

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021021\
 Data File : VN065804.D
 Acq On : 10 Feb 2021 18:51
 Operator : JC/MD
 Sample : M1321-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(FEB)

Quant Time: Feb 11 01:35:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 14:50:04 2021
 Response via : Initial Calibration

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

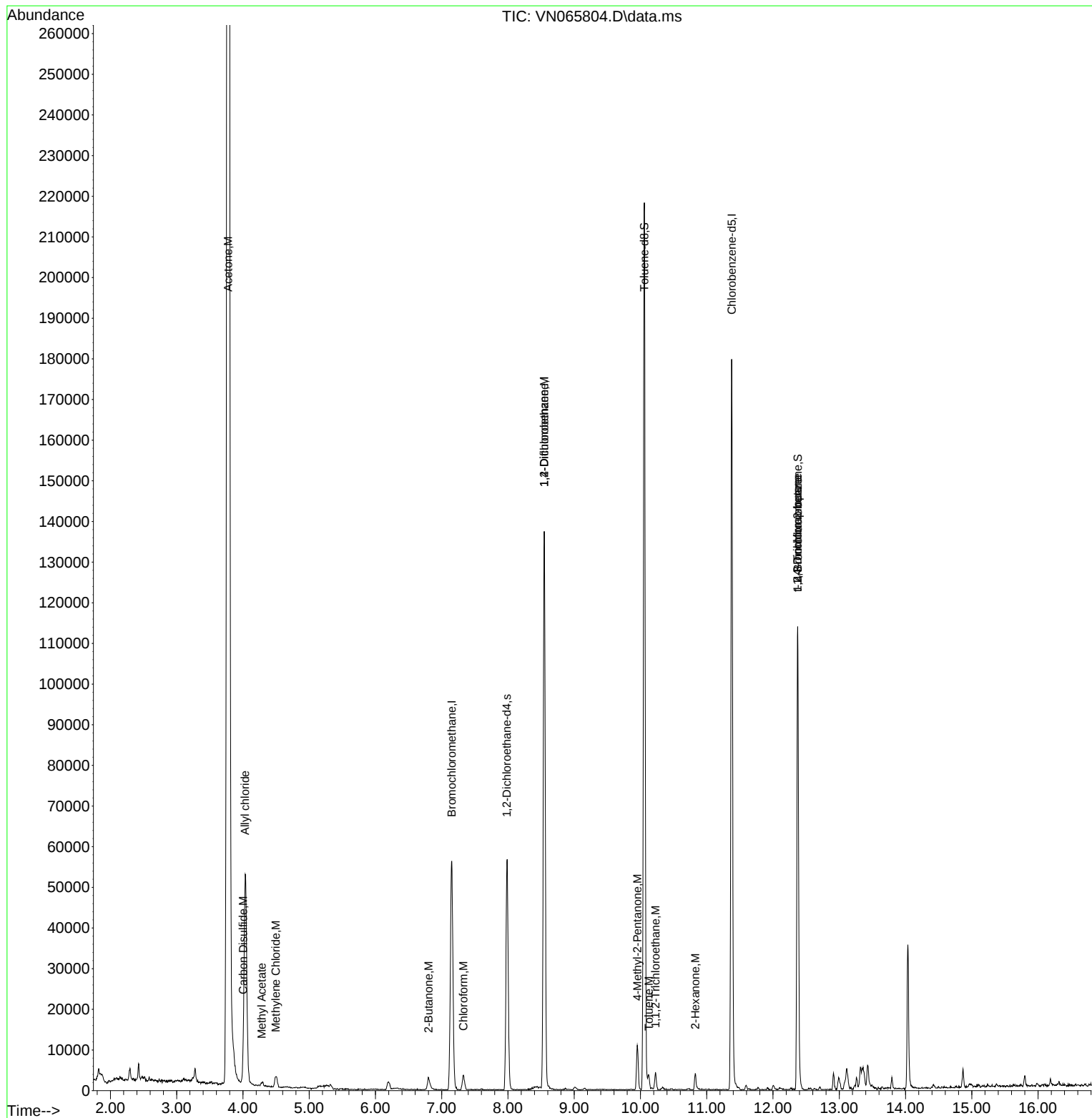
Internal Standards						
1) Bromochloromethane	7.151	128	23522	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	131975	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	114789	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	48369	29.65	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.83%		
60) 4-Bromofluorobenzene	12.373	95	48100	25.76	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	85.87%		
63) Toluene-d8	10.058	98	162997	29.54	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.47%		
Target Compounds						Qvalue
12) Methyl Acetate	4.283	43	1073	0.64	ug/l #	50
15) Acetone	3.775	58	413065	1823.46	ug/l	85
16) Carbon Disulfide	4.004	76	4078	0.95	ug/l #	73
17) Allyl chloride	4.032	41	7644	2.93	ug/l #	82
18) Methylene Chloride	4.495	84	1408	0.87	ug/l #	70
25) Chloroform	7.328	83	4496	1.71	ug/l	86
30) 2-Butanone	6.801	43	6195	6.49	ug/l #	67
36) 1,2-Dichloroethane	8.547	62	3561	1.80	ug/l #	74
50) 1,1,2-Trichloroethane	10.228	97	4130	2.78	ug/l #	19
58) 4-Methyl-2-Pentanone	9.952	43	8743	4.59	ug/l #	97
59) 2-Hexanone	10.826	43	3020	2.21	ug/l #	35
62) Toluene	10.125	91	2801	0.42	ug/l #	34
72) 1,2,3-Trichloropropane	12.370	75	21143	11.00	ug/l	1
77) t-1,4-Dichloro-2-butene	12.370	75	21143	28.16	ug/l #	14

