

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041218\  
 Data File : VX000829.D  
 Acq On : 13 Apr 2018 03:37  
 Operator : JC/MD  
 Sample : J2335-04 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 S2

Quant Time: Apr 13 08:13:50 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 10 15:49:28 2018  
 Response via : Initial Calibration

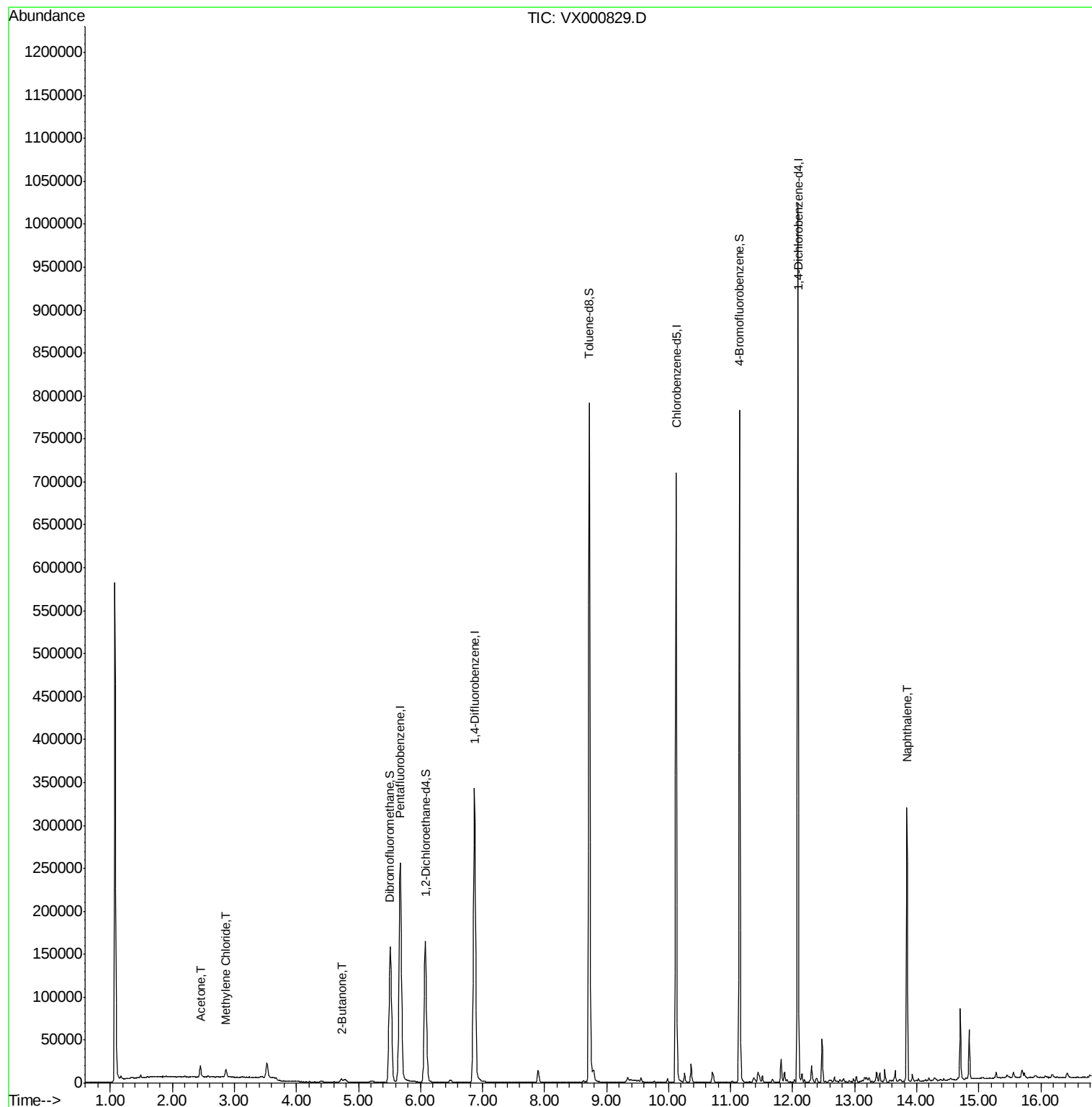
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.68  | 168  | 279366   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 367444   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 335925   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 219375   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 159821   | 45.37 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.74% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 131151   | 46.33 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.66% |          |
| 50) Toluene-d8              | 8.72  | 98   | 503478   | 47.77 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.54% |          |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 196689   | 45.10 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.20% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 14364    | 11.82 | ug/l   | 96       |
| 20) Methylene Chloride      | 2.87  | 84   | 4451     | 1.58  | ug/l # | 84       |
| 25) 2-Butanone              | 4.73  | 43   | 6388     | 3.18  | ug/l   | 98       |
| 95) Naphthalene             | 13.84 | 128  | 192250   | 12.04 | ug/l   | 99       |

