

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\  
 Data File : VX006051.D  
 Acq On : 16 Nov 2018 15:48  
 Operator : JC/MD  
 Sample : J5965-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-3

Quant Time: Nov 17 02:34:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 07 14:40:53 2018  
 Response via : Initial Calibration

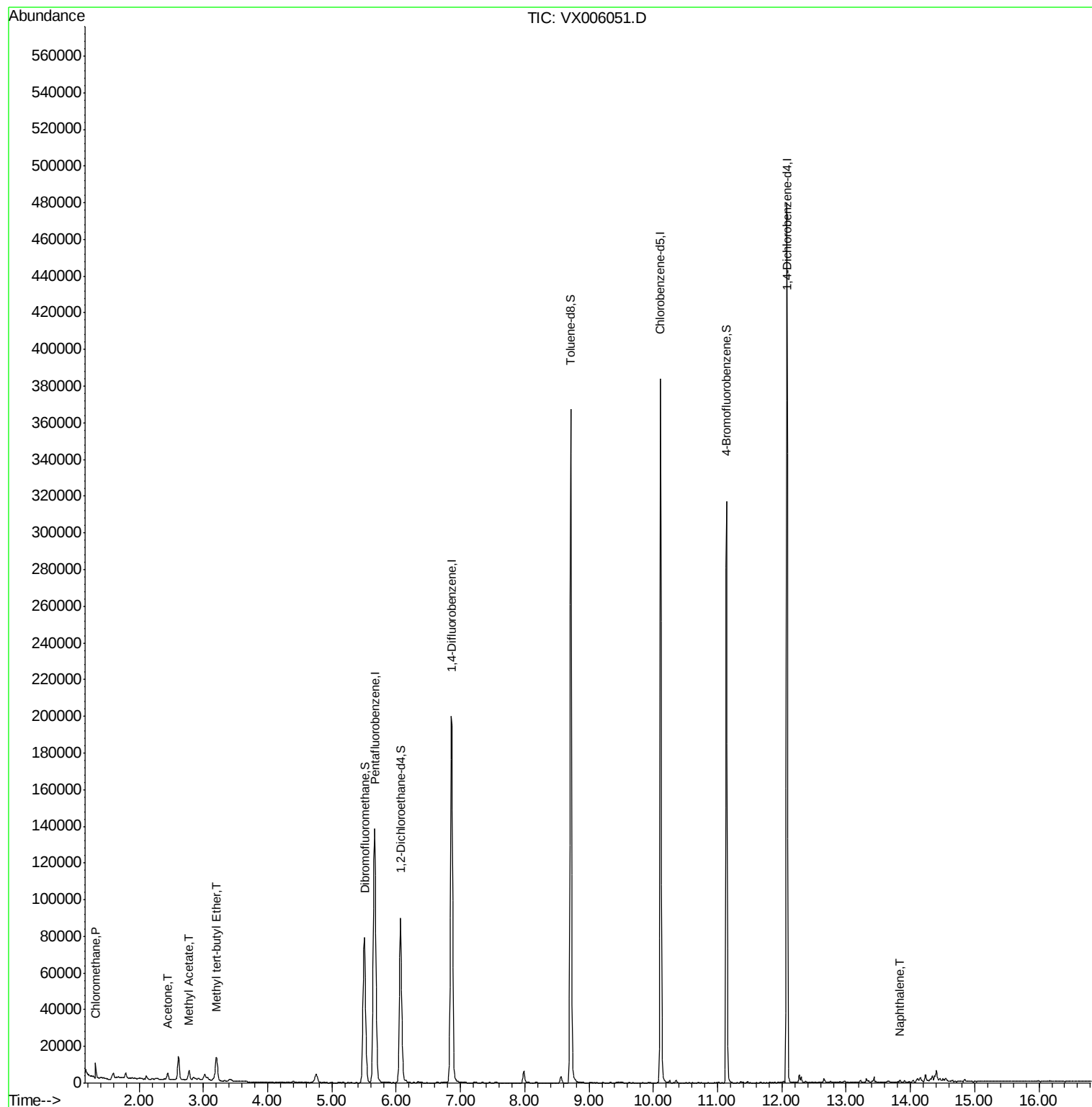
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 146484   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 201525   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 185541   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 98897    | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 82456    | 48.96 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.92% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 68278    | 49.81 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.62% |          |
| 50) Toluene-d8              | 8.71  | 98   | 224378   | 49.24 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.48% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 79930    | 48.79 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.58% |          |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       | Qvalue |          |
| 3) Chloromethane            | 1.32  | 50   | 5068     | 2.924 | ug/l   | 90       |
| 16) Acetone                 | 2.45  | 43   | 3498     | 3.858 | ug/l   | 96       |
| 18) Methyl Acetate          | 2.78  | 43   | 6241     | 1.118 | ug/l   | 97       |
| 19) Methyl tert-butyl Ether | 3.20  | 73   | 14099    | 3.190 | ug/l   | 97       |
| 95) Naphthalene             | 13.83 | 128  | 1076     | 1.325 | ug/l # | 95       |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 07 14:40:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA\_X

