

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\  
 Data File : VX005928.D  
 Acq On : 13 Nov 2018 04:25  
 Operator : JC/MD  
 Sample : J5894-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DW-5

Quant Time: Nov 13 06:55:35 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

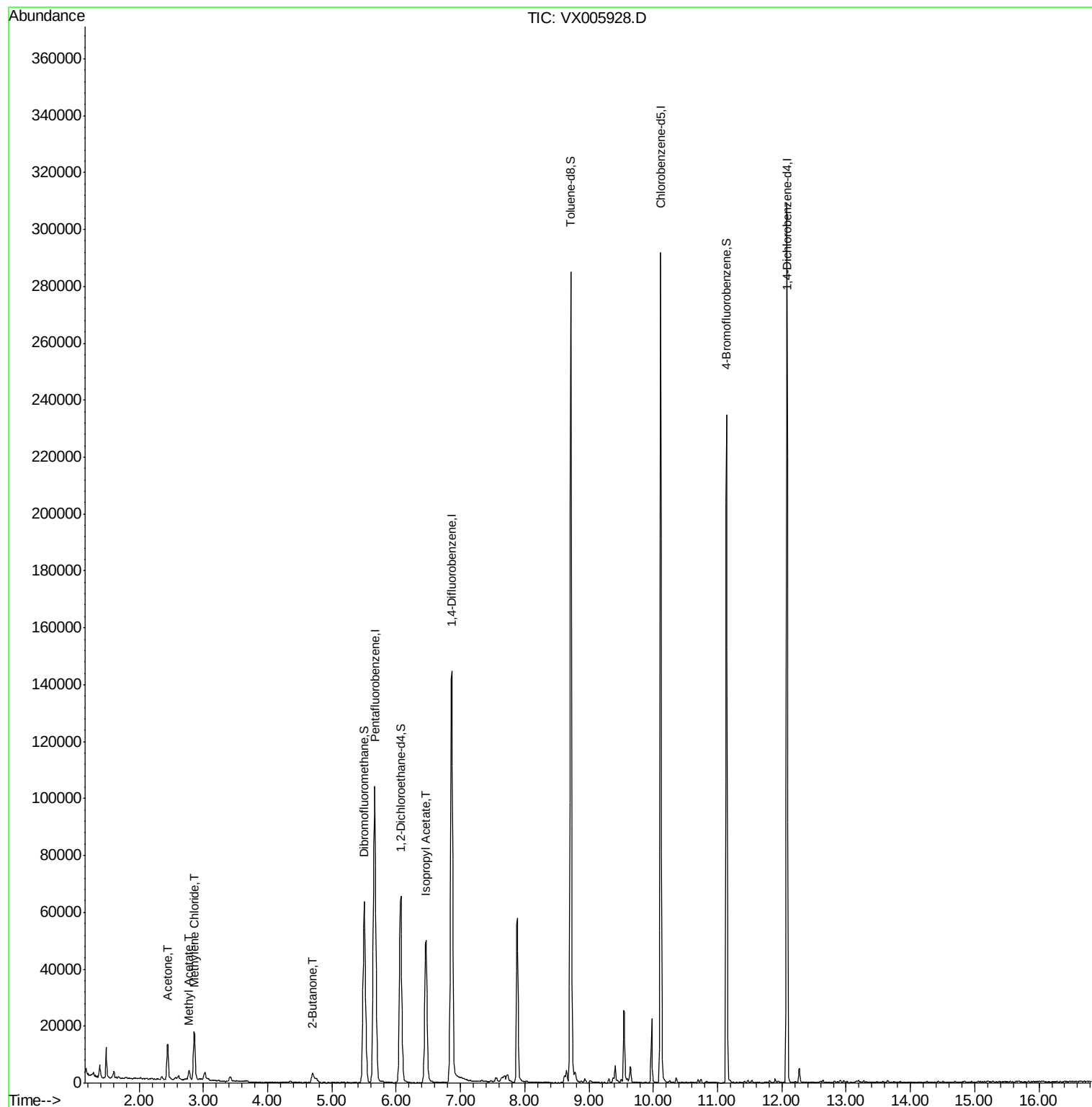
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 104059   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 148777   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 132205   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 62447    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 63514    | 53.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.18% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 51404    | 50.80  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.60% |          |
| 50) Toluene-d8              | 8.71  | 98   | 174710   | 51.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.86% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 58330    | 48.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.44%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 14009    | 21.749 | ug/l    | 97       |
| 18) Methyl Acetate          | 2.78  | 43   | 4419     | 1.110  | ug/l    | 94       |
| 20) Methylene Chloride      | 2.85  | 84   | 7231     | 6.834  | ug/l    | 97       |
| 25) 2-Butanone              | 4.70  | 43   | 6410     | 6.330  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 68782    | 25.168 | ug/l    | 98       |