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

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Instrument :  
MSVOA\_X  
ClientSampleId :  
S2

Quant Time: Apr 13 08:13:50 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041018W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 10 15:49:28 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000829.D

Acq: 13 Apr 2018 03:37

Instrument :

MSVOA\_X

ClientSampled :

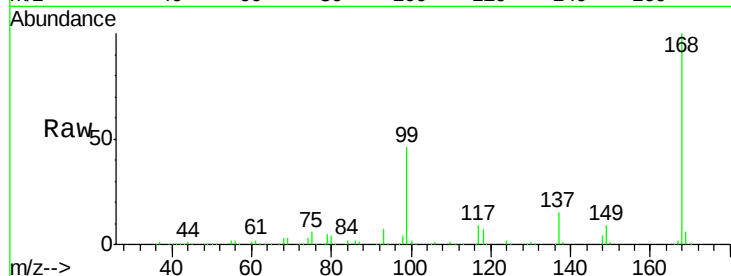
S2

Tot Ion:168 Resp: 279366

Ion Ratio Lower Upper

168 100

99 45.6 38.3 57.5

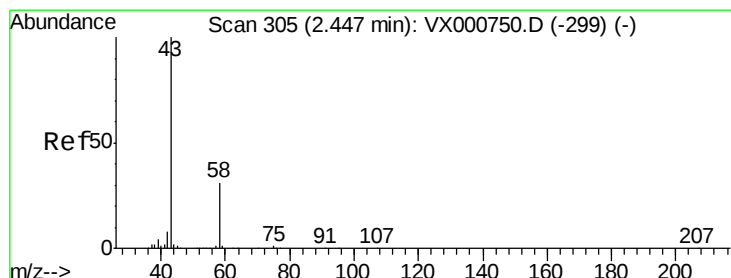
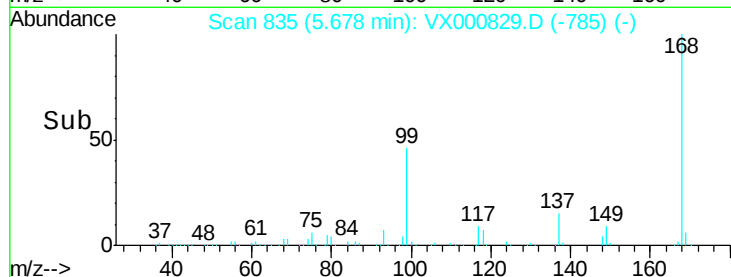


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 11.82 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000829.D

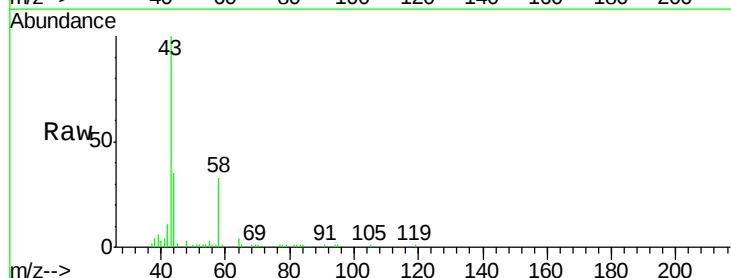
Acq: 13 Apr 2018 03:37

Tgt Ion: 43 Resp: 14364

Ion Ratio Lower Upper

43 100

58 33.1 24.6 37.0

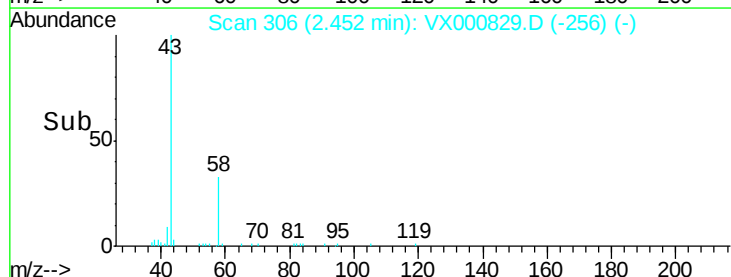


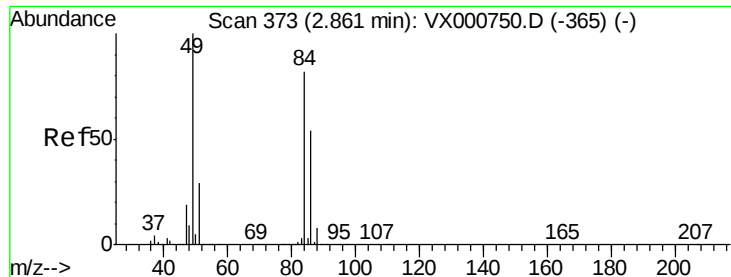
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

