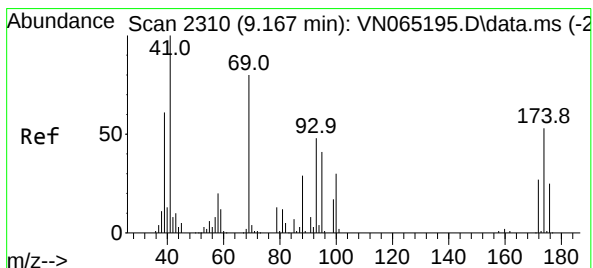
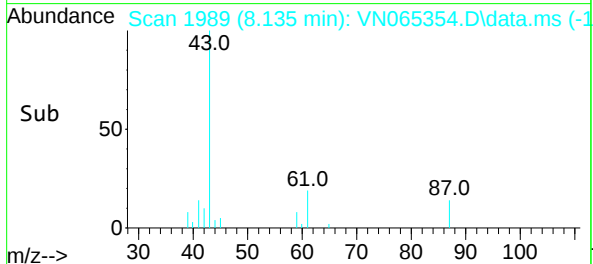
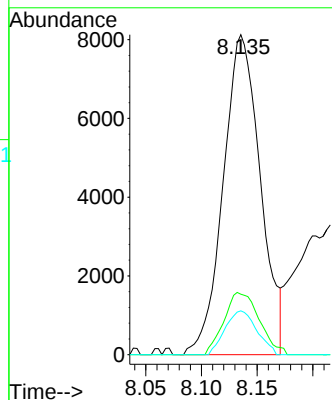
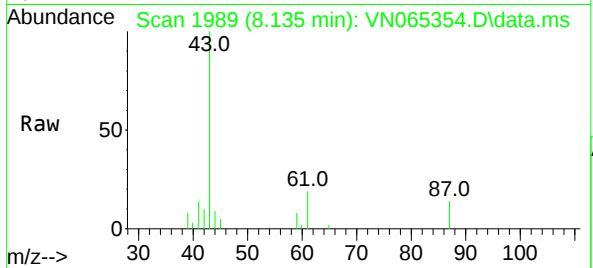




#43
Isopropyl Acetate
Concen: 2.73 ug/l
RT: 8.135 min Scan# 1989
Delta R.T. 0.003 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

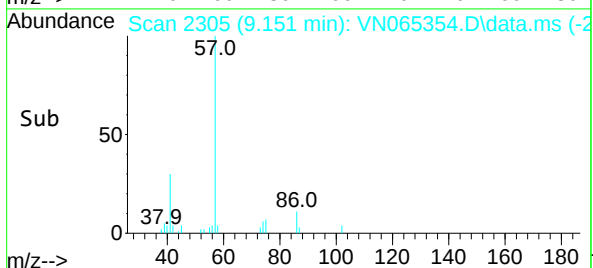
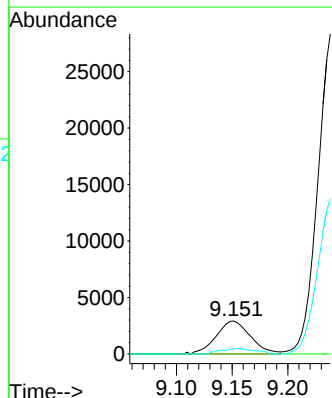
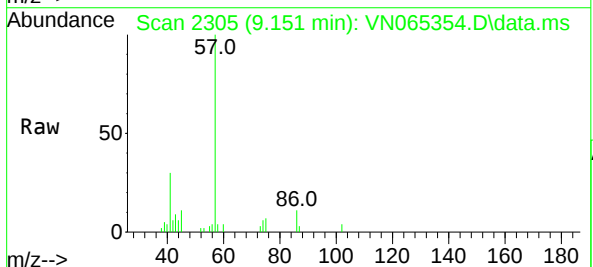
Instrument :
MSVOA_N
ClientSampleId :
JG-OWS-1

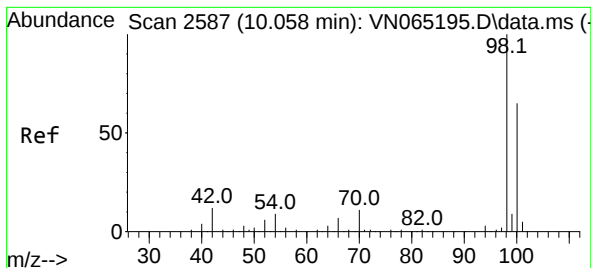
Tgt Ion: 43	Resp: 18852
Ion Ratio	Lower Upper
43 100	
61 18.5	17.2 25.8
87 11.7	11.4 17.0



#48
Methyl methacrylate
Concen: 1.86 ug/l
RT: 9.151 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 41	Resp: 6252
Ion Ratio	Lower Upper
41 100	
69 0.0	71.8 107.8#
39 16.2	44.1 66.1#

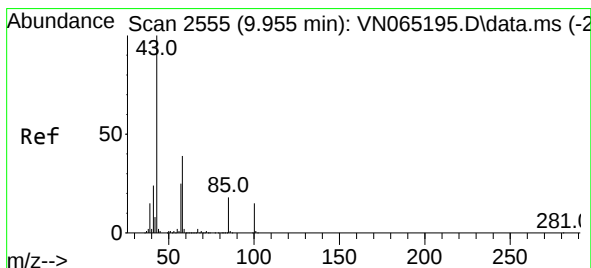
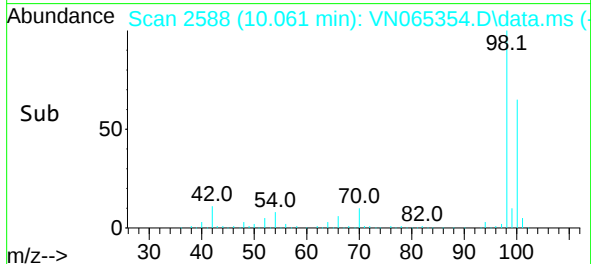
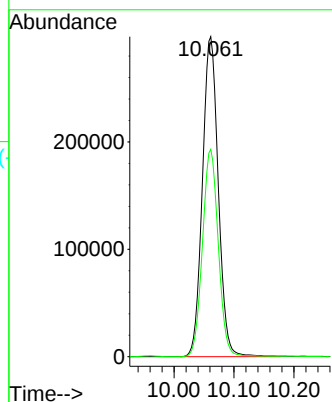
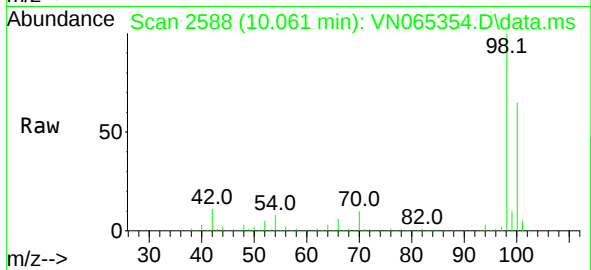




