

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\  
 Data File : VX005504.D  
 Acq On : 23 Oct 2018 07:13  
 Operator : JC/MD  
 Sample : J5603-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104

Quant Time: Oct 23 08:17:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

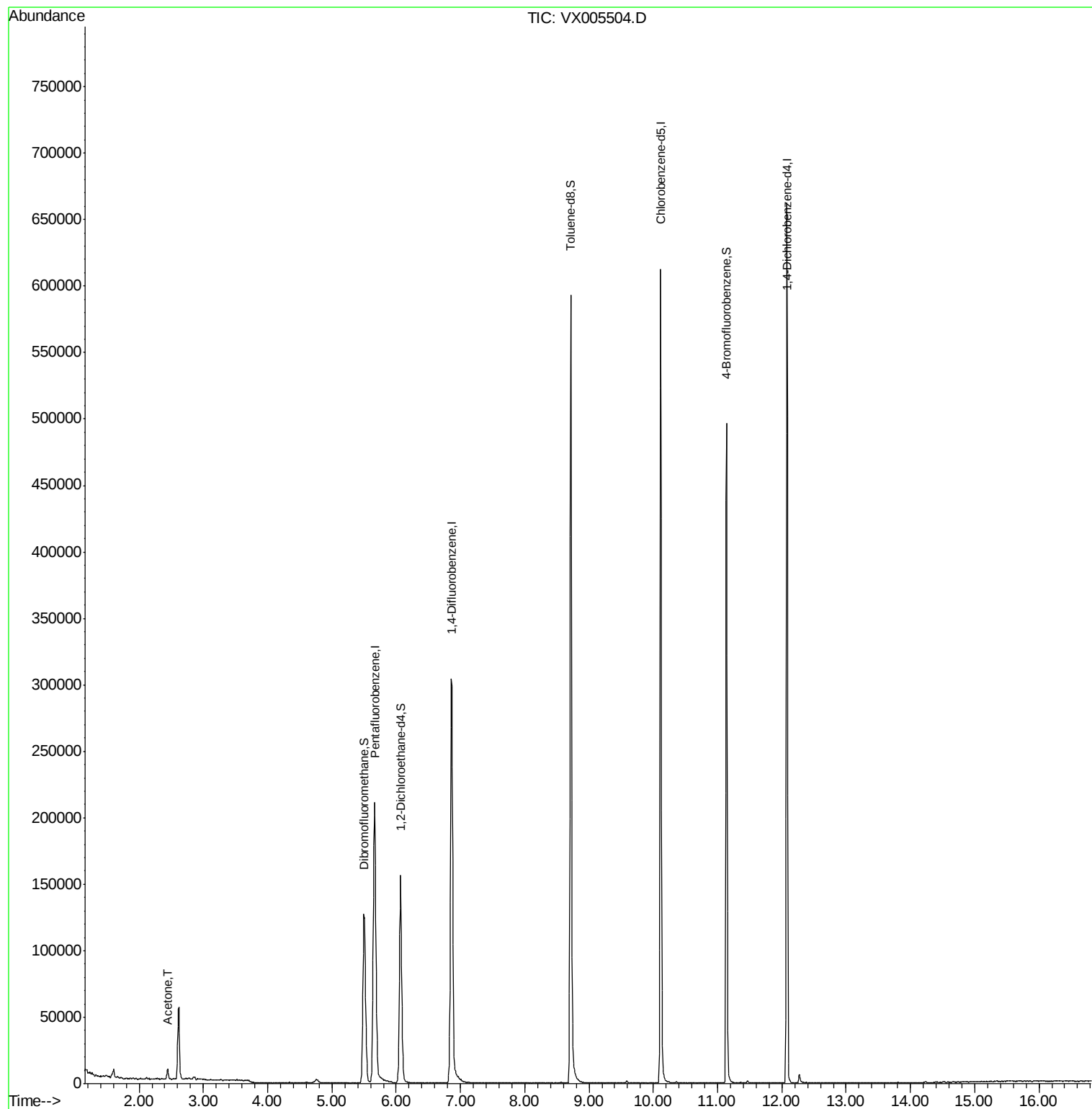
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 217833   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 310009   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 283865   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 135646   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 139971   | 57.90 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 115.80% |           |
| 35) Dibromofluoromethane    | 5.49  | 113  | 110323   | 53.73 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.46% |           |
| 50) Toluene-d8              | 8.71  | 98   | 379679   | 53.86 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.72% |           |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 122765   | 46.36 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.72%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 2.45  | 43   | 7850     | 5.616 | ug/l    | Qvalue 94 |

