

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011019\  
 Data File : VX006999.D  
 Acq On : 10 Jan 2019 19:20  
 Operator : JC/MD  
 Sample : K1015-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-03-010918-A

Quant Time: Jan 11 08:07:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 595664   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 926067   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 872736   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 422986   | 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   | 319497   | 51.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.64% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 278270   | 46.92 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 93.84%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1122229  | 51.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 103.40% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 395457   | 52.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 104.52% |          |

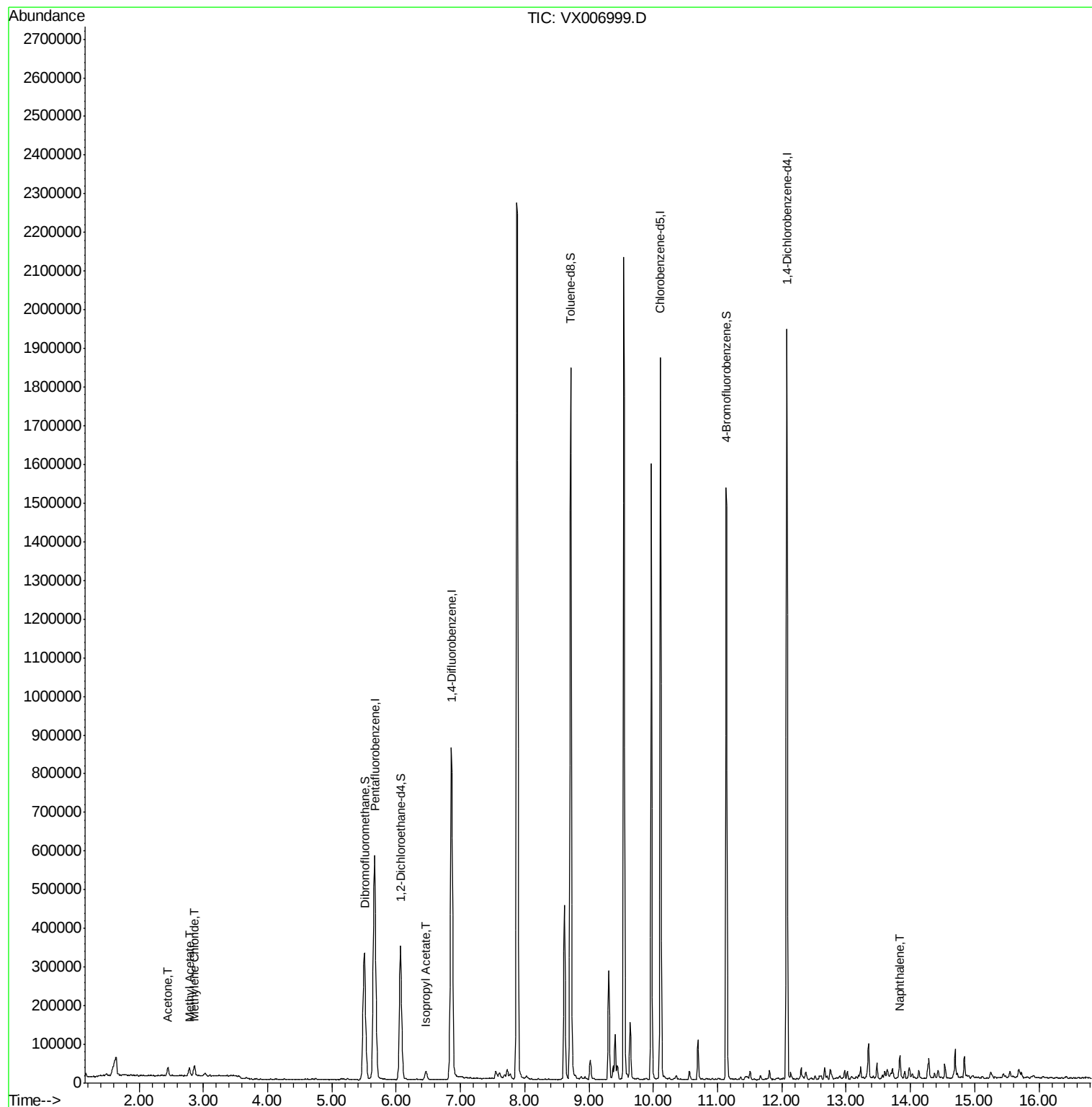
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone            | 2.45  | 43   | 23103    | 7.507 | ug/l   | 97     |
| 18) Methyl Acetate     | 2.78  | 43   | 28140    | 3.157 | ug/l   | 99     |
| 20) Methylene Chloride | 2.86  | 84   | 13142    | 1.698 | ug/l # | 90     |
| 43) Isopropyl Acetate  | 6.46  | 43   | 27090    | 1.990 | ug/l   | 98     |
| 95) Naphthalene        | 13.83 | 128  | 40504    | 1.329 | ug/l   | 97     |

