

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX121418\  
 Data File : VX006524.D  
 Acq On : 14 Dec 2018 18:18  
 Operator : JC/MD  
 Sample : J6396-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-15E\_R1

Quant Time: Dec 15 05:27:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 30 03:55:33 2018  
 Response via : Initial Calibration

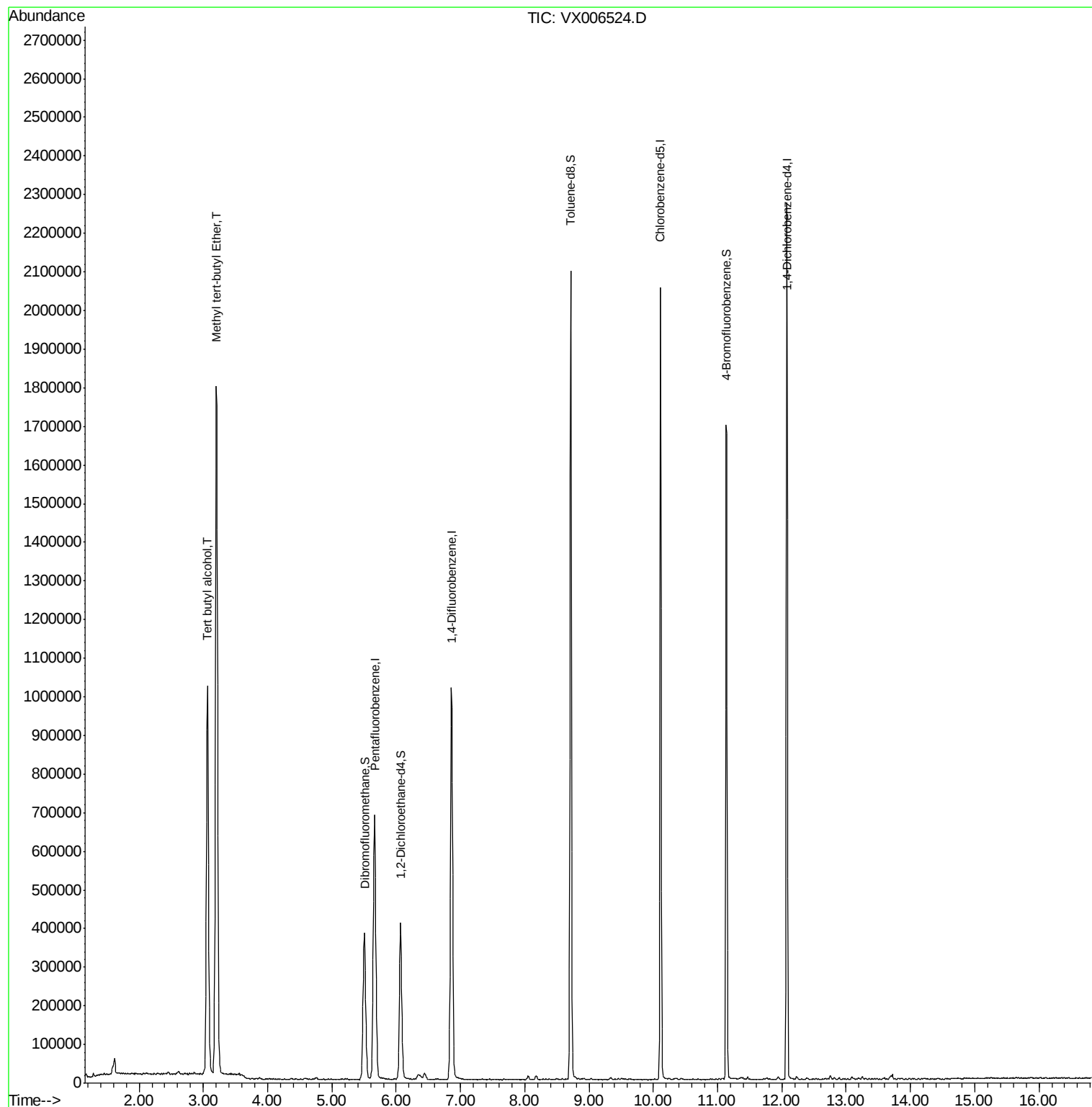
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|---------|---------|------------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 689696   | 50.00   | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 1105762  | 50.00   | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 1012122  | 50.00   | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 474813   | 50.00   | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |         |         |            |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 380745   | 54.08   | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =       | 108.16% |            |
| 35) Dibromofluoromethane    | 5.51  | 113  | 326666   | 45.63   | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =       | 91.26%  |            |
| 50) Toluene-d8              | 8.71  | 98   | 1305741  | 50.14   | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =       | 100.28% |            |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 476338   | 48.54   | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =       | 97.08%  |            |
| Target Compounds            |       |      |          |         |         |            |
| 11) Tert butyl alcohol      | 3.06  | 59   | 1291162  | 670.570 | ug/l    | Qvalue 100 |
| 19) Methyl tert-butyl Ether | 3.20  | 73   | 2077387  | 93.310  | ug/l    | 98         |

