

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX110118\  
 Data File : VX005726.D  
 Acq On : 01 Nov 2018 13:50  
 Operator : JC/MD  
 Sample : J5737-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-A

Quant Time: Nov 01 15:10:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 18:23:06 2018  
 Response via : Initial Calibration

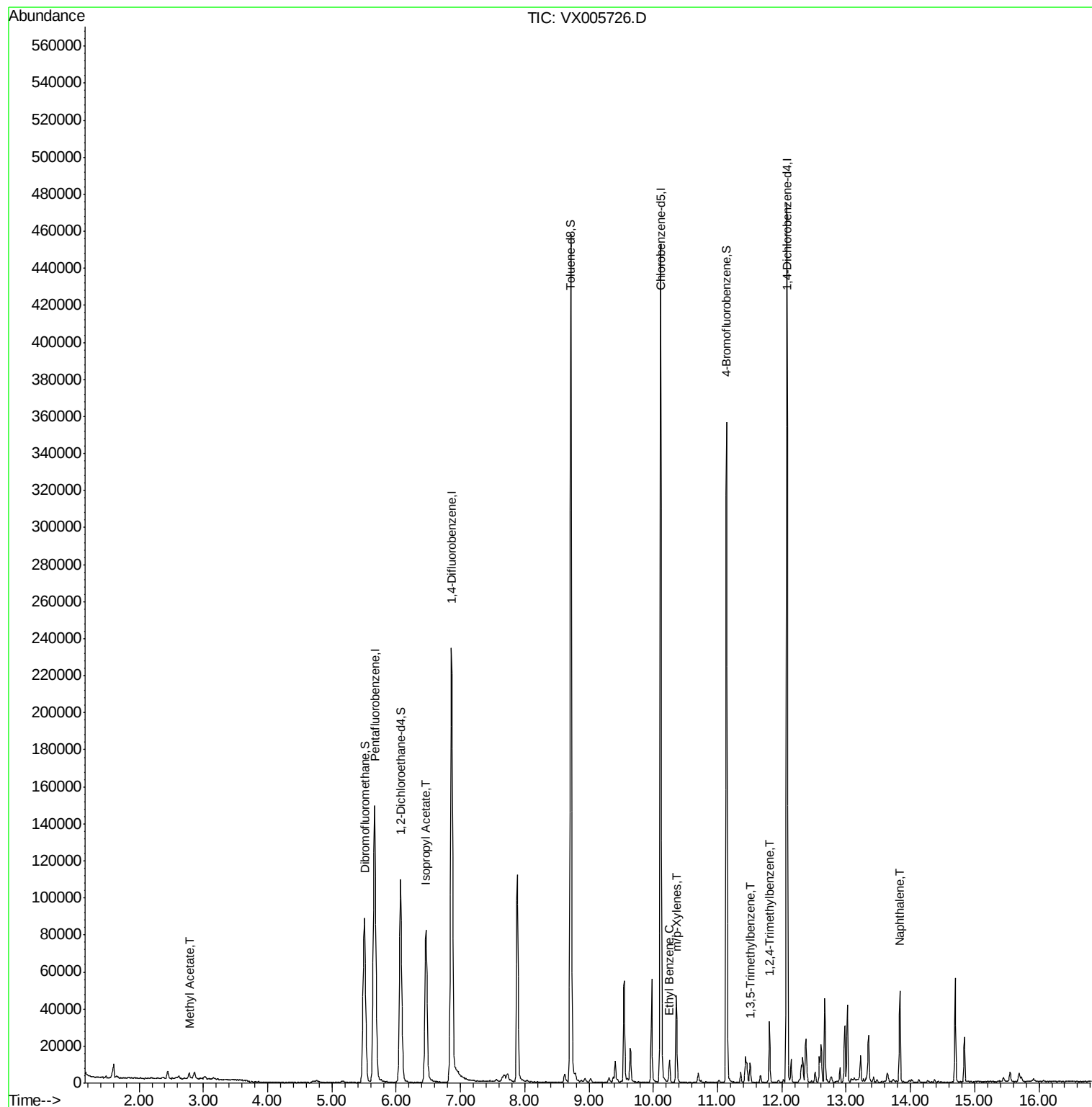
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 138305   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 229983   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 199018   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 89082    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 102772   | 50.83  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.66% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 73859    | 46.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.76%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 278117   | 49.80  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.60%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 89940    | 43.63  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.26%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 18) Methyl Acetate          | 2.78  | 43   | 3258     | 1.123  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 110904   | 24.443 | ug/l    | 97       |
| 67) Ethyl Benzene           | 10.26 | 91   | 6589     | 0.913  | ug/l    | 96       |
| 68) m/p-Xylenes             | 10.36 | 106  | 10379    | 3.870  | ug/l    | 94       |
| 80) 1,3,5-Trimethylbenzene  | 11.51 | 105  | 4130     | 0.828  | ug/l    | 99       |
| 84) 1,2,4-Trimethylbenzene  | 11.81 | 105  | 14167    | 2.811  | ug/l    | 99       |
| 95) Naphthalene             | 13.83 | 128  | 28983    | 4.666  | ug/l    | 99       |

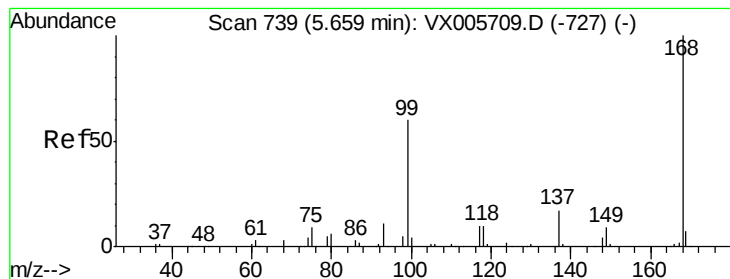
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX110118\  
Data File : VX005726.D  
Acq On : 01 Nov 2018 13:50  
Operator : JC/MD  
Sample : J5737-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-A

