

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051218\  
 Data File : VX001689.D  
 Acq On : 13 May 2018 01:34  
 Operator : JC/MD  
 Sample : PB109200ZHE#05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB109200ZHE#05

Quant Time: May 14 07:46:17 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sun May 06 07:59:25 2018  
 Response via : Initial Calibration

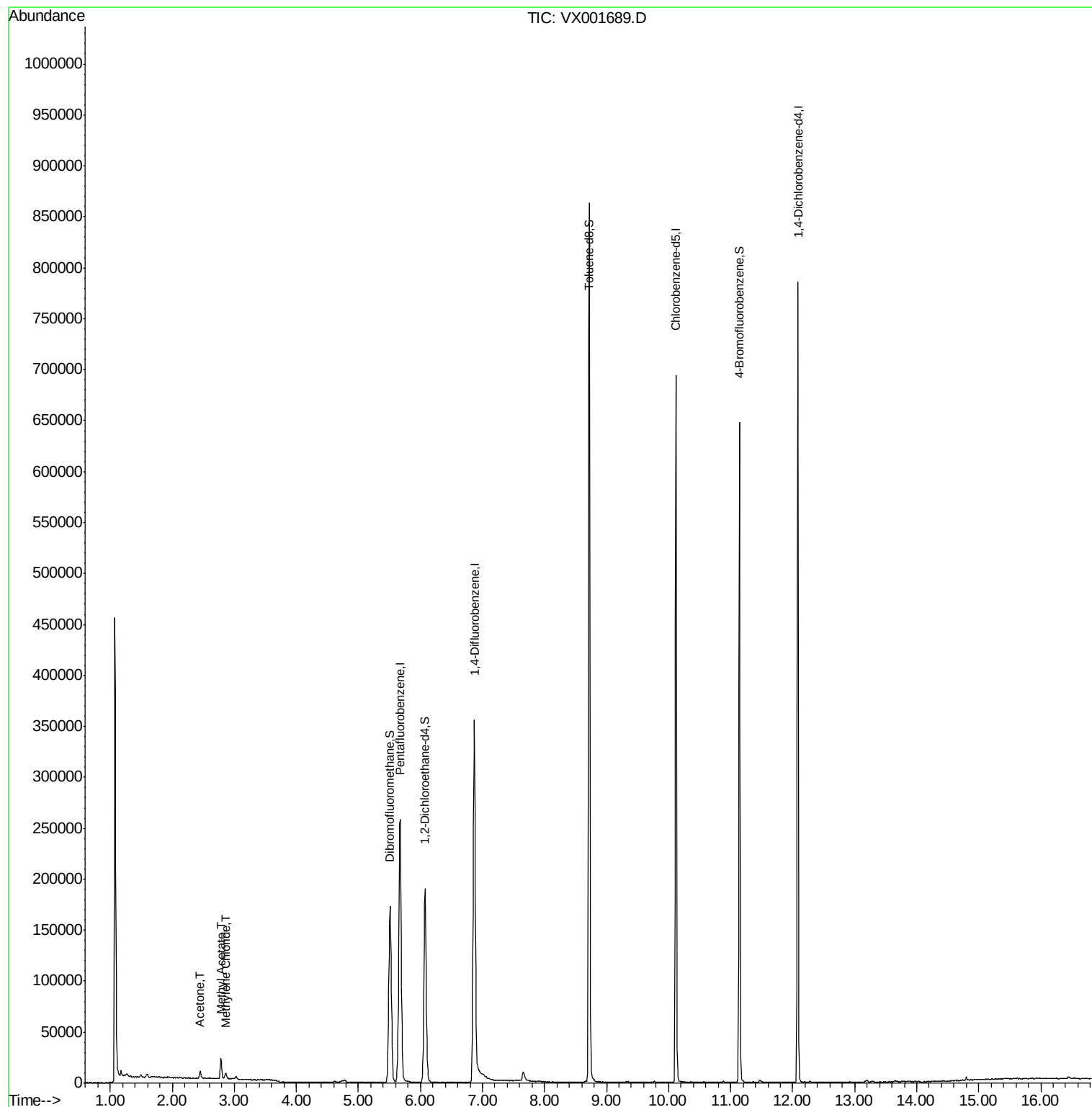
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 273039   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 369445   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 322929   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 171808   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 180214   | 45.92 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.84% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 143630   | 43.71 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.42% |          |
| 50) Toluene-d8              | 8.72  | 98   | 511669   | 42.66 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 85.32% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 162233   | 35.23 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 70.46% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 7722     | 4.33  | ug/l   | 95       |
| 18) Methyl Acetate          | 2.78  | 43   | 23271    | 4.97  | ug/l   | 100      |
| 20) Methylene Chloride      | 2.86  | 84   | 2761     | 0.78  | ug/l   | 96       |