Time--> 2.35 2.40 2.45 2.50





#20

Methvlene Chloride

Concen: 1.58 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.01 min

Lab File: VX000829.D

Acq: 13 Apr 2018 03:37

Instrument :

MSVOA\_X

ClientSampleId :

S2

Tot Ion: 84 Resp: 4451

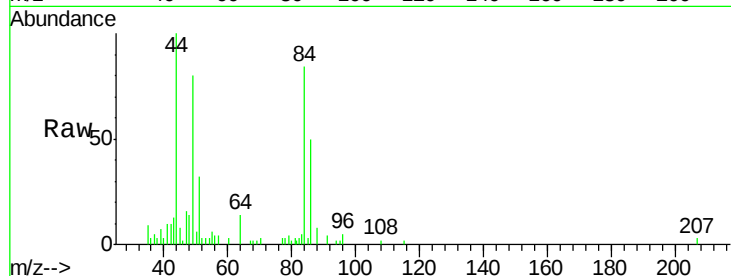
Ion Ratio Lower Upper

84 100

49 95.6 98.1 147.1#

51 35.3 28.9 43.3

86 59.2 52.7 79.1

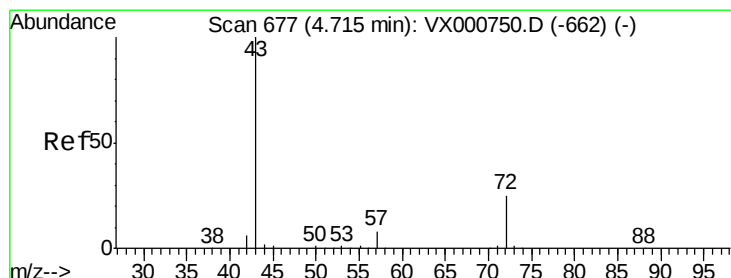
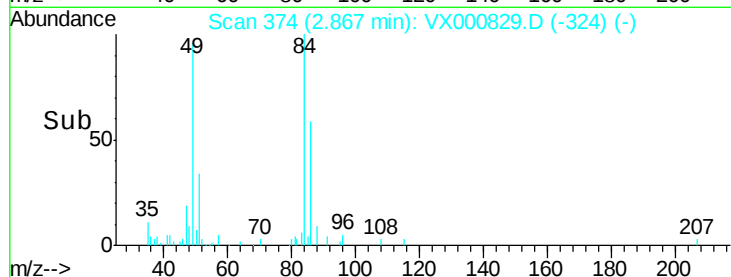
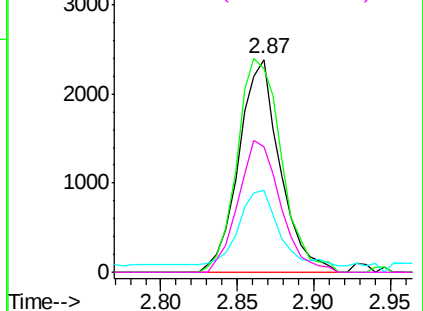


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 3.18 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000829.D