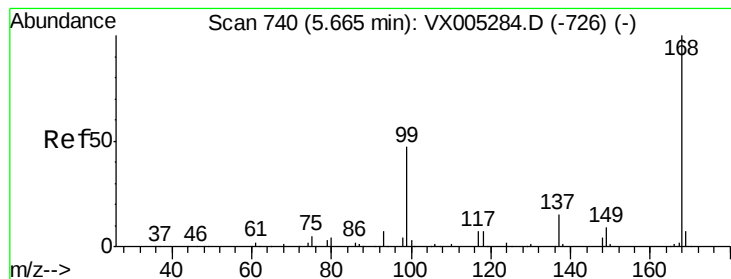
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005504.D

Acq: 23 Oct 2018 07:13

Instrument :

MSVOA\_X

ClientSampleId :

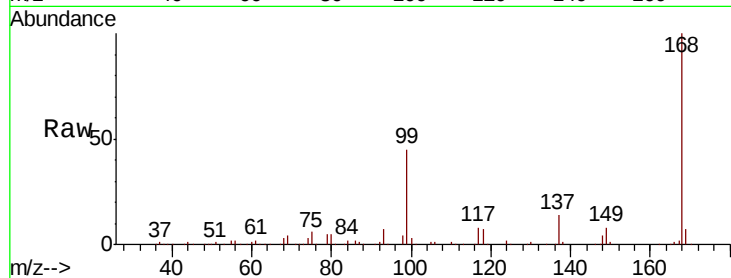
RAV-GT104

Tot Ion:168 Resp: 217833

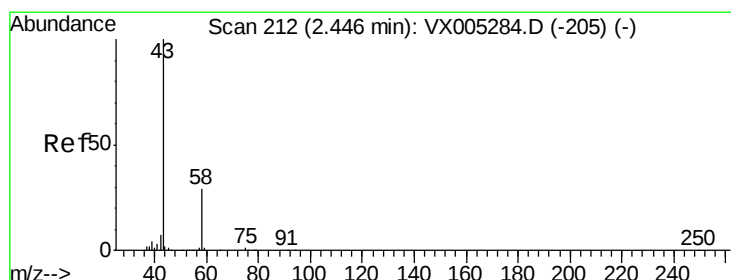
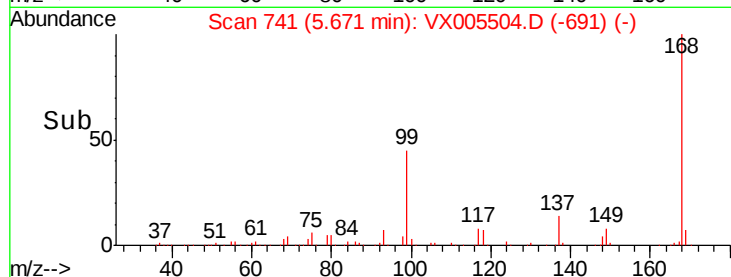
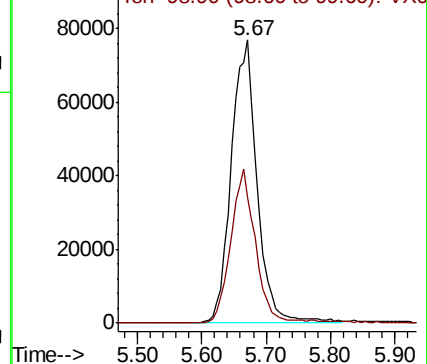
Ion Ratio Lower Upper

168 100

99 44.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX005504.D (-167) (-)