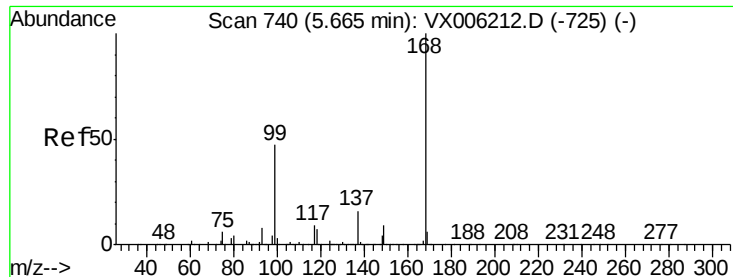
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_X\DATA\VX121418\  
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ClientSampleId :  
MW-15E\_R1

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112918W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 30 03:55:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

Instrument :

MSVOA\_X

ClientSampled :

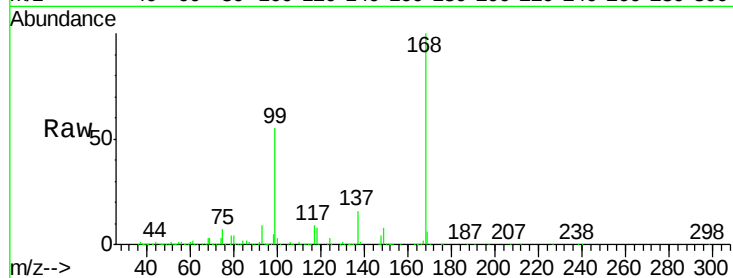
MW-15E\_R1

Tgt Ion:168 Resp: 689696

Ion Ratio Lower Upper

168 100

99 54.7 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

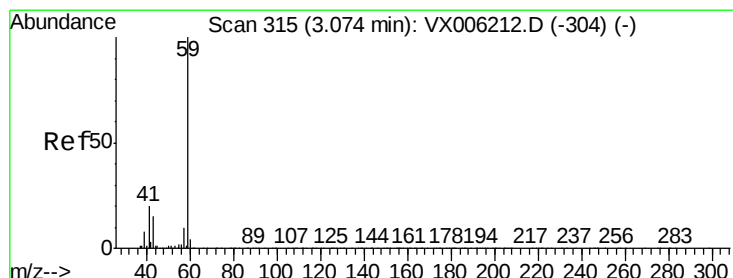
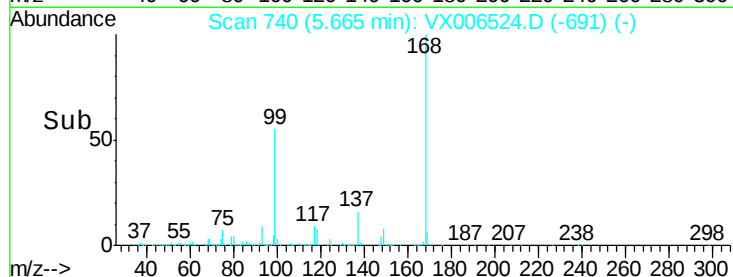
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 670.570 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX006524.D