ClientSampled :

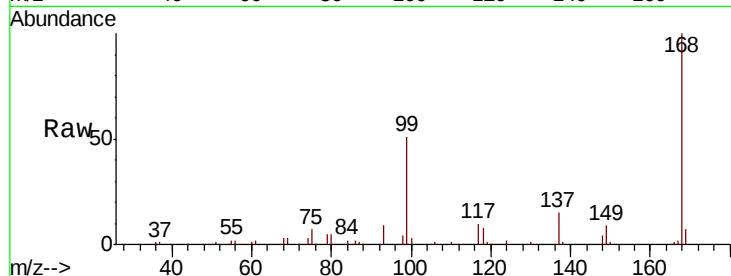
MW-3

Tot Ion:168 Resp: 146484

Ion Ratio Lower Upper

168 100

99 51.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

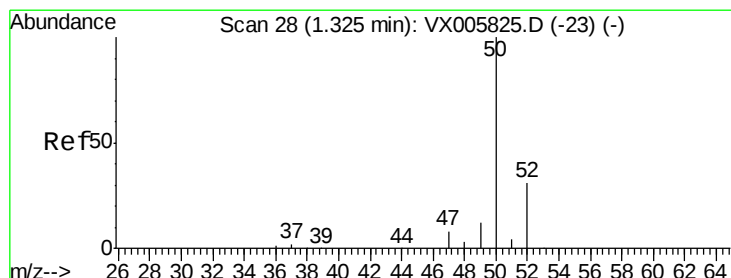
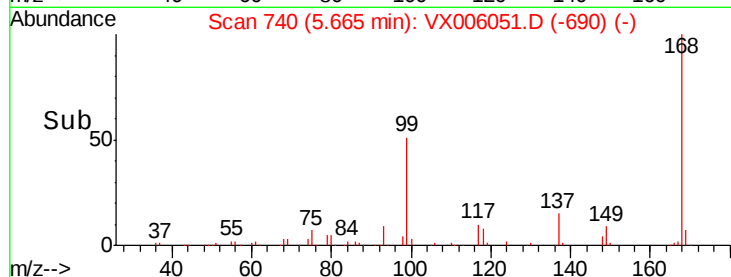
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 2.924 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006051.D

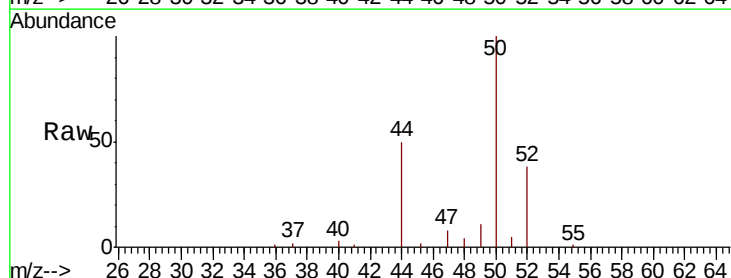
Acq: 16 Nov 2018 15:48

Tgt Ion: 50 Resp: 5068

Ion Ratio Lower Upper

50 100

52 38.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

5000

4000

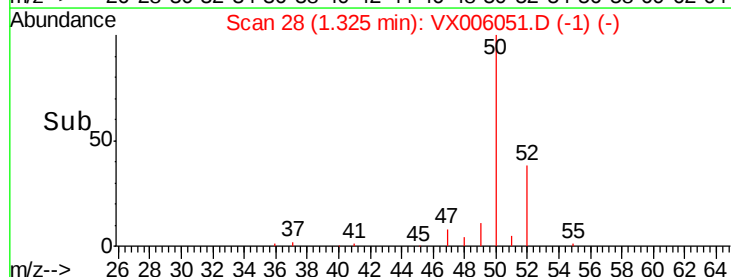
3000

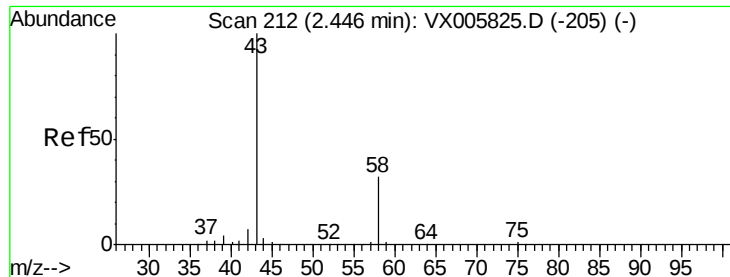
2000

1000

0

Time--> 1.30 1.35 1.40





#16

Acetone

Concen: 3.858 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA\_X

ClientSampled :