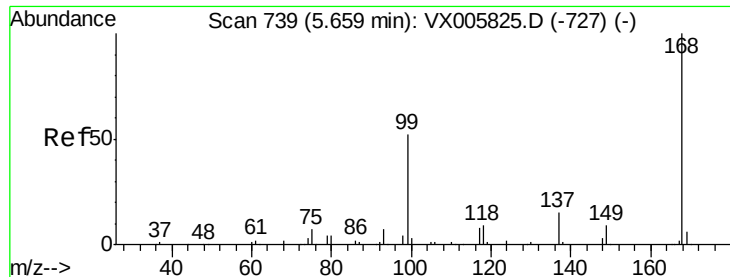
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111218\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
DW-5

Quant Time: Nov 13 06:55:35 2018  
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: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA\_X

ClientSampleId :

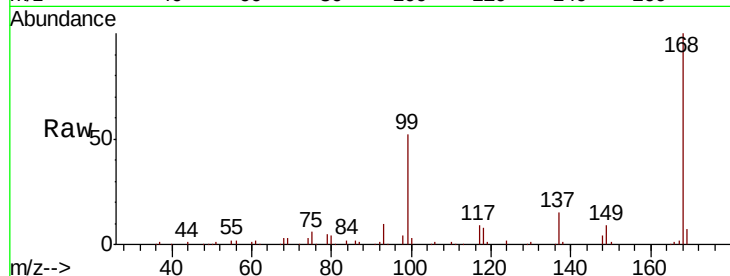
DW-5

Tot Ion:168 Resp: 104059

Ion Ratio Lower Upper

168 100

99 52.4 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

40000

30000

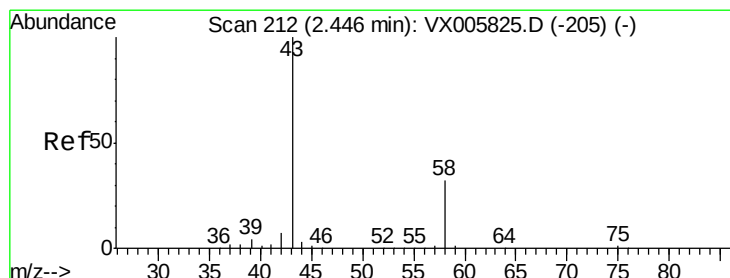
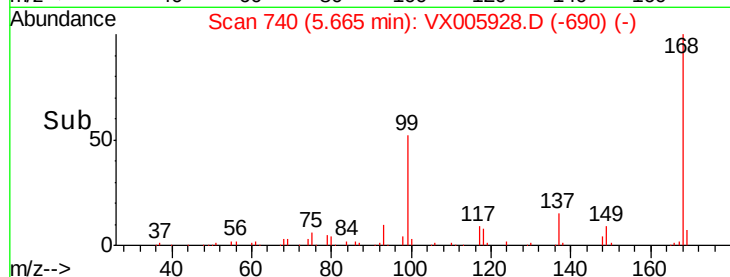
20000

10000

0

5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 21.749 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005928.D

