

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121118\  
 Data File : VX006428.D  
 Acq On : 11 Dec 2018 18:38  
 Operator : JC/MD  
 Sample : J6324-04DL 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE-103D2-20181205DL

Quant Time: Dec 12 05:54:47 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

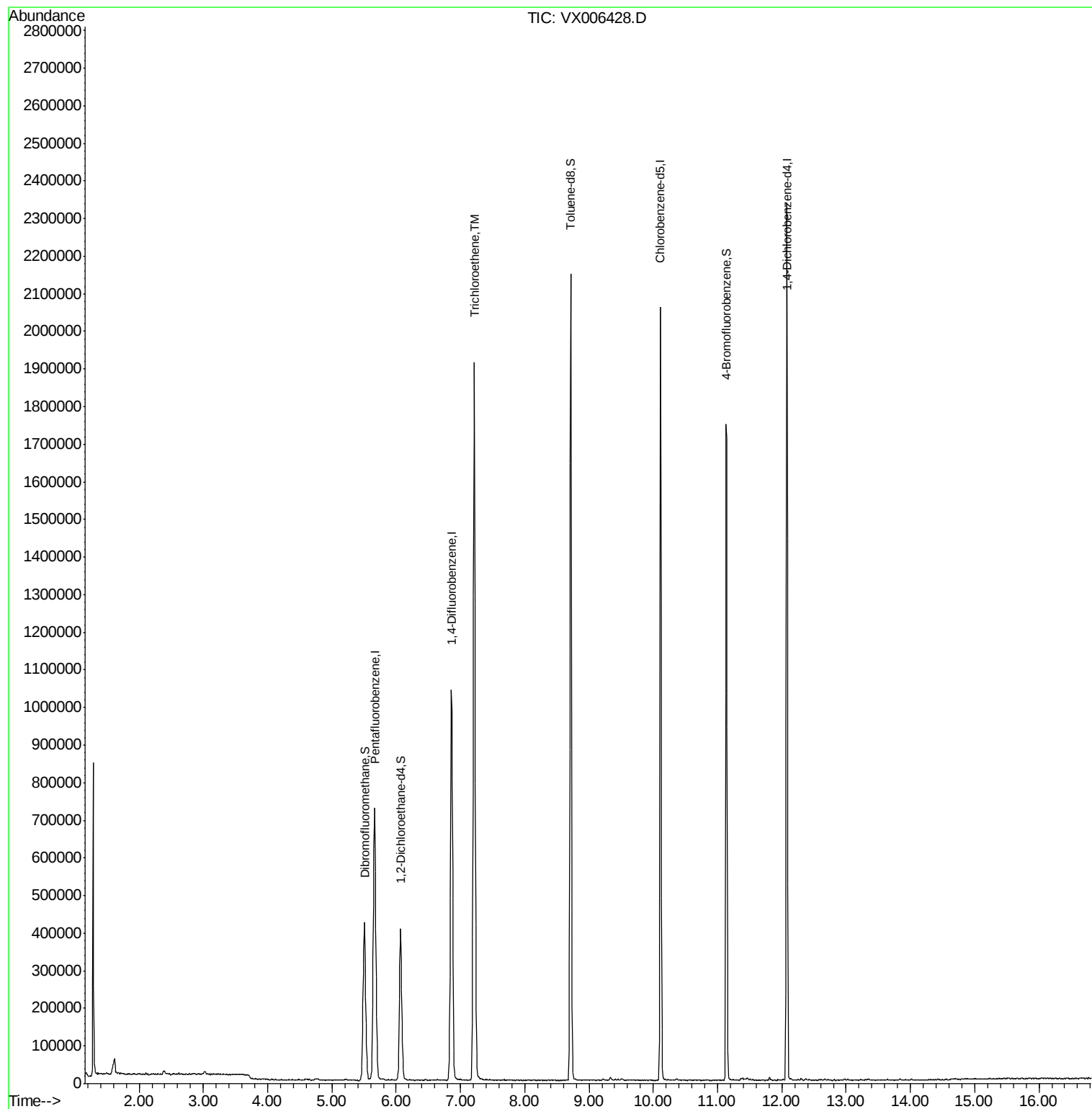
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 747056   | 50.00  | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 1144309  | 50.00  | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 1031480  | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 482302   | 50.00  | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 377317   | 49.48  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.96% |           |
| 35) Dibromofluoromethane    | 5.51  | 113  | 351645   | 47.46  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.92% |           |
| 50) Toluene-d8              | 8.71  | 98   | 1333056  | 49.47  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.94% |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 487330   | 47.99  | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.98% |           |
| Target Compounds            |       |      |          |        |        |           |
| 44) Trichloroethene         | 7.21  | 130  | 769394   | 87.997 | ug/l   | Qvalue 96 |

