

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061110.D
 Acq On : 20 Apr 2020 18:30
 Operator : JC/MD
 Sample : L2330-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WB-TWP-1

Quant Time: Apr 21 06:13:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	145435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	248387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	236714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105839	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	100139	53.82	ug/l	0.00
Spiked Amount						
			Recovery	=	107.64%	
35) Dibromofluoromethane	7.56	113	75585	52.11	ug/l	0.00
Spiked Amount						
			Recovery	=	104.22%	
50) Toluene-d8	10.08	98	307071	56.02	ug/l	0.00
Spiked Amount						
			Recovery	=	112.04%	
62) 4-Bromofluorobenzene	12.40	95	115464	53.75	ug/l	0.00
Spiked Amount						
			Recovery	=	107.50%	

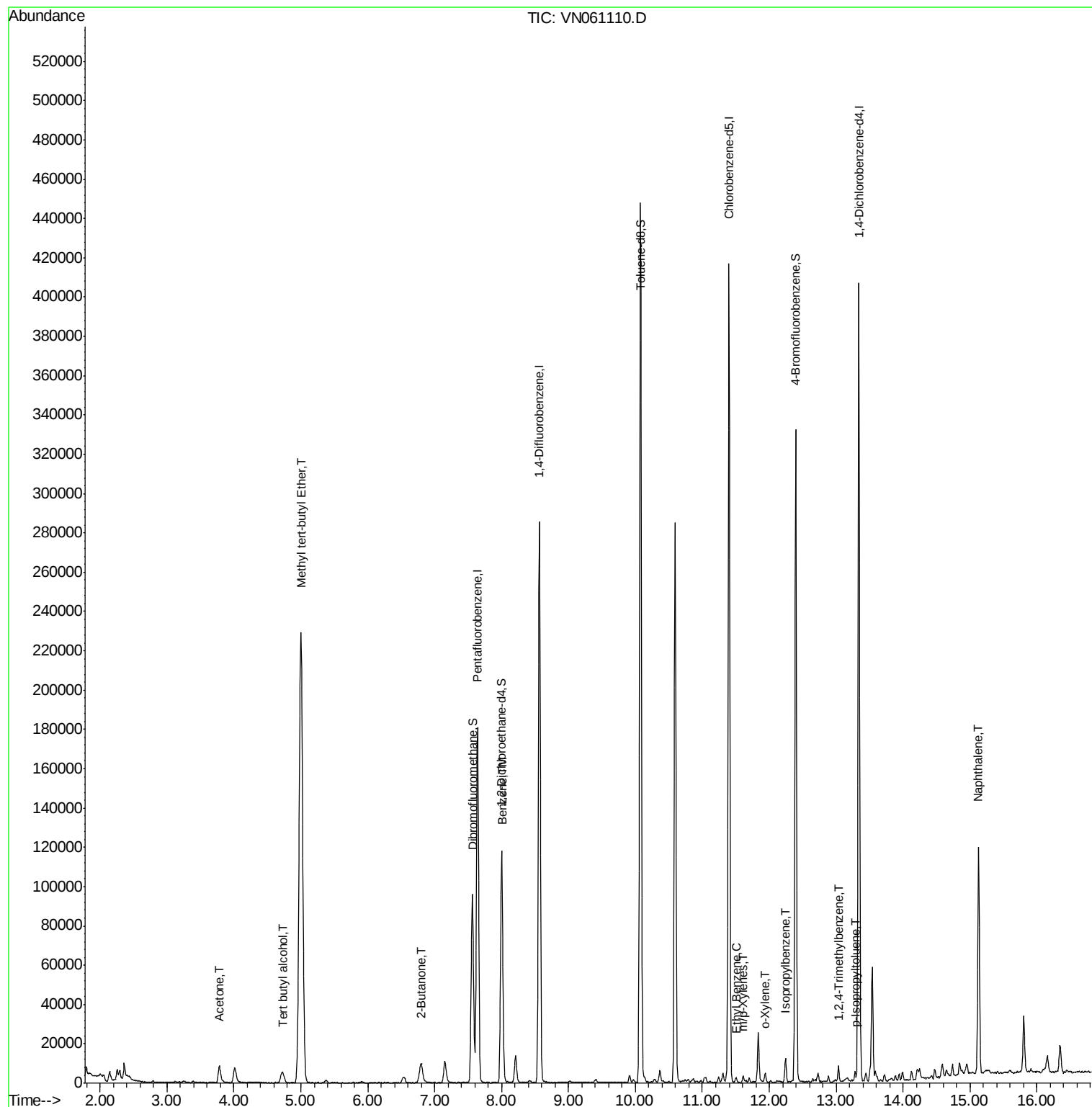
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	11811	35.775	ug/l #	73
16) Acetone	3.78	43	15256	18.627	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	398759	71.857	ug/l	98
25) 2-Butanone	6.80	43	18363	14.632	ug/l	98
40) Benzene	8.02	78	3913	0.515	ug/l	99
67) Ethyl Benzene	11.50	91	2593	0.282	ug/l	99
68) m/p-Xylenes	11.61	106	1085	0.327	ug/l	81
69) o-Xylene	11.94	106	1310	0.410	ug/l	97
73) Isopropylbenzene	12.24	105	8706	1.027	ug/l	97
84) 1,2,4-Trimethylbenzene	13.03	105	5292	0.764	ug/l	98
86) p-Isopropyltoluene	13.29	119	3542	0.498	ug/l	98
95) Naphthalene	15.13	128	99803	17.170	ug/l	100

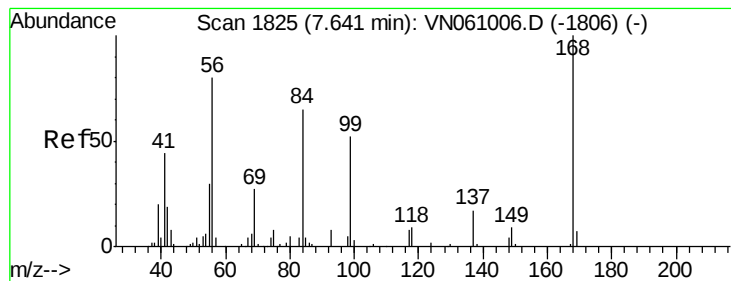
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN061110.D