Quant Time: Nov 01 15:10:25 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X103118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 31 18:23:06 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005726.D

Acq: 01 Nov 2018 13:50

Instrument :

MSVOA\_X

ClientSampled :

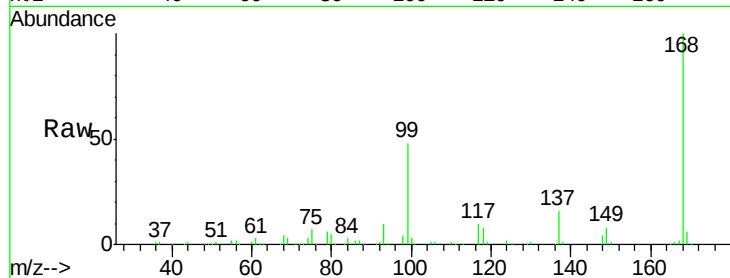
TP-A

Tgt Ion:168 Resp: 138305

Ion Ratio Lower Upper

168 100

99 48.5 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

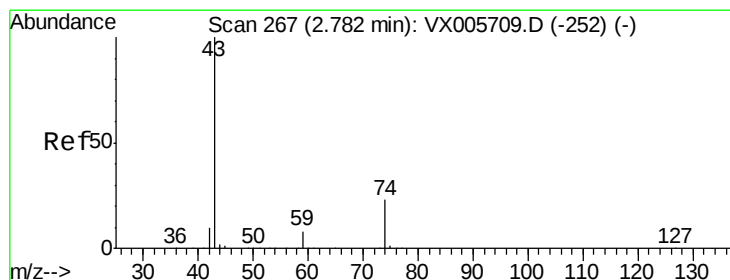
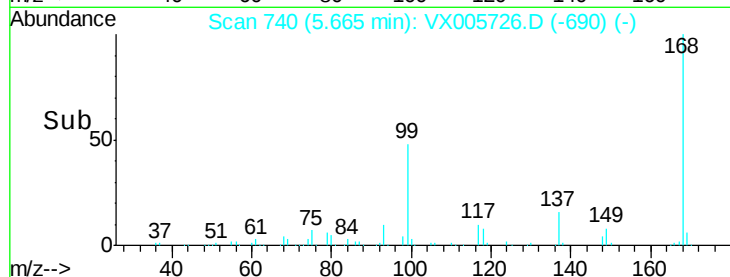
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#18