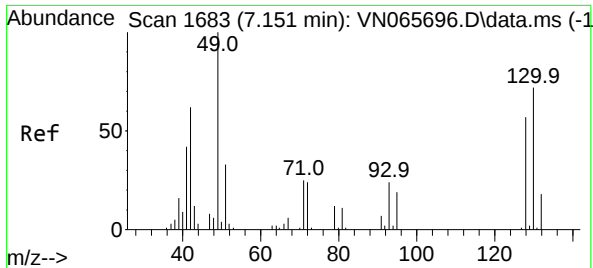
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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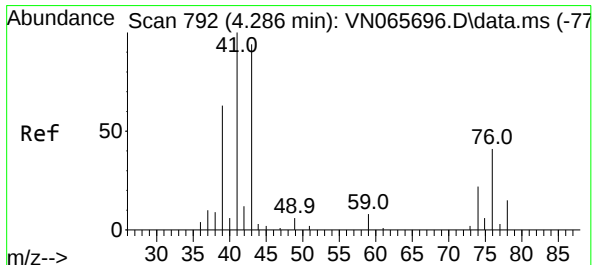
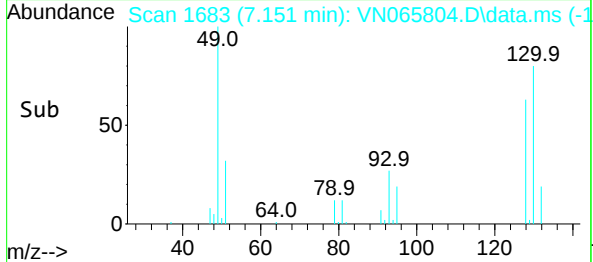
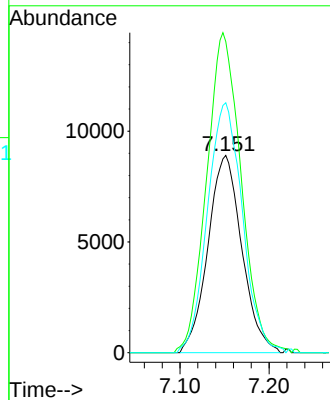
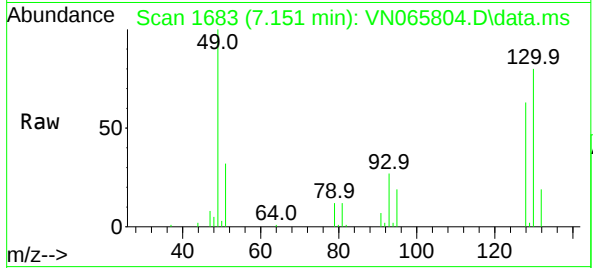




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.151 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

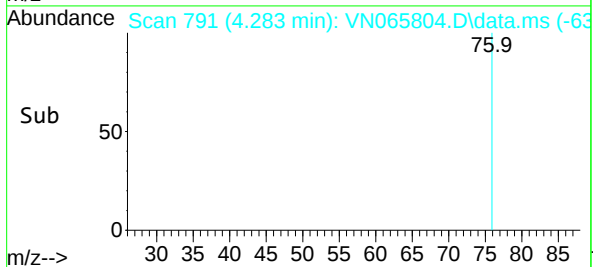
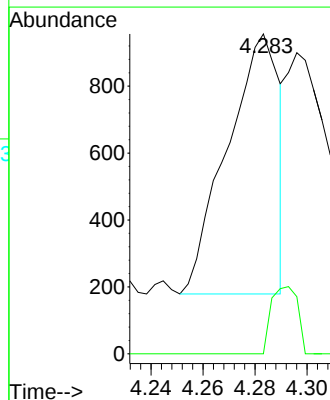
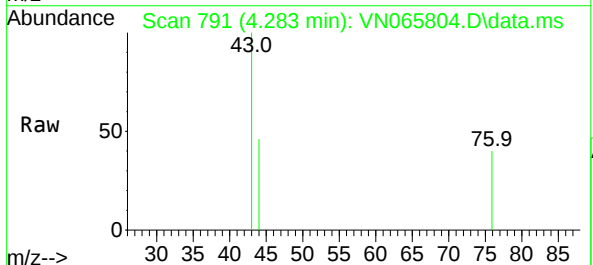
Instrument :
MSVOA_N
ClientSampleId :
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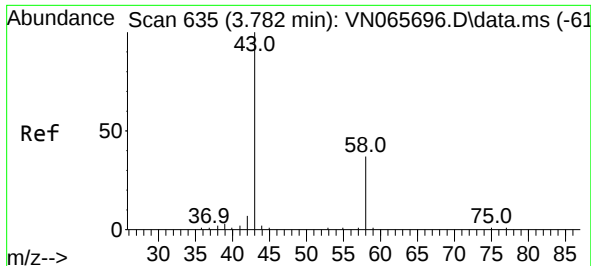
Tgt Ion:128 Resp: 23522
Ion Ratio Lower Upper
128 100
49 164.8 0.0 355.0
130 130.7 0.0 325.5



#12
Methyl Acetate
Concen: 0.64 ug/l
RT: 4.283 min Scan# 791
Delta R.T. -0.003 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

Tgt Ion: 43 Resp: 1073
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#

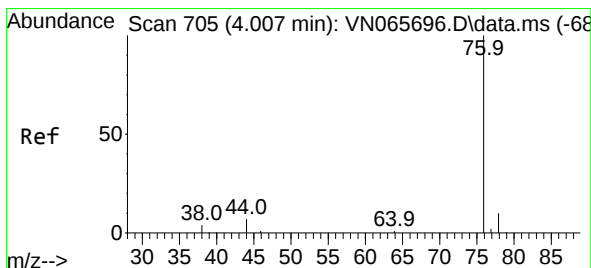
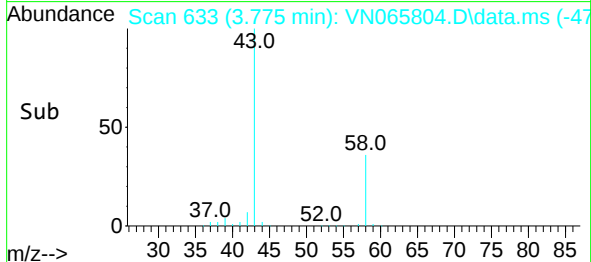
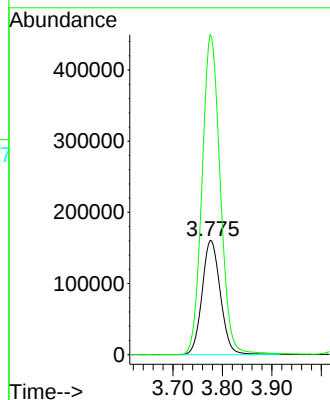
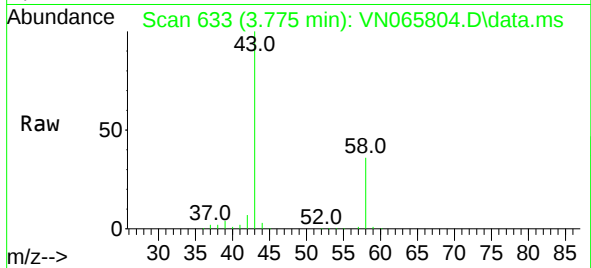