#50
Toluene-d8
Concen: 54.66 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

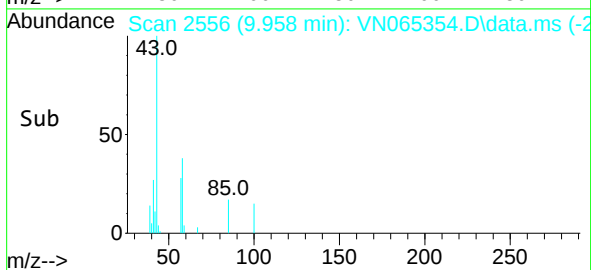
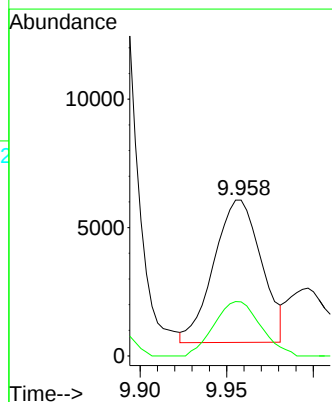
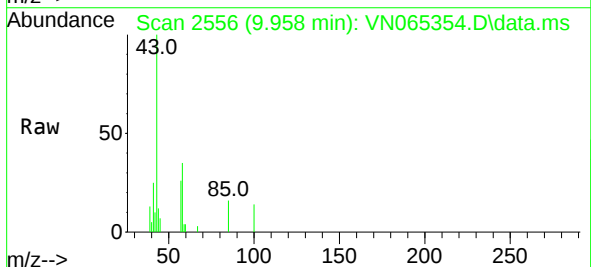
Instrument :
MSVOA_N
ClientSampleId :
JG-OWS-1

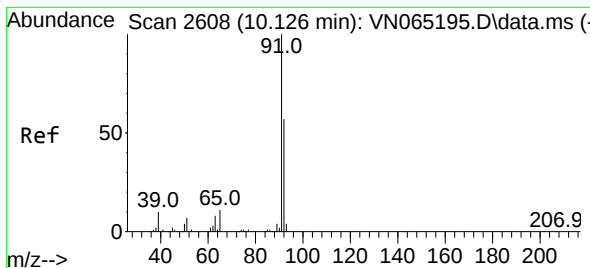
Tgt Ion: 98 Resp: 550143
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 2.72 ug/l
RT: 9.958 min Scan# 2556
Delta R.T. 0.003 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 43 Resp: 10588
Ion Ratio Lower Upper
43 100
58 37.5 32.4 48.6





#52

Toluene

Concen: 1.44 ug/l

RT: 10.126 min Scan# 2608

Delta R.T. -0.000 min

Lab File: VN065354.D

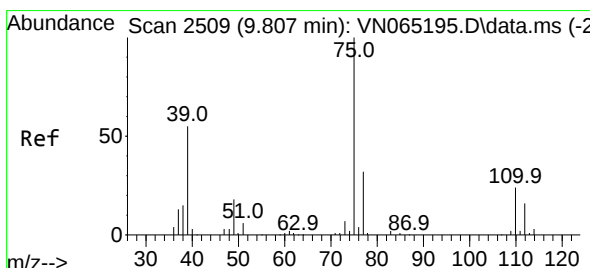
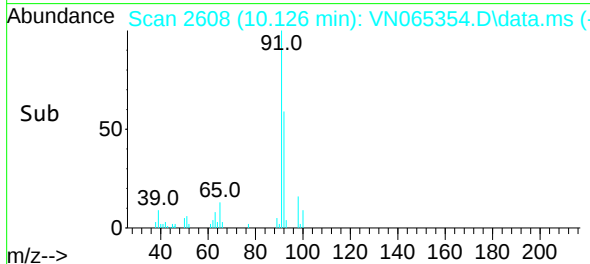
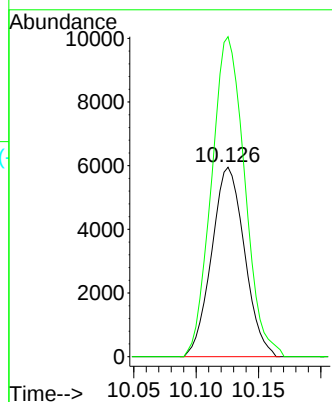
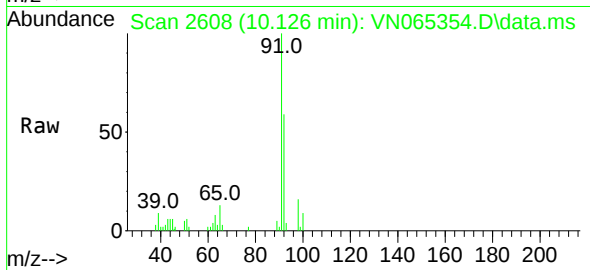
Acq: 31 Dec 2020 18:49

Tgt Ion: 92 Resp: 10944

Ion Ratio Lower Upper

92 100

91 170.3 139.1 208.7



#54

cis-1,3-Dichloropropene

Concen: 6.23 ug/l

RT: 9.878 min Scan# 2531

Delta R.T. 0.071 min

Lab File: VN065354.D

Acq: 31 Dec 2020 18:49

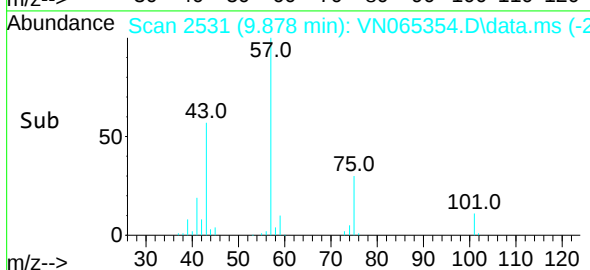
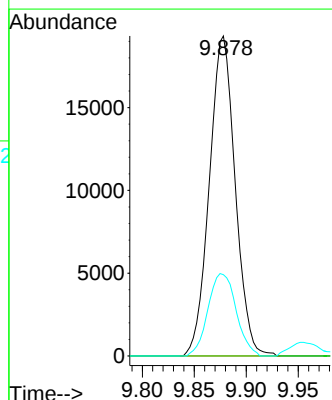
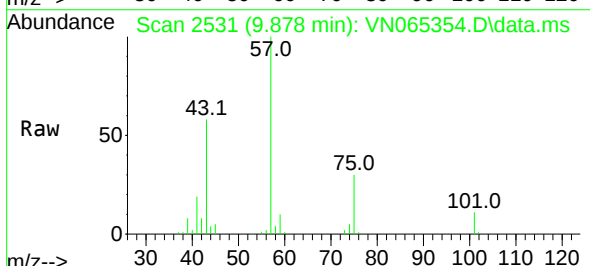
Tgt Ion: 75 Resp: 33457

