

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\  
 Data File : VX002944.D  
 Acq On : 27 Jun 2018 18:43  
 Operator : JC/MD  
 Sample : J3707-11 20X  
 Misc : 7.12g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021SB480-19-21-180622

Quant Time: Jul 06 17:39:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 25 14:38:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 269929   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 381111   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 358994   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 212601   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 184817   | 49.54 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.08% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 143324   | 47.49 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.98% |          |
| 50) Toluene-d8              | 8.72  | 98   | 540674   | 49.06 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.12% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 201909   | 47.50 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.00% |          |

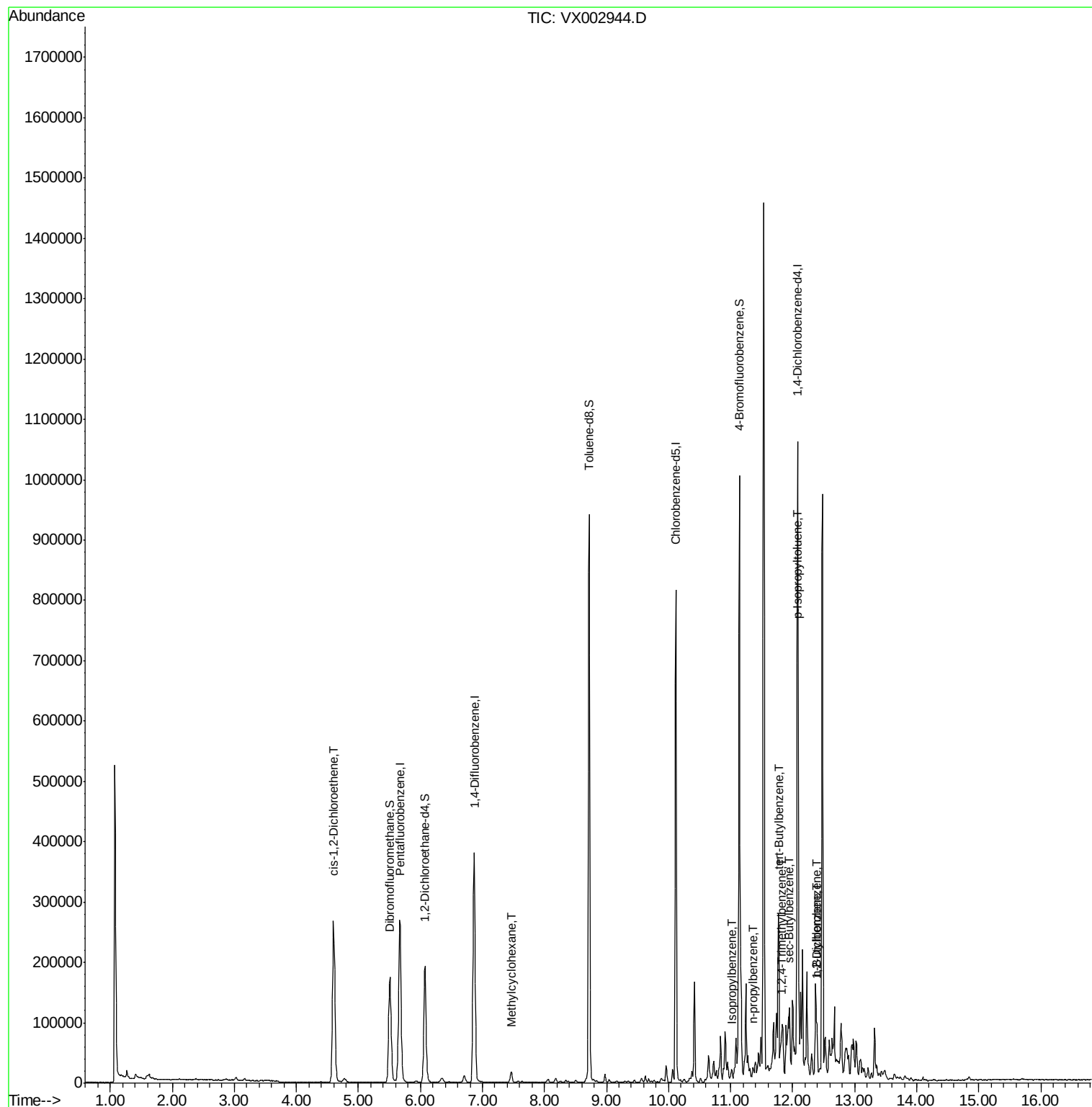
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 27) cis-1,2-Dichloroethene | 4.60  | 96   | 169233   | 52.06 | ug/l   | 83     |
| 39) Methylcyclohexane      | 7.46  | 83   | 6815     | 1.40  | ug/l   | 97     |
| 73) Isopropylbenzene       | 11.02 | 105  | 7316     | 0.51  | ug/l   | 98     |
| 78) n-propylbenzene        | 11.36 | 91   | 6145     | 0.38  | ug/l   | 96     |
| 83) tert-Butylbenzene      | 11.77 | 119  | 8013     | 0.67  | ug/l   | 83     |
| 84) 1,2,4-Trimethylbenzene | 11.81 | 105  | 5870     | 0.47  | ug/l   | 100    |
| 85) sec-Butylbenzene       | 11.95 | 105  | 24086    | 1.67  | ug/l # | 56     |
| 86) p-Isopropyltoluene     | 12.07 | 119  | 17094    | 1.32  | ug/l   | 94     |
| 89) n-Butylbenzene         | 12.39 | 91   | 25029    | 2.22  | ug/l # | 70     |
| 91) 1,2-Dichlorobenzene    | 12.40 | 146  | 5060     | 0.67  | ug/l # | 84     |

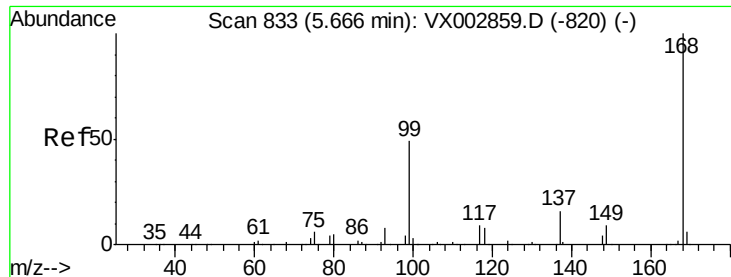
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062718\  
Data File : VX002944.D  
Acq On : 27 Jun 2018 18:43  
Operator : JC/MD  
Sample : J3707-11 20X  
Misc : 7.12g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
WP021SB480-19-21-180622

Quant Time: Jul 06 17:39:13 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 25 14:38:05 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX002944.D

Acq: 27 Jun 2018 18:43

Instrument :

MSVOA\_X

ClientSampleId :

