

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\  
 Data File : VX012563.D  
 Acq On : 20 Sep 2019 17:32  
 Operator : JC/SP  
 Sample : K5003-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TMW-03

Quant Time: Sep 21 03:25:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091719W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 17 15:27:10 2019  
 Response via : Initial Calibration

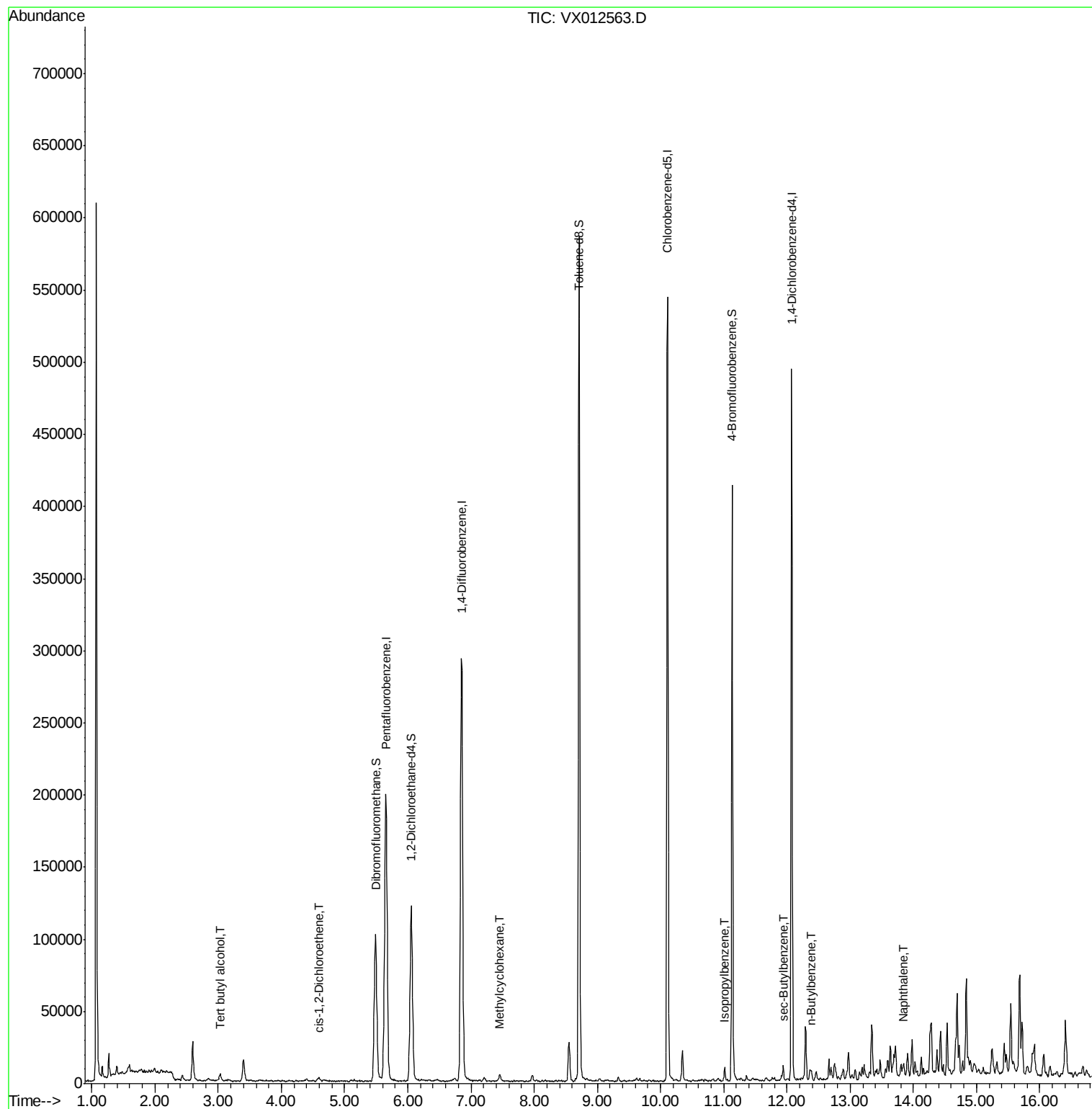
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.65   | 168  | 180601   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85   | 114  | 286283   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11  | 117  | 238180   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07  | 152  | 93703    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06   | 65   | 120795   | 46.67 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 93.34%  |          |
| 35) Dibromofluoromethane    | 5.49   | 113  | 85818    | 49.53 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 99.06%  |          |
| 50) Toluene-d8              | 8.71   | 98   | 330511   | 51.53 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 103.06% |          |
| 62) 4-Bromofluorobenzene    | 11.14  | 95   | 114727   | 43.08 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 86.16%  |          |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 11) Tert butyl alcohol      | 3.03   | 59   | 4819     | 1.505 | ug/l #  | 86       |
| 27) cis-1,2-Dichloroethene  | 4.59   | 96   | 1160     | 0.659 | ug/l    | 96       |
| 39) Methylcyclohexane       | 7.45   | 83   | 1689     | 0.999 | ug/l #  | 74       |
| 73) Isopropylbenzene        | 11.01  | 105  | 4240     | 0.721 | ug/l    | 92       |
| 85) sec-Butylbenzene        | 11.94  | 105  | 4675     | 0.790 | ug/l    | 80       |
| 89) n-Butylbenzene          | 12.38  | 91   | 2074     | 0.428 | ug/l #  | 71       |
| 95) Naphthalene             | 13.83  | 128  | 3470     | 0.537 | ug/l #  | 76       |

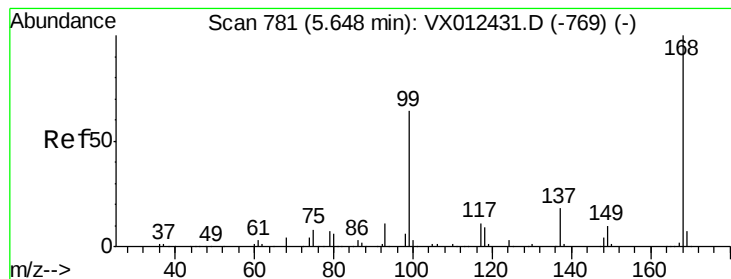
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092019\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
TMW-03