Methyl Acetate

Concen: 1.123 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005726.D

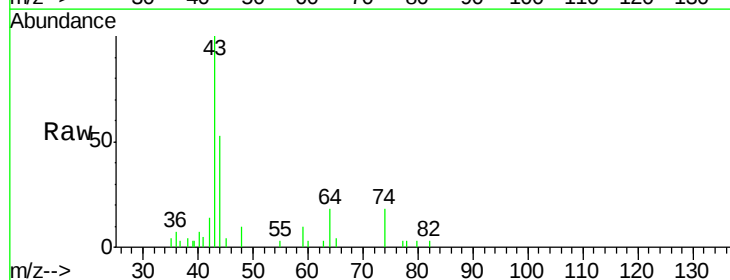
Acq: 01 Nov 2018 13:50

Tgt Ion: 43 Resp: 3258

Ion Ratio Lower Upper

43 100

74 23.6 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

2000

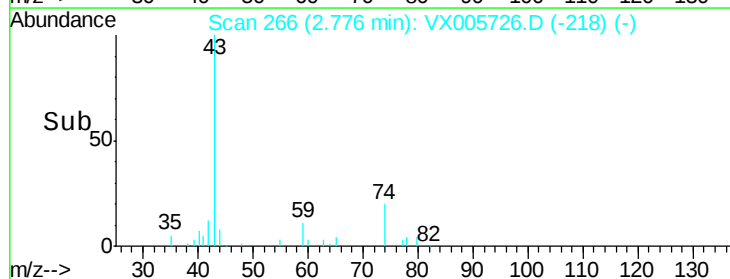
1500

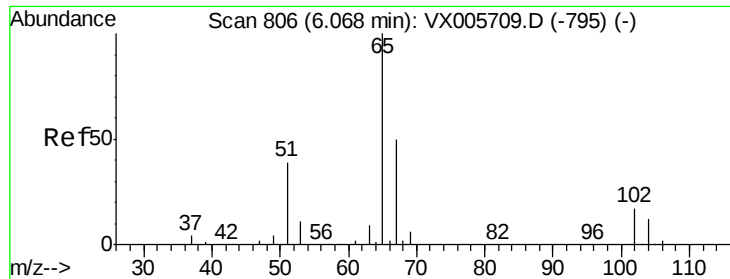
1000

500

0

Time--> 2.70 2.75 2.80 2.85

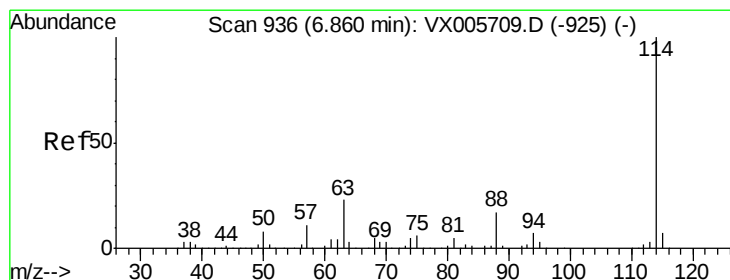
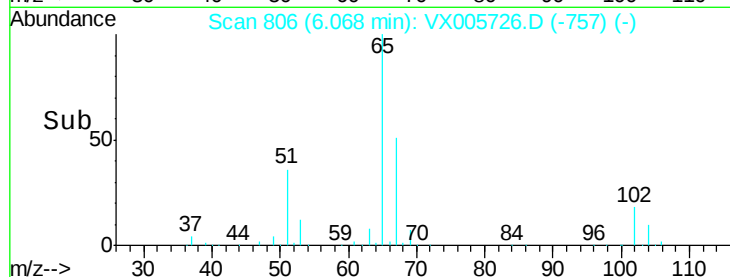
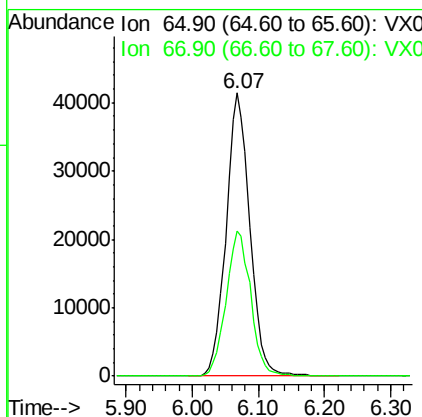
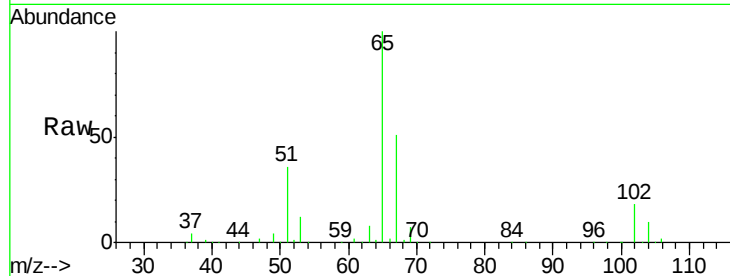




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.826 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX005726.D  
 Acq: 01 Nov 2018 13:50

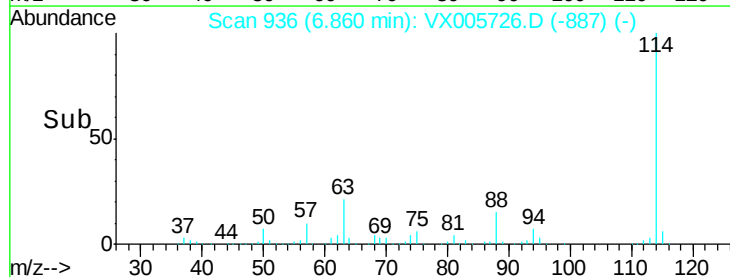
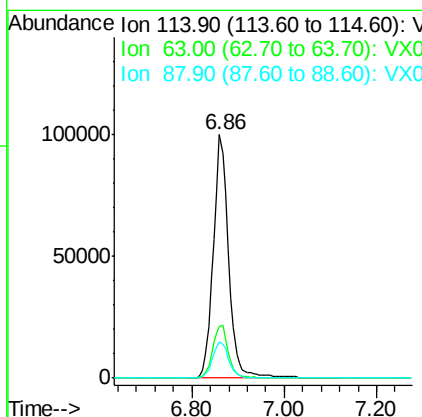
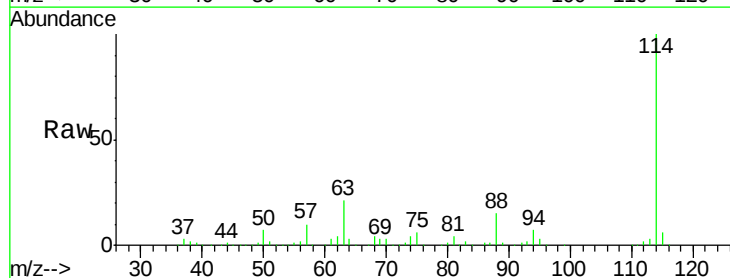
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-A

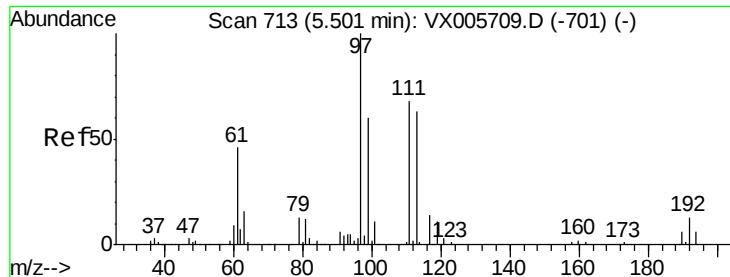
Tgt Ion: 65 Resp: 102772  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 105.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX005726.D  
 Acq: 01 Nov 2018 13:50

Tgt Ion: 114 Resp: 229983  
 Ion Ratio Lower Upper  
 114 100  
 63 21.2 0.0 42.8  
 88 14.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.382 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005726.D

Acq: 01 Nov 2018 13:50

Instrument :

MSVOA\_X

ClientSampleId :