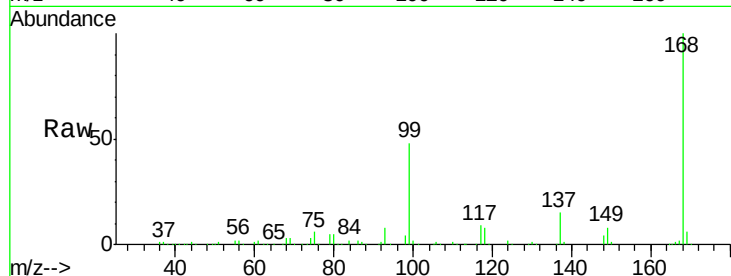
WP021SB480-19-21-180622

Tot Ion:168 Resp: 269929

Ion Ratio Lower Upper

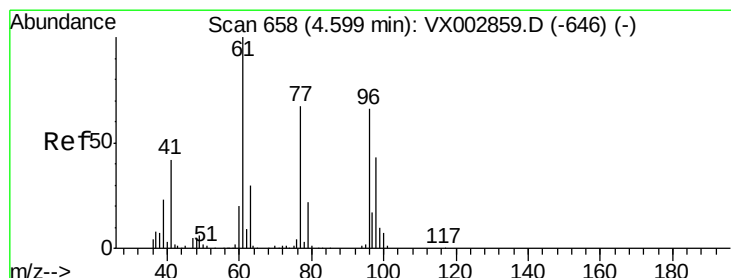
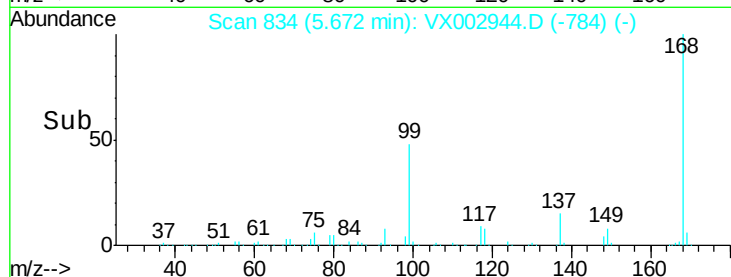
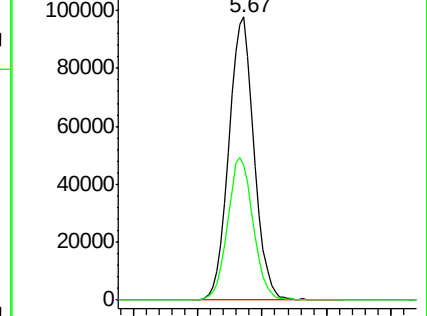
168 100

99 47.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 52.06 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002944.D

Acq: 27 Jun 2018 18:43

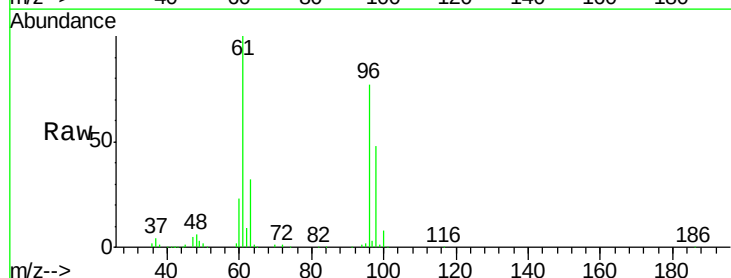
Tgt Ion: 96 Resp: 169233

Ion Ratio Lower Upper

96 100

61 134.5 0.0 330.2

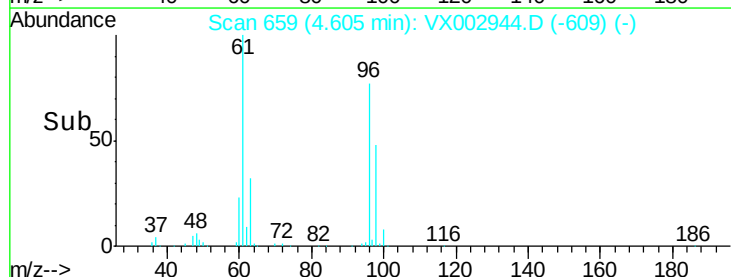
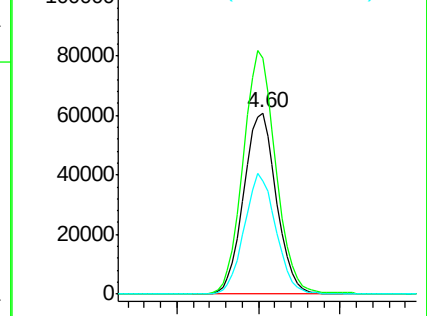
98 64.6 0.0 130.2

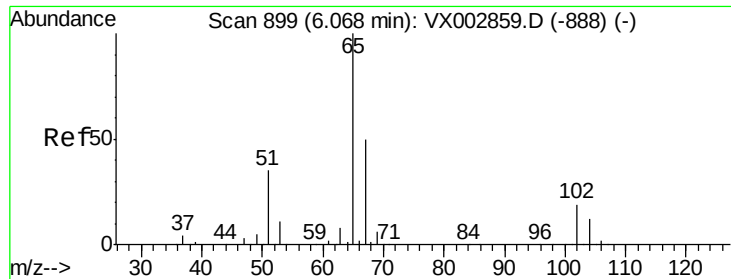


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

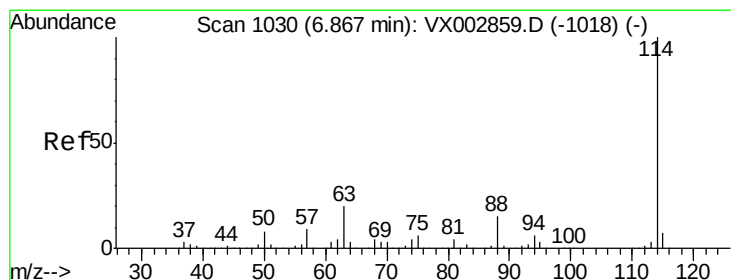
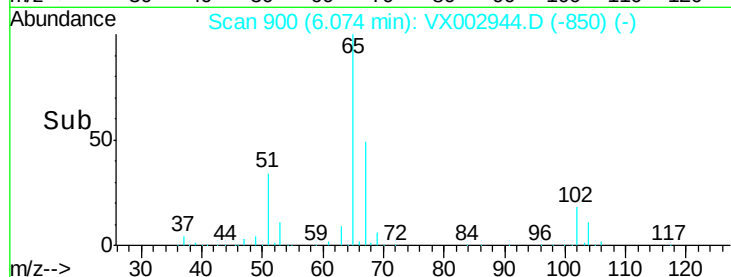
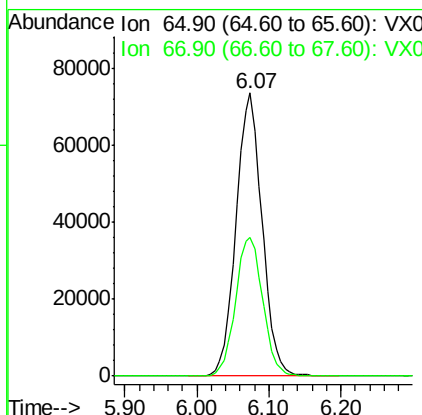
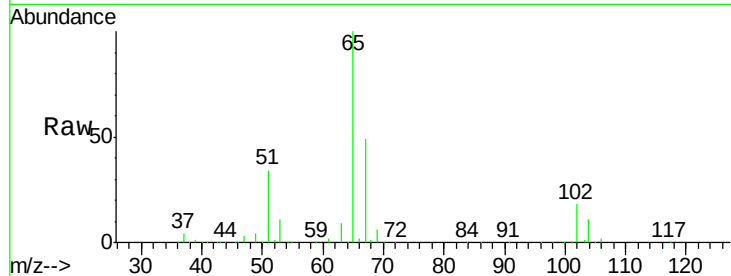




