

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071818\  
 Data File : VX003442.D  
 Acq On : 18 Jul 2018 12:55  
 Operator : JC/MD  
 Sample : J3997-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-F-S

Quant Time: Jul 18 15:09:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X071618W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jul 16 13:15:28 2018  
 Response via : Initial Calibration

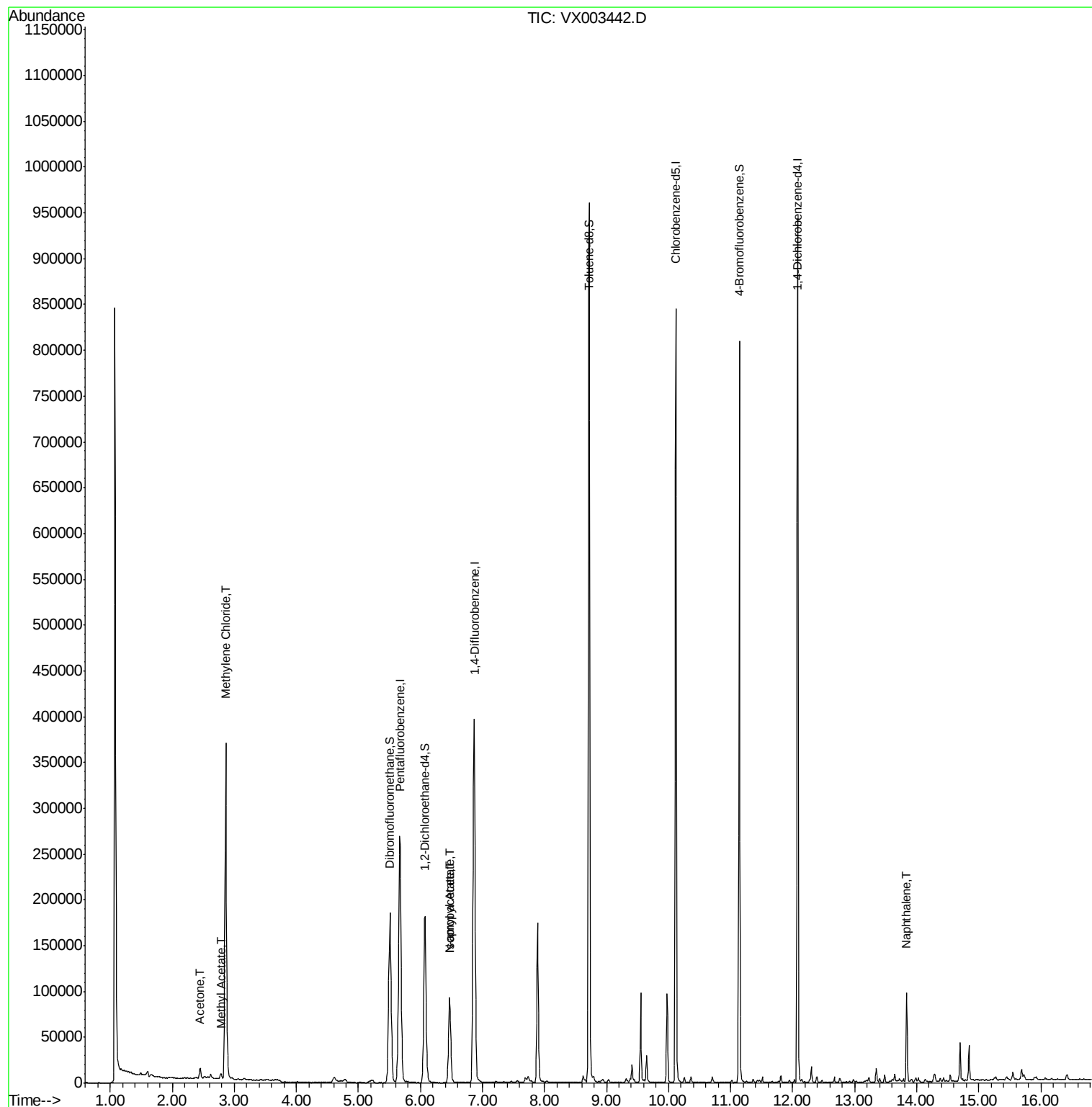
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 289639   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 428732   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 395334   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 211777   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 169407   | 44.66 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.32% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 157794   | 45.49 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.98% |          |
| 50) Toluene-d8              | 8.72  | 98   | 592916   | 46.32 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.64% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 200386   | 43.84 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.68% |          |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       |        | Qvalue   |
| 16) Acetone                 | 2.45  | 43   | 12493    | 7.92  | ug/l # | 88       |
| 18) Methyl Acetate          | 2.78  | 43   | 7138     | 1.39  | ug/l # | 91       |
| 20) Methylene Chloride      | 2.86  | 84   | 175285   | 61.43 | ug/l   | 92       |
| 43) Isopropyl Acetate       | 6.47  | 43   | 116272   | 15.75 | ug/l # | 93       |
| 74) N-amyl acetate          | 6.47  | 43   | 116272   | 17.83 | ug/l # | 93       |
| 95) Naphthalene             | 13.83 | 128  | 63557    | 4.58  | ug/l   | 100      |