TP-A

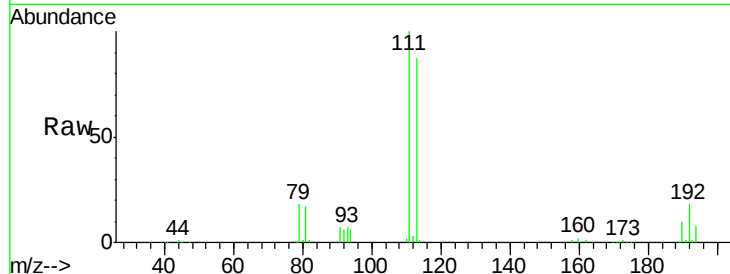
Tgt Ion:113 Resp: 73859

Ion Ratio Lower Upper

113 100

111 106.8 82.3 123.5

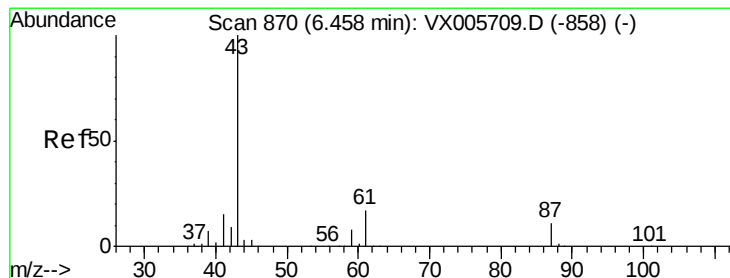
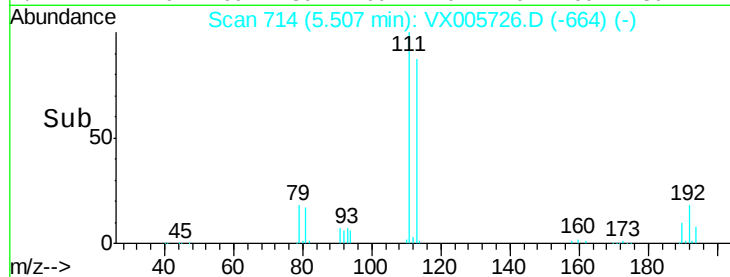
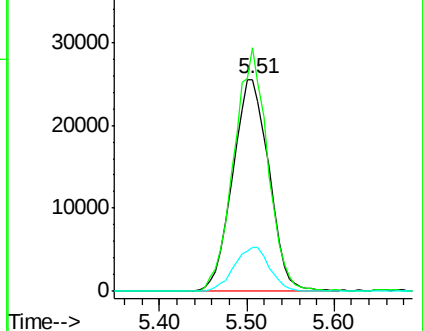
192 20.4 17.9 26.9



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



#43

Isopropyl Acetate

Concen: 24.443 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005726.D

Acq: 01 Nov 2018 13:50

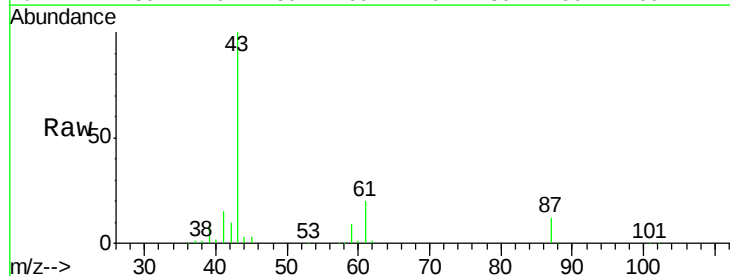
Tgt Ion: 43 Resp: 110904

Ion Ratio Lower Upper

43 100

61 19.8 14.6 22.0

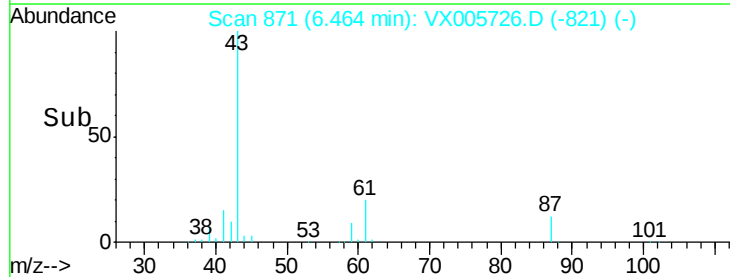
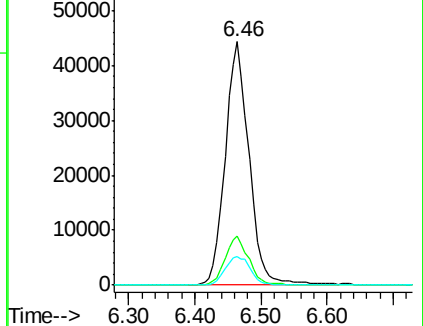
87 12.4 9.6 14.4