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.54 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.01 min  
 Lab File: VX002944.D  
 Acq: 27 Jun 2018 18:43

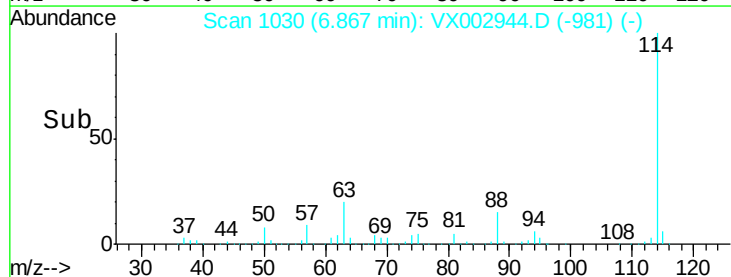
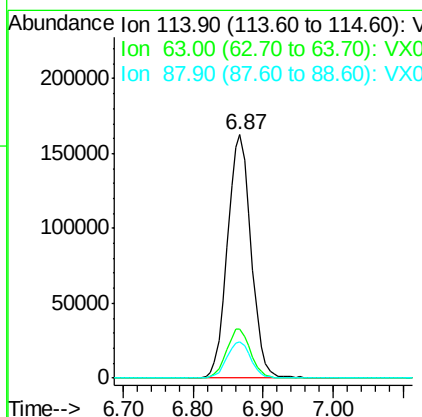
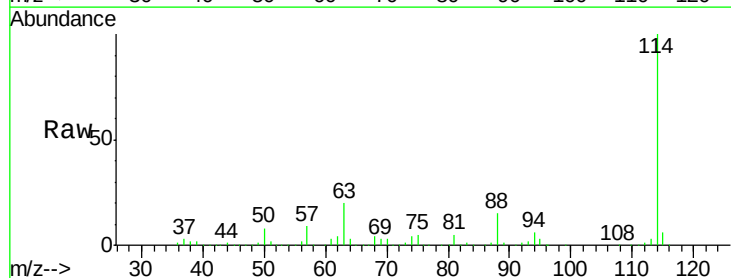
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021SB480-19-21-180622

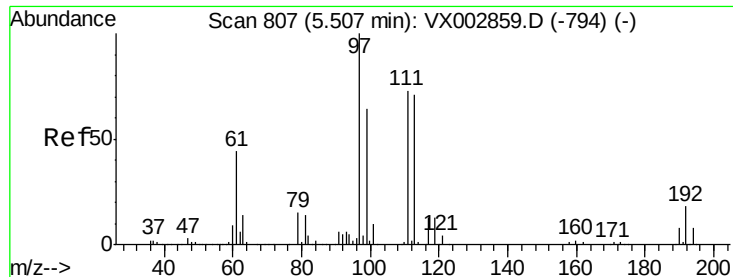
Tot Ion: 65 Resp: 184817  
 Ion Ratio Lower Upper  
 65 100  
 67 51.1 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX002944.D  
 Acq: 27 Jun 2018 18:43

Tgt Ion: 114 Resp: 381111  
 Ion Ratio Lower Upper  
 114 100  
 63 20.0 0.0 41.4  
 88 15.0 0.0 30.0

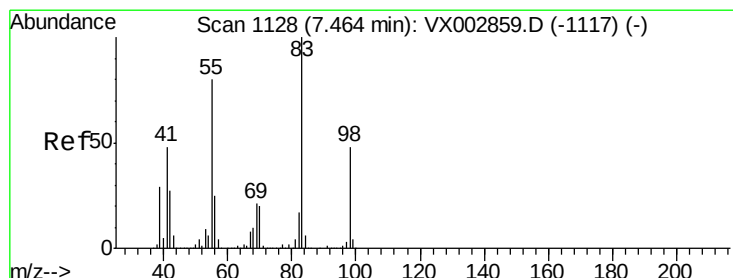
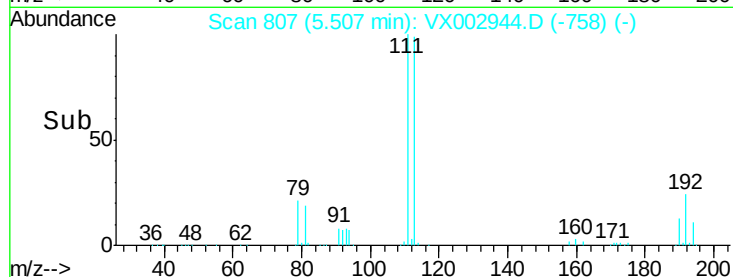
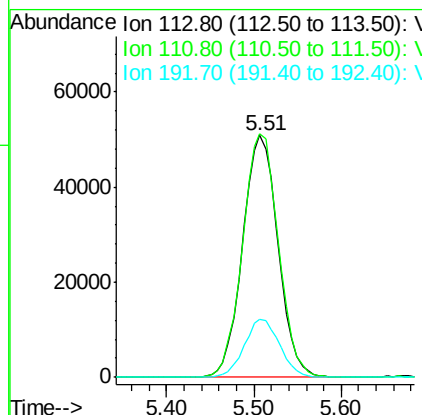
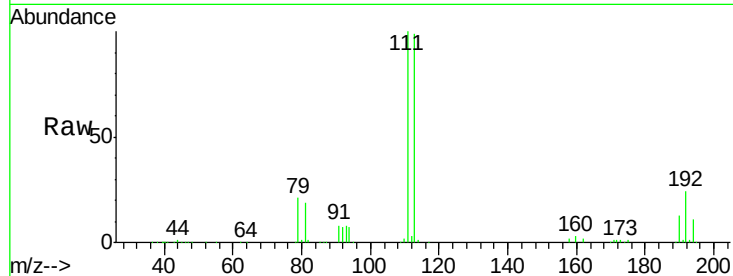




#35  
Dibromofluoromethane  
Concen: 47.49 ug/l  
RT: 5.51 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: VX002944.D  
Acq: 27 Jun 2018 18:43

