

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX010719\  
 Data File : VX006931.D  
 Acq On : 07 Jan 2019 13:15  
 Operator : JC/MD  
 Sample : PB116189ZHE#01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB116189ZHE#01

Quant Time: Jan 08 06:57:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 19 15:20:58 2018  
 Response via : Initial Calibration

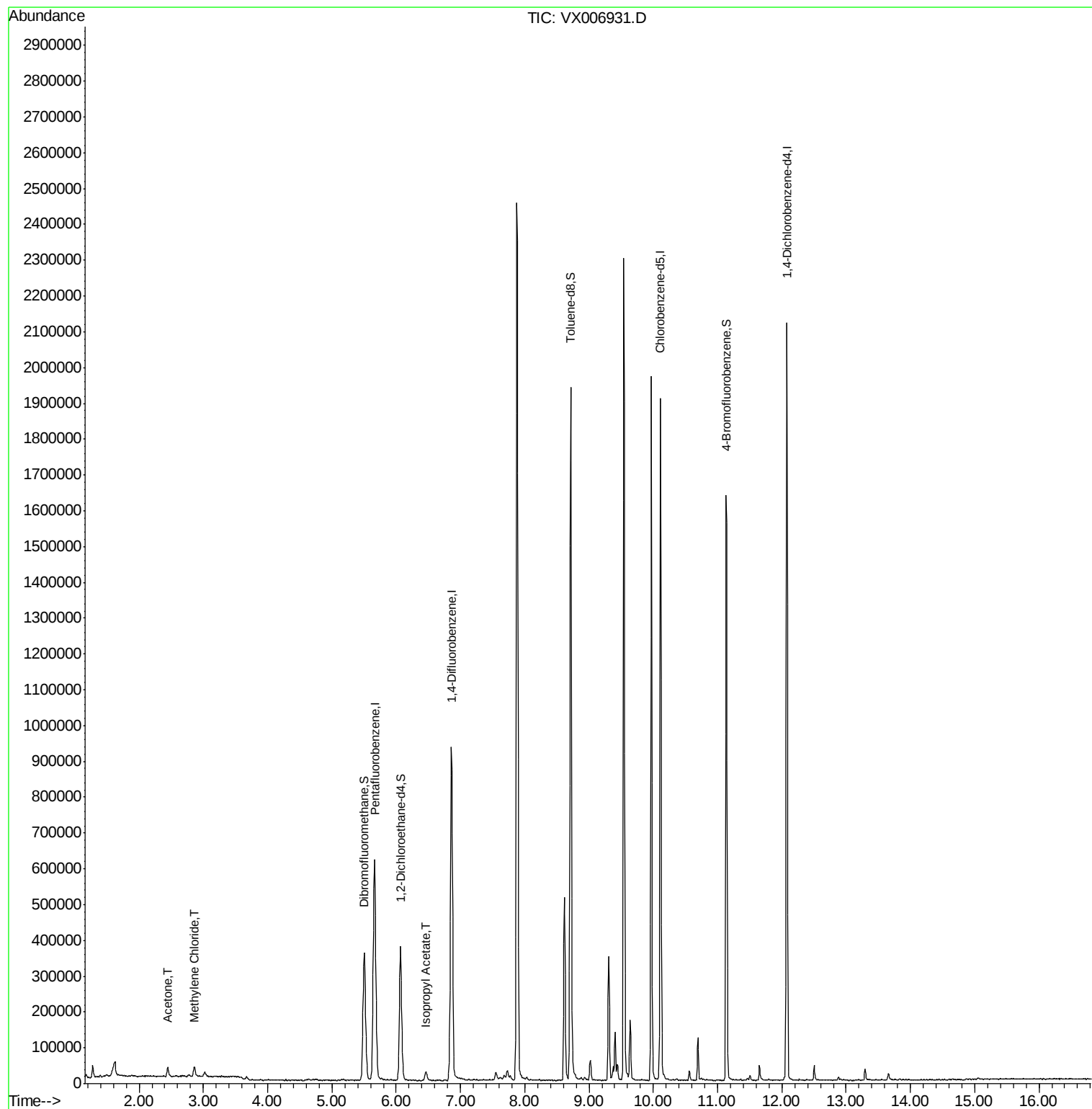
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 648420   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 996611   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 937977   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 457234   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 337066   | 48.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.46%  |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 304080   | 48.25 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.50%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1204534  | 50.70 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.40% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 428863   | 49.28 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.56%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.45  | 43   | 28305    | 8.816 | ug/l    | 99       |
| 20) Methylene Chloride      | 2.86  | 84   | 13346    | 2.010 | ug/l    | 94       |
| 43) Isopropyl Acetate       | 6.46  | 43   | 31393    | 2.402 | ug/l    | 98       |

