

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\  
 Data File : VX002787.D  
 Acq On : 21 Jun 2018 14:43  
 Operator : JC/MD  
 Sample : J3617-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IDW-SO1-SRI3

Quant Time: Jun 22 01:33:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:37:33 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 237403   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 336624   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 318894   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 179898   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 163523   | 45.33 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.66% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 129795   | 48.31 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.62% |          |
| 50) Toluene-d8              | 8.72  | 98   | 480351   | 47.09 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.18% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 169561   | 43.87 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.74% |          |

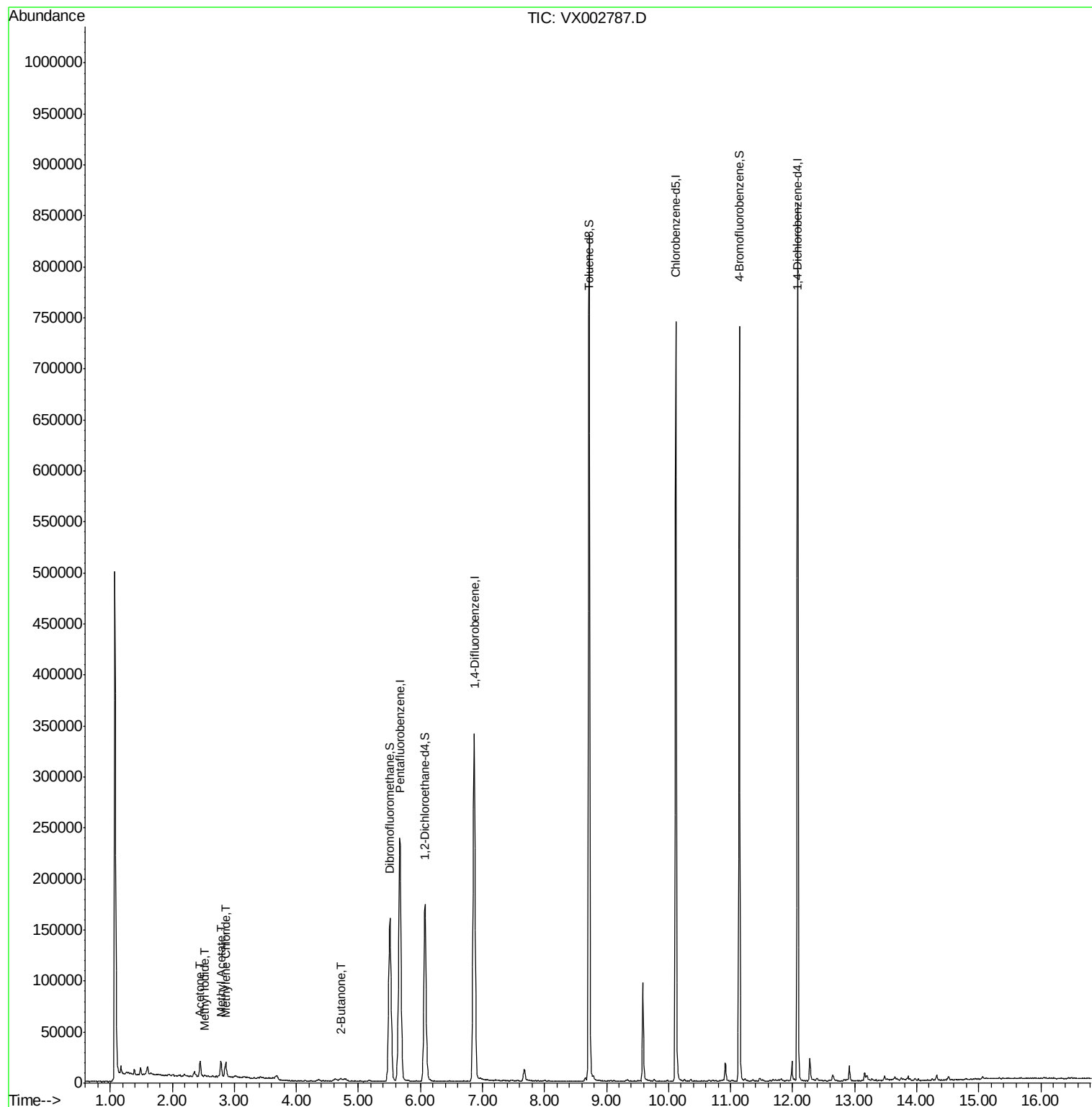
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 10) Methyl Iodide      | 2.51 | 142  | 1397     | 5.51  | ug/l  | # 86   |
| 16) Acetone            | 2.45 | 43   | 16199    | 10.18 | ug/l  | 97     |
| 18) Methyl Acetate     | 2.78 | 43   | 18612    | 4.39  | ug/l  | 100    |
| 20) Methylene Chloride | 2.86 | 84   | 6166     | 1.89  | ug/l  | 94     |
| 25) 2-Butanone         | 4.72 | 43   | 4245     | 2.03  | ug/l  | 99     |

