

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX112618\  
 Data File : VX006205.D  
 Acq On : 27 Nov 2018 05:24  
 Operator : JC/MD  
 Sample : J6050-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DTW-02

Quant Time: Nov 27 08:14:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 21 08:15:54 2018  
 Response via : Initial Calibration

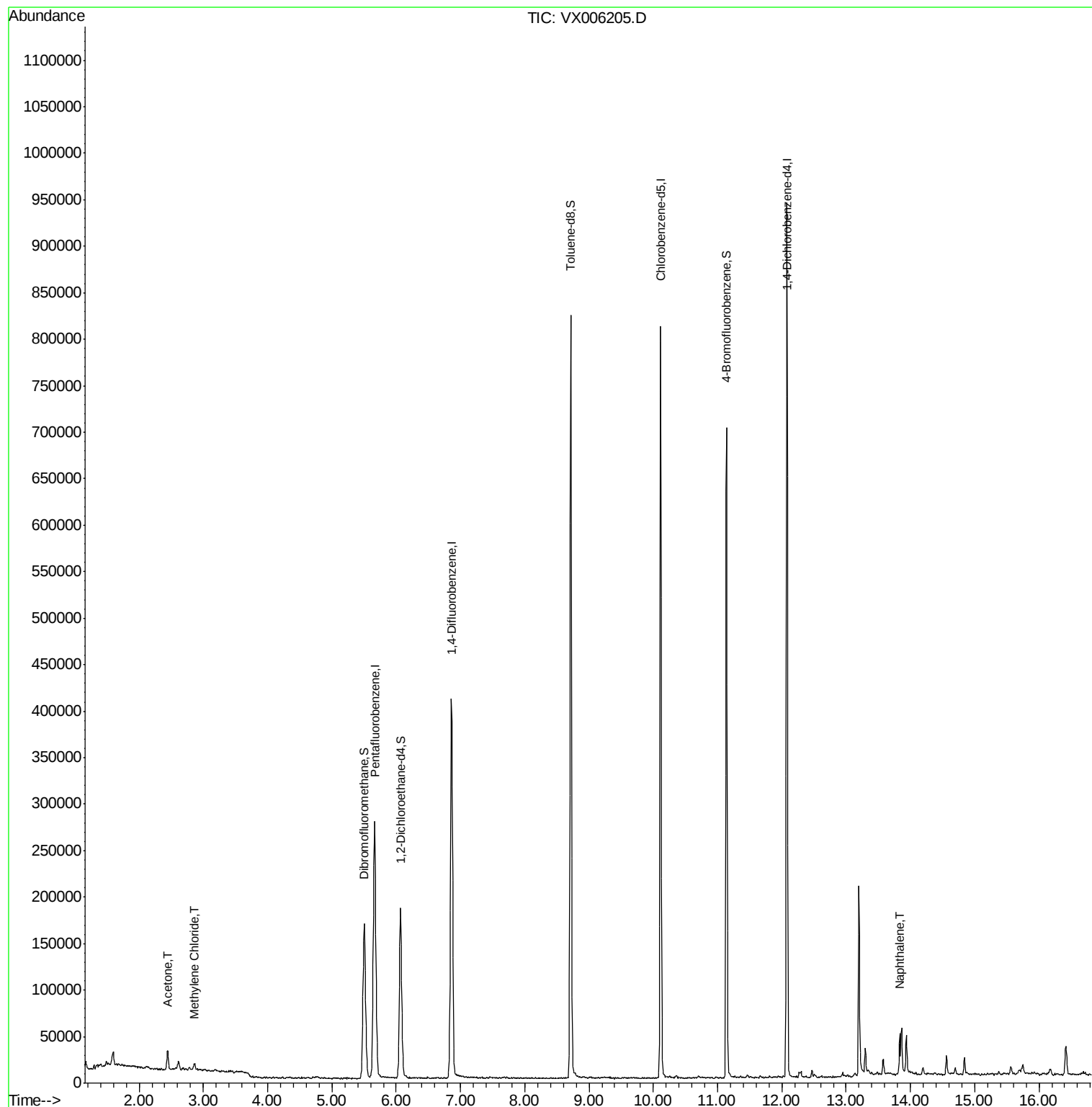
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 269149   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 399220   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 375192   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 188907   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 175115   | 56.15 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.30% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 138903   | 54.20 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.40% |          |
| 50) Toluene-d8              | 8.71  | 98   | 491044   | 50.24 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.48% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 166984   | 45.53 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.06%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 22262    | 16.09 | ug/l    | 99       |
| 20) Methylene Chloride      | 2.86  | 84   | 3574     | 1.37  | ug/l    | 96       |
| 95) Naphthalene             | 13.83 | 128  | 26203    | 2.10  | ug/l    | 95       |