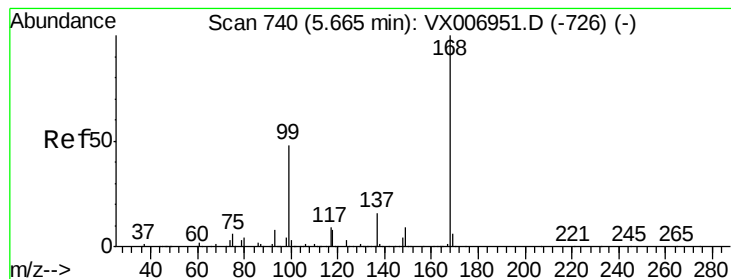
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011019\  
Data File : VX006999.D  
Acq On : 10 Jan 2019 19:20  
Operator : JC/MD  
Sample : K1015-02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-03-010918-A

Quant Time: Jan 11 08:07:29 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 08 14:06:59 2019  
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: VX006999.D

Acq: 10 Jan 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

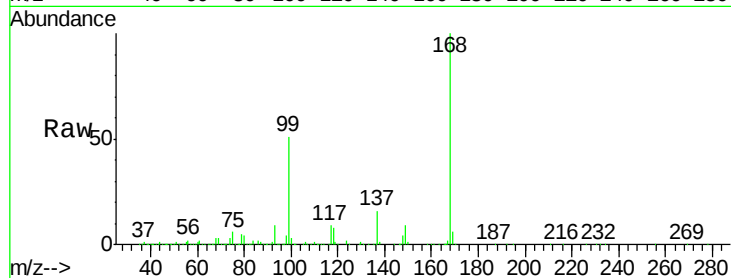
SU-03-010918-A

Tot Ion:168 Resp: 595664

Ion Ratio Lower Upper

168 100

99 51.0 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

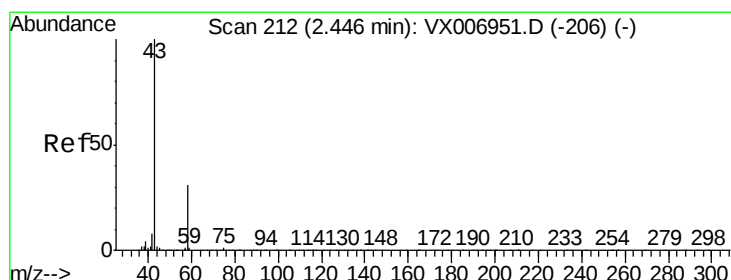
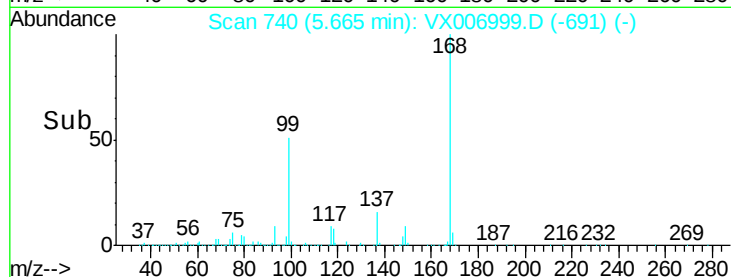
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 7.507 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006999.D