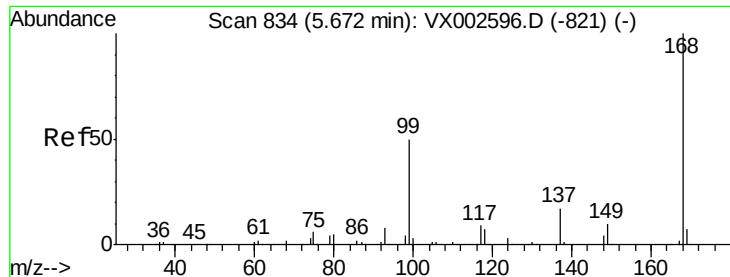
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062118\  
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Quant Time: Jun 22 01:33:32 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:37:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002787.D

Acq: 21 Jun 2018 14:43

Instrument :

MSVOA\_X

ClientSampleId :

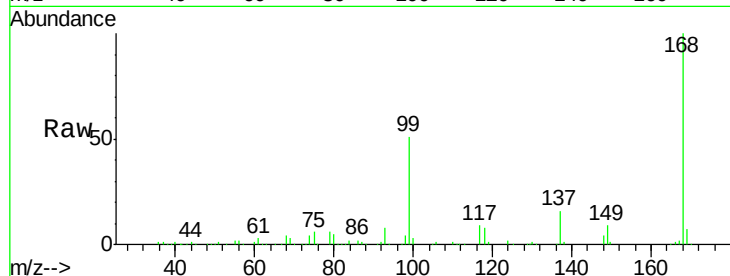
IDW-SO1-SRI3

Tot Ion:168 Resp: 237403

Ion Ratio Lower Upper

168 100

99 50.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

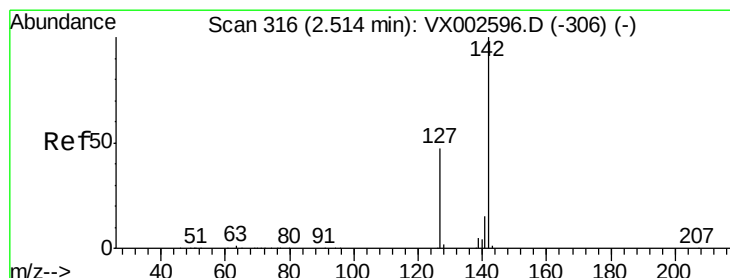
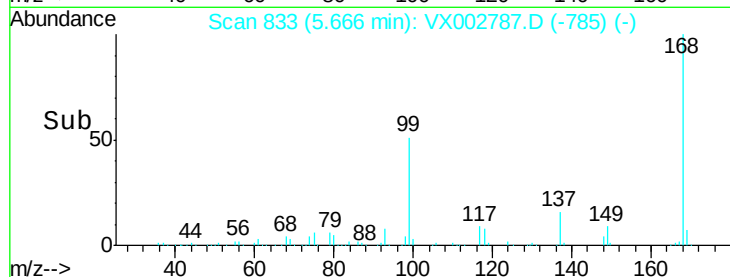
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 5.51 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002787.D

Acq: 21 Jun 2018 14:43

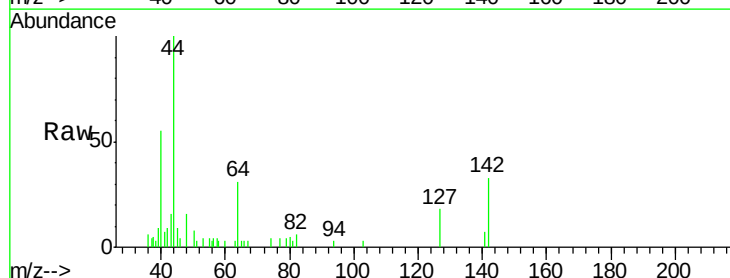
Tgt Ion:142 Resp: 1397

Ion Ratio Lower Upper

142 100

127 55.5 36.6 55.0#

141 18.3 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.51

800

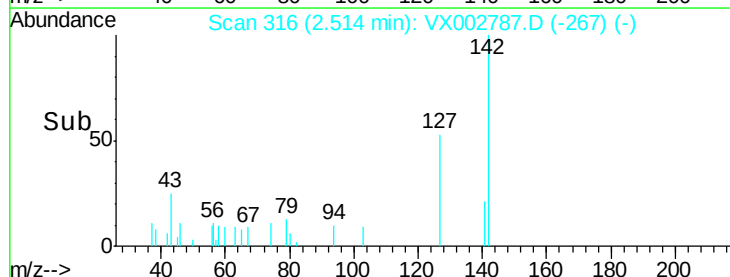
600

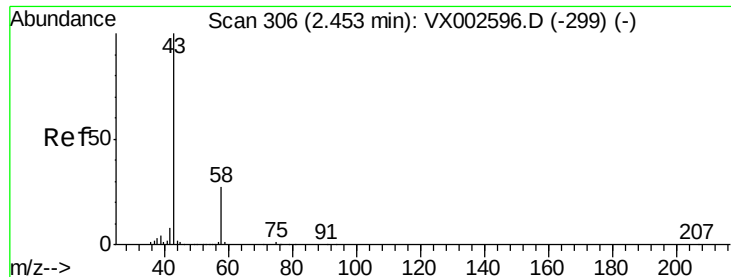
400

200

0

Time--> 2.45 2.50 2.55





#16

Acetone

Concen: 10.18 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002787.D

Acq: 21 Jun 2018 14:43

Instrument :