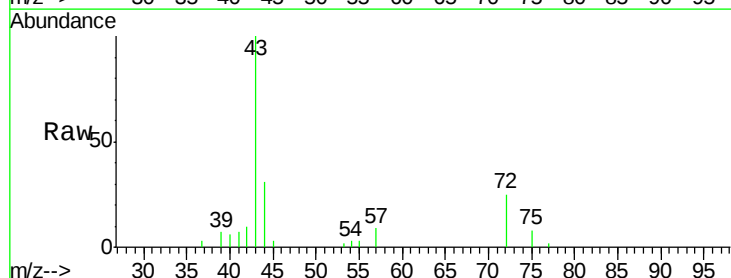
Acq: 13 Apr 2018 03:37

Tgt Ion: 43 Resp: 6388

Ion Ratio Lower Upper

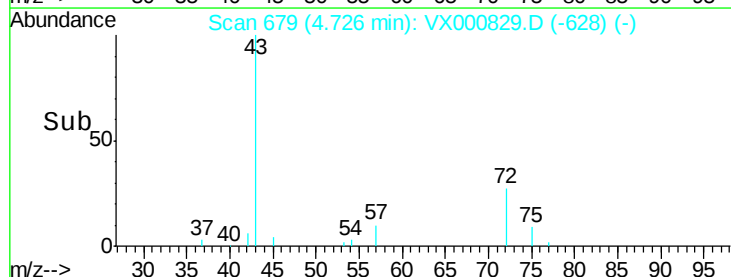
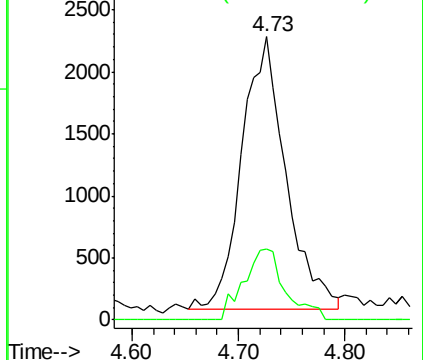
43 100

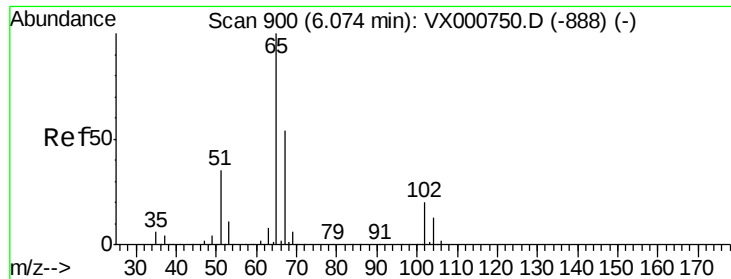
72 26.2 20.3 30.5



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: 45.37 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000829.D

Acq: 13 Apr 2018 03:37

Instrument :

MSVOA\_X

ClientSampleId :

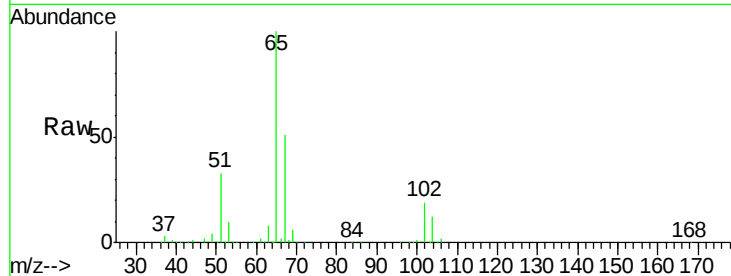
S2

Tot Ion: 65 Resp: 159821

Ion Ratio Lower Upper

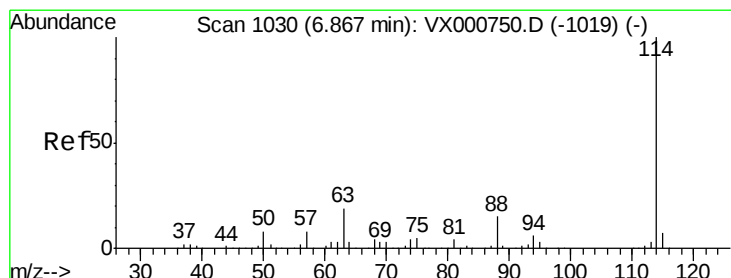
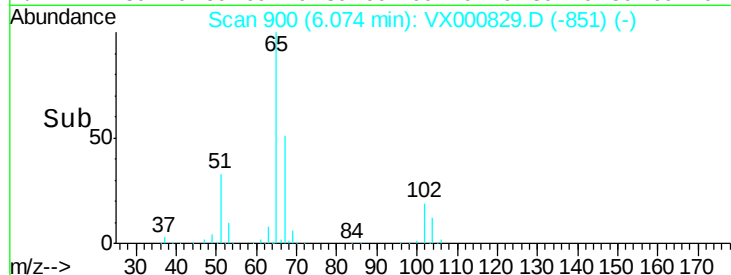
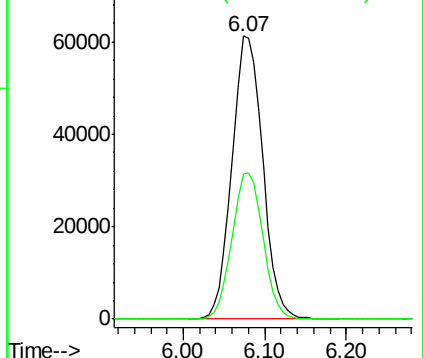
65 100

67 52.1 0.0 103.8



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: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000829.D