Quant Time: Sep 21 03:25:32 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X091719W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 17 15:27:10 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012563.D

Acq: 20 Sep 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

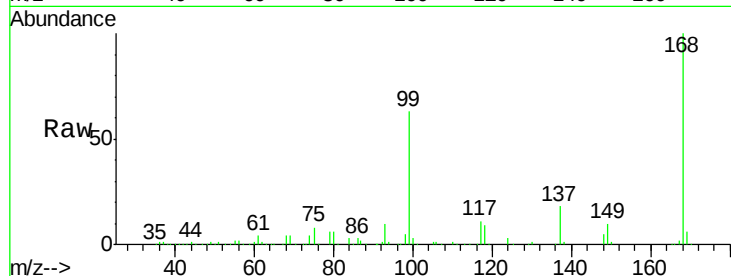
TMW-03

Tot Ion:168 Resp: 180601

Ion Ratio Lower Upper

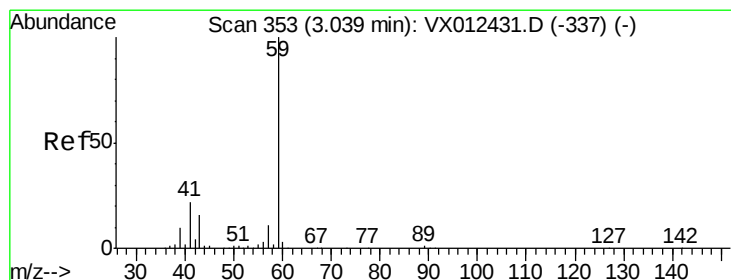
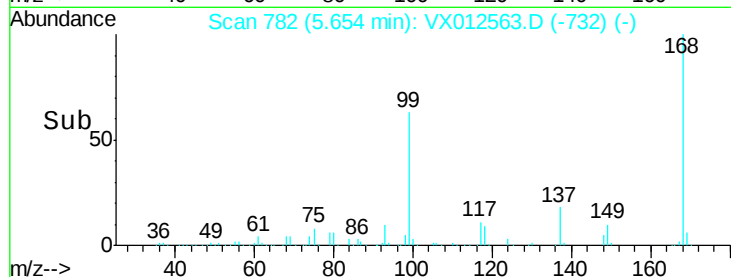
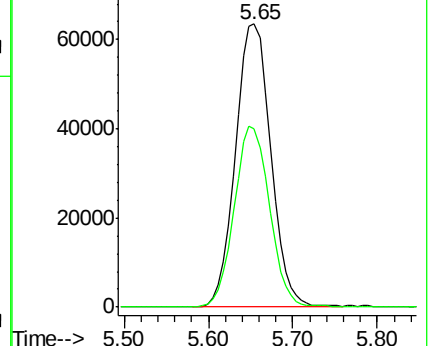
168 100

99 63.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 1.505 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.01 min

Lab File: VX012563.D

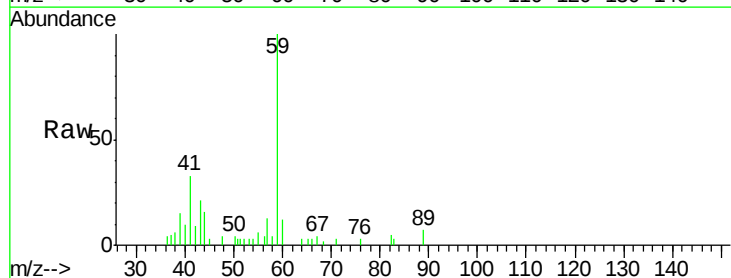
Acq: 20 Sep 2019 17:32

Tgt Ion: 59 Resp: 4819

Ion Ratio Lower Upper

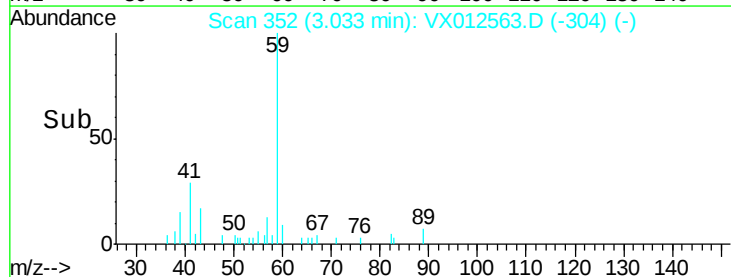
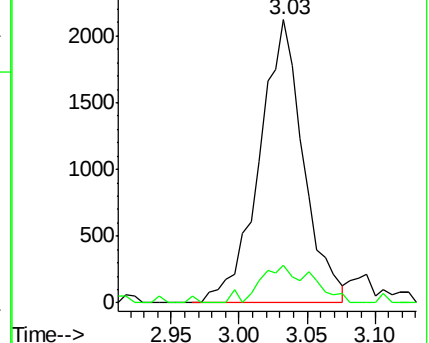
59 100

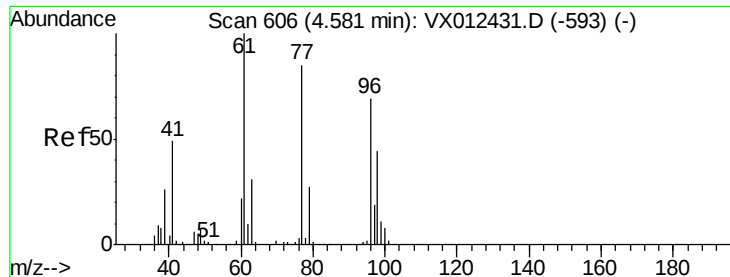
57 15.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