MSVOA\_X

ClientSampleId :

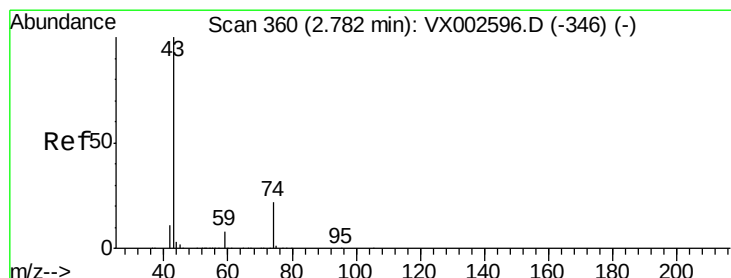
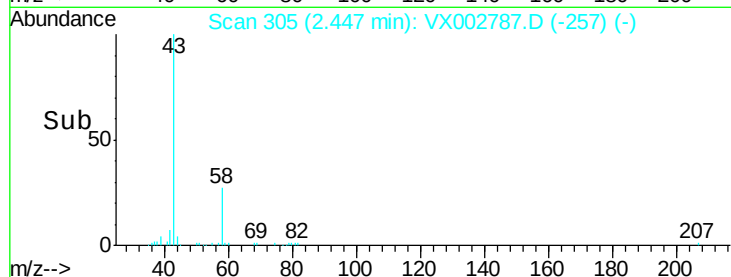
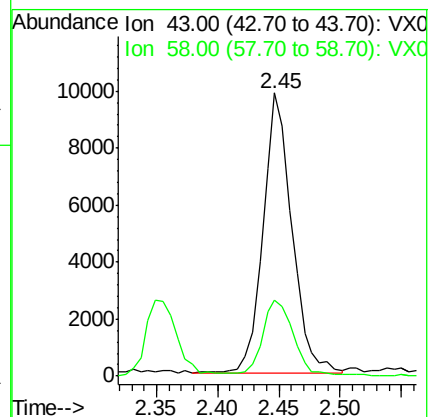
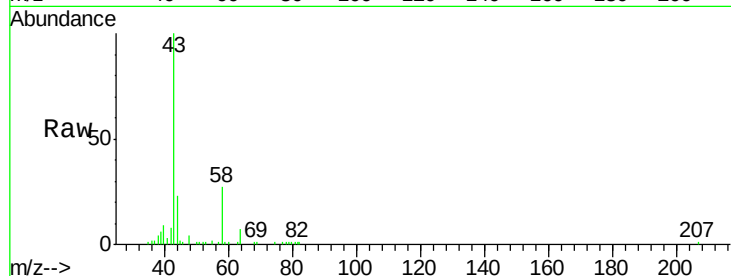
IDW-SO1-SRI3

Tot Ion: 43 Resp: 16199

Ion Ratio Lower Upper

43 100

58 26.3 22.1 33.1



#18

Methyl Acetate

Concen: 4.39 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002787.D

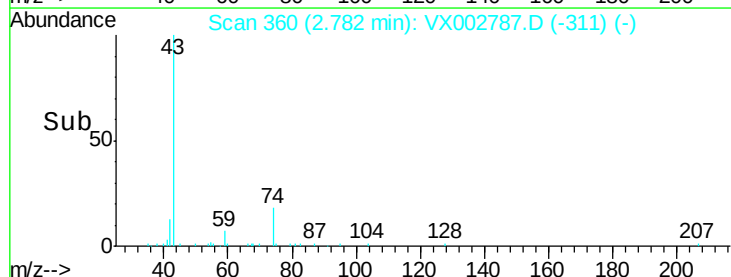
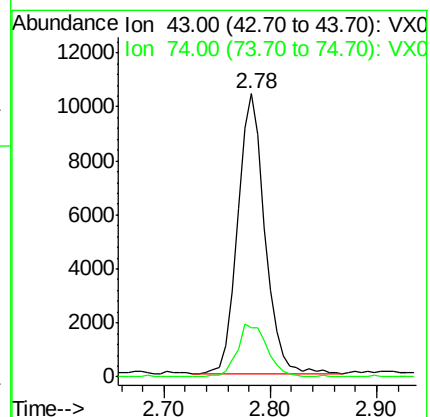
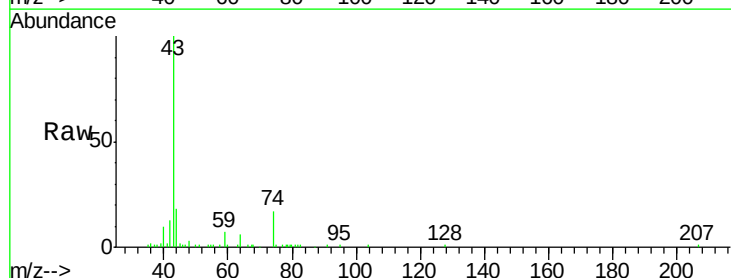
Acq: 21 Jun 2018 14:43