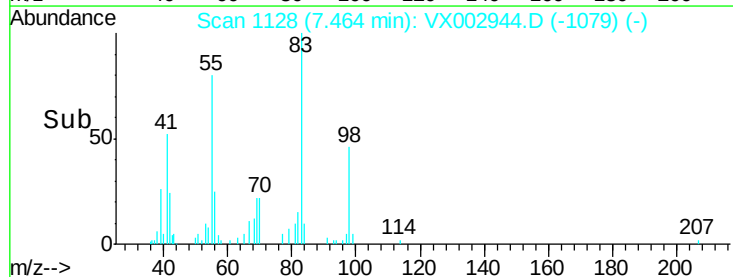
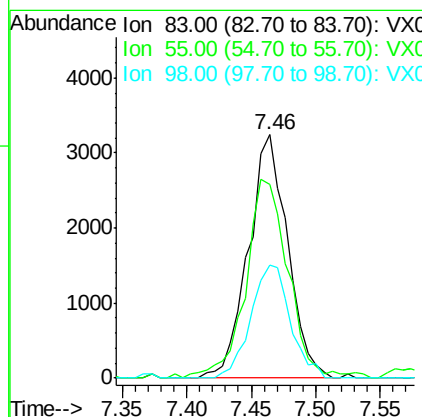
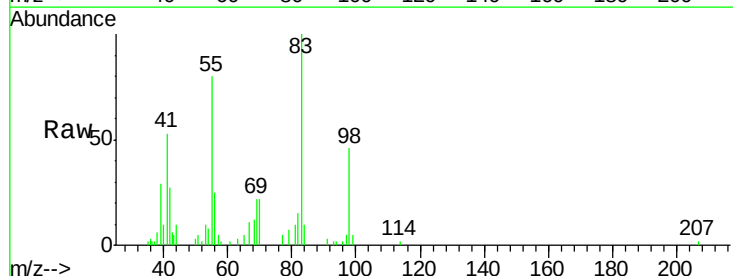
Instrument :  
MSVOA\_X  
ClientSampleId :  
WP021SB480-19-21-180622

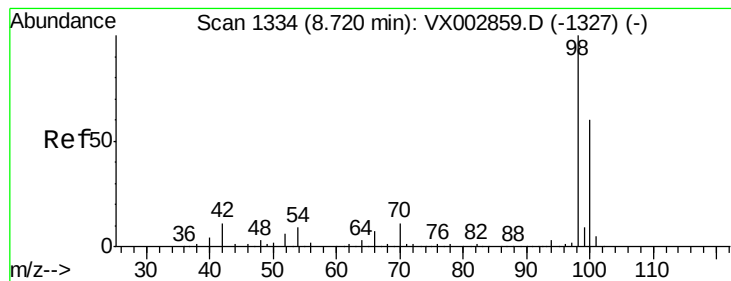
Tot Ion:113 Resp: 143324  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.4 122.0  
192 24.1 19.1 28.7



#39  
Methylcyclohexane  
Concen: 1.40 ug/l  
RT: 7.46 min Scan# 1128  
Delta R.T. 0.00 min  
Lab File: VX002944.D  
Acq: 27 Jun 2018 18:43

Tgt Ion: 83 Resp: 6815  
Ion Ratio Lower Upper  
83 100  
55 78.2 65.4 98.0  
98 46.2 37.4 56.0





#50

Toluene-d8

Concen: 49.06 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002944.D

Acq: 27 Jun 2018 18:43

Instrument :

MSVOA\_X

ClientSampleId :

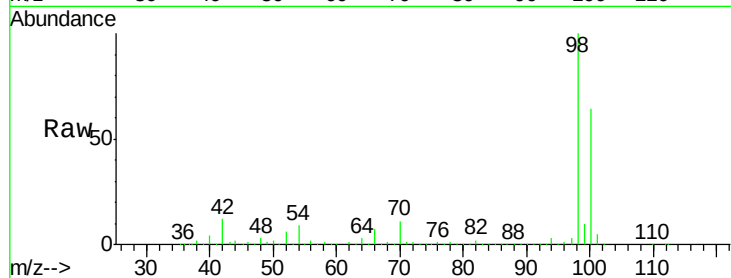
WP021SB480-19-21-180622

Tot Ion: 98 Resp: 540674

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

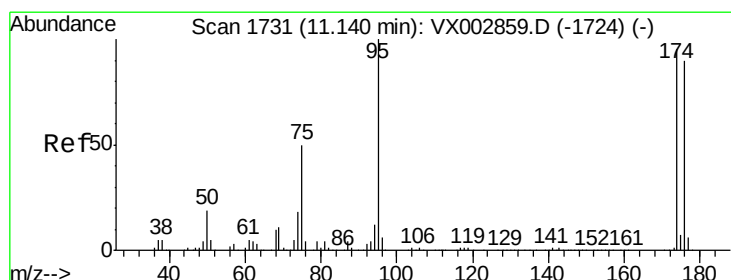
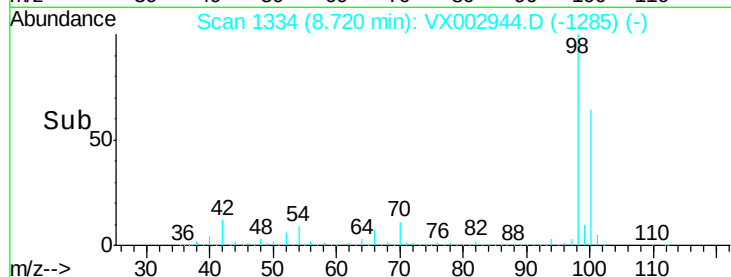
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002944.D