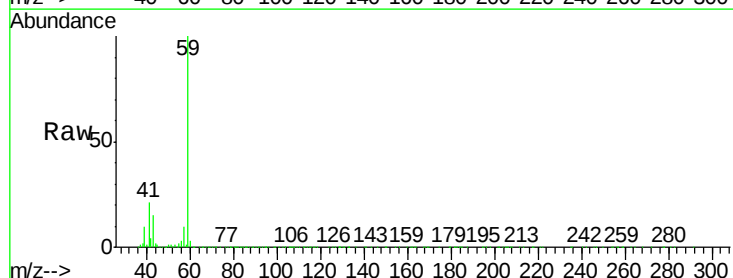
Acq: 14 Dec 2018 18:18

Tgt Ion: 59 Resp: 1291162

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

600000

500000

400000

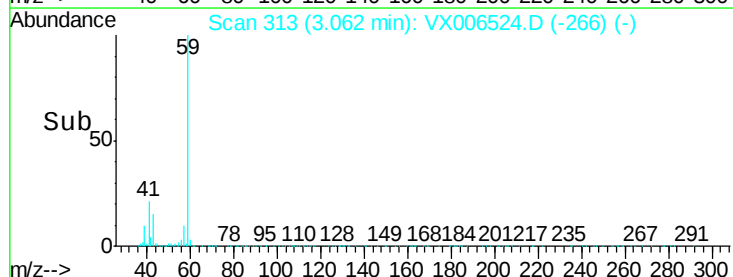
300000

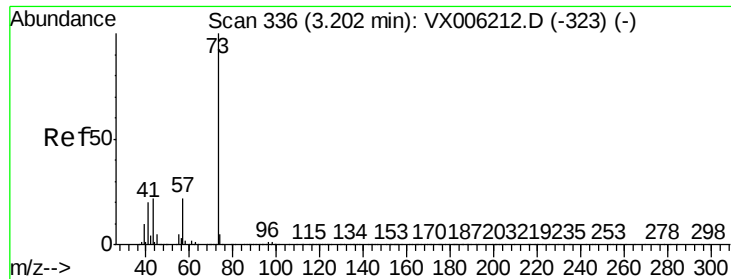
200000

100000

0

Time--> 2.90 3.00 3.10 3.20

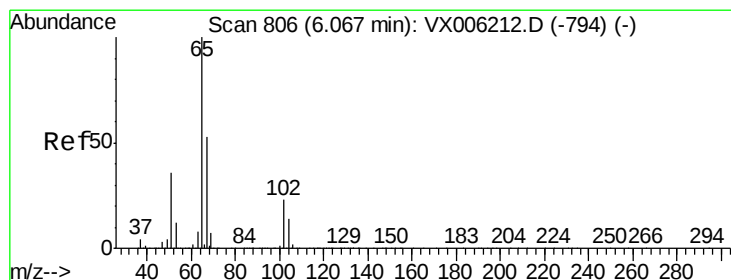
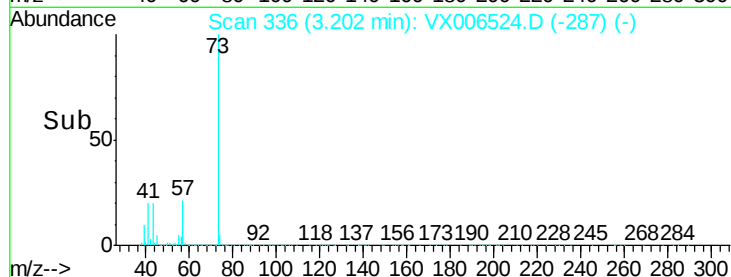
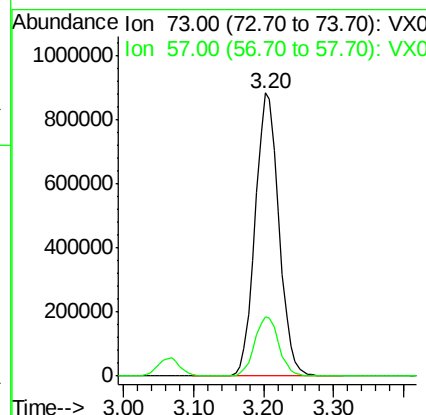
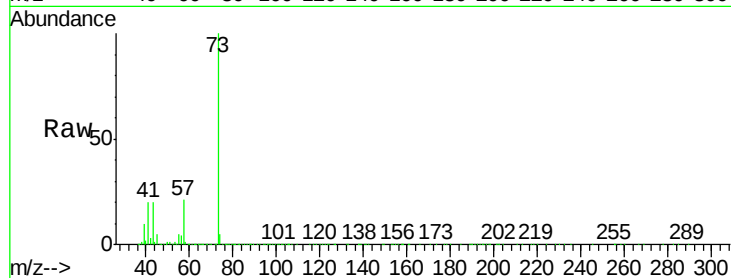