#16

Acetone

Concen: 5.616 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005504.D

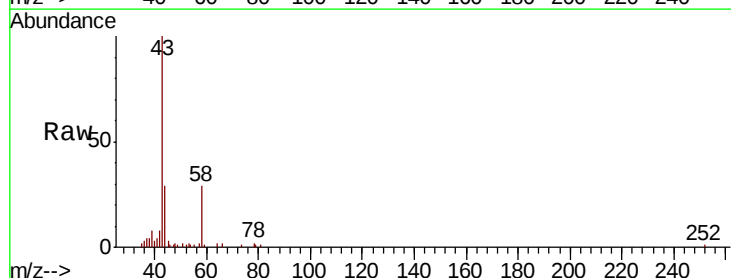
Acq: 23 Oct 2018 07:13

Tgt Ion: 43 Resp: 7850

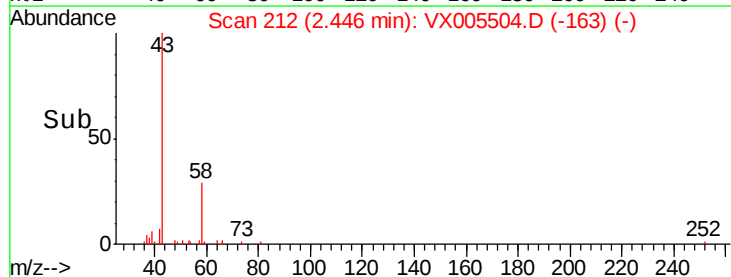
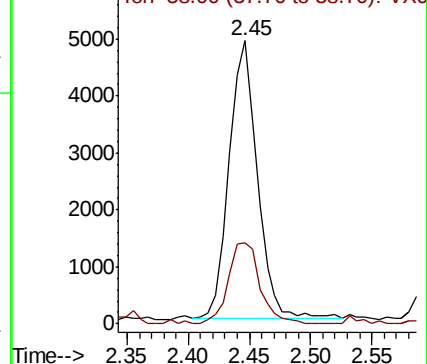
Ion Ratio Lower Upper

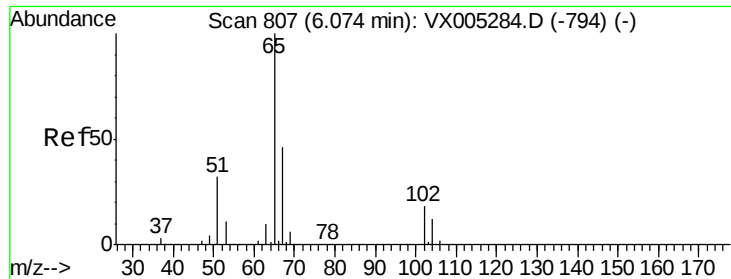
43 100

58 29.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX005504.D (-43) (-)





#33

1,2-Dichloroethane-d4

Concen: 57.896 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

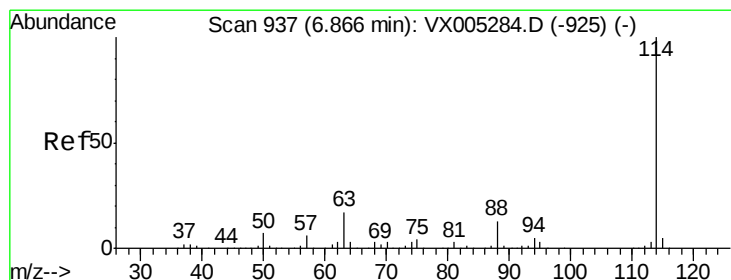
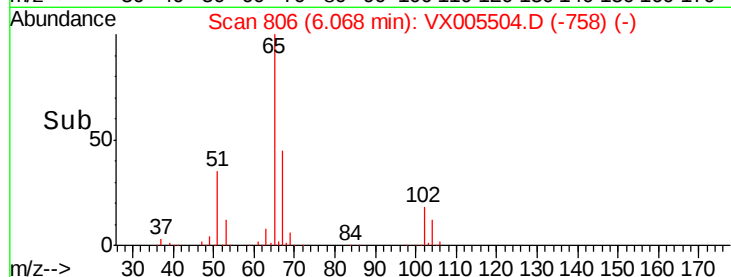
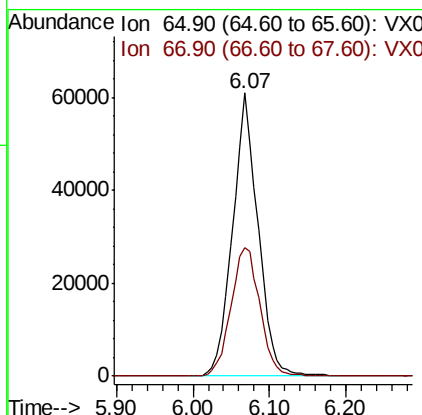
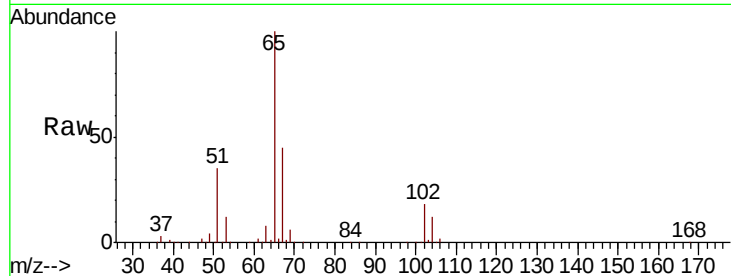
Lab File: VX005504.D