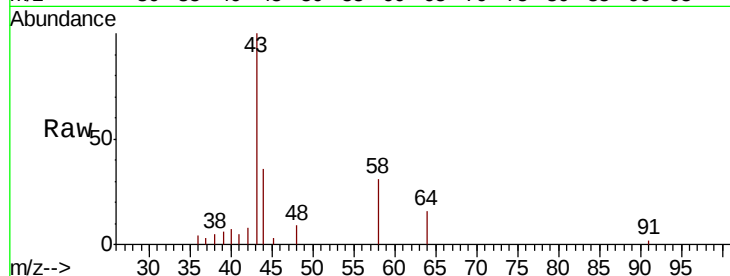
MW-3

Tot Ion: 43 Resp: 3498

Ion Ratio Lower Upper

43 100

58 31.9 23.8 35.6



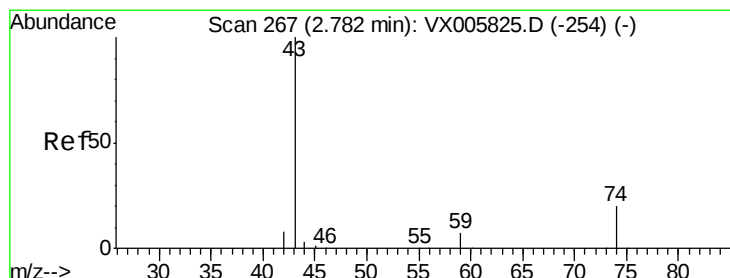
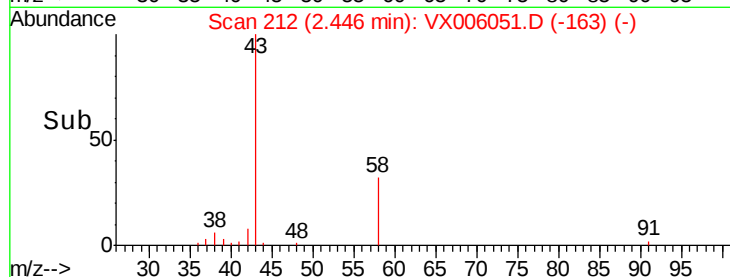
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 1.118 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX006051.D

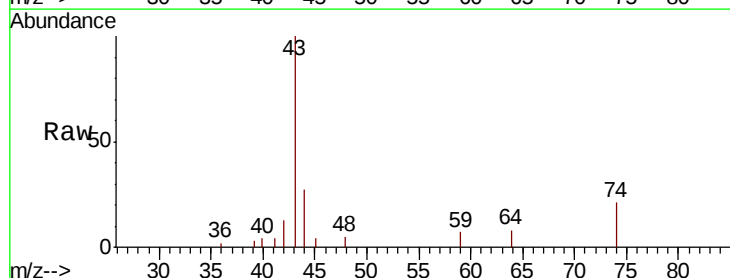
Acq: 16 Nov 2018 15:48

Tgt Ion: 43 Resp: 6241

Ion Ratio Lower Upper

43 100

74 22.6 16.8 25.2



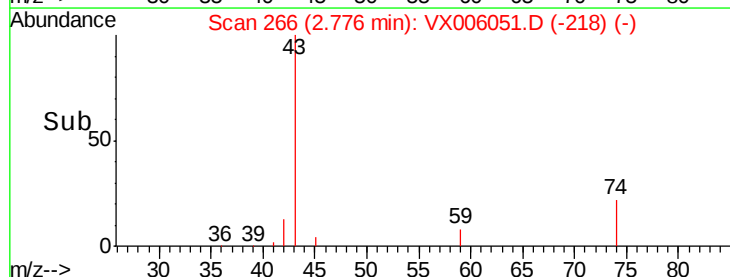
Abundance Ion 43.00 (42.70 to 43.70): VX0