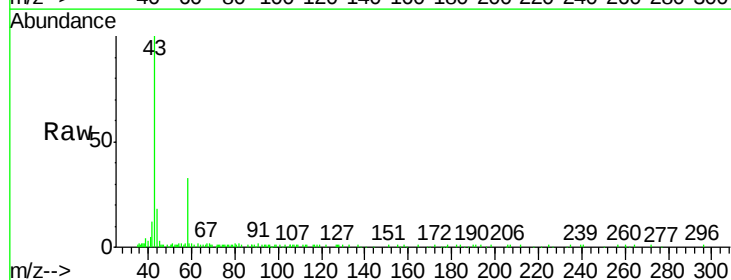
Acq: 10 Jan 2019 19:20

Tgt Ion: 43 Resp: 23103

Ion Ratio Lower Upper

43 100

58 32.8 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

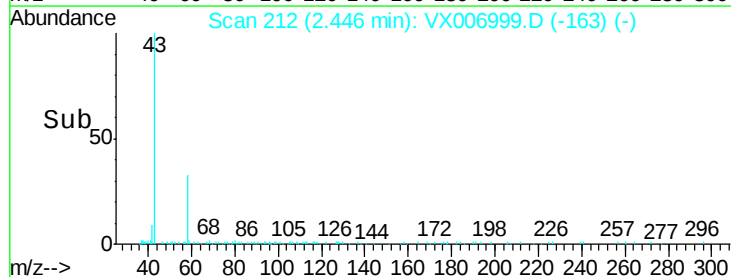
15000

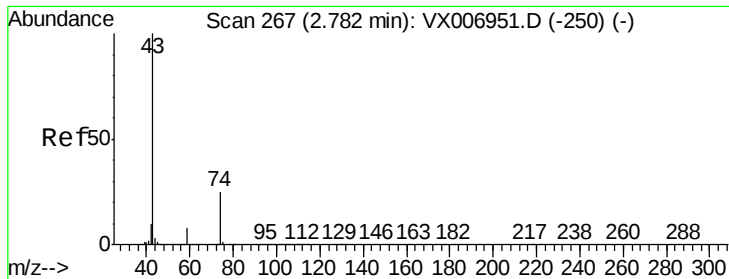
10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55

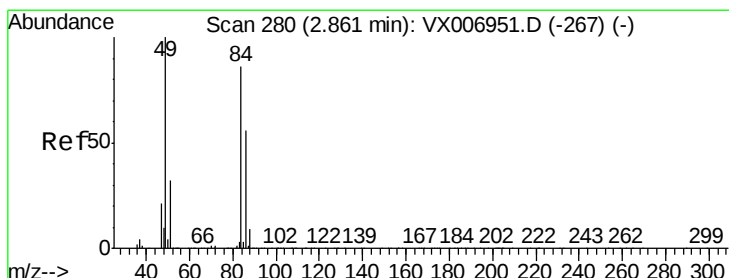
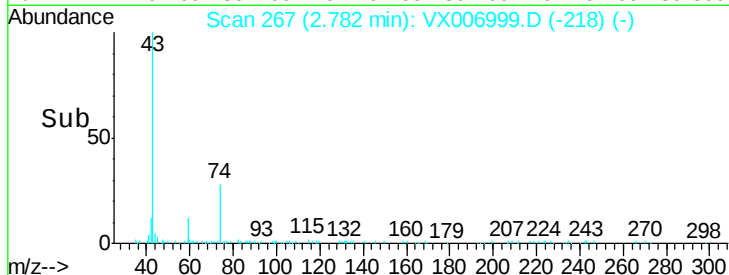
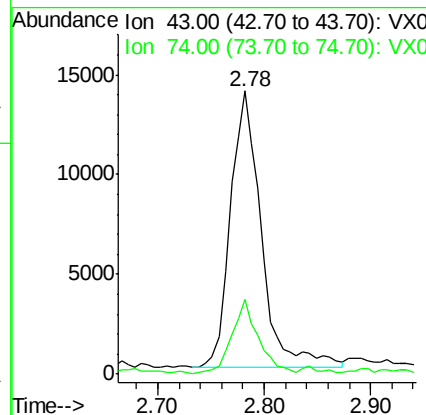
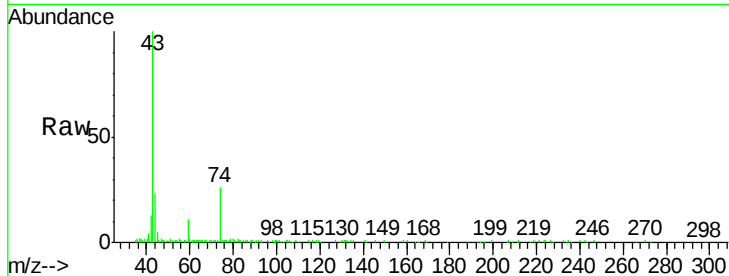




#18  
Methyl Acetate  
Concen: 3.157 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. -0.00 min  
Lab File: VX006999.D  
Acq: 10 Jan 2019 19:20

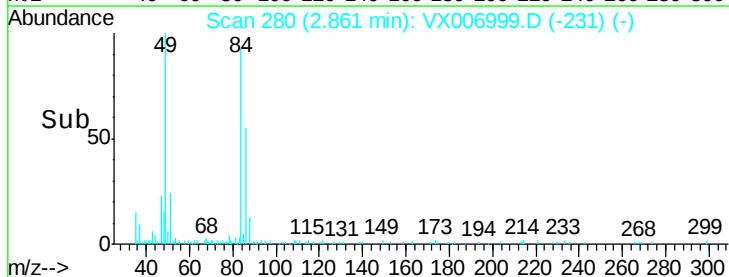
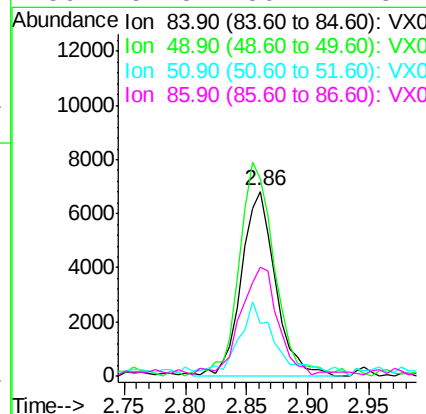
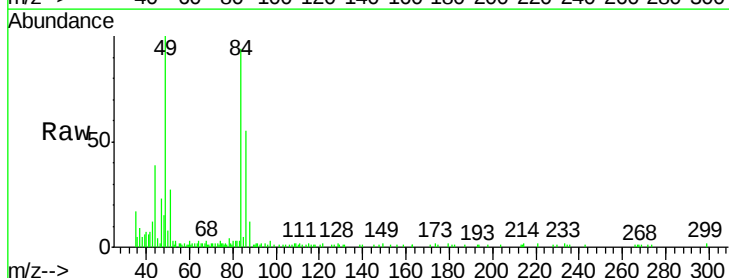
Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-03-010918-A