Acq: 27 Jun 2018 18:43

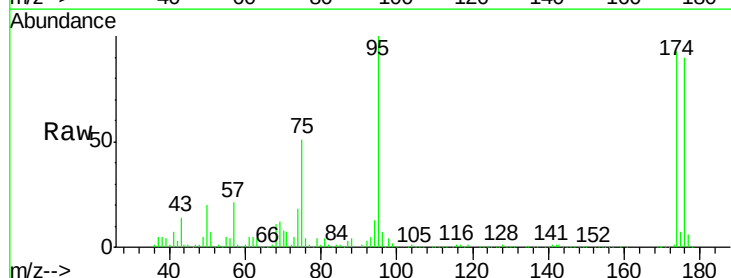
Tgt Ion: 95 Resp: 201909

Ion Ratio Lower Upper

95 100

174 94.9 0.0 187.4

176 92.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

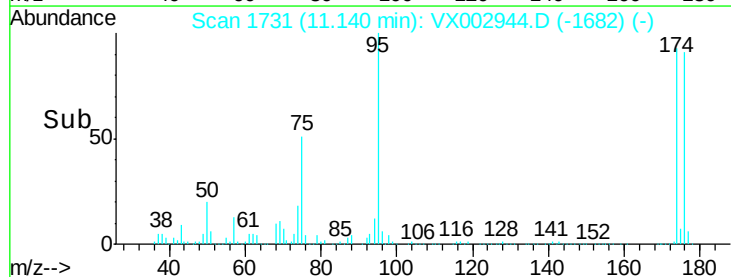
150000

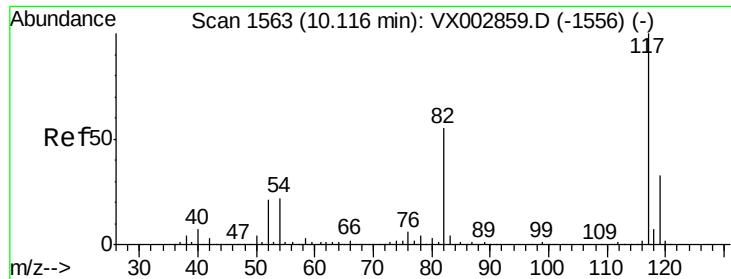
100000

50000

0

Time-->

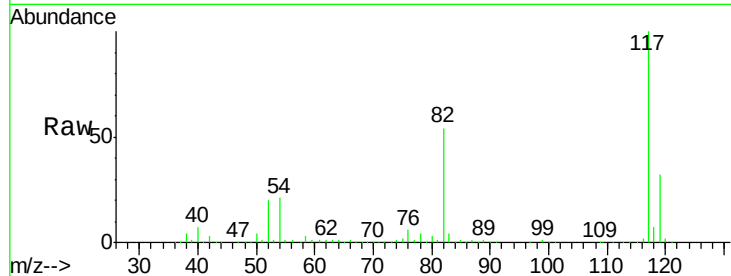




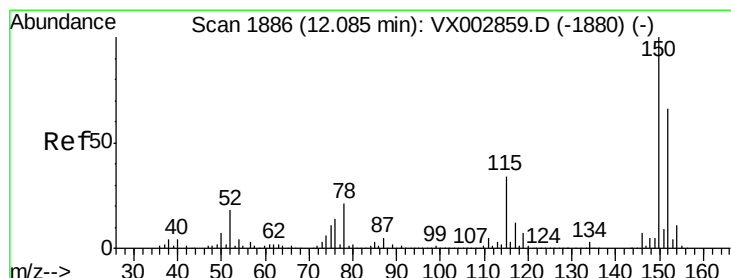
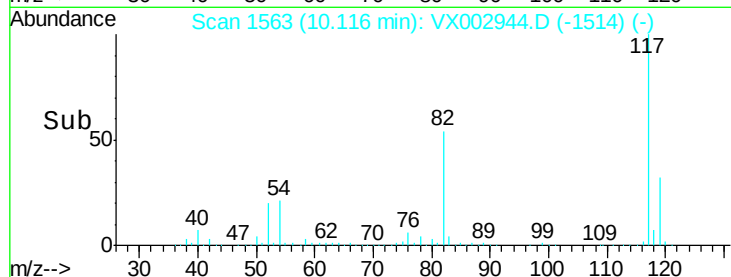
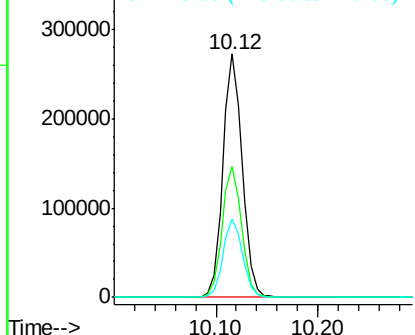
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX002944.D  
Acq: 27 Jun 2018 18:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
WP021SB480-19-21-180622

Tot Ion:117 Resp: 358994  
Ion Ratio Lower Upper  
117 100  
82 53.7 45.0 67.4  
119 32.0 25.8 38.6

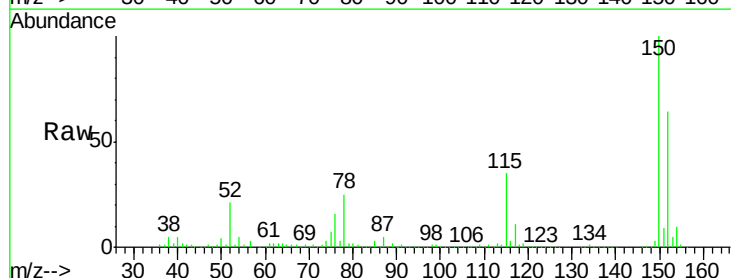


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

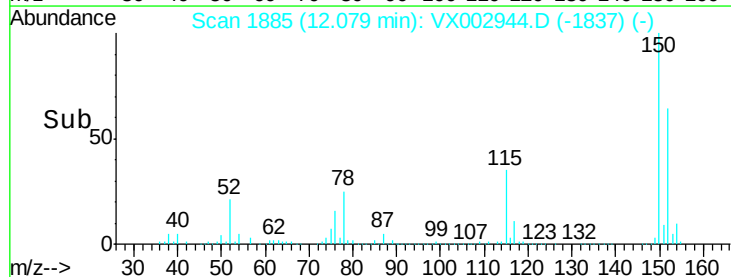
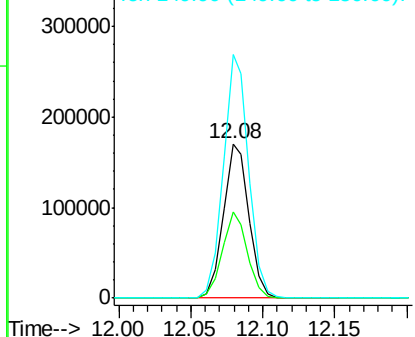


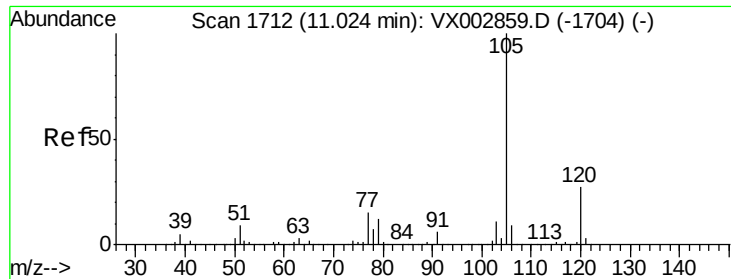
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. -0.01 min  
Lab File: VX002944.D  
Acq: 27 Jun 2018 18:43

Tgt Ion:152 Resp: 212601  
Ion Ratio Lower Upper  
152 100  
115 54.9 40.1 120.2  
150 155.5 0.0 347.2



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: 0.51 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002944.D

Acq: 27 Jun 2018 18:43

Instrument :

MSVOA\_X

ClientSampleId :