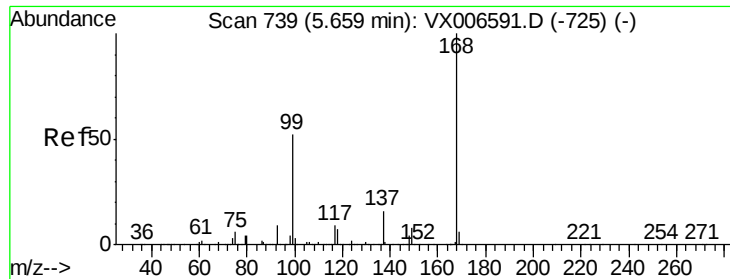
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 19 15:20:58 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: VX006931.D

Acq: 07 Jan 2019 13:15

Instrument :

MSVOA\_X

ClientSampleId :

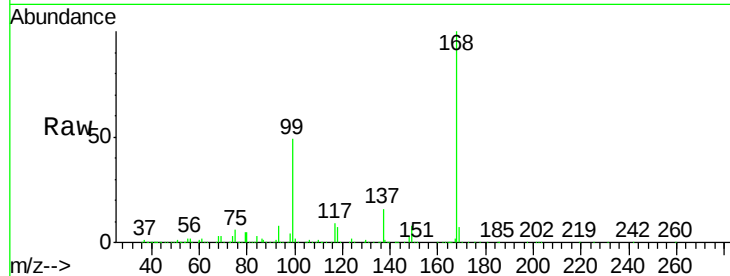
PB116189ZHE#01

Tot Ion:168 Resp: 648420

Ion Ratio Lower Upper

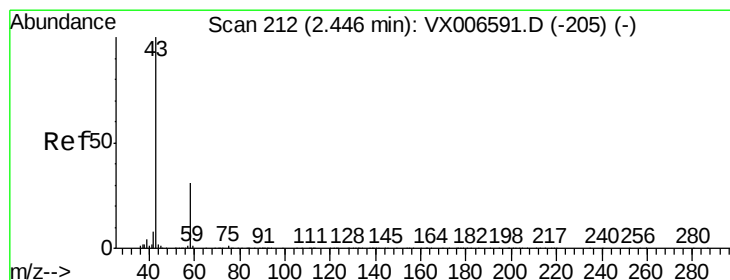
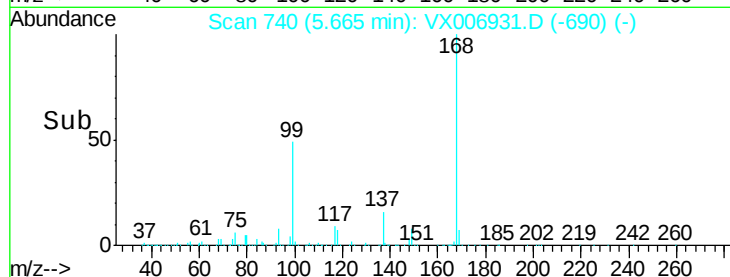
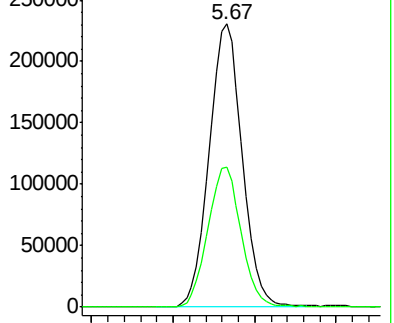
168 100