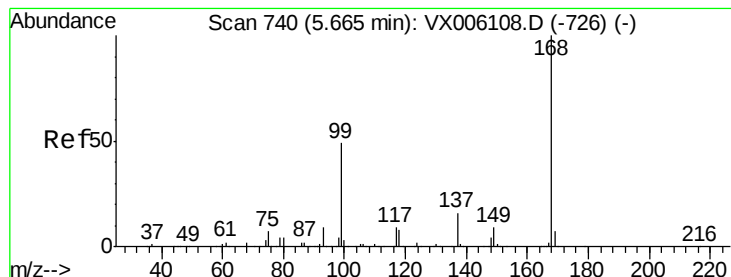
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Nov 21 08:15:54 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA\_X

ClientSampleId :

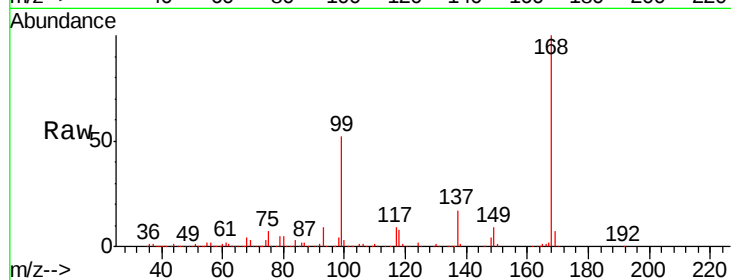
DTW-02

Tgt Ion:168 Resp: 269149

Ion Ratio Lower Upper

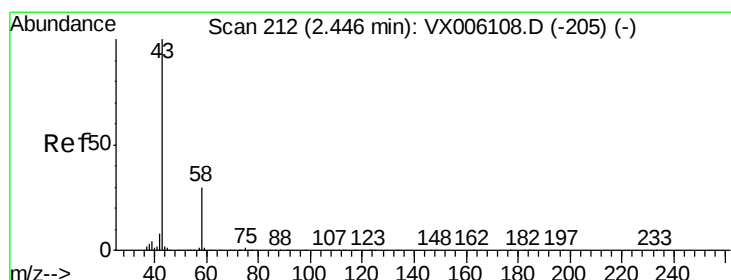
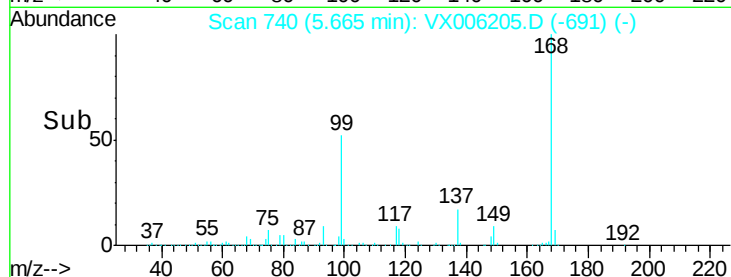
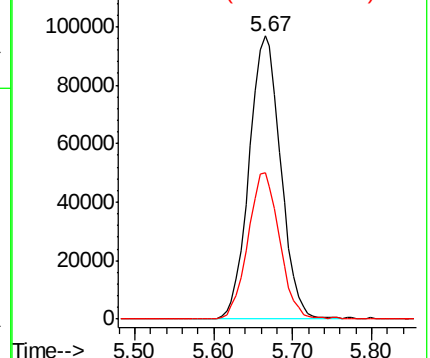
168 100

99 51.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 16.09 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006205.D