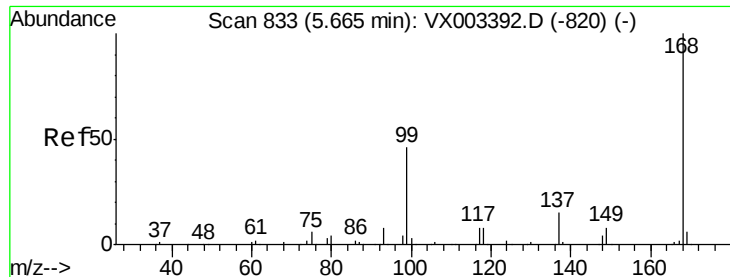
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071818\  
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Instrument :  
MSVOA\_X  
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TP-F-S

Quant Time: Jul 18 15:09:06 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X071618W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jul 16 13:15:28 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003442.D

Acq: 18 Jul 2018 12:55

Instrument :

MSVOA\_X

ClientSampleId :

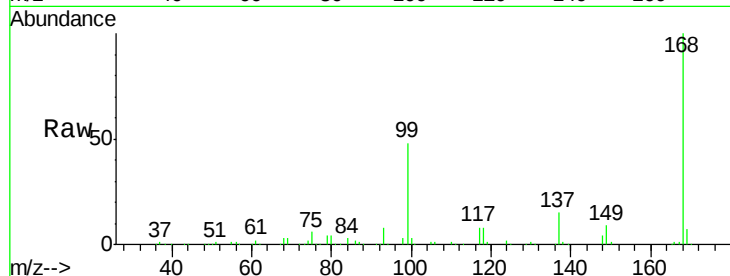
TP-F-S

Tot Ion:168 Resp: 289639

Ion Ratio Lower Upper

168 100

99 47.6 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

120000

100000

80000

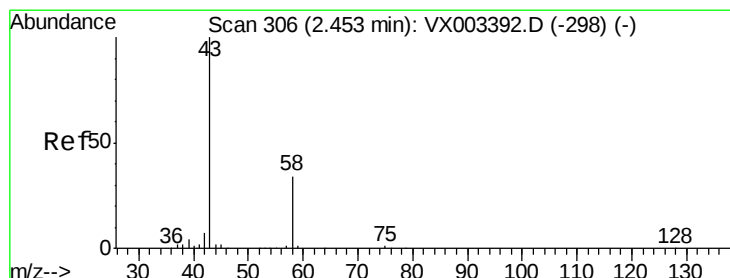
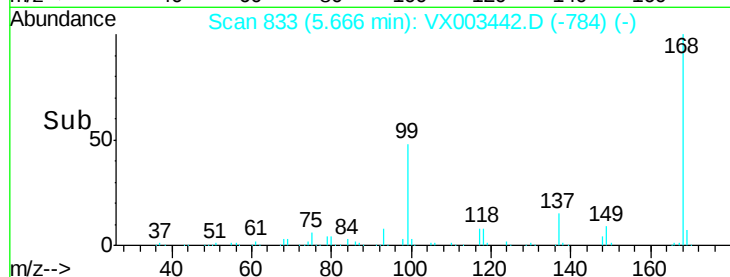
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 7.92 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX003442.D