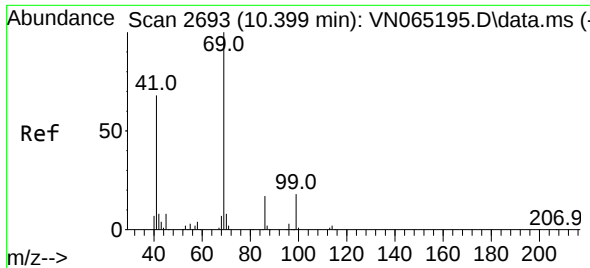
Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

39 25.4 35.6 53.4#

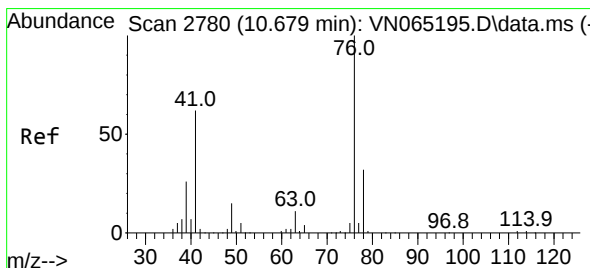
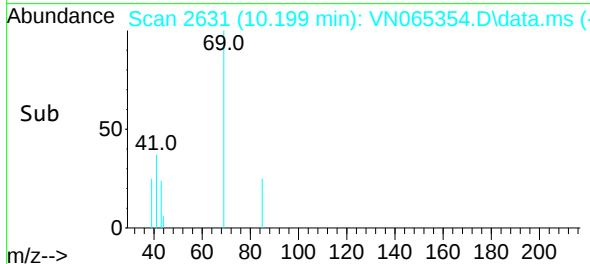
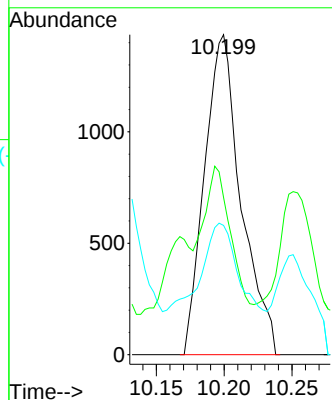
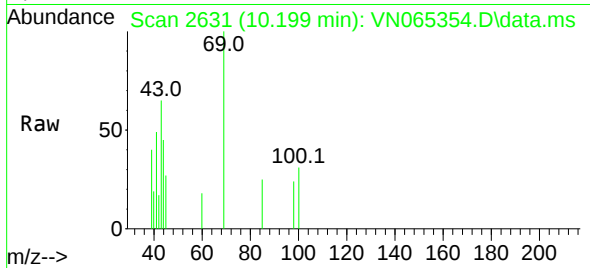




#56
Ethyl methacrylate
Concen: 0.58 ug/l
RT: 10.199 min Scan# 2631
Delta R.T. -0.200 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

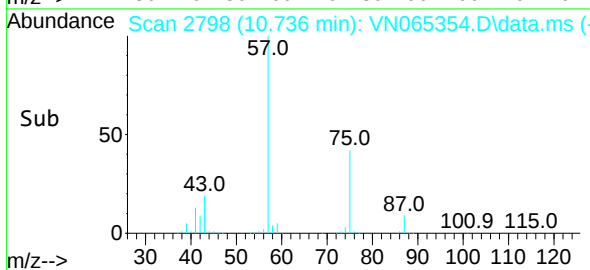
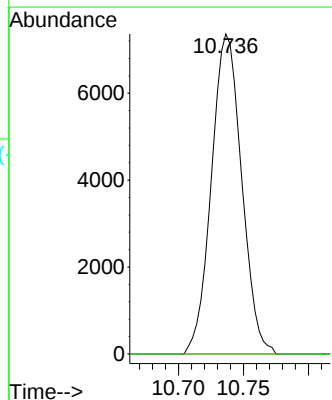
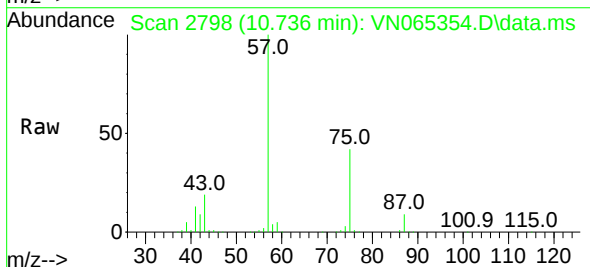
Instrument :
MSVOA_N
ClientSampleId :
JG-OWS-1

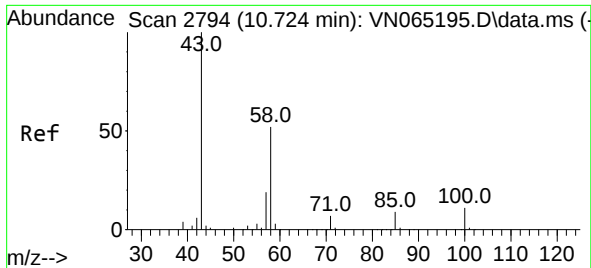
Tgt Ion: 69 Resp: 2685
Ion Ratio Lower Upper
69 100
41 39.8 49.4 74.0#
39 41.2 25.9 38.9#



#57
1,3-Dichloropropane
Concen: 2.40 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.057 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 76 Resp: 11898
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

