

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090718\  
 Data File : VX004433.D  
 Acq On : 08 Sep 2018 03:39  
 Operator : JC/MD  
 Sample : J4779-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-03-090618-B

Quant Time: Sep 08 05:57:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 299662   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 502085   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 475381   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 276259   | 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   | 214105   | 54.82 | ug/l  | 0.00     |
| Spiked Amount               |       |      |          |       |       |          |
|                             |       |      |          |       |       |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 188934   | 50.58 | ug/l  | 0.00     |
| Spiked Amount               |       |      |          |       |       |          |
|                             |       |      |          |       |       |          |
| 50) Toluene-d8              | 8.71  | 98   | 728785   | 51.69 | ug/l  | 0.00     |
| Spiked Amount               |       |      |          |       |       |          |
|                             |       |      |          |       |       |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 259278   | 49.29 | ug/l  | 0.00     |
| Spiked Amount               |       |      |          |       |       |          |
|                             |       |      |          |       |       |          |

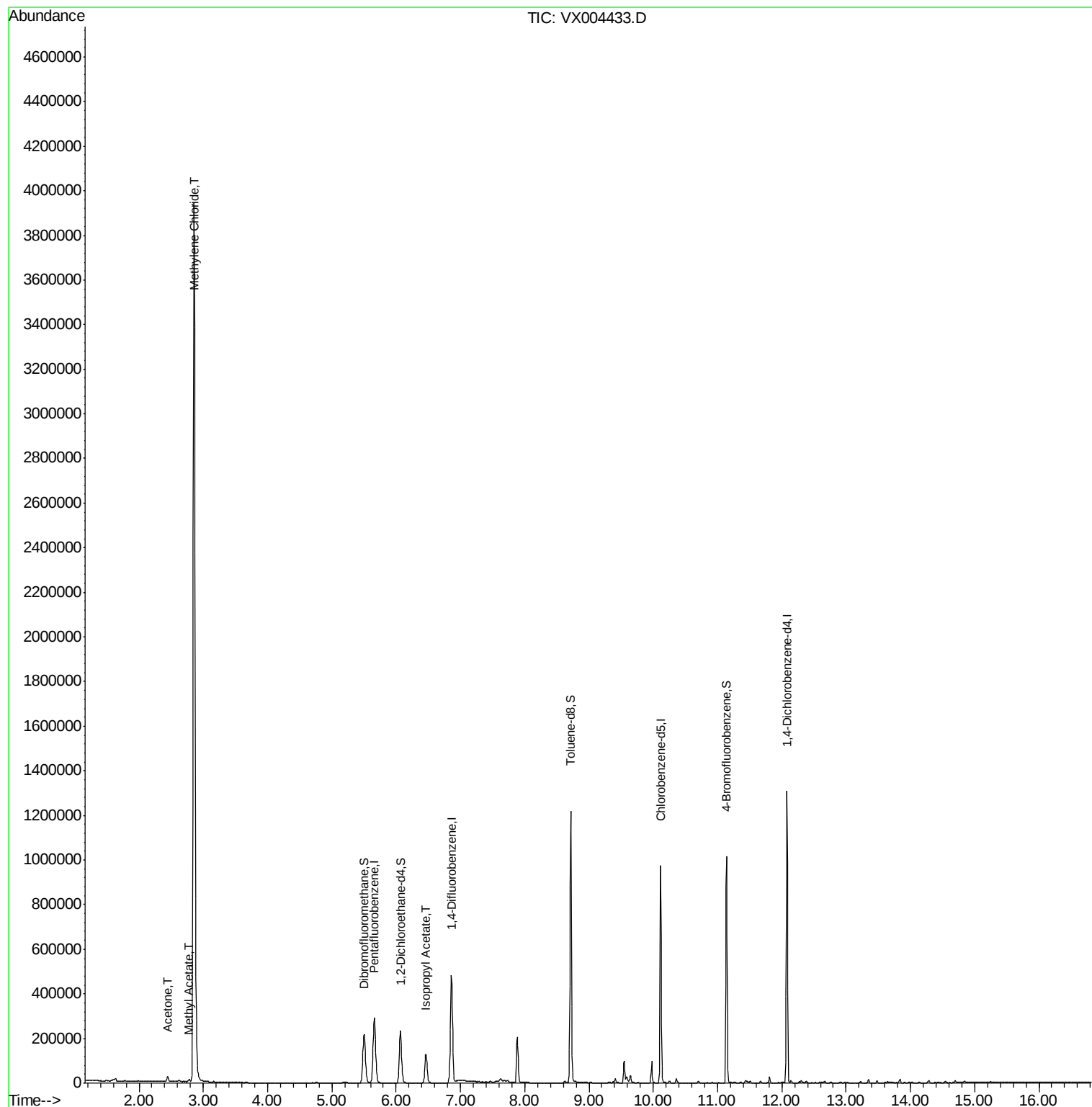
| Target Compounds       | R.T. | QIon | Response | Conc   | Units | Qvalue |
|------------------------|------|------|----------|--------|-------|--------|
| 16) Acetone            | 2.45 | 43   | 23311    | 6.77   | ug/l  | 97     |
| 18) Methyl Acetate     | 2.78 | 43   | 13658    | 2.36   | ug/l  | 97     |
| 20) Methylene Chloride | 2.85 | 84   | 1932004  | 513.87 | ug/l  | 98     |
| 43) Isopropyl Acetate  | 6.46 | 43   | 169381   | 19.86  | ug/l  | 99     |