#15
Acetone
Concen: 1823.46 ug/l
RT: 3.775 min Scan# 633
Delta R.T. -0.006 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

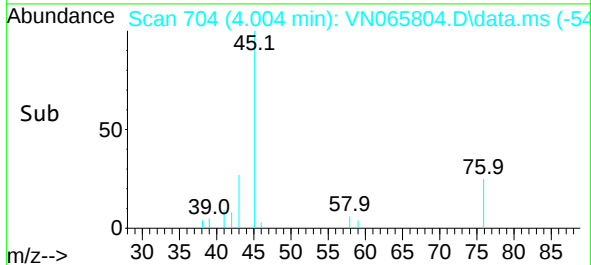
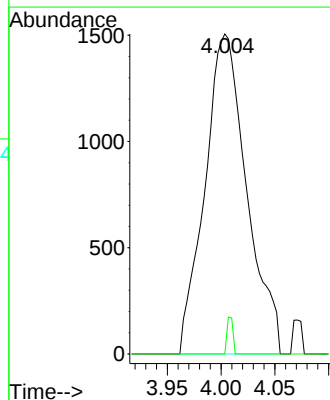
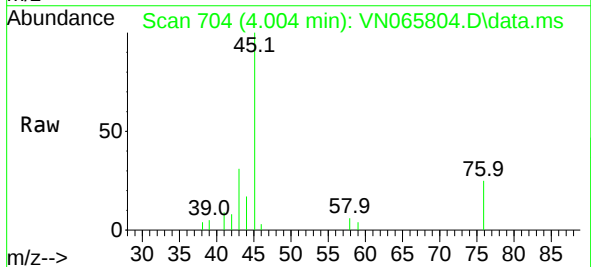
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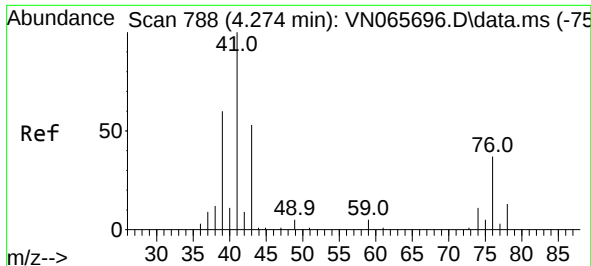
Tgt Ion: 58 Resp: 413065
Ion Ratio Lower Upper
58 100
43 280.0 203.4 305.0



#16
Carbon Disulfide
Concen: 0.95 ug/l
RT: 4.004 min Scan# 704
Delta R.T. -0.003 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

Tgt Ion: 76 Resp: 4078
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8#





#17

Allyl chloride

Concen: 2.93 ug/l

RT: 4.032 min Scan# 713

Delta R.T. -0.241 min

Lab File: VN065804.D

Acq: 10 Feb 2021 18:51

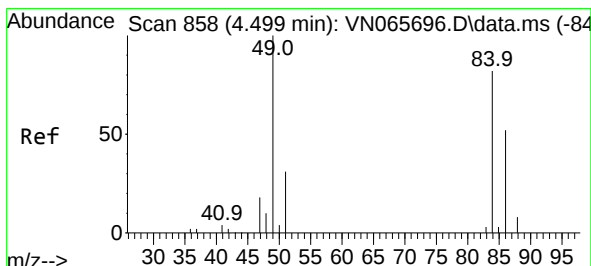
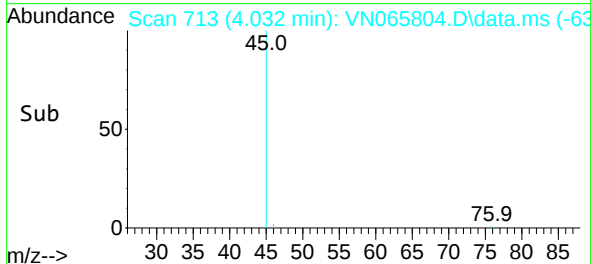
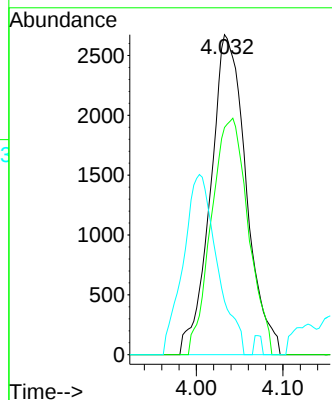
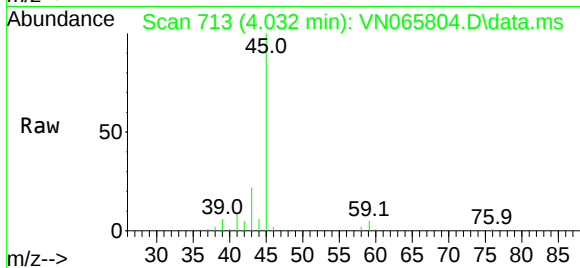
Tgt Ion:	41	Resp:	7644
Ion	Ratio	Lower	Upper
41	100		
39	71.0	33.5	100.5
76	16.7	20.3	60.8#

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(FEB)



#18

Methylene Chloride

Concen: 0.87 ug/l

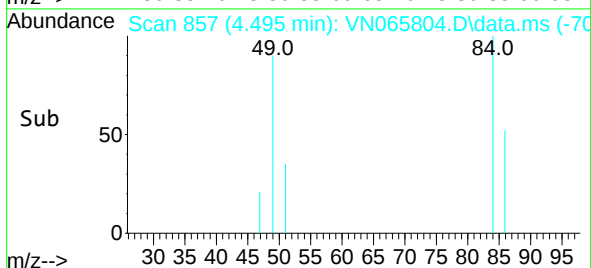
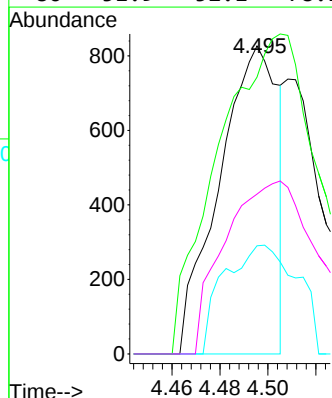
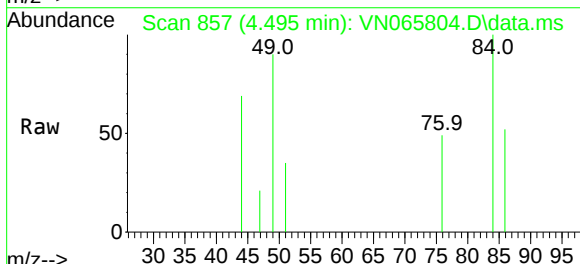
RT: 4.495 min Scan# 857