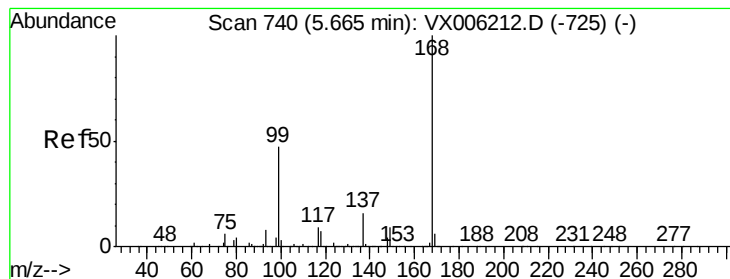
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA\_X

ClientSampleId :

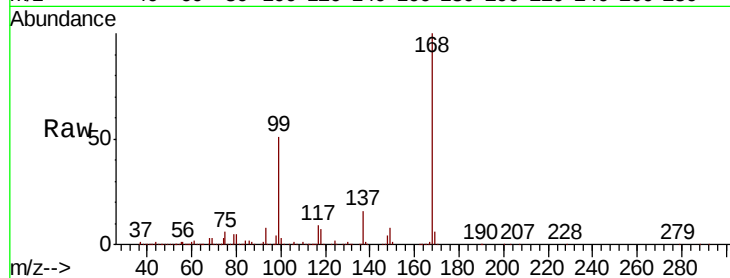
RE-103D2-20181205DL

Tot Ion:168 Resp: 747056

Ion Ratio Lower Upper

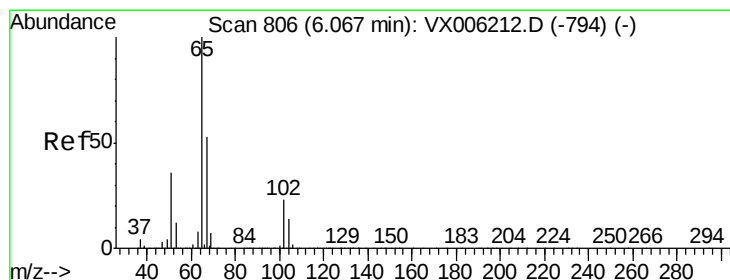
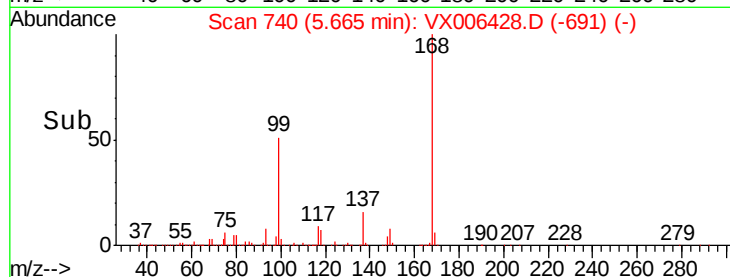
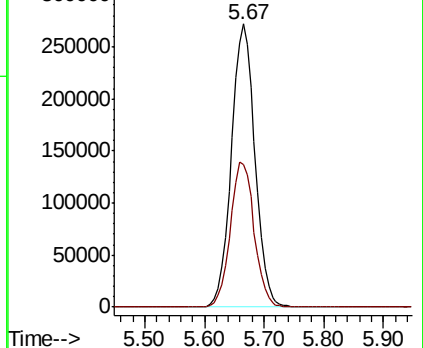
168 100