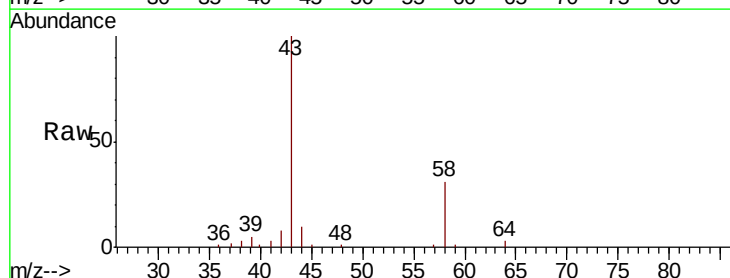
Acq: 13 Nov 2018 04:25

Tgt Ion: 43 Resp: 14009

Ion Ratio Lower Upper

43 100

58 31.3 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

8000

6000

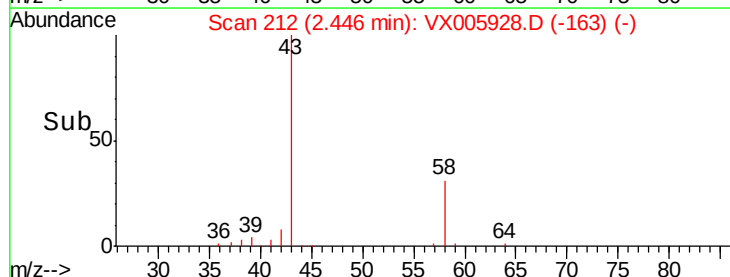
4000

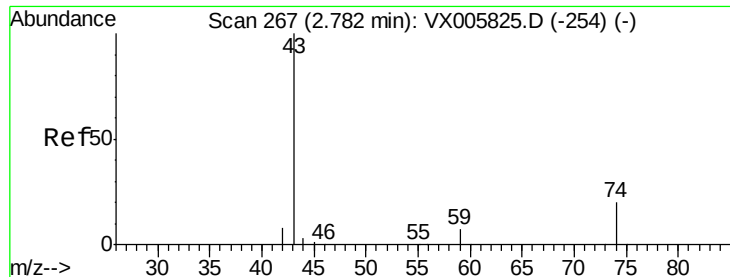
2000

0

2.35 2.40 2.45 2.50 2.55

Time-->

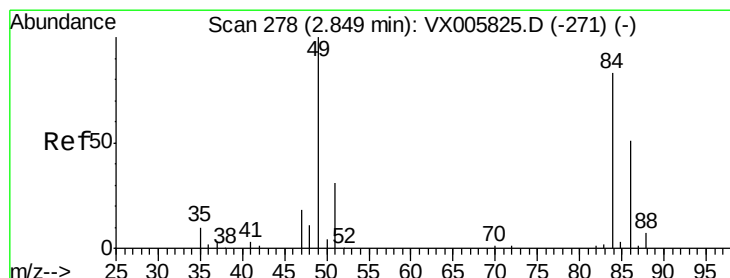
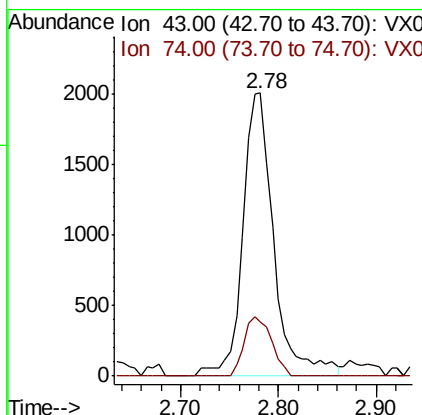
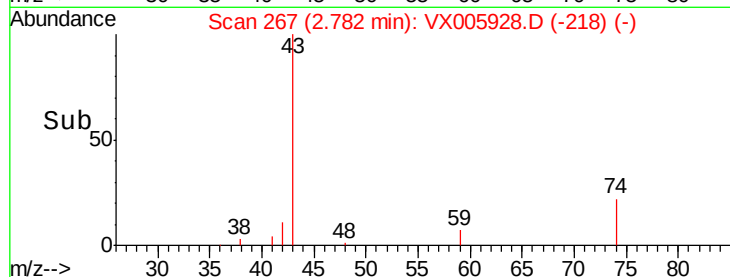
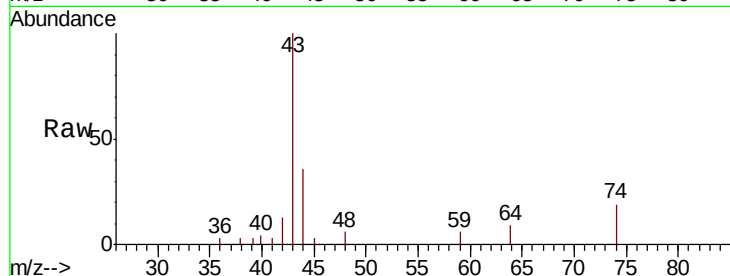




#18  
Methvl Acetate  
Concen: 1.110 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. 0.00 min  
Lab File: VX005928.D  
Acq: 13 Nov 2018 04:25

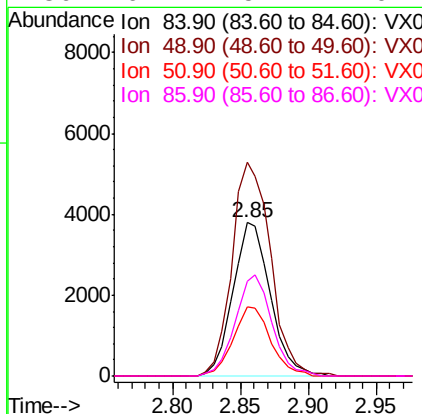
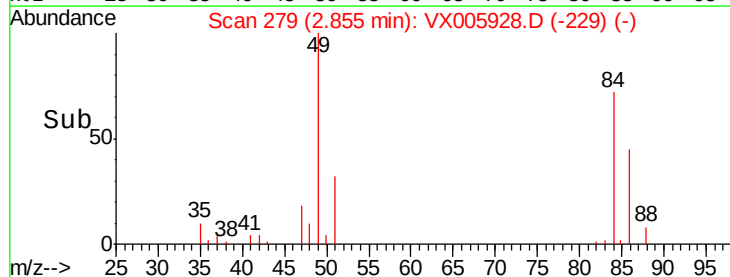
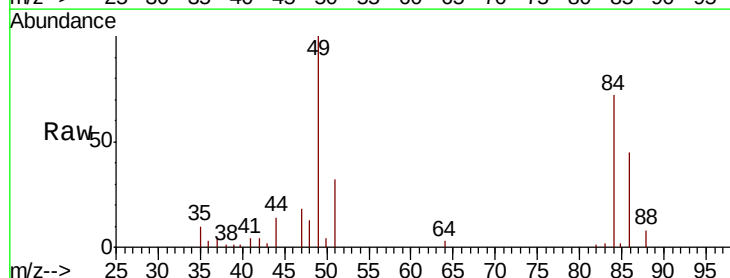
Instrument :  
MSVOA\_X  
ClientSampleId :  
DW-5