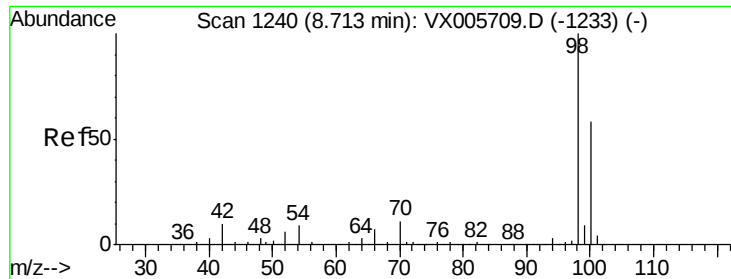


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

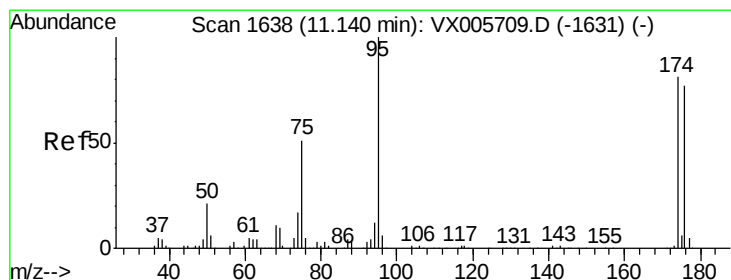
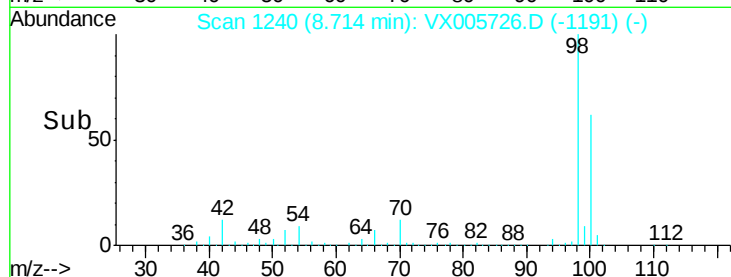
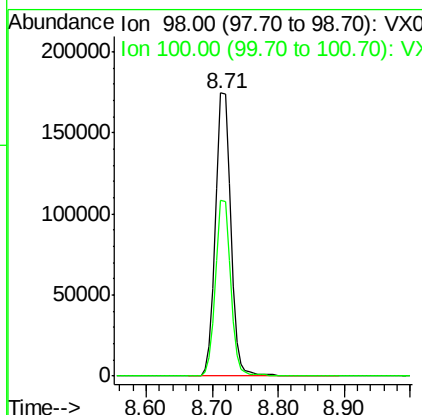
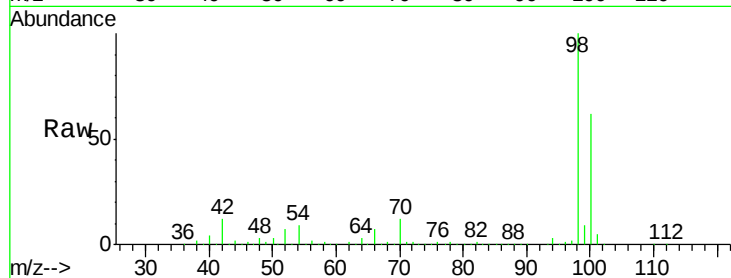




#50  
Toluene-d8  
Concen: 49.796 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. 0.00 min  
Lab File: VX005726.D  
Acq: 01 Nov 2018 13:50

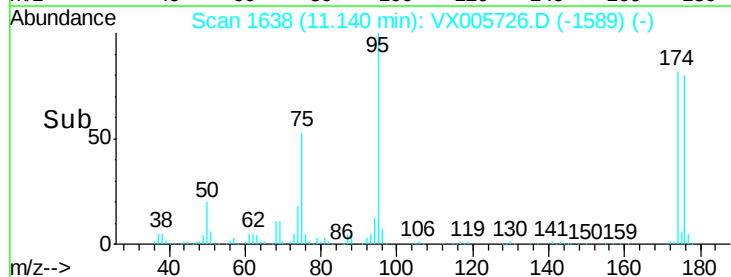
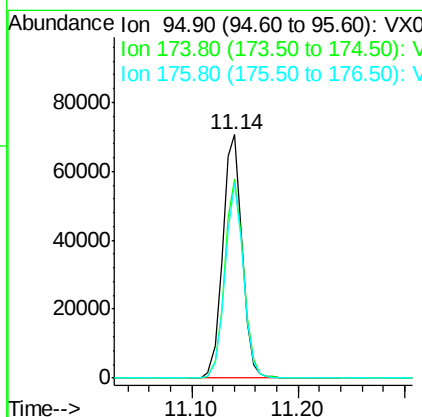
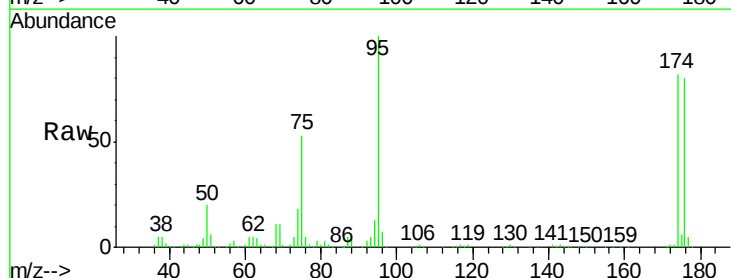
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-A

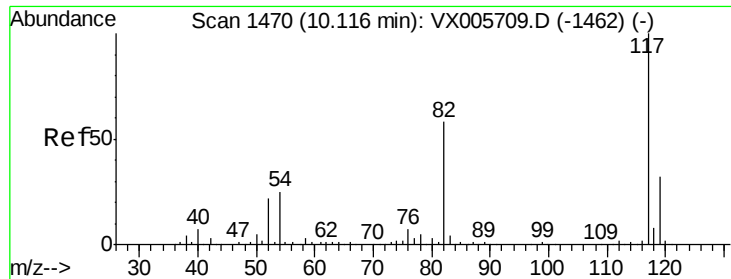
Tgt Ion: 98 Resp: 278117  
Ion Ratio Lower Upper  
98 100  
100 61.3 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 43.632 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. 0.00 min  
Lab File: VX005726.D  
Acq: 01 Nov 2018 13:50

Tgt Ion: 95 Resp: 89940  
Ion Ratio Lower Upper  
95 100  
174 80.3 0.0 184.4  
176 76.7 0.0 177.4