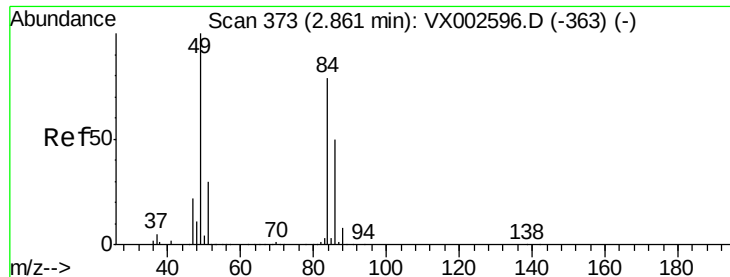
Tgt Ion: 43 Resp: 18612

Ion Ratio Lower Upper

43 100

74 20.9 16.7 25.1





#20

Methylene Chloride

Concen: 1.89 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002787.D

Acq: 21 Jun 2018 14:43

Instrument :

MSVOA\_X

ClientSampleId :

IDW-SO1-SRI3

Tot Ion: 84 Resp: 6166

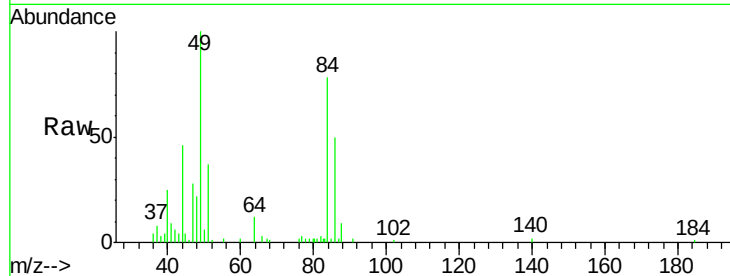
Ion Ratio Lower Upper

84 100

49 125.8 107.8 161.6

51 44.4 32.8 49.2

86 63.8 52.5 78.7

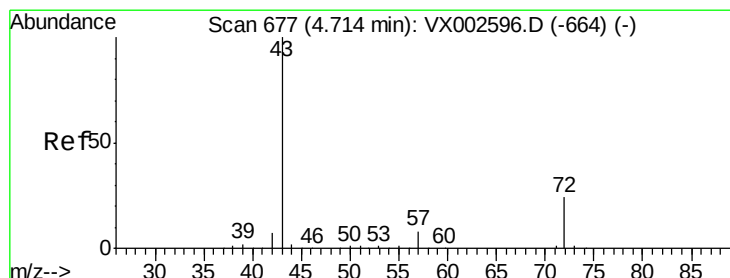
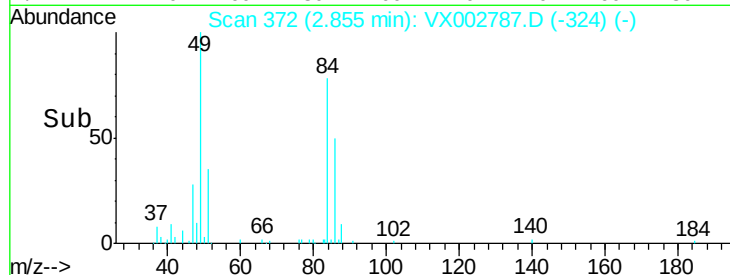
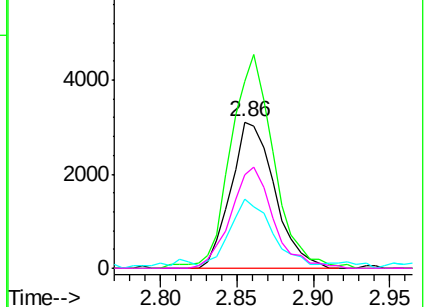


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 2.03 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002787.D