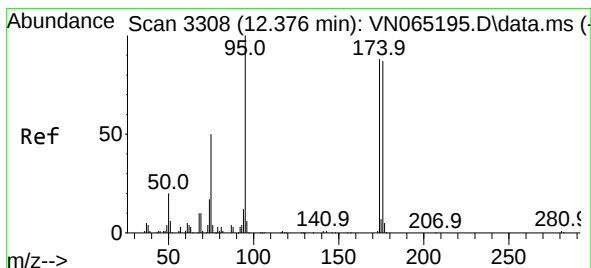
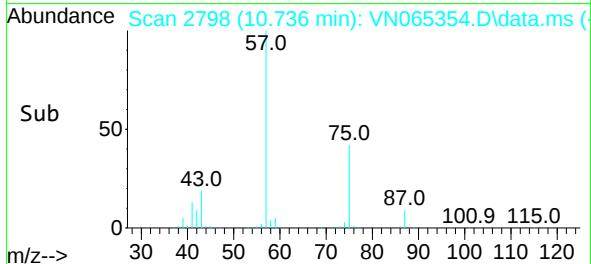
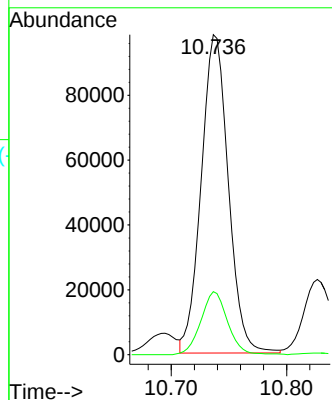
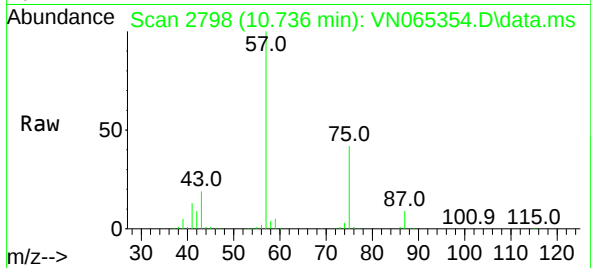




#59
2-Hexanone
Concen: 56.08 ug/l
RT: 10.736 min Scan# 2798
Delta R.T. 0.012 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

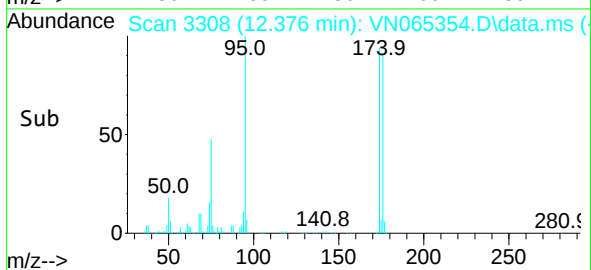
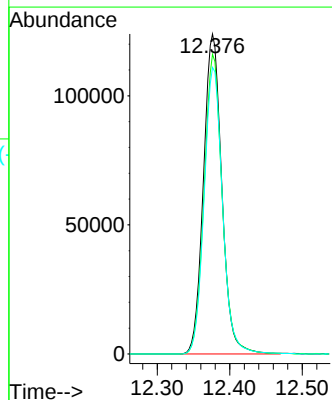
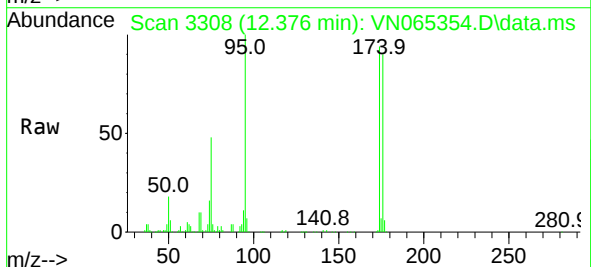
Instrument :
MSVOA_N
ClientSampled :
JG-OWS-1

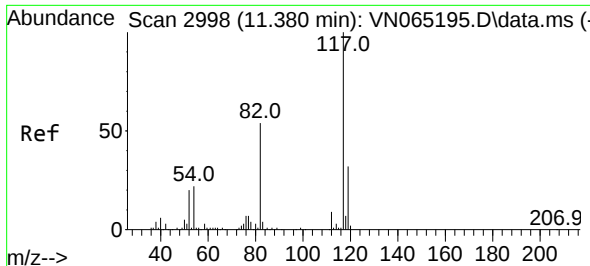
Tgt Ion: 43 Resp: 160259
Ion Ratio Lower Upper
43 100
58 19.5 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.30 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.000 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 95 Resp: 218105
Ion Ratio Lower Upper
95 100
174 92.5 0.0 160.4
176 89.9 0.0 158.4

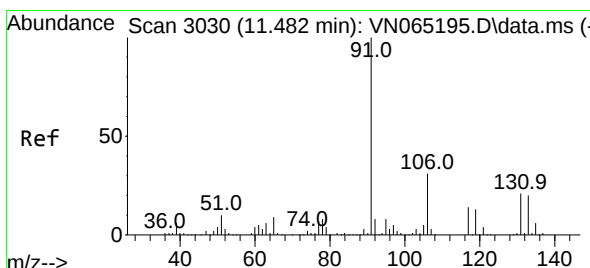
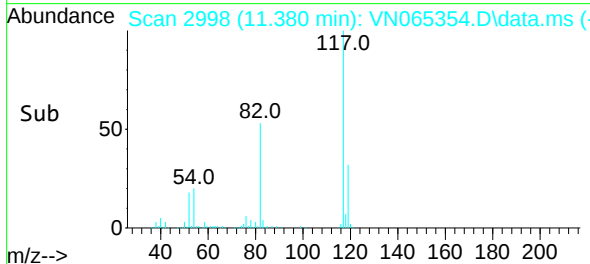
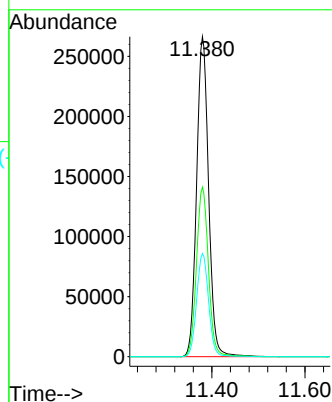
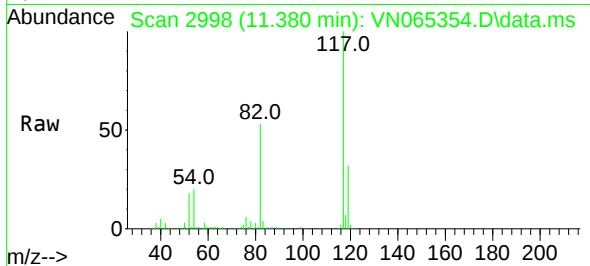




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.380 min Scan# 2998
Delta R.T. -0.001 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