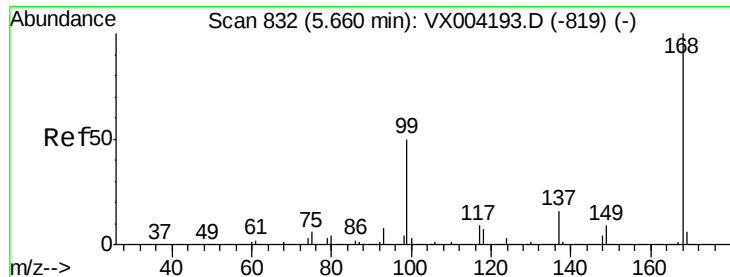
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX004433.D

Acq: 08 Sep 2018 03:39

Instrument :

MSVOA\_X

ClientSampleId :

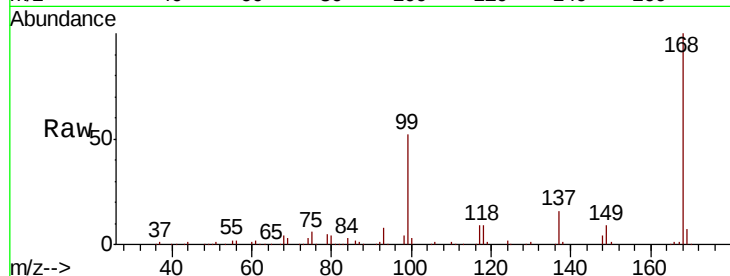
SU-03-090618-B

Tot Ion:168 Resp: 299662

Ion Ratio Lower Upper

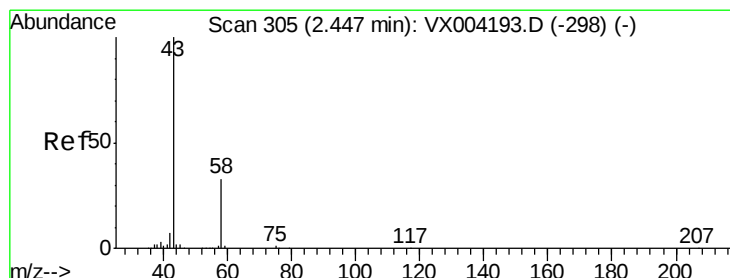
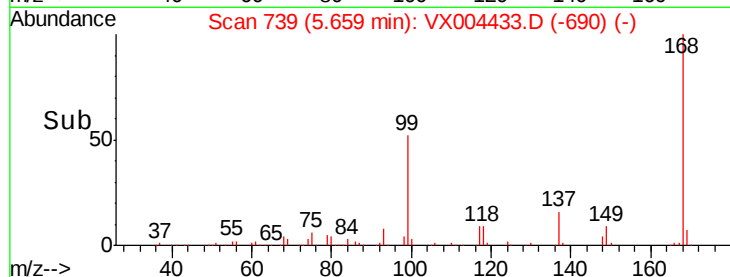
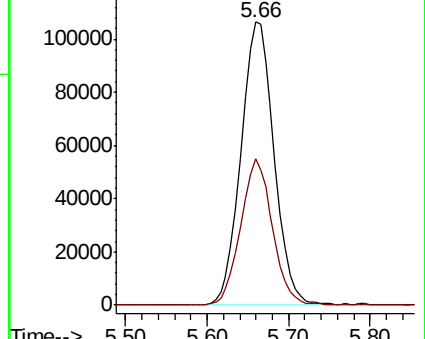
168 100

99 51.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 6.77 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004433.D