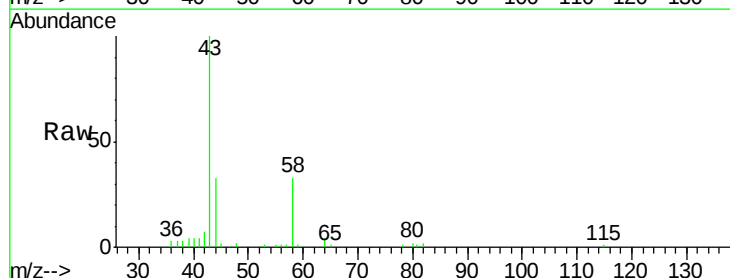
Acq: 18 Jul 2018 12:55

Tgt Ion: 43 Resp: 12493

Ion Ratio Lower Upper

43 100

58 33.9 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

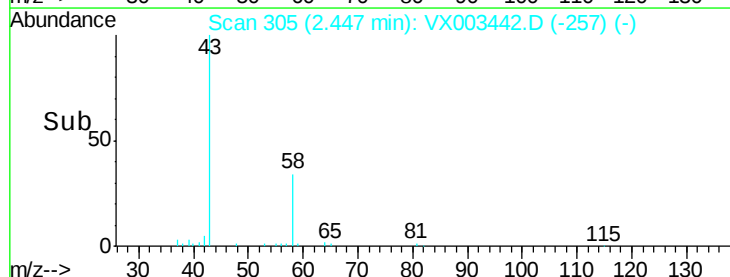
6000

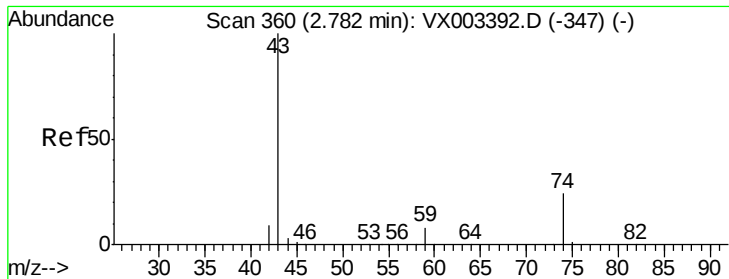
4000

2000

0

Time-->

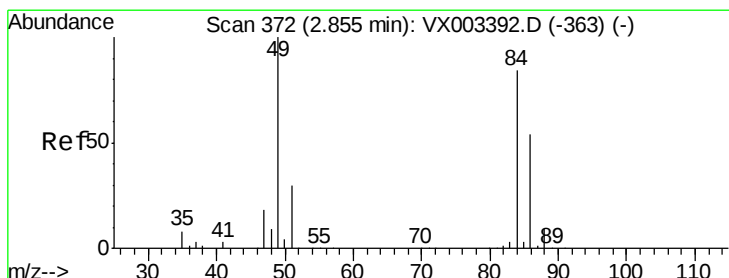
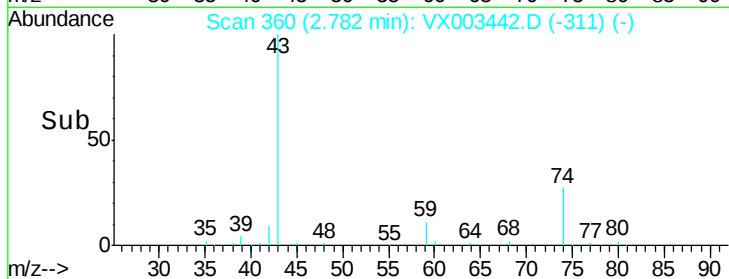
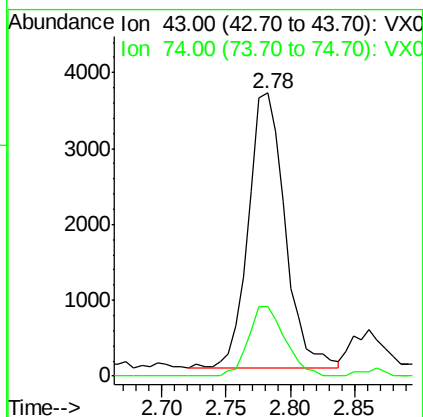
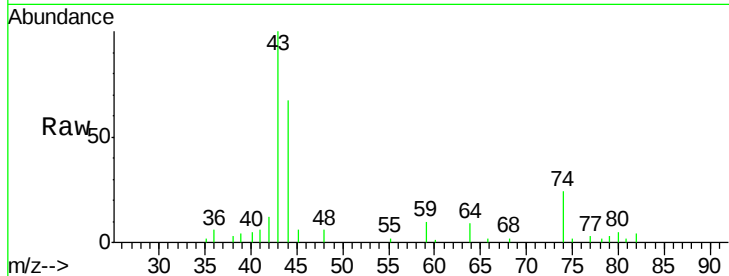




#18  
Methyl Acetate  
Concen: 1.39 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX003442.D  
Acq: 18 Jul 2018 12:55

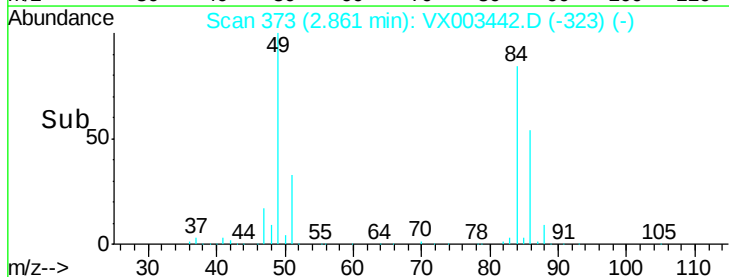
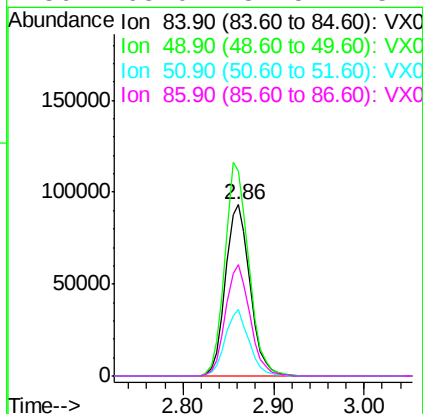
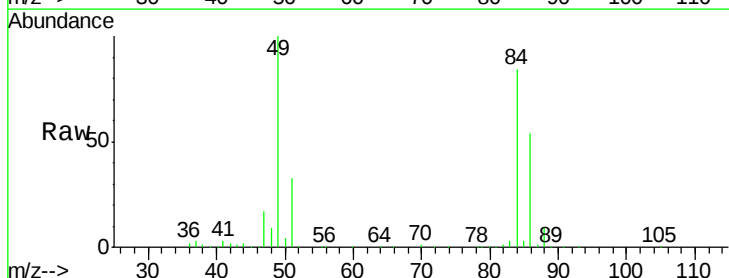
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-F-S

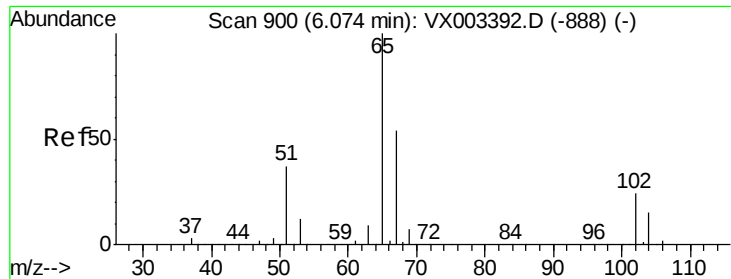
Tot Ion: 43 Resp: 7138  
Ion Ratio Lower Upper  
43 100  
74 25.2 16.7 25.1#



#20  
Methylene Chloride  
Concen: 61.43 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.01 min  
Lab File: VX003442.D  
Acq: 18 Jul 2018 12:55