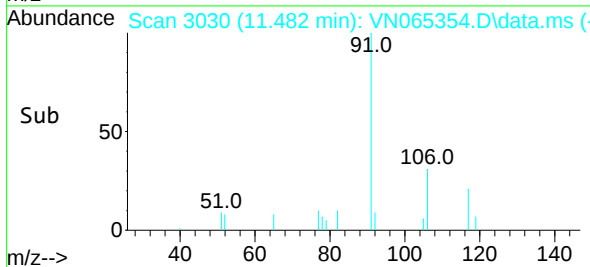
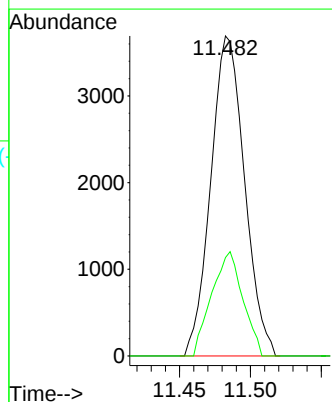
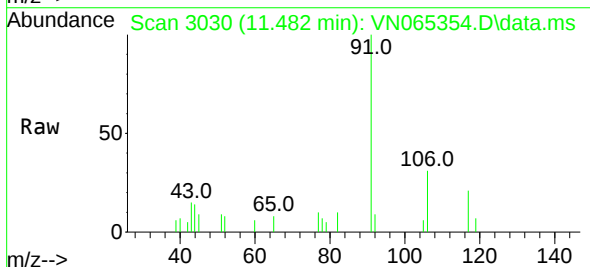
Instrument :
MSVOA_N
ClientSampled :
JG-OWS-1

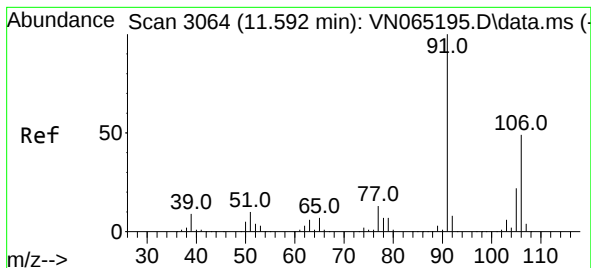
Tgt Ion:117 Resp: 475018
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 32.3 25.8 38.6



#67
Ethyl Benzene
Concen: 0.35 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.000 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 91 Resp: 6119
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8

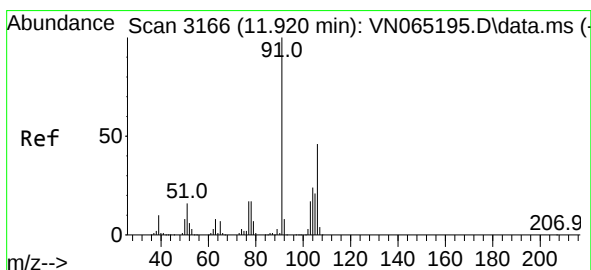
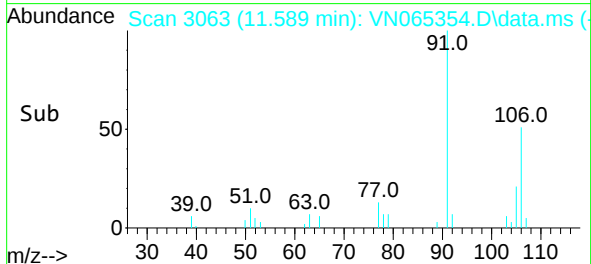
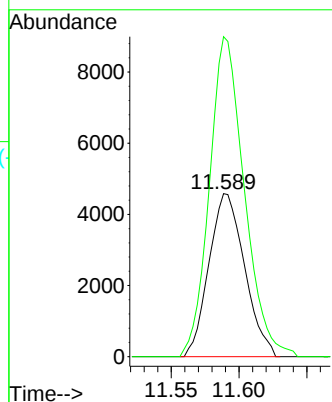
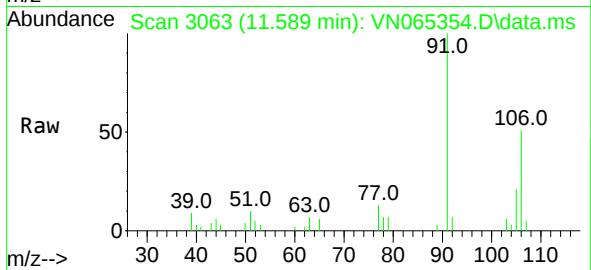




#68
m/p-Xylenes
Concen: 1.28 ug/l
RT: 11.589 min Scan# 3063
Delta R.T. -0.004 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

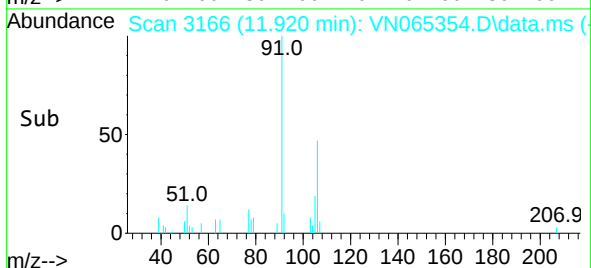
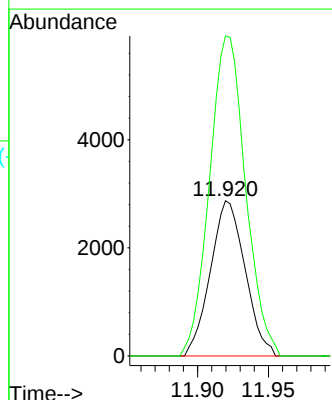
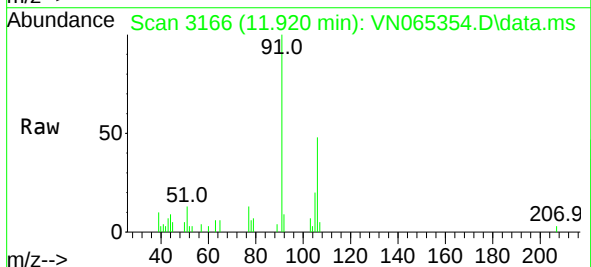
Instrument :
MSVOA_N
ClientSampleId :
JG-OWS-1

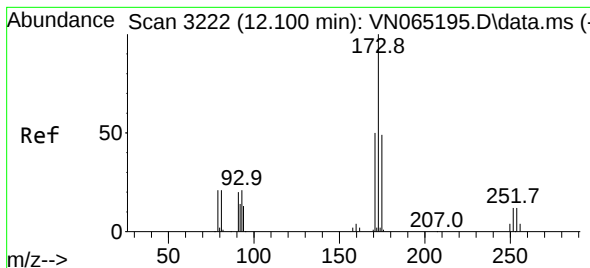
Tgt Ion:106 Resp: 8381
Ion Ratio Lower Upper
106 100
91 192.2 161.0 241.4



#69
o-Xylene
Concen: 0.77 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. -0.000 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion:106 Resp: 4887
Ion Ratio Lower Upper
106 100
91 213.6 105.5 316.5