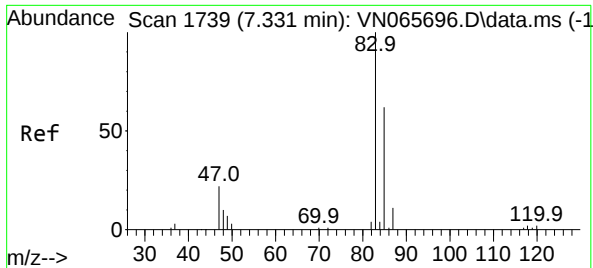
Delta R.T. -0.003 min

Lab File: VN065804.D

Acq: 10 Feb 2021 18:51

Tgt Ion:	84	Resp:	1408
Ion	Ratio	Lower	Upper
84	100		
49	64.4	91.3	136.9#
51	35.1	28.8	43.2
86	51.9	52.1	78.1#

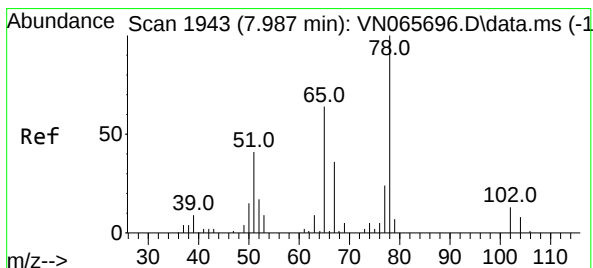
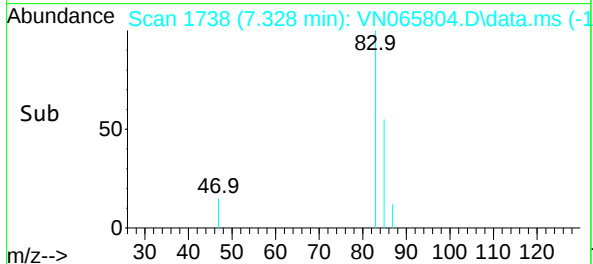
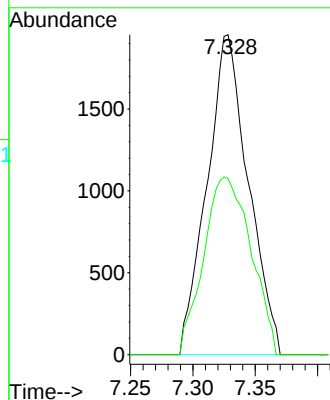
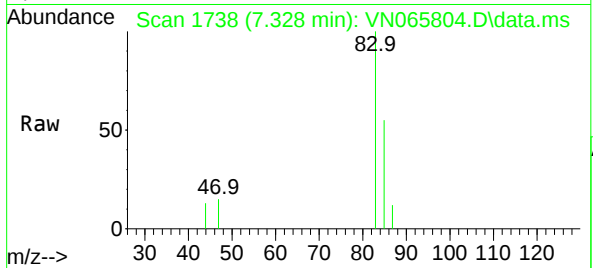




#25
Chloroform
Concen: 1.71 ug/l
RT: 7.328 min Scan# 1738
Delta R.T. -0.003 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

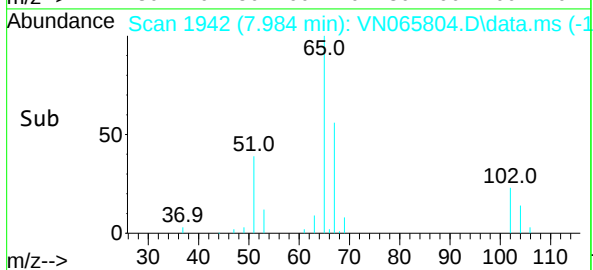
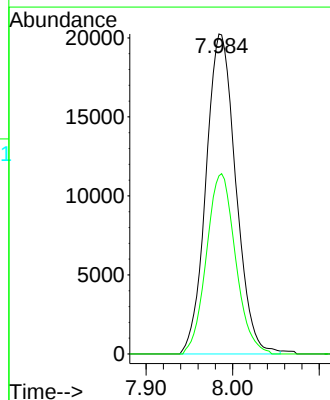
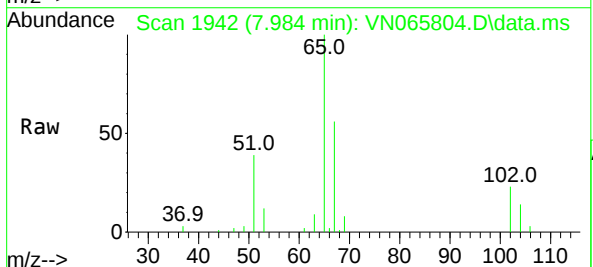
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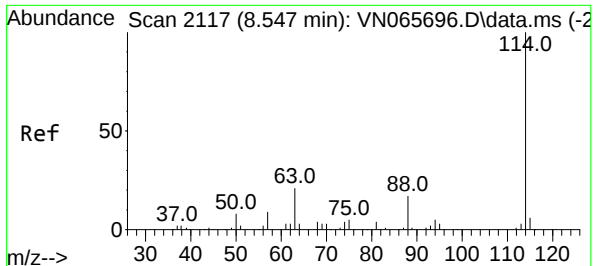
Tgt Ion: 83 Resp: 4496
Ion Ratio Lower Upper
83 100
85 55.1 53.0 79.4



#27
1,2-Dichloroethane-d4
Concen: 29.65 ug/l
RT: 7.984 min Scan# 1942
Delta R.T. -0.003 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