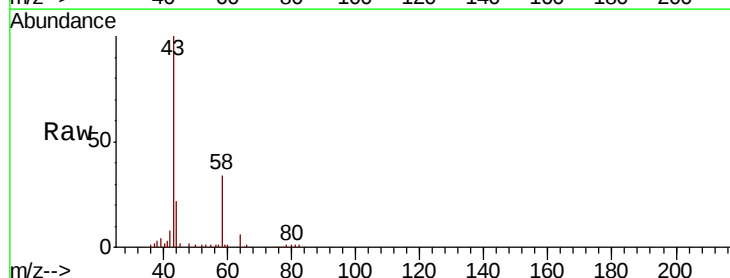
Acq: 08 Sep 2018 03:39

Tgt Ion: 43 Resp: 23311

Ion Ratio Lower Upper

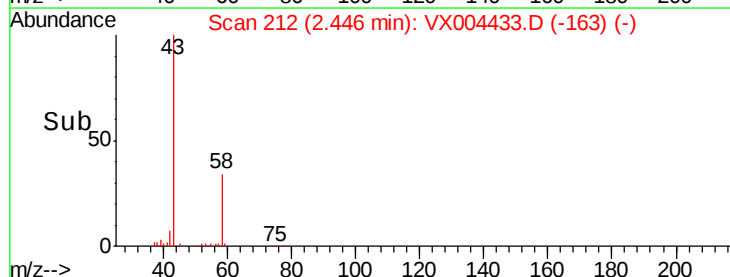
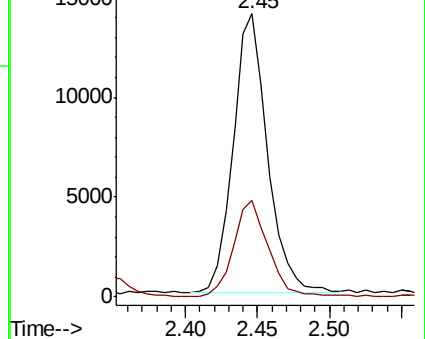
43 100

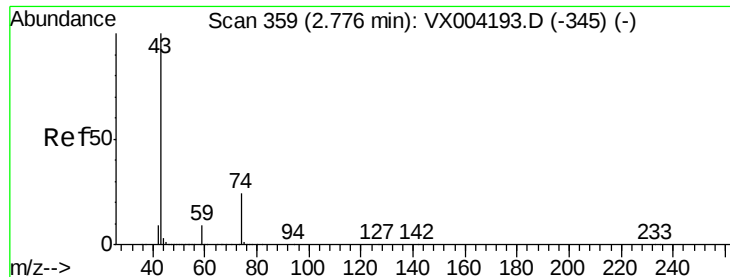
58 34.4 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

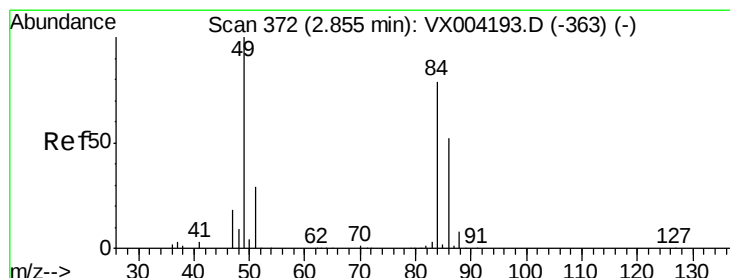
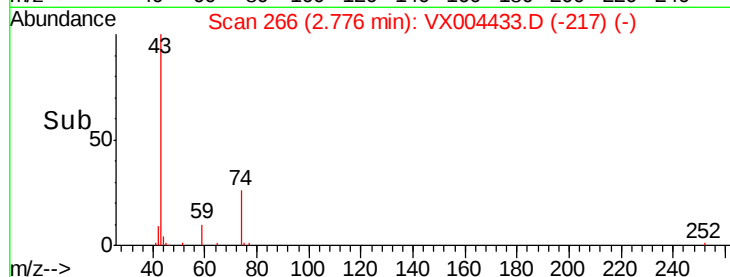
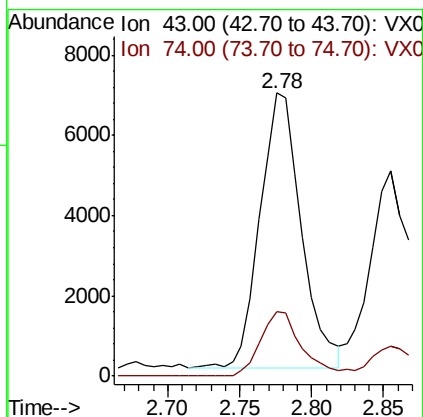
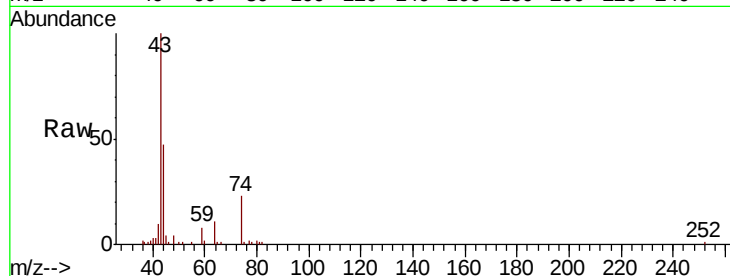