#71

Bromoform

Concen: 0.45 ug/l

RT: 12.376 min Scan# 3308

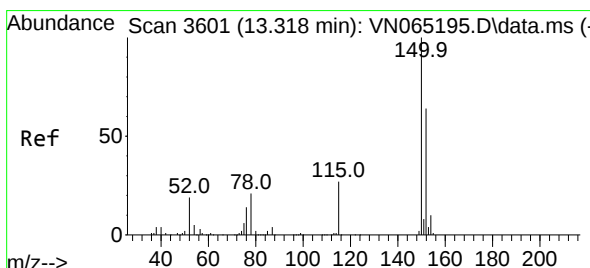
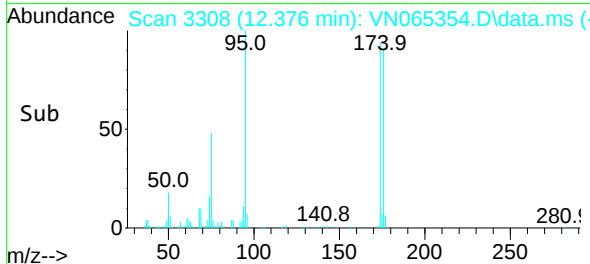
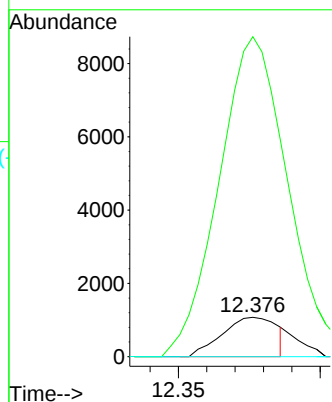
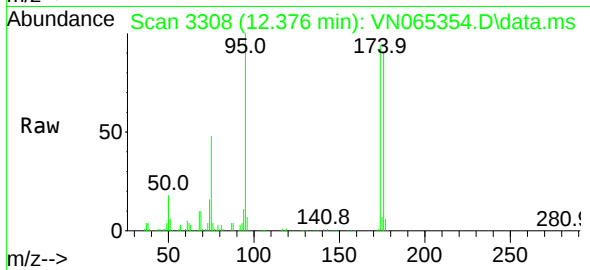
Delta R.T. 0.276 min

Lab File: VN065354.D

Acq: 31 Dec 2020 18:49

Tgt Ion:	173	Resp:	1445
Ion Ratio	Lower	Upper	
173	100		
175	842.6	24.3	72.8#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
JG-OWS-1



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

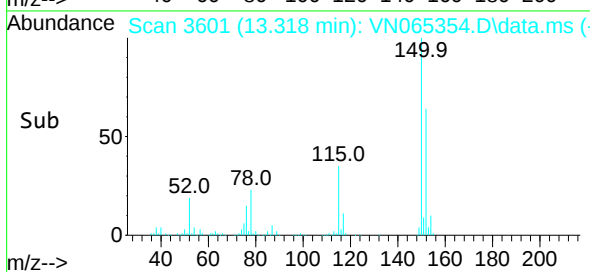
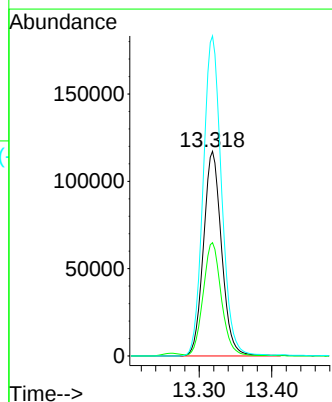
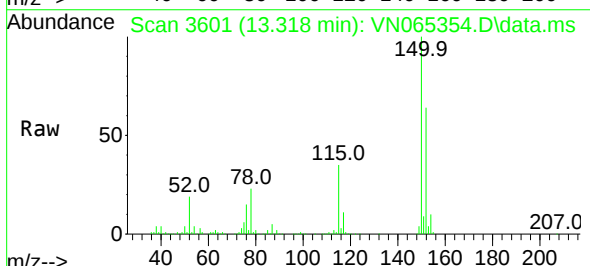
RT: 13.318 min Scan# 3601

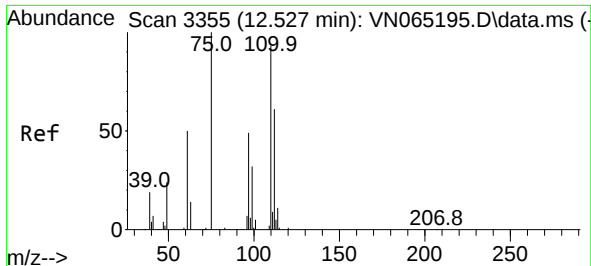
Delta R.T. 0.000 min

Lab File: VN065354.D

Acq: 31 Dec 2020 18:49

Tgt Ion:	152	Resp:	203355
Ion Ratio	Lower	Upper	
152	100		
115	55.2	29.7	89.1
150	158.7	0.0	350.6

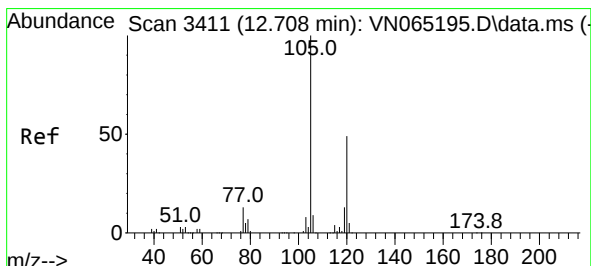
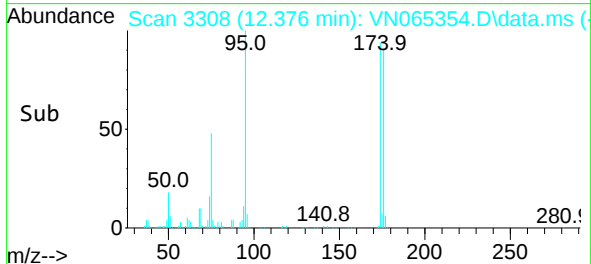
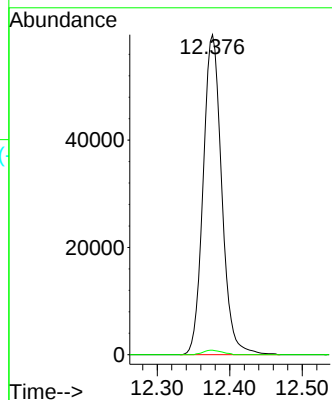
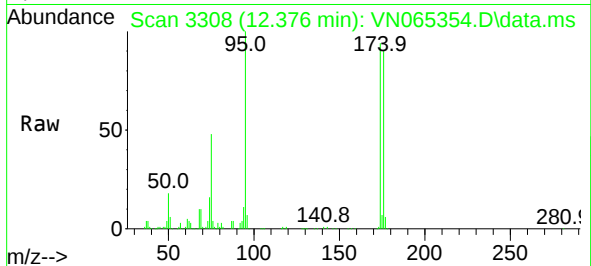