Tgt Ion: 65 Resp: 48369
Ion Ratio Lower Upper
65 100
67 55.0 42.8 64.2

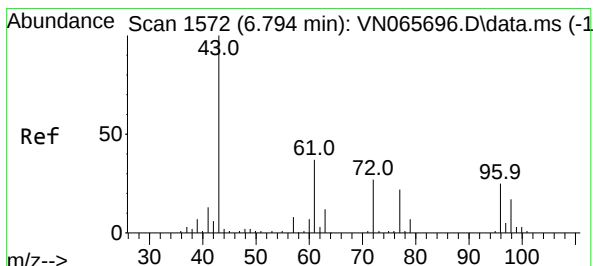
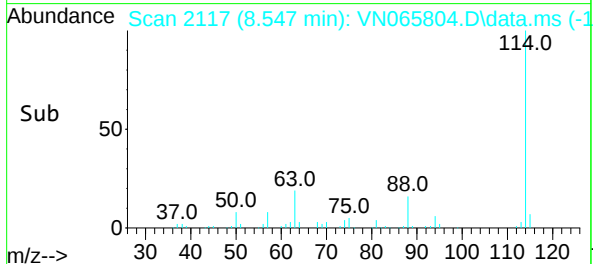
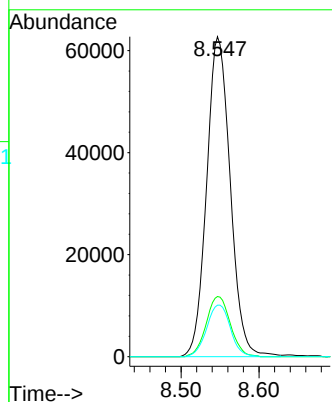
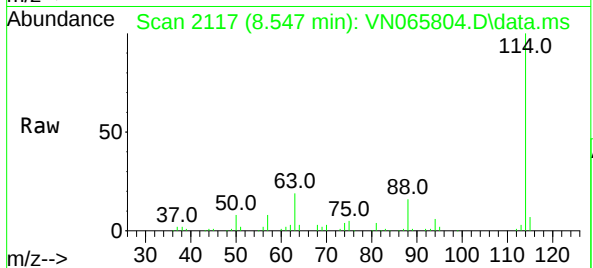




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

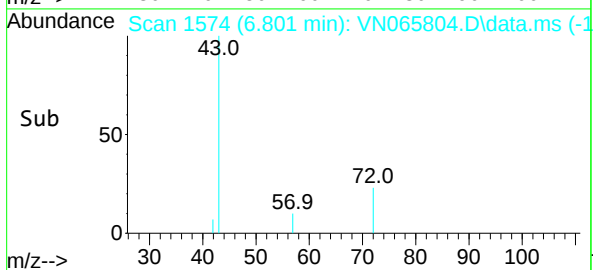
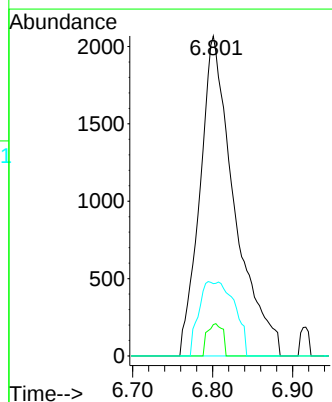
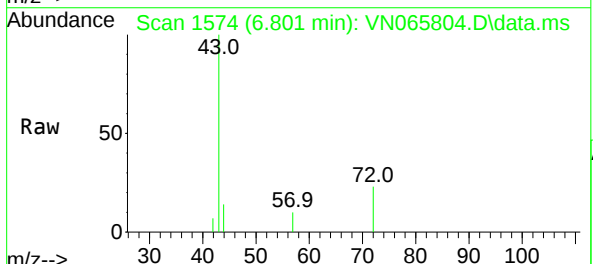
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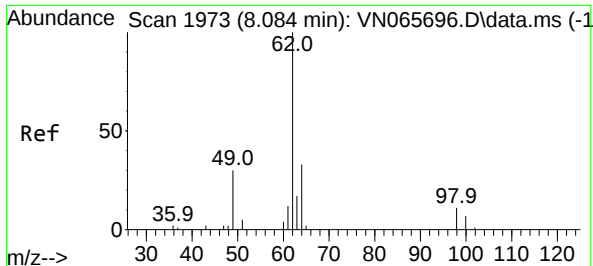
Tgt Ion:114 Resp: 131975
Ion Ratio Lower Upper
114 100
63 19.2 14.7 22.1
88 16.3 11.7 17.5



#30
2-Butanone
Concen: 6.49 ug/l
RT: 6.801 min Scan# 1574
Delta R.T. 0.007 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

Tgt Ion: 43 Resp: 6195
Ion Ratio Lower Upper
43 100
57 0.4 7.0 10.4#
72 10.2 23.6 35.4#

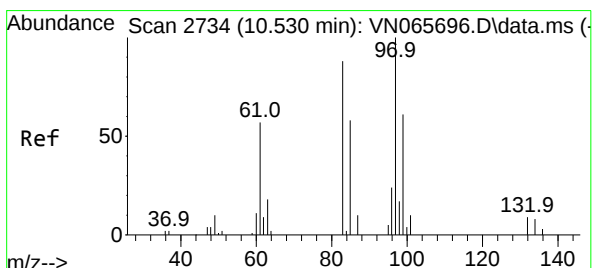
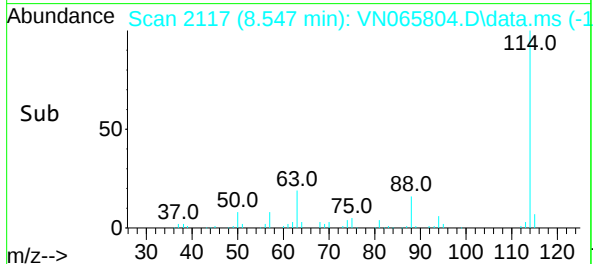
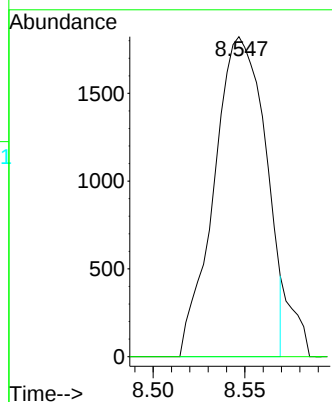
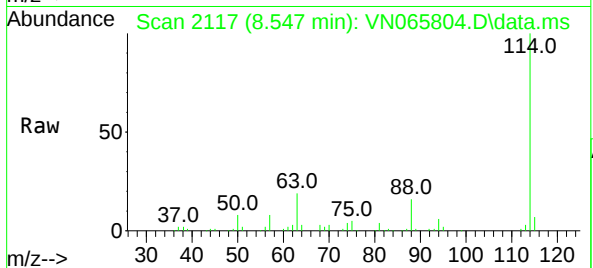




#36
1,2-Dichloroethane
Concen: 1.80 ug/l
RT: 8.547 min Scan# 2117
Delta R.T. 0.463 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