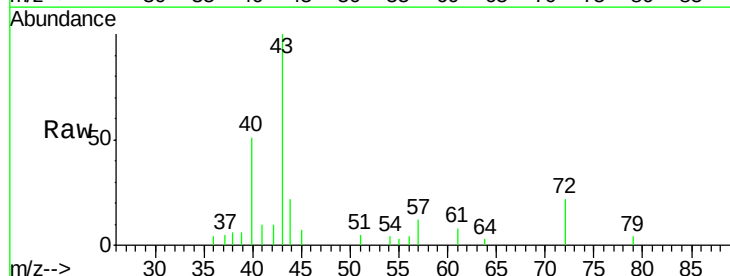
Acq: 21 Jun 2018 14:43

Tgt Ion: 43 Resp: 4245

Ion Ratio Lower Upper

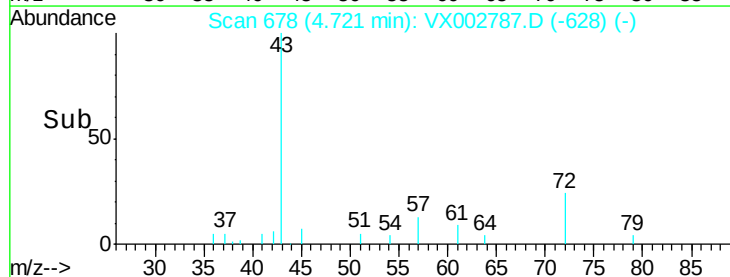
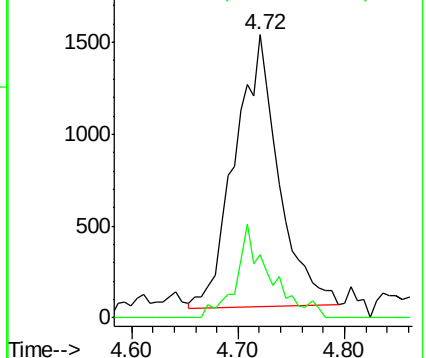
43 100

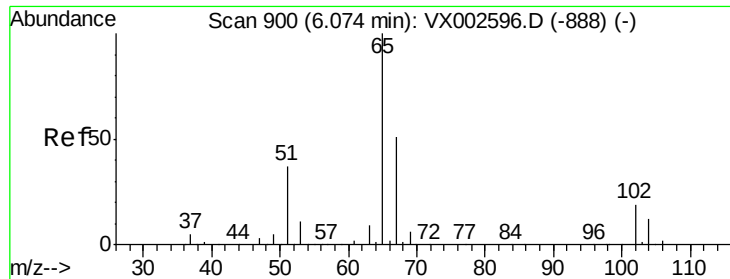
72 23.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

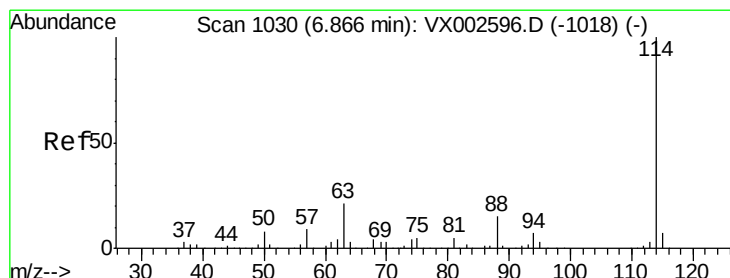
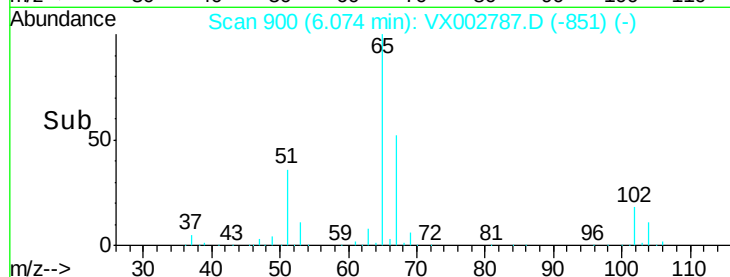
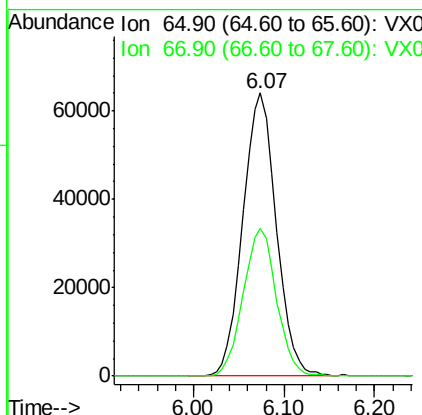
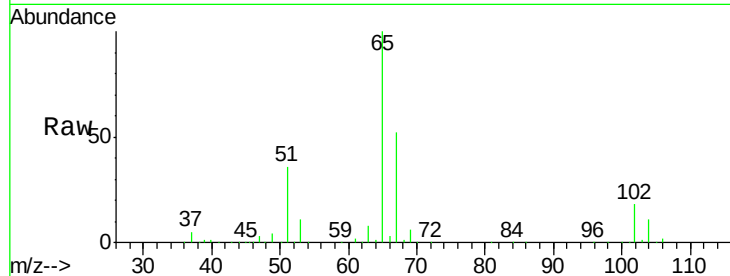




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.33 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VX002787.D  
 Acq: 21 Jun 2018 14:43