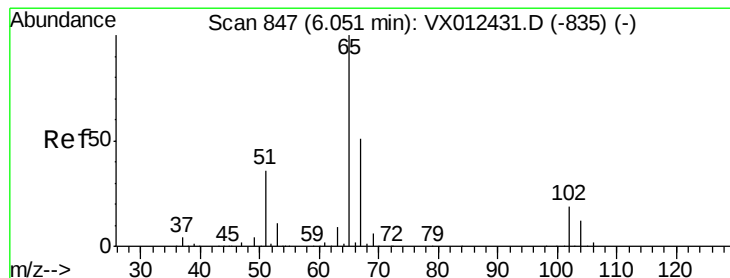
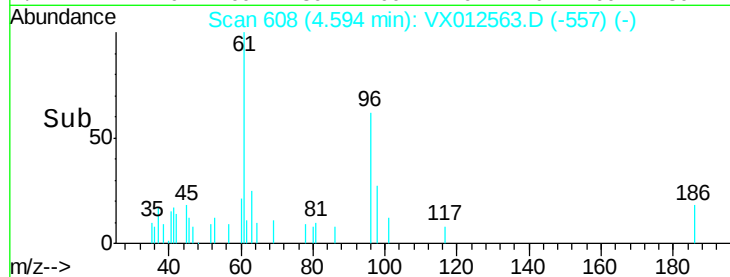
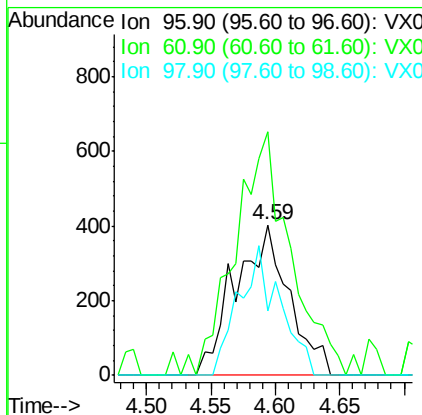
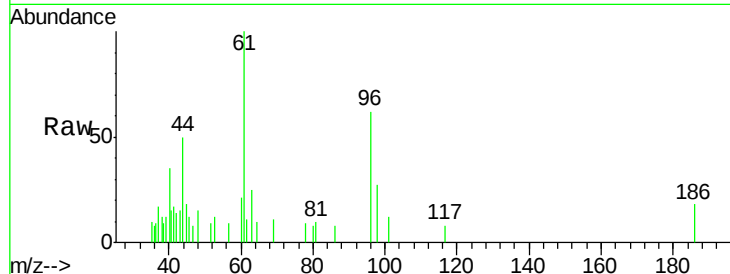


#27

cis-1,2-Dichloroethene  
 Concen: 0.659 ug/l  
 RT: 4.59 min Scan# 608  
 Delta R.T. 0.01 min  
 Lab File: VX012563.D  
 Acq: 20 Sep 2019 17:32

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 TMW-03

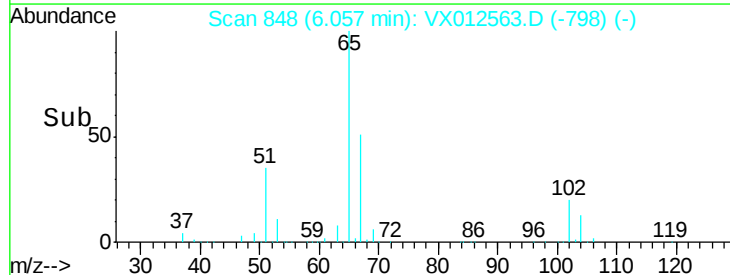
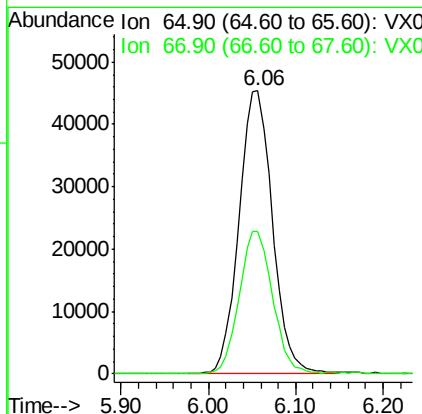
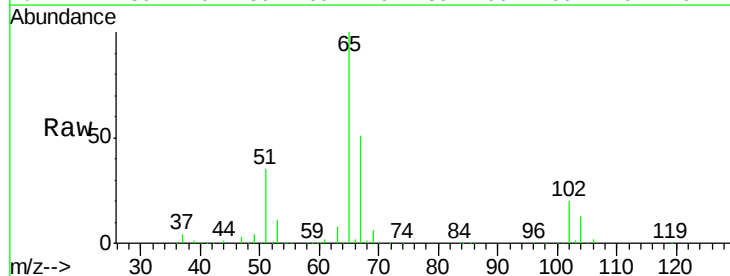
Tot Ion: 96 Resp: 1160  
 Ion Ratio Lower Upper  
 96 100  
 61 167.6 0.0 319.4  
 98 65.9 0.0 130.6

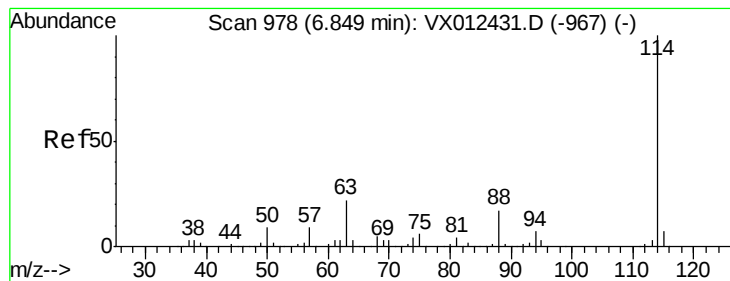


#33

1,2-Dichloroethane-d4  
 Concen: 46.668 ug/l  
 RT: 6.06 min Scan# 848  
 Delta R.T. 0.01 min  
 Lab File: VX012563.D  
 Acq: 20 Sep 2019 17:32