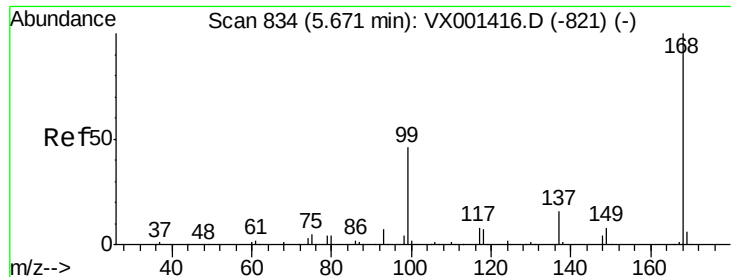
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sun May 06 07:59:25 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: VX001689.D

Acq: 13 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

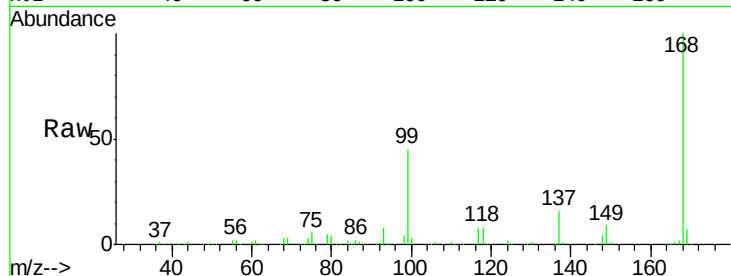
PB109200ZHE#05

Tot Ion:168 Resp: 273039

Ion Ratio Lower Upper

168 100

99 45.2 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

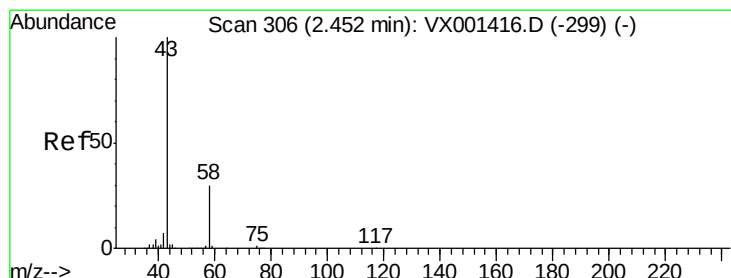
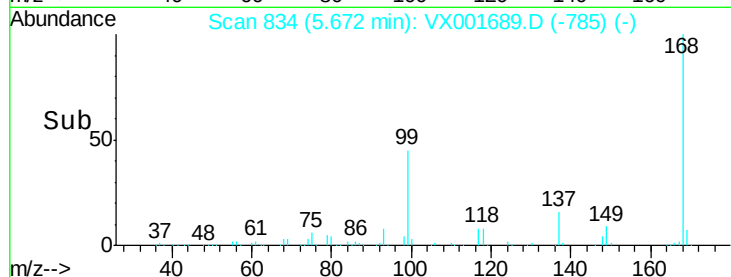
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.33 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001689.D