Acq: 23 Oct 2018 07:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
RAV-GT104

Tot Ion: 65 Resp: 139971

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 52.0  | 0.0   | 106.8 |



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

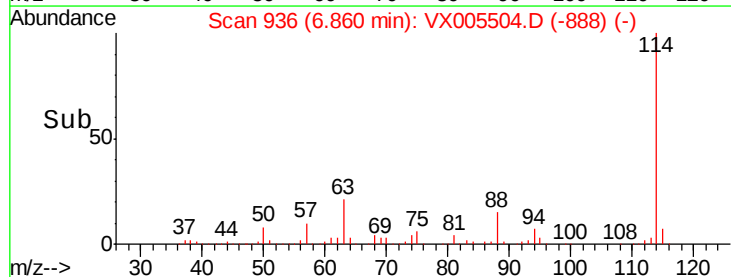
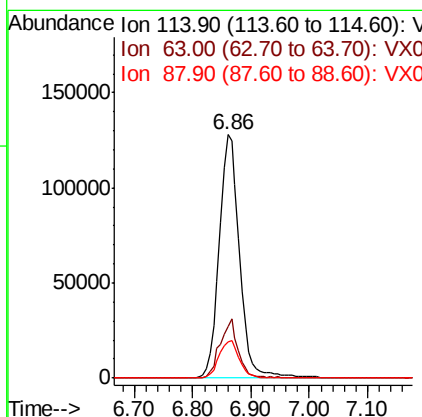
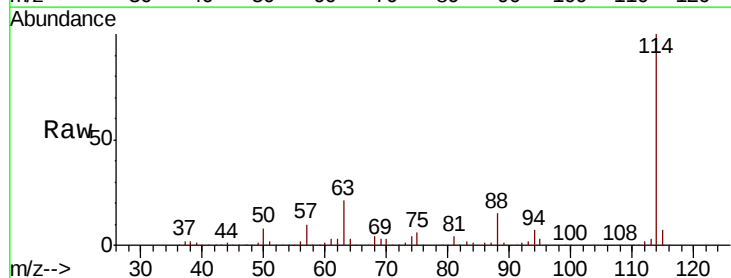
Delta R.T. -0.01 min

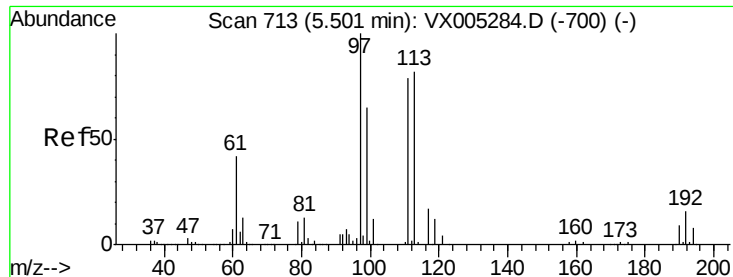
Lab File: VX005504.D

Acq: 23 Oct 2018 07:13

Tgt Ion: 114 Resp: 310009

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.0  | 0.0   | 39.0  |
| 88  | 15.2  | 0.0   | 30.4  |