Tgt Ion: 65 Resp: 120795  
 Ion Ratio Lower Upper  
 65 100  
 67 50.4 0.0 101.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012563.D

Acq: 20 Sep 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

TMW-03

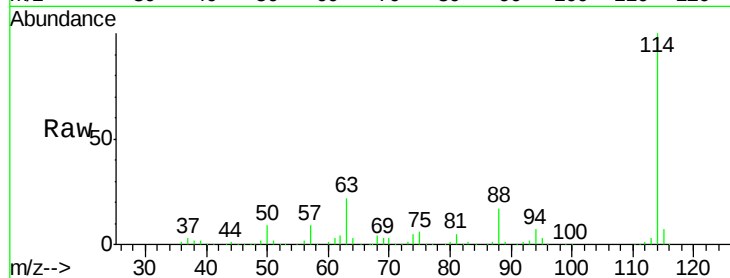
Tot Ion:114 Resp: 286283

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

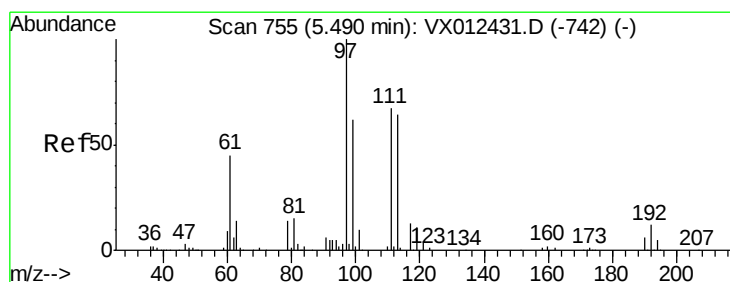
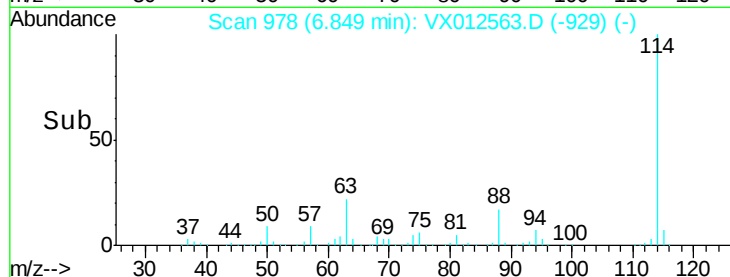
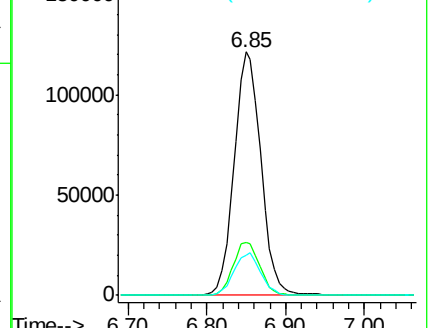
88 16.7 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.527 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012563.D

Acq: 20 Sep 2019 17:32

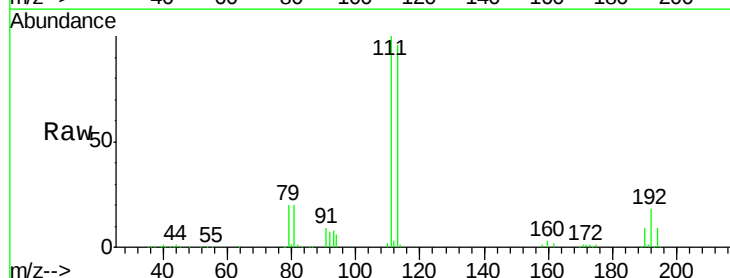
Tgt Ion:113 Resp: 85818

Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.2

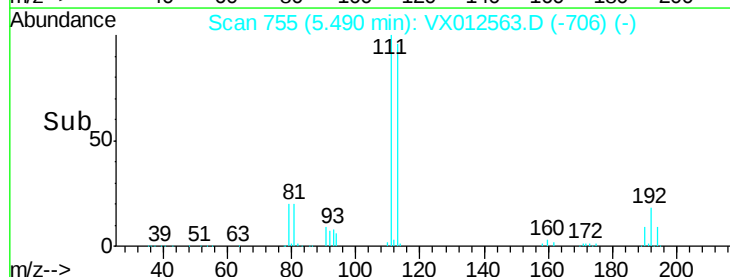
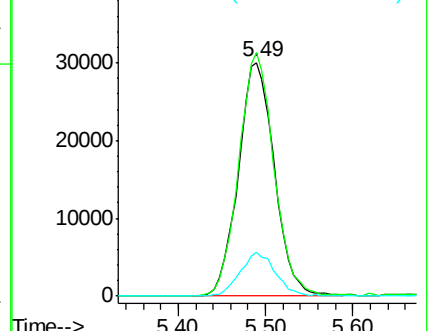
192 18.3 14.4 21.6