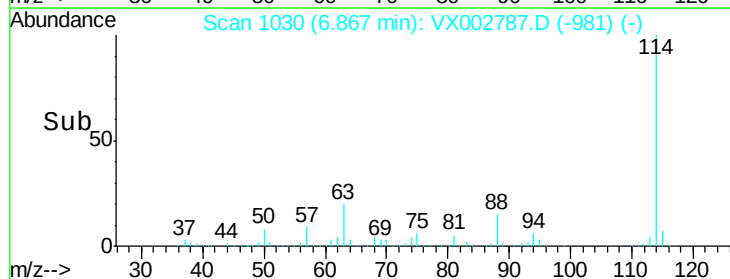
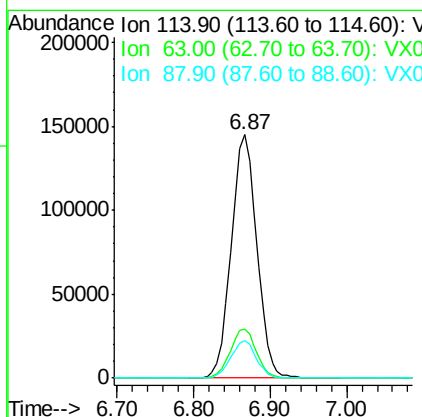
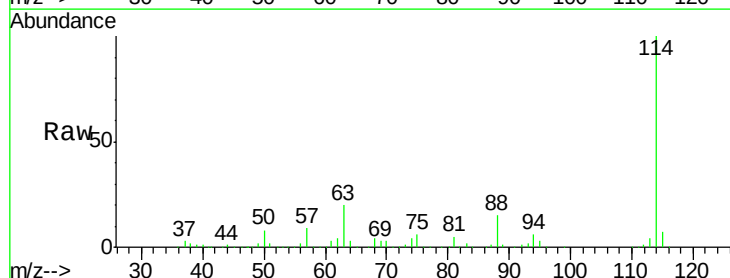
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IDW-SO1-SRI3

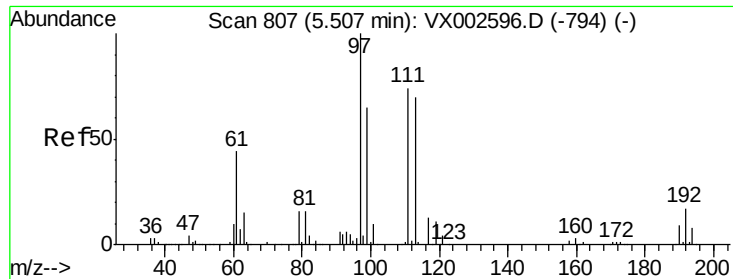
Tot Ion: 65 Resp: 163523  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 102.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX002787.D  
 Acq: 21 Jun 2018 14:43

Tgt Ion: 114 Resp: 336624  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 41.4  
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.31 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002787.D

Acq: 21 Jun 2018 14:43

Instrument :

MSVOA\_X

ClientSampleId :

IDW-SO1-SRI3

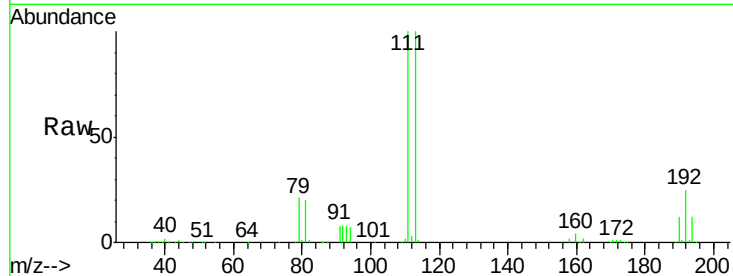
Tot Ion:113 Resp: 129795

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

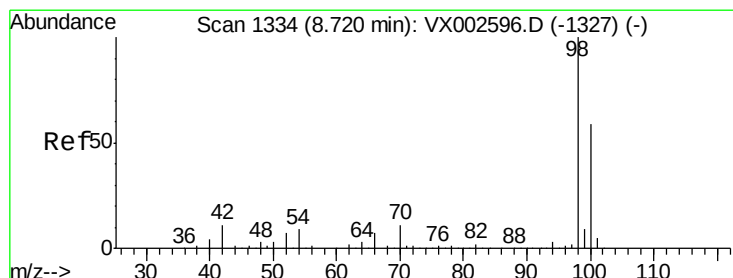
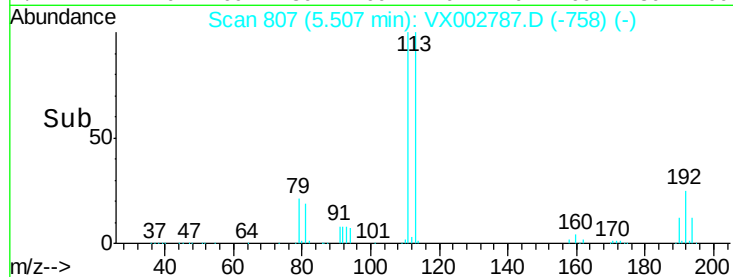
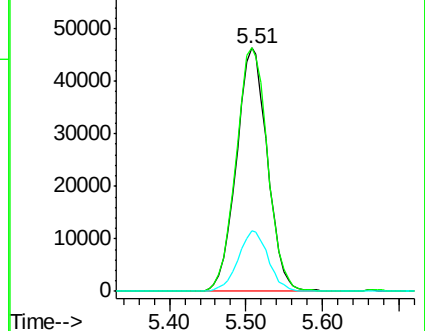
192 24.1 19.1 28.7