#18  
Methvl Acetate  
Concen: 2.36 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX004433.D  
Acq: 08 Sep 2018 03:39

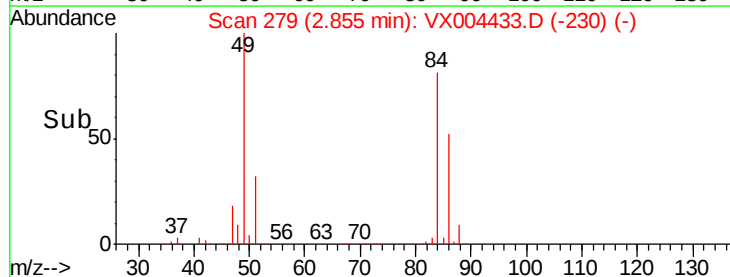
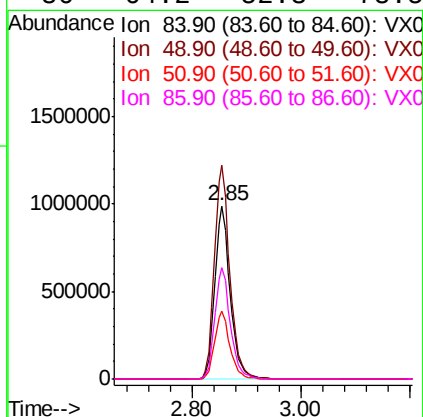
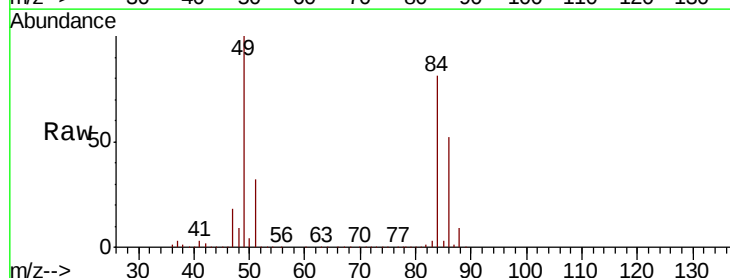
Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-03-090618-B

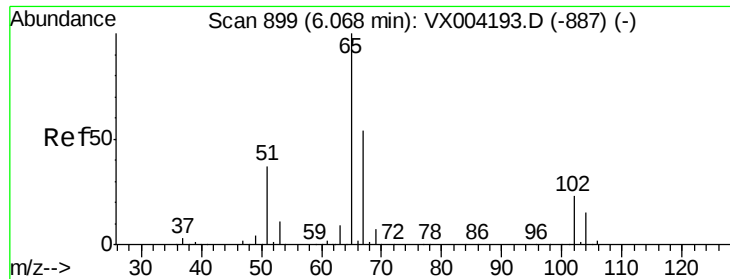
Tot Ion: 43 Resp: 13658  
Ion Ratio Lower Upper  
43 100  
74 22.8 19.4 29.2



#20  
Methylene Chloride  
Concen: 513.87 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX004433.D  
Acq: 08 Sep 2018 03:39

Tgt Ion: 84 Resp: 1932004  
Ion Ratio Lower Upper  
84 100  
49 123.6 101.2 151.8  
51 39.2 29.5 44.3  
86 64.2 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 54.82 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004433.D

Acq: 08 Sep 2018 03:39

Instrument :

MSVOA\_X

ClientSampleId :