#19  
Methyl tert-butyl Ether  
Concen: 93.310 ug/l  
RT: 3.20 min Scan# 336  
Delta R.T. 0.00 min  
Lab File: VX006524.D  
Acq: 14 Dec 2018 18:18

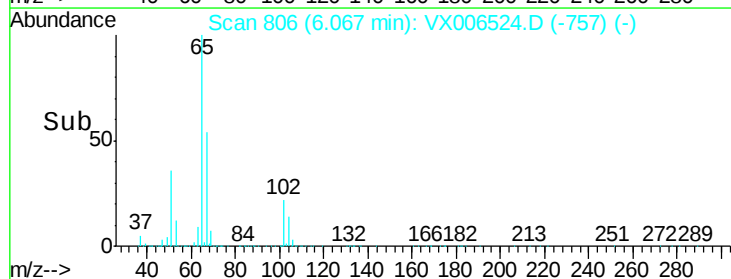
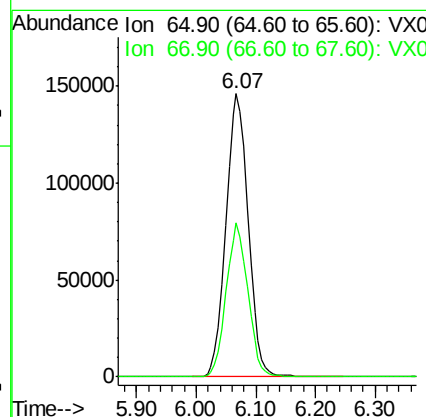
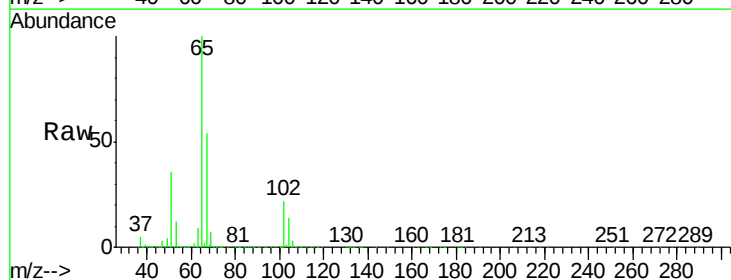
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-15E\_R1

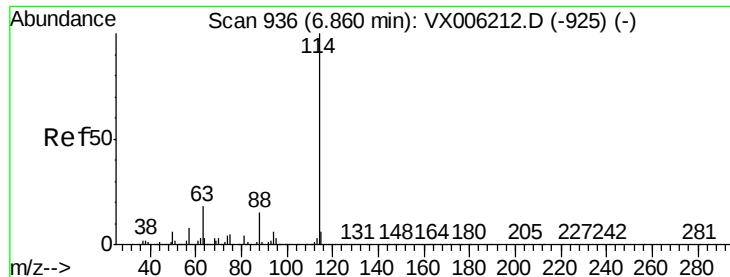
Tgt Ion: 73 Resp: 2077387  
Ion Ratio Lower Upper  
73 100  
57 21.1 17.5 26.3



#33  
1,2-Dichloroethane-d4  
Concen: 54.078 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. 0.00 min  
Lab File: VX006524.D  
Acq: 14 Dec 2018 18:18

Tgt Ion: 65 Resp: 380745  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

Instrument :

MSVOA\_X

ClientSampleId :