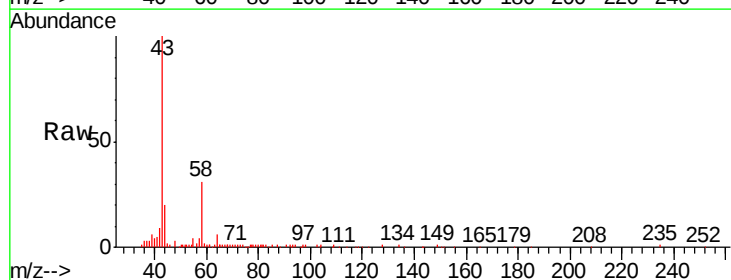
Acq: 27 Nov 2018 05:24

Tgt Ion: 43 Resp: 22262

Ion Ratio Lower Upper

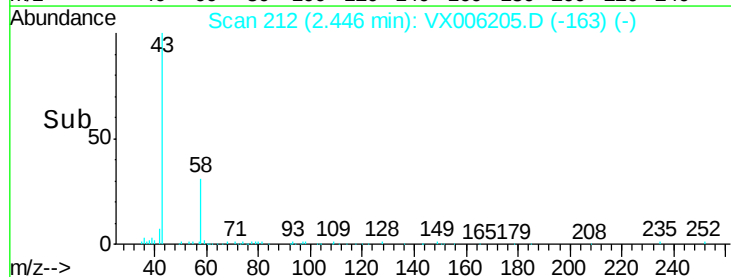
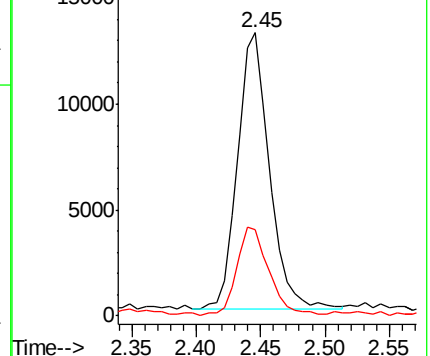
43 100

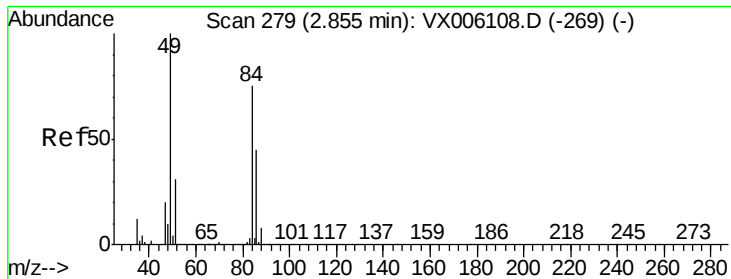
58 30.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: 1.37 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA\_X

ClientSampled :