Tgt Ion: 84 Resp: 175285  
Ion Ratio Lower Upper  
84 100  
49 119.3 107.8 161.6  
51 38.7 32.8 49.2  
86 65.0 52.5 78.7





#33

1,2-Dichloroethane-d4

Concen: 44.66 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003442.D

Acq: 18 Jul 2018 12:55

Instrument :

MSVOA\_X

ClientSampleId :

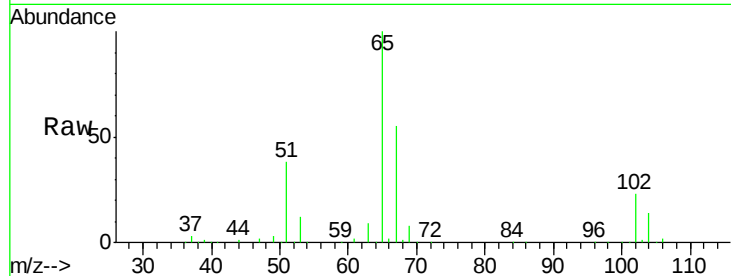
TP-F-S

Tot Ion: 65 Resp: 169407

Ion Ratio Lower Upper

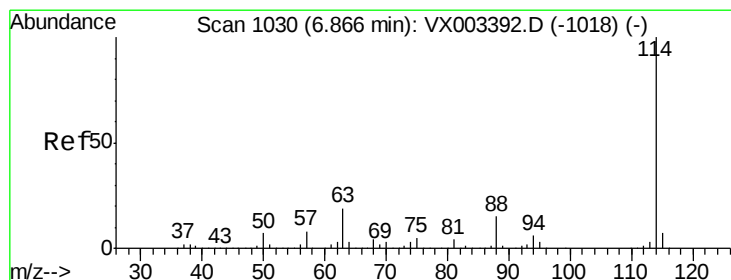
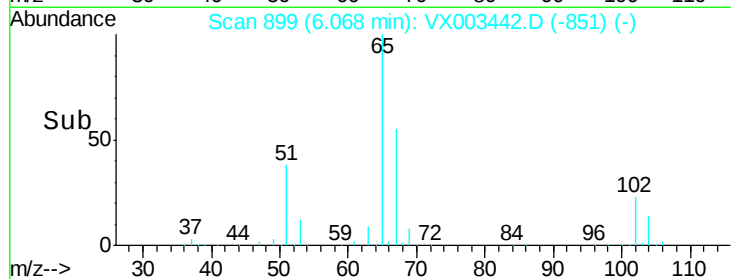
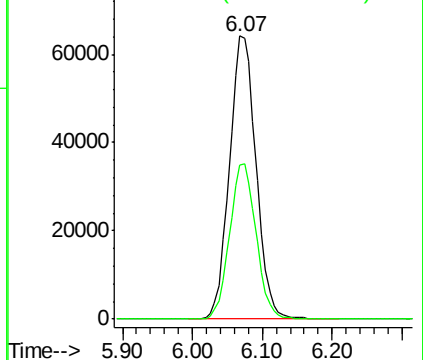
65 100

67 54.5 0.0 102.6



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: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003442.D

Acq: 18 Jul 2018 12:55

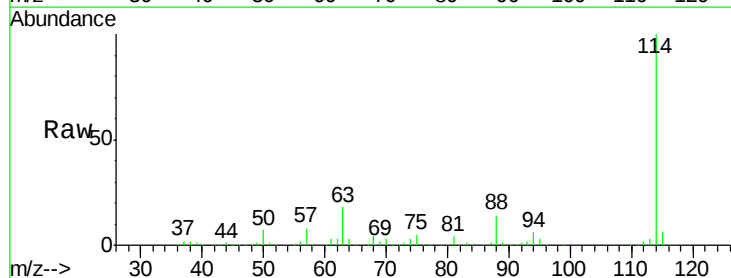
Tgt Ion: 114 Resp: 428732

Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.4

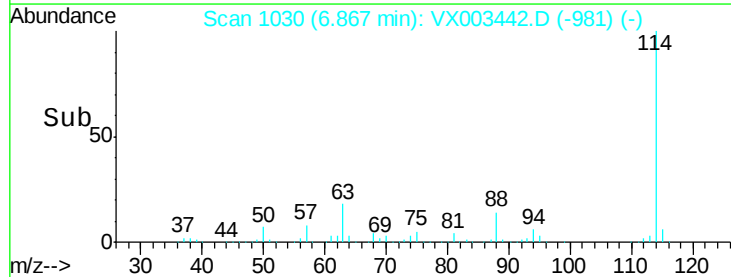
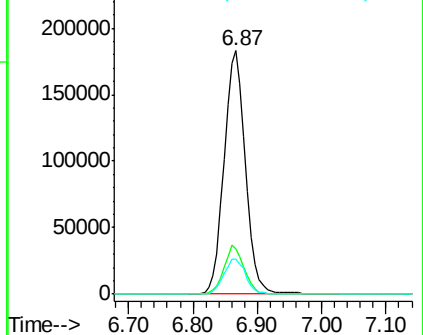
88 14.3 0.0 30.0