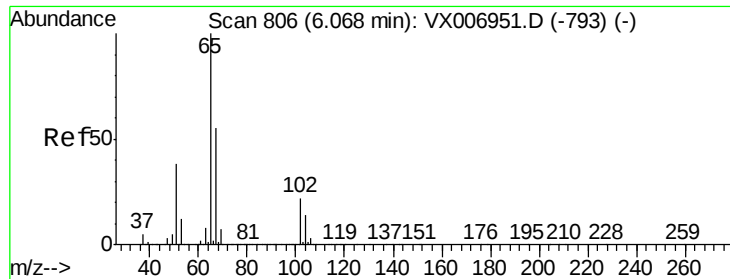
Tot Ion: 43 Resp: 28140  
Ion Ratio Lower Upper  
43 100  
74 23.6 18.6 28.0



#20  
Methylene Chloride  
Concen: 1.698 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX006999.D  
Acq: 10 Jan 2019 19:20

Tgt Ion: 84 Resp: 13142  
Ion Ratio Lower Upper  
84 100  
49 104.5 91.8 137.6  
51 25.9 28.5 42.7#  
86 57.8 50.2 75.2





#33

1,2-Dichloroethane-d4

Concen: 51.323 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006999.D

Acq: 10 Jan 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

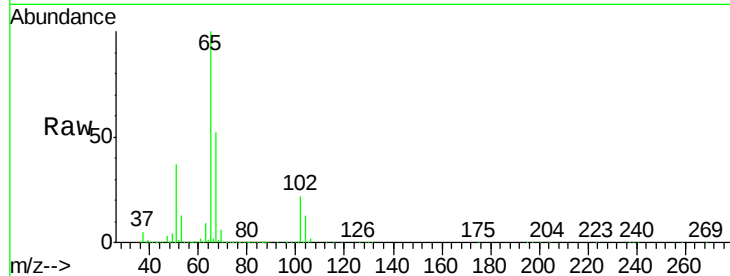
SU-03-010918-A

Tot Ion: 65 Resp: 319497

Ion Ratio Lower Upper

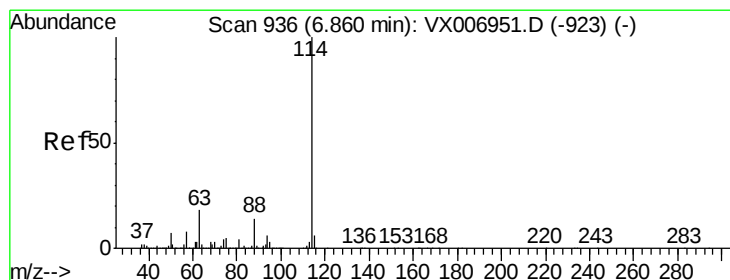
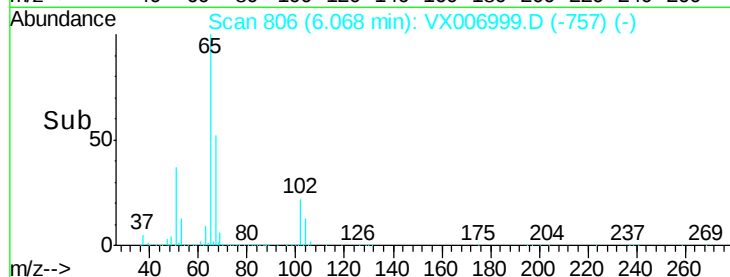
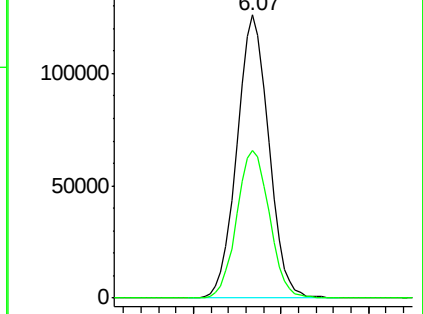
65 100