Acq: 13 Apr 2018 03:37

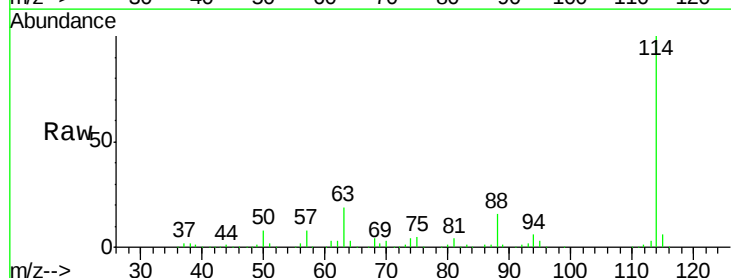
Tgt Ion: 114 Resp: 367444

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

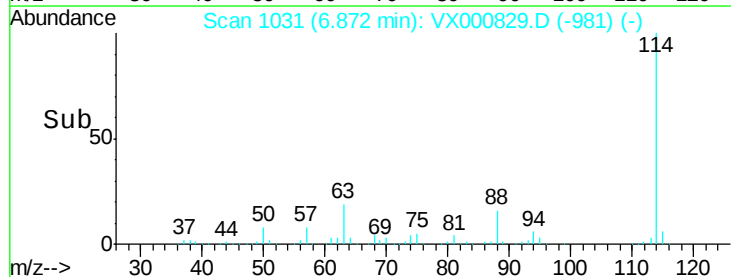
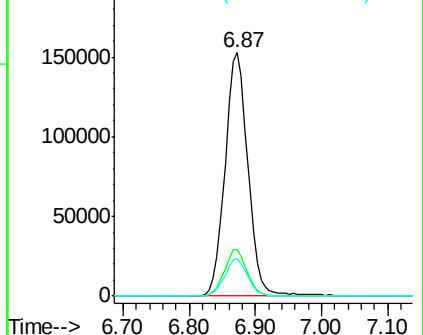
88 15.6 0.0 31.0

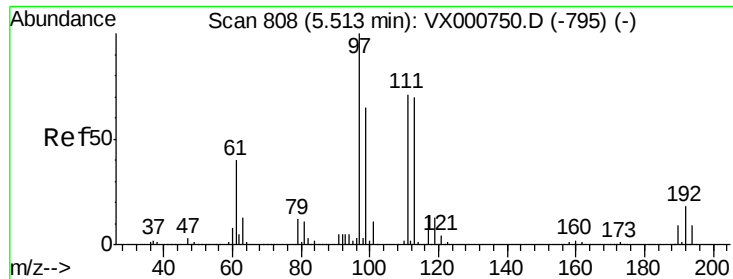


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

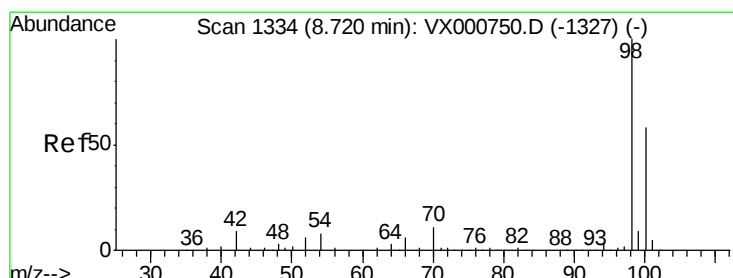
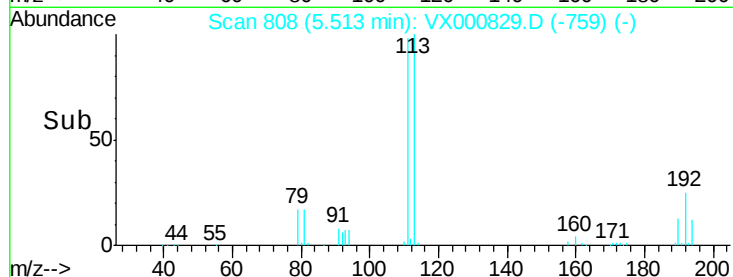
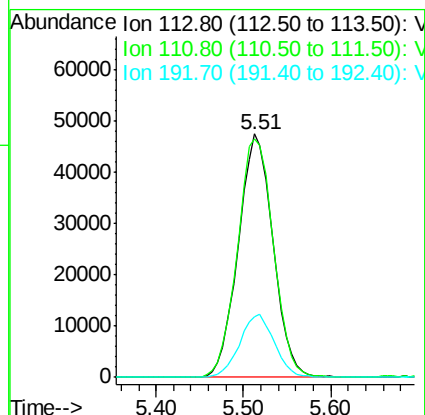
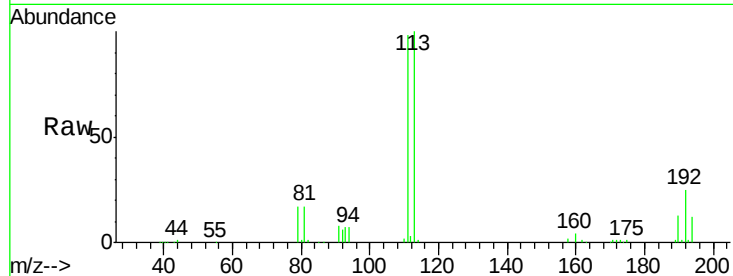