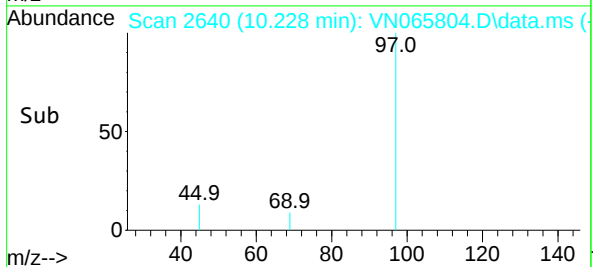
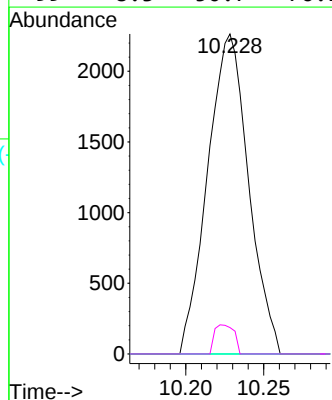
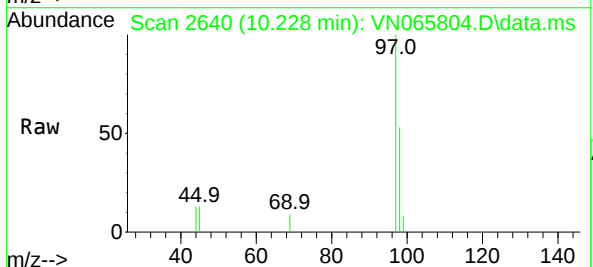
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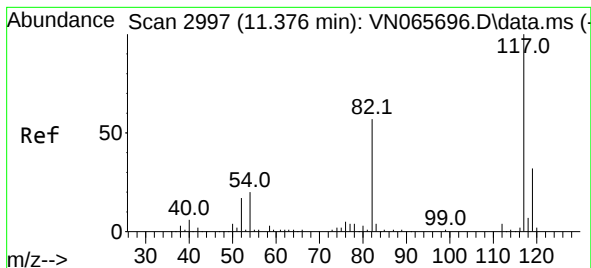
Tgt Ion: 62 Resp: 3561
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



#50
1,1,2-Trichloroethane
Concen: 2.78 ug/l
RT: 10.228 min Scan# 2640
Delta R.T. -0.302 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

Tgt Ion: 97 Resp: 4130
Ion Ratio Lower Upper
97 100
83 0.0 68.4 102.6#
85 0.0 42.8 64.2#
99 8.3 50.7 76.1#

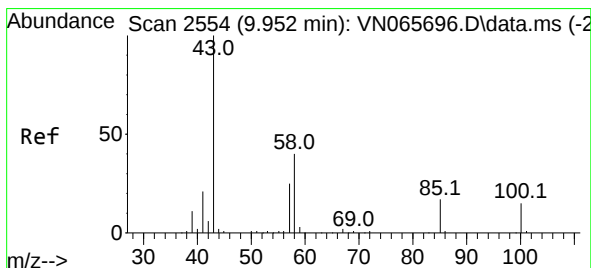
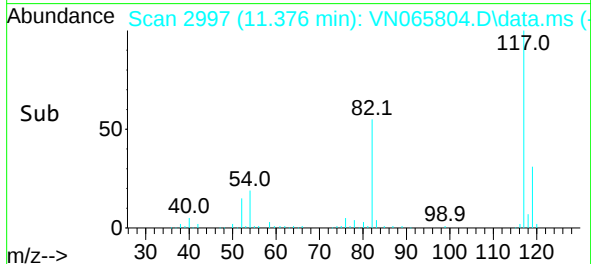
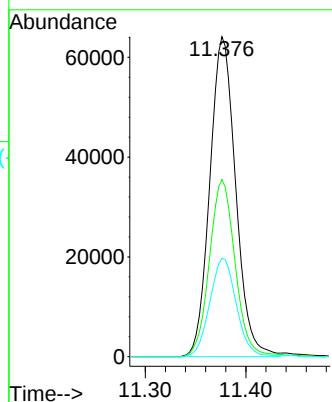
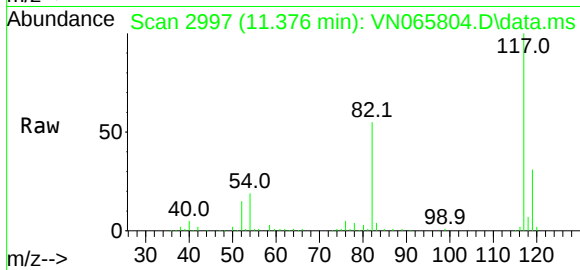




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

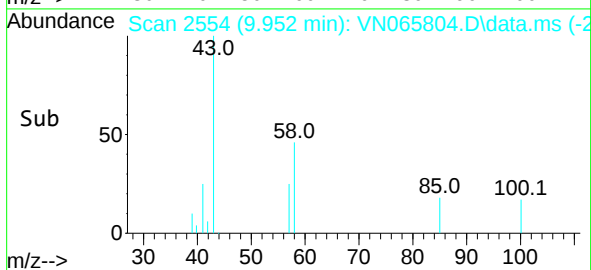
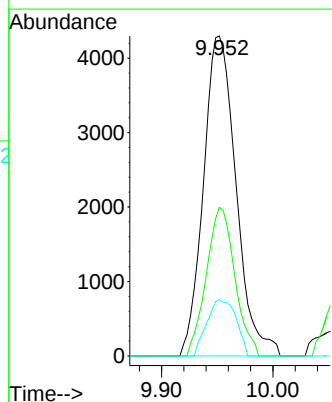
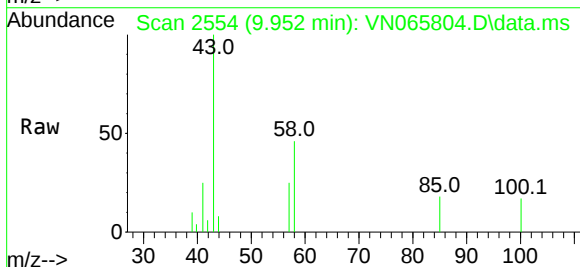
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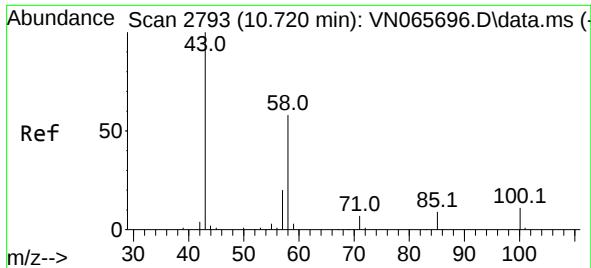
Tgt Ion:117 Resp: 114789
Ion Ratio Lower Upper
117 100
82 55.3 41.3 61.9
119 31.4 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 4.59 ug/l
RT: 9.952 min Scan# 2554
Delta R.T. 0.000 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