#76
1,2,3-Trichloropropane
Concen: 25.56 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

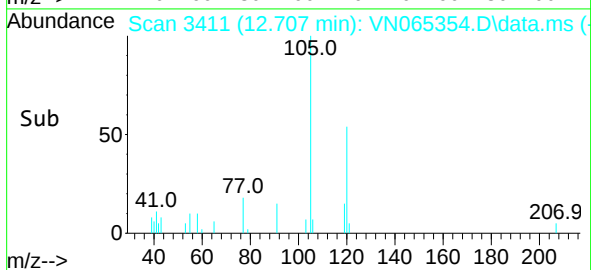
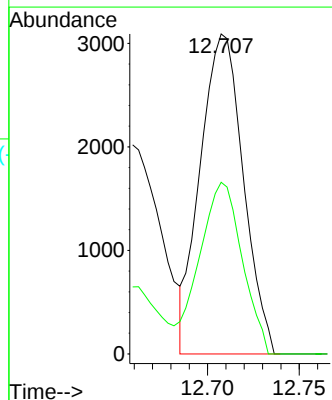
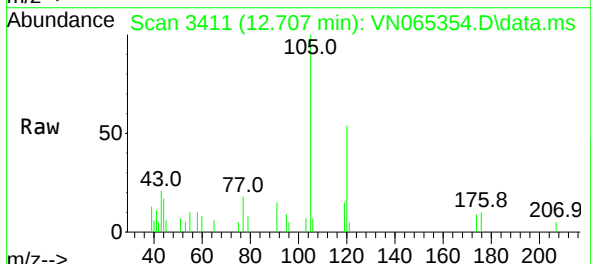
Instrument :
MSVOA_N
ClientSampleId :
JG-OWS-1

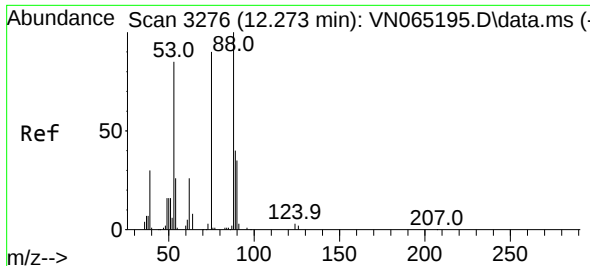
Tgt Ion: 75 Resp: 106058
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.38 ug/l
RT: 12.707 min Scan# 3411
Delta R.T. -0.001 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 105 Resp: 5039
Ion Ratio Lower Upper
105 100
120 53.4 24.6 73.6

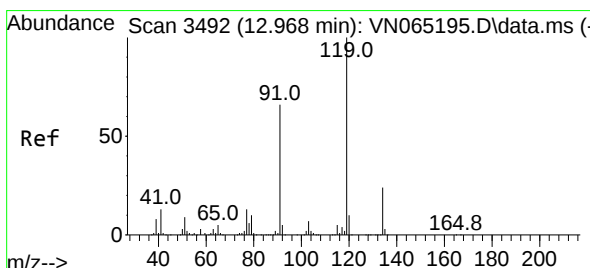
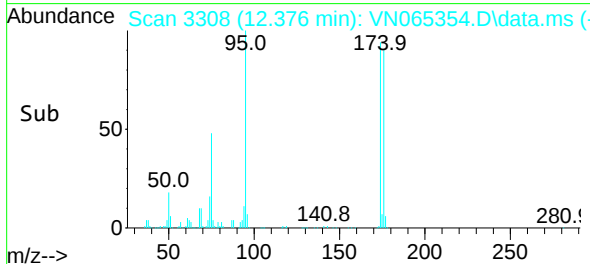
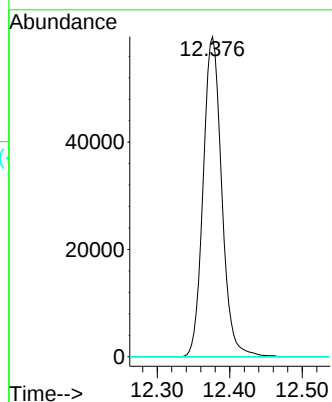
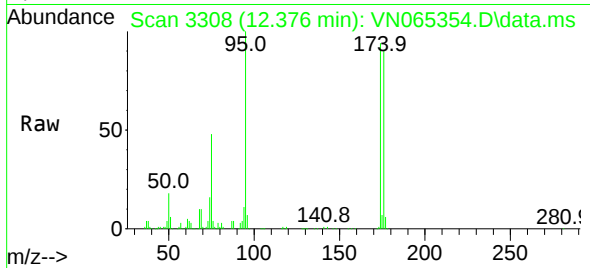




#81
trans-1,4-Dichloro-2-butene
Concen: 64.46 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

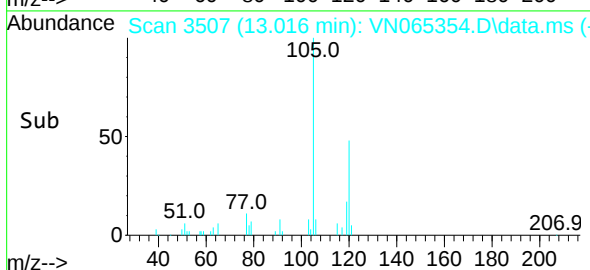
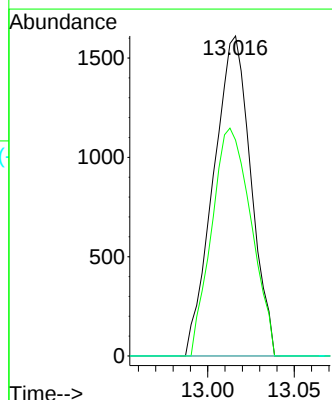
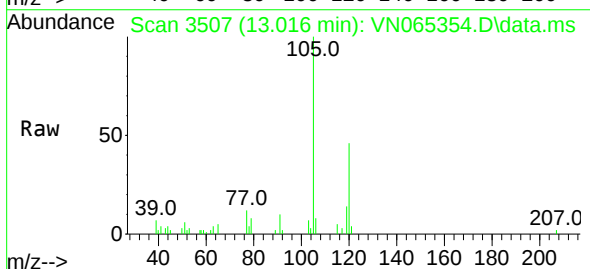
Instrument :
MSVOA_N
ClientSampleId :
JG-OWS-1