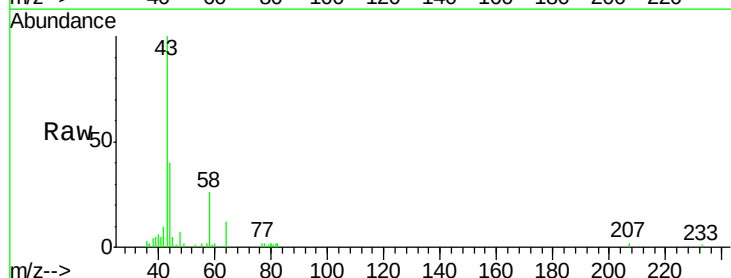
Acq: 13 May 2018 01:34

Tgt Ion: 43 Resp: 7722

Ion Ratio Lower Upper

43 100

58 27.2 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

5000

4000

3000

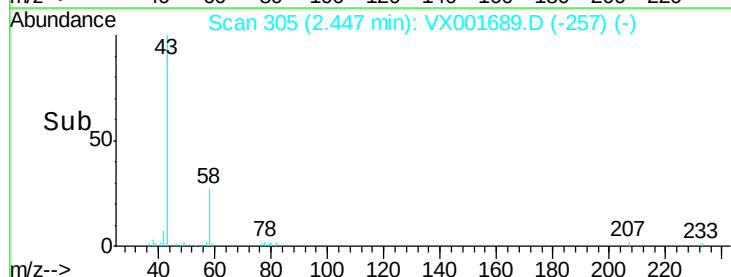
2000

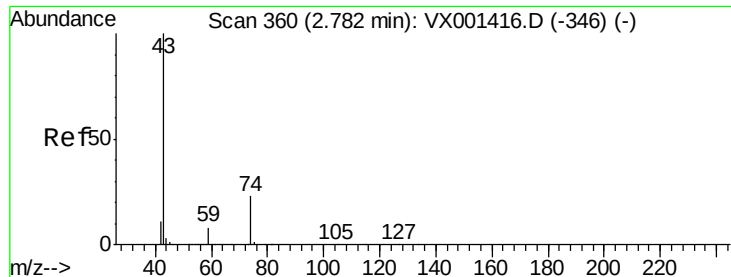
1000

0

Time-->

2.40 2.45 2.50





#18

Methvl Acetate

Concen: 4.97 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001689.D

Acq: 13 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

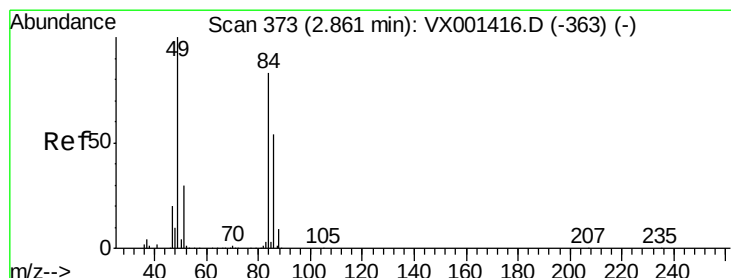
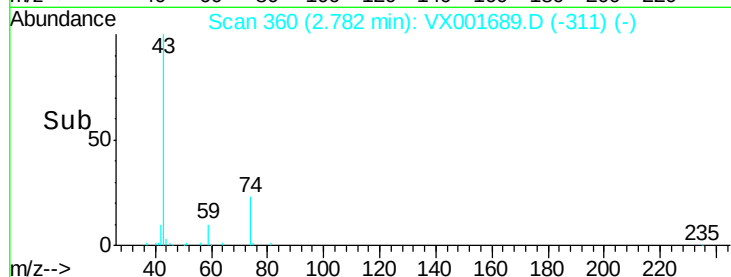
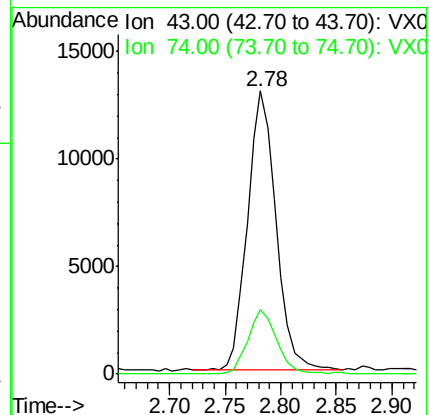
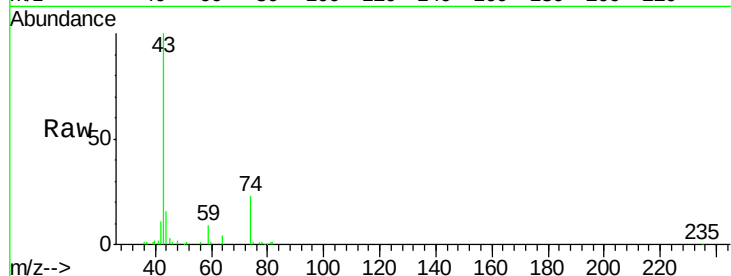
PB109200ZHE#05

