

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\  
 Data File : VX002043.D  
 Acq On : 27 May 2018 02:58  
 Operator : JC/MD  
 Sample : J3094-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 HS-RO-7212003

Quant Time: May 29 05:47:29 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X052418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 24 13:09:03 2018  
 Response via : Initial Calibration

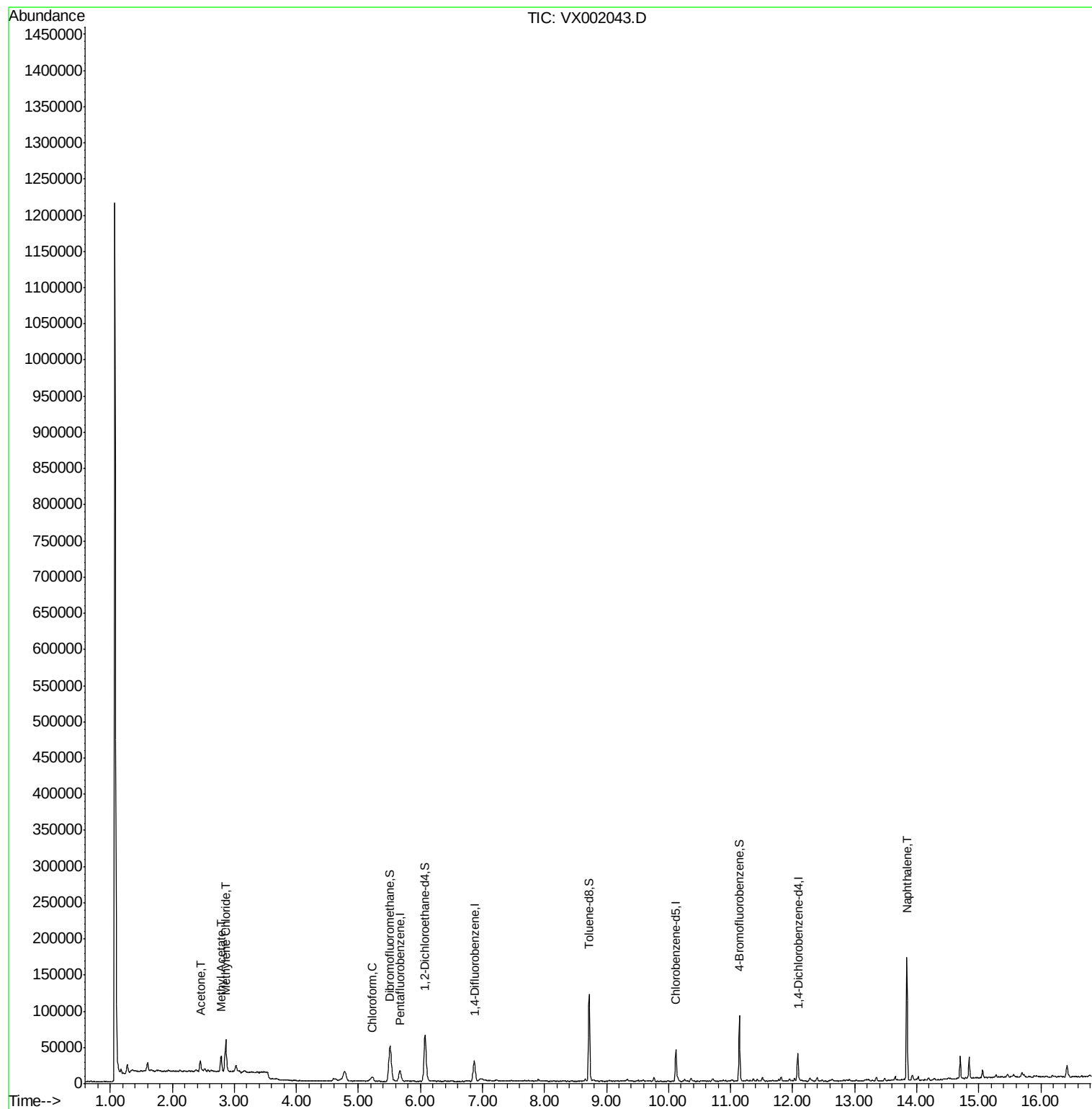
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 13871    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 27555    | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 19327    | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 8141     | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 60684    | 244.75 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 489.50% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 40575    | 147.25 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 294.50% |          |
| 50) Toluene-d8              | 8.72  | 98   | 71052    | 71.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 142.44% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 22964    | 58.83  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 117.66% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 17508    | 182.97 | ug/l    | 97       |
| 18) Methyl Acetate          | 2.78  | 43   | 25275    | 111.03 | ug/l    | 96       |
| 20) Methylene Chloride      | 2.86  | 84   | 19649    | 120.96 | ug/l    | 96       |
| 30) Chloroform              | 5.23  | 83   | 5740     | 15.54  | ug/l    | 97       |
| 95) Naphthalene             | 13.84 | 128  | 102316   | 139.16 | ug/l    | 99       |