DTW-02

Tgt Ion: 84 Resp: 3574

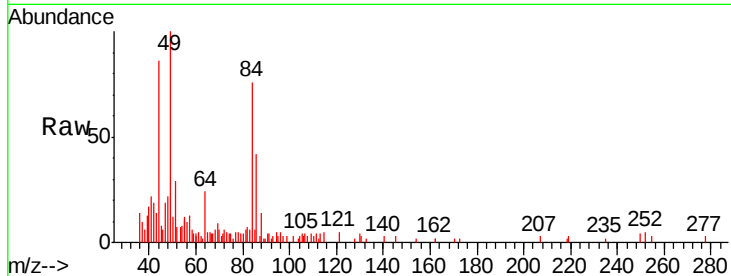
Ion Ratio Lower Upper

84 100

49 134.3 106.6 159.8

51 35.0 32.6 49.0

86 53.9 48.4 72.6

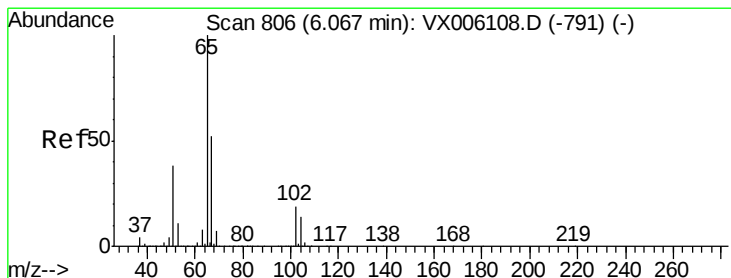
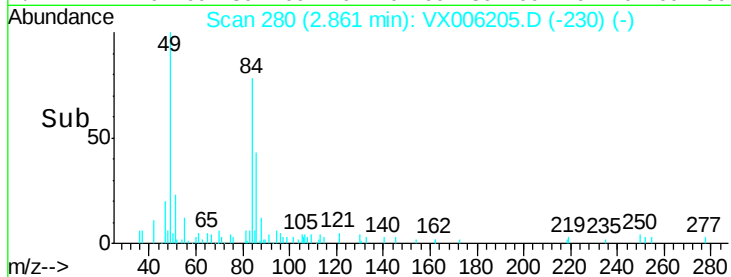
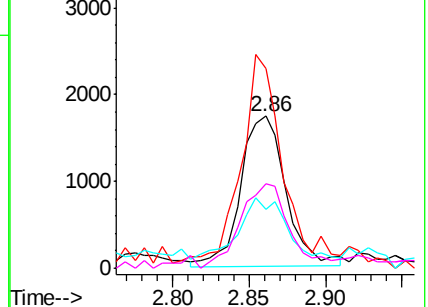


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 56.15 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006205.D

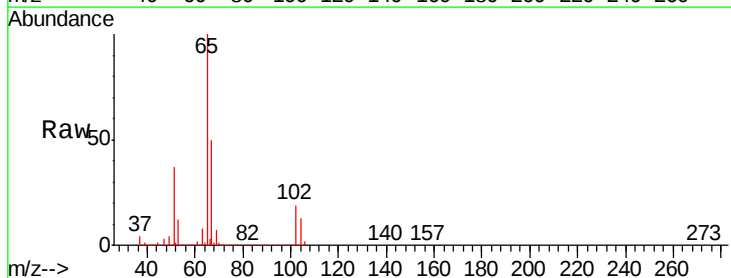
Acq: 27 Nov 2018 05:24

Tgt Ion: 65 Resp: 175115

Ion Ratio Lower Upper

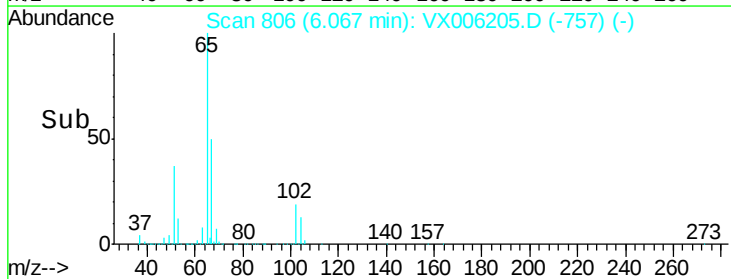
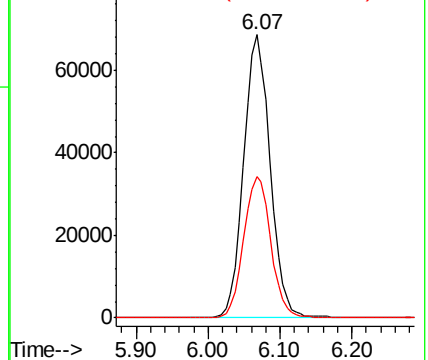
65 100

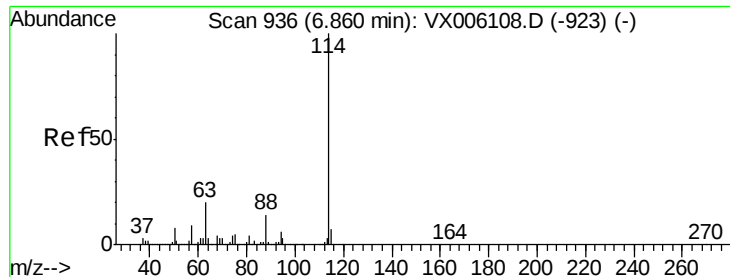
67 51.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA\_X

ClientSampleId :