Acq: 20 Apr 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

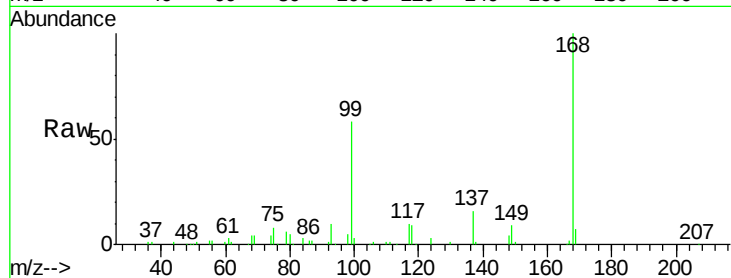
WB-TWP-1

Tot Ion:168 Resp: 145435

Ion Ratio Lower Upper

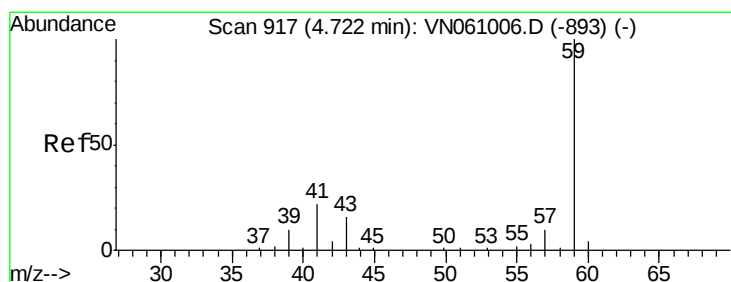
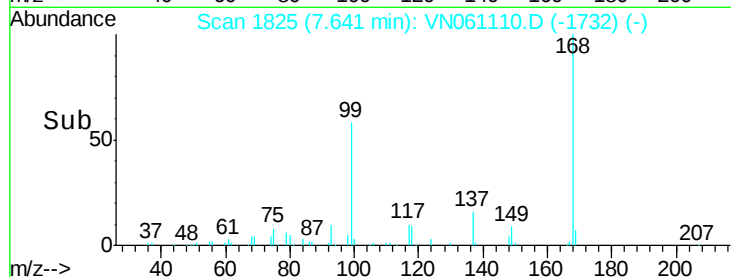
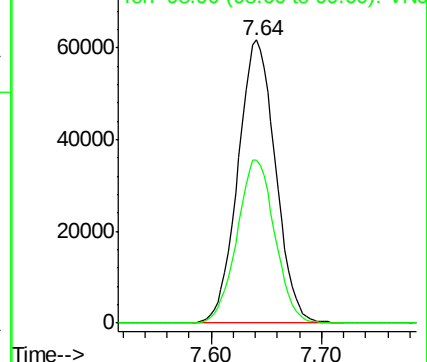
168 100

99 57.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 35.775 ug/l

RT: 4.72 min Scan# 918

Delta R.T. 0.00 min

Lab File: VN061110.D

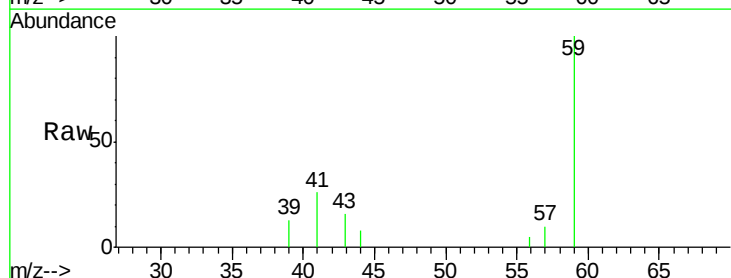
Acq: 20 Apr 2020 18:30

Tgt Ion: 59 Resp: 11811

Ion Ratio Lower Upper

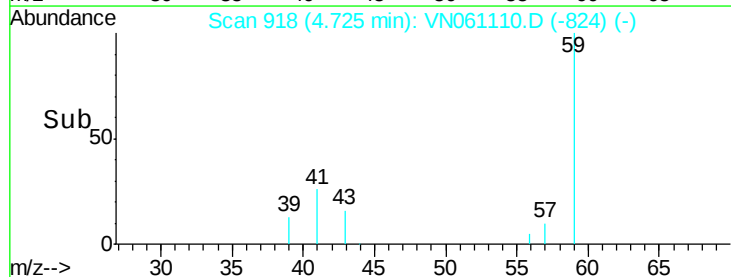
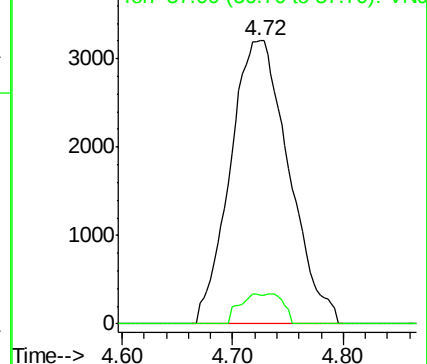
59 100

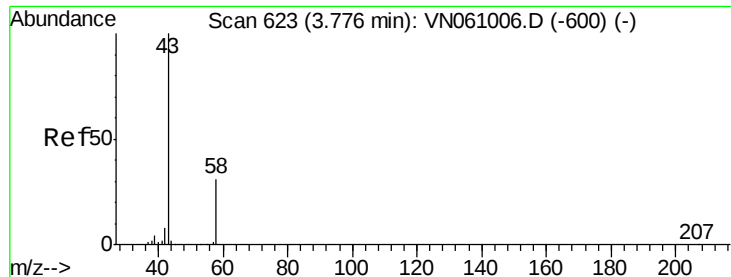
57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 18.627 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061110.D

Acq: 20 Apr 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

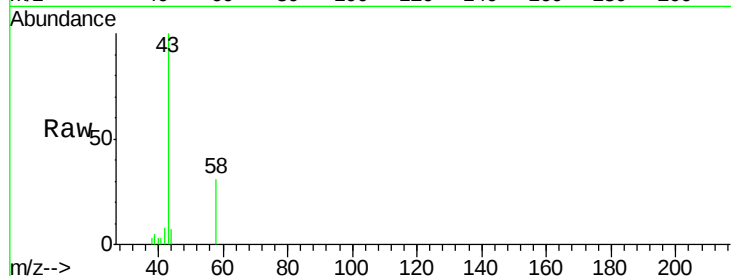
WB-TWP-1

Tot Ion: 43 Resp: 15256

Ion Ratio Lower Upper

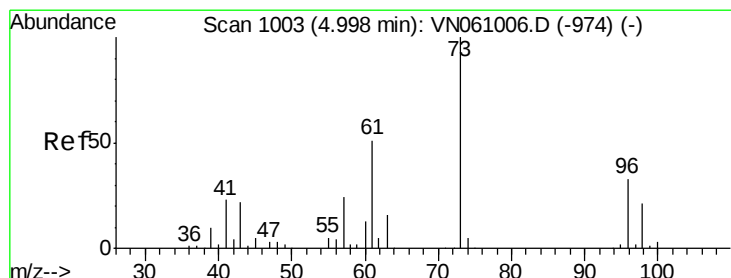
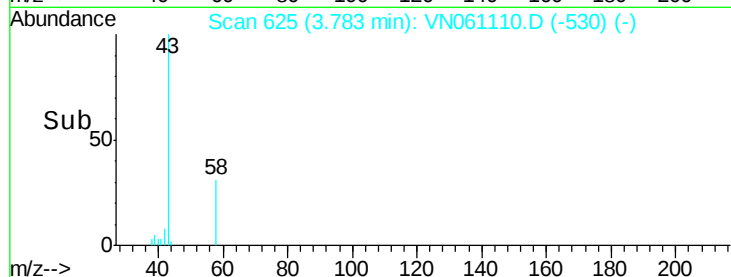
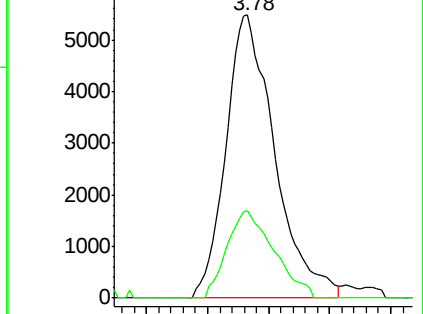
43 100

58 30.8 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061110.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN061110.D (-530) (-)