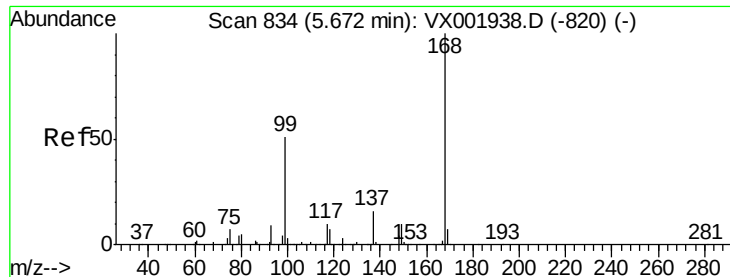
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu May 24 13:09:03 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002043.D

Acq: 27 May 2018 02:58

Instrument :

MSVOA\_X

ClientSampleId :

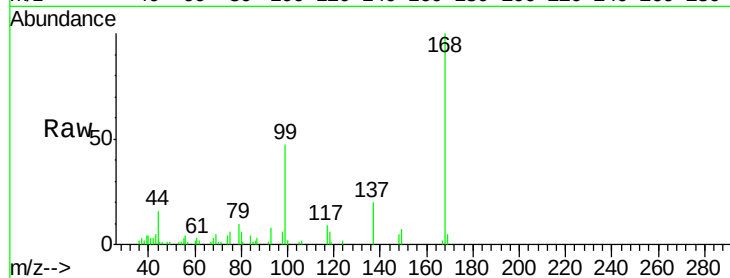
HS-RO-7212003

Tot Ion:168 Resp: 13871

Ion Ratio Lower Upper

168 100

99 47.3 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

6000

5000

4000

3000

2000

1000

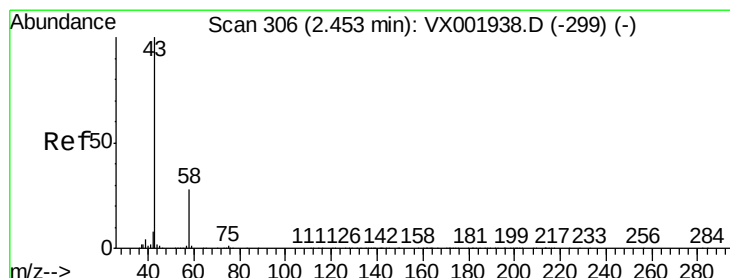
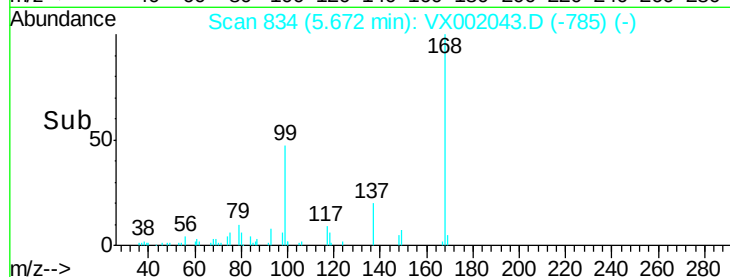
0