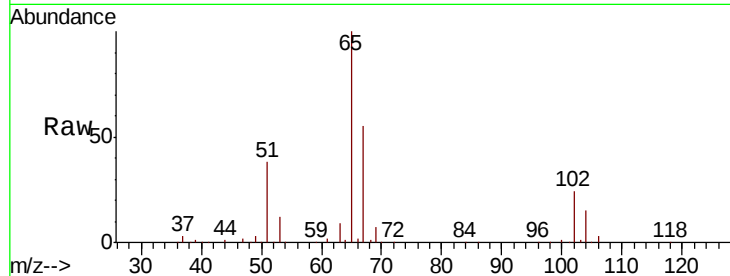
SU-03-090618-B

Tot Ion: 65 Resp: 214105

Ion Ratio Lower Upper

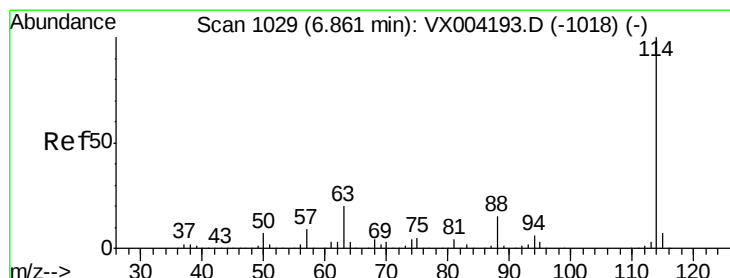
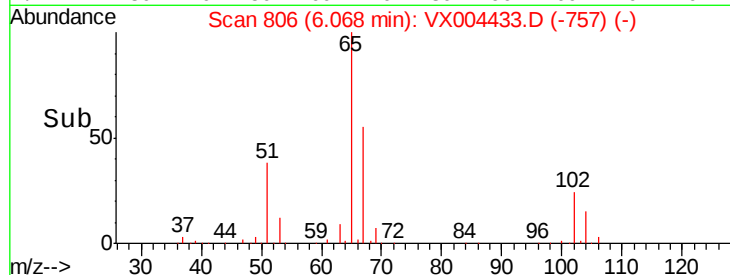
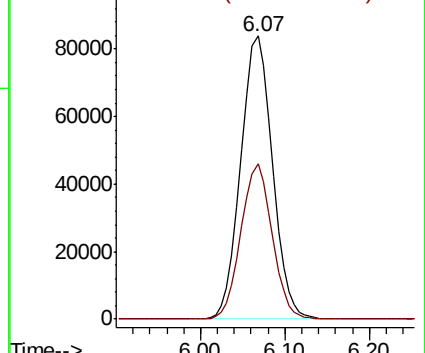
65 100

67 53.8 0.0 106.8



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: VX004433.D

Acq: 08 Sep 2018 03:39

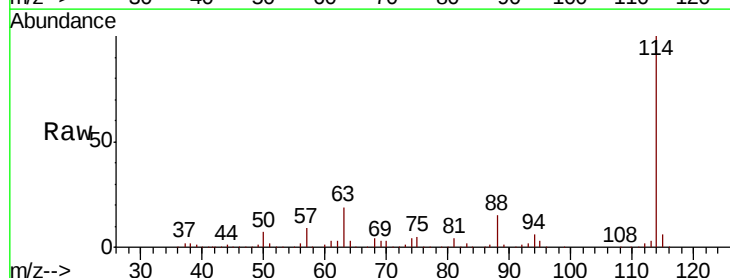
Tgt Ion: 114 Resp: 502085

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

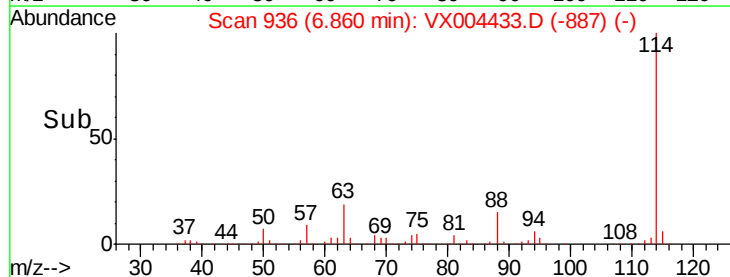
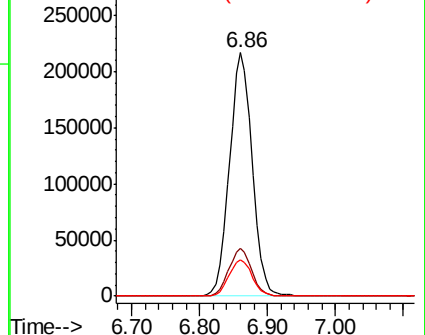
88 14.8 0.0 30.4