#19

Methyl tert-butyl Ether

Concen: 71.857 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VN061110.D

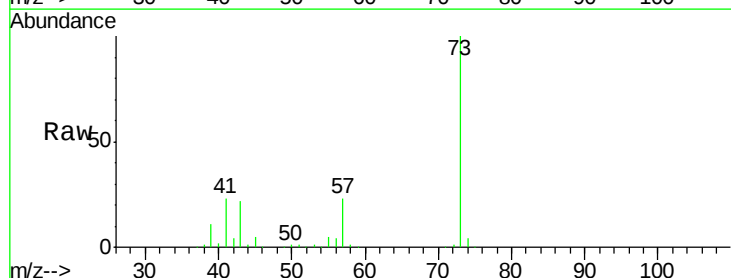
Acq: 20 Apr 2020 18:30

Tgt Ion: 73 Resp: 398759

Ion Ratio Lower Upper

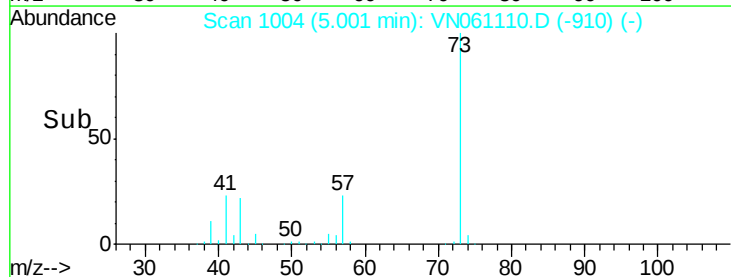
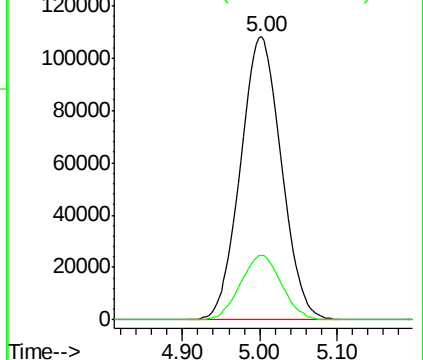
73 100

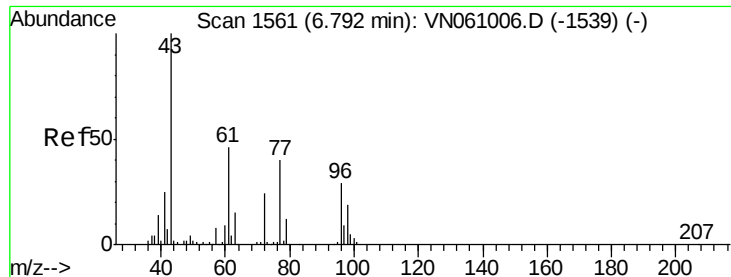
57 22.9 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VN061110.D (-910) (-)

Ion 57.00 (56.70 to 57.70): VN061110.D (-910) (-)





#25

2-Butanone

Concen: 14.632 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN061110.D

Acq: 20 Apr 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

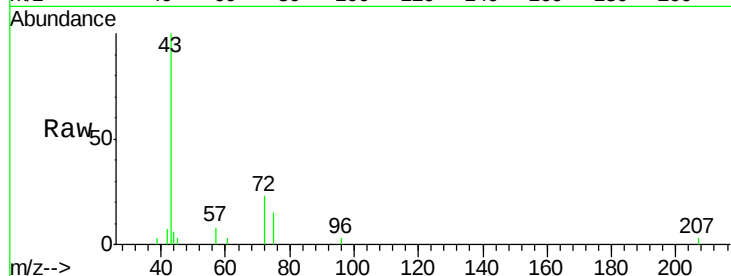
WB-TWP-1

Tot Ion: 43 Resp: 18363

Ion Ratio Lower Upper

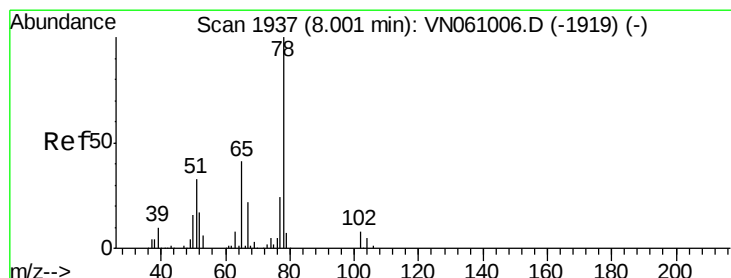
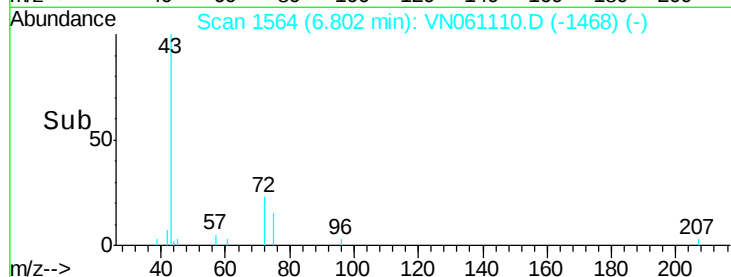
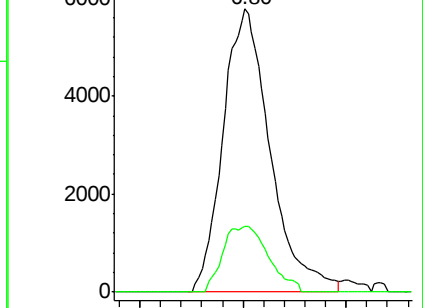
43 100

72 23.3 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.817 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN061110.D

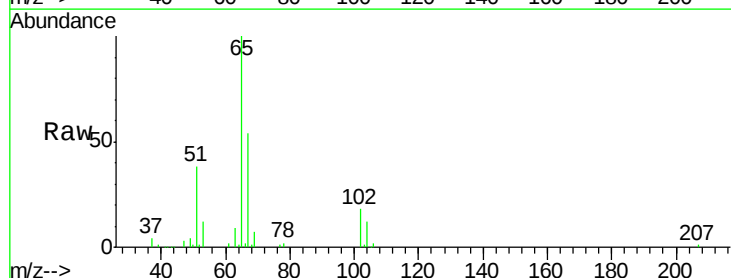
Acq: 20 Apr 2020 18:30

Tgt Ion: 65 Resp: 100139

Ion Ratio Lower Upper

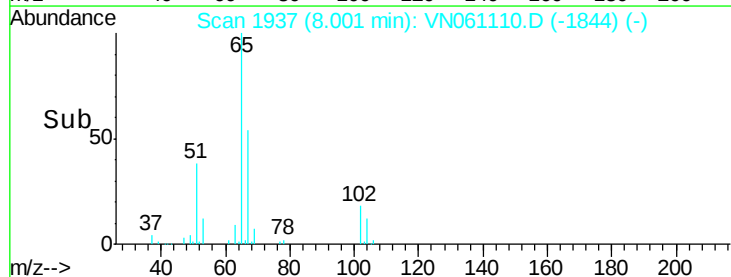
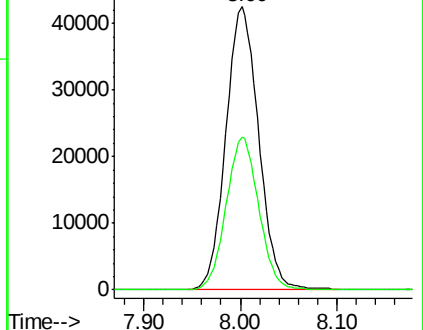
65 100