Tgt Ion: 43 Resp: 8743
Ion Ratio Lower Upper
43 100
58 40.6 32.7 49.1
85 15.7 16.0 24.0#

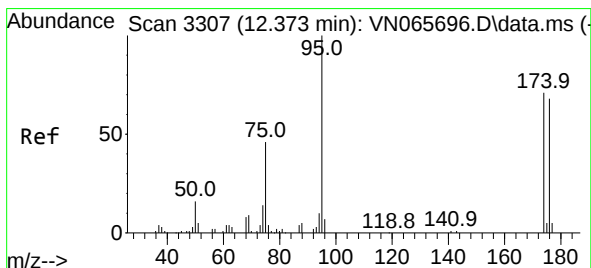
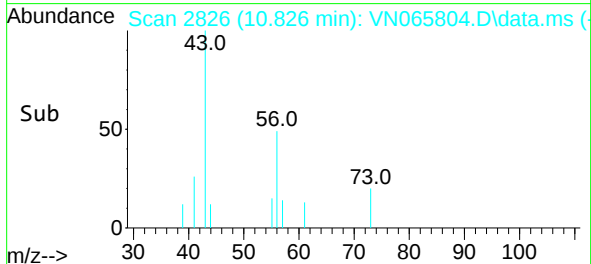
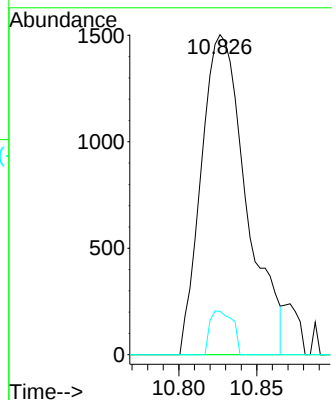
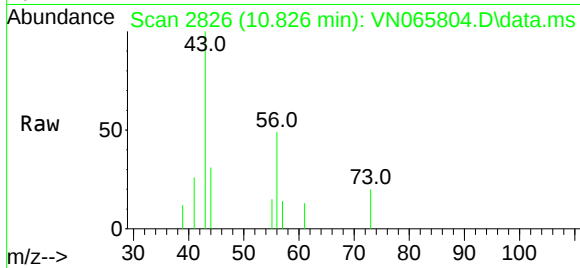




#59
2-Hexanone
Concen: 2.21 ug/l
RT: 10.826 min Scan# 2826
Delta R.T. 0.106 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

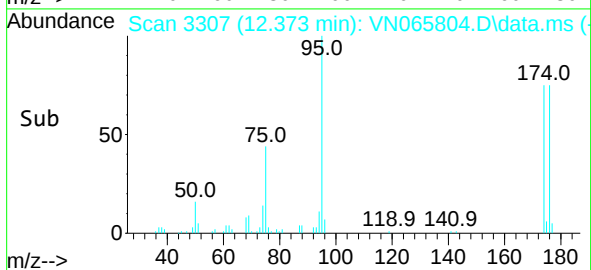
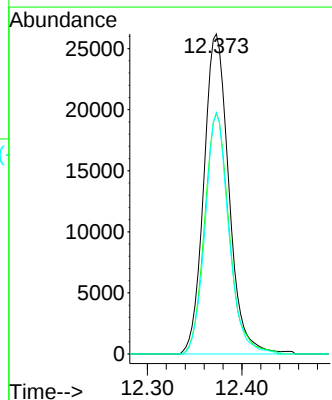
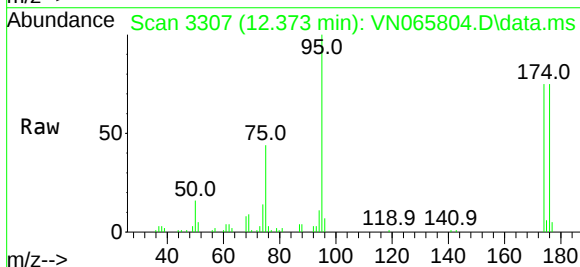
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(FEB)

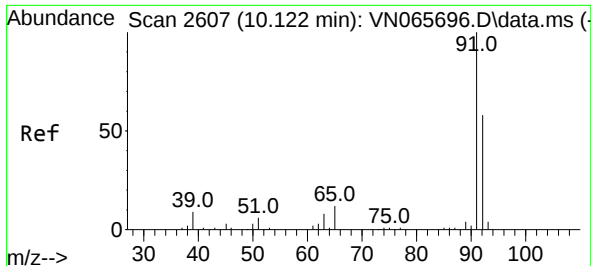
Tgt Ion: 43 Resp: 3020
Ion Ratio Lower Upper
43 100
58 0.0 45.4 68.0#
57 6.9 15.8 23.8#



#60
4-Bromofluorobenzene
Concen: 25.76 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

Tgt Ion: 95 Resp: 48100
Ion Ratio Lower Upper
95 100
174 74.2 77.0 115.6#
176 71.4 75.8 113.6#