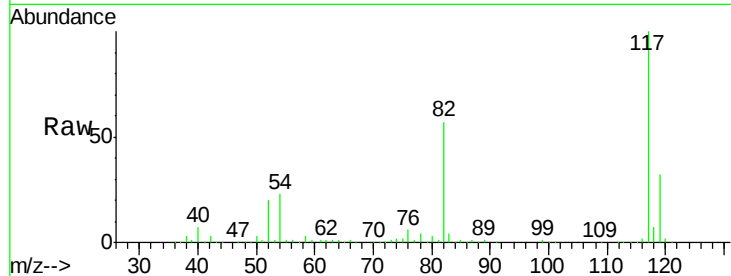




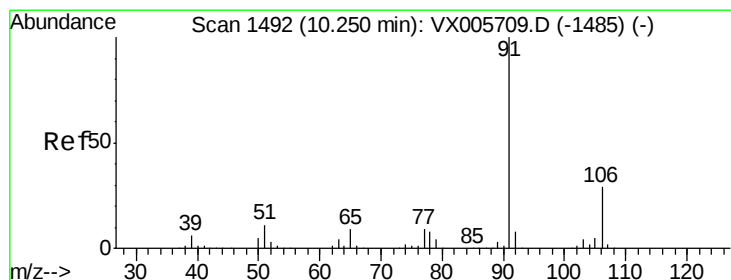
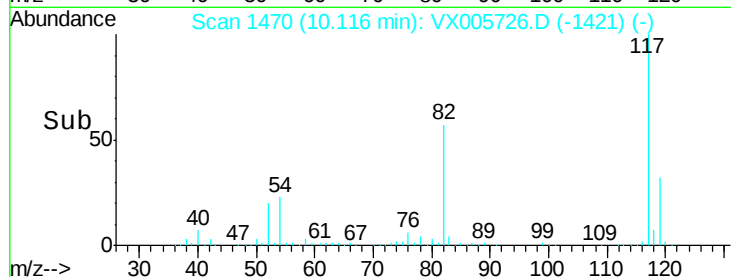
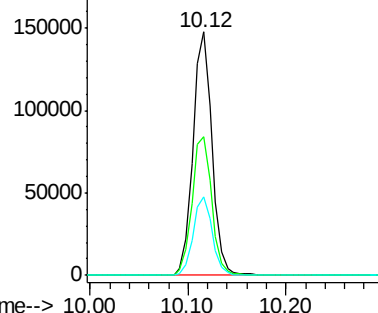
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX005726.D  
Acq: 01 Nov 2018 13:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-A

Tgt Ion: 117 Resp: 199018  
Ion Ratio Lower Upper  
117 100  
82 57.2 44.1 66.1  
119 32.0 26.2 39.2

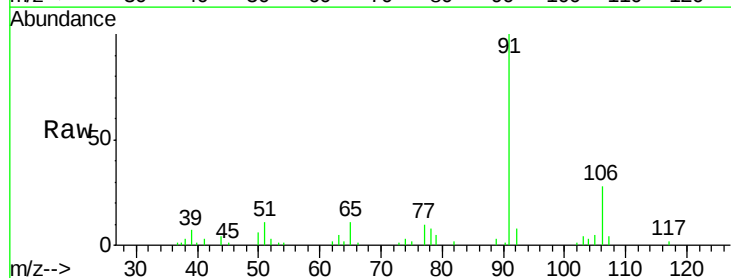


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

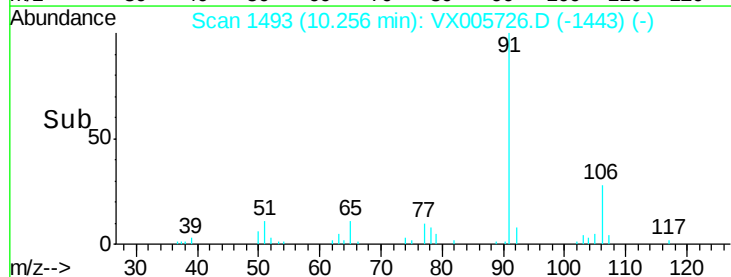
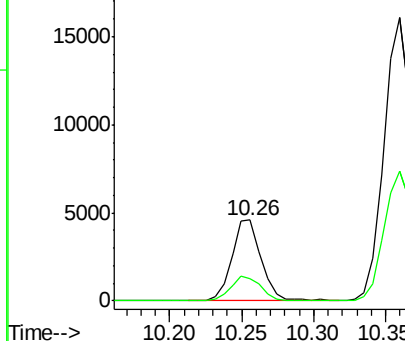


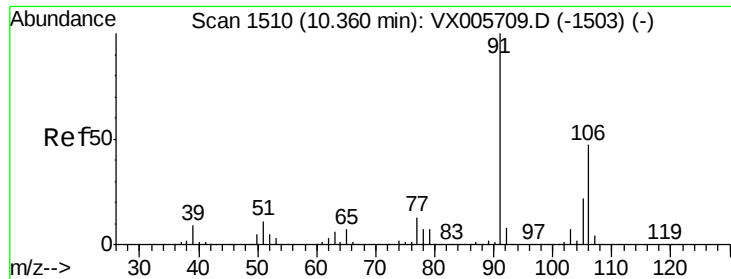
#67  
Ethyl Benzene  
Concen: 0.913 ug/l  
RT: 10.26 min Scan# 1493  
Delta R.T. 0.01 min  
Lab File: VX005726.D  
Acq: 01 Nov 2018 13:50

Tgt Ion: 91 Resp: 6589  
Ion Ratio Lower Upper  
91 100  
106 28.1 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0  
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 3.870 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005726.D

Acq: 01 Nov 2018 13:50

Instrument :

MSVOA\_X

ClientSampleId :