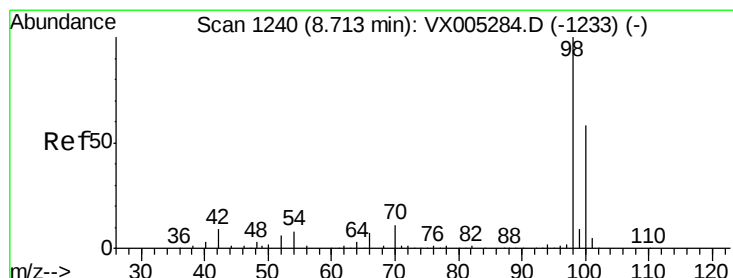
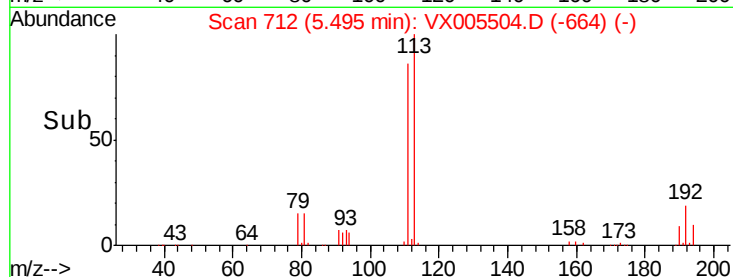
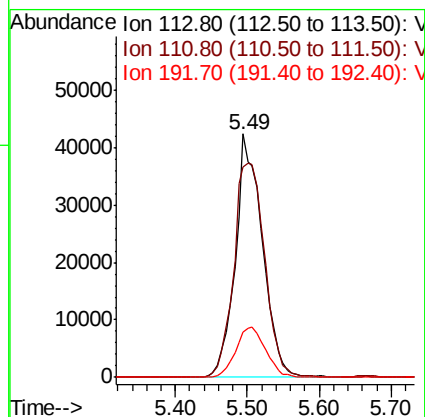
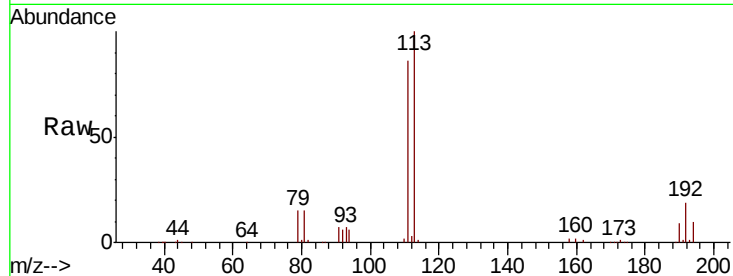




#35  
 Dibromofluoromethane  
 Concen: 53.730 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. -0.01 min  
 Lab File: VX005504.D  
 Acq: 23 Oct 2018 07:13

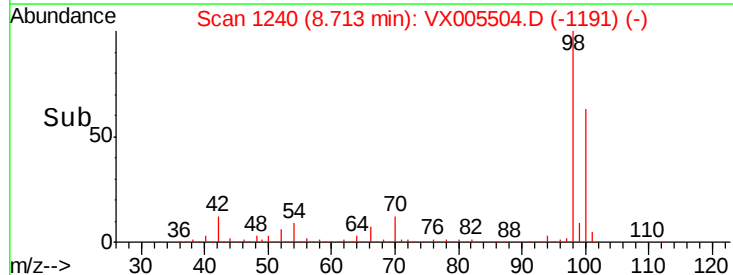
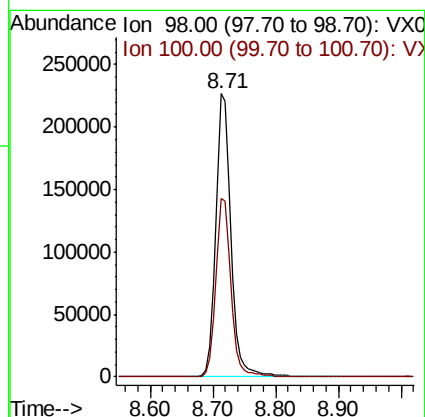
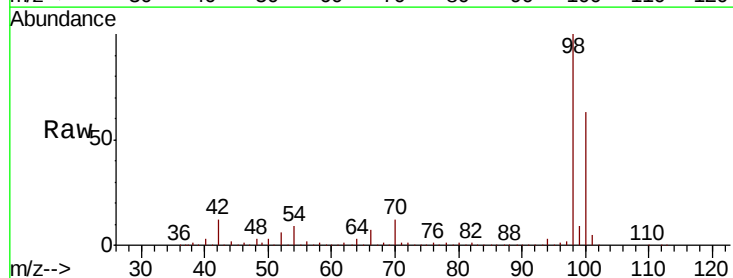
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 RAV-GT104