Tot Ion: 43 Resp: 23271

Ion Ratio Lower Upper

43 100

74 23.3 18.6 27.8



#20

Methylene Chloride

Concen: 0.78 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001689.D

Acq: 13 May 2018 01:34

Tgt Ion: 84 Resp: 2761

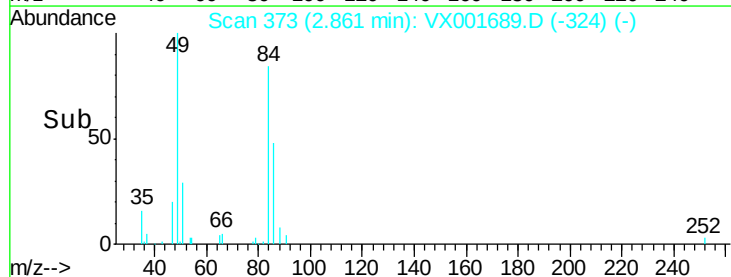
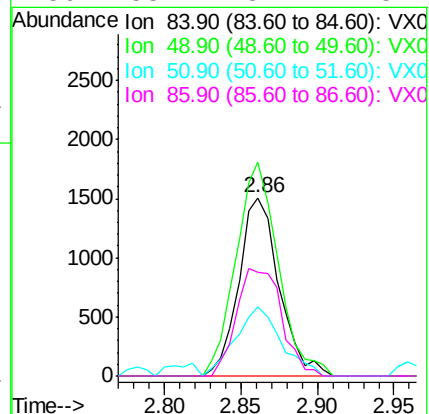
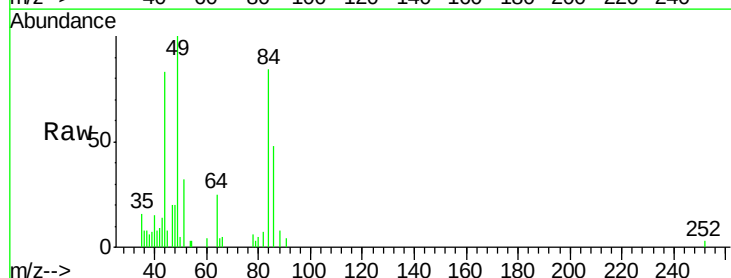
Ion Ratio Lower Upper

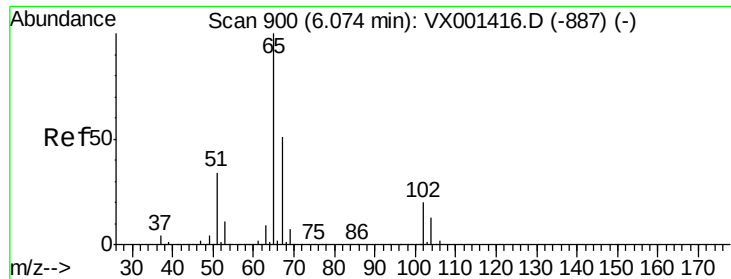
84 100

49 119.7 96.6 144.8

51 38.6 29.0 43.4

86 58.1 52.2 78.4

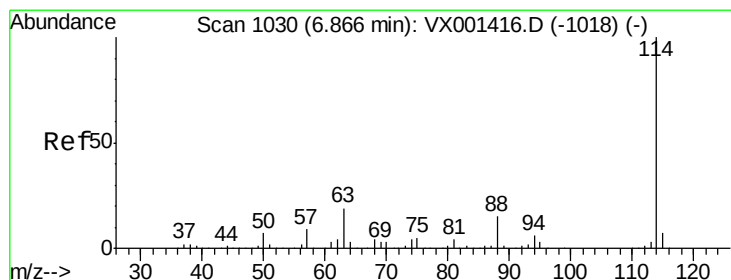
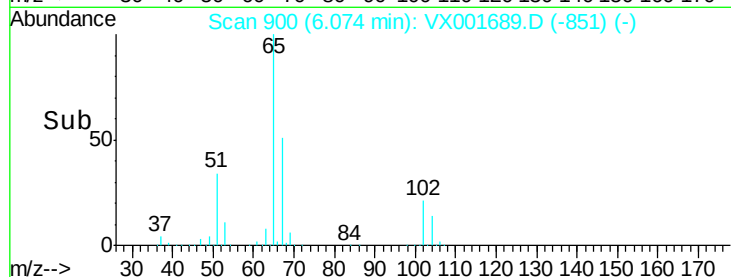
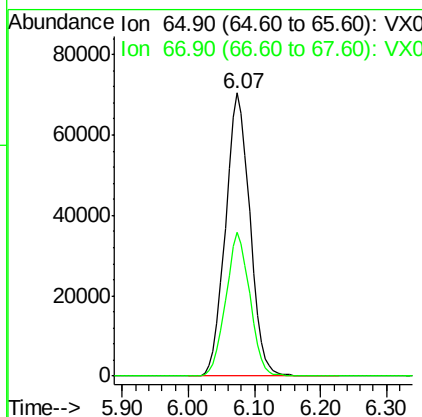
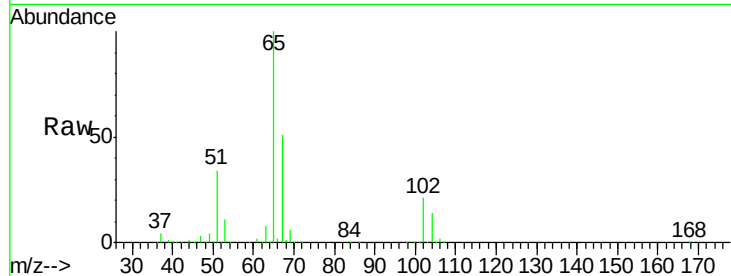