MW-15E\_R1

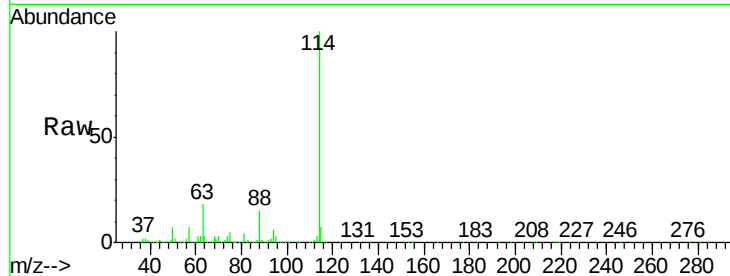
Tgt Ion:114 Resp: 1105762

Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.6

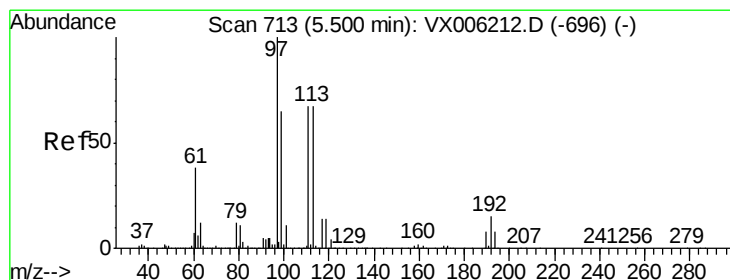
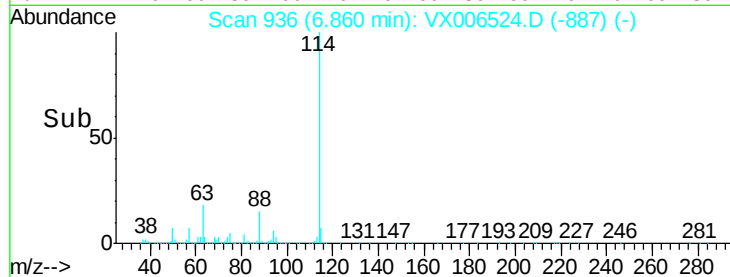
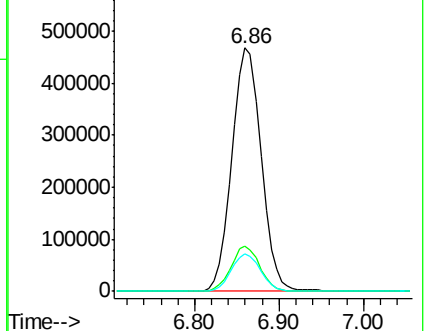
88 15.2 0.0 29.0



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: 45.628 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

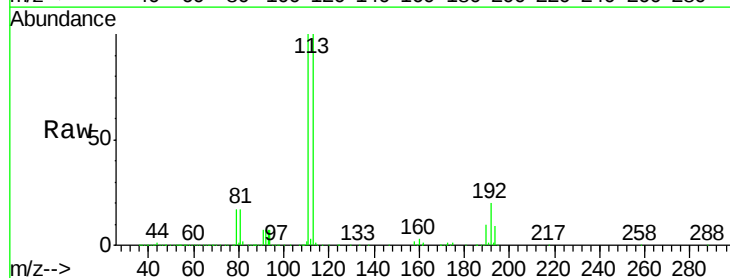
Tgt Ion:113 Resp: 326666

Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

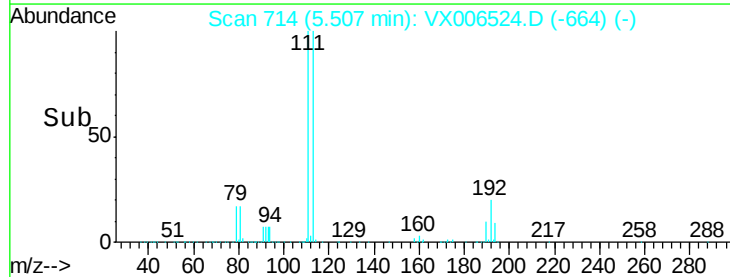
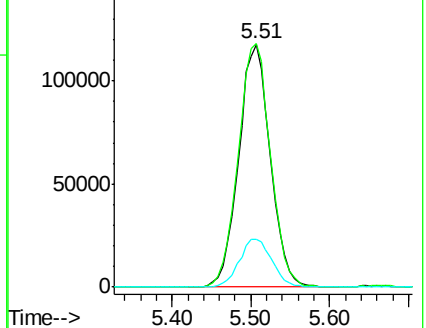
192 20.6 18.2 27.2

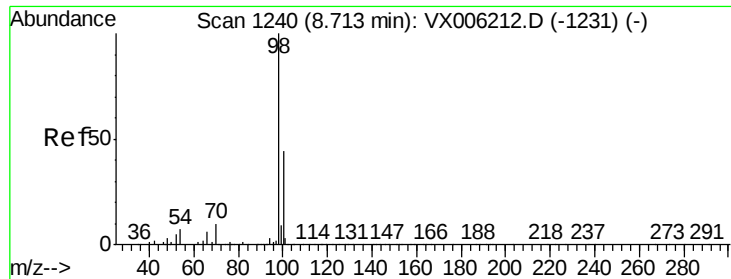


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.140 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

Instrument :

MSVOA\_X

ClientSampleId :