Time-->

5.60

5.70

5.80



#16

Acetone

Concen: 182.97 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002043.D

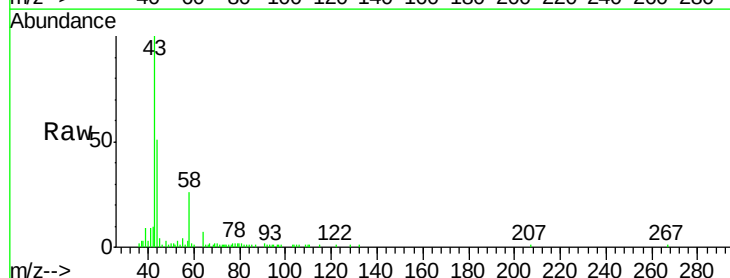
Acq: 27 May 2018 02:58

Tgt Ion: 43 Resp: 17508

Ion Ratio Lower Upper

43 100

58 26.3 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

12000

10000

8000

6000

4000

2000

0

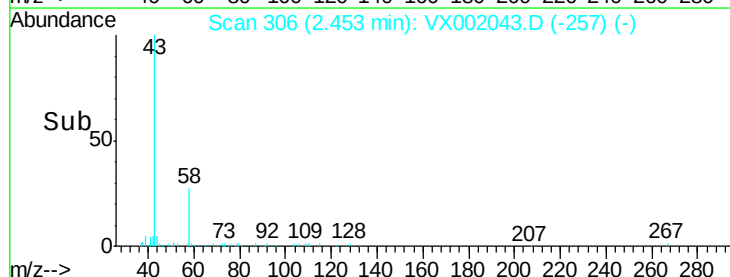
Time-->

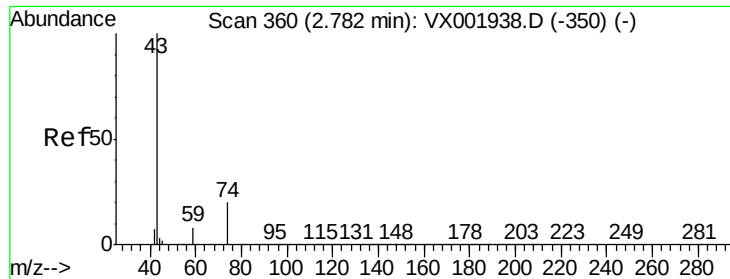
2.35

2.40

2.45

2.50

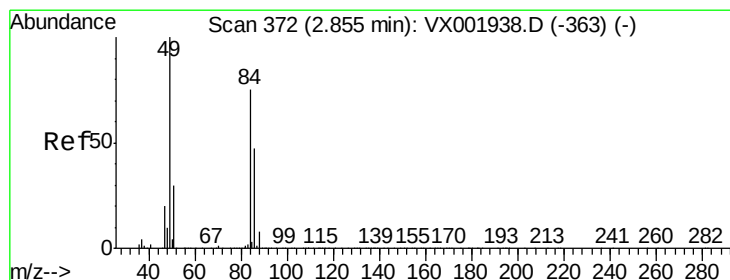
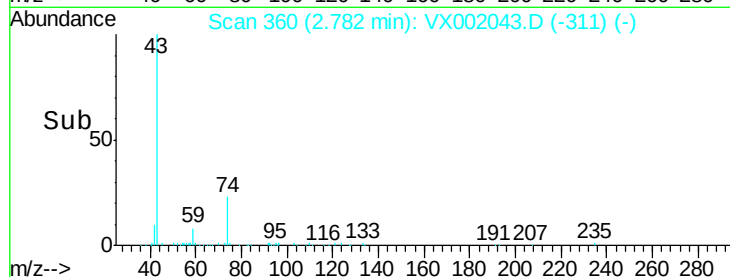
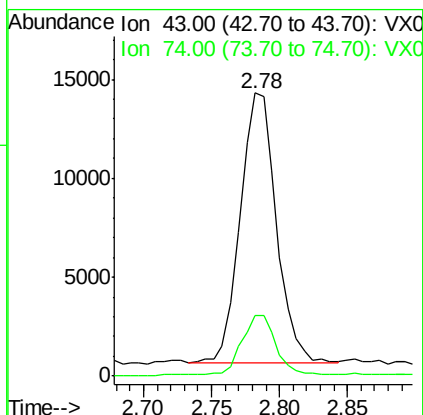
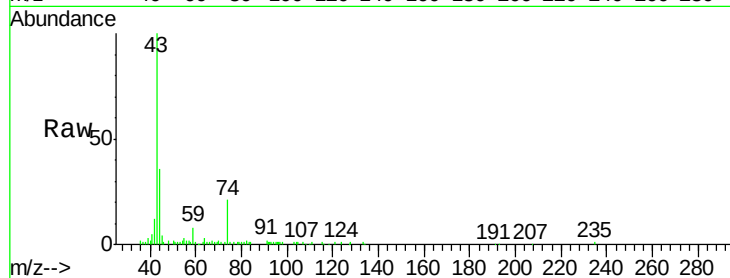




#18  
Methvl Acetate  
Concen: 111.03 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX002043.D  
Acq: 27 May 2018 02:58

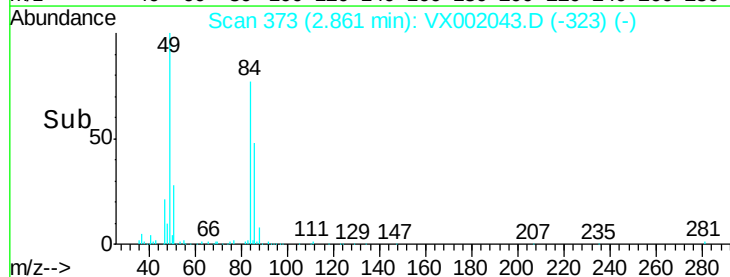
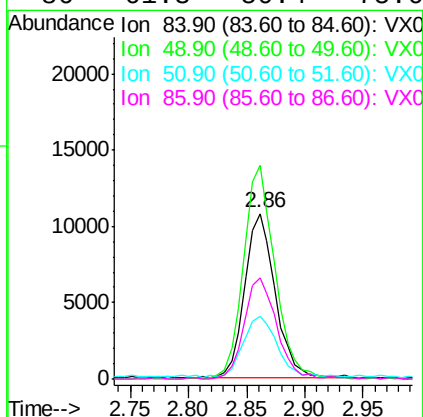
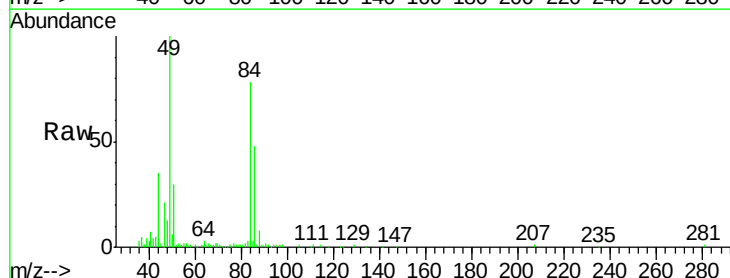
Instrument :  
MSVOA\_X  
ClientSampleId :  
HS-RO-7212003

