

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042220\
 Data File : VN061141.D
 Acq On : 22 Apr 2020 20:40
 Operator : JC/MD
 Sample : L2330-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WB-TWP-1

Quant Time: Apr 23 08:26:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	186043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	307925	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	294703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	147110	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.77	65	116740	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
35) Dibromofluoromethane	7.31	113	87152	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	9.88	98	377410	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.21	95	148936	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	

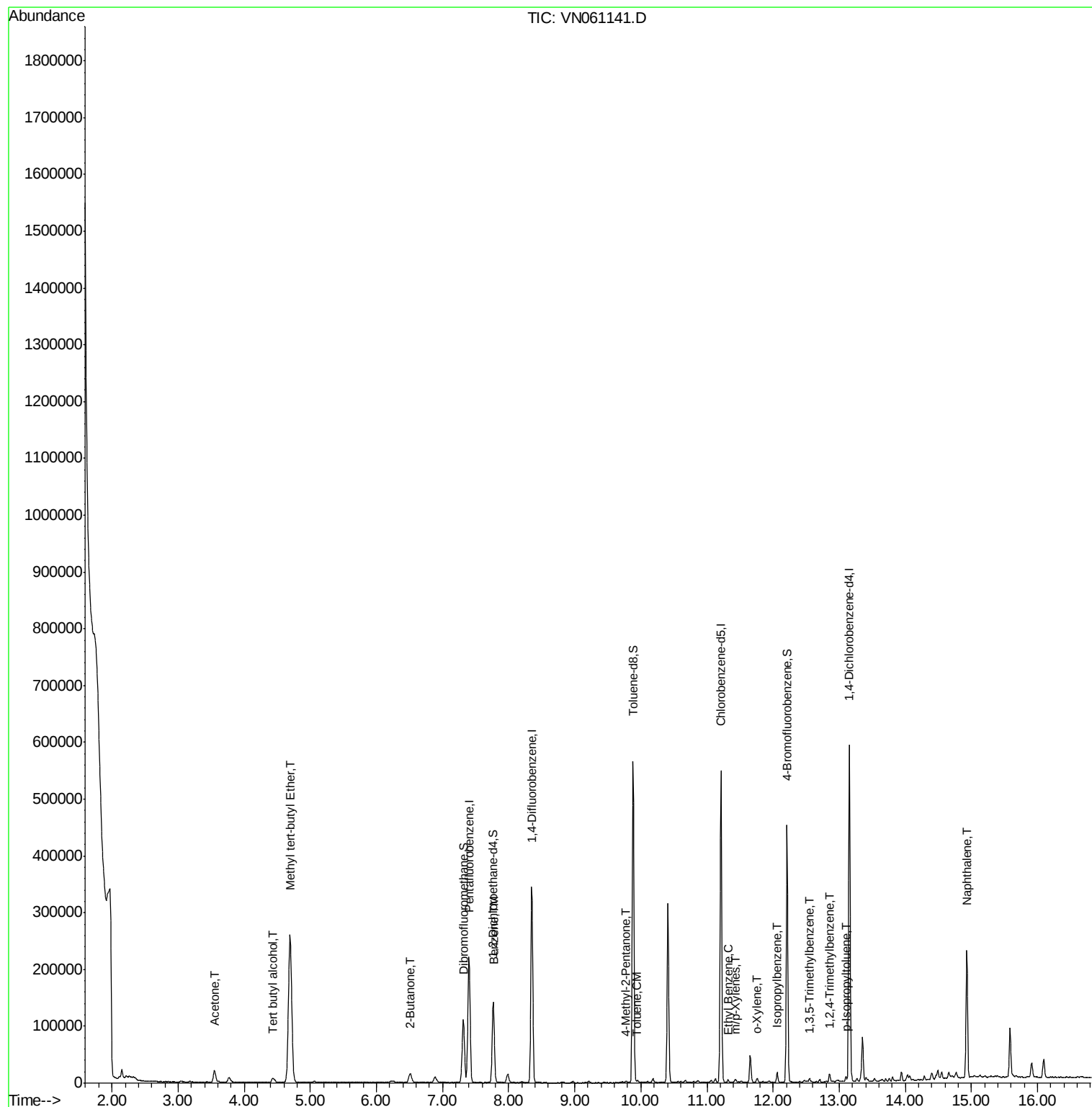
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.44	59	13718	43.156	ug/l #	72
16) Acetone	3.55	43	34387	28.532	ug/l	98
19) Methyl tert-butyl Ether	4.69	73	432416	65.822	ug/l	100
25) 2-Butanone	6.51	43	24238	18.030	ug/l	99
40) Benzene	7.78	78	5286	0.593	ug/l	98
51) 4-Methyl-2-Pentanone	9.78	43	2373	0.794	ug/l	87
52) Toluene	9.95	92	1542	0.276	ug/l	93
67) Ethyl Benzene	11.32	91	4041	0.362	ug/l	94
68) m/p-Xylenes	11.43	106	1956	0.470	ug/l	100
69) o-Xylene	11.76	106	1812	0.450	ug/l	87
73) Isopropylbenzene	12.06	105	11677	1.051	ug/l	99
80) 1,3,5-Trimethylbenzene	12.55	105	2635	0.281	ug/l	93
84) 1,2,4-Trimethylbenzene	12.85	105	8754	0.939	ug/l	94
86) p-Isopropyltoluene	13.10	119	6025	0.624	ug/l	99
95) Naphthalene	14.93	128	175878	19.075	ug/l	100

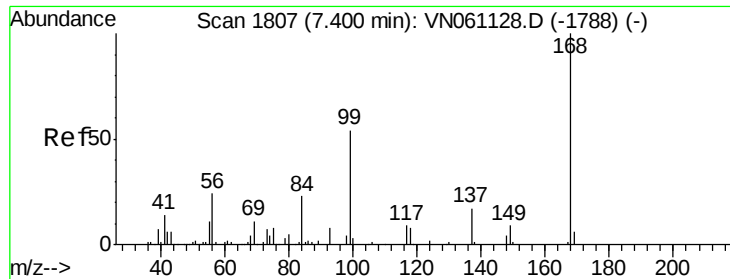
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 22 15:26:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN061141.D

Acq: 22 Apr 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

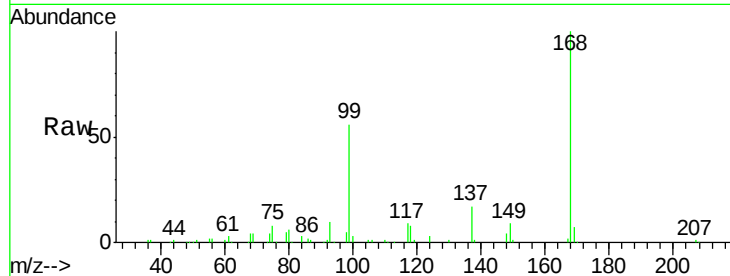
WB-TWP-1

Tot Ion:168 Resp: 186043

Ion Ratio Lower Upper

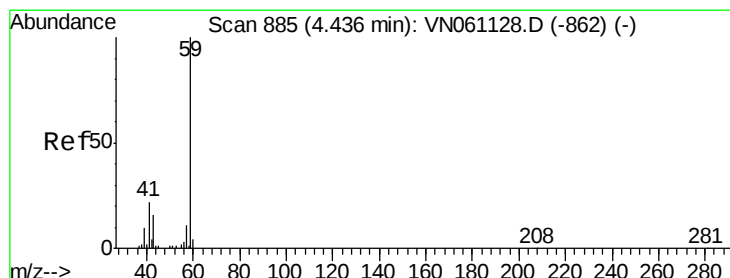
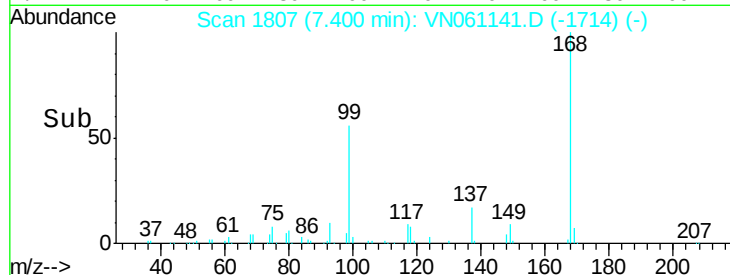
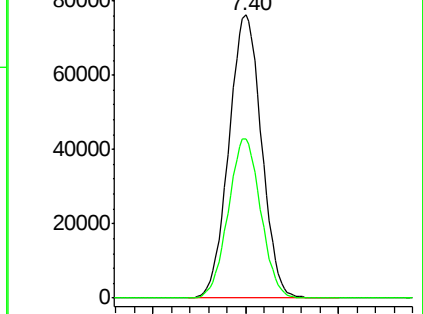
168 100