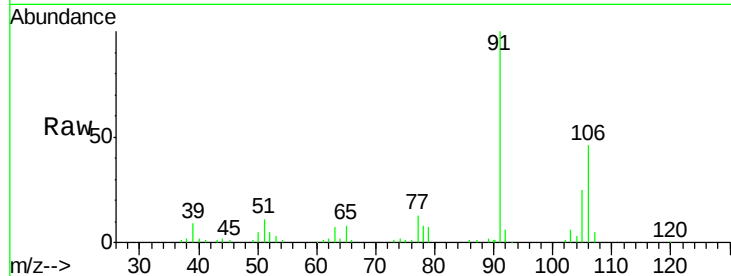
TP-A

Tgt Ion:106 Resp: 10379

Ion Ratio Lower Upper

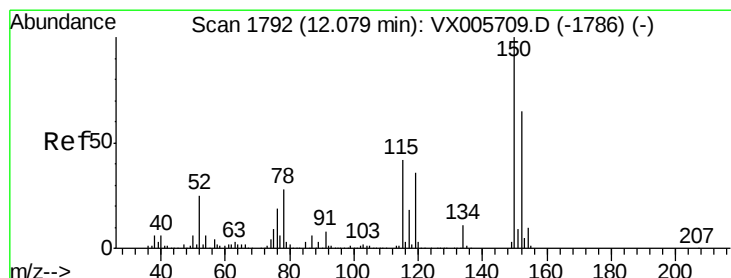
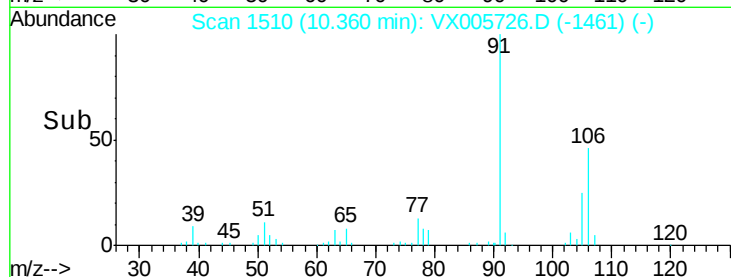
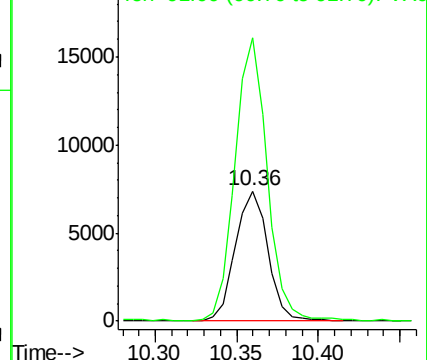
106 100

91 214.4 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005726.D

Acq: 01 Nov 2018 13:50

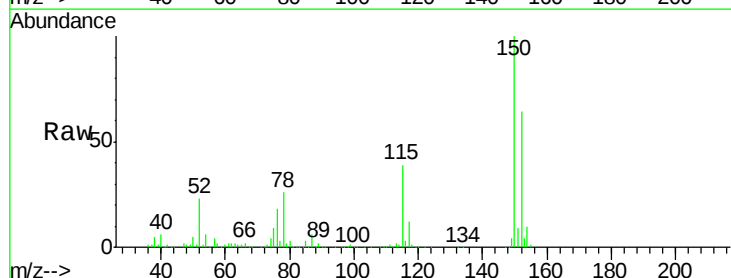
Tgt Ion:152 Resp: 89082

Ion Ratio Lower Upper

152 100

115 60.2 39.4 118.1

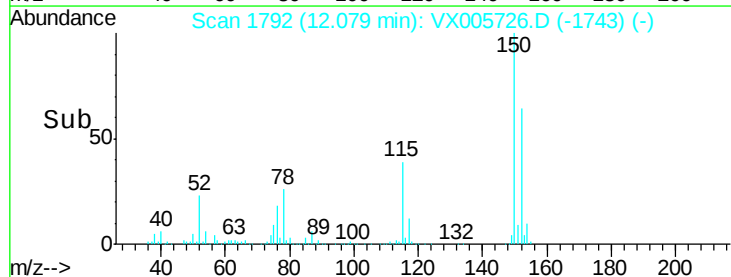
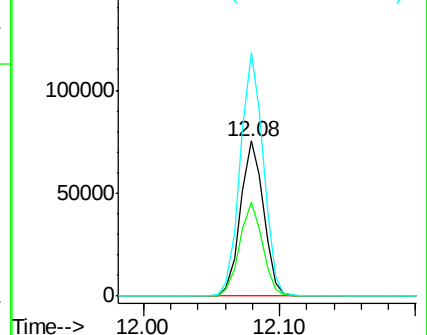
150 156.9 0.0 346.4

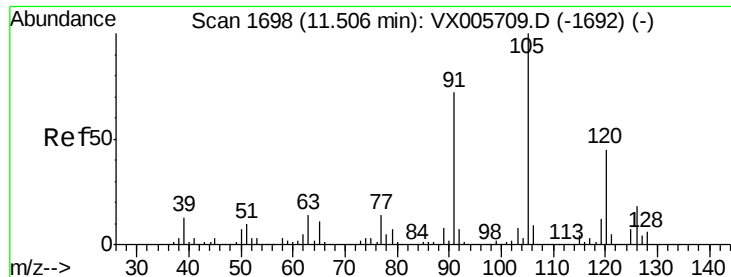


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.828 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005726.D

Acq: 01 Nov 2018 13:50

Instrument :

MSVOA\_X

ClientSampleId :