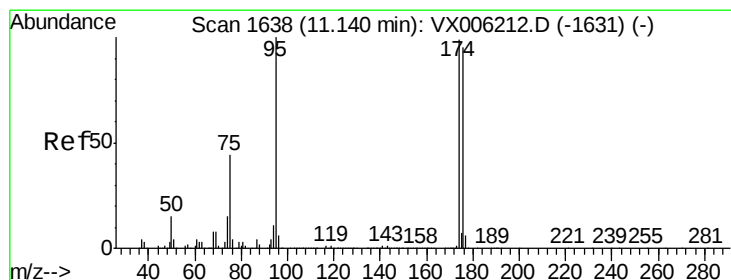
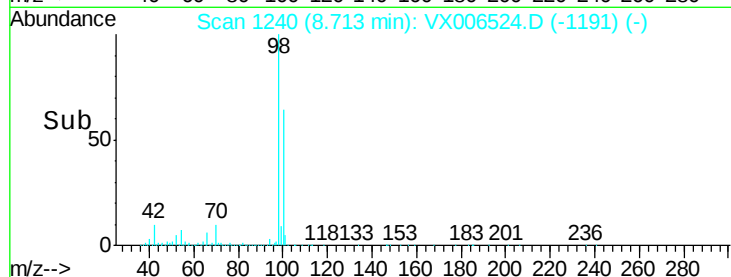
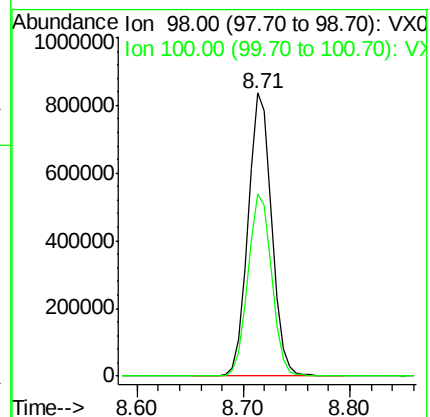
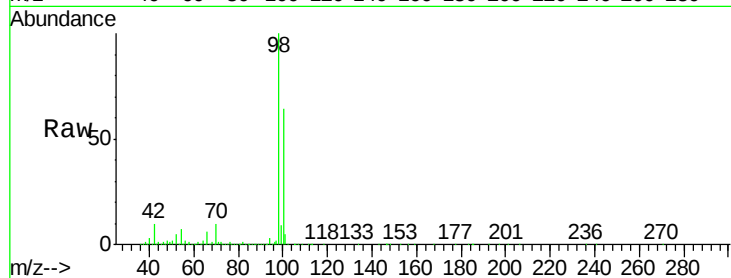
MW-15E\_R1

Tgt Ion: 98 Resp: 1305741

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.540 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006524.D

Acq: 14 Dec 2018 18:18

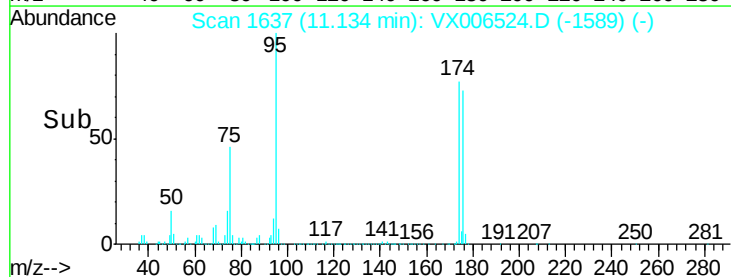
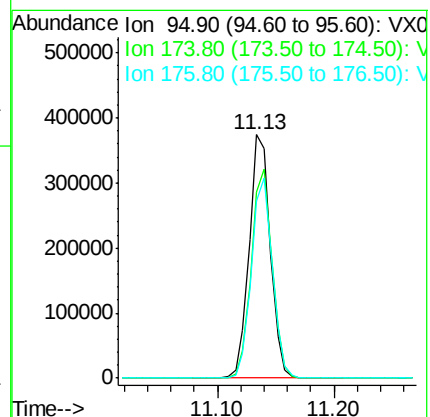
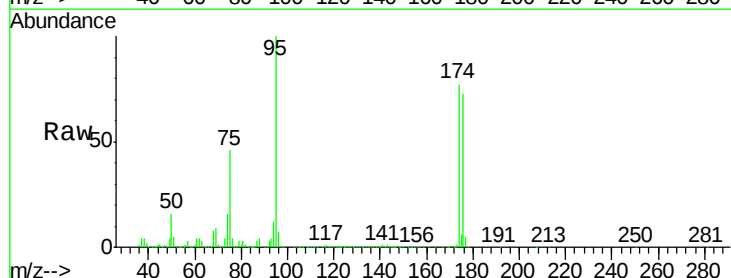
Tgt Ion: 95 Resp: 476338