#35  
Dibromofluoromethane  
Concen: 46.33 ug/l  
RT: 5.51 min Scan# 808  
Delta R.T. -0.00 min  
Lab File: VX000829.D  
Acq: 13 Apr 2018 03:37

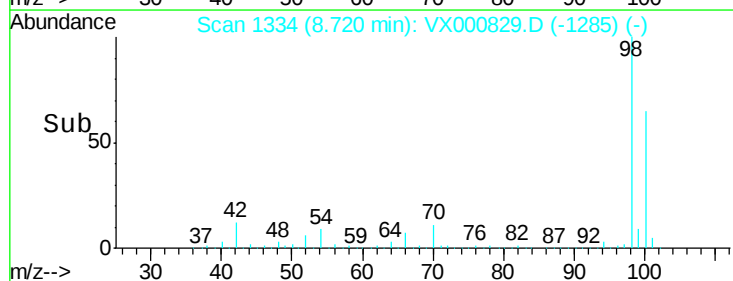
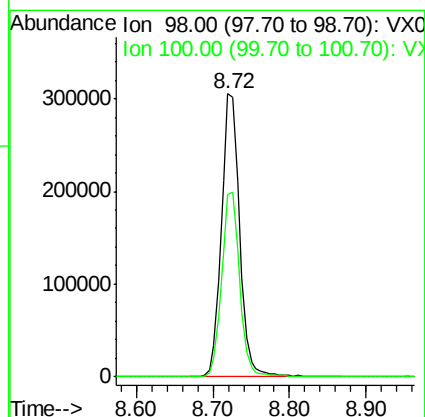
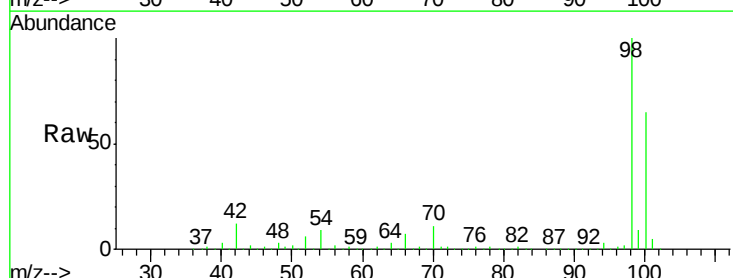
Instrument :  
MSVOA\_X  
ClientSampled :  
S2

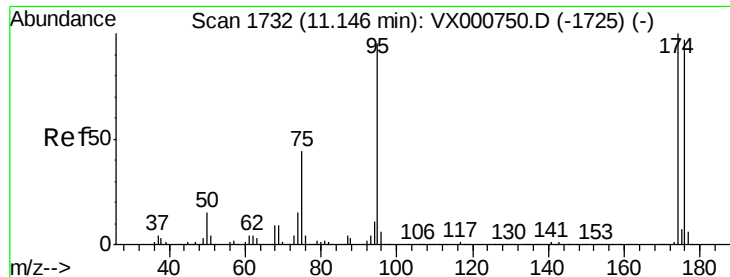
Tot Ion:113 Resp: 131151  
Ion Ratio Lower Upper  
113 100  
111 101.5 81.5 122.3  
192 25.7 20.4 30.6



#50  
Toluene-d8  
Concen: 47.77 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX000829.D  
Acq: 13 Apr 2018 03:37

Tgt Ion: 98 Resp: 503478  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 79.0

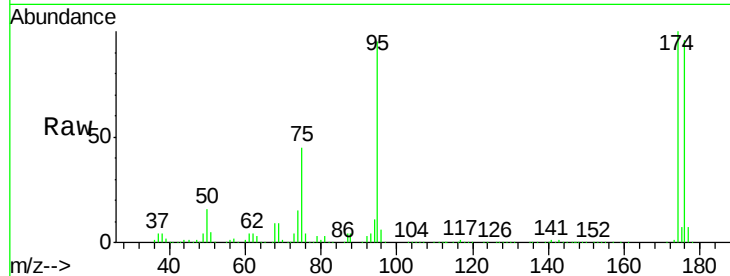




#62  
4-Bromofluorobenzene  
Concen: 45.10 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VX000829.D  
Acq: 13 Apr 2018 03:37