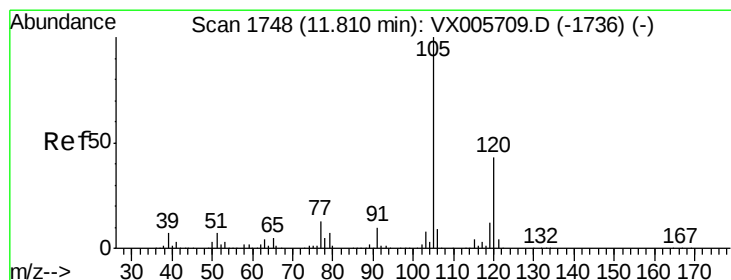
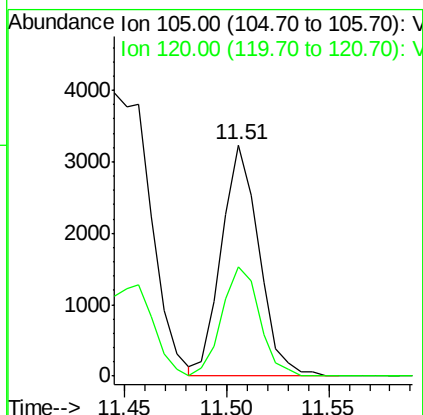
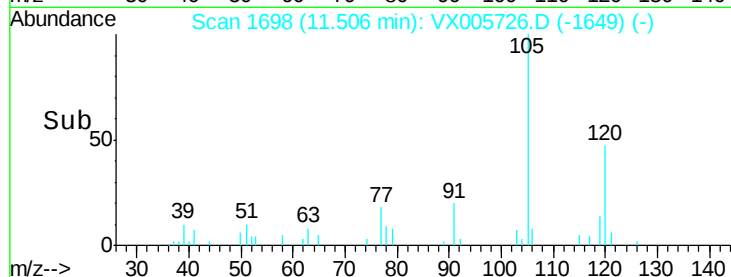
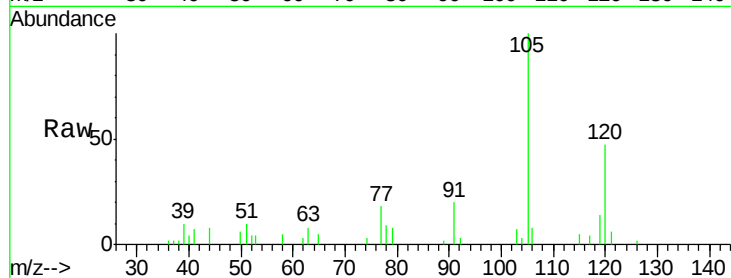
TP-A

Tgt Ion:105 Resp: 4130

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.2



#84

1,2,4-Trimethylbenzene

Concen: 2.811 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX005726.D

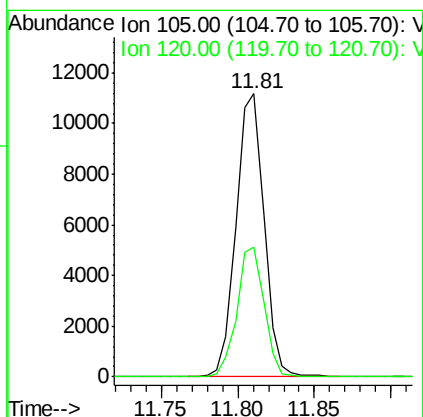
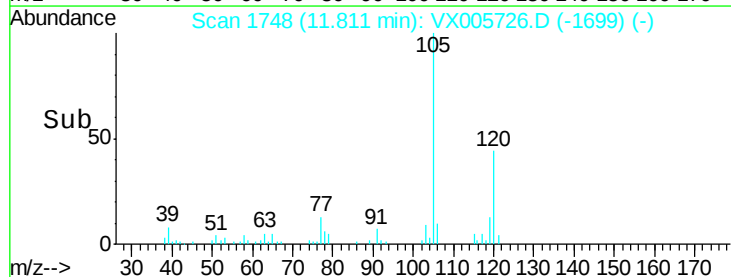
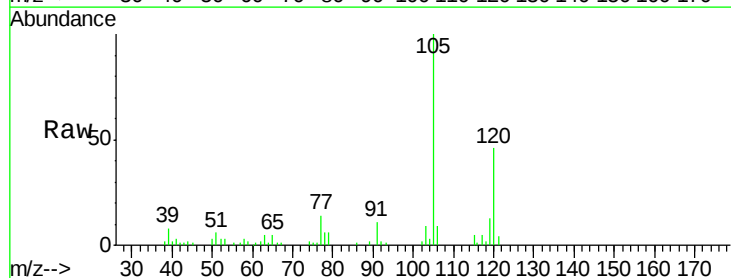
Acq: 01 Nov 2018 13:50

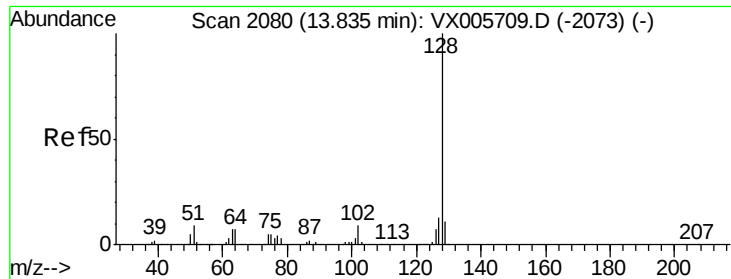
Tgt Ion:105 Resp: 14167

Ion Ratio Lower Upper

105 100

120 44.2 22.4 67.0

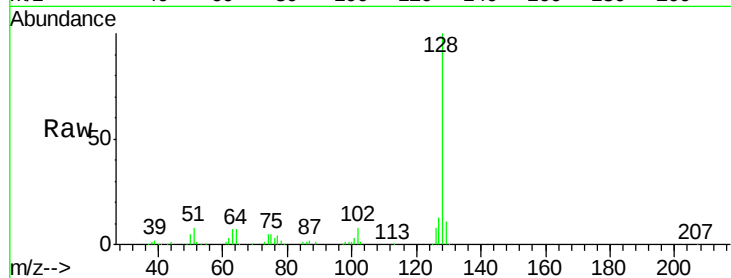




#95  
Naphthalene  
Concen: 4.666 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX005726.D  
Acq: 01 Nov 2018 13:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.7  | 10.4  | 15.6  |
| 129     | 11.1  | 8.7   | 13.1  |



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