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.92 ug/l  
 RT: 6.07 min Scan# 900  
 Delta R.T. 0.00 min  
 Lab File: VX001689.D  
 Acq: 13 May 2018 01:34

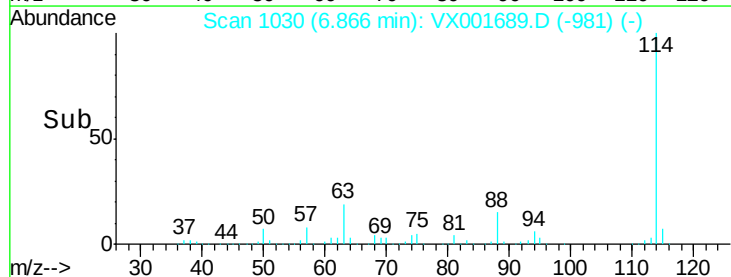
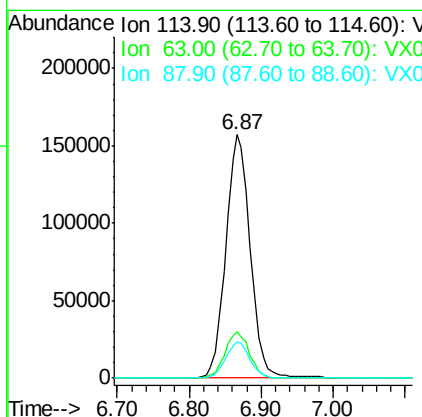
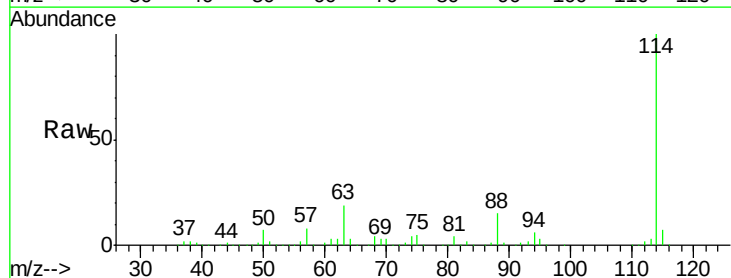
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB109200ZHE#05

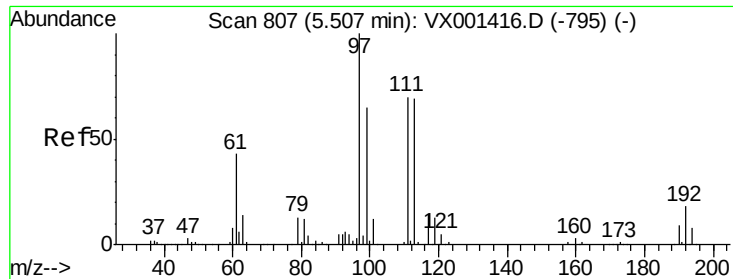
Tot Ion: 65 Resp: 180214  
 Ion Ratio Lower Upper  
 65 100  
 67 50.1 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: VX001689.D  
 Acq: 13 May 2018 01:34

Tgt Ion: 114 Resp: 369445  
 Ion Ratio Lower Upper  
 114 100  
 63 19.1 0.0 38.6  
 88 15.0 0.0 30.8