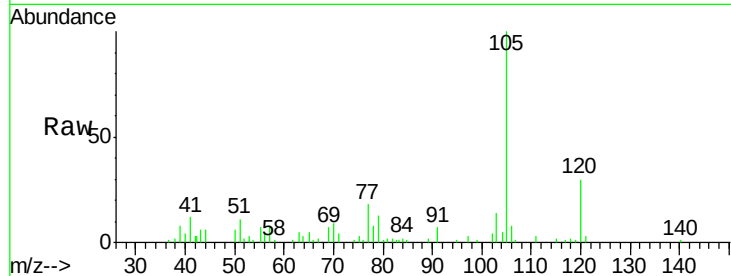
WP021SB480-19-21-180622

Tot Ion:105 Resp: 7316

Ion Ratio Lower Upper

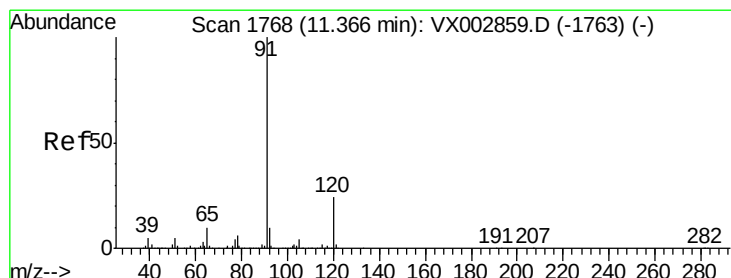
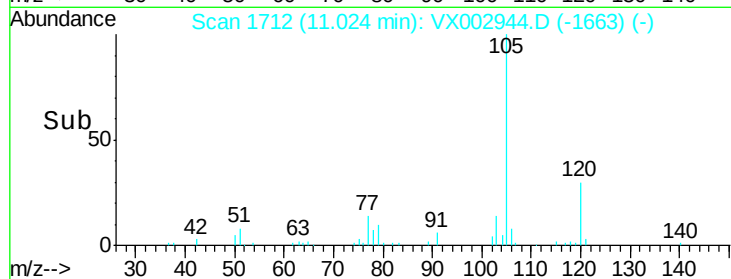
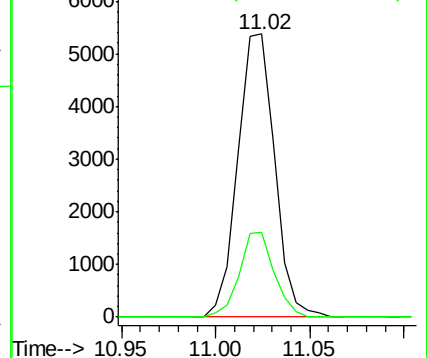
105 100

120 28.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.38 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX002944.D

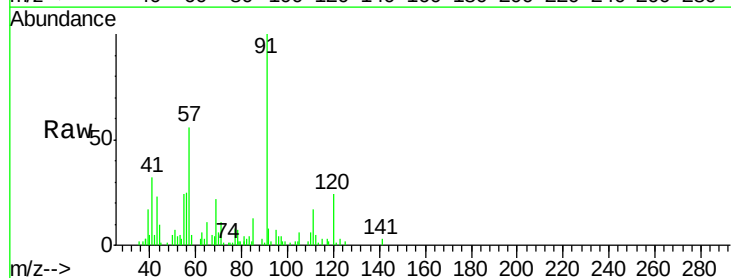
Acq: 27 Jun 2018 18:43

Tgt Ion: 91 Resp: 6145

Ion Ratio Lower Upper

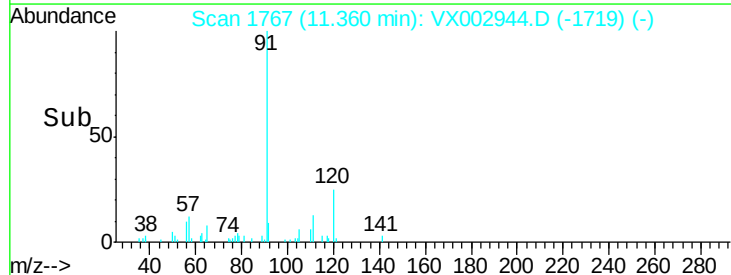
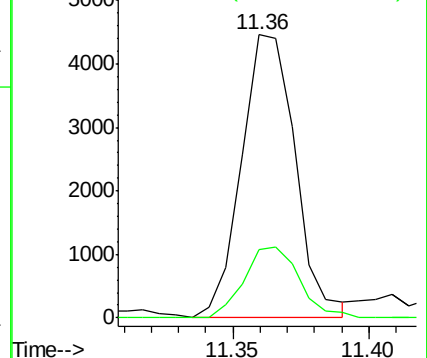
91 100

120 25.6 11.8 35.4

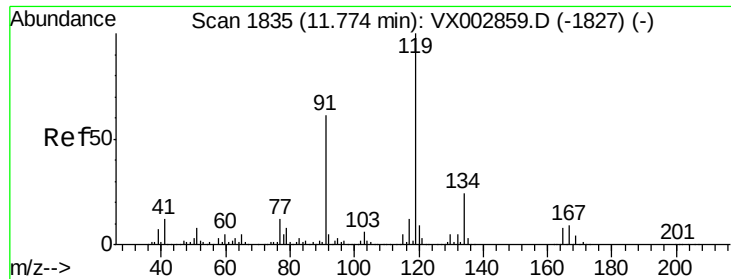


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



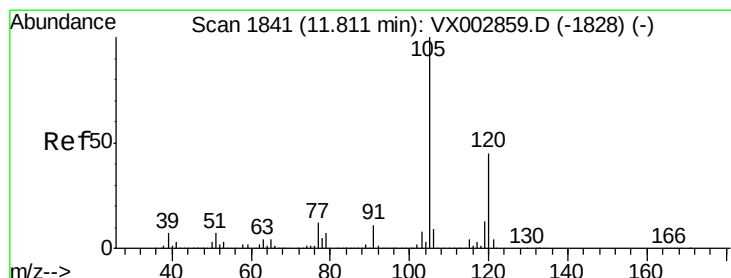
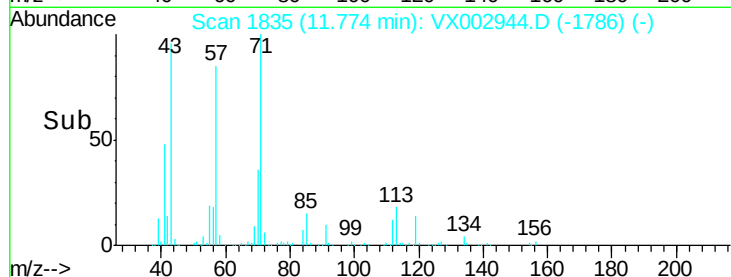
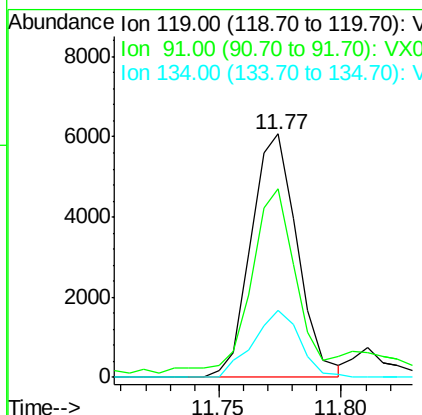
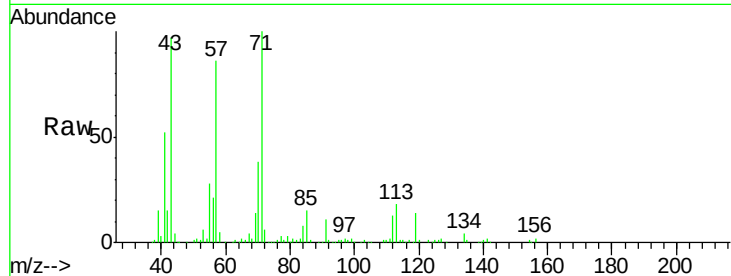