99 49.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.816 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006931.D

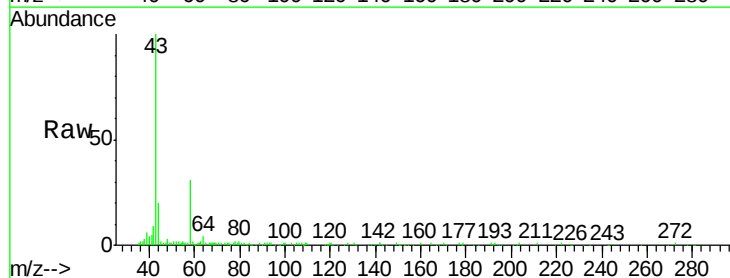
Acq: 07 Jan 2019 13:15

Tgt Ion: 43 Resp: 28305

Ion Ratio Lower Upper

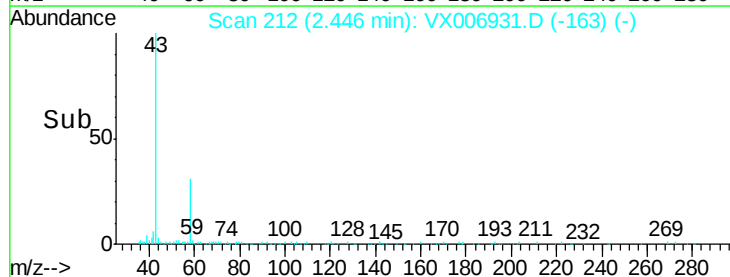
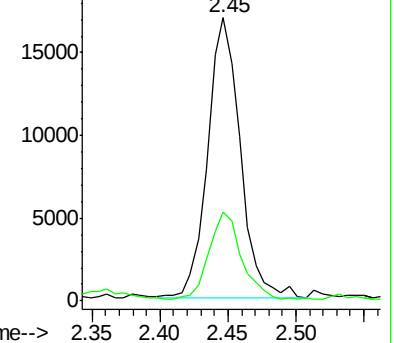
43 100

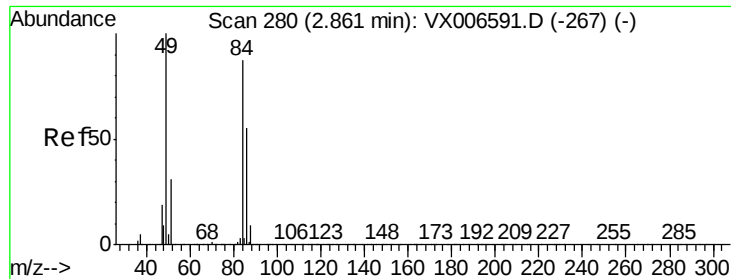
58 30.6 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