#62

Toluene

Concen: 0.42 ug/l

RT: 10.125 min Scan# 2608

Delta R.T. 0.003 min

Lab File: VN065804.D

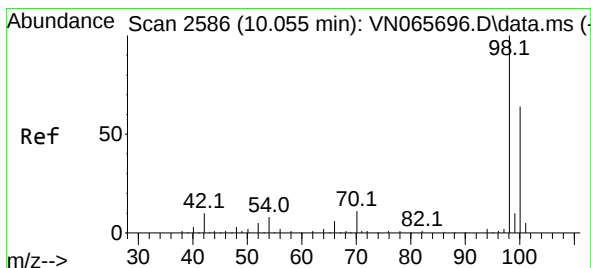
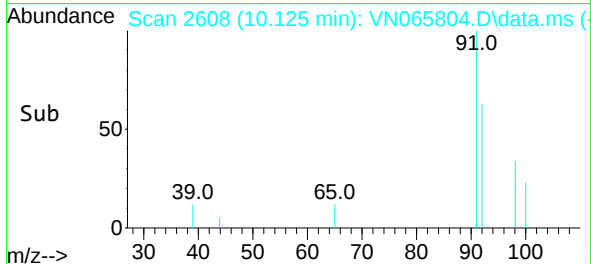
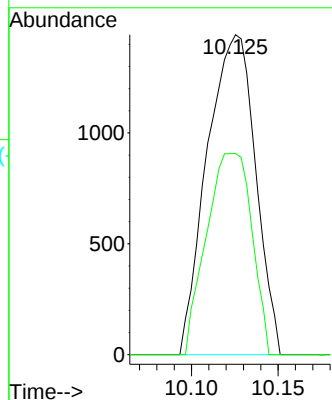
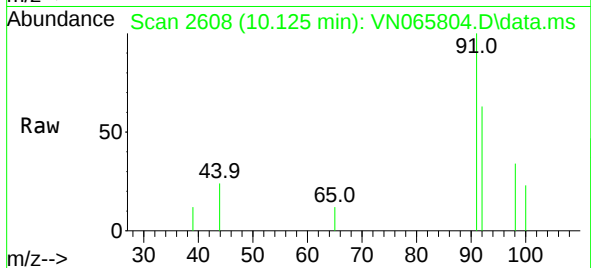
Acq: 10 Feb 2021 18:51

Tgt Ion: 91 Resp: 2801

Ion Ratio Lower Upper

91 100

92 8.7 46.2 69.4#



#63

Toluene-d8

Concen: 29.54 ug/l

RT: 10.058 min Scan# 2587

Delta R.T. 0.003 min

Lab File: VN065804.D

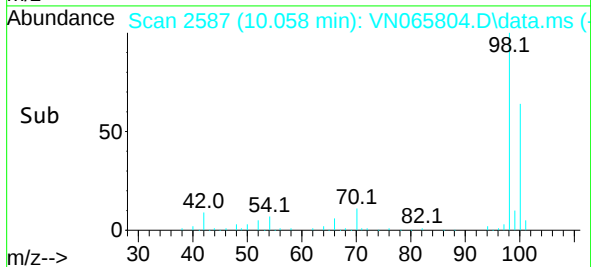
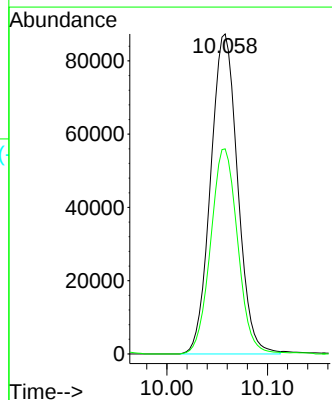
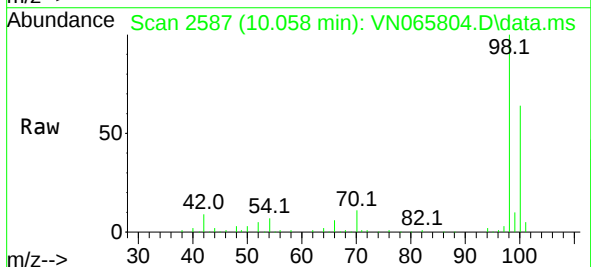
Acq: 10 Feb 2021 18:51

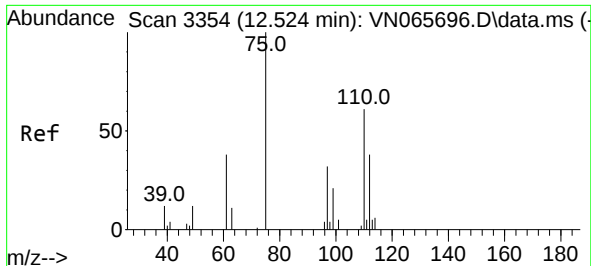
Tgt Ion: 98 Resp: 162997

Ion Ratio Lower Upper

98 100

100 64.2 51.9 77.9

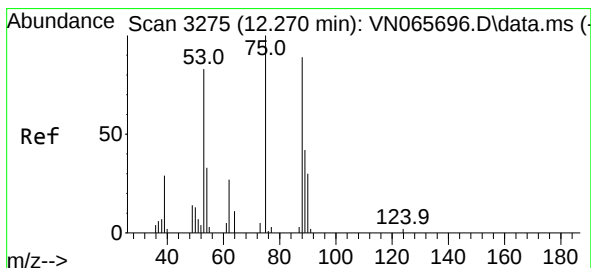
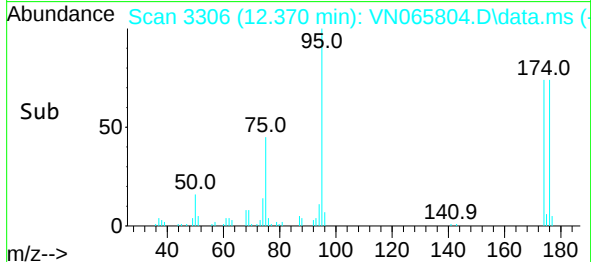
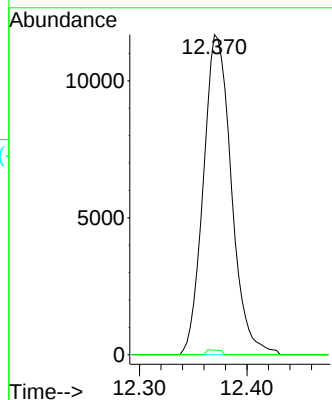
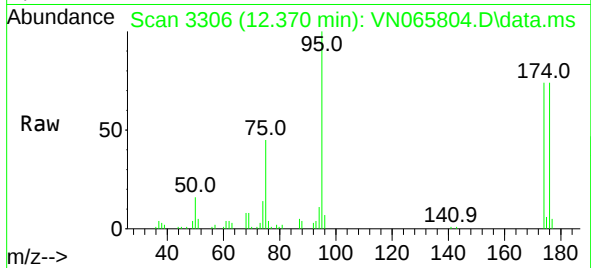




#72
1,2,3-Trichloropropane
Concen: 11.00 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. -0.154 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(FEB)

Tgt Ion: 75 Resp: 21143
Ion Ratio Lower Upper
75 100
77 0.6 0.0 366.4



#77
t-1,4-Dichloro-2-butene
Concen: 28.16 ug/l
RT: 12.370 min Scan# 3306
Delta R.T. 0.100 min
Lab File: VN065804.D
Acq: 10 Feb 2021 18:51

Tgt Ion: 75 Resp: 21143
Ion Ratio Lower Upper
75 100
53 0.0 44.9 134.5#
89 0.0 21.3 64.0#