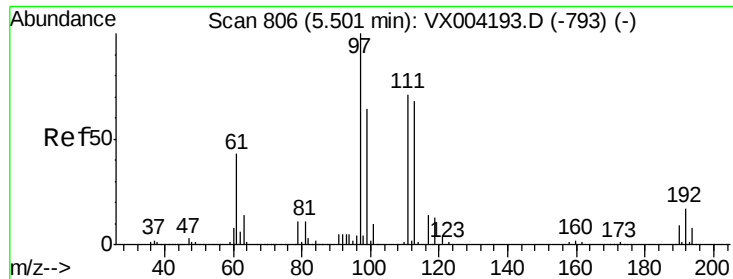


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

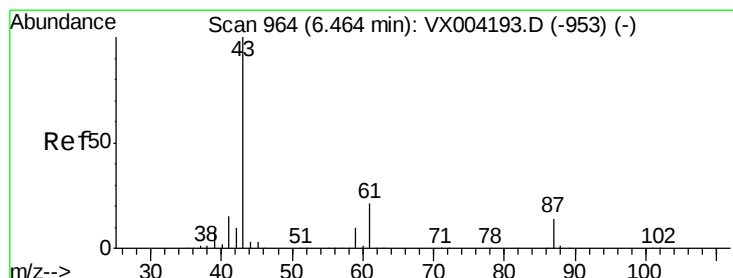
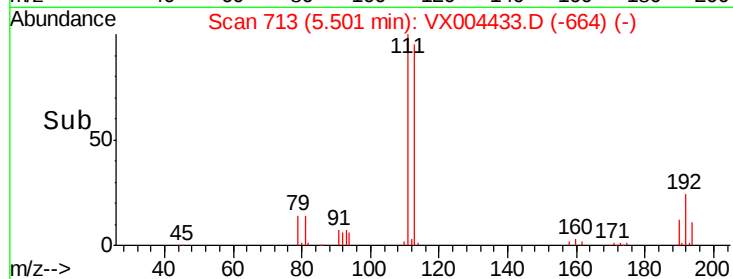
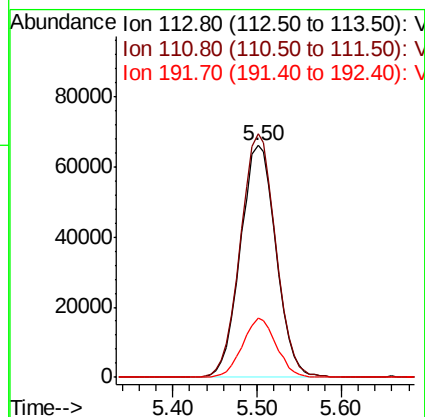
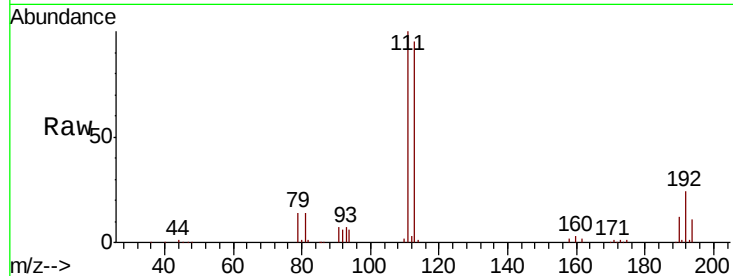




#35  
 Dibromofluoromethane  
 Concen: 50.58 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX004433.D  
 Acq: 08 Sep 2018 03:39

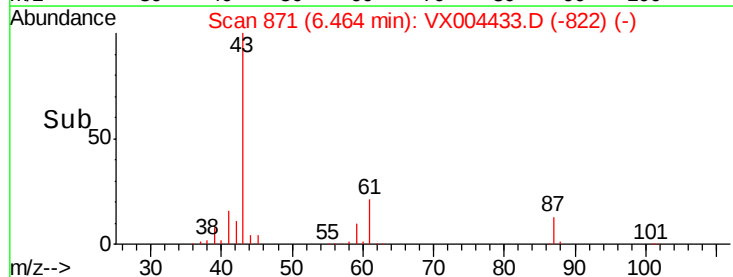
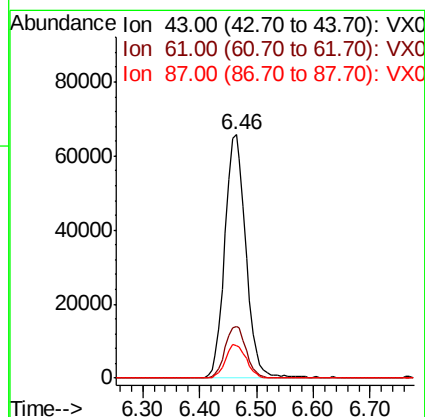
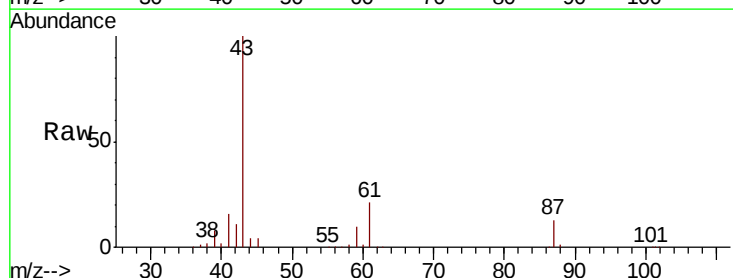
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SU-03-090618-B