99 50.5 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.476 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006428.D

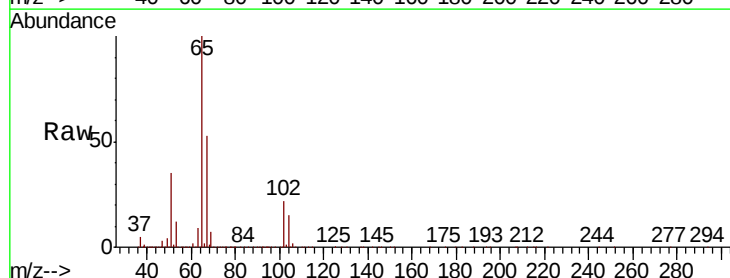
Acq: 11 Dec 2018 18:38

Tgt Ion: 65 Resp: 377317

Ion Ratio Lower Upper

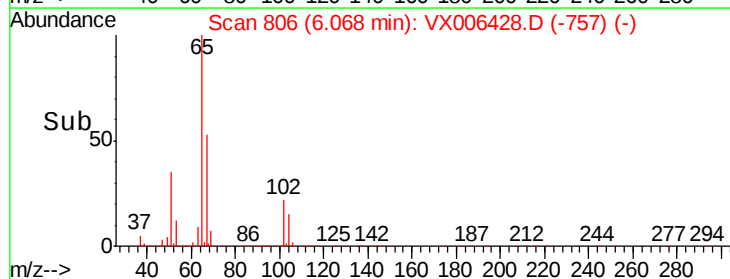
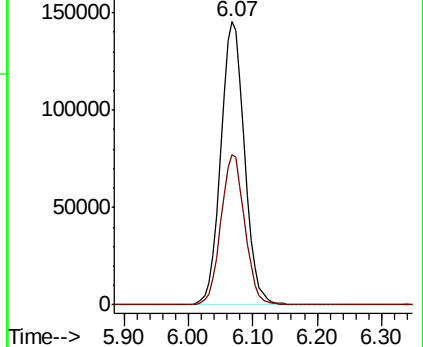
65 100

67 53.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA\_X

ClientSampleId :