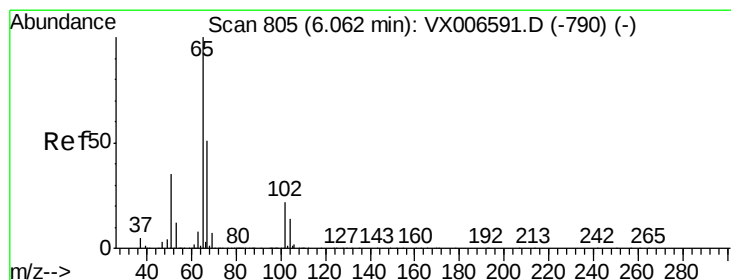
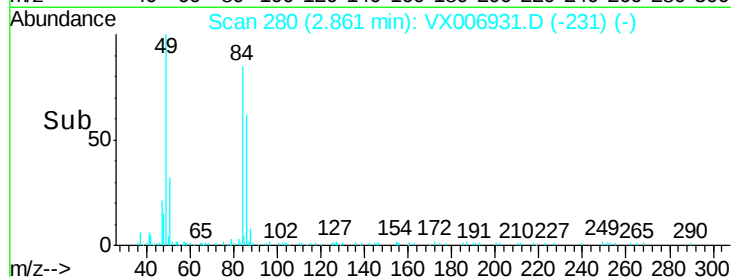
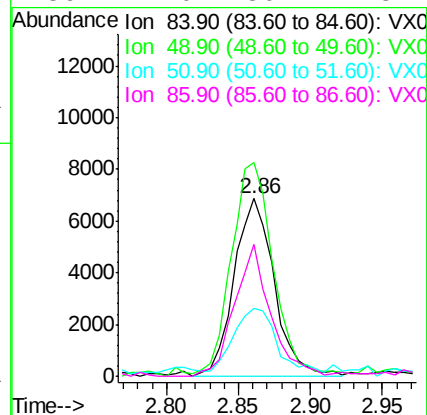
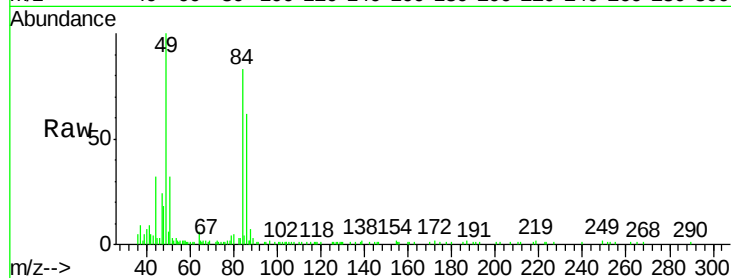




#20  
Methvlene Chloride  
Concen: 2.010 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.00 min  
Lab File: VX006931.D  
Acq: 07 Jan 2019 13:15

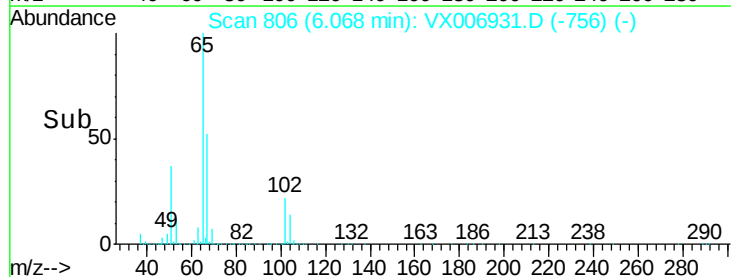
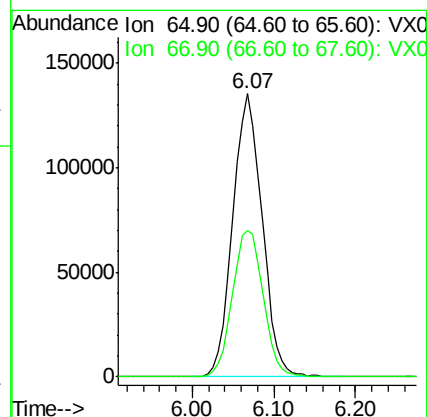
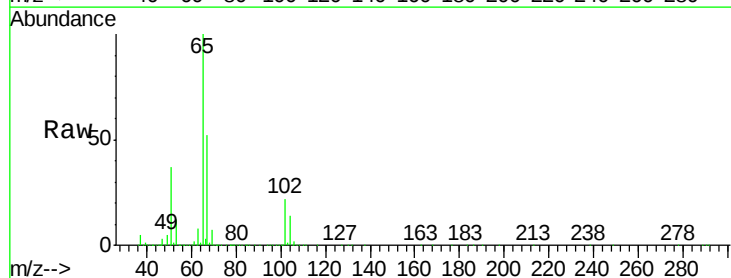
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB116189ZHE#01