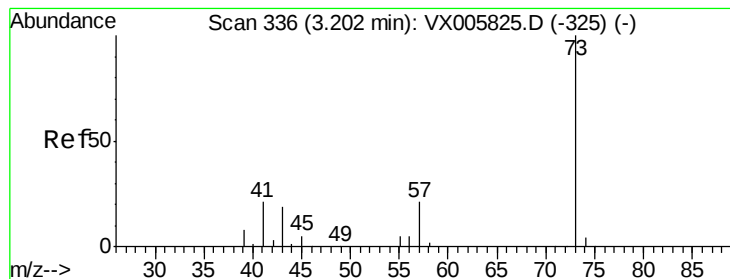
Ion 74.00 (73.70 to 74.70): VX0

2.78

2.70 2.75 2.80 2.85

Time-->



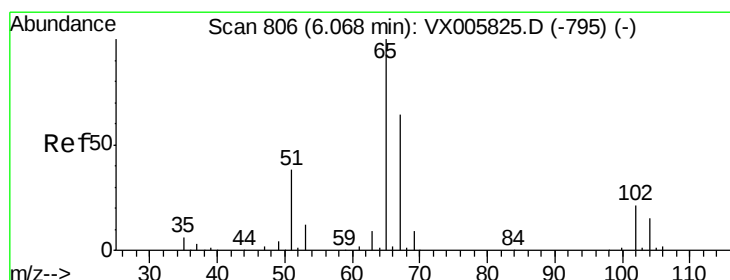
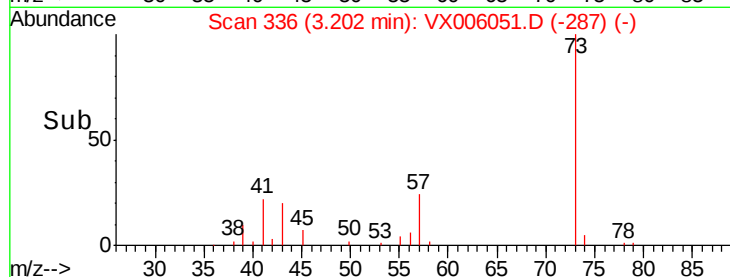
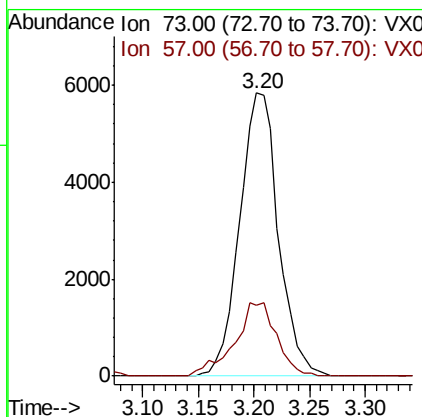
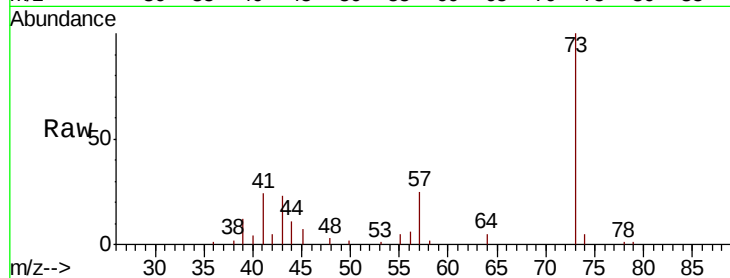


#19

Methvl tert-butvl Ether  
 Concen: 3.190 ug/l  
 RT: 3.20 min Scan# 336  
 Delta R.T. -0.00 min  
 Lab File: VX006051.D  
 Acq: 16 Nov 2018 15:48

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-3

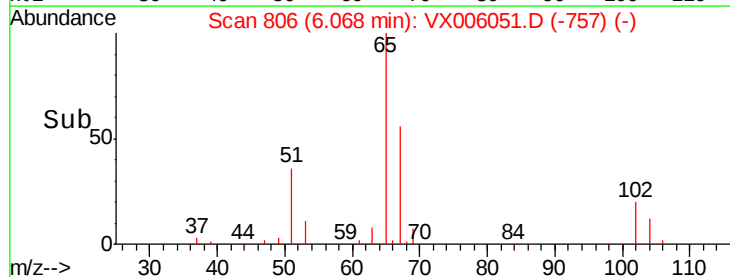
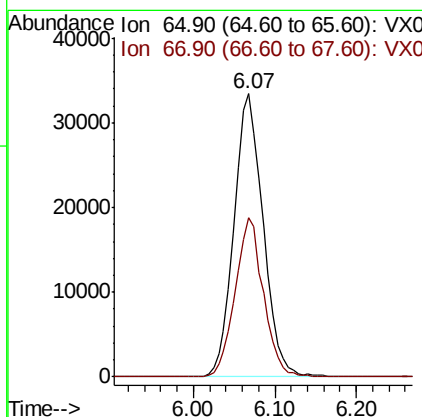
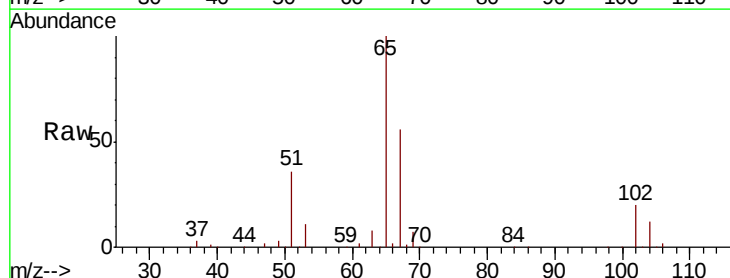
Tot Ion: 73 Resp: 14099  
 Ion Ratio Lower Upper  
 73 100  
 57 25.0 18.8 28.2