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: 47.09 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002787.D

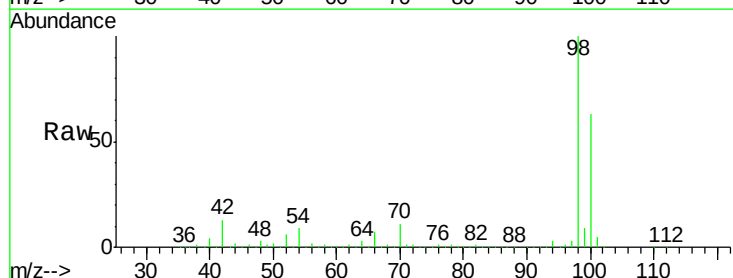
Acq: 21 Jun 2018 14:43

Tgt Ion: 98 Resp: 480351

Ion Ratio Lower Upper

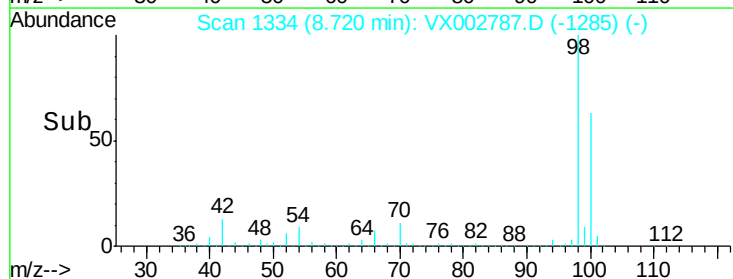
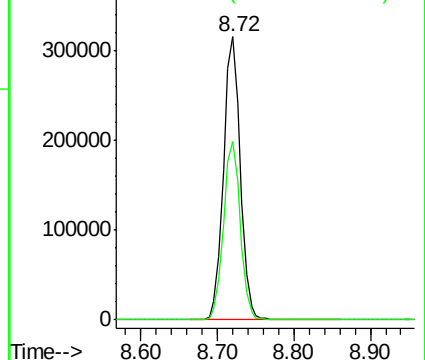
98 100

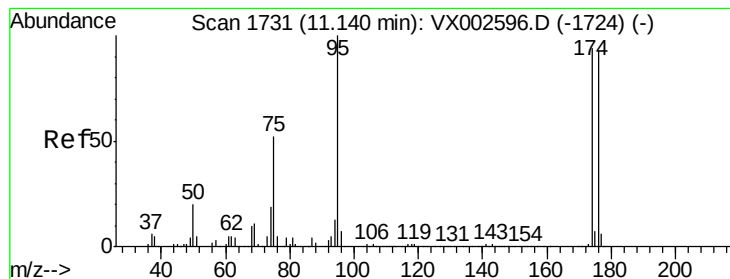
100 62.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX





#62

4-Bromofluorobenzene

Concen: 43.87 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002787.D

Acq: 21 Jun 2018 14:43

Instrument :

MSVOA\_X

ClientSampleId :