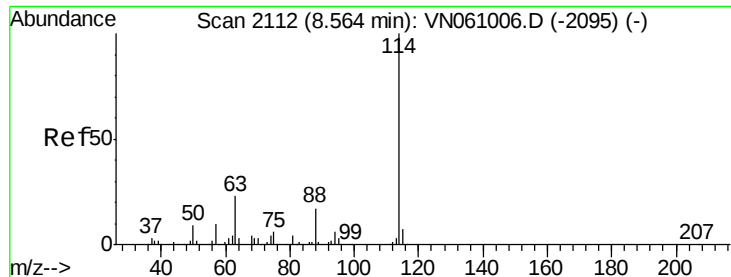
67 53.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

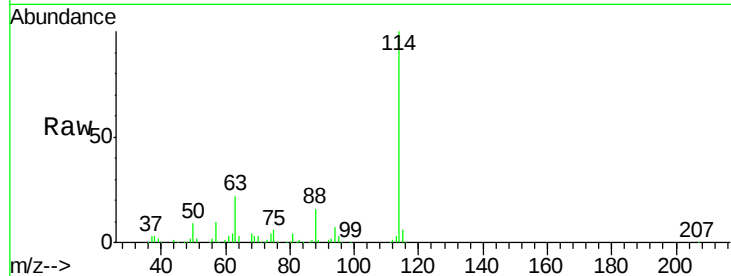




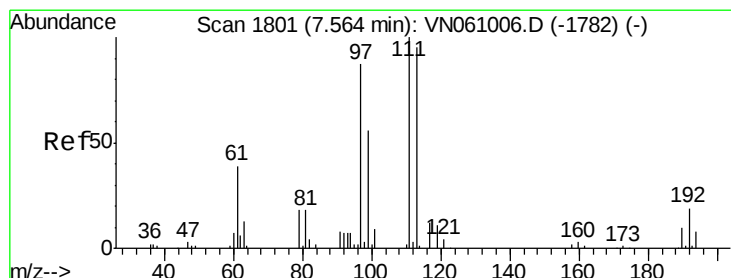
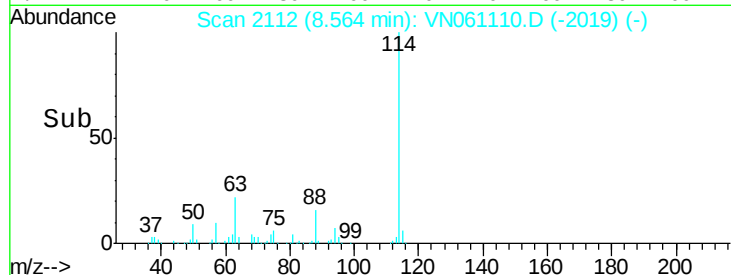
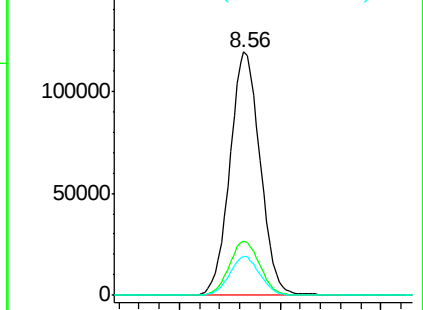
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN061110.D
 Acq: 20 Apr 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 WB-TWP-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	46.2
88	16.1	0.0	33.4

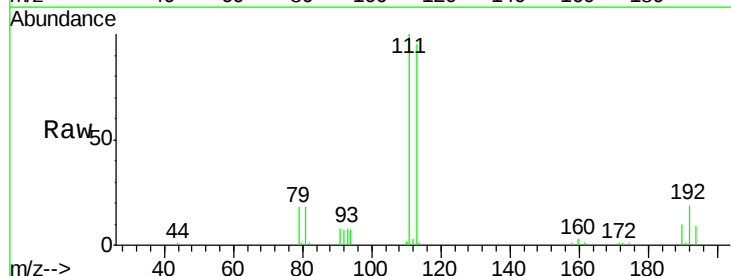


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

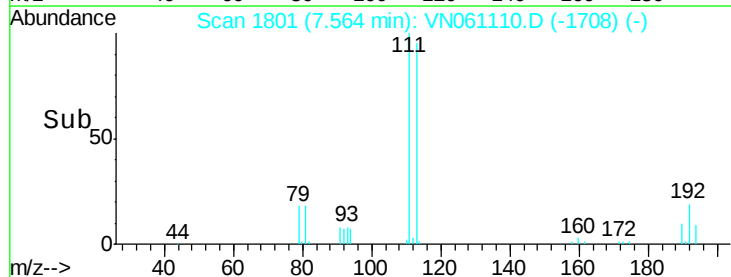
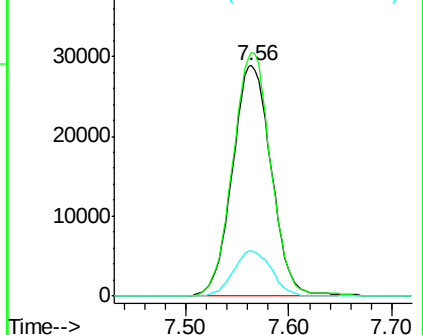


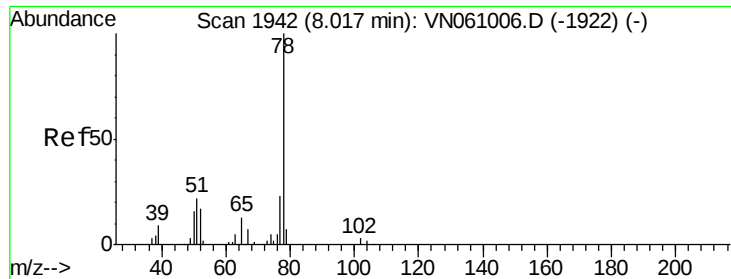
#35
 Dibromofluoromethane
 Concen: 52.108 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN061110.D
 Acq: 20 Apr 2020 18:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.4	125.2
192	19.1	15.5	23.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