99 56.3 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#11

Tert butyl alcohol

Concen: 43.156 ug/l

RT: 4.44 min Scan# 886

Delta R.T. 0.00 min

Lab File: VN061141.D

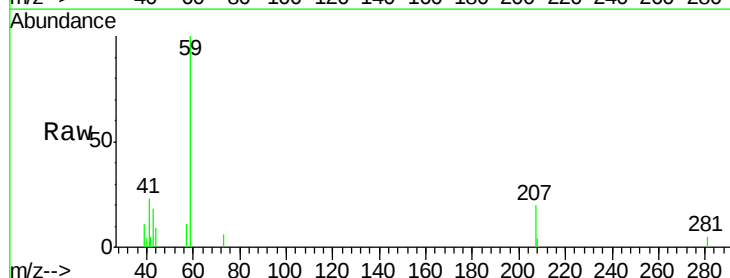
Acq: 22 Apr 2020 20:40

Tgt Ion: 59 Resp: 13718

Ion Ratio Lower Upper

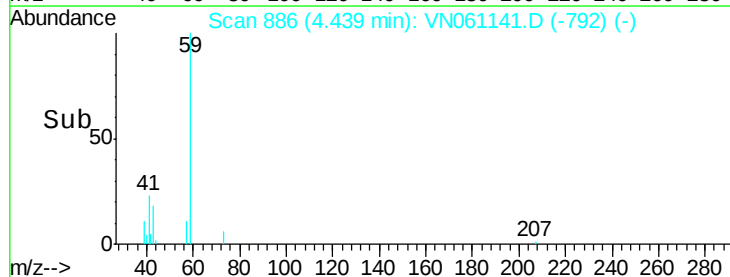
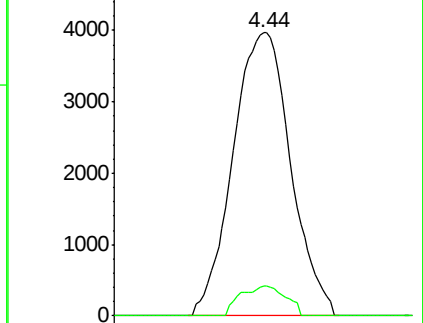
59 100

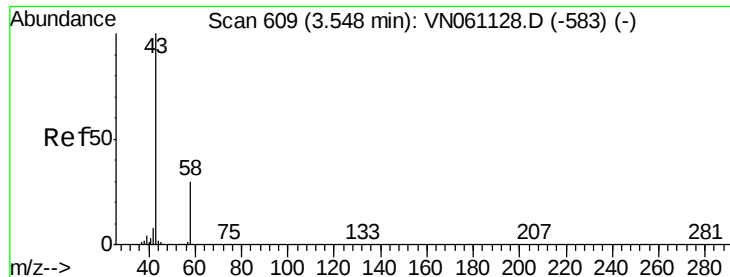
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 28.532 ug/l

RT: 3.55 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN061141.D

Acq: 22 Apr 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

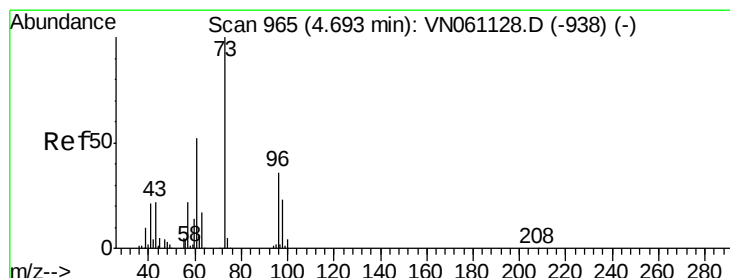
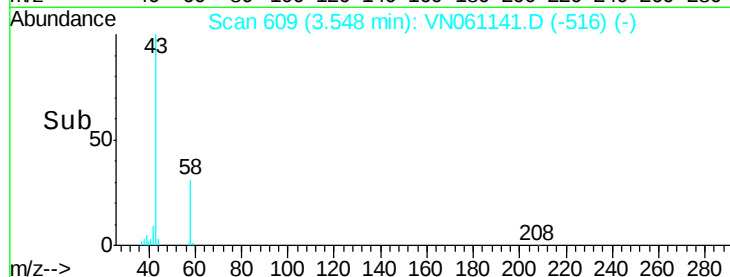
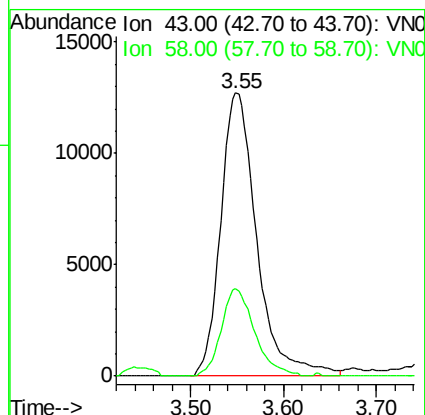
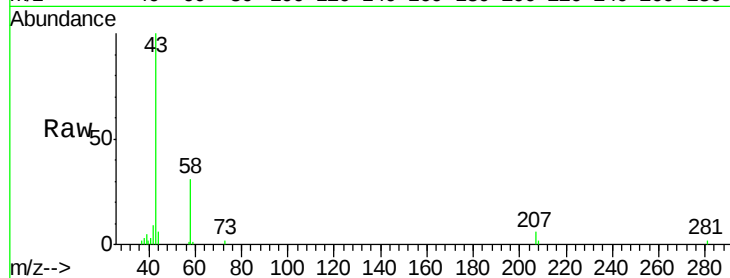
WB-TWP-1

Tot Ion: 43 Resp: 34387

Ion Ratio Lower Upper

43 100

58 30.8 23.6 35.4



#19

Methyl tert-butyl Ether

Concen: 65.822 ug/l

RT: 4.69 min Scan# 965

Delta R.T. -0.00 min

Lab File: VN061141.D

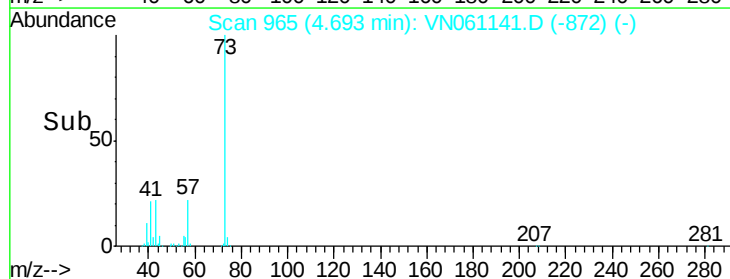
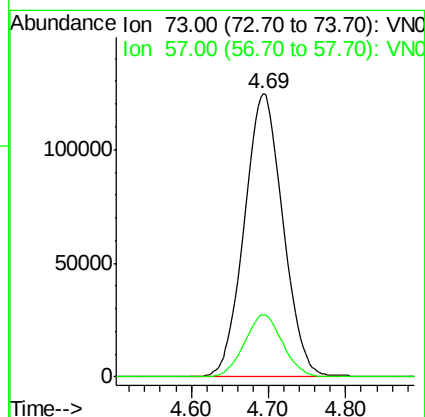
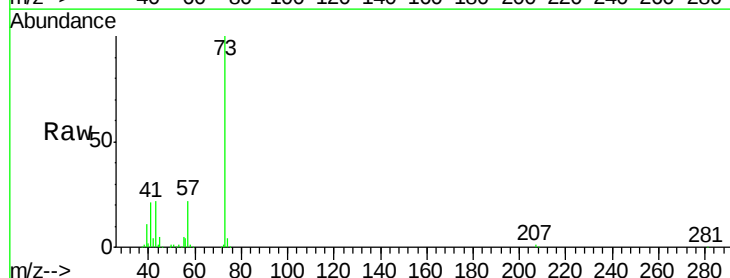
Acq: 22 Apr 2020 20:40