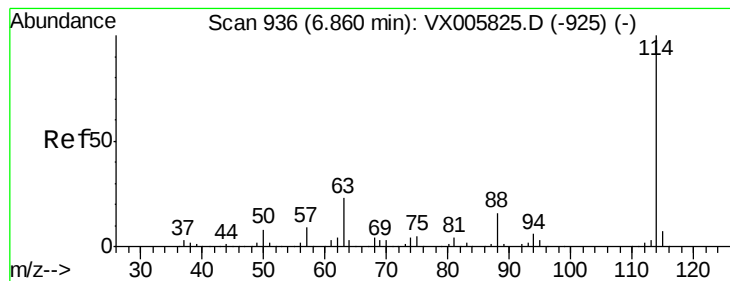


#33

1,2-Dichloroethane-d4  
 Concen: 48.964 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX006051.D  
 Acq: 16 Nov 2018 15:48

Tgt Ion: 65 Resp: 82456  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA\_X

ClientSampleId :

MW-3

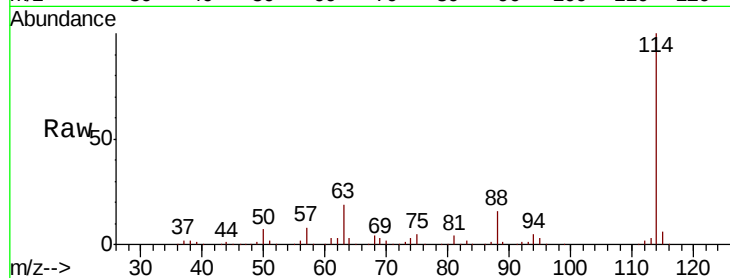
Tot Ion:114 Resp: 201525

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.8

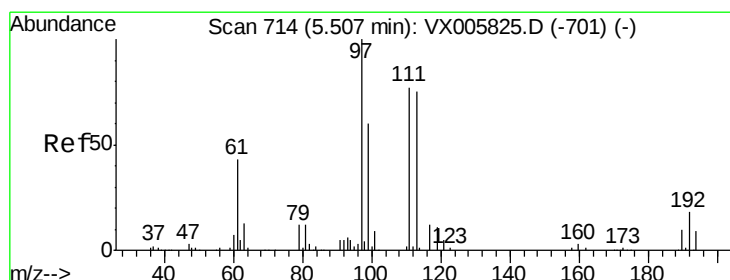
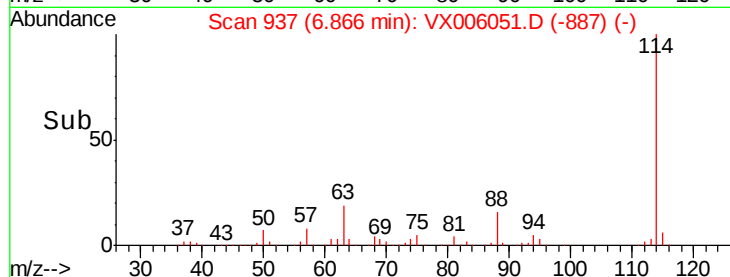
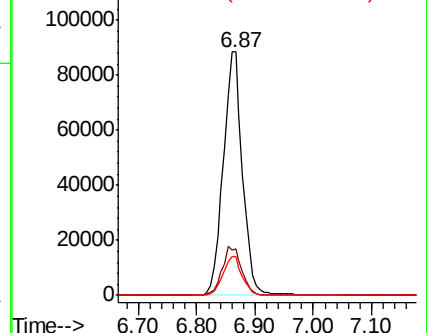
88 16.1 0.0 31.2