Instrument :  
MSVOA\_X  
ClientSampled :  
S2

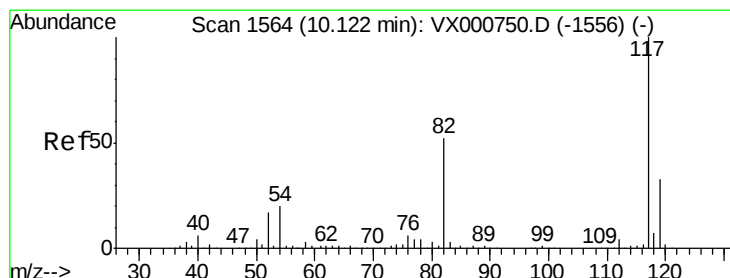
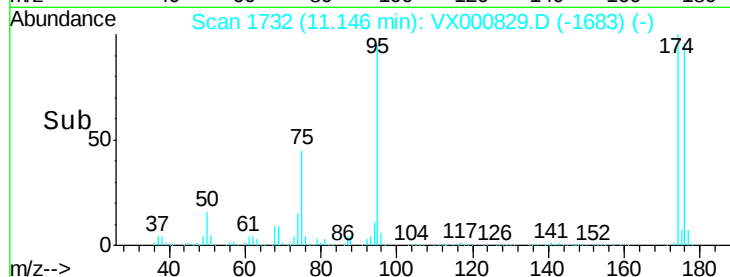
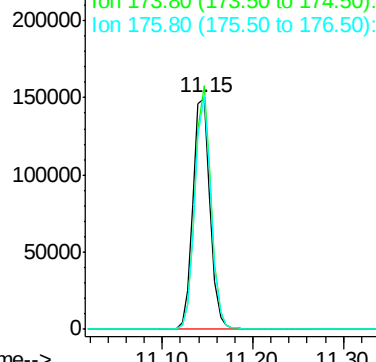
| Tot Ion   | 95    | Resp  | 196689 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 99.3  | 0.0   | 198.4  |
| 176       | 95.7  | 0.0   | 194.4  |



Abundance Ion 94.90 (94.60 to 95.60): VX000750.D (-1725) (-)

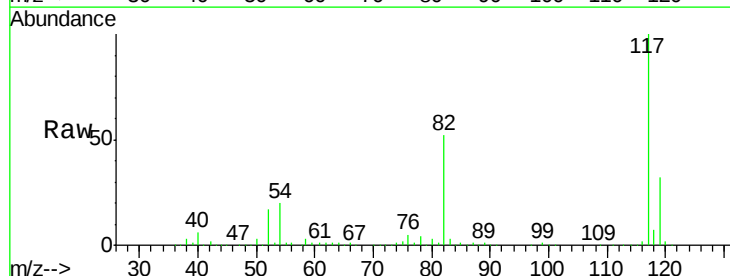
Ion 173.80 (173.50 to 174.50): VX000750.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000750.D (-1725) (-)



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000829.D  
Acq: 13 Apr 2018 03:37

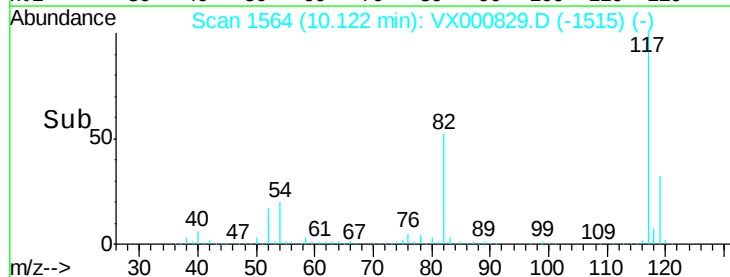
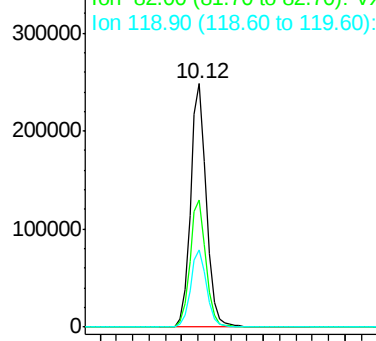
| Tgt Ion   | 117   | Resp  | 335925 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 52.2  | 41.9  | 62.9   |
| 119       | 31.8  | 26.0  | 39.0   |