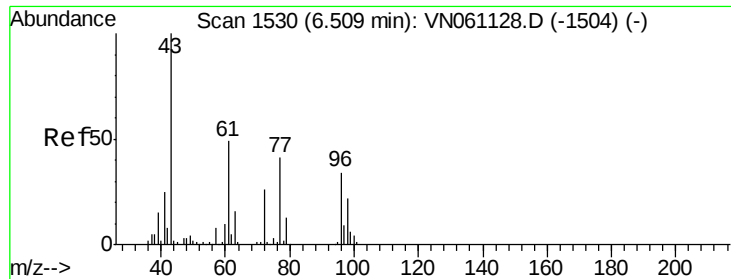
Tgt Ion: 73 Resp: 432416

Ion Ratio Lower Upper

73 100

57 22.1 17.8 26.8

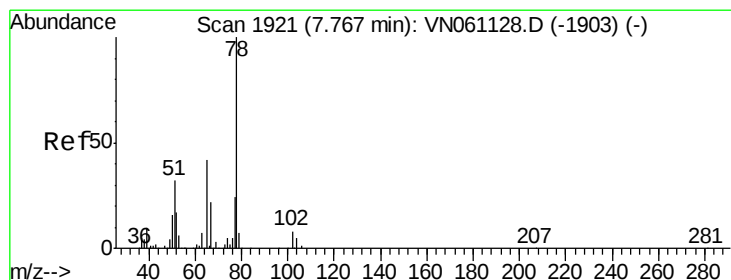
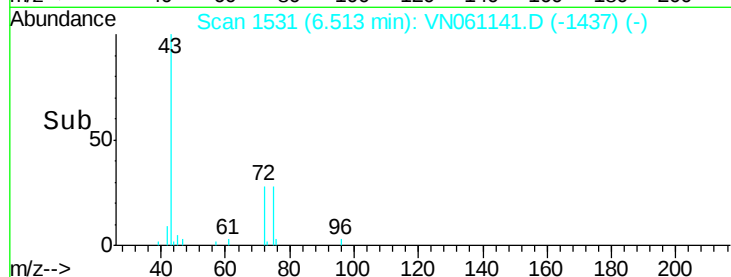
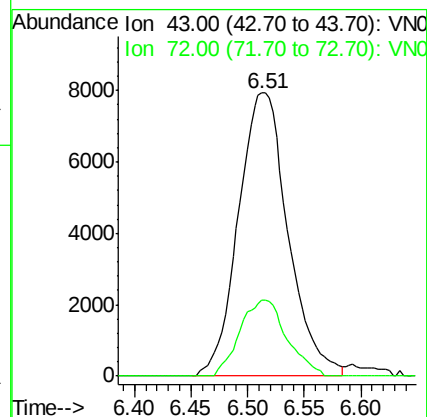
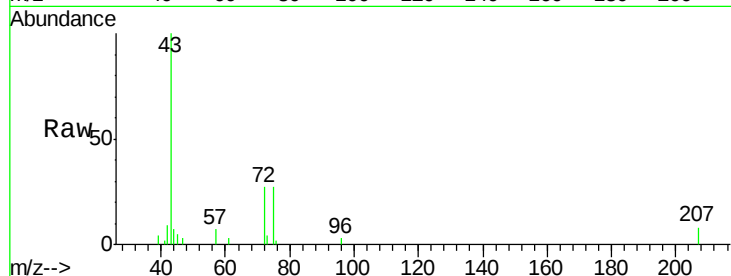




#25
2-Butanone
Concen: 18.030 ug/l
RT: 6.51 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VN061141.D
Acq: 22 Apr 2020 20:40

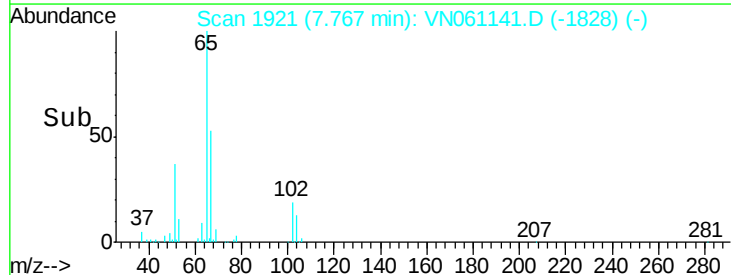
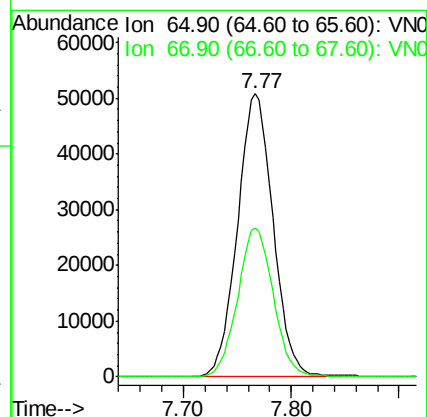
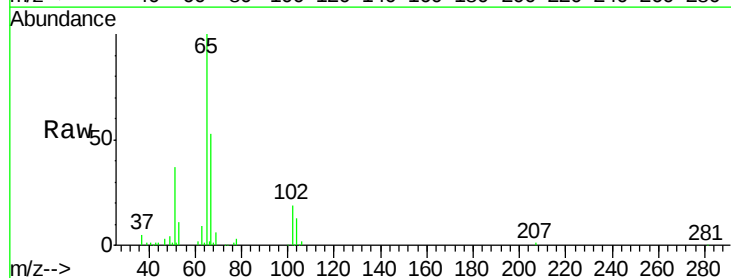
Instrument :
MSVOA_N
ClientSampleId :
WB-TWP-1

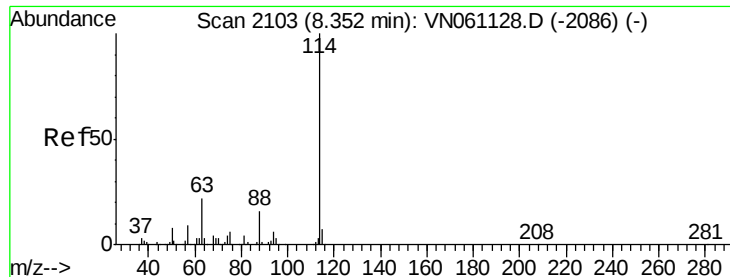
Tot Ion: 43 Resp: 24238
Ion Ratio Lower Upper
43 100
72 26.8 20.8 31.2



#33
1,2-Dichloroethane-d4
Concen: 47.323 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VN061141.D
Acq: 22 Apr 2020 20:40

Tgt Ion: 65 Resp: 116740
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.35 min Scan# 2102

Delta R.T. -0.00 min

Lab File: VN061141.D

Acq: 22 Apr 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

WB-TWP-1

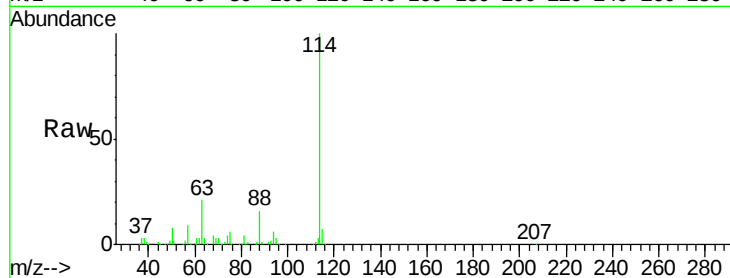
Tot Ion:114 Resp: 307925

Ion Ratio Lower Upper

114 100

63 20.8 0.0 43.2

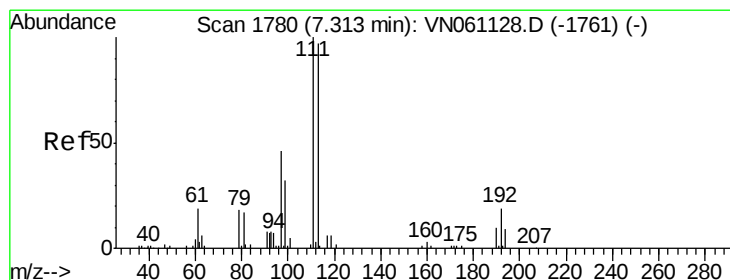
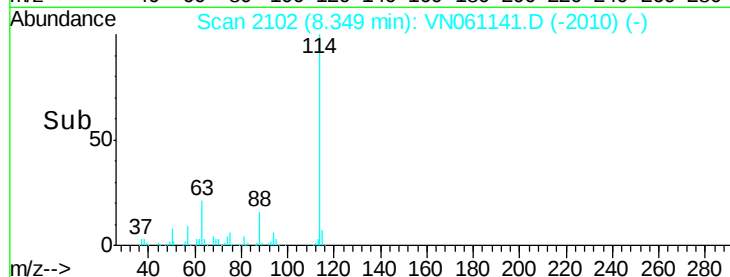
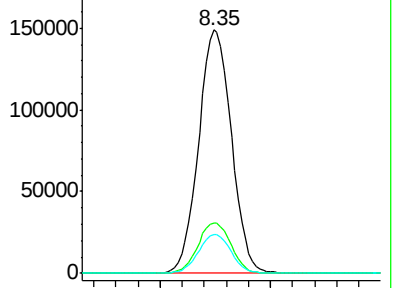
88 16.0 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.594 ug/l