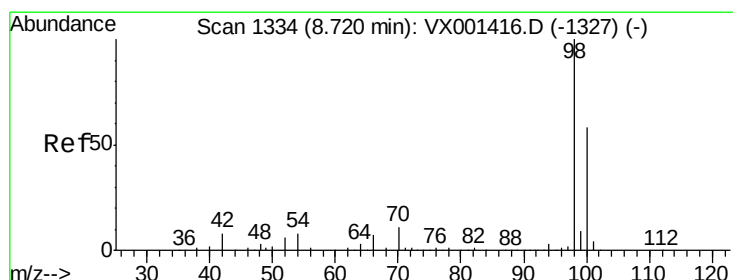
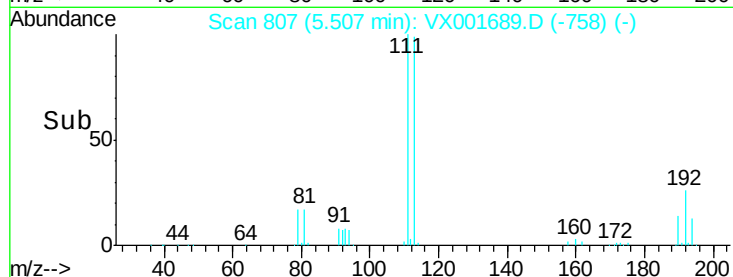
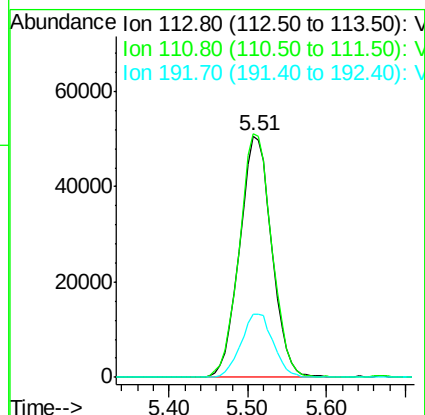
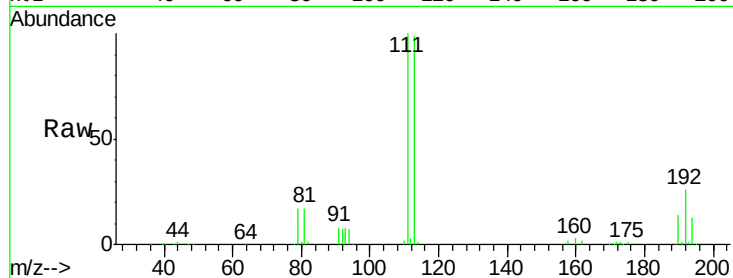




#35  
Dibromofluoromethane  
Concen: 43.71 ug/l  
RT: 5.51 min Scan# 807  
Delta R.T. 0.00 min  
Lab File: VX001689.D  
Acq: 13 May 2018 01:34

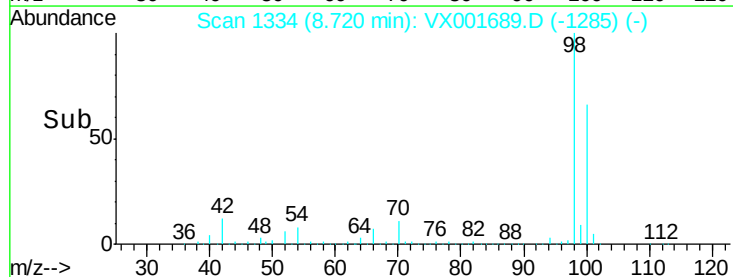
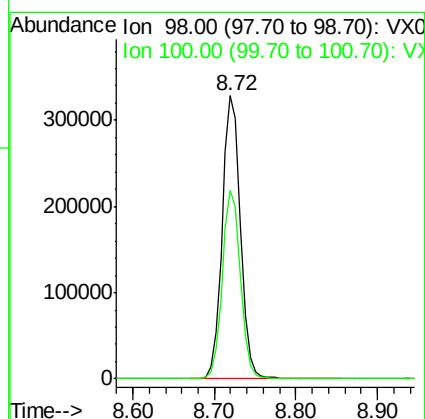
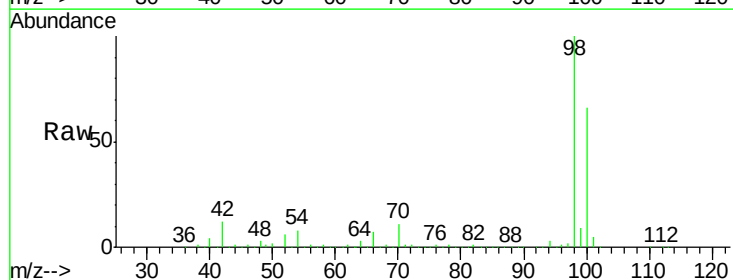
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MSVOA\_X  
ClientSampleId :  
PB109200ZHE#05