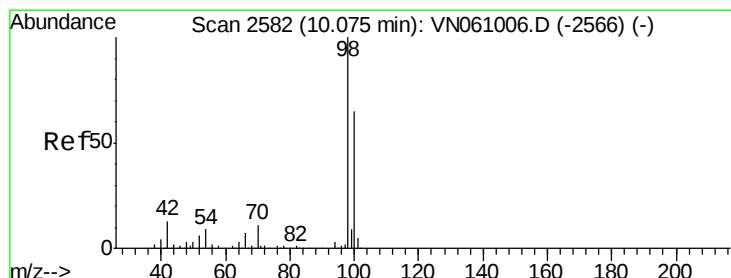
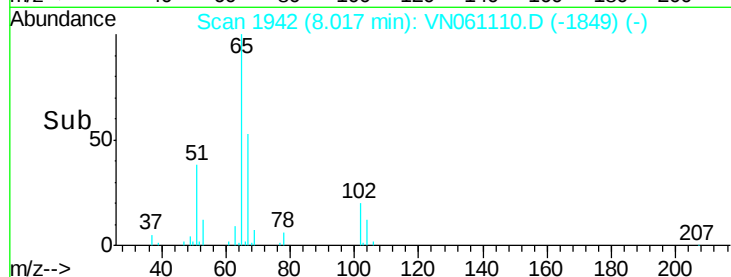
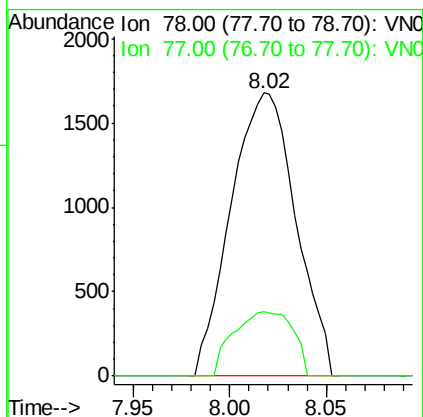
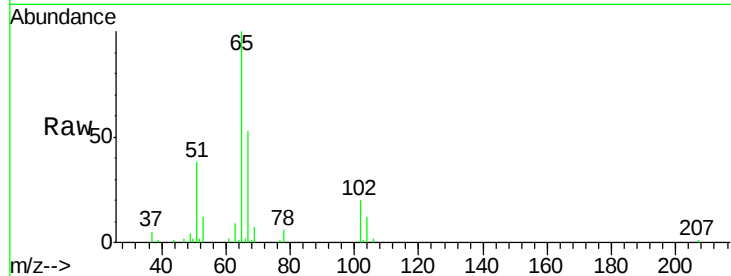




#40
Benzene
Concen: 0.515 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN061110.D
Acq: 20 Apr 2020 18:30

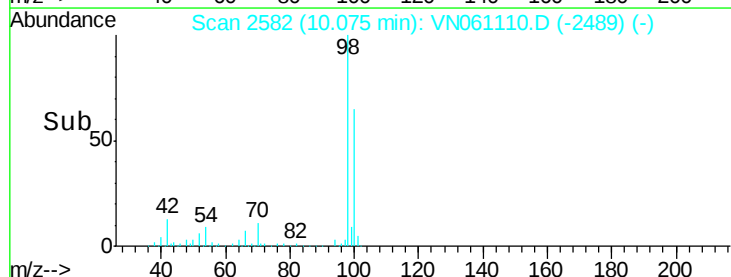
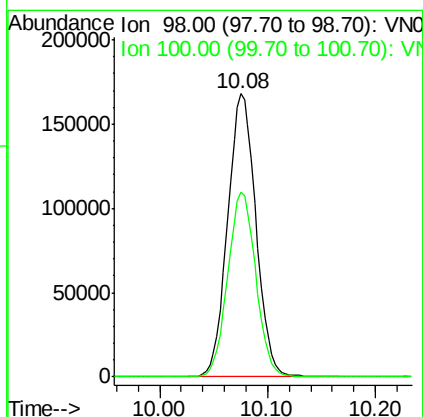
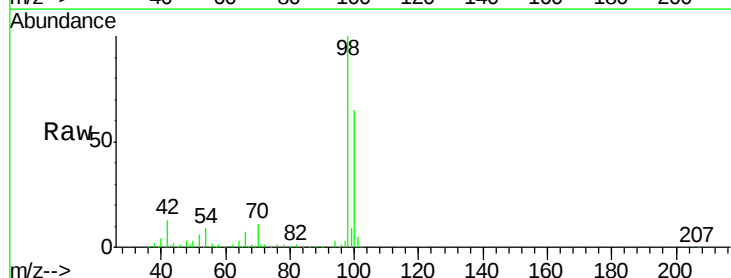
Instrument :
MSVOA_N
ClientSampleId :
WB-TWP-1

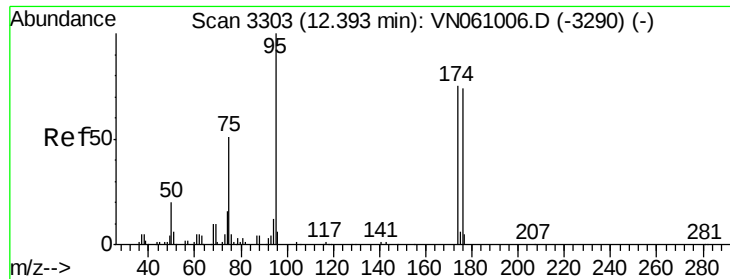
Tot Ion: 78 Resp: 3913
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2



#50
Toluene-d8
Concen: 56.021 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN061110.D
Acq: 20 Apr 2020 18:30

Tgt Ion: 98 Resp: 307071
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9





#62

4-Bromofluorobenzene

Concen: 53.747 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN061110.D

Acq: 20 Apr 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

WB-TWP-1

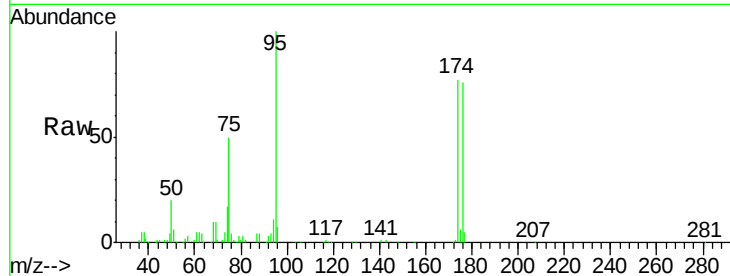
Tot Ion: 95 Resp: 115464

Ion Ratio Lower Upper

95 100

174 76.2 0.0 151.2

176 74.3 0.0 148.2

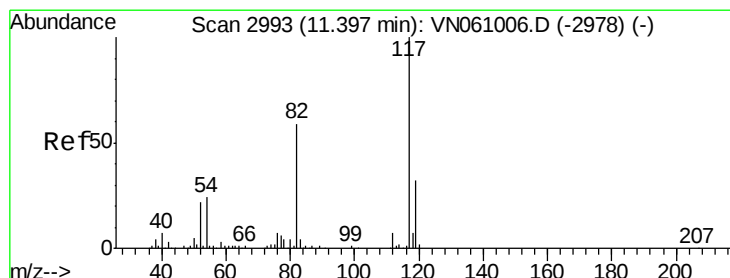
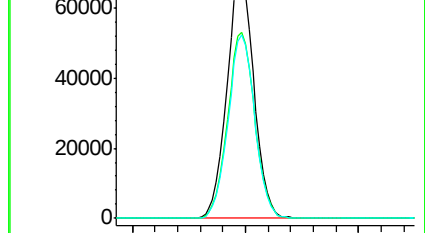
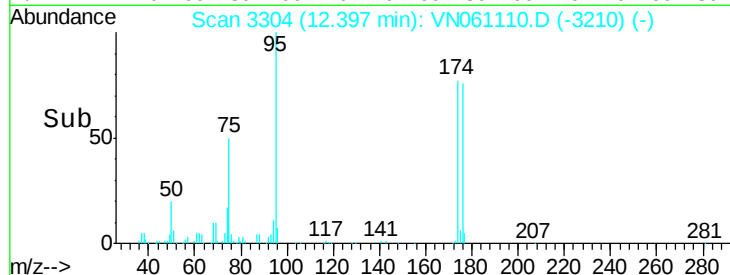


Abundance Ion 94.90 (94.60 to 95.60): VN061110.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN061110.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN061110.D (-3290) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN061110.D