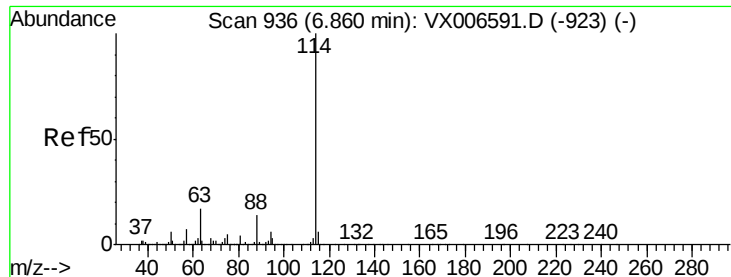
Tot Ion: 84 Resp: 13346  
Ion Ratio Lower Upper  
84 100  
49 118.6 91.8 137.6  
51 34.7 28.5 42.7  
86 74.0 50.2 75.2



#33  
1,2-Dichloroethane-d4  
Concen: 48.232 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. 0.01 min  
Lab File: VX006931.D  
Acq: 07 Jan 2019 13:15

Tgt Ion: 65 Resp: 337066  
Ion Ratio Lower Upper  
65 100  
67 54.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006931.D

Acq: 07 Jan 2019 13:15

Instrument :

MSVOA\_X

ClientSampleId :

PB116189ZHE#01

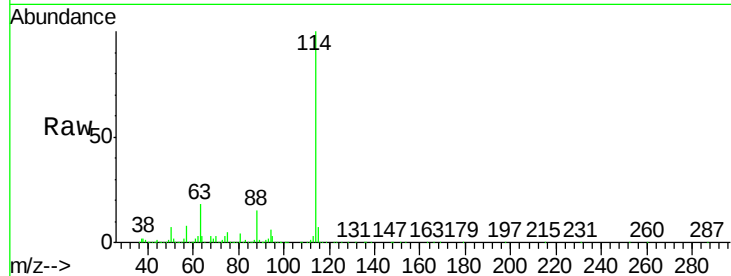
Tot Ion:114 Resp: 996611

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.8

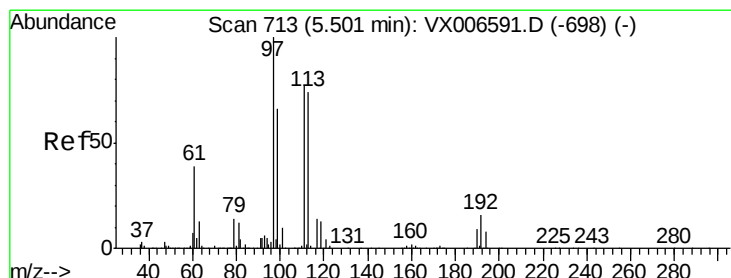
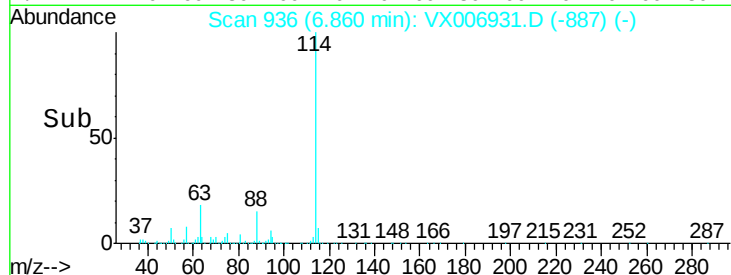
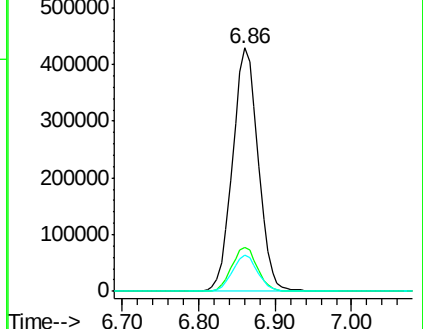
88 14.9 0.0 28.8



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: 48.248 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006931.D