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: 49.813 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

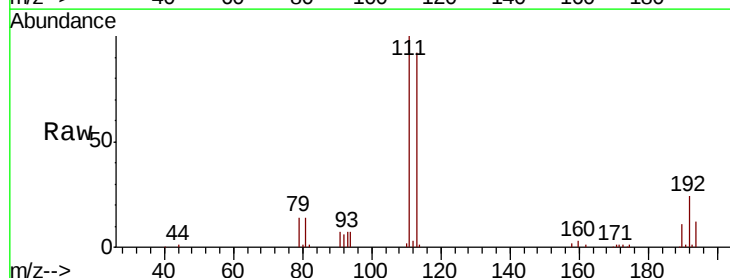
Tgt Ion:113 Resp: 68278

Ion Ratio Lower Upper

113 100

111 103.2 82.3 123.5

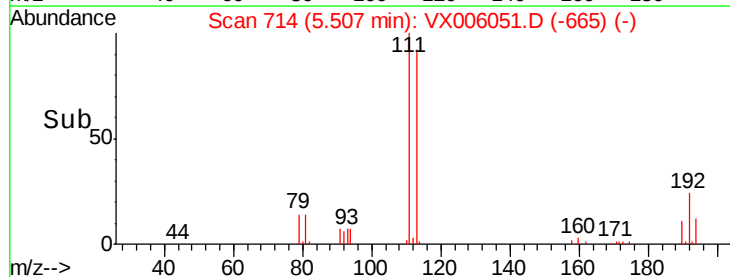
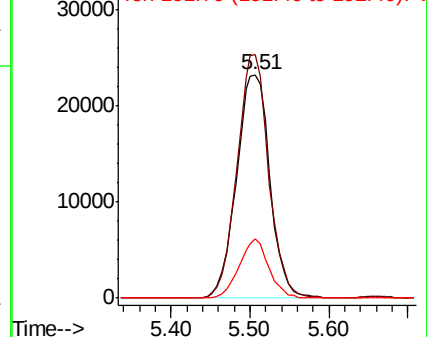
192 23.5 17.9 26.9

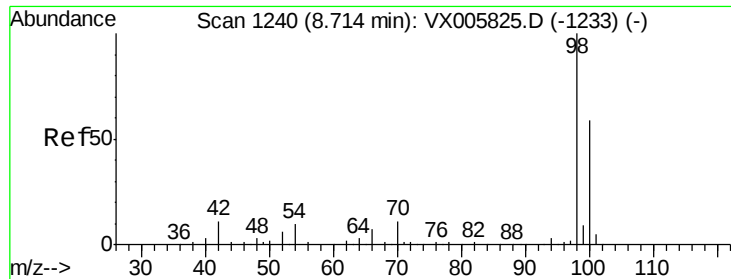


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.239 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

Instrument :

MSVOA\_X

ClientSampleId :

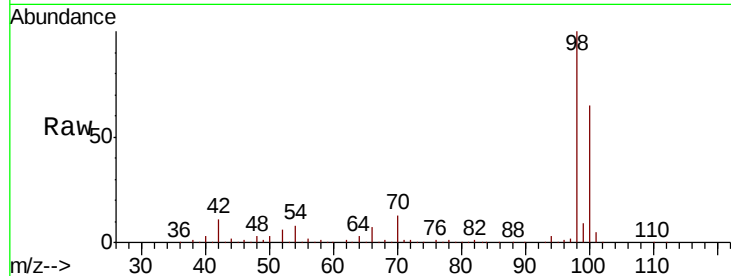
MW-3

Tot Ion: 98 Resp: 224378

Ion Ratio Lower Upper

98 100

100 64.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

150000

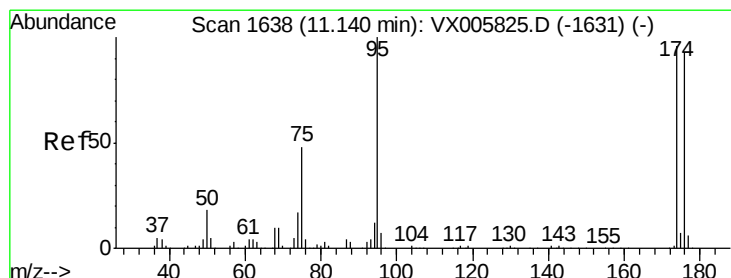
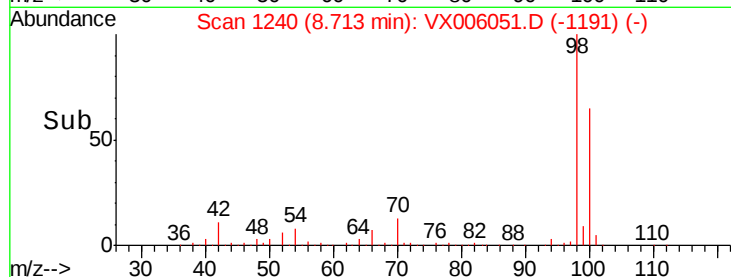
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 48.786 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006051.D