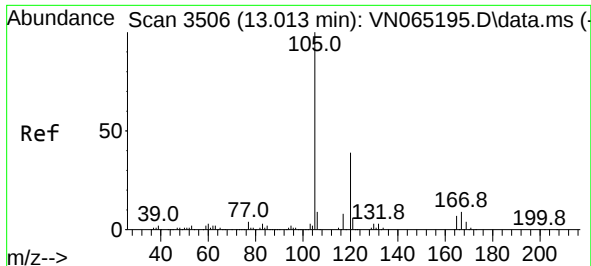
Tgt Ion: 75 Resp: 106058
Ion Ratio Lower Upper
75 100
53 0.0 67.0 100.4#
89 0.0 39.6 59.4#



#83
tert-Butylbenzene
Concen: 0.22 ug/l
RT: 13.016 min Scan# 3507
Delta R.T. 0.048 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Tgt Ion: 119 Resp: 2426
Ion Ratio Lower Upper
119 100
91 75.0 32.3 96.8
134 0.0 12.6 37.6#

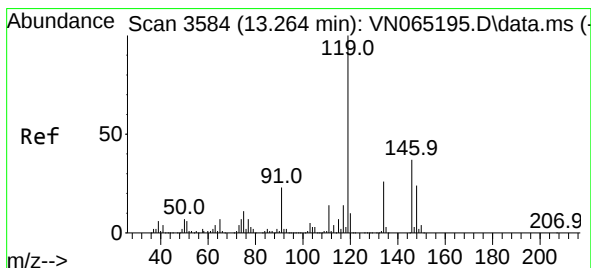
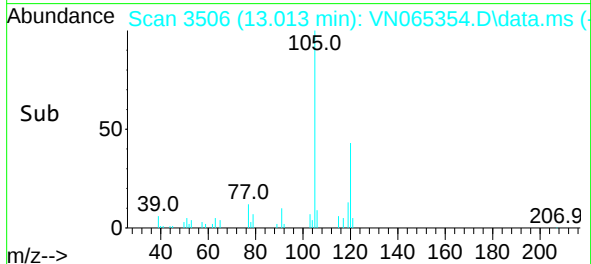
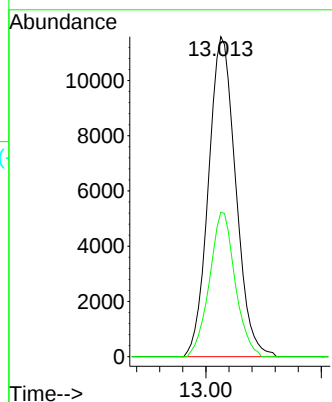
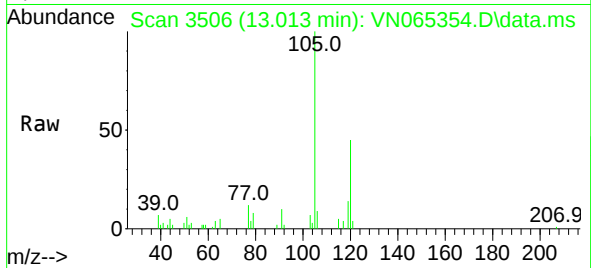




#84
1,2,4-Trimethylbenzene
Concen: 1.48 ug/l
RT: 13.013 min Scan# 3506
Delta R.T. -0.000 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

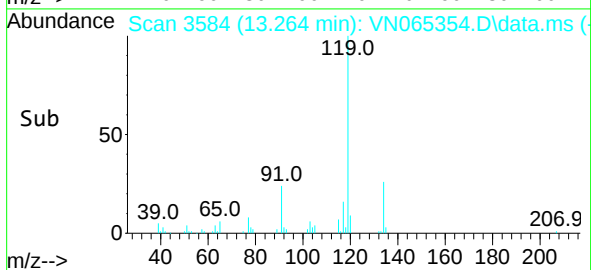
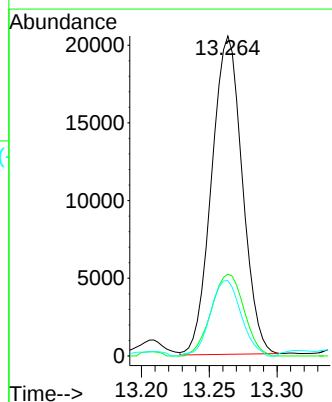
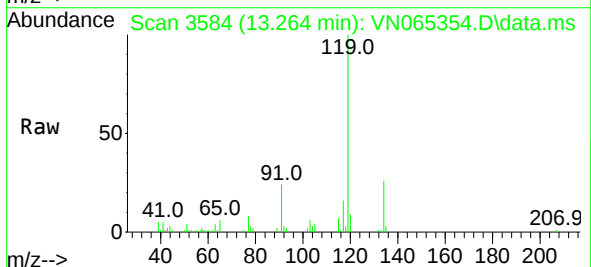
Instrument :
MSVOA_N
ClientSampled :
JG-OWS-1

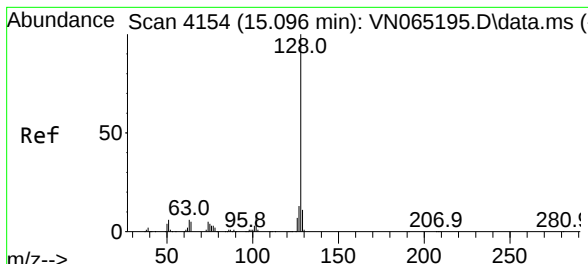
Tgt Ion:105 Resp: 18988
Ion Ratio Lower Upper
105 100
120 42.4 23.1 69.2



#86
p-Isopropyltoluene
Concen: 2.35 ug/l
RT: 13.264 min Scan# 3584
Delta R.T. -0.000 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

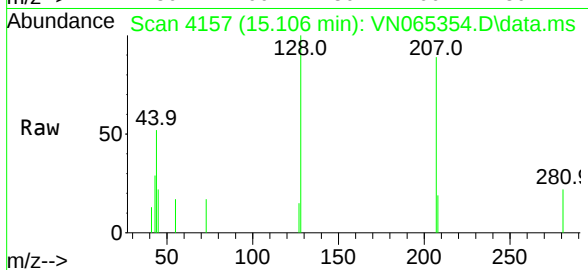
Tgt Ion:119 Resp: 32198
Ion Ratio Lower Upper
119 100
134 27.4 13.1 39.1
91 23.8 11.5 34.5





#95
Naphthalene
Concen: 3.57 ug/l
RT: 15.106 min Scan# 4157
Delta R.T. 0.010 min
Lab File: VN065354.D
Acq: 31 Dec 2020 18:49

Instrument :
MSVOA_N
ClientSampleId :
JG-OWS-1



Tgt Ion:	128	Resp:	2185
Ion	Ratio	Lower	Upper
128	100		
127	2.9	10.3	15.5#
129	1.3	8.7	13.1#