67 53.9 0.0 105.0



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: VX006999.D

Acq: 10 Jan 2019 19:20

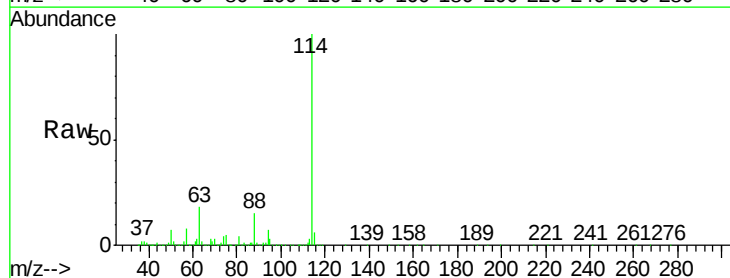
Tgt Ion: 114 Resp: 926067

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

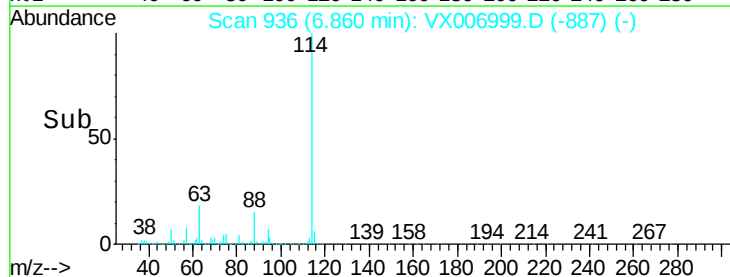
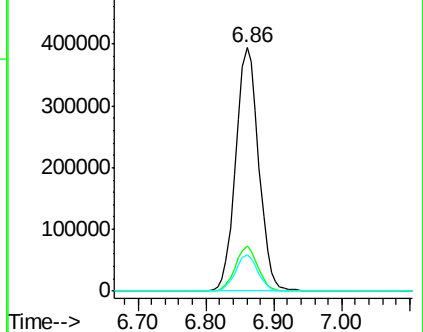
88 15.1 0.0 28.8

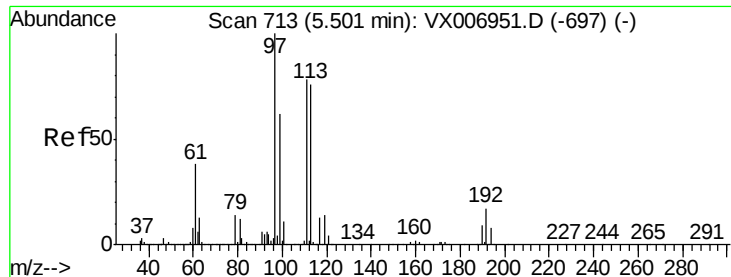


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.922 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006999.D

Acq: 10 Jan 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

SU-03-010918-A

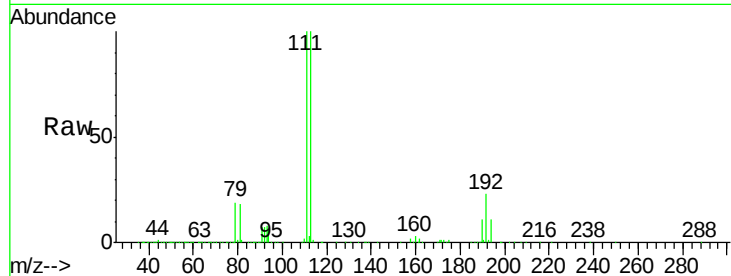
Tot Ion:113 Resp: 278270

Ion Ratio Lower Upper

113 100

111 103.4 81.6 122.4

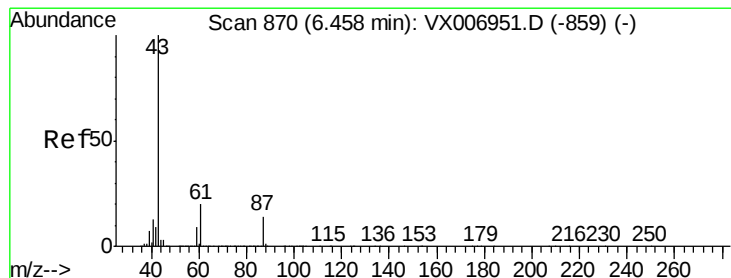
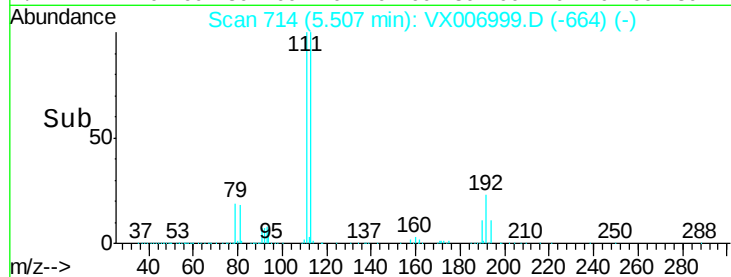
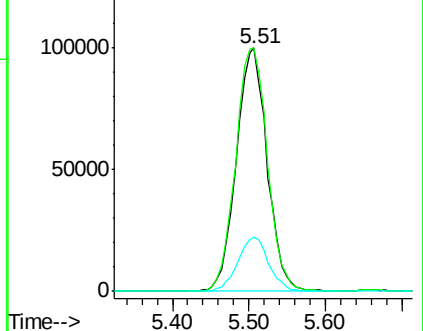
192 22.2 16.7 25.1