Acq: 20 Apr 2020 18:30

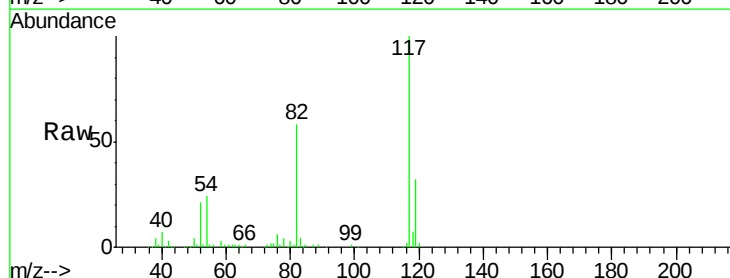
Tgt Ion: 117 Resp: 236714

Ion Ratio Lower Upper

117 100

82 58.2 47.1 70.7

119 32.0 25.7 38.5

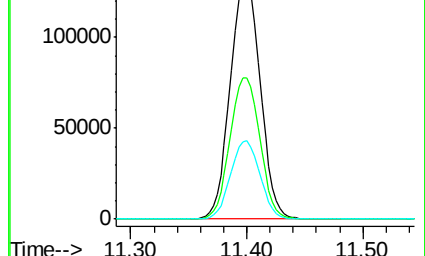
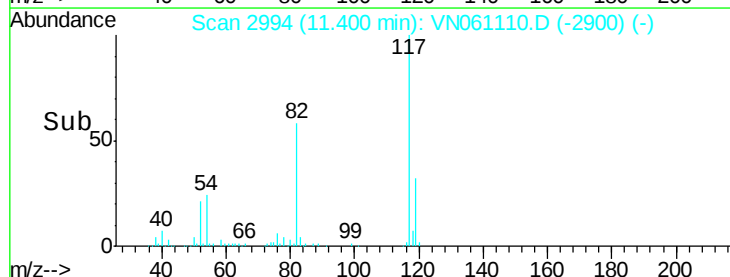


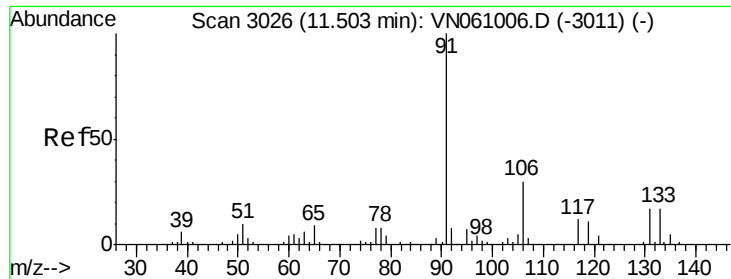
Abundance Ion 116.90 (116.60 to 117.60): VN061110.D (-2900) (-)

Ion 82.00 (81.70 to 82.70): VN061110.D (-2900) (-)

Ion 118.90 (118.60 to 119.60): VN061110.D (-2900) (-)

Time--> 11.30 11.40 11.50

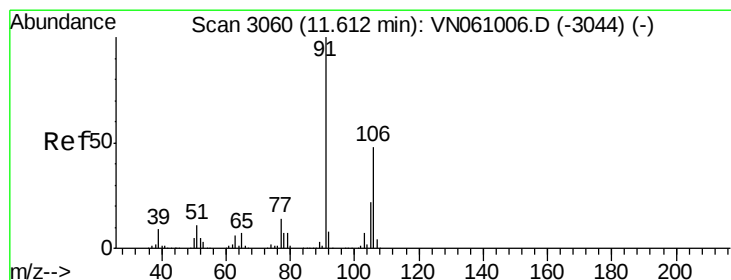
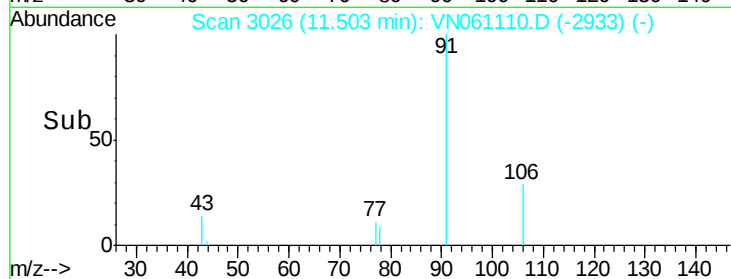
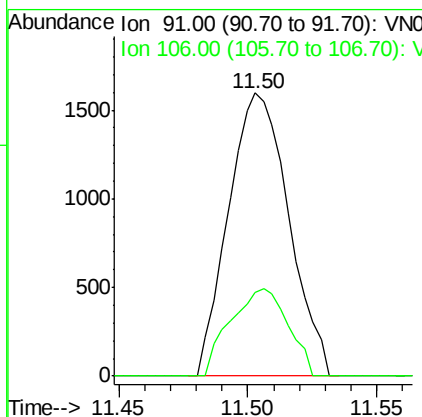
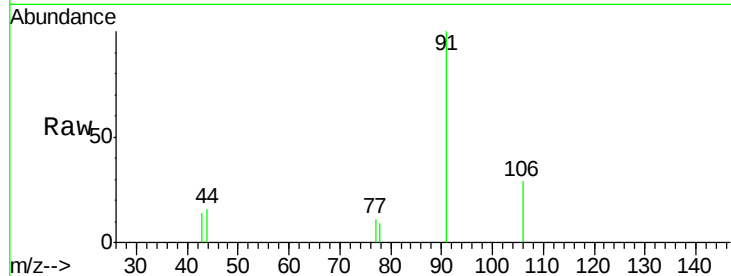




#67
Ethyl Benzene
Concen: 0.282 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN061110.D
Acq: 20 Apr 2020 18:30

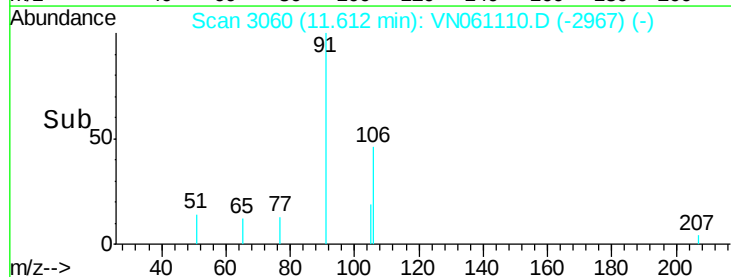
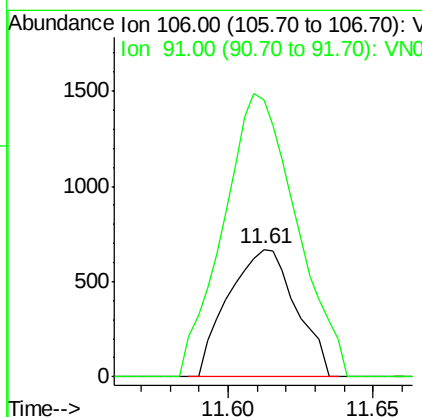
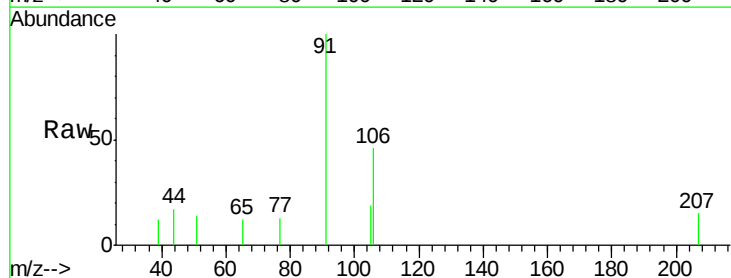
Instrument :
MSVOA_N
ClientSampled :
WB-TWP-1