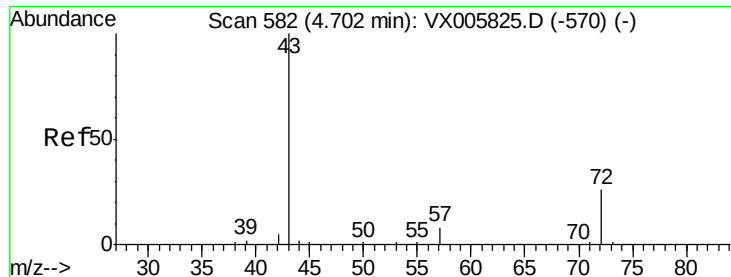
Tot Ion: 43 Resp: 4419  
Ion Ratio Lower Upper  
43 100  
74 18.4 16.8 25.2



#20  
Methylene Chloride  
Concen: 6.834 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.01 min  
Lab File: VX005928.D  
Acq: 13 Nov 2018 04:25

Tgt Ion: 84 Resp: 7231  
Ion Ratio Lower Upper  
84 100  
49 139.5 109.5 164.3  
51 44.9 33.3 49.9  
86 62.2 52.7 79.1





#25

2-Butanone

Concen: 6.330 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA\_X

ClientSampled :

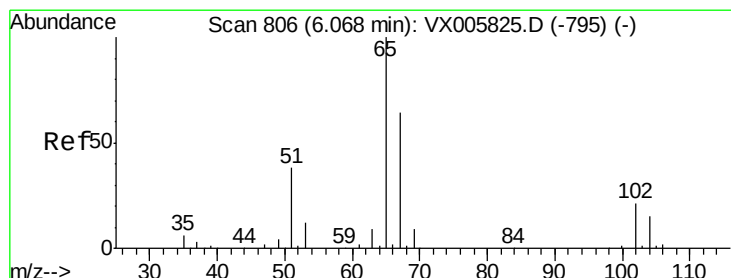
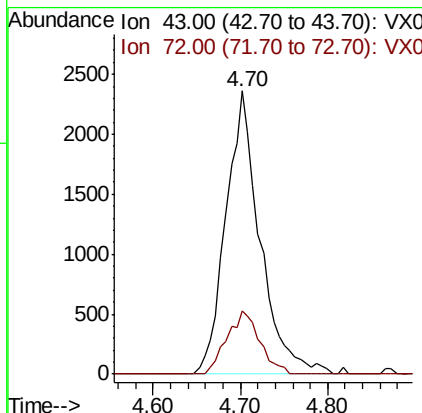
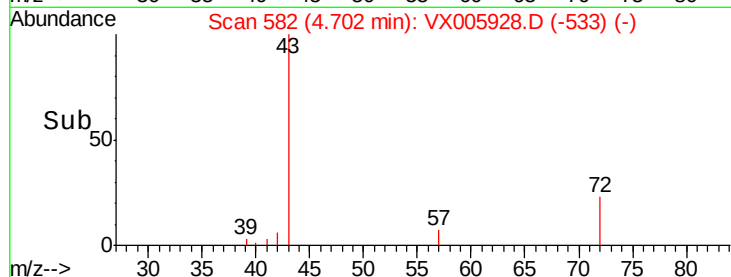
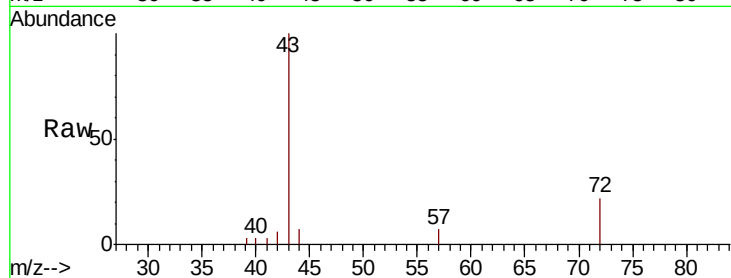
DW-5