RT: 7.31 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VN061141.D

Acq: 22 Apr 2020 20:40

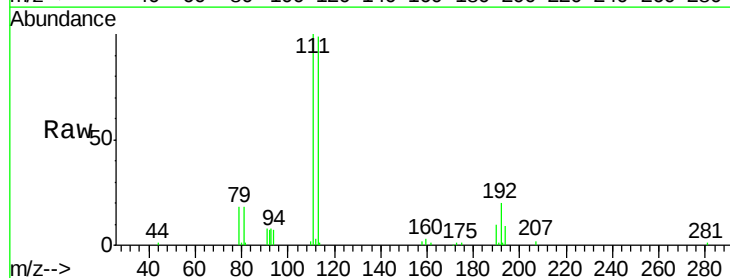
Tgt Ion:113 Resp: 87152

Ion Ratio Lower Upper

113 100

111 101.2 83.0 124.6

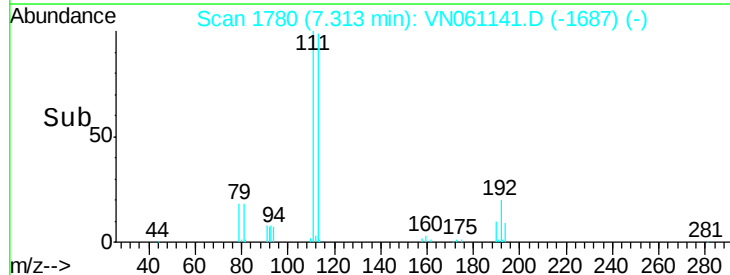
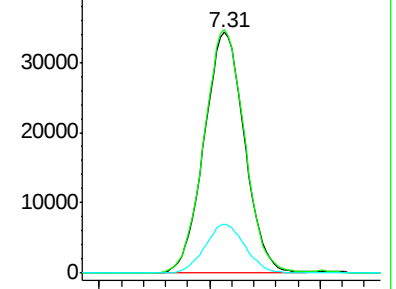
192 20.0 15.8 23.6

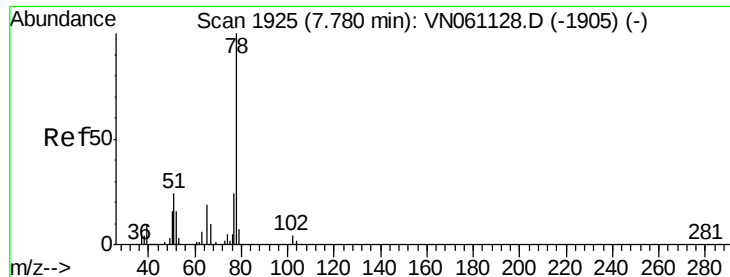


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.593 ug/l

RT: 7.78 min Scan# 1926

Delta R.T. 0.00 min

Lab File: VN061141.D

Acq: 22 Apr 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

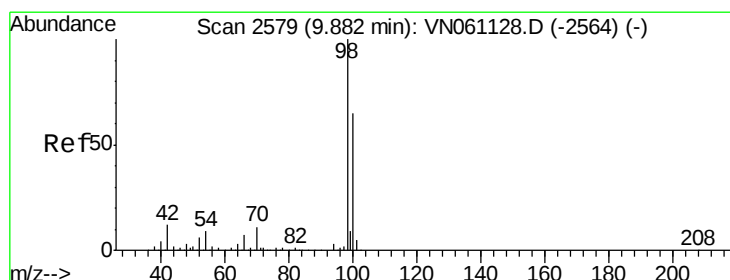
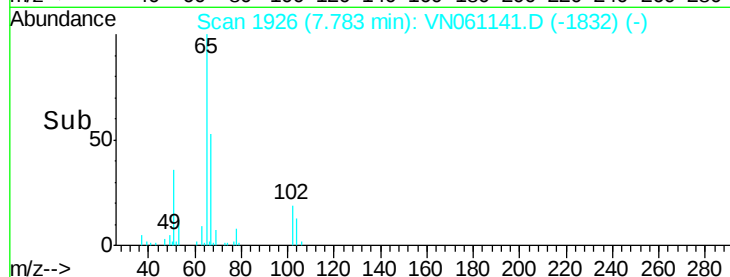
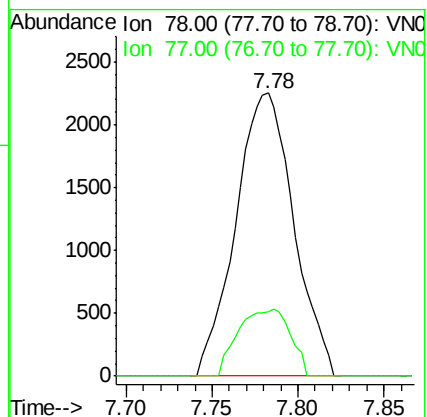
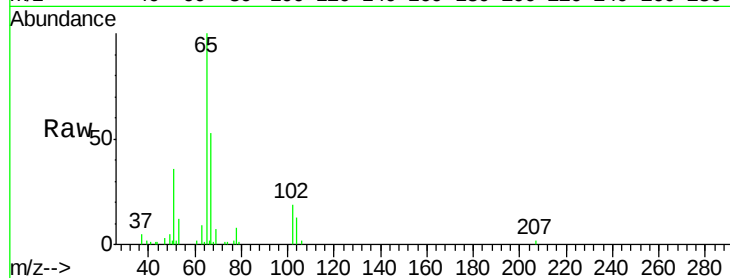
WB-TWP-1

Tot Ion: 78 Resp: 5286

Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.6



#50

Toluene-d8

Concen: 50.119 ug/l

RT: 9.88 min Scan# 2579

Delta R.T. -0.00 min

Lab File: VN061141.D

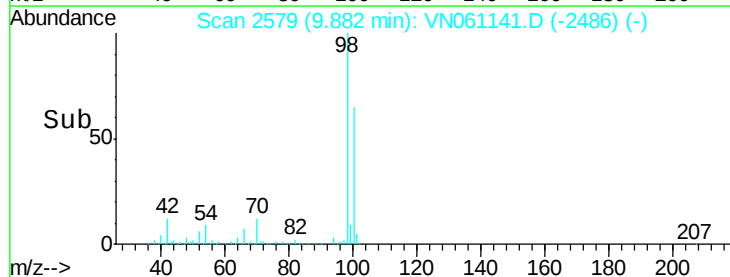
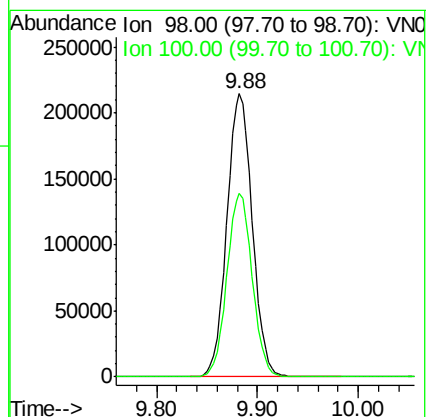
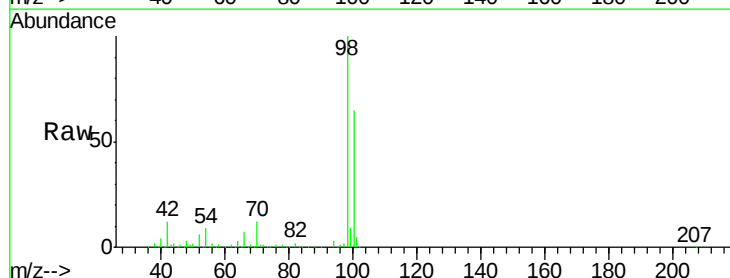
Acq: 22 Apr 2020 20:40