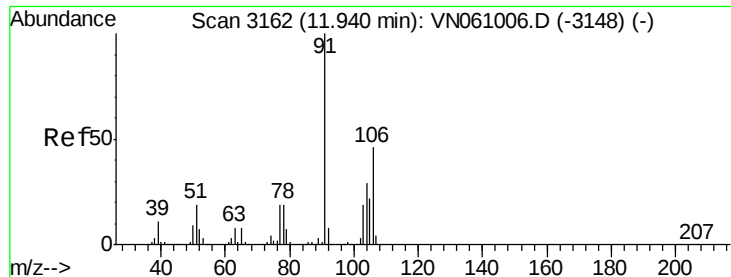
Tot Ion: 91 Resp: 2593
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8



#68
m/p-Xylenes
Concen: 0.327 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN061110.D
Acq: 20 Apr 2020 18:30

Tgt Ion: 106 Resp: 1085
Ion Ratio Lower Upper
106 100
91 239.5 167.9 251.9

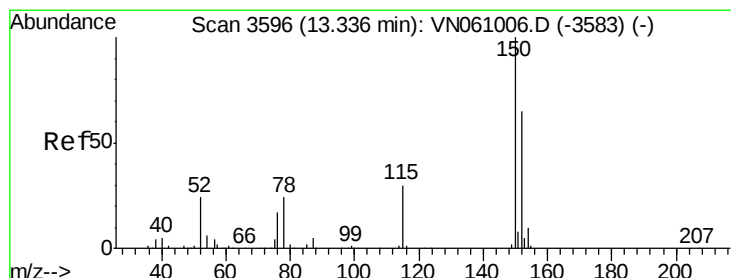
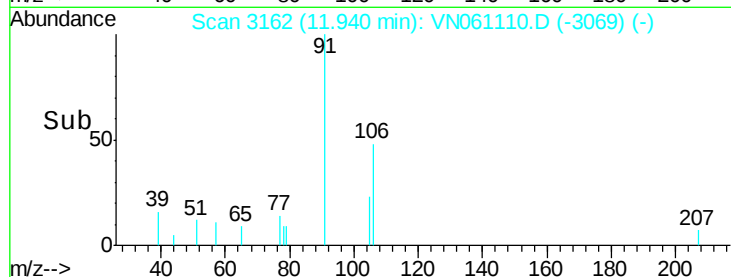
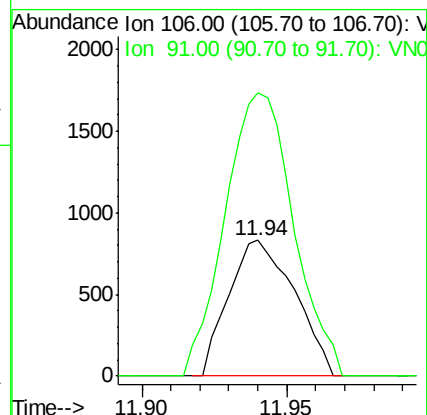
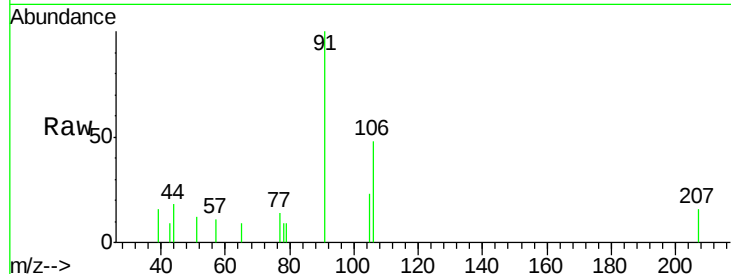




#69
o-Xylene
Concen: 0.410 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061110.D
Acq: 20 Apr 2020 18:30

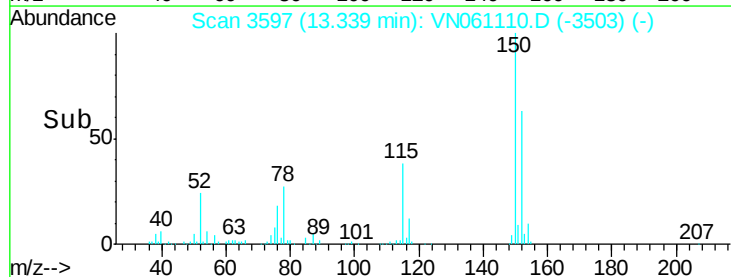
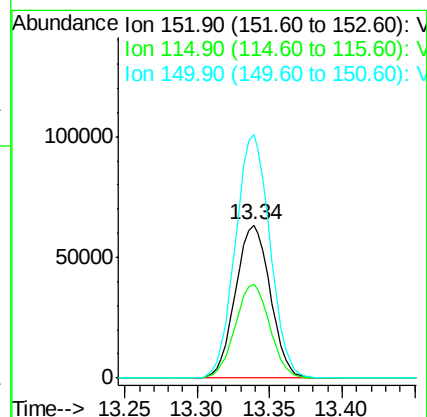
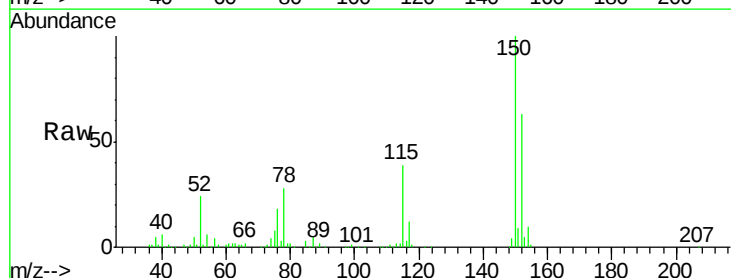
Instrument :
MSVOA_N
ClientSampled :
WB-TWP-1

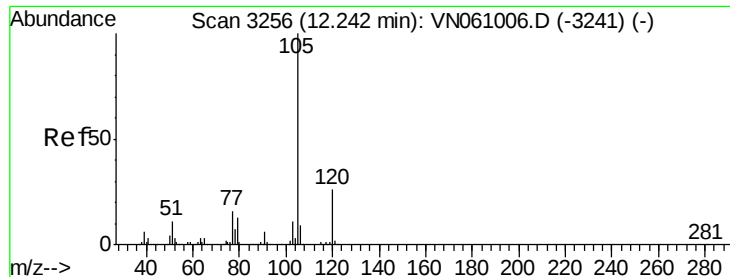
Tot Ion:106 Resp: 1310
Ion Ratio Lower Upper
106 100
91 216.9 110.7 332.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061110.D
Acq: 20 Apr 2020 18:30

Tgt Ion:152 Resp: 105839
Ion Ratio Lower Upper
152 100
115 61.0 30.8 92.4
150 158.3 0.0 349.0