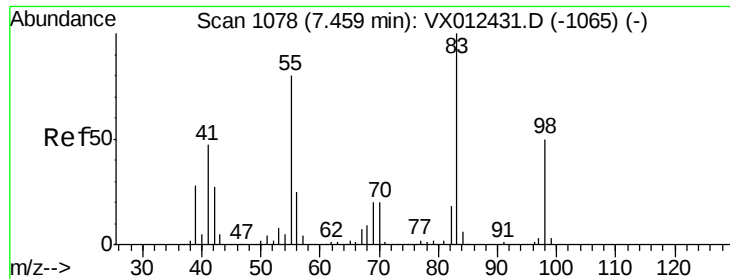


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

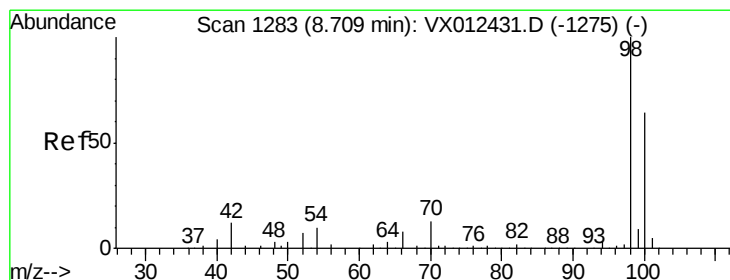
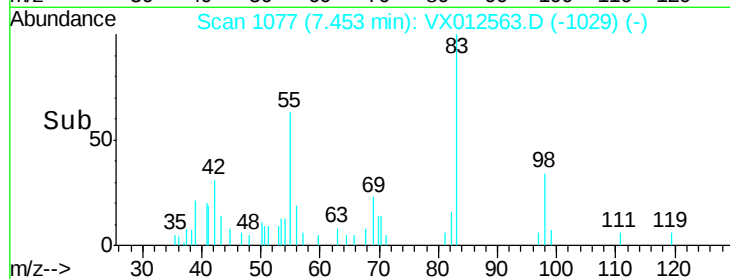
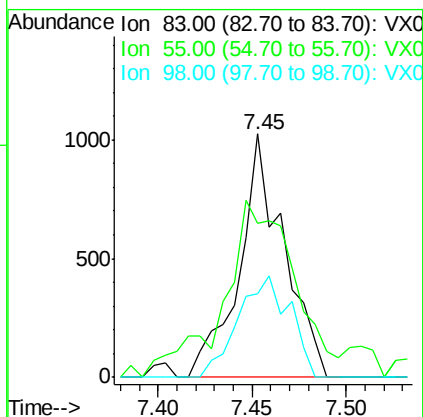
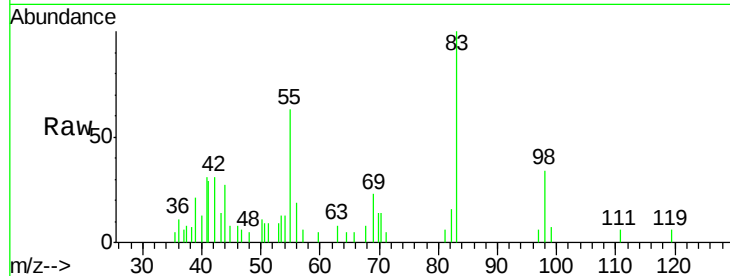




#39  
Methylcyclohexane  
Concen: 0.999 ug/l  
RT: 7.45 min Scan# 1077  
Delta R.T. -0.01 min  
Lab File: VX012563.D  
Acq: 20 Sep 2019 17:32

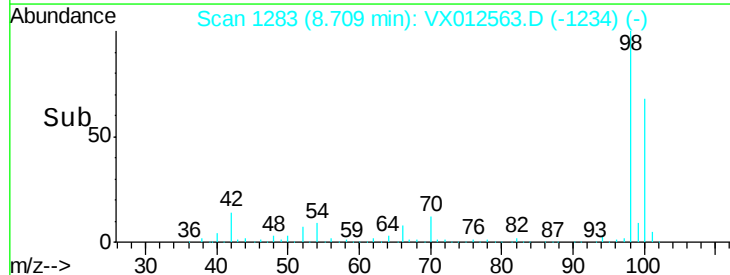
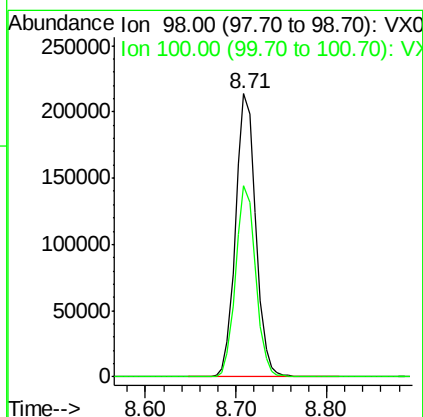
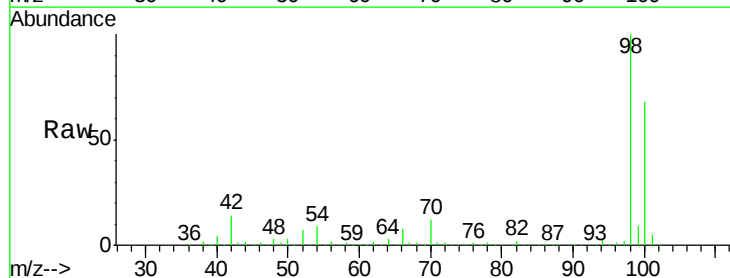
Instrument :  
MSVOA\_X  
ClientSampled :  
TMW-03

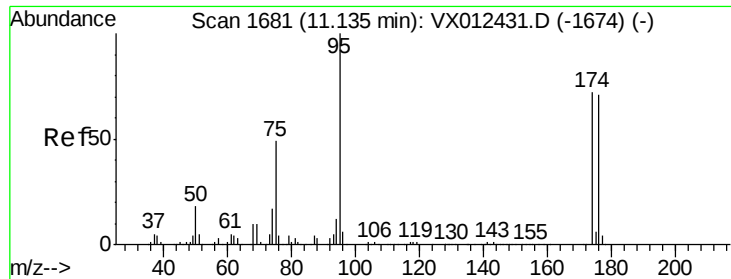
Tot Ion: 83 Resp: 1689  
Ion Ratio Lower Upper  
83 100  
55 55.6 64.4 96.6#  
98 34.2 40.1 60.1#



#50  
Toluene-d8  
Concen: 51.532 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. 0.00 min  
Lab File: VX012563.D  
Acq: 20 Sep 2019 17:32

Tgt Ion: 98 Resp: 330511  
Ion Ratio Lower Upper  
98 100  
100 67.0 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 43.082 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012563.D