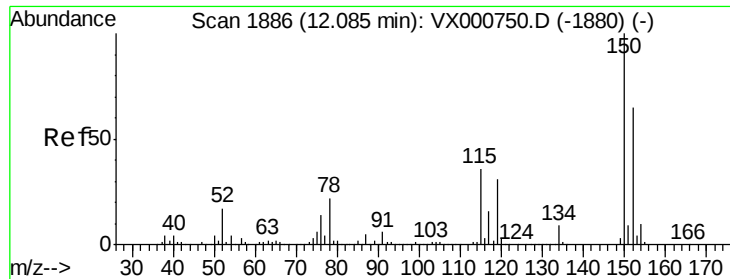


Abundance Ion 116.90 (116.60 to 117.60): VX000750.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX000750.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX000750.D (-1556) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000829.D

Acq: 13 Apr 2018 03:37

Instrument :

MSVOA\_X

ClientSampleId :

S2

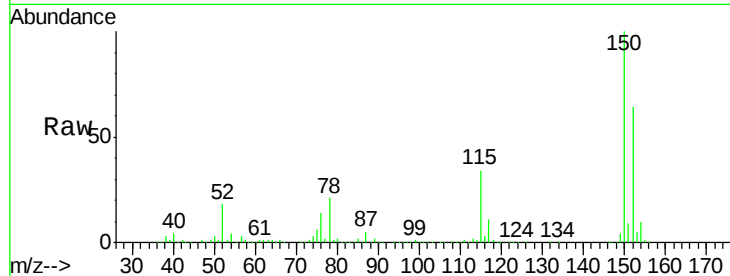
Tot Ion:152 Resp: 219375

Ion Ratio Lower Upper

152 100

115 53.4 37.9 113.7

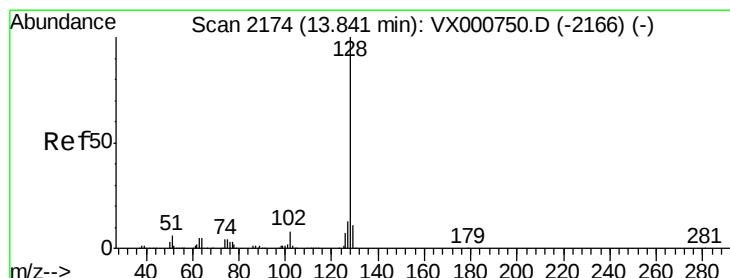
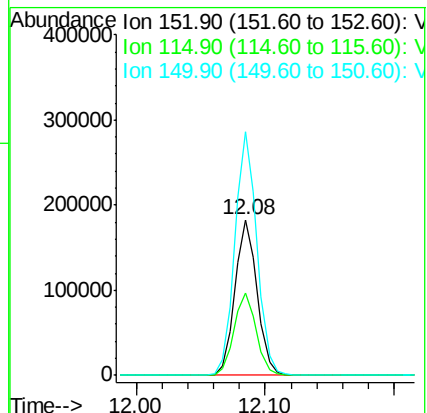
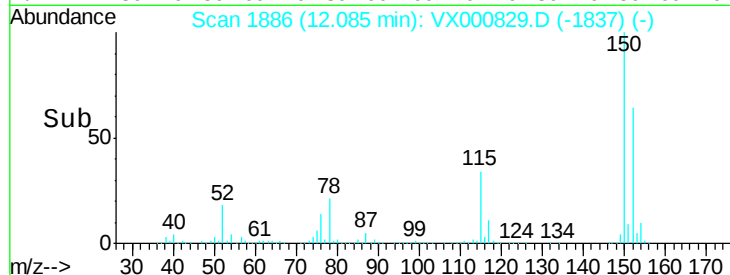
150 155.9 0.0 348.0



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



#95

Naphthalene

Concen: 12.04 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000829.D

Acq: 13 Apr 2018 03:37

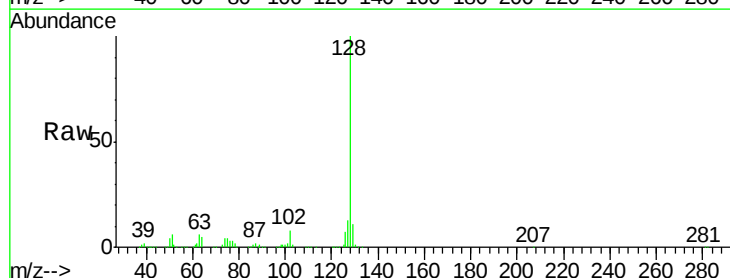
Tgt Ion:128 Resp: 192250

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

129 10.8 8.7 13.1



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