DTW-02

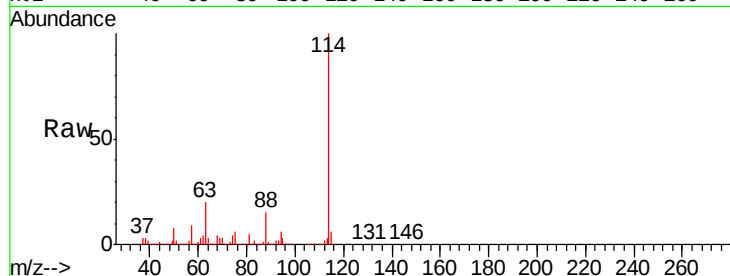
Tgt Ion:114 Resp: 399220

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.2

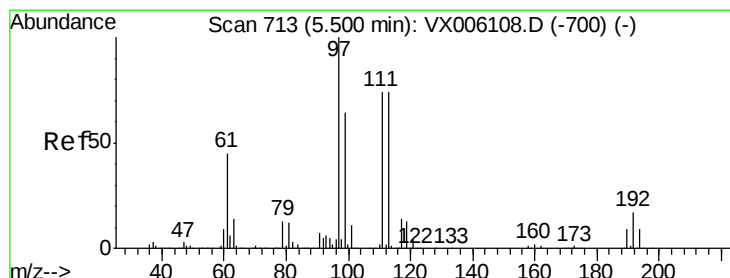
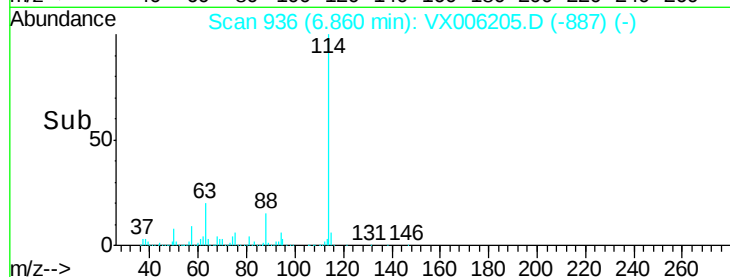
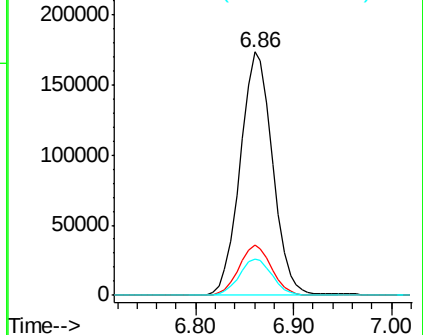
88 14.7 0.0 28.6



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: 54.20 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

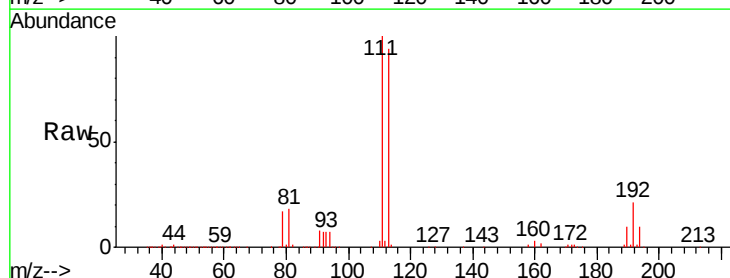
Tgt Ion:113 Resp: 138903

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

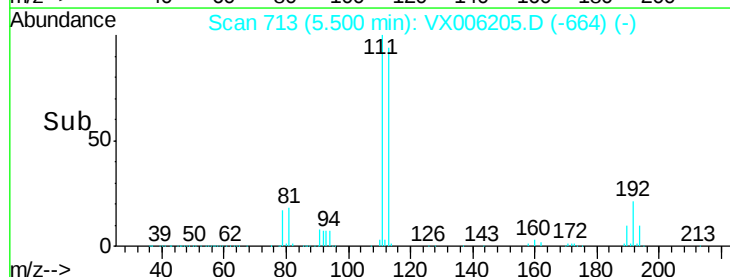
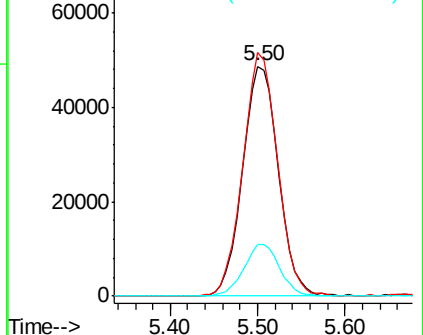
192 22.7 18.6 28.0