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



#43

Isopropyl Acetate

Concen: 1.990 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006999.D

Acq: 10 Jan 2019 19:20

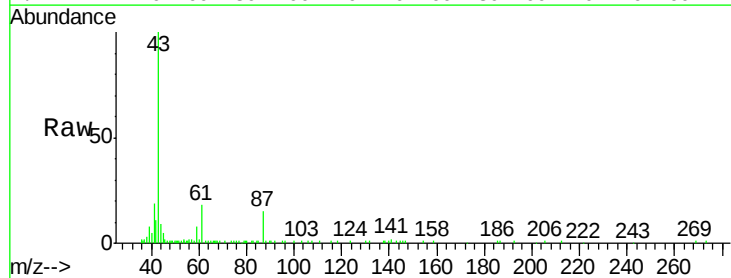
Tgt Ion: 43 Resp: 27090

Ion Ratio Lower Upper

43 100

61 20.8 16.8 25.2

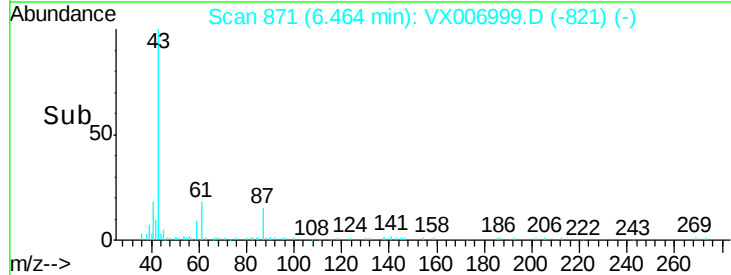
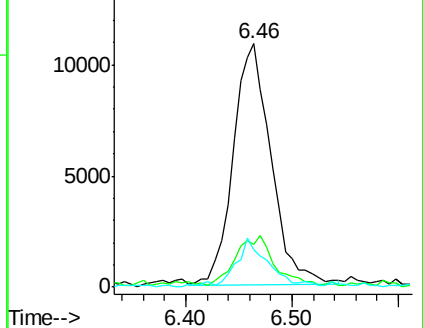
87 16.9 12.4 18.6

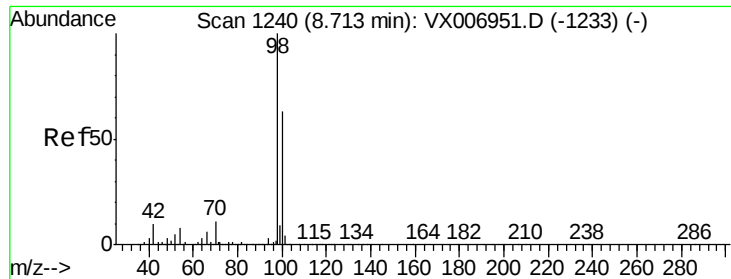


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 51.698 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006999.D