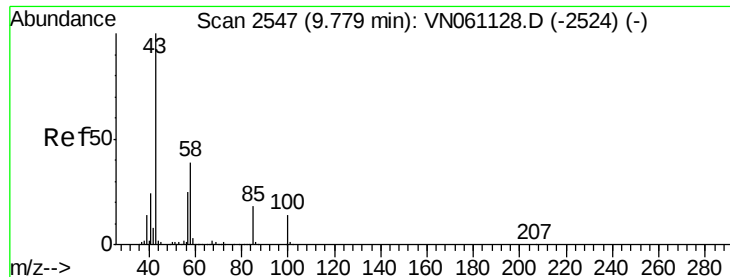
Tgt Ion: 98 Resp: 377410

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6

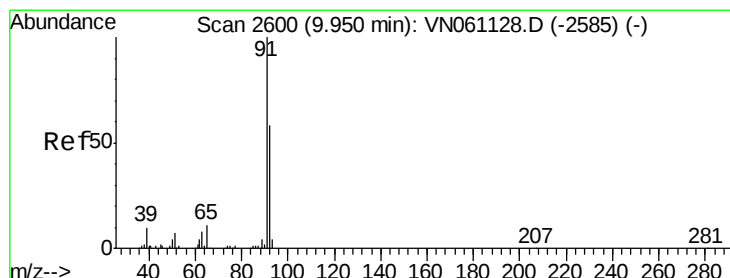
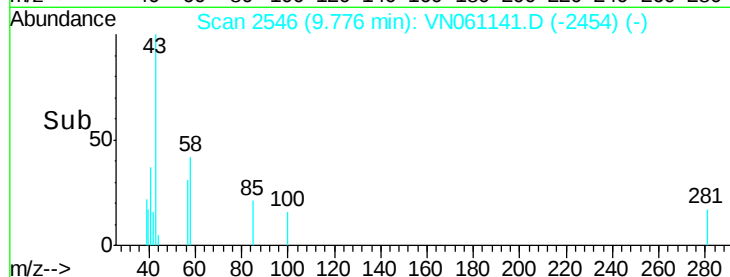
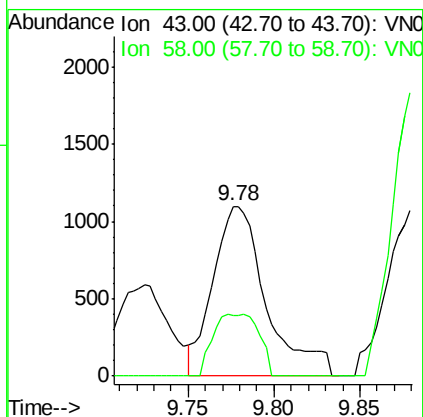
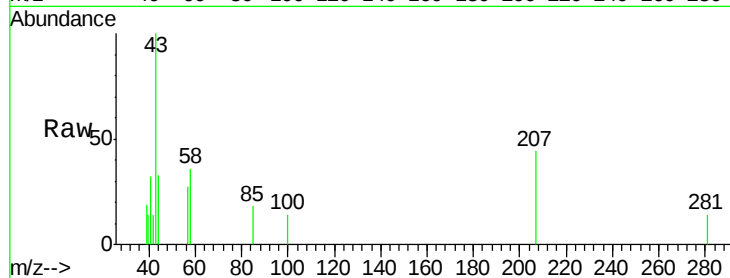




#51
 4-Methyl-2-Pentanone
 Concen: 0.794 ug/l
 RT: 9.78 min Scan# 2546
 Delta R.T. -0.00 min
 Lab File: VN061141.D
 Acq: 22 Apr 2020 20:40

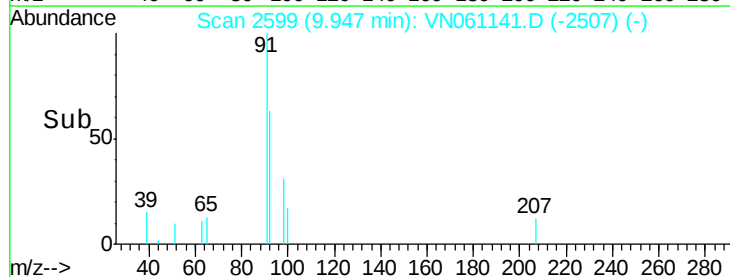
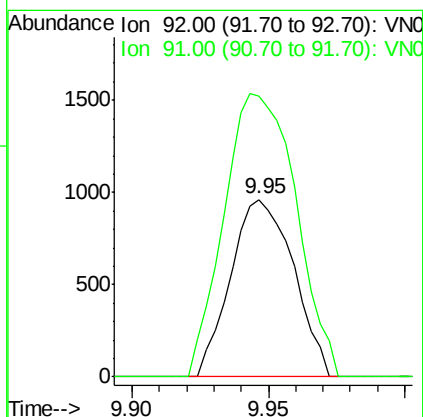
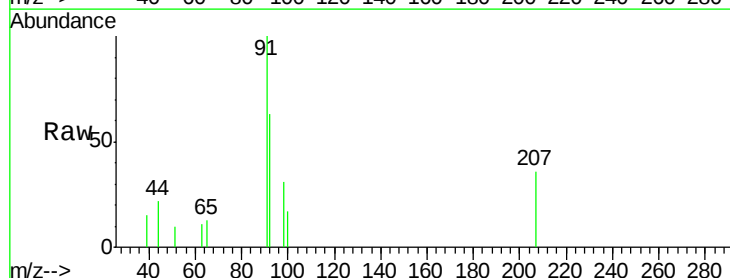
Instrument :
 MSVOA_N
 ClientSampled :
 WB-TWP-1

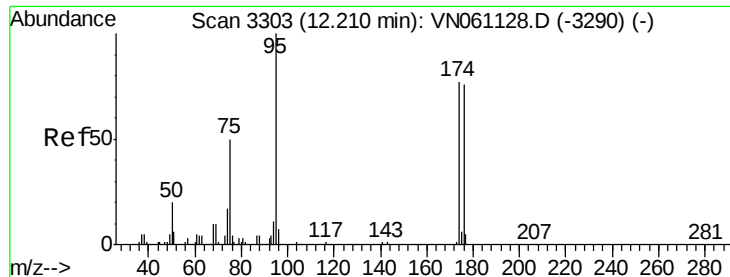
Tot Ion: 43 Resp: 2373
 Ion Ratio Lower Upper
 43 100
 58 31.2 31.0 46.6



#52
 Toluene
 Concen: 0.276 ug/l
 RT: 9.95 min Scan# 2599
 Delta R.T. -0.00 min
 Lab File: VN061141.D
 Acq: 22 Apr 2020 20:40

Tgt Ion: 92 Resp: 1542
 Ion Ratio Lower Upper
 92 100
 91 182.5 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 52.810 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN061141.D

Acq: 22 Apr 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

WB-TWP-1

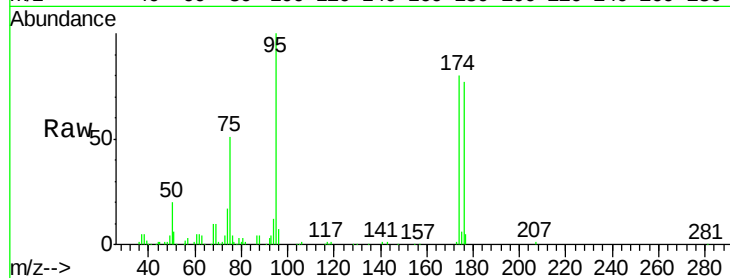
Tot Ion: 95 Resp: 148936

Ion Ratio Lower Upper

95 100

174 80.0 0.0 157.6

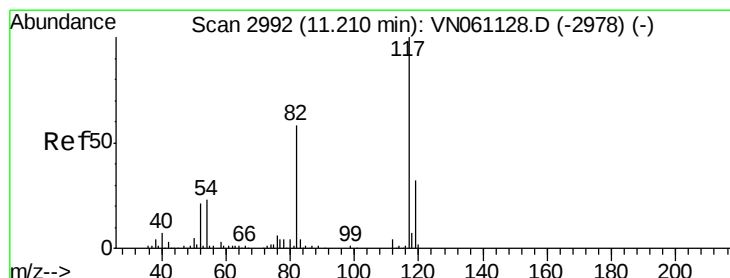
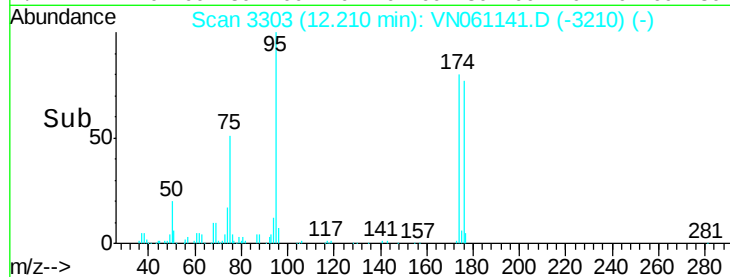
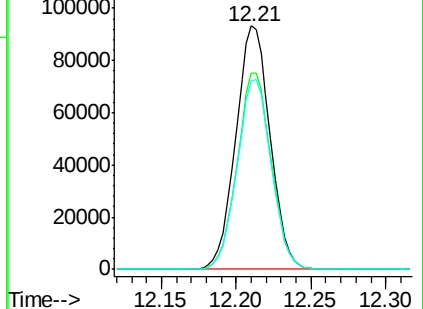
176 77.5 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): VN061141.D (-3210) (-)

Ion 173.80 (173.50 to 174.50): VN061141.D (-3210) (-)

Ion 175.80 (175.50 to 176.50): VN061141.D (-3210) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.21 min Scan# 2992