Tot Ion: 43 Resp: 6410

Ion Ratio Lower Upper

43 100

72 22.5 19.2 28.8



#33

1,2-Dichloroethane-d4

Concen: 53.092 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005928.D

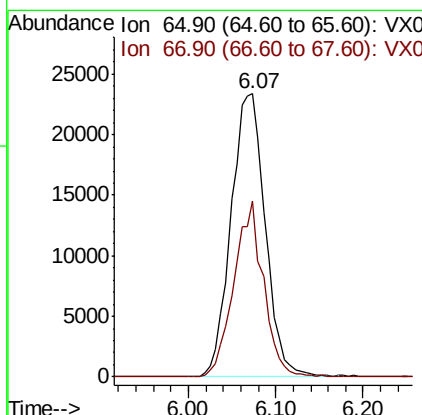
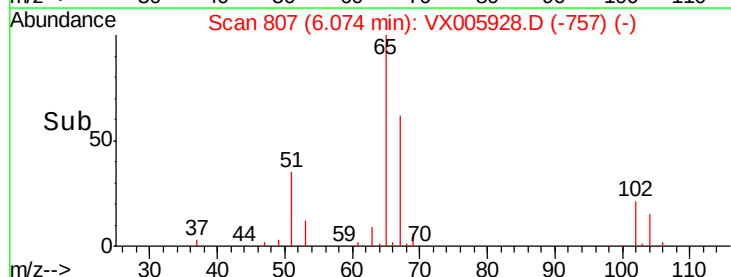
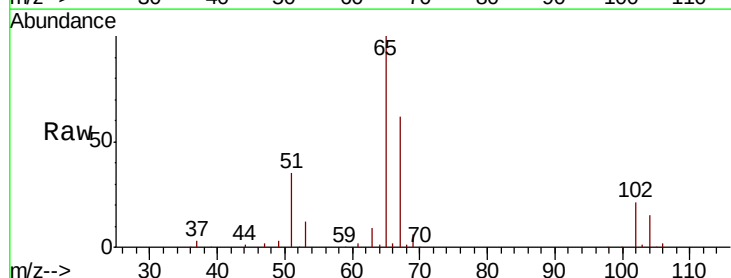
Acq: 13 Nov 2018 04:25

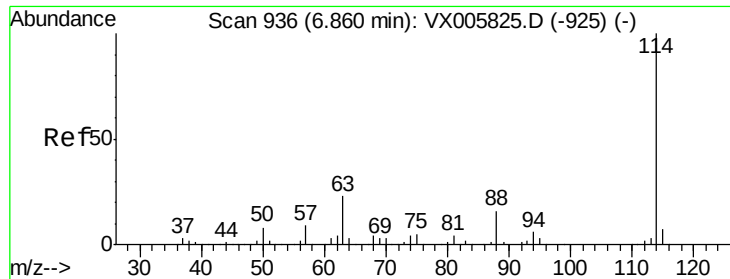
Tgt Ion: 65 Resp: 63514

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.0

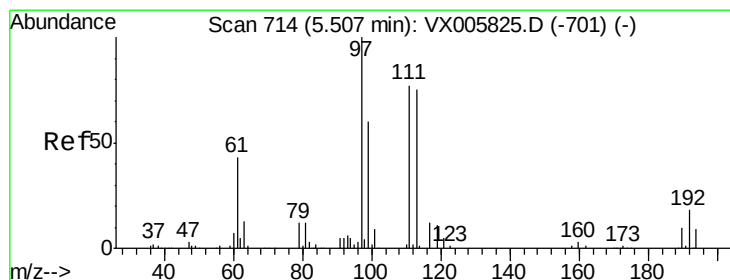
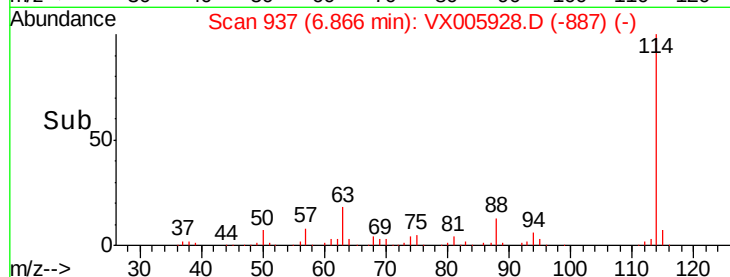
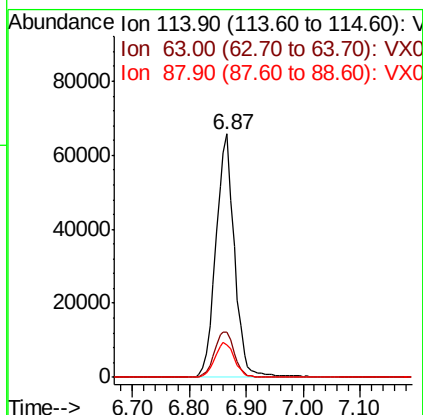
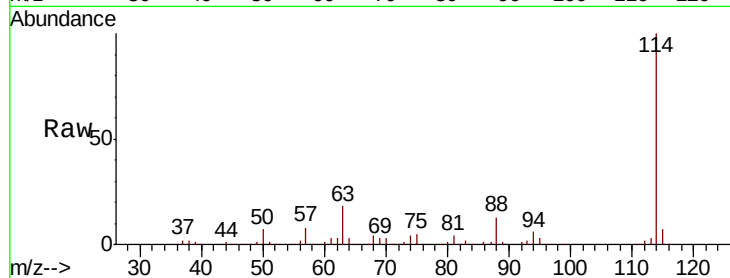




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.87 min Scan# 937  
 Delta R.T. 0.01 min  
 Lab File: VX005928.D  
 Acq: 13 Nov 2018 04:25