Acq: 07 Jan 2019 13:15

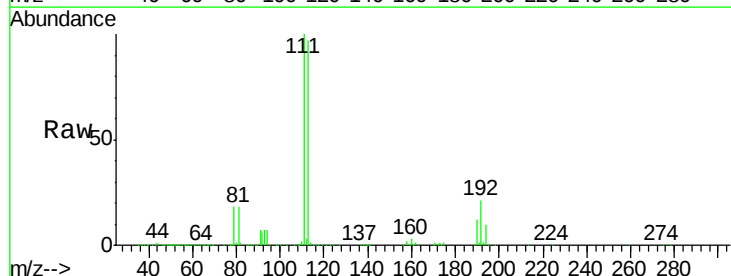
Tgt Ion:113 Resp: 304080

Ion Ratio Lower Upper

113 100

111 102.1 81.6 122.4

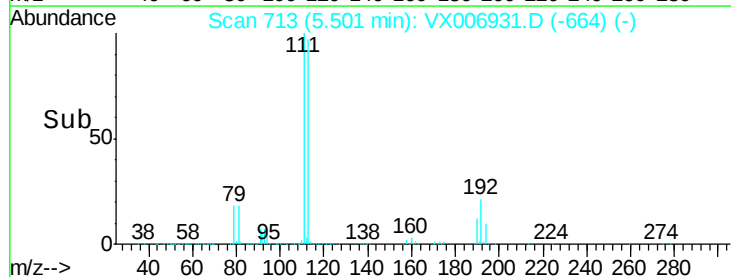
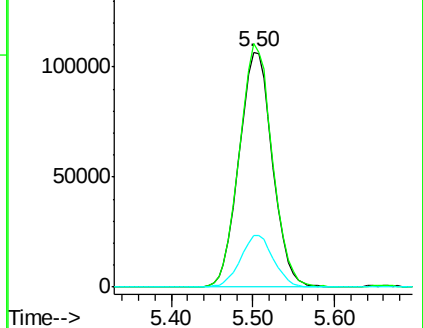
192 21.8 16.7 25.1

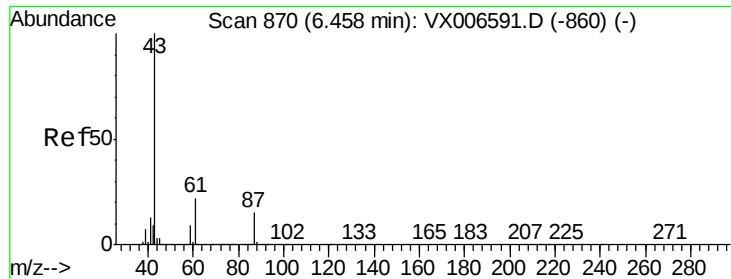


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 2.402 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006931.D

Acq: 07 Jan 2019 13:15

Instrument :

MSVOA\_X

ClientSampleId :