Delta R.T. -0.00 min

Lab File: VN061141.D

Acq: 22 Apr 2020 20:40

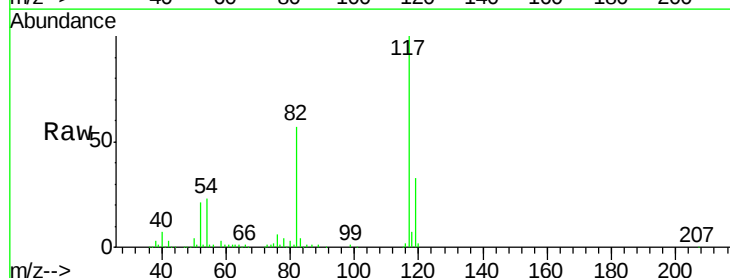
Tgt Ion: 117 Resp: 294703

Ion Ratio Lower Upper

117 100

82 56.7 46.0 69.0

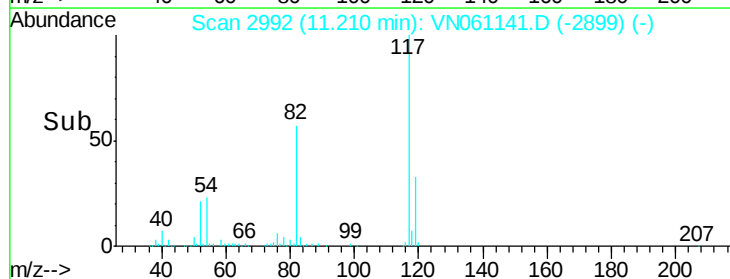
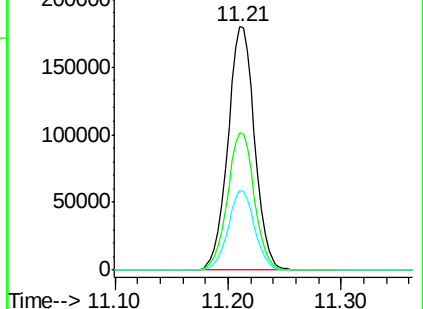
119 32.5 25.9 38.9

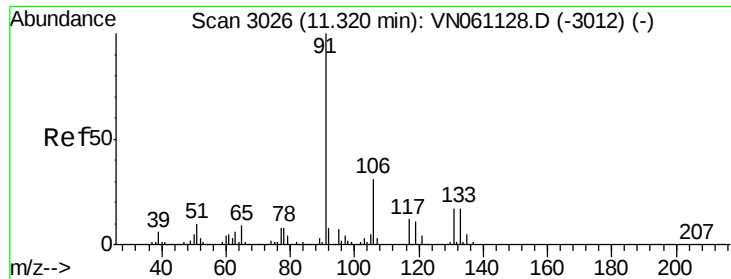


Abundance Ion 116.90 (116.60 to 117.60): VN061141.D (-2899) (-)

Ion 82.00 (81.70 to 82.70): VN061141.D (-2899) (-)

Ion 118.90 (118.60 to 119.60): VN061141.D (-2899) (-)

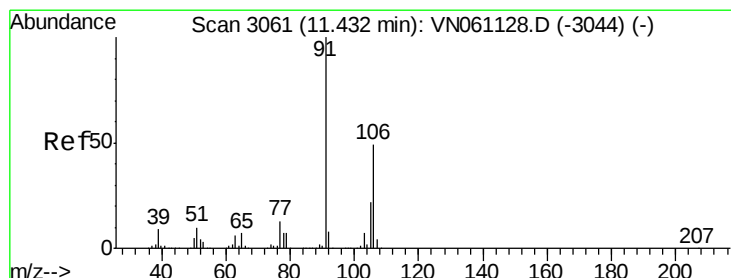
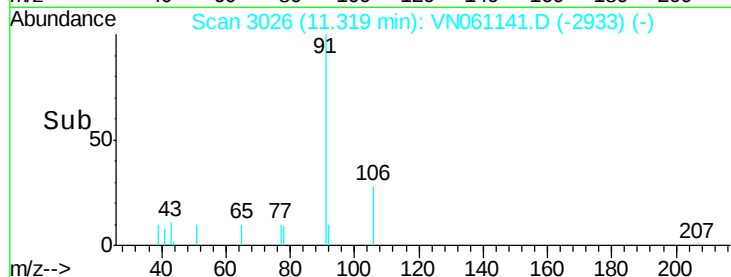
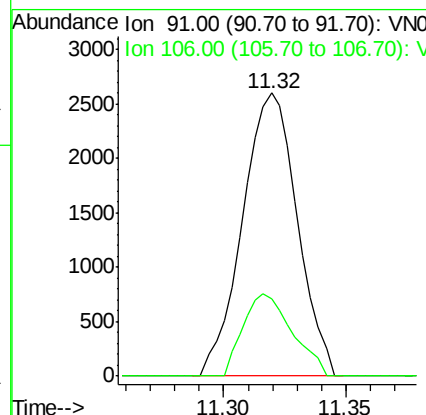
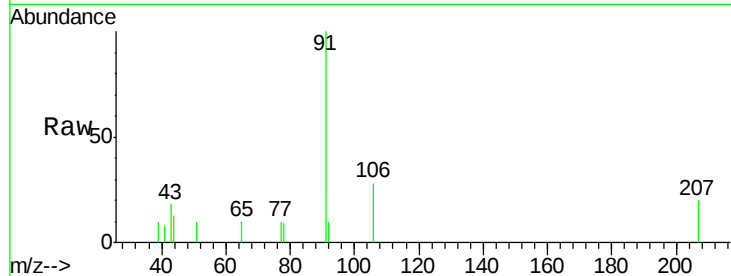




#67
Ethyl Benzene
Concen: 0.362 ug/l
RT: 11.32 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN061141.D
Acq: 22 Apr 2020 20:40

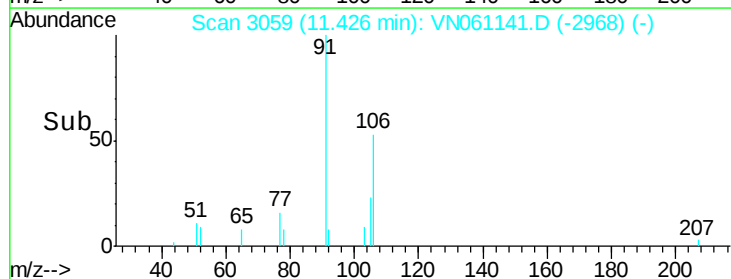
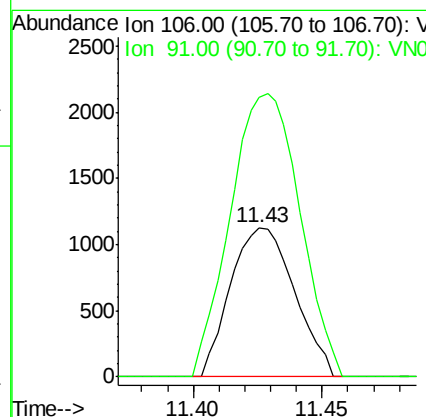
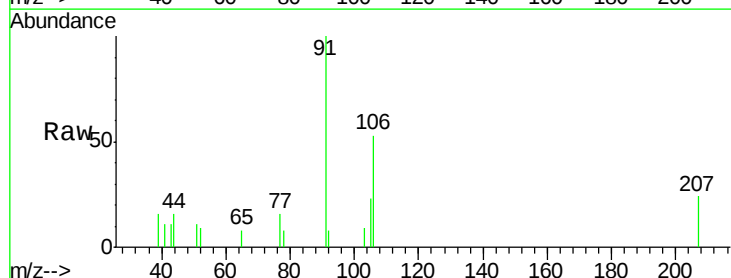
Instrument :
MSVOA_N
ClientSampled :
WB-TWP-1

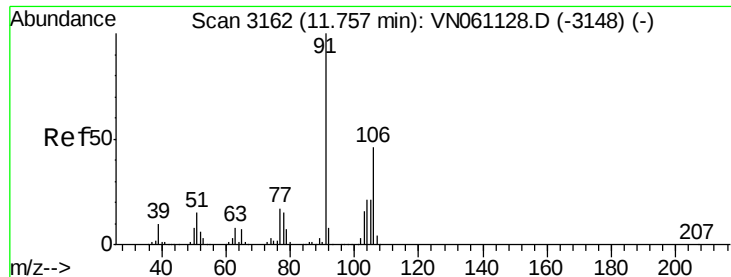
Tot Ion: 91 Resp: 4041
Ion Ratio Lower Upper
91 100
106 27.5 24.7 37.1



#68
m/p-Xylenes
Concen: 0.470 ug/l
RT: 11.43 min Scan# 3059
Delta R.T. -0.01 min
Lab File: VN061141.D
Acq: 22 Apr 2020 20:40