Acq: 16 Nov 2018 15:48

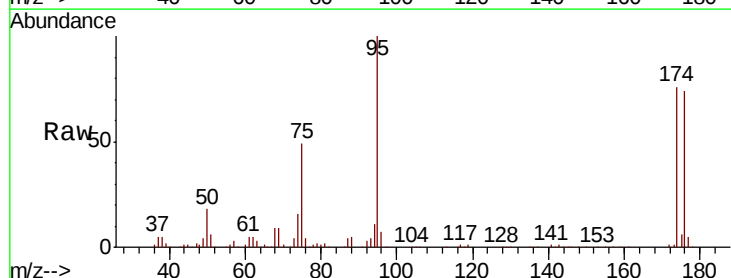
Tgt Ion: 95 Resp: 79930

Ion Ratio Lower Upper

95 100

174 91.0 0.0 184.4

176 92.3 0.0 177.4



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

80000

60000

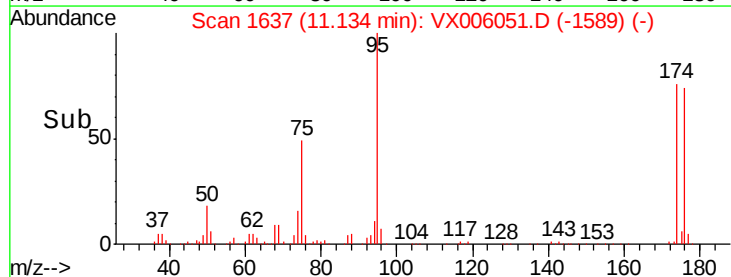
40000

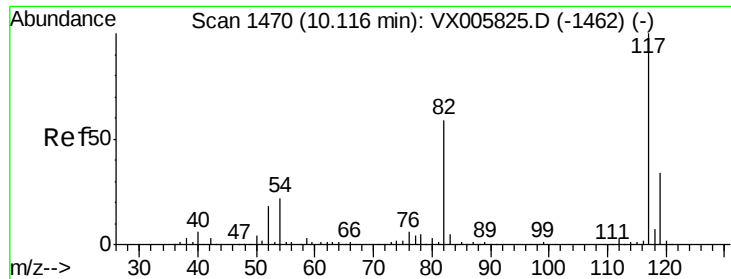
20000

0

11.10 11.20

Time-->

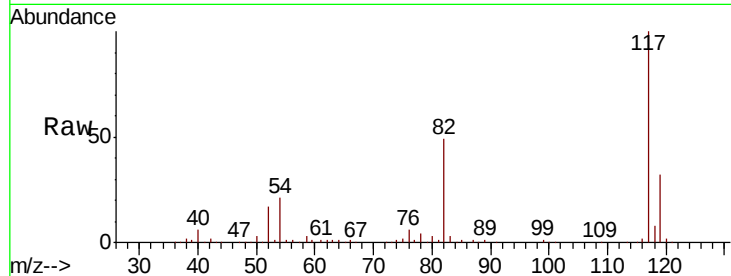




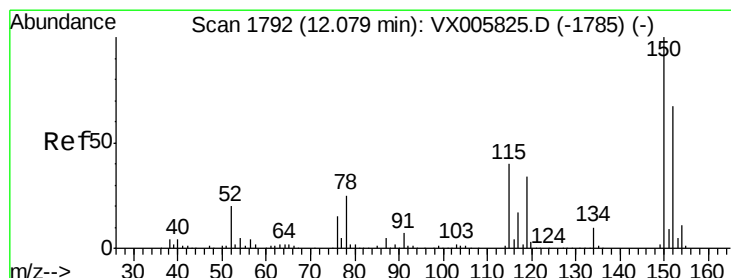
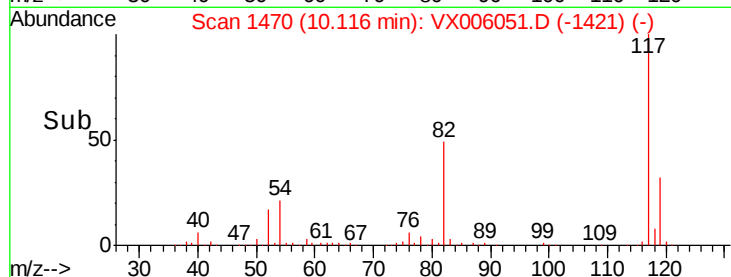
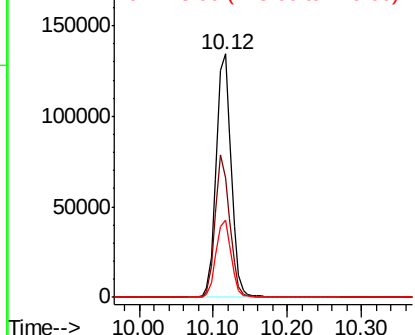
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX006051.D  
Acq: 16 Nov 2018 15:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