#83  
 tert-Butylbenzene  
 Concen: 0.67 ug/l  
 RT: 11.77 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX002944.D  
 Acq: 27 Jun 2018 18:43

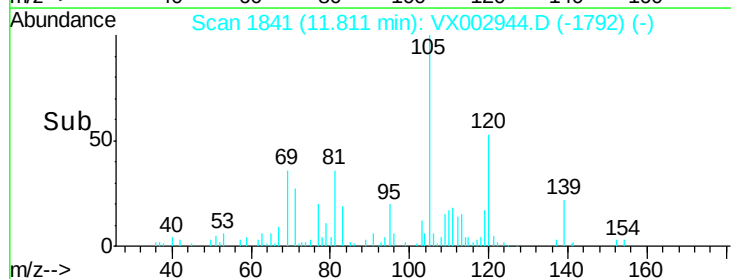
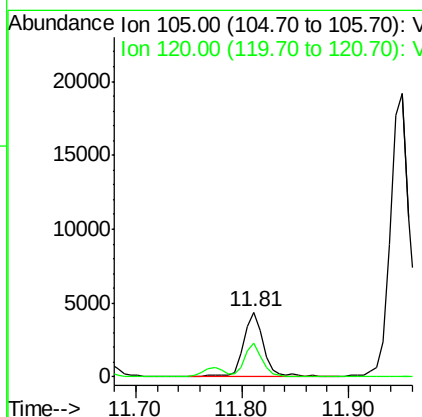
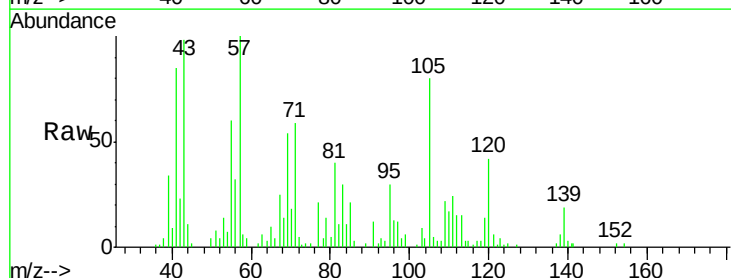
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021SB480-19-21-180622

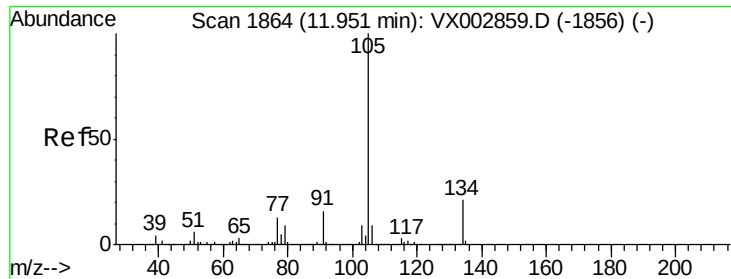
Tot Ion:119 Resp: 8013  
 Ion Ratio Lower Upper  
 119 100  
 91 75.5 30.3 90.9  
 134 27.8 11.7 35.1



#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.47 ug/l  
 RT: 11.81 min Scan# 1841  
 Delta R.T. 0.00 min  
 Lab File: VX002944.D  
 Acq: 27 Jun 2018 18:43

Tgt Ion:105 Resp: 5870  
 Ion Ratio Lower Upper  
 105 100  
 120 44.5 22.3 66.8

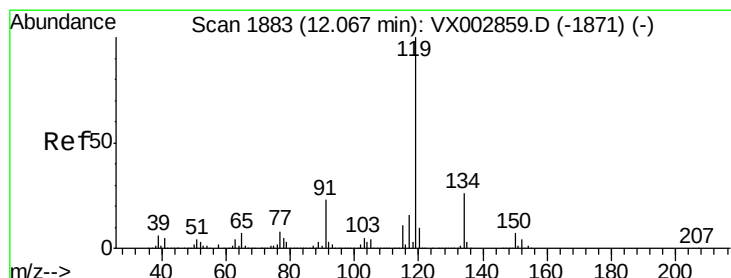
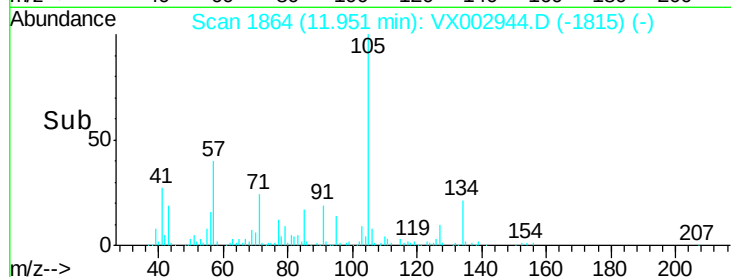
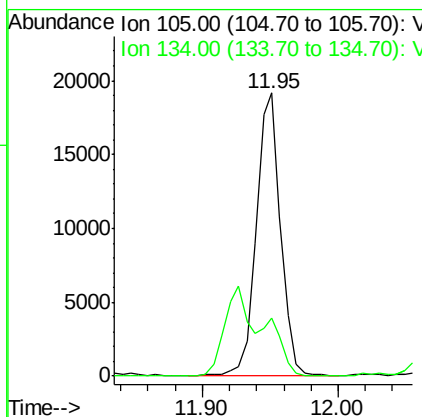
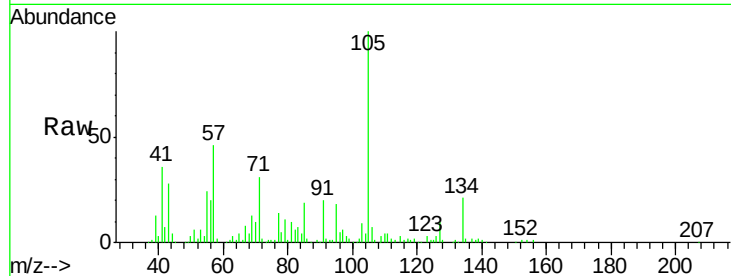