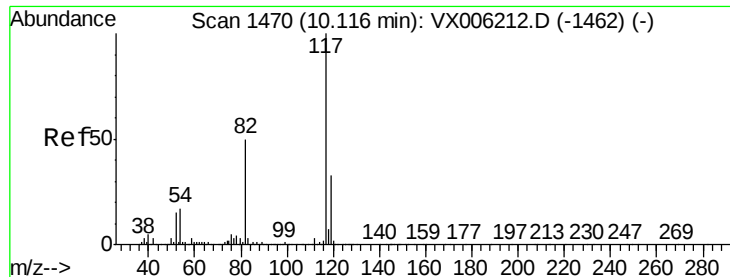
Ion Ratio Lower Upper

95 100

174 84.9 0.0 187.0

176 82.0 0.0 181.8

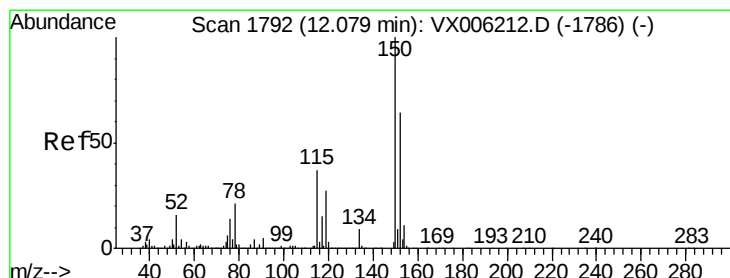
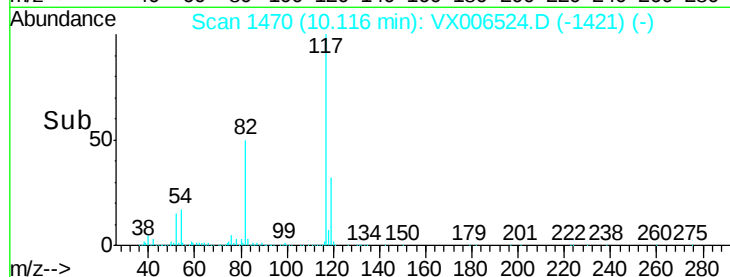
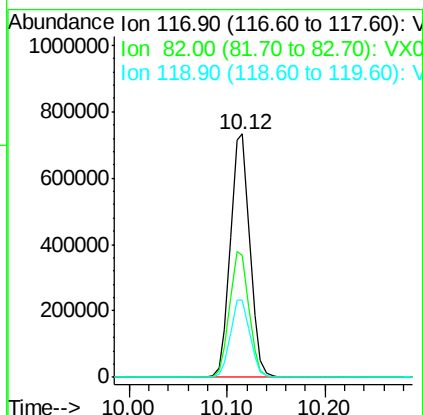
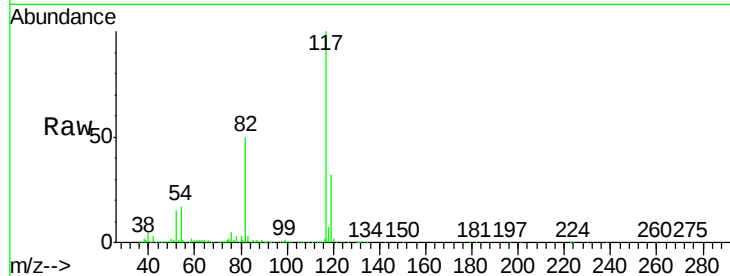




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX006524.D  
Acq: 14 Dec 2018 18:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-15E\_R1

Tgt Ion:117 Resp: 1012122  
Ion Ratio Lower Upper  
117 100  
82 50.3 39.6 59.4  
119 31.9 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX006524.D  
Acq: 14 Dec 2018 18:18

Tgt Ion:152 Resp: 474813  
Ion Ratio Lower Upper  
152 100  
115 57.6 39.0 116.9  
150 157.1 0.0 345.8