RE-103D2-20181205DL

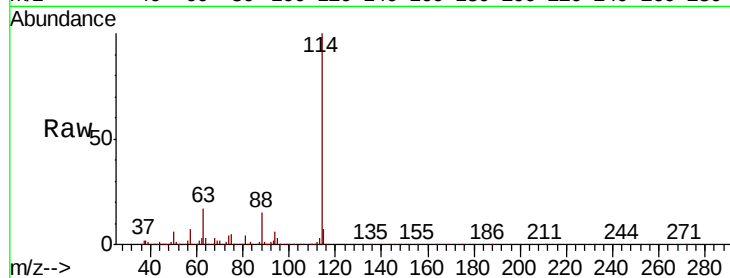
Tot Ion:114 Resp: 1144309

Ion Ratio Lower Upper

114 100

63 17.3 0.0 36.6

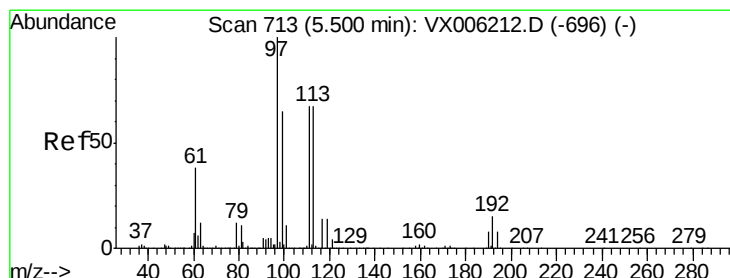
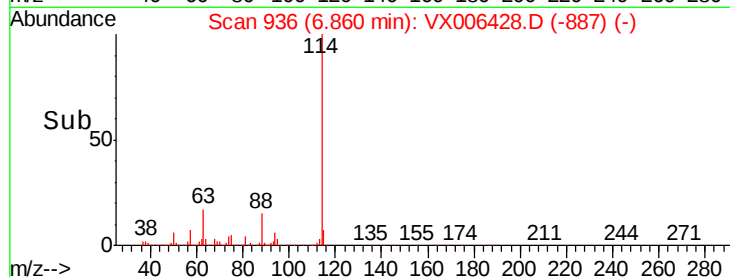
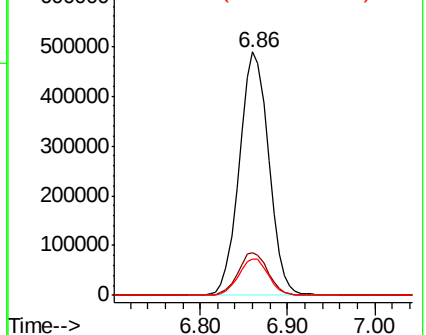
88 14.9 0.0 29.0



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: 47.462 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

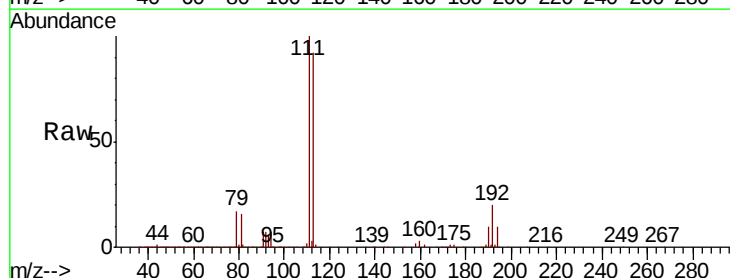
Tgt Ion:113 Resp: 351645

Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

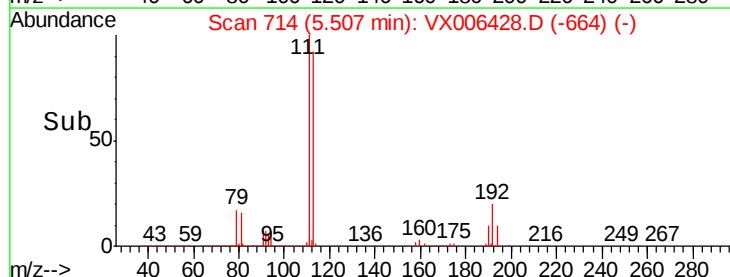
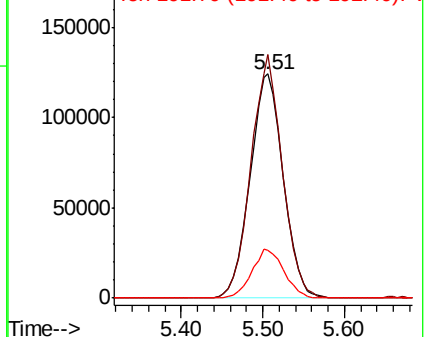
192 21.3 18.2 27.2

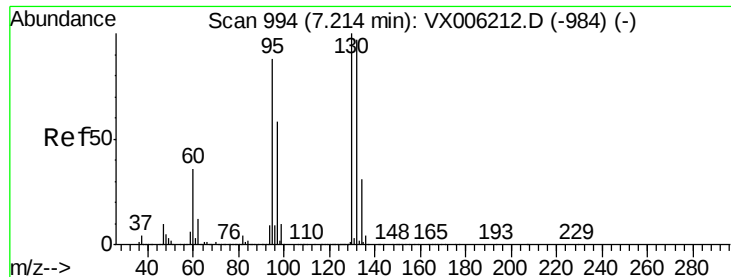


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 87.997 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA\_X