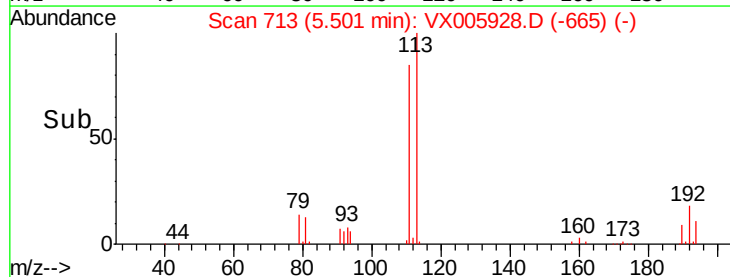
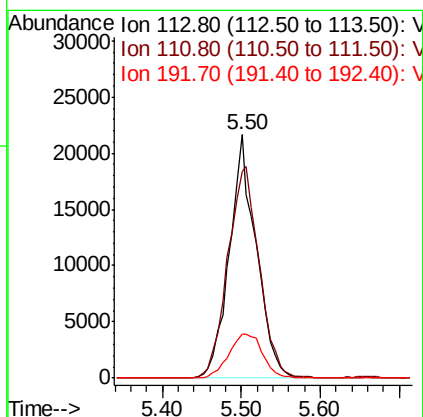
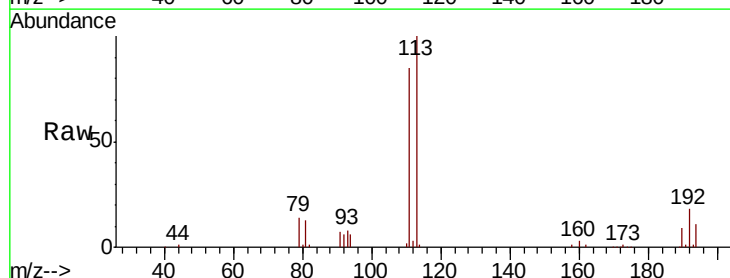
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DW-5

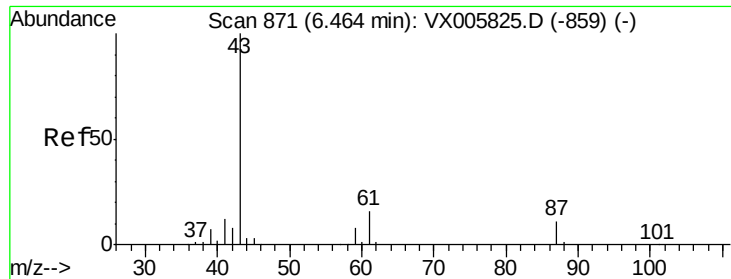
Tot Ion:114 Resp: 148777  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 42.8  
 88 13.3 0.0 31.2



#35  
 Dibromofluoromethane  
 Concen: 50.799 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.01 min  
 Lab File: VX005928.D  
 Acq: 13 Nov 2018 04:25

Tgt Ion:113 Resp: 51404  
 Ion Ratio Lower Upper  
 113 100  
 111 101.6 82.3 123.5  
 192 22.7 17.9 26.9





#43

Isopropyl Acetate

Concen: 25.168 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA\_X

ClientSampleId :

DW-5

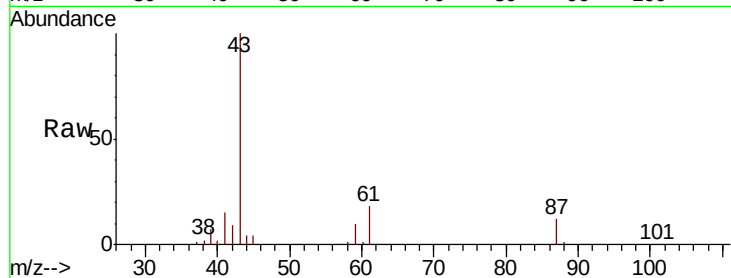
Tot Ion: 43 Resp: 68782

Ion Ratio Lower Upper

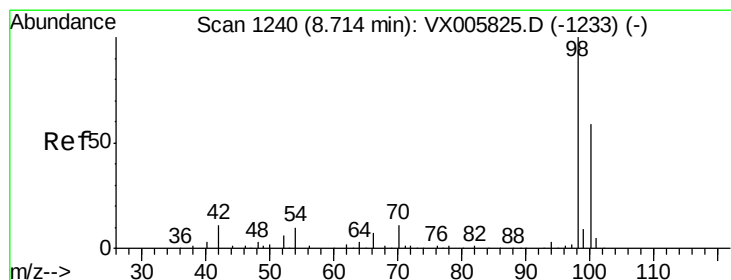
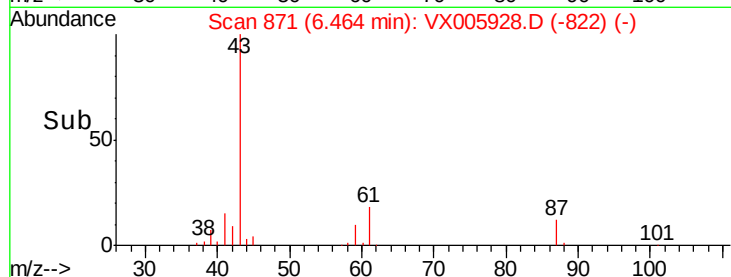
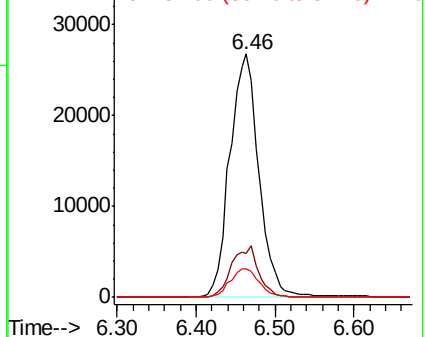
43 100