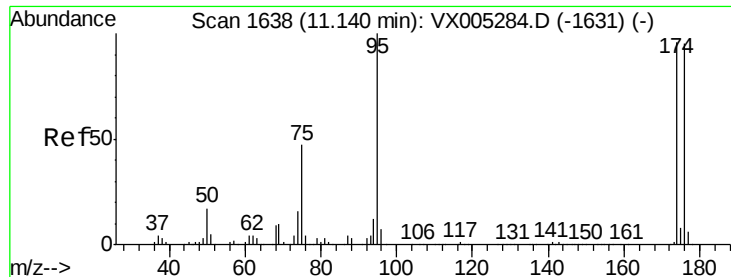
Tot Ion:113 Resp: 110323  
 Ion Ratio Lower Upper  
 113 100  
 111 101.0 82.4 123.6  
 192 22.6 19.4 29.2



#50  
 Toluene-d8  
 Concen: 53.863 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX005504.D  
 Acq: 23 Oct 2018 07:13

Tgt Ion: 98 Resp: 379679  
 Ion Ratio Lower Upper  
 98 100  
 100 63.2 52.9 79.3

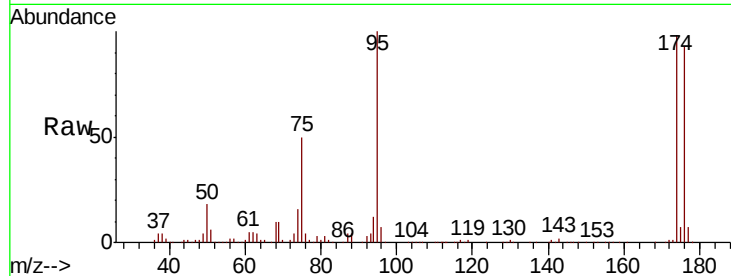




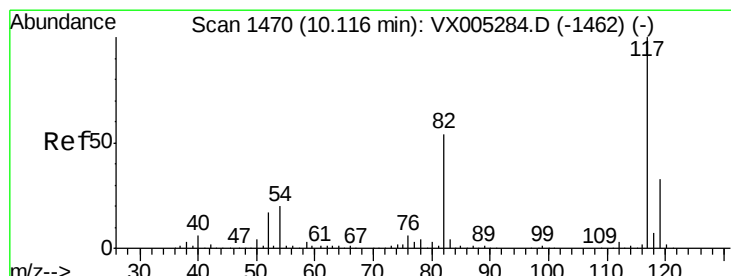
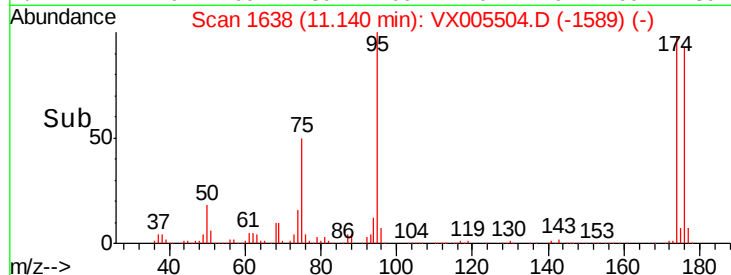
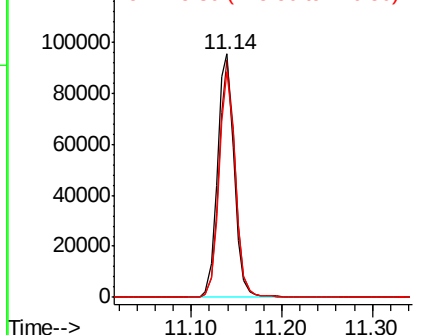
#62  
 4-Bromofluorobenzene  
 Concen: 46.360 ug/l  
 RT: 11.14 min Scan# 1638  
 Delta R.T. 0.00 min  
 Lab File: VX005504.D  
 Acq: 23 Oct 2018 07:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104