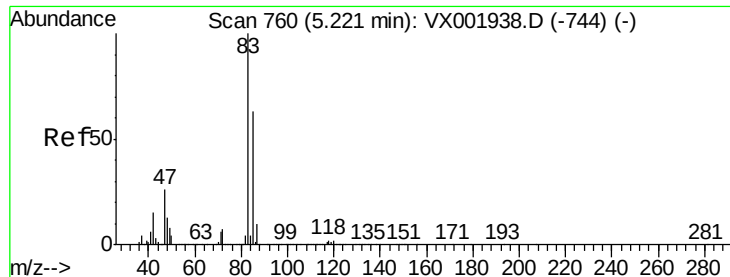
Tot Ion: 43 Resp: 25275  
Ion Ratio Lower Upper  
43 100  
74 22.9 16.8 25.2



#20  
Methylene Chloride  
Concen: 120.96 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. 0.01 min  
Lab File: VX002043.D  
Acq: 27 May 2018 02:58

Tgt Ion: 84 Resp: 19649  
Ion Ratio Lower Upper  
84 100  
49 129.3 107.2 160.8  
51 37.1 32.4 48.6  
86 61.3 50.4 75.6

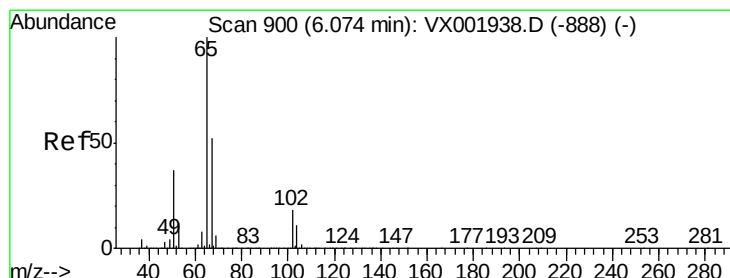
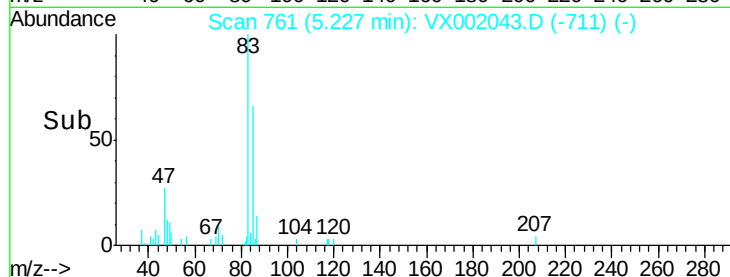
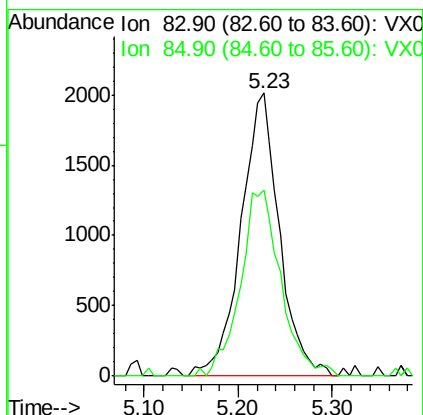
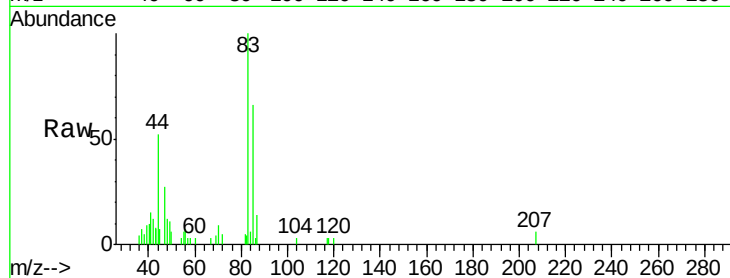




#30  
Chloroform  
Concen: 15.54 ug/l  
RT: 5.23 min Scan# 761  
Delta R.T. 0.01 min  
Lab File: VX002043.D  
Acq: 27 May 2018 02:58