ClientSampleId :

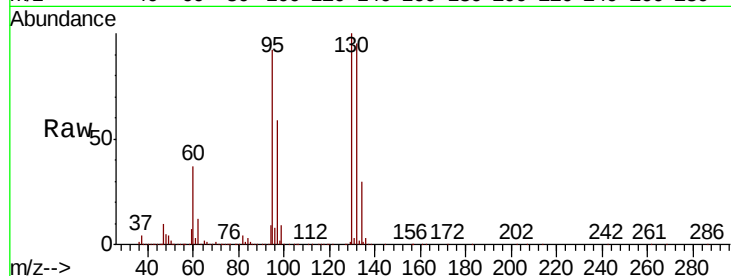
RE-103D2-20181205DL

Tot Ion:130 Resp: 769394

Ion Ratio Lower Upper

130 100

95 91.7 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

400000

300000

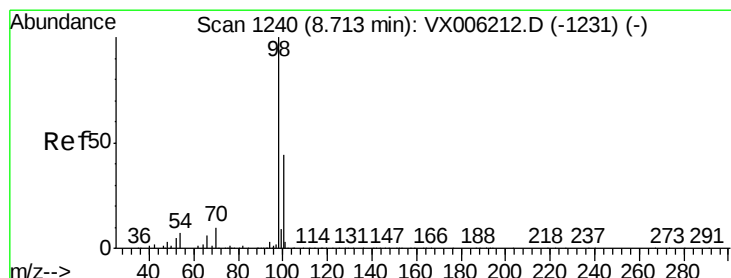
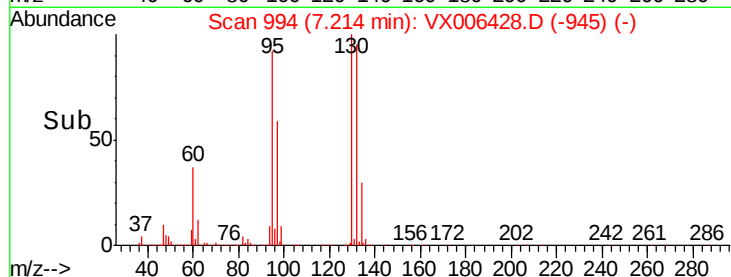
200000