Tot Ion: 95 Resp: 122765  
 Ion Ratio Lower Upper  
 95 100  
 174 94.7 0.0 185.2  
 176 90.6 0.0 178.6

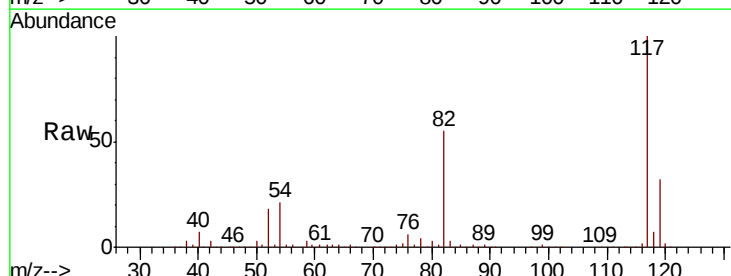


Abundance Ion 94.90 (94.60 to 95.60): VX0  
 Ion 173.80 (173.50 to 174.50): V  
 Ion 175.80 (175.50 to 176.50): V

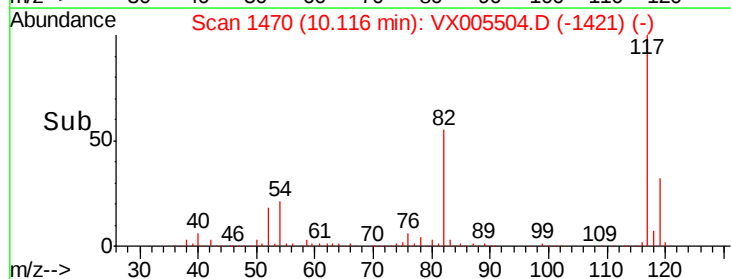
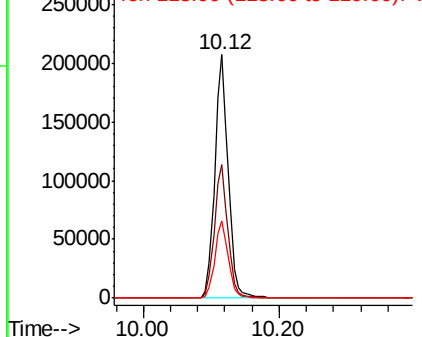


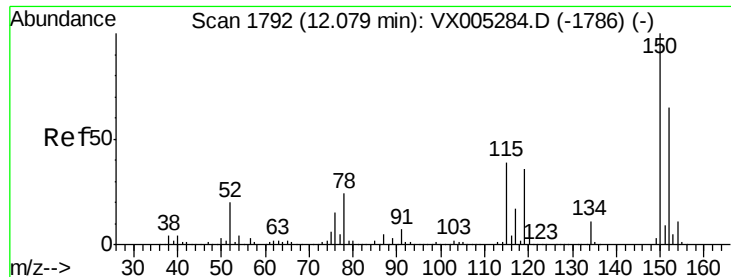
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 10.12 min Scan# 1470  
 Delta R.T. 0.00 min  
 Lab File: VX005504.D  
 Acq: 23 Oct 2018 07:13

Tgt Ion: 117 Resp: 283865  
 Ion Ratio Lower Upper  
 117 100  
 82 54.7 47.8 71.6  
 119 31.7 29.3 43.9



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





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX005504.D  
 Acq: 23 Oct 2018 07:13

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RAV-GT104

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.0  | 39.0  | 117.0 |
| 150     | 157.0 | 0.0   | 351.0 |