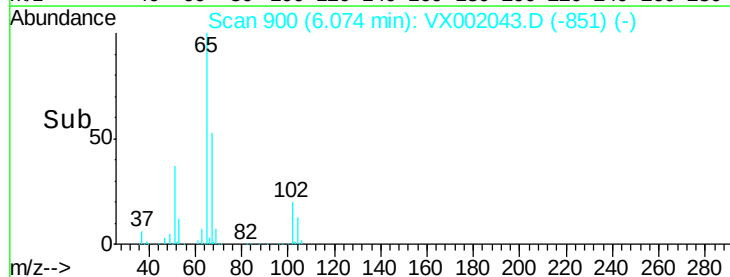
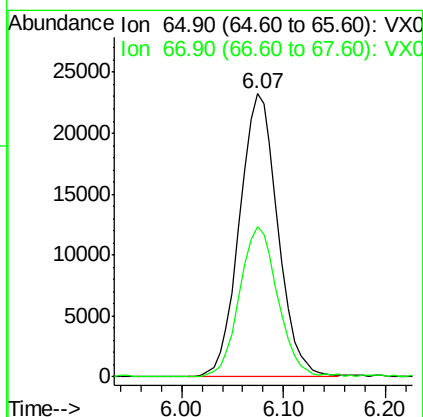
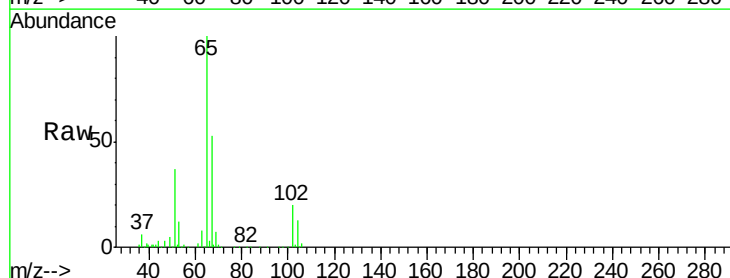
Instrument :  
MSVOA\_X  
ClientSampleId :  
HS-RO-7212003

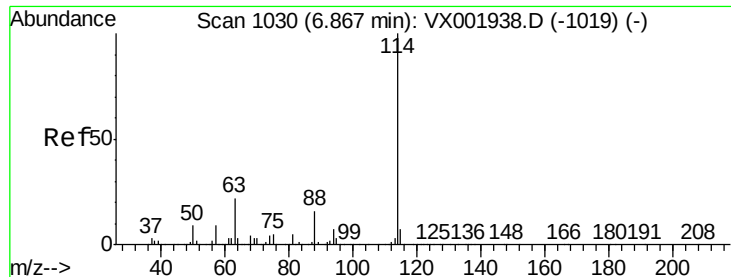
Tot Ion: 83 Resp: 5740  
Ion Ratio Lower Upper  
83 100  
85 65.6 50.9 76.3



#33  
1,2-Dichloroethane-d4  
Concen: 244.75 ug/l  
RT: 6.07 min Scan# 900  
Delta R.T. 0.00 min  
Lab File: VX002043.D  
Acq: 27 May 2018 02:58

Tgt Ion: 65 Resp: 60684  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002043.D

Acq: 27 May 2018 02:58

Instrument :

MSVOA\_X

ClientSampleId :

HS-RO-7212003

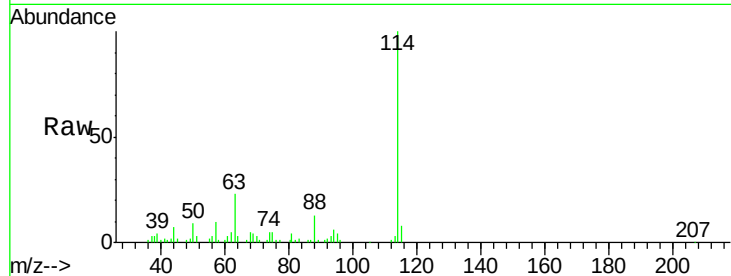
Tot Ion:114 Resp: 27555

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.2

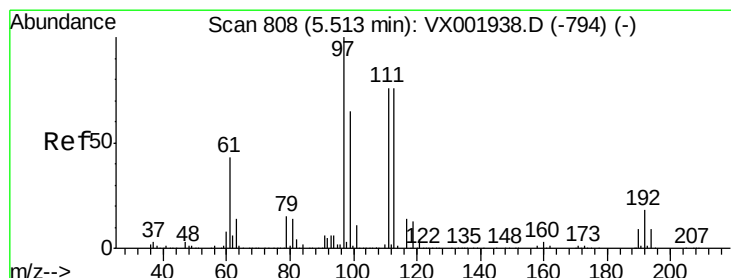
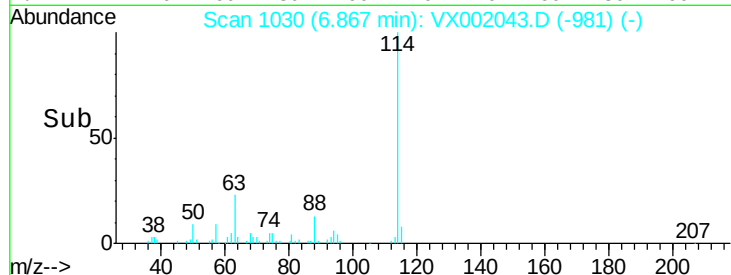
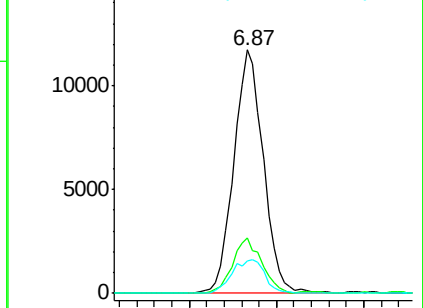
88 13.3 0.0 31.6