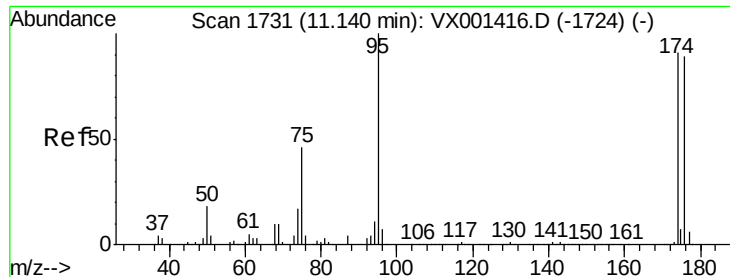
Tot Ion:113 Resp: 143630  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.2 123.2  
192 26.3 21.4 32.0



#50  
Toluene-d8  
Concen: 42.66 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. 0.00 min  
Lab File: VX001689.D  
Acq: 13 May 2018 01:34

Tgt Ion: 98 Resp: 511669  
Ion Ratio Lower Upper  
98 100  
100 66.3 54.0 81.0

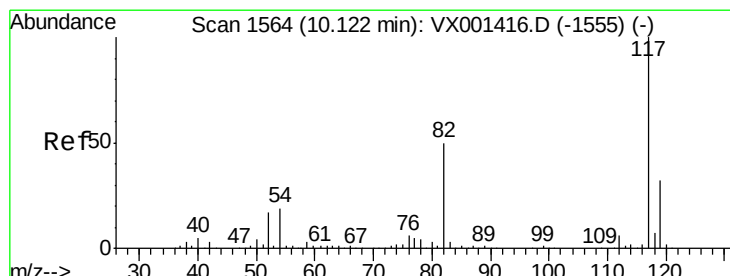
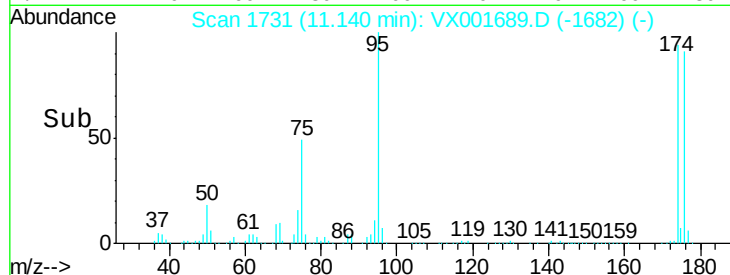
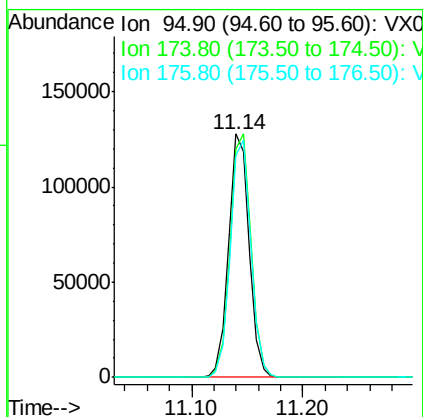
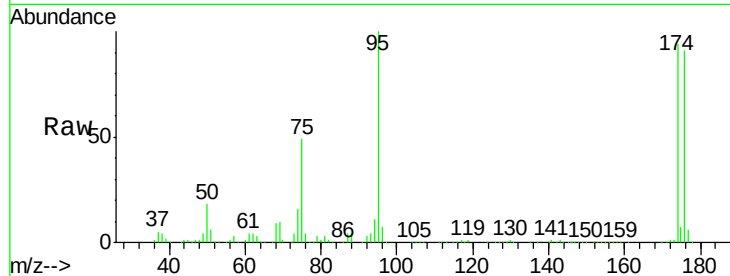