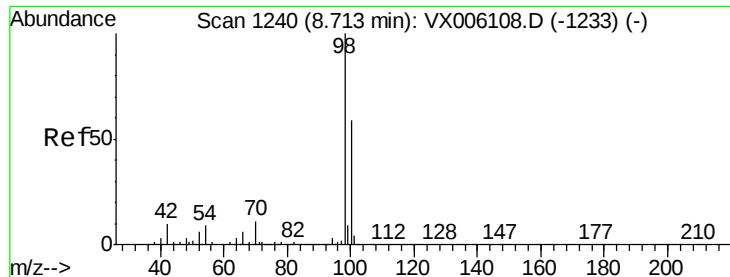


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.24 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

Instrument :

MSVOA\_X

ClientSampleId :

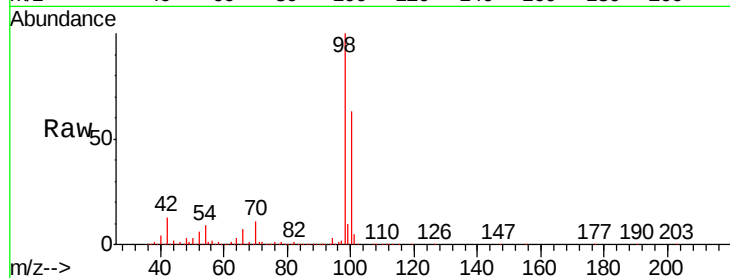
DTW-02

Tgt Ion: 98 Resp: 491044

Ion Ratio Lower Upper

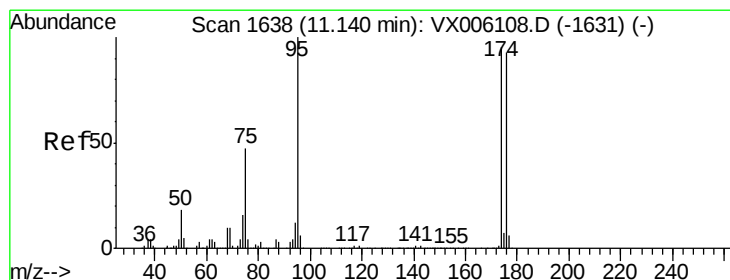
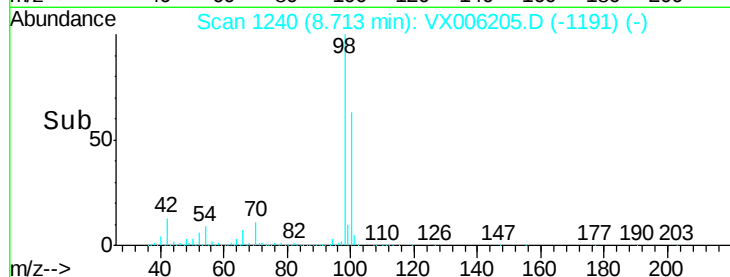
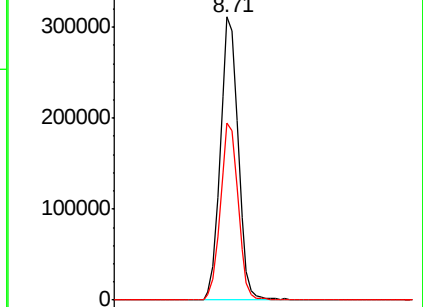
98 100

100 62.3 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.53 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006205.D