61 19.8 14.6 22.0

87 11.7 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX0  
Ion 61.00 (60.70 to 61.70): VX0  
Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 51.933 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005928.D

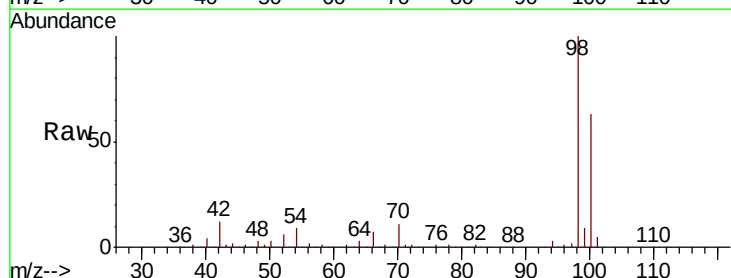
Acq: 13 Nov 2018 04:25

Tgt Ion: 98 Resp: 174710

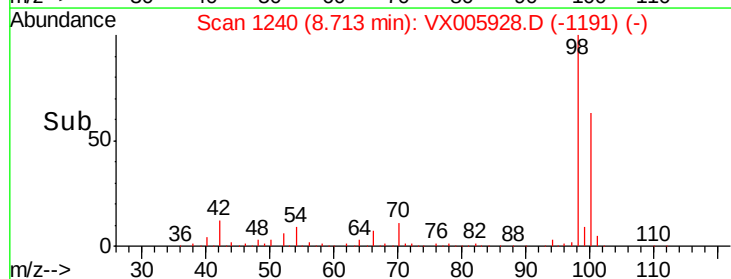
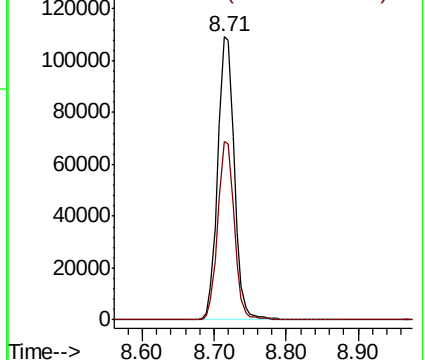
Ion Ratio Lower Upper

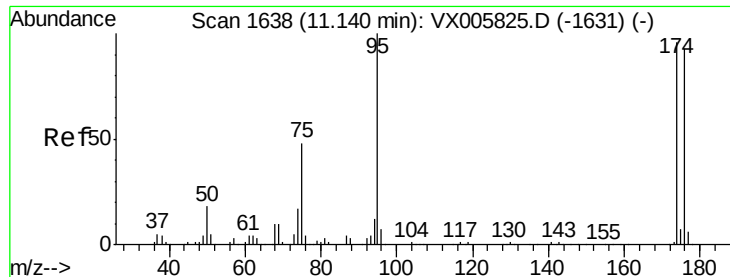
98 100

100 62.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0  
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.225 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

Instrument :

MSVOA\_X

ClientSampleId :