Acq: 20 Sep 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

TMW-03

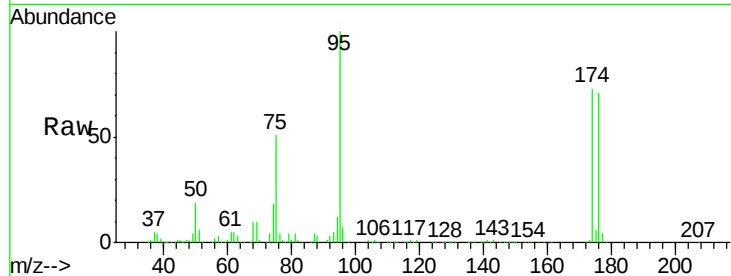
Tot Ion: 95 Resp: 114727

Ion Ratio Lower Upper

95 100

174 70.6 0.0 140.0

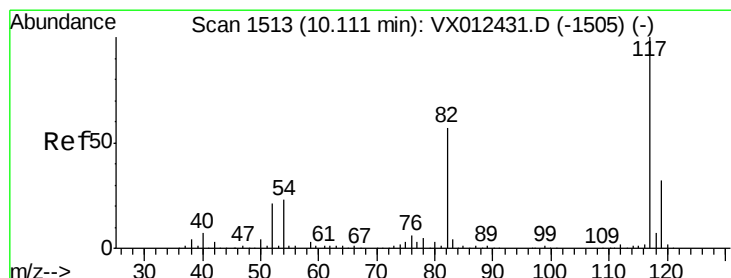
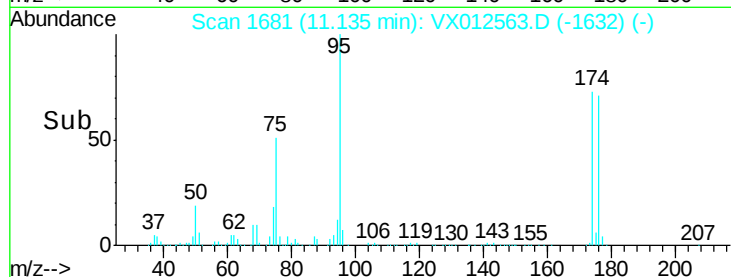
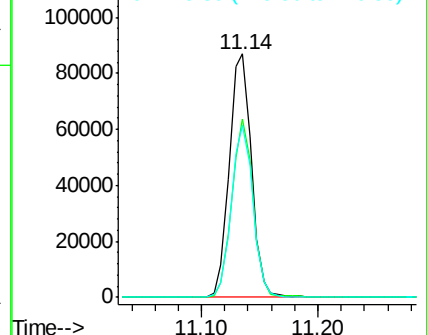
176 69.2 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012563.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012563.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012563.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012563.D

Acq: 20 Sep 2019 17:32

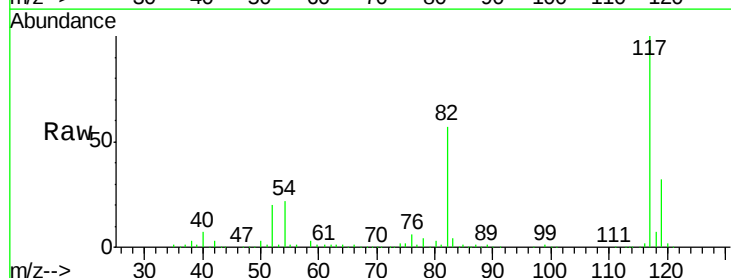
Tgt Ion: 117 Resp: 238180

Ion Ratio Lower Upper

117 100

82 56.7 45.9 68.9

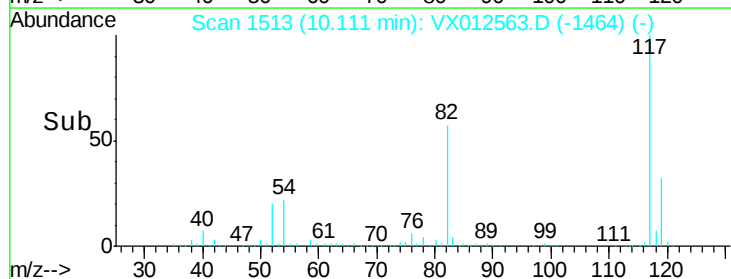
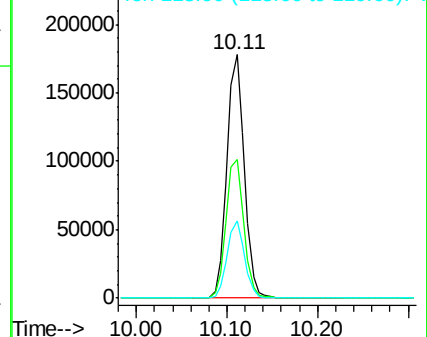
119 31.8 25.3 37.9

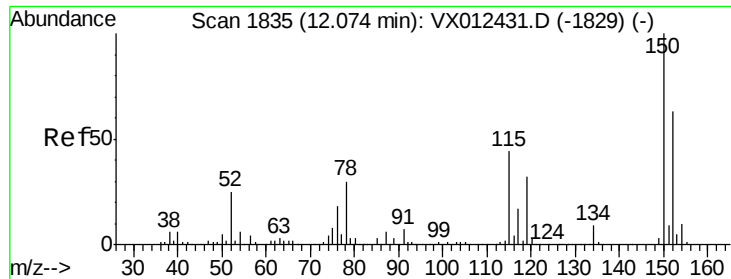


Abundance Ion 116.90 (116.60 to 117.60): VX012563.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012563.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012563.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012563.D

Acq: 20 Sep 2019 17:32

Instrument :

MSVOA\_X

ClientSampleId :