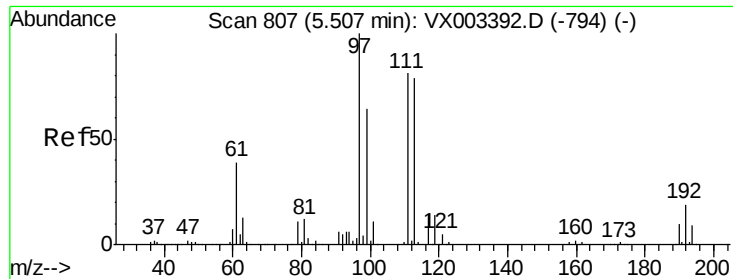


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

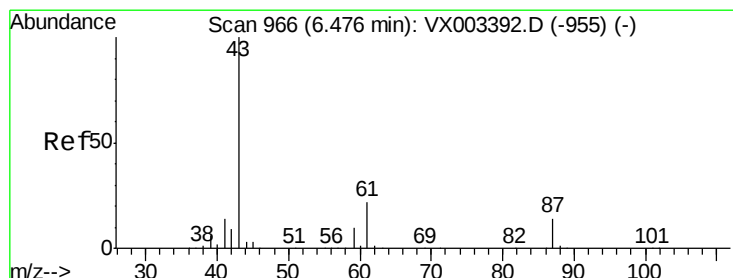
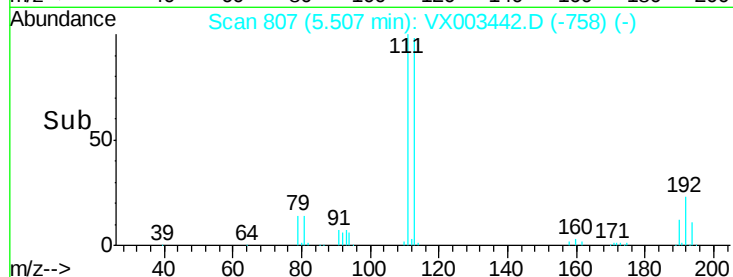
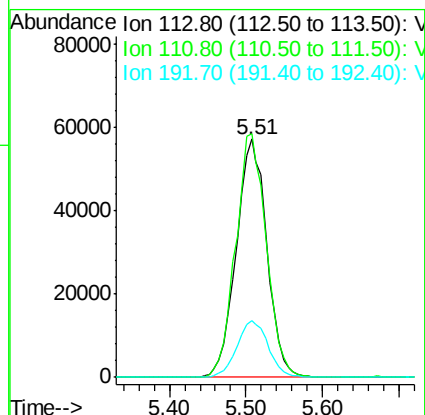
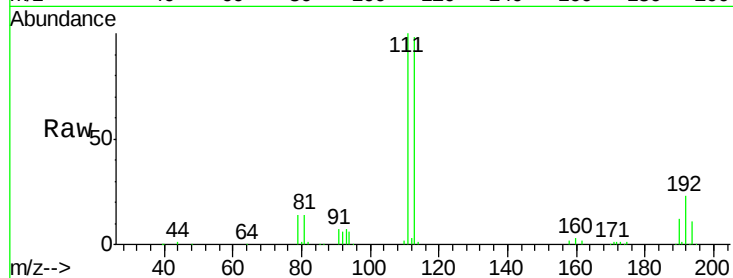




#35  
 Dibromofluoromethane  
 Concen: 45.49 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.00 min  
 Lab File: VX003442.D  
 Acq: 18 Jul 2018 12:55

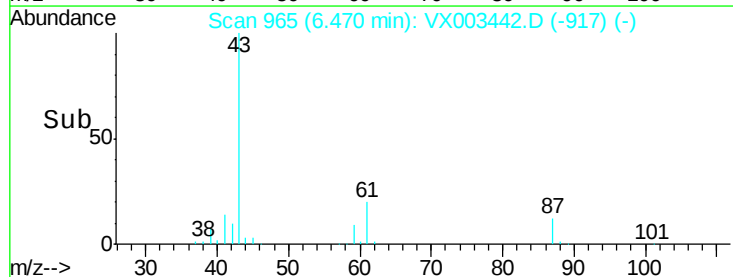
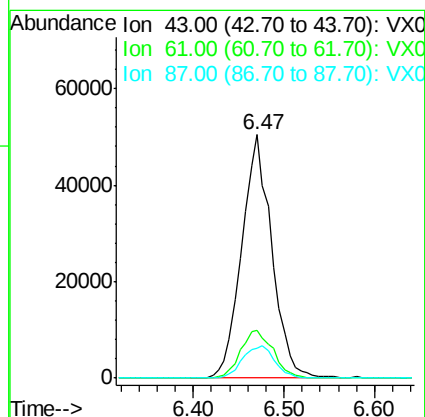
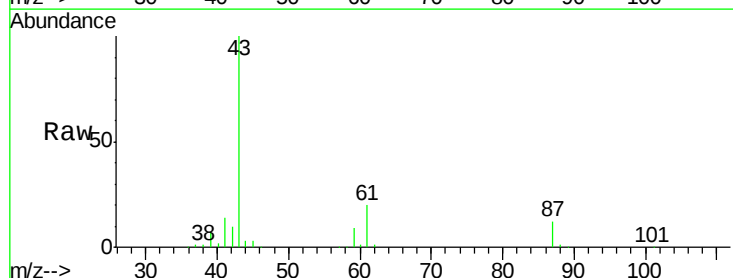
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TP-F-S

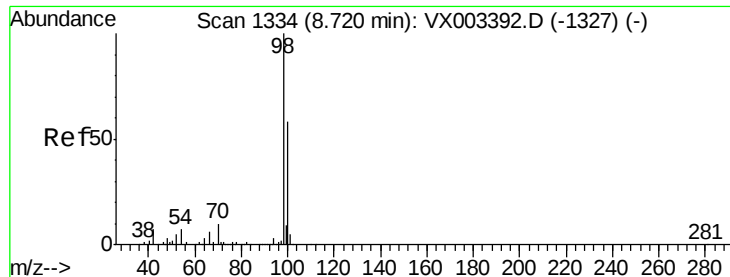
Tot Ion:113 Resp: 157794  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 81.4 122.0  
 192 24.3 19.1 28.7