Acq: 27 Nov 2018 05:24

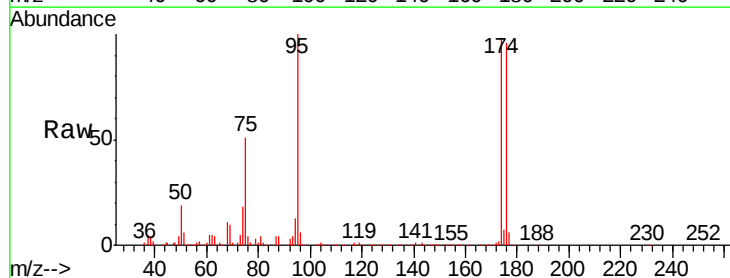
Tgt Ion: 95 Resp: 166984

Ion Ratio Lower Upper

95 100

174 94.3 0.0 184.4

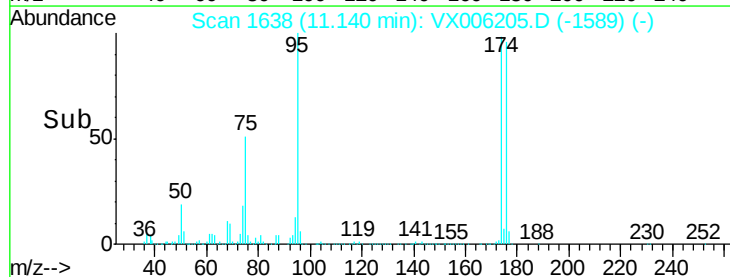
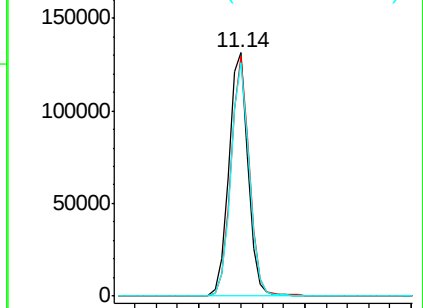
176 91.4 0.0 179.0

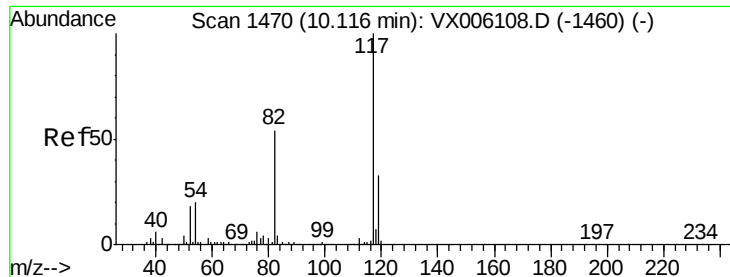


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

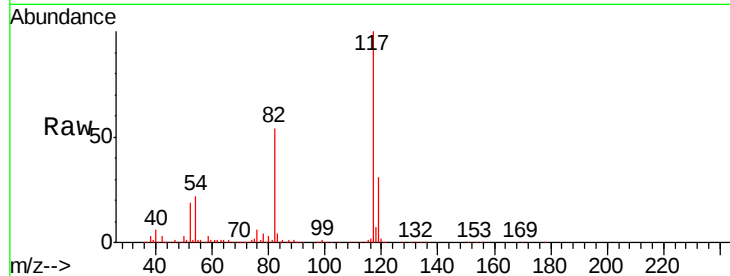




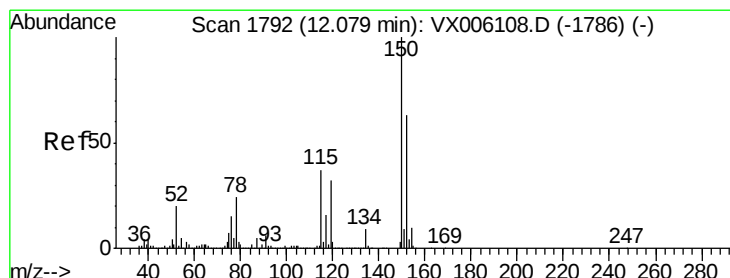
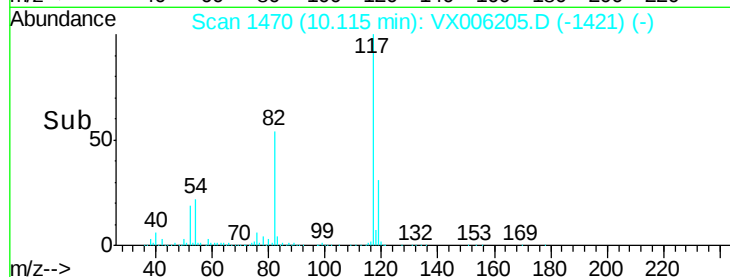
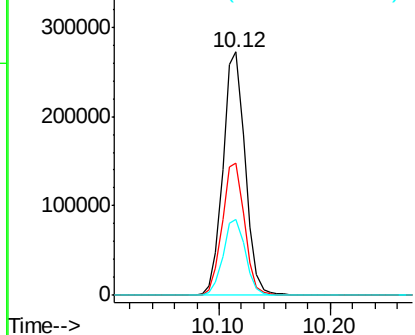
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX006205.D  
Acq: 27 Nov 2018 05:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
DTW-02