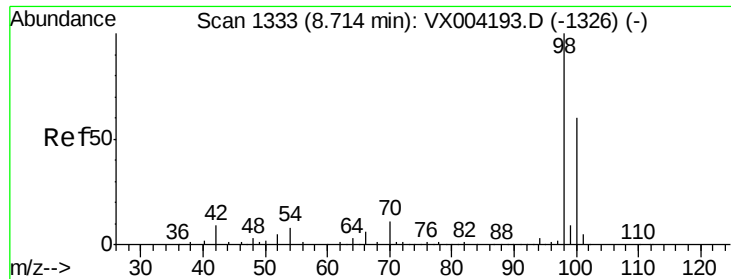
Tot Ion:113 Resp: 188934  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 82.4 123.6  
 192 24.2 19.4 29.2



#43  
 Isopropyl Acetate  
 Concen: 19.86 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. -0.00 min  
 Lab File: VX004433.D  
 Acq: 08 Sep 2018 03:39

Tgt Ion: 43 Resp: 169381  
 Ion Ratio Lower Upper  
 43 100  
 61 21.3 17.0 25.4  
 87 13.7 11.4 17.2





#50

Toluene-d8

Concen: 51.69 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX004433.D

Acq: 08 Sep 2018 03:39

Instrument :

MSVOA\_X

ClientSampleId :

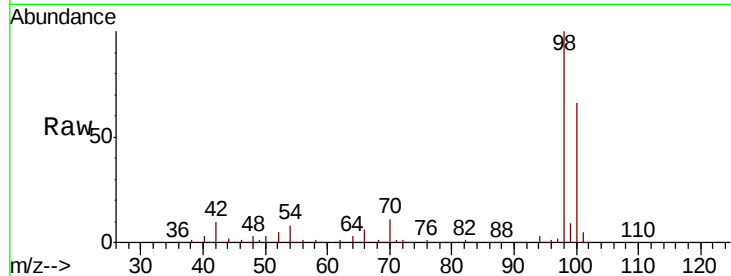
SU-03-090618-B

Tot Ion: 98 Resp: 728785

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

500000

400000

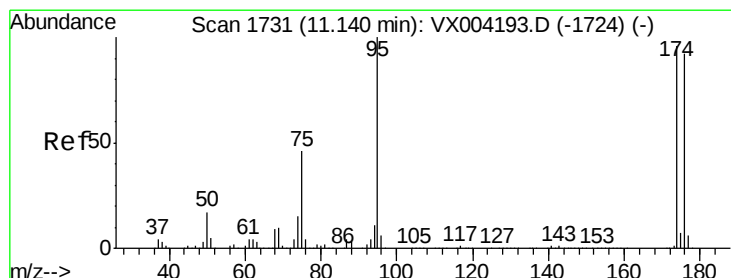
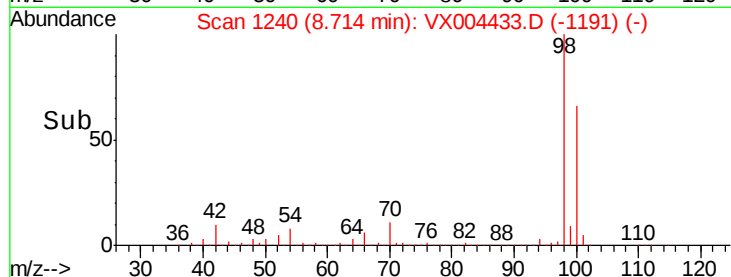
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.29 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004433.D