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: 147.25 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX002043.D

Acq: 27 May 2018 02:58

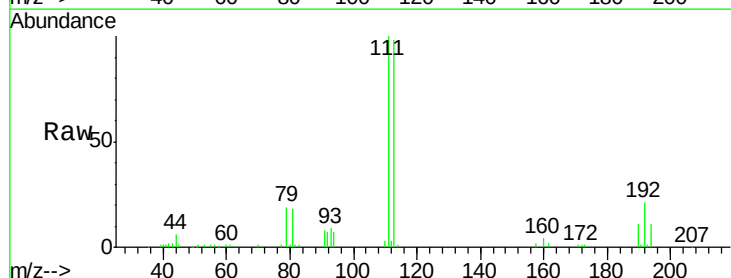
Tgt Ion:113 Resp: 40575

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

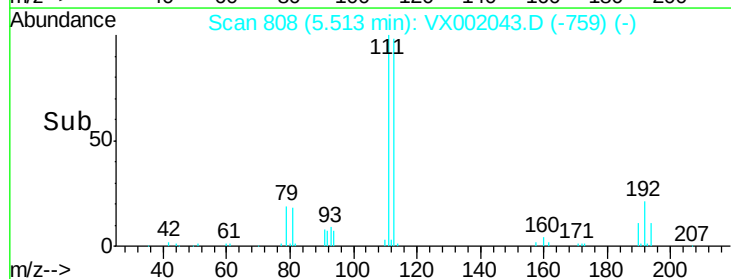
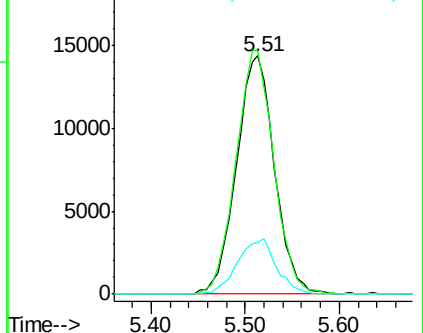
192 23.8 18.9 28.3

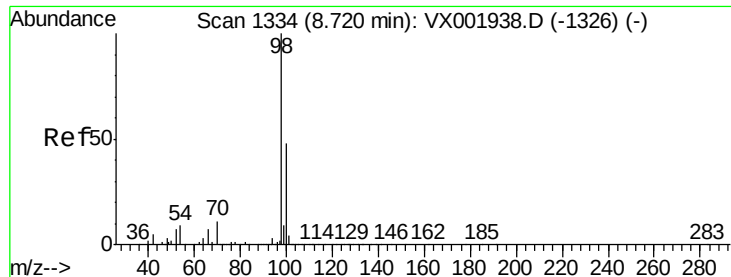


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 71.22 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002043.D

Acq: 27 May 2018 02:58

Instrument :

MSVOA\_X

ClientSampleId :