#73

Isopropylbenzene

Concen: 1.027 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN061110.D

Acq: 20 Apr 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

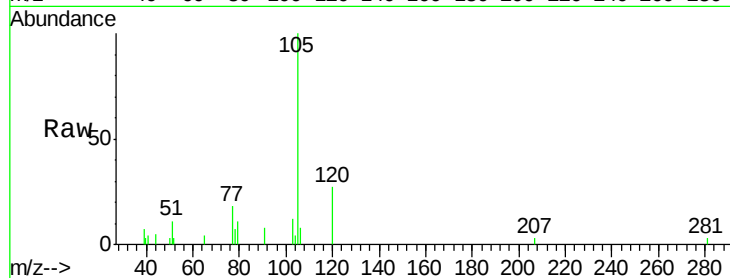
WB-TWP-1

Tot Ion:105 Resp: 8706

Ion Ratio Lower Upper

105 100

120 24.2 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

6000

5000

4000

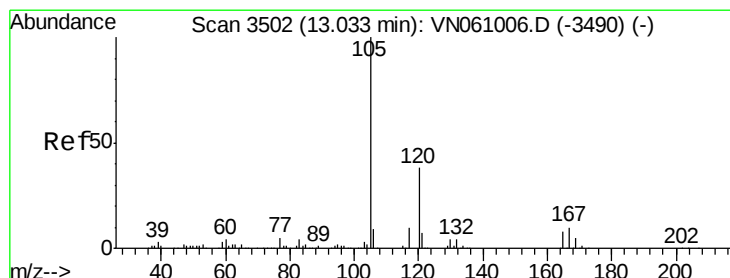
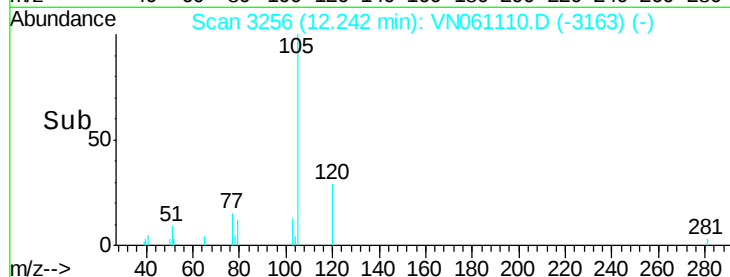
3000

2000

1000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.764 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN061110.D

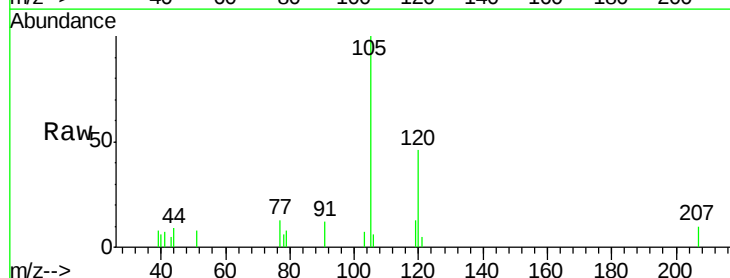
Acq: 20 Apr 2020 18:30

Tgt Ion:105 Resp: 5292

Ion Ratio Lower Upper

105 100

120 45.6 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.03

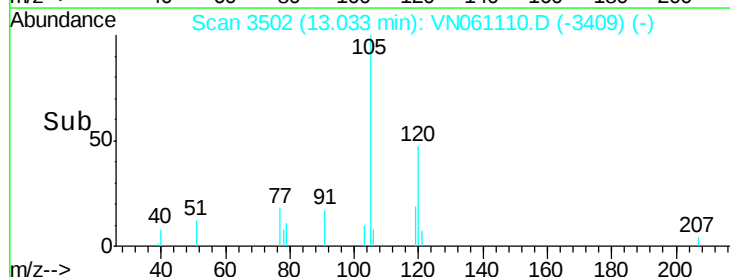
3000

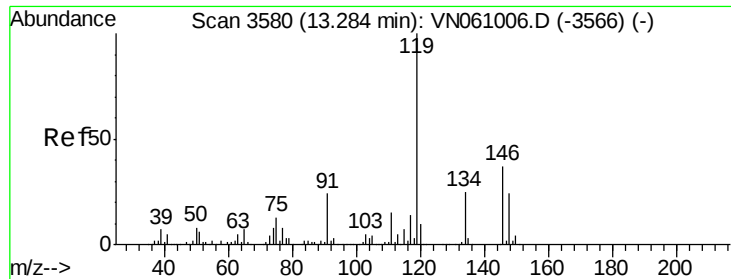
2000

1000

0

Time-->

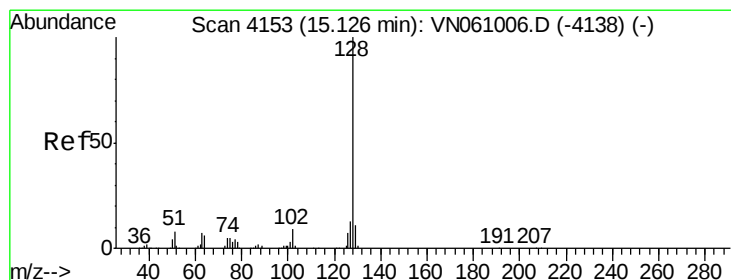
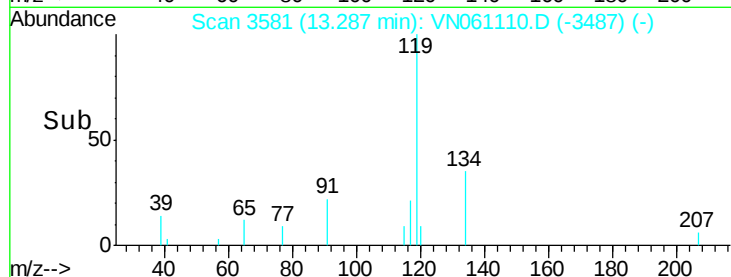
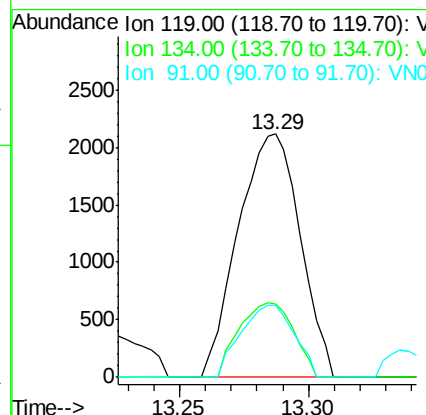
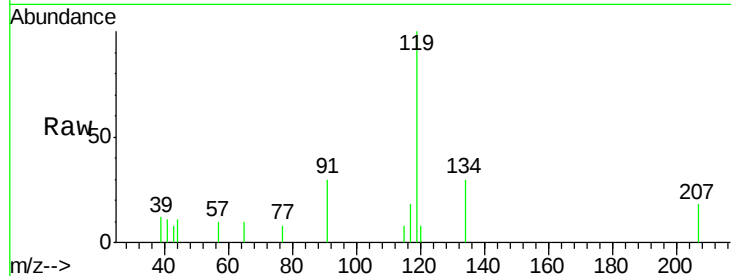




#86
p-Isopropyltoluene
Concen: 0.498 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN061110.D
Acq: 20 Apr 2020 18:30

Instrument :
MSVOA_N
ClientSampled :
WB-TWP-1

Tot Ion:119 Resp: 3542
Ion Ratio Lower Upper
119 100
134 27.0 12.8 38.4
91 25.5 12.3 36.8



#95
Naphthalene
Concen: 17.170 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN061110.D
Acq: 20 Apr 2020 18:30

Tgt Ion:128 Resp: 99803
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.9 8.6 13.0