#62  
4-Bromofluorobenzene  
Concen: 35.23 ug/l  
RT: 11.14 min Scan# 1731  
Delta R.T. 0.00 min  
Lab File: VX001689.D  
Acq: 13 May 2018 01:34

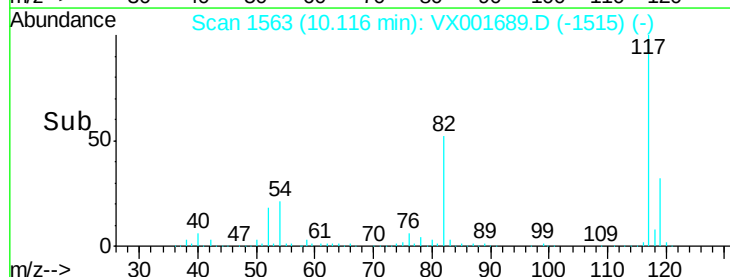
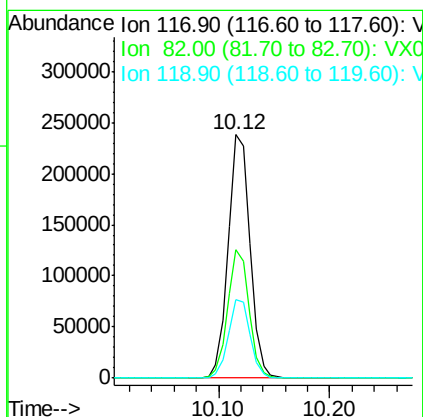
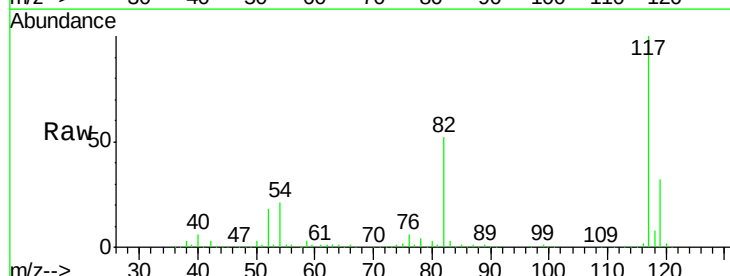
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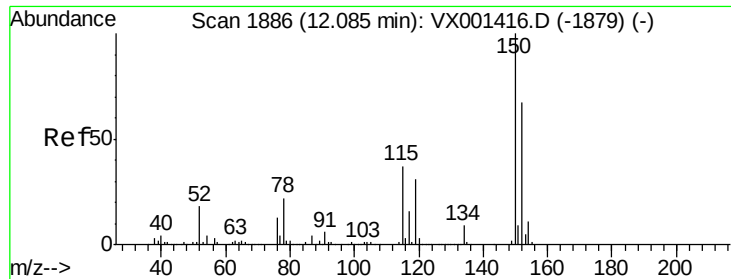
Tot Ion: 95 Resp: 162233  
Ion Ratio Lower Upper  
95 100  
174 101.9 0.0 202.0  
176 98.3 0.0 197.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.01 min  
Lab File: VX001689.D  
Acq: 13 May 2018 01:34

Tgt Ion: 117 Resp: 322929  
Ion Ratio Lower Upper  
117 100  
82 52.5 40.0 60.0  
119 32.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001689.D

Acq: 13 May 2018 01:34

Instrument :

MSVOA\_X

ClientSampleId :

PB109200ZHE#05

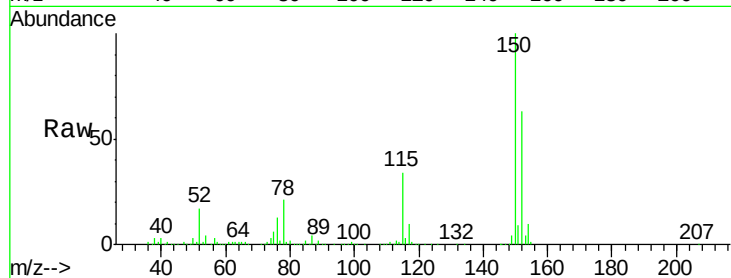
Tot Ion:152 Resp: 171808

Ion Ratio Lower Upper

152 100

115 53.2 37.7 113.1

150 156.6 0.0 349.4



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