Tot Ion:117 Resp: 185541  
Ion Ratio Lower Upper  
117 100  
82 49.0 44.1 66.1  
119 31.7 26.2 39.2

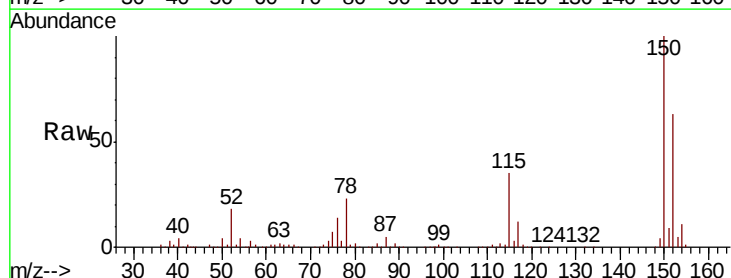


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

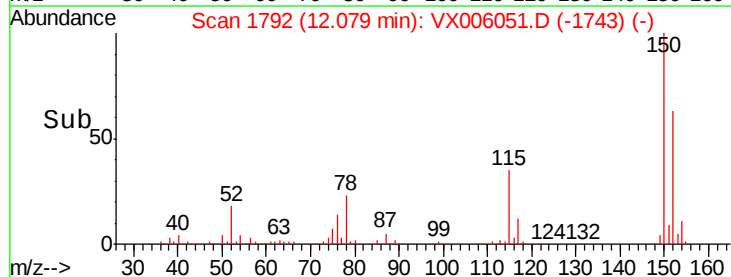
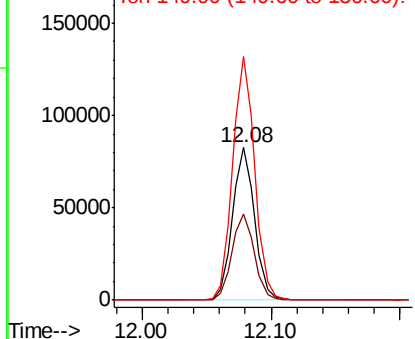


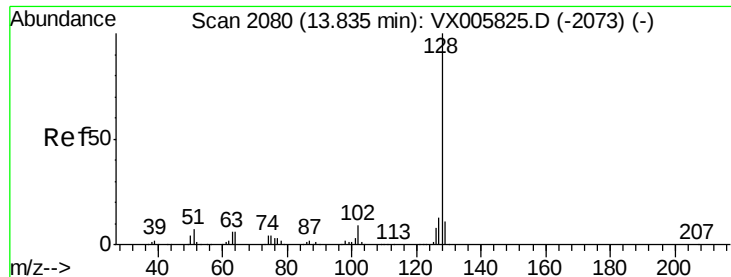
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX006051.D  
Acq: 16 Nov 2018 15:48

Tgt Ion:152 Resp: 98897  
Ion Ratio Lower Upper  
152 100  
115 57.3 39.4 118.1  
150 160.0 0.0 346.4



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

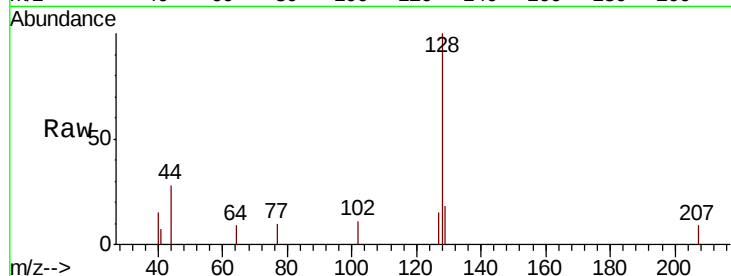




#95  
Naphthalene  
Concen: 1.325 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX006051.D  
Acq: 16 Nov 2018 15:48

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.0  | 10.4  | 15.6  |
| 129     | 13.6  | 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