#43  
 Isopropyl Acetate  
 Concen: 15.75 ug/l  
 RT: 6.47 min Scan# 965  
 Delta R.T. -0.01 min  
 Lab File: VX003442.D  
 Acq: 18 Jul 2018 12:55

Tgt Ion: 43 Resp: 116272  
 Ion Ratio Lower Upper  
 43 100  
 61 21.2 14.4 21.6  
 87 14.4 9.5 14.3#

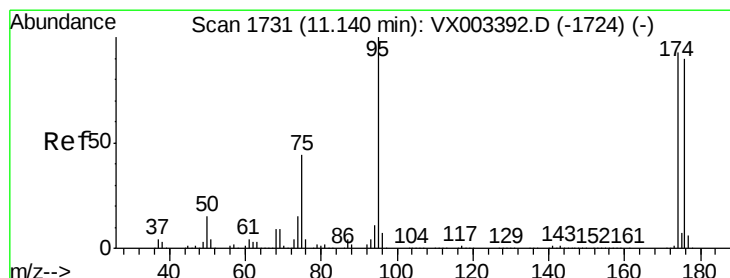
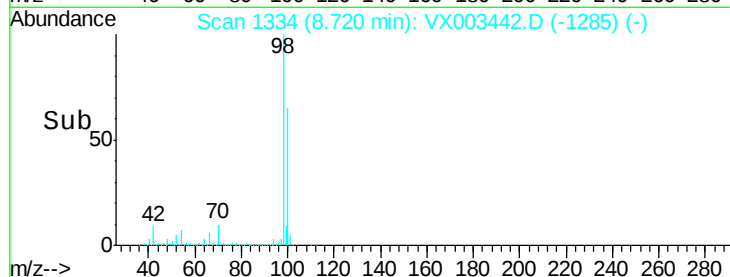
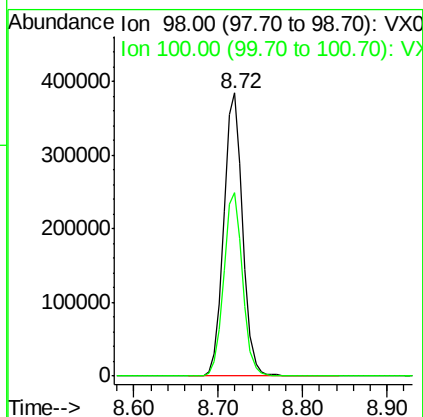
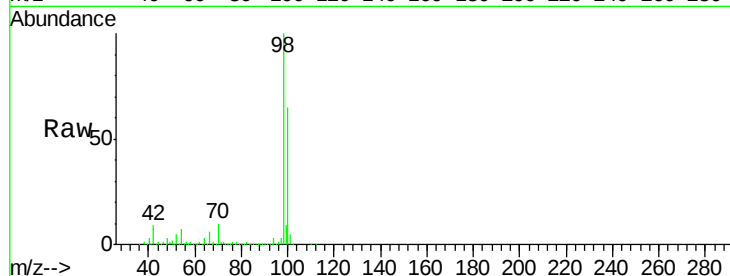




#50  
Toluene-d8  
Concen: 46.32 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX003442.D  
Acq: 18 Jul 2018 12:55

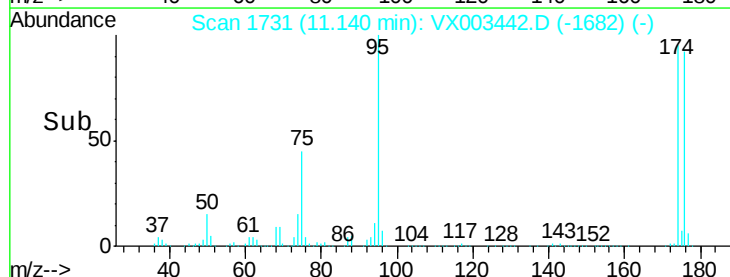
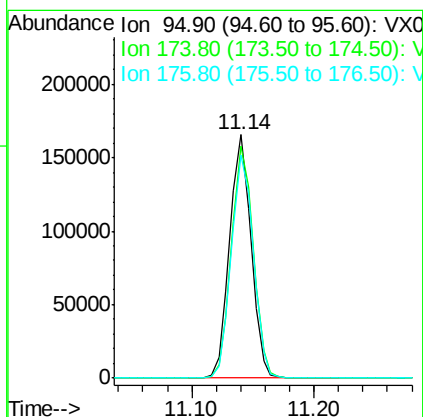
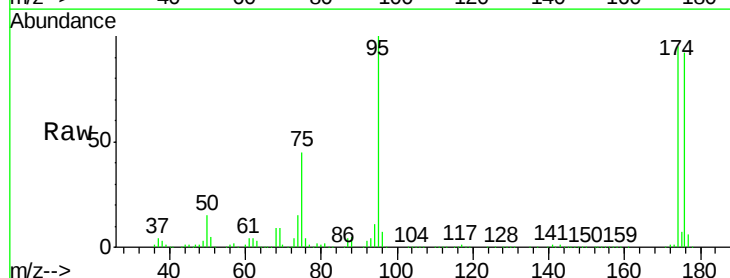
Instrument :  
MSVOA\_X  
ClientSampleId :  
TP-F-S