TMW-03

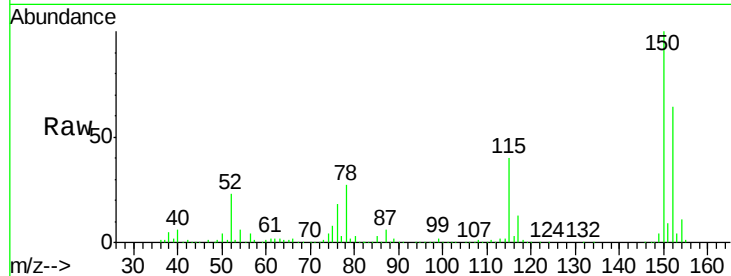
Tot Ion:152 Resp: 93703

Ion Ratio Lower Upper

152 100

115 63.0 44.1 132.3

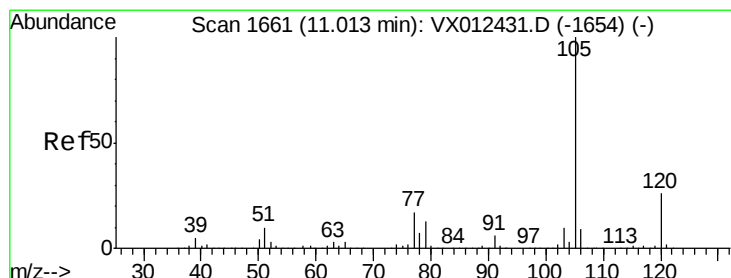
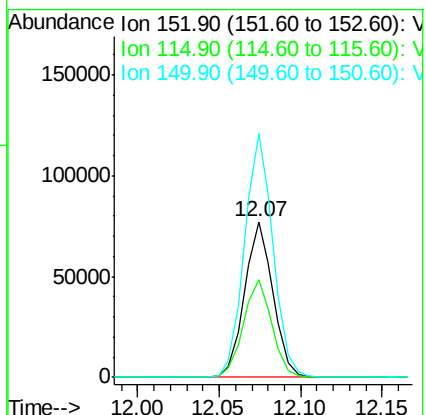
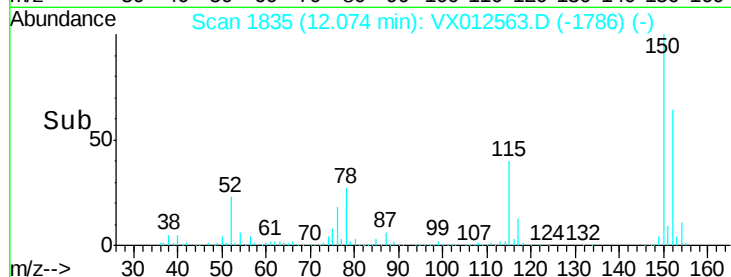
150 157.1 0.0 343.8



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: 0.721 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012563.D

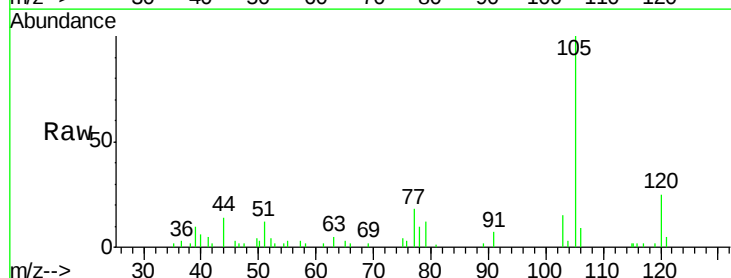
Acq: 20 Sep 2019 17:32

Tgt Ion:105 Resp: 4240

Ion Ratio Lower Upper

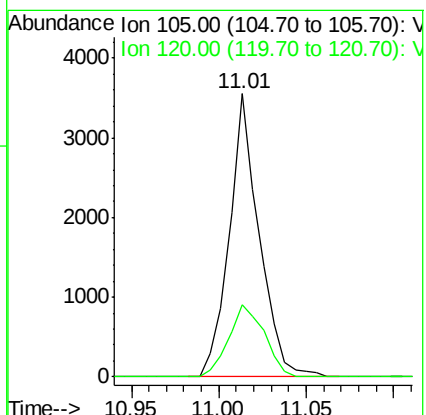
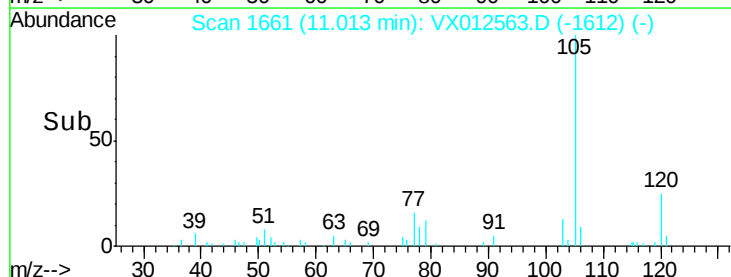
105 100

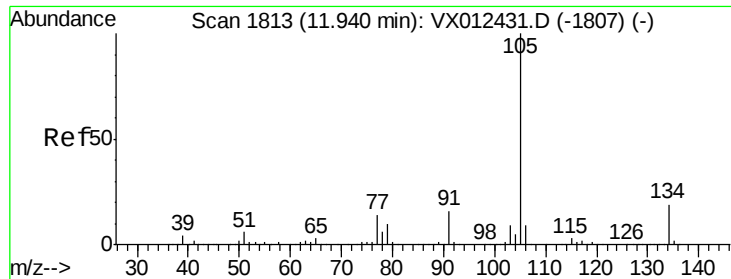
120 30.1 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.790 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012563.D

Acq: 20 Sep 2019 17:32

Instrument :

MSVOA\_X

ClientSampled :