#85  
 sec-Butylbenzene  
 Concen: 1.67 ug/l  
 RT: 11.95 min Scan# 1864  
 Delta R.T. 0.00 min  
 Lab File: VX002944.D  
 Acq: 27 Jun 2018 18:43

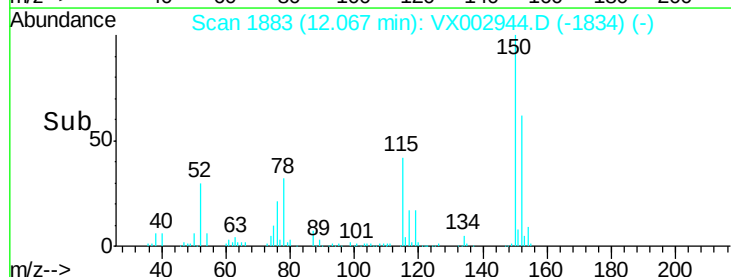
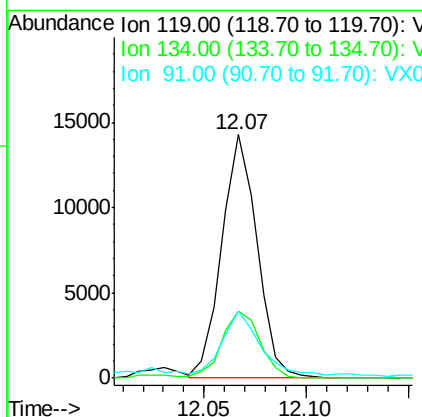
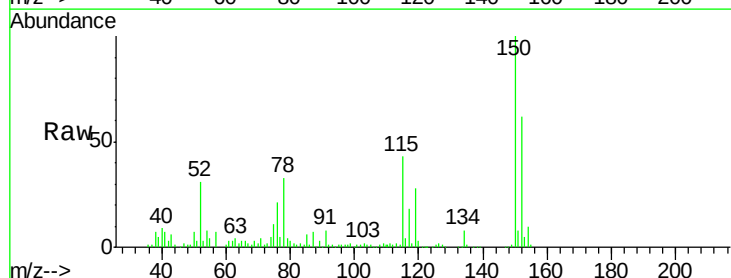
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WP021SB480-19-21-180622

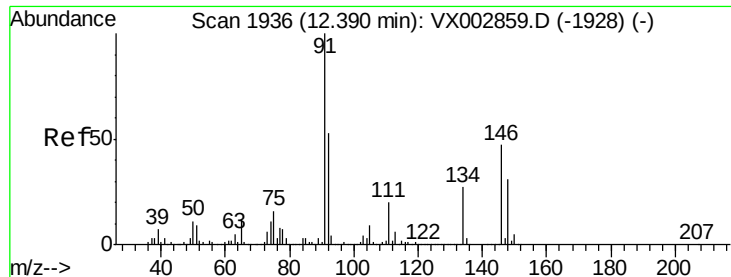
Tot Ion:105 Resp: 24086  
 Ion Ratio Lower Upper  
 105 100  
 134 0.0 10.4 31.1#



#86  
 p-Isopropyltoluene  
 Concen: 1.32 ug/l  
 RT: 12.07 min Scan# 1883  
 Delta R.T. 0.00 min  
 Lab File: VX002944.D  
 Acq: 27 Jun 2018 18:43

Tgt Ion:119 Resp: 17094  
 Ion Ratio Lower Upper  
 119 100  
 134 29.7 13.4 40.1  
 91 27.1 11.9 35.7

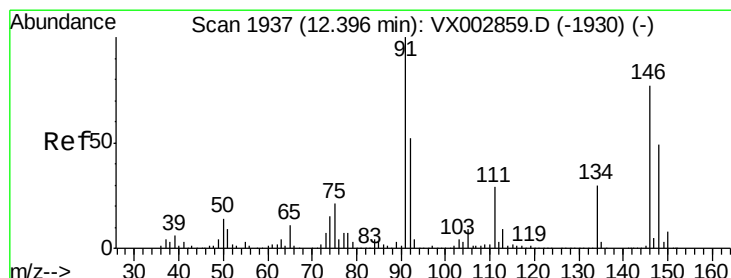
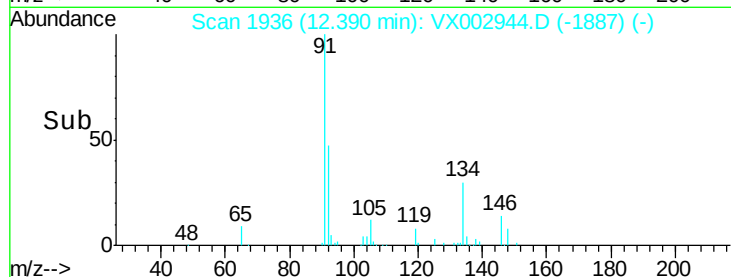
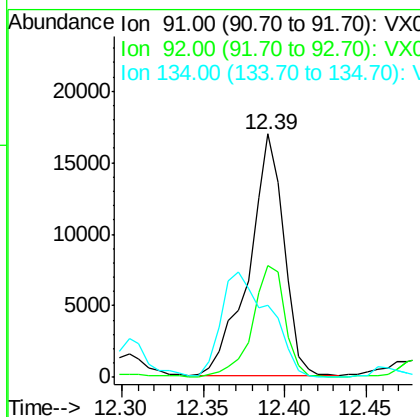
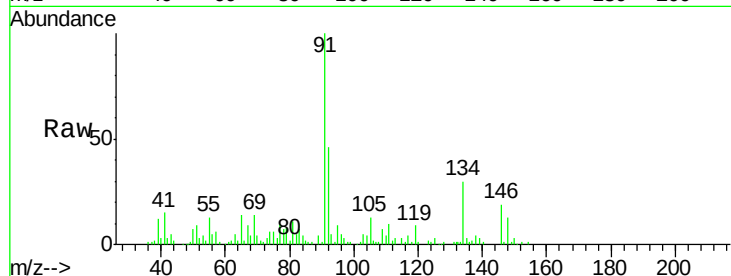




#89  
n-Butylbenzene  
Concen: 2.22 ug/l  
RT: 12.39 min Scan# 1936  
Delta R.T. -0.00 min  
Lab File: VX002944.D  
Acq: 27 Jun 2018 18:43

Instrument :  
MSVOA\_X  
ClientSampleId :  
WP021SB480-19-21-180622

Tot Ion: 91 Resp: 25029  
Ion Ratio Lower Upper  
91 100  
92 44.2 26.0 78.0  
134 61.3 13.5 40.5#



#91  
1,2-Dichlorobenzene  
Concen: 0.67 ug/l  
RT: 12.40 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VX002944.D  
Acq: 27 Jun 2018 18:43

Tgt Ion: 146 Resp: 5060  
Ion Ratio Lower Upper  
146 100  
111 59.2 19.4 58.1#  
148 67.2 31.7 95.1