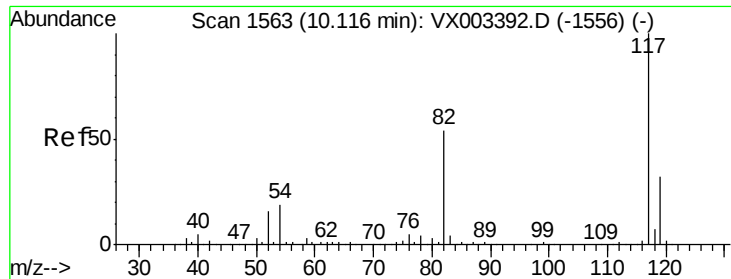
Tot Ion: 98 Resp: 592916  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 43.84 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX003442.D  
Acq: 18 Jul 2018 12:55

Tgt Ion: 95 Resp: 200386  
Ion Ratio Lower Upper  
95 100  
174 97.7 0.0 187.4  
176 93.9 0.0 181.0

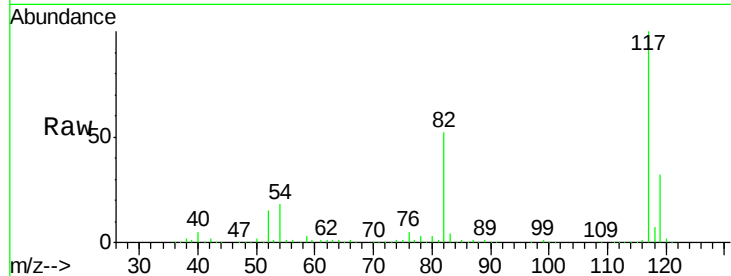




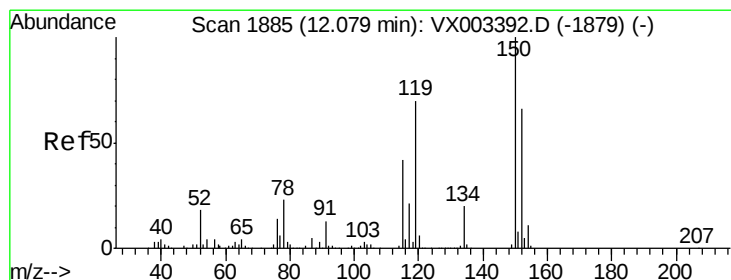
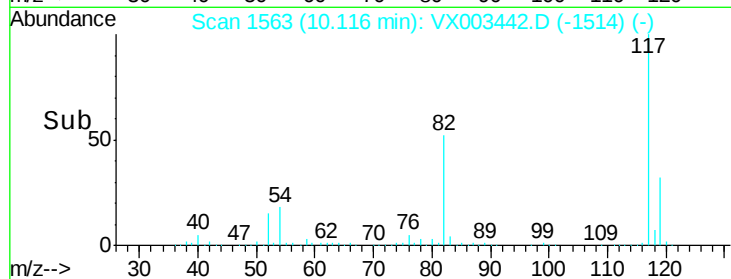
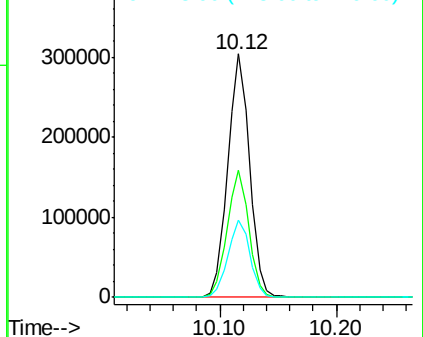
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX003442.D  
Acq: 18 Jul 2018 12:55

Instrument :  
MSVOA\_X  
ClientSampled :  
TP-F-S

Tot Ion:117 Resp: 395334  
Ion Ratio Lower Upper  
117 100  
82 52.3 45.0 67.4  
119 31.8 25.8 38.6

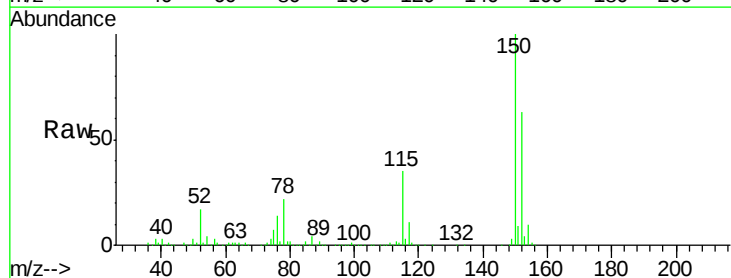


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

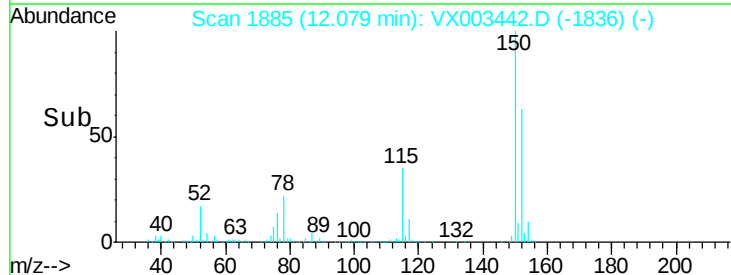
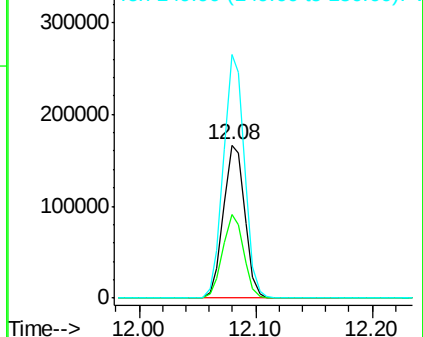