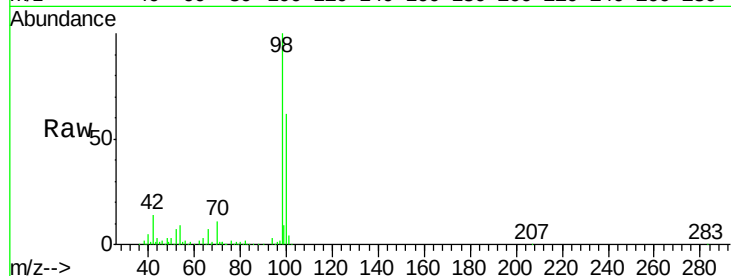
HS-RO-7212003

Tot Ion: 98 Resp: 71052

Ion Ratio Lower Upper

98 100

100 61.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

50000

40000

30000

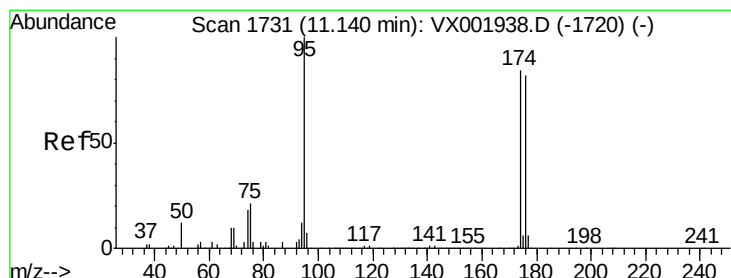
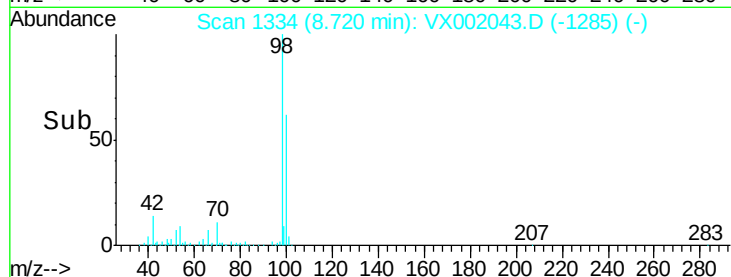
20000

10000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 58.83 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002043.D

Acq: 27 May 2018 02:58

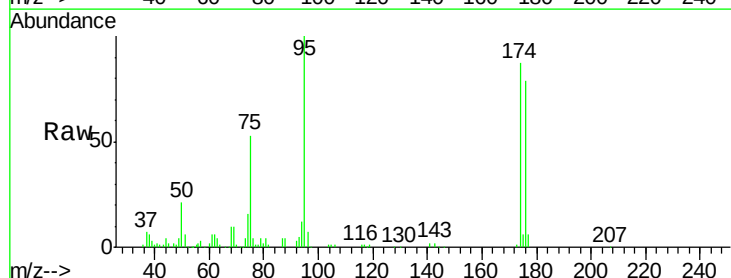
Tgt Ion: 95 Resp: 22964

Ion Ratio Lower Upper

95 100

174 90.7 0.0 178.8

176 86.7 0.0 175.6



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

11.14

25000

20000

15000

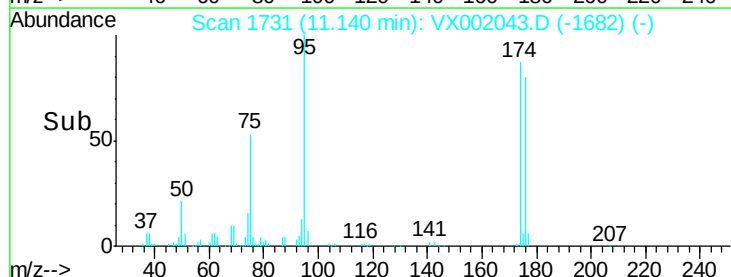
10000

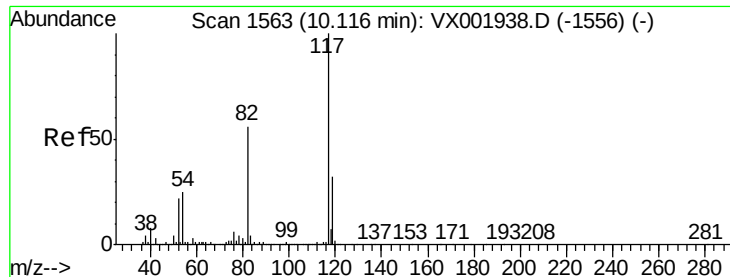
5000

0

11.10 11.20

Time-->

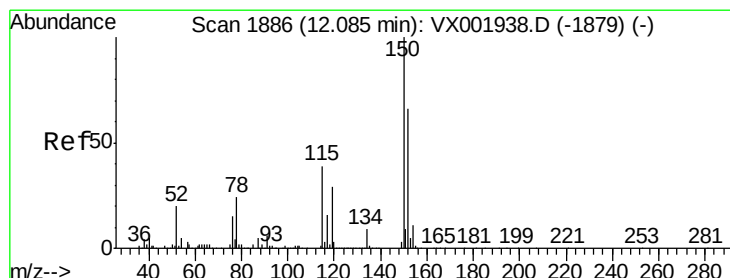
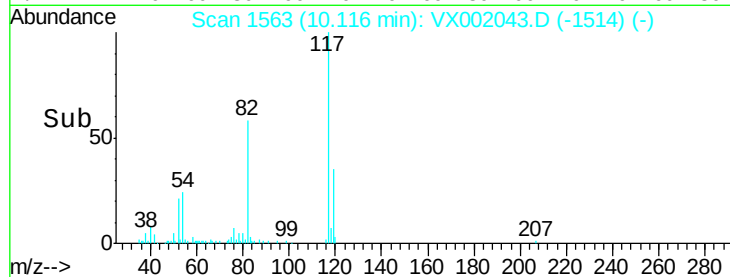
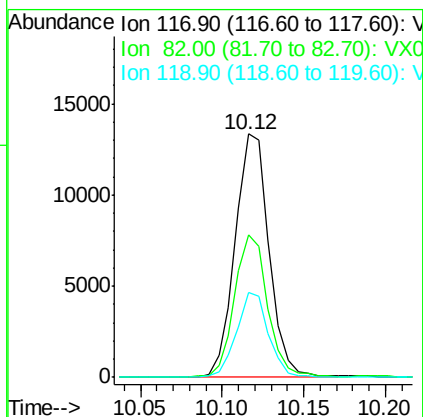
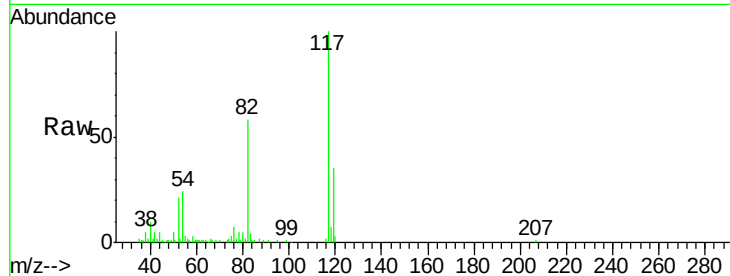