IDW-SO1-SRI3

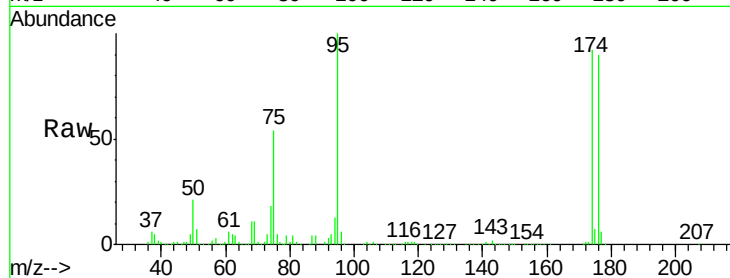
Tot Ion: 95 Resp: 169561

Ion Ratio Lower Upper

95 100

174 97.1 0.0 187.4

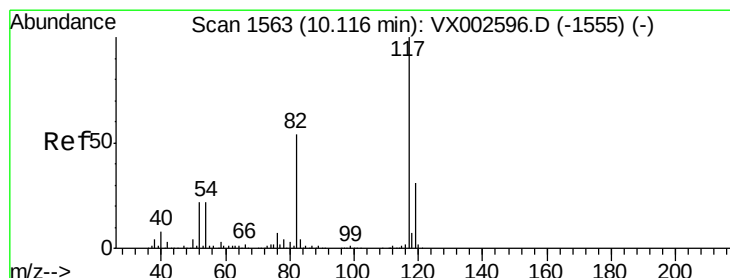
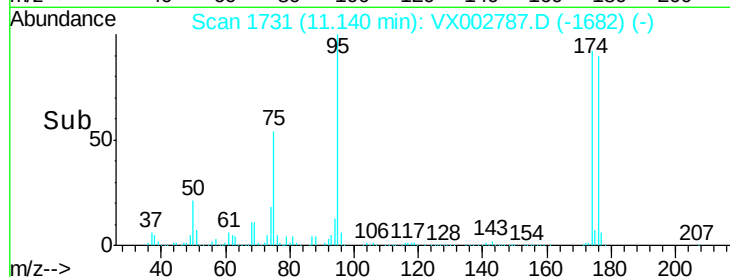
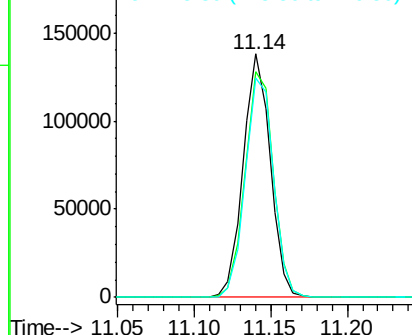
176 94.1 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002596.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002596.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002596.D (-1724) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002787.D

Acq: 21 Jun 2018 14:43

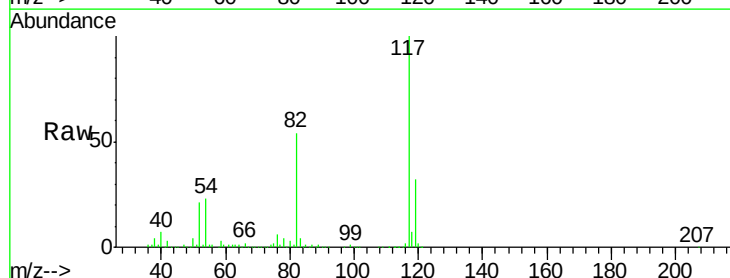
Tgt Ion: 117 Resp: 318894

Ion Ratio Lower Upper

117 100

82 54.0 45.0 67.4

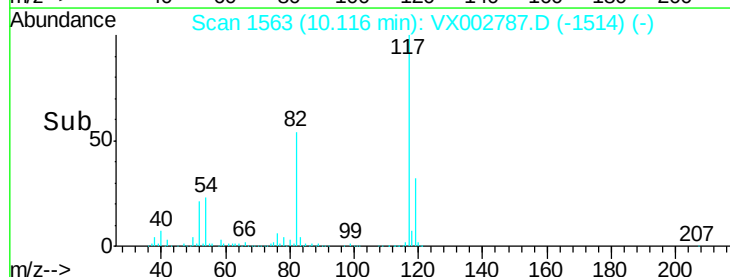
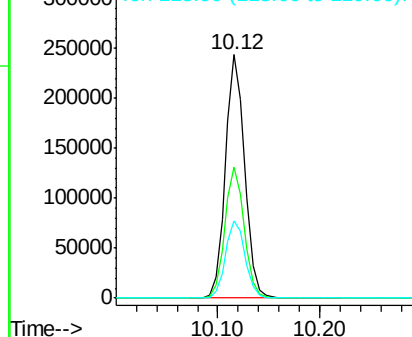
119 32.0 25.8 38.6



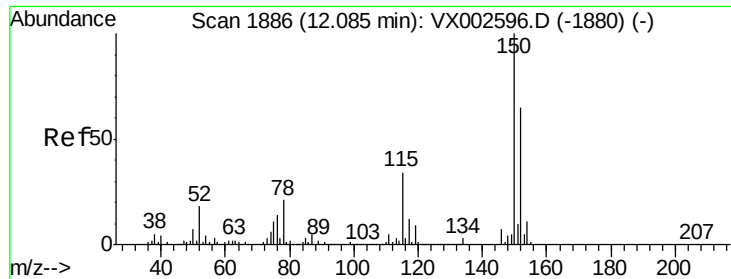
Abundance Ion 116.90 (116.60 to 117.60): VX002596.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX002596.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX002596.D (-1555) (-)







#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002787.D

Acq: 21 Jun 2018 14:43

Instrument :

MSVOA\_X

ClientSampleId :

IDW-SO1-SRI3

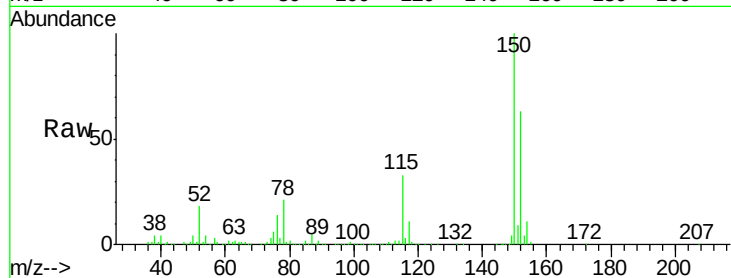
Tot Ion:152 Resp: 179898

Ion Ratio Lower Upper

152 100

115 55.1 40.1 120.2

150 158.1 0.0 347.2



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