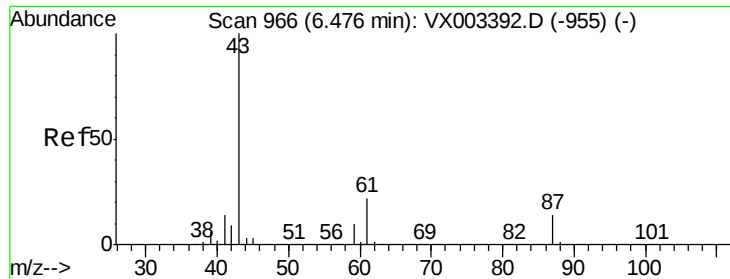
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1885  
Delta R.T. 0.00 min  
Lab File: VX003442.D  
Acq: 18 Jul 2018 12:55

Tgt Ion:152 Resp: 211777  
Ion Ratio Lower Upper  
152 100  
115 53.4 40.1 120.2  
150 156.2 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





#74

N-amvl acetate

Concen: 17.83 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003442.D

Acq: 18 Jul 2018 12:55

Instrument :

MSVOA\_X

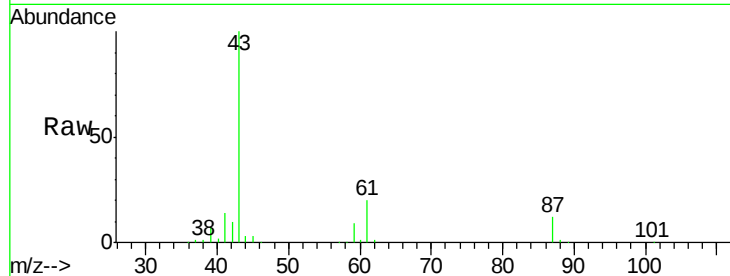
ClientSampleId :

TP-F-S

Tot Ion: 43 Resp: 116272

Ion Ratio Lower Upper

|    |      |      |      |
|----|------|------|------|
| 43 | 100  |      |      |
| 70 | 0.0  | 0.0  | 0.0  |
| 55 | 0.0  | 0.0  | 0.0# |
| 61 | 21.2 | 14.4 | 21.6 |

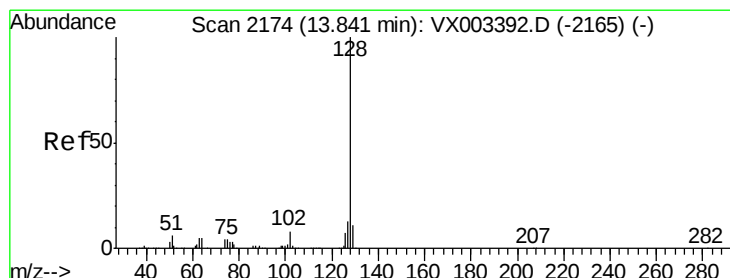
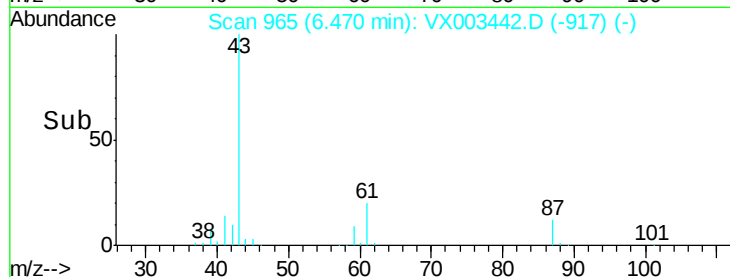
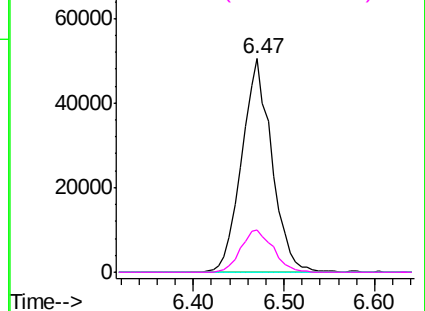


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#95

Naphthalene

Concen: 4.58 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

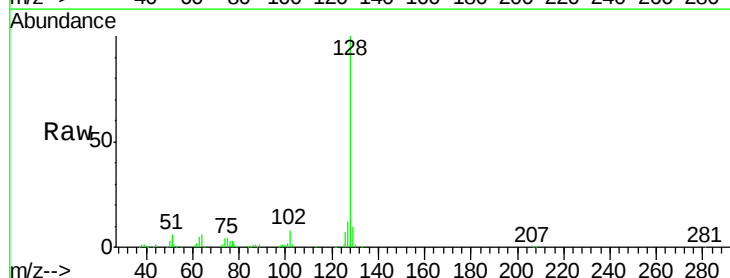
Lab File: VX003442.D

Acq: 18 Jul 2018 12:55

Tgt Ion: 128 Resp: 63557

Ion Ratio Lower Upper

|     |      |      |      |
|-----|------|------|------|
| 128 | 100  |      |      |
| 127 | 12.9 | 10.4 | 15.6 |
| 129 | 10.8 | 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