Tgt Ion: 106 Resp: 1956
Ion Ratio Lower Upper
106 100
91 205.6 163.9 245.9

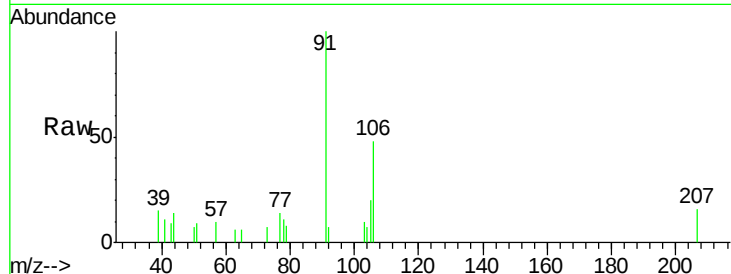




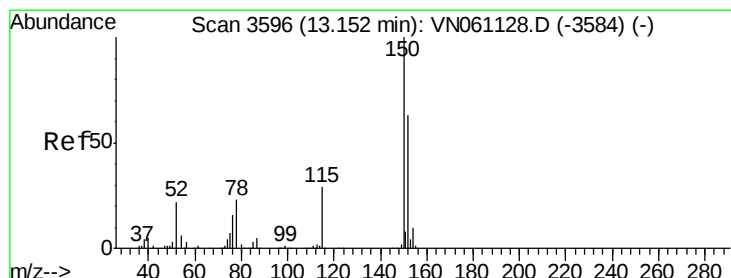
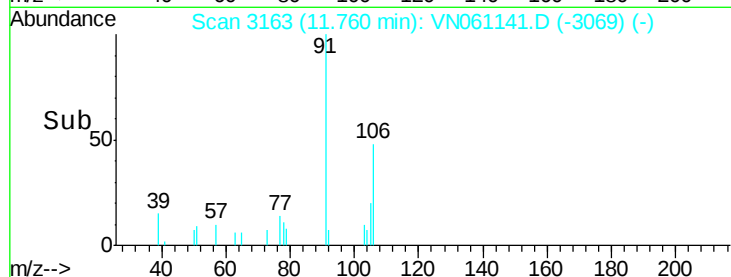
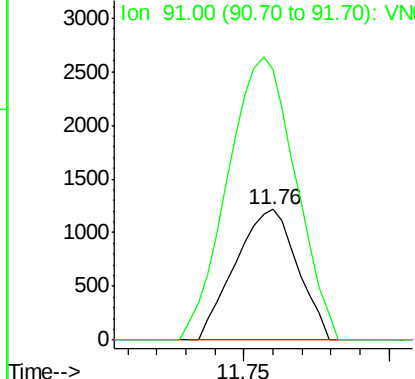
#69
o-Xylene
Concen: 0.450 ug/l
RT: 11.76 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN061141.D
Acq: 22 Apr 2020 20:40

Instrument :
MSVOA_N
ClientSampled :
WB-TWP-1

Tot Ion:106 Resp: 1812
Ion Ratio Lower Upper
106 100
91 236.2 107.6 322.8

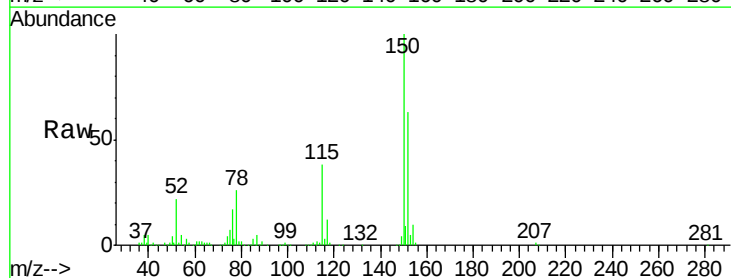


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

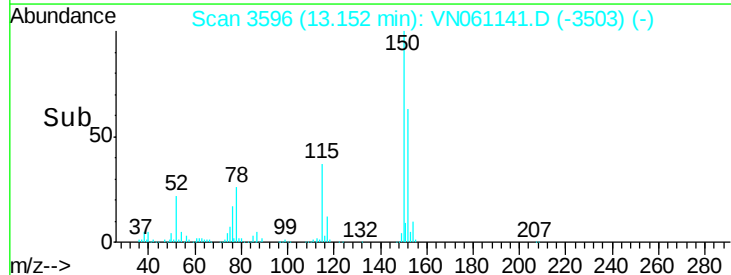
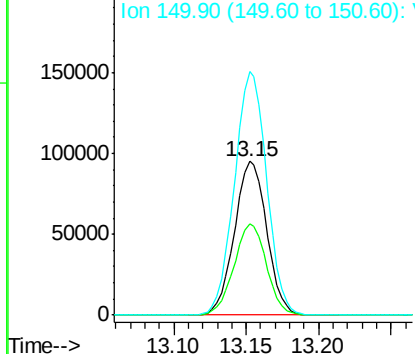


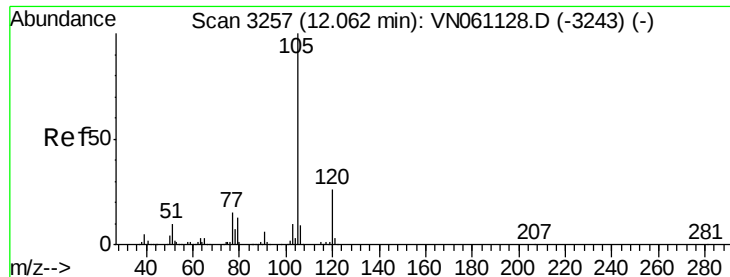
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.15 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VN061141.D
Acq: 22 Apr 2020 20:40

Tgt Ion:152 Resp: 147110
Ion Ratio Lower Upper
152 100
115 59.6 29.8 89.5
150 158.2 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.051 ug/l

RT: 12.06 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN061141.D

Acq: 22 Apr 2020 20:40

Instrument :

MSVOA_N

ClientSampled :

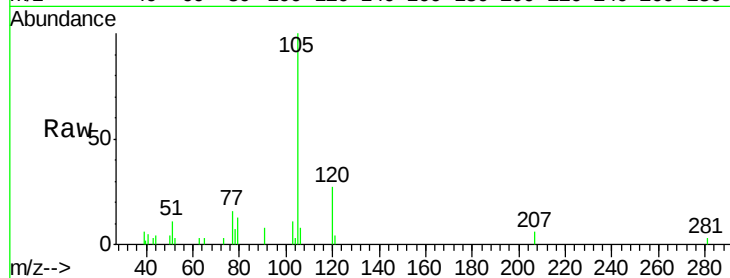
WB-TWP-1

Tot Ion:105 Resp: 11677

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

8000

6000

4000

2000

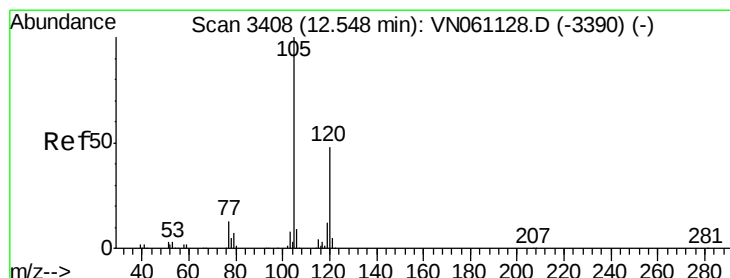
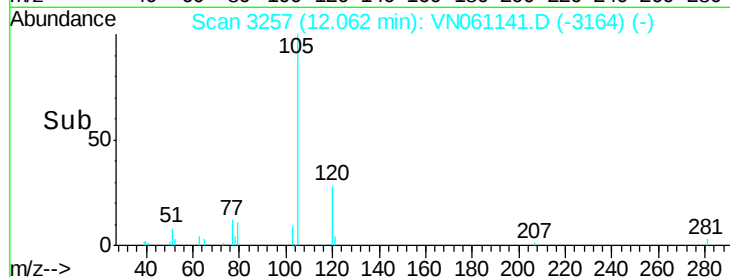
0