100000

0

Time-->

7.10 7.20 7.30 7.40



#50

Toluene-d8

Concen: 49.465 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006428.D

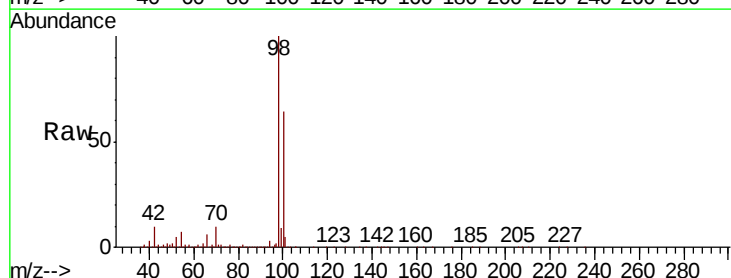
Acq: 11 Dec 2018 18:38

Tgt Ion: 98 Resp: 1333056

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

1000000

800000

600000

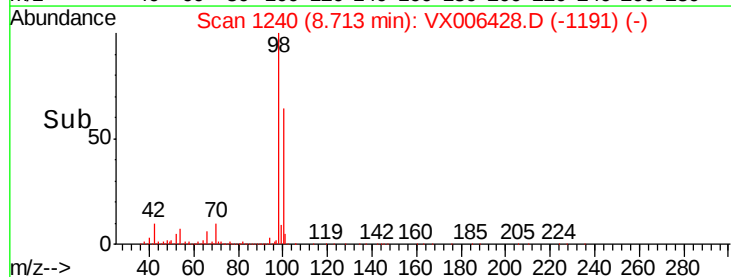
400000

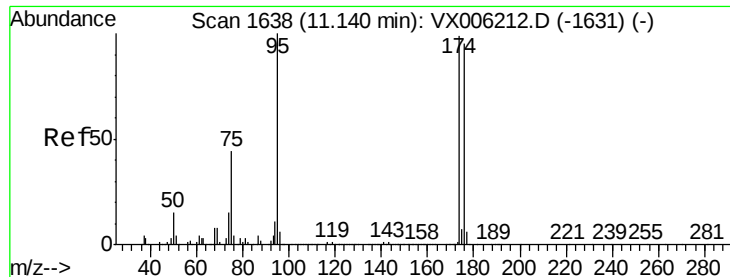
200000

0

Time-->

8.60 8.70 8.80





#62

4-Bromofluorobenzene

Concen: 47.988 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA\_X

ClientSampleId :

RE-103D2-20181205DL

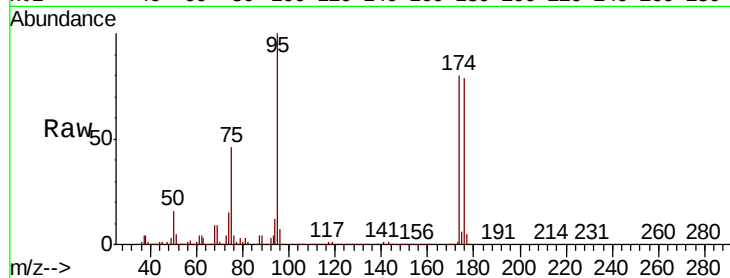
Tot Ion: 95 Resp: 487330

Ion Ratio Lower Upper

95 100

174 86.5 0.0 187.0

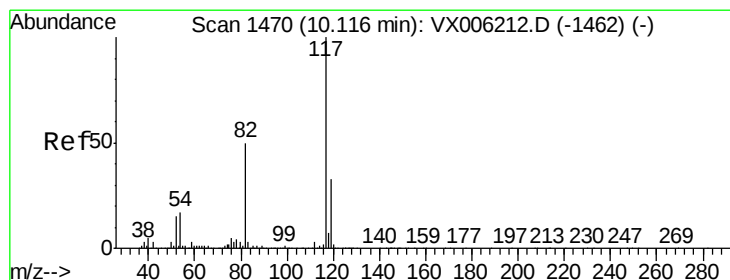
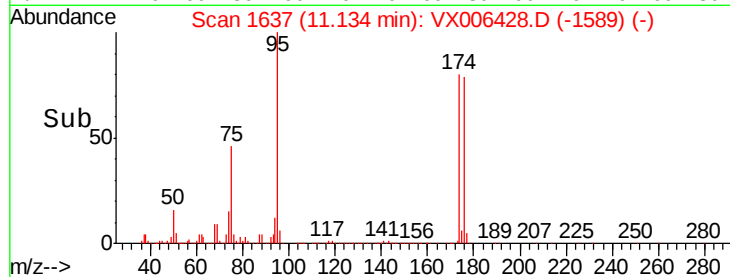
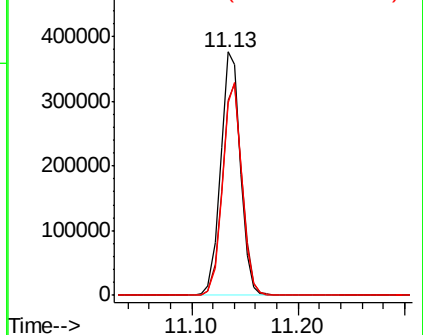
176 85.5 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006428.D (-1589) (-)

Ion 173.80 (173.50 to 174.50): VX006428.D (-1589) (-)