Acq: 08 Sep 2018 03:39

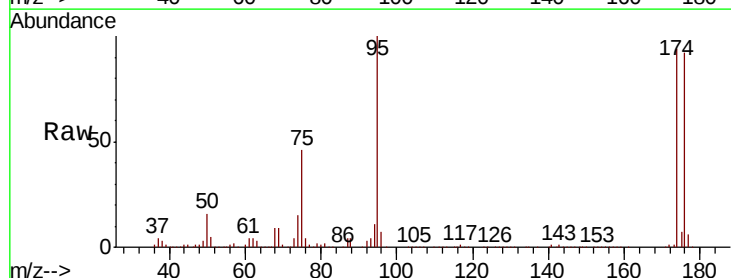
Tgt Ion: 95 Resp: 259278

Ion Ratio Lower Upper

95 100

174 91.7 0.0 185.2

176 89.6 0.0 178.6



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

250000

200000

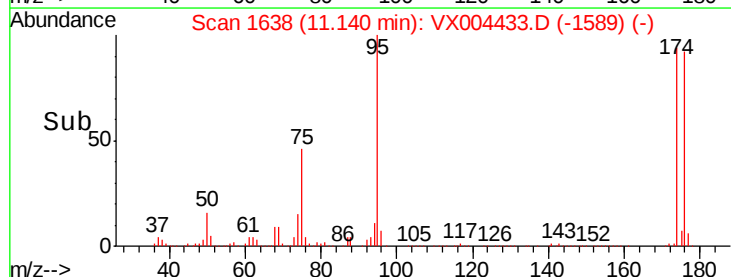
150000

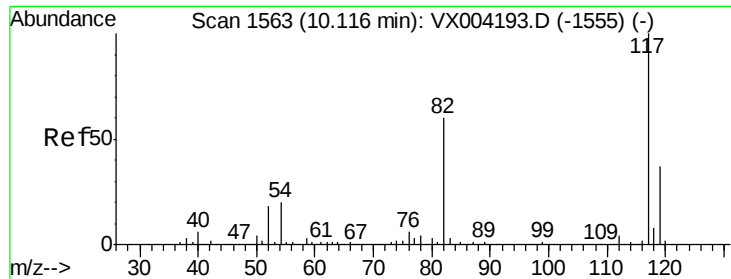
100000

50000

0

Time-->

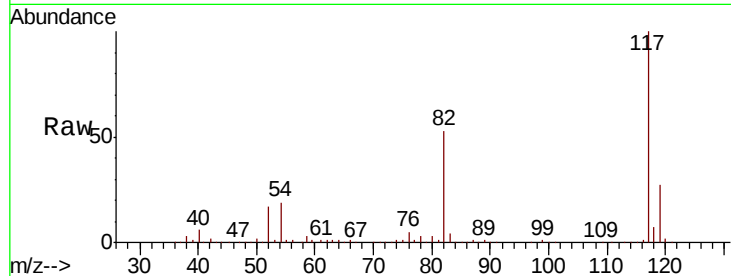




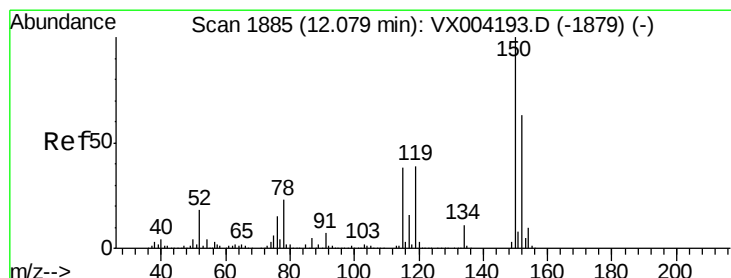
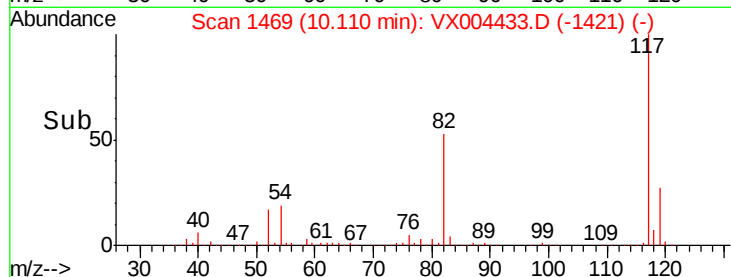
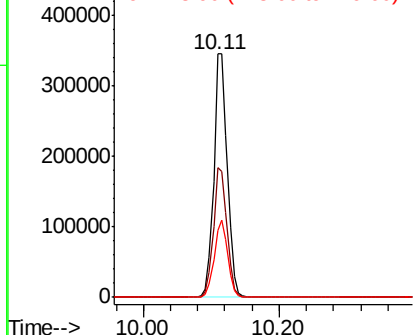
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.01 min  
Lab File: VX004433.D  
Acq: 08 Sep 2018 03:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
SU-03-090618-B

Tot Ion:117 Resp: 475381  
Ion Ratio Lower Upper  
117 100  
82 53.3 47.8 71.6  
119 27.4 29.3 43.9#

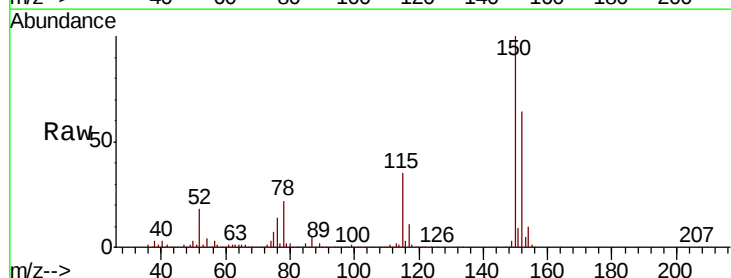


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX004433.D  
Acq: 08 Sep 2018 03:39

Tgt Ion:152 Resp: 276259  
Ion Ratio Lower Upper  
152 100  
115 54.3 39.0 117.0  
150 155.6 0.0 351.0



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