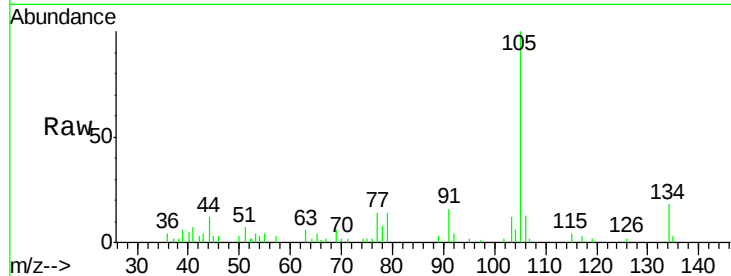
TMW-03

Tot Ion:105 Resp: 4675

Ion Ratio Lower Upper

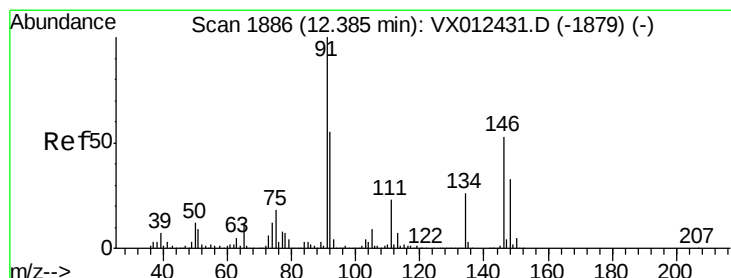
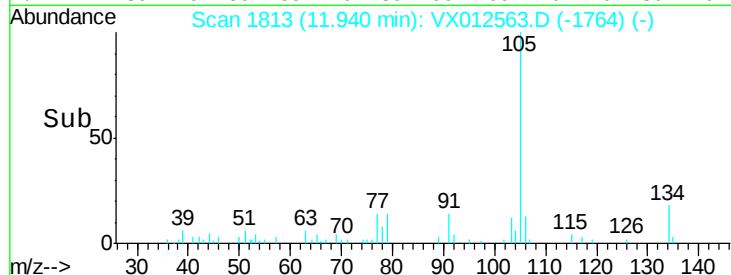
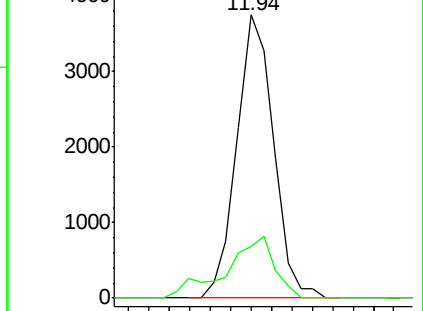
105 100

134 28.9 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.428 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012563.D

Acq: 20 Sep 2019 17:32

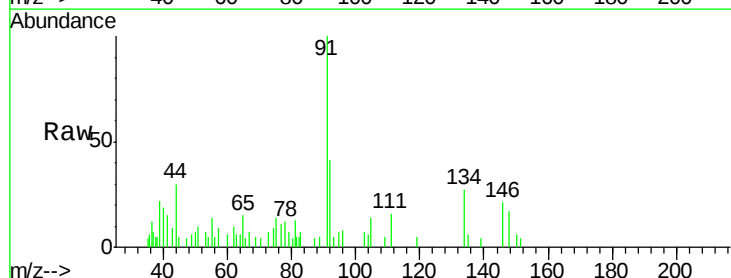
Tgt Ion: 91 Resp: 2074

Ion Ratio Lower Upper

91 100

92 41.4 27.7 83.0

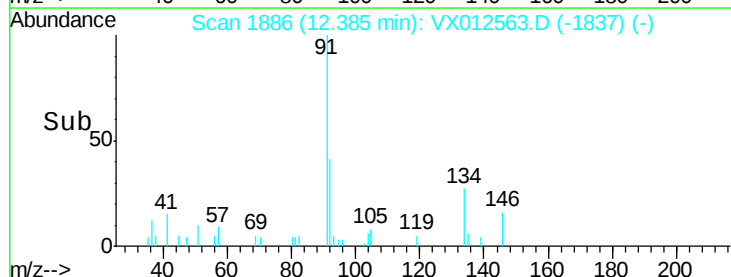
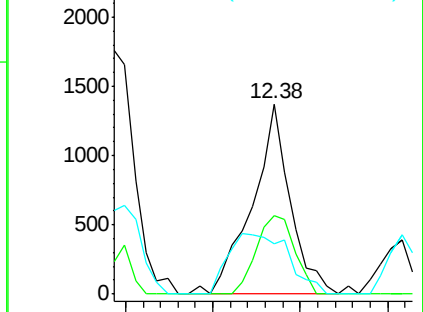
134 50.9 12.9 38.6#

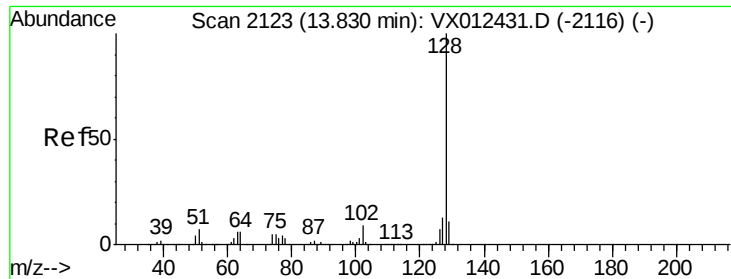


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

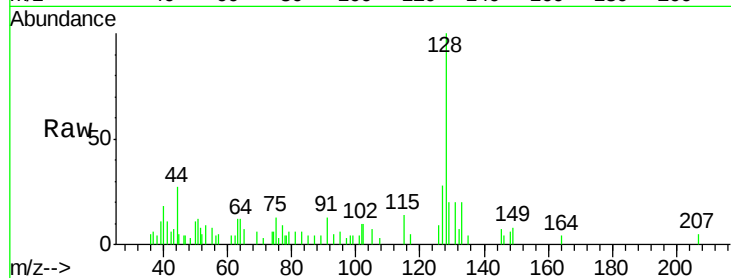




#95  
Naphthalene  
Concen: 0.537 ug/l  
RT: 13.83 min Scan# 2123  
Delta R.T. 0.00 min  
Lab File: VX012563.D  
Acq: 20 Sep 2019 17:32

Instrument :  
MSVOA\_X  
ClientSampleId :  
TMW-03

Tot Ion:128 Resp: 3470  
Ion Ratio Lower Upper  
128 100  
127 19.4 10.2 15.4#  
129 23.7 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