Acq: 10 Jan 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

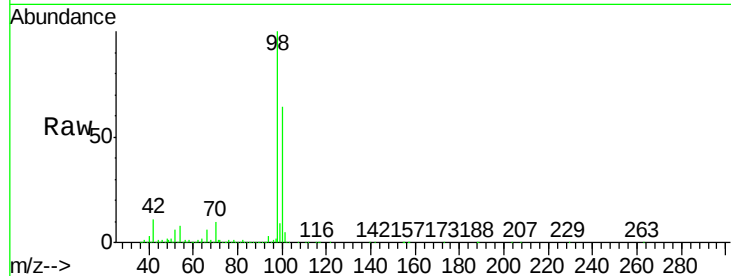
SU-03-010918-A

Tot Ion: 98 Resp: 1122229

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

800000

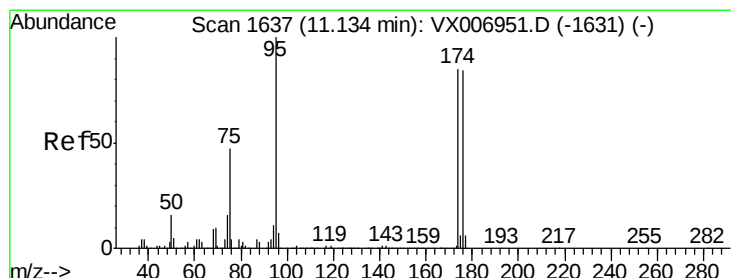
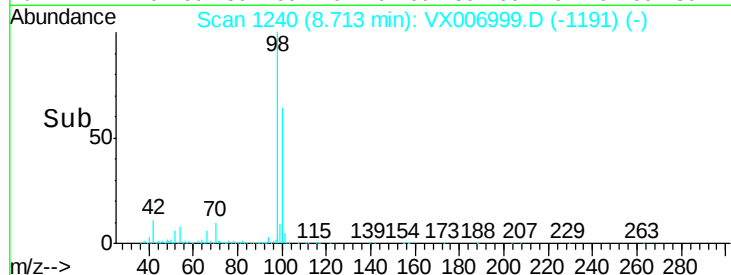
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.256 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX006999.D

Acq: 10 Jan 2019 19:20

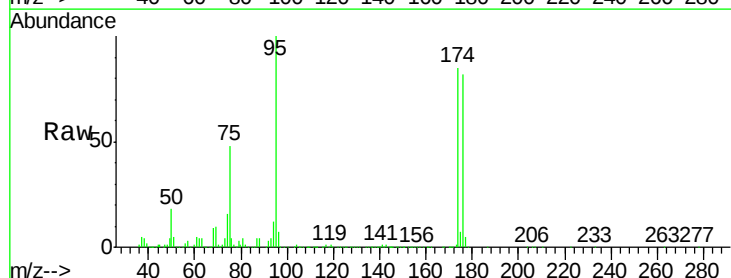
Tgt Ion: 95 Resp: 395457

Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.2

176 89.9 0.0 178.8



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

400000

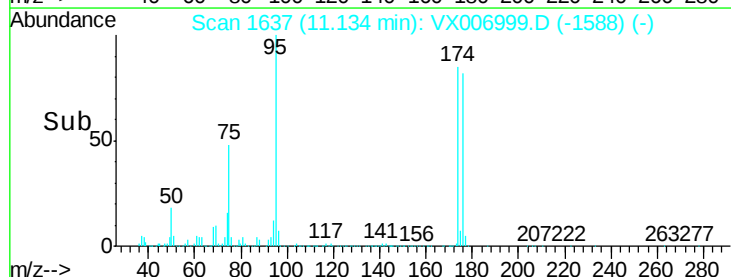
300000

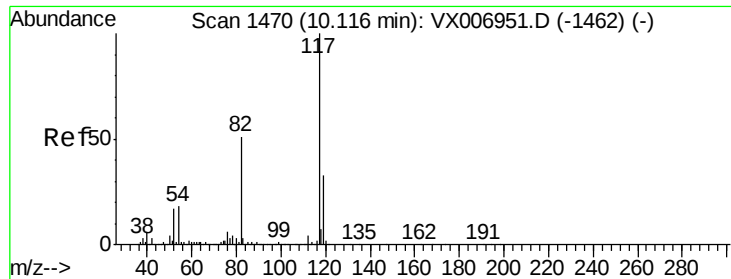
200000

100000

0

Time-->

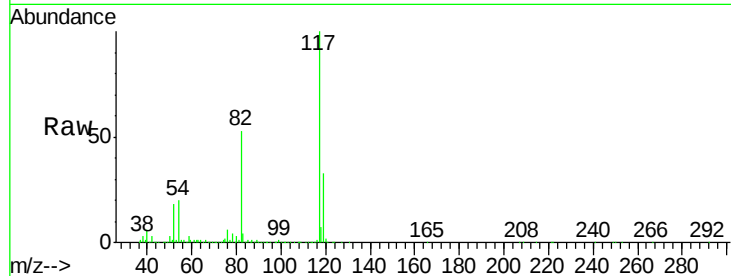




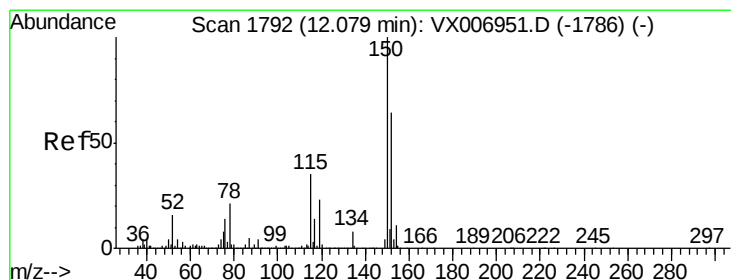
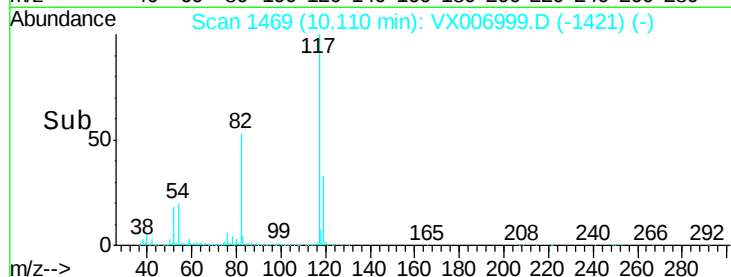
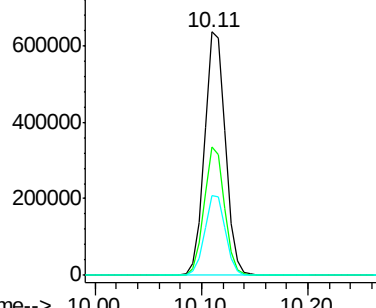
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VX006999.D  
Acq: 10 Jan 2019 19:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-03-010918-A