12.00

12.05

12.10

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.281 ug/l

RT: 12.55 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN061141.D

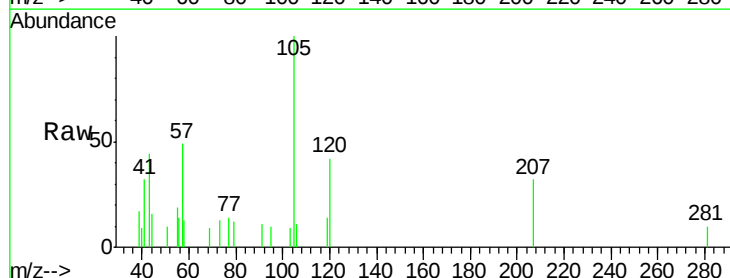
Acq: 22 Apr 2020 20:40

Tgt Ion:105 Resp: 2635

Ion Ratio Lower Upper

105 100

120 43.1 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000

1500

1000

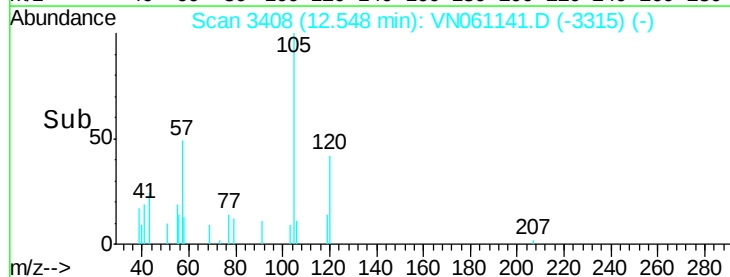
500

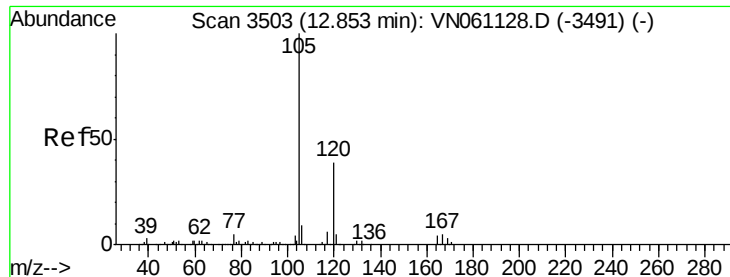
0

12.50

12.55

Time-->

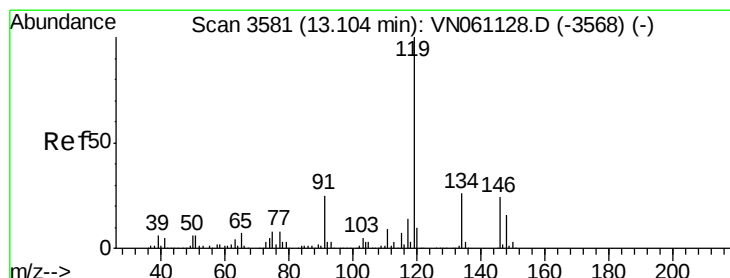
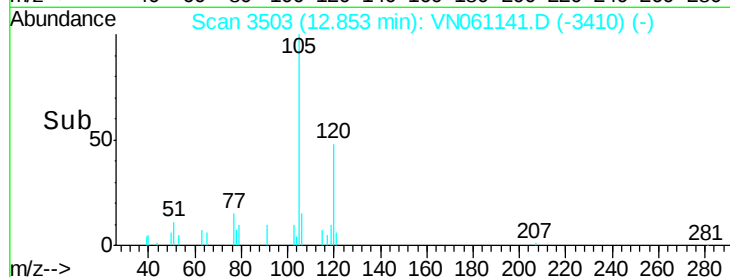
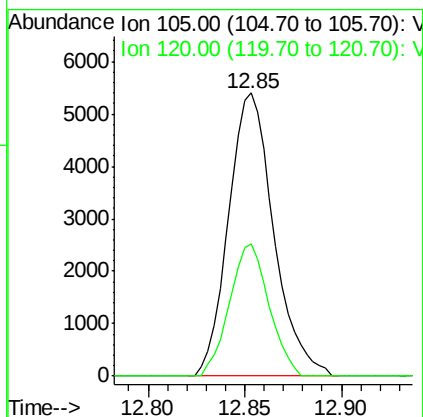
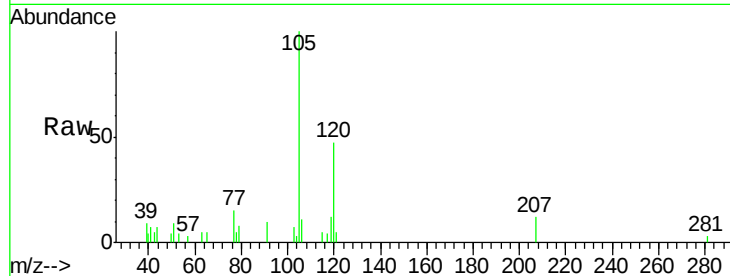




#84
 1,2,4-Trimethylbenzene
 Concen: 0.939 ug/l
 RT: 12.85 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN061141.D
 Acq: 22 Apr 2020 20:40

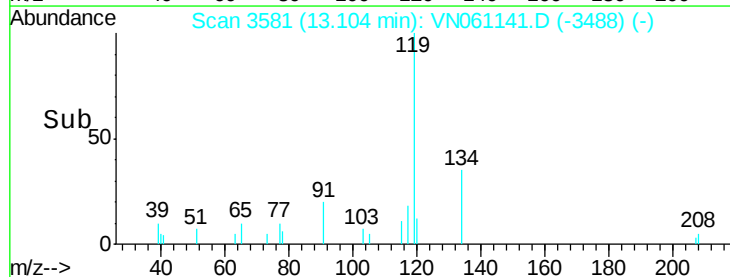
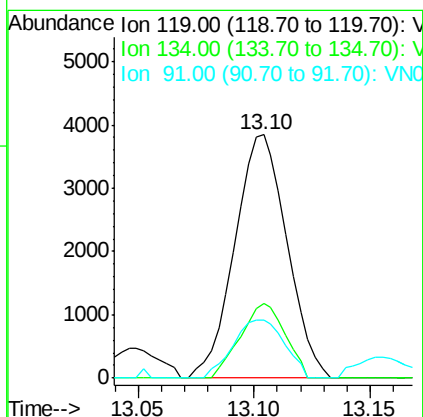
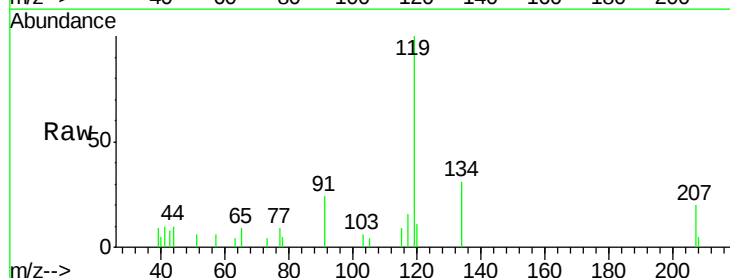
Instrument :
 MSVOA_N
 ClientSampled :
 WB-TWP-1

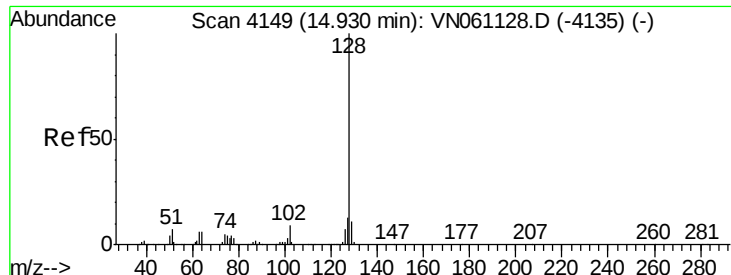
Tot Ion:105 Resp: 8754
 Ion Ratio Lower Upper
 105 100
 120 40.6 22.4 67.0



#86
 p-Isopropyltoluene
 Concen: 0.624 ug/l
 RT: 13.10 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN061141.D
 Acq: 22 Apr 2020 20:40

Tgt Ion:119 Resp: 6025
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.0 39.0
 91 23.5 12.4 37.0





#95

Naphthalene

Concen: 19.075 ug/l

RT: 14.93 min Scan# 4149

Delta R.T. -0.00 min

Lab File: VN061141.D

Acq: 22 Apr 2020 20:40

Instrument :

MSVOA_N

ClientSampleId :

WB-TWP-1

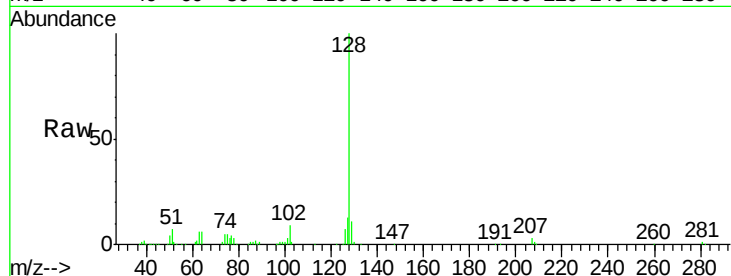
Tot Ion:128 Resp: 175878

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

150000 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