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX002043.D  
Acq: 27 May 2018 02:58

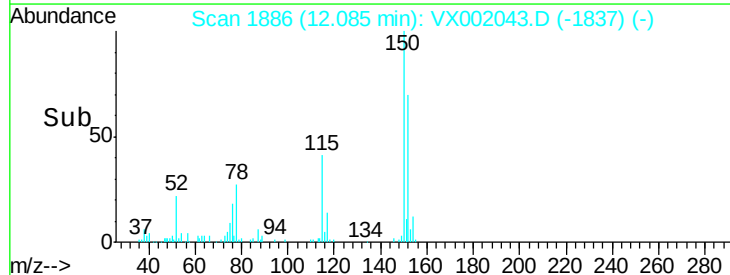
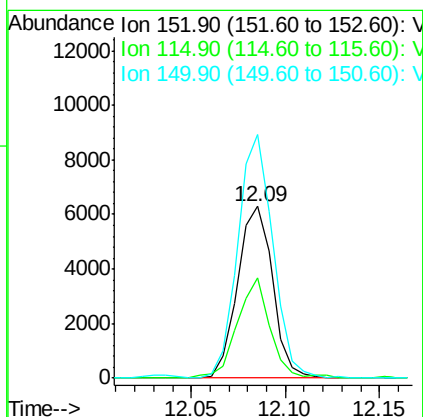
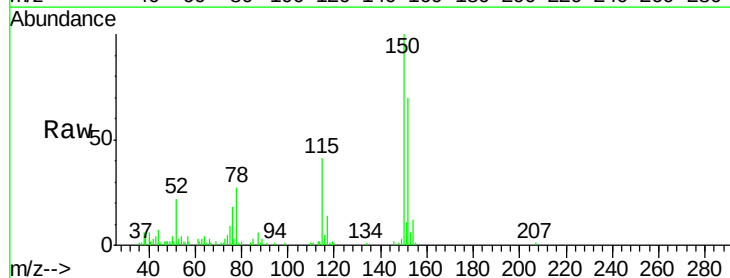
Instrument :  
MSVOA\_X  
ClientSampleId :  
HS-RO-7212003

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.0  | 44.8  | 67.2  |
| 119     | 35.0  | 25.5  | 38.3  |

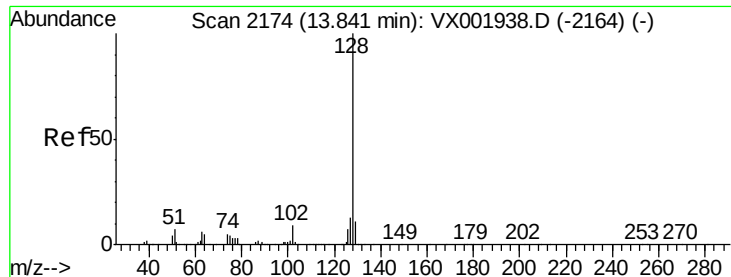


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX002043.D  
Acq: 27 May 2018 02:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.8  | 42.3  | 126.8 |
| 150     | 141.8 | 0.0   | 351.0 |







#95

Naphthalene

Concen: 139.16 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002043.D

Acq: 27 May 2018 02:58

Instrument :

MSVOA\_X

ClientSampleId :

HS-RO-7212003

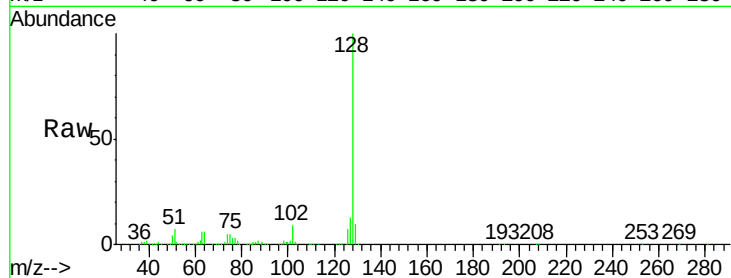
Tot Ion:128 Resp: 102316

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 10.7 8.8 13.2



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