DW-5

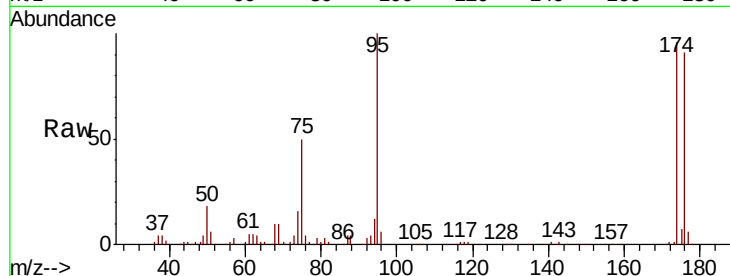
Tot Ion: 95 Resp: 58330

Ion Ratio Lower Upper

95 100

174 93.2 0.0 184.4

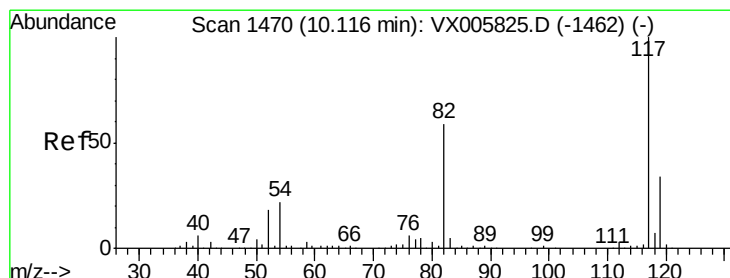
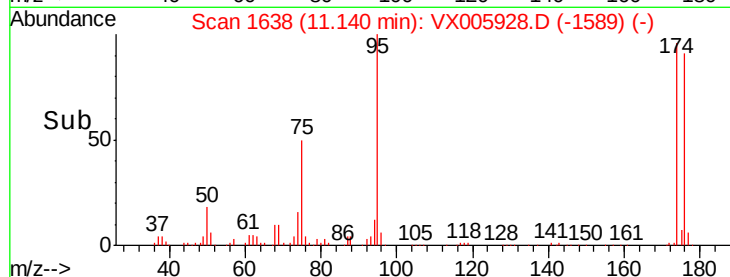
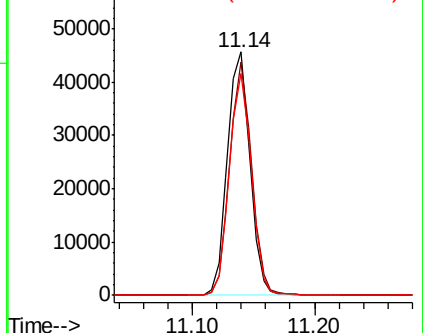
176 89.3 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX005928.D

Acq: 13 Nov 2018 04:25

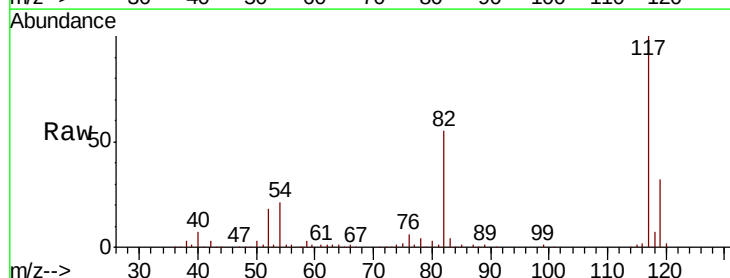
Tgt Ion: 117 Resp: 132205

Ion Ratio Lower Upper

117 100

82 54.9 44.1 66.1

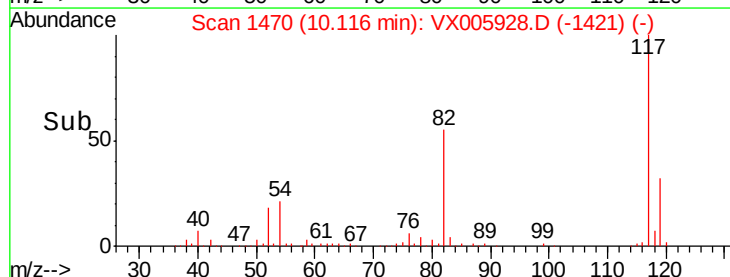
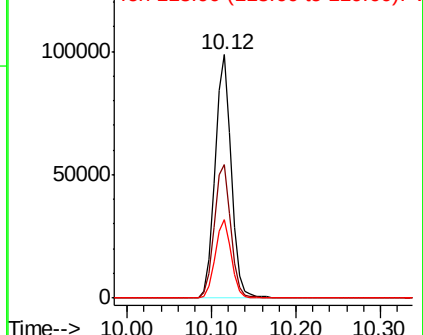
119 32.3 26.2 39.2



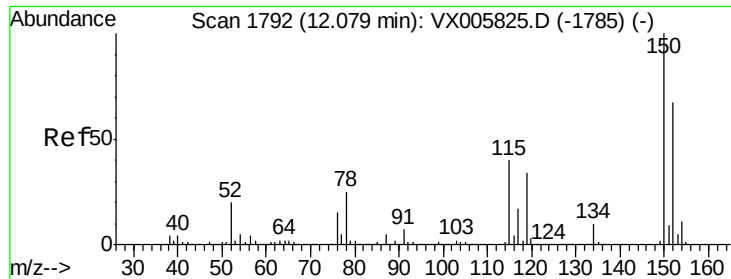
Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)



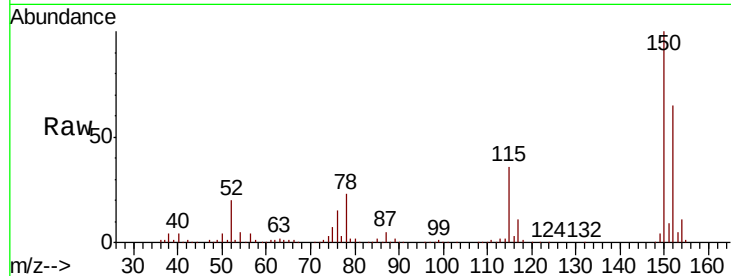




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX005928.D  
 Acq: 13 Nov 2018 04:25

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DW-5

Tot Ion:152 Resp: 62447  
 Ion Ratio Lower Upper  
 152 100  
 115 55.7 39.4 118.1  
 150 156.7 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