Tot Ion:117 Resp: 872736  
Ion Ratio Lower Upper  
117 100  
82 52.9 41.0 61.6  
119 32.9 25.4 38.0

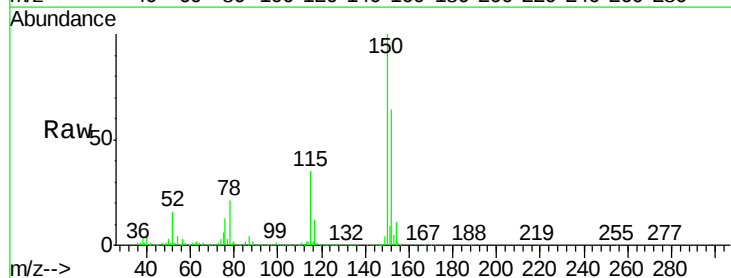


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

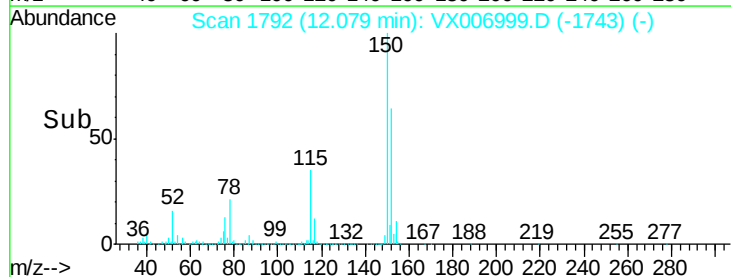
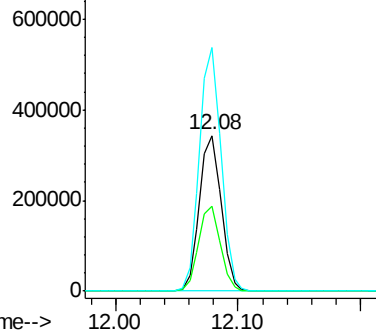


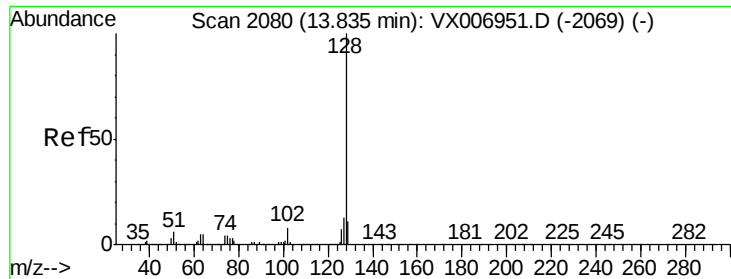
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX006999.D  
Acq: 10 Jan 2019 19:20

Tgt Ion:152 Resp: 422986  
Ion Ratio Lower Upper  
152 100  
115 54.4 39.1 117.2  
150 155.3 0.0 344.8



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





#95

Naphthalene

Concen: 1.329 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX006999.D

Acq: 10 Jan 2019 19:20

Instrument :

MSVOA\_X

ClientSampleId :

SU-03-010918-A

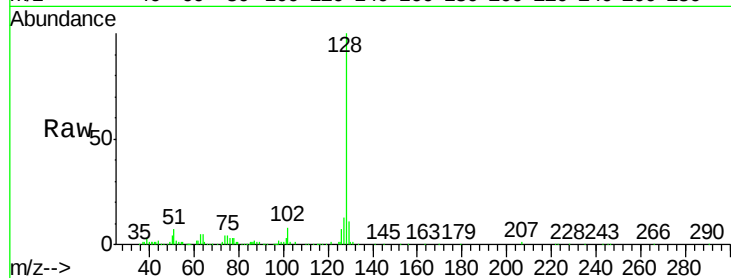
Tot Ion:128 Resp: 40504

Ion Ratio Lower Upper

128 100

127 14.1 10.1 15.1

129 11.9 8.6 13.0



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