Ion 175.80 (175.50 to 176.50): VX006428.D (-1589) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

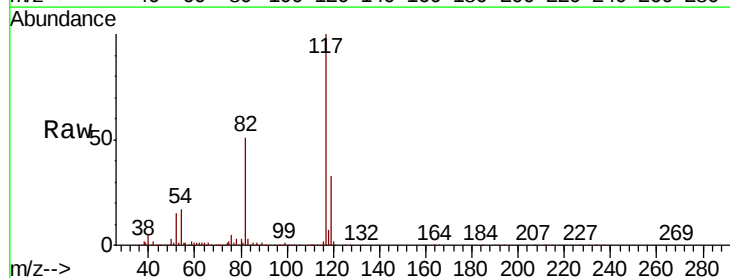
Tgt Ion: 117 Resp: 1031480

Ion Ratio Lower Upper

117 100

82 51.0 39.6 59.4

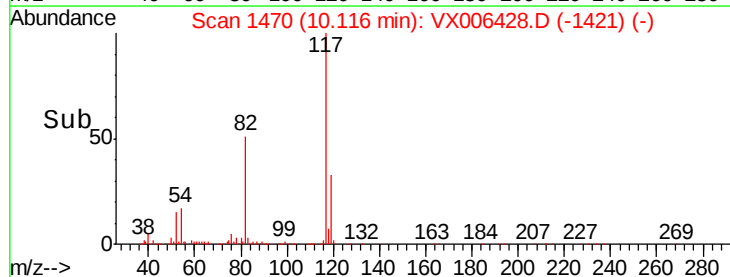
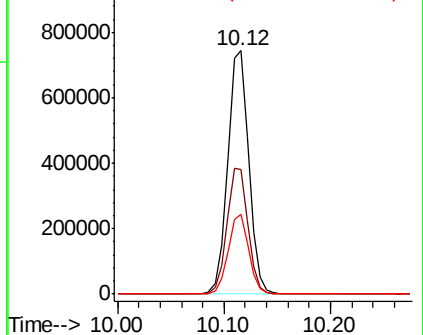
119 32.9 26.3 39.5

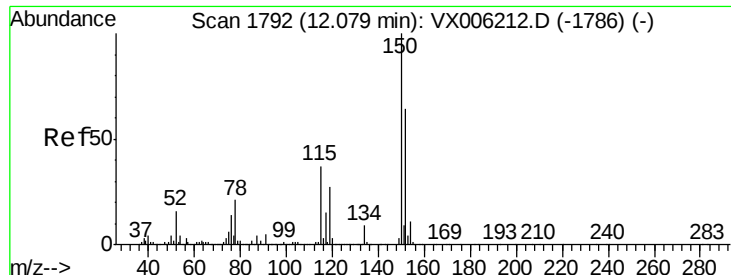


Abundance Ion 116.90 (116.60 to 117.60): VX006428.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX006428.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX006428.D (-1421) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006428.D

Acq: 11 Dec 2018 18:38

Instrument :

MSVOA\_X

ClientSampleId :

RE-103D2-20181205DL

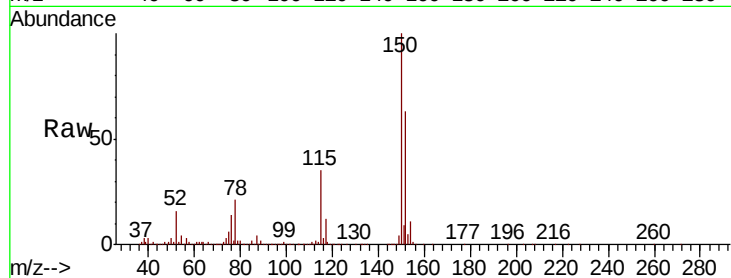
Tot Ion:152 Resp: 482302

Ion Ratio Lower Upper

152 100

115 57.1 39.0 116.9

150 159.0 0.0 345.8



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