Tgt Ion:117 Resp: 375192  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.0 64.4  
119 31.4 26.1 39.1

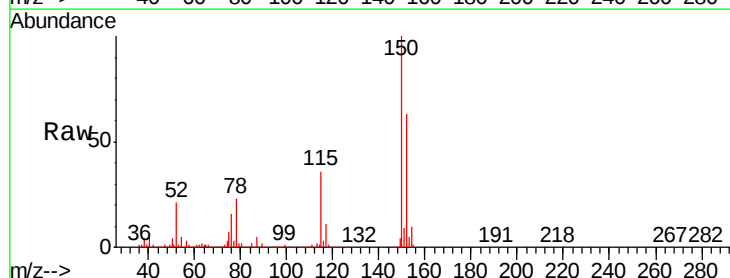


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

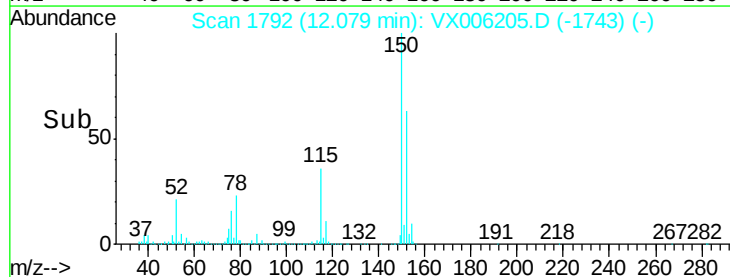
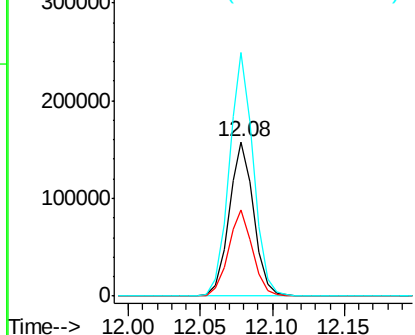


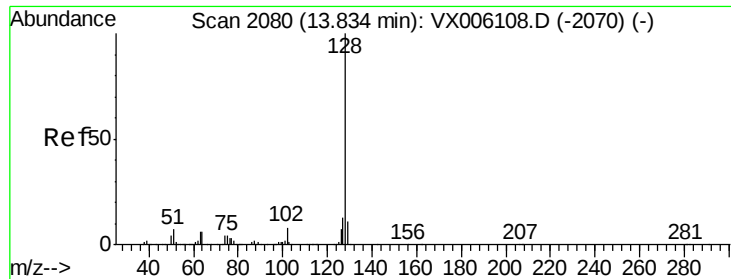
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX006205.D  
Acq: 27 Nov 2018 05:24

Tgt Ion:152 Resp: 188907  
Ion Ratio Lower Upper  
152 100  
115 55.4 39.0 116.9  
150 155.2 0.0 346.6



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

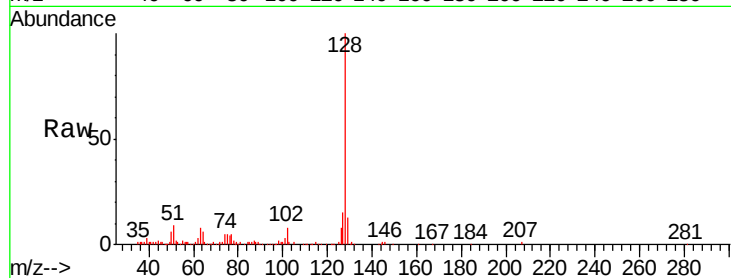




#95  
Naphthalene  
Concen: 2.10 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. -0.00 min  
Lab File: VX006205.D  
Acq: 27 Nov 2018 05:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
DTW-02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 15.6  | 10.6  | 15.8  |
| 129     | 12.5  | 8.8   | 13.2  |



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