PB116189ZHE#01

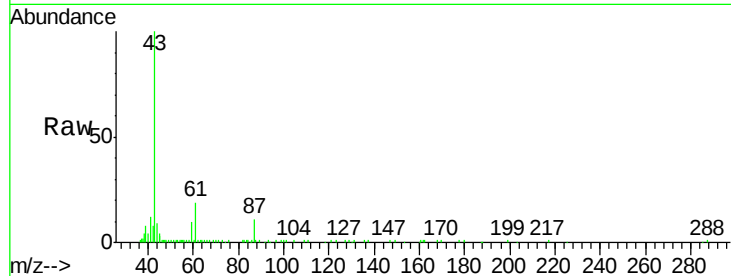
Tot Ion: 43 Resp: 31393

Ion Ratio Lower Upper

43 100

61 19.8 16.8 25.2

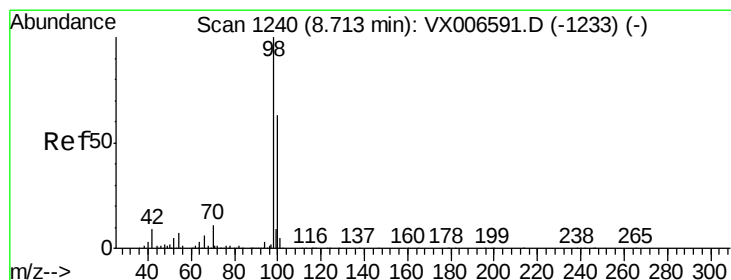
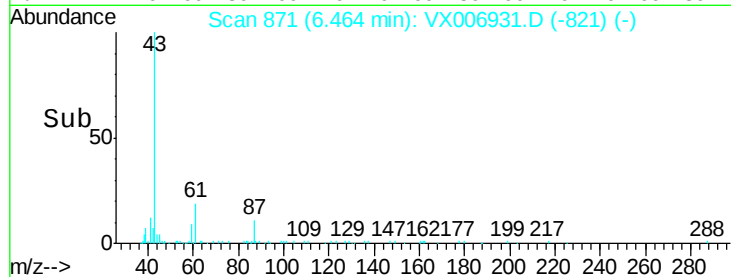
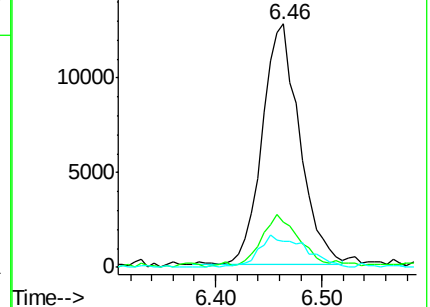
87 16.4 12.4 18.6



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: 50.695 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006931.D

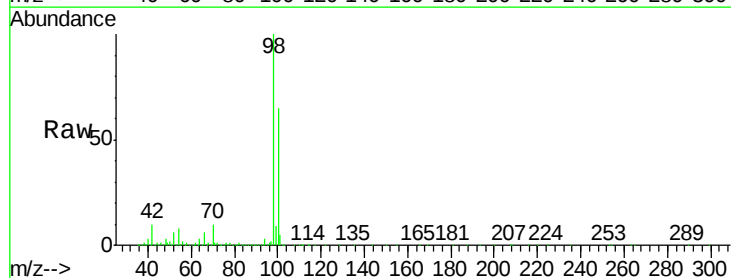
Acq: 07 Jan 2019 13:15

Tgt Ion: 98 Resp: 1204534

Ion Ratio Lower Upper

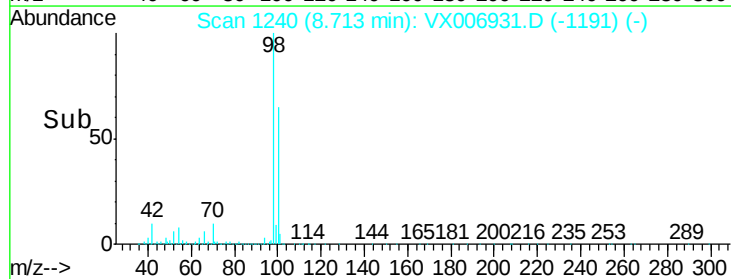
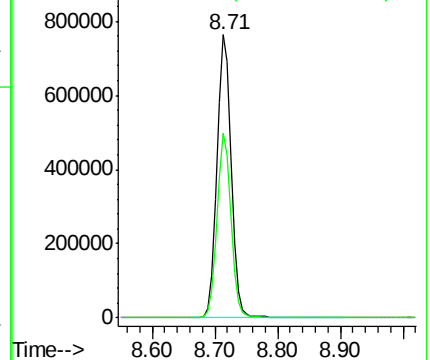
98 100

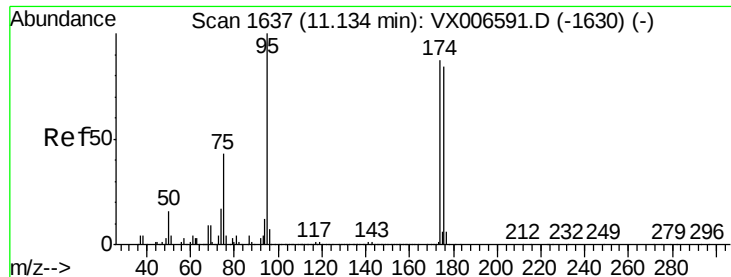
100 63.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 49.283 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006931.D

Acq: 07 Jan 2019 13:15

Instrument :

MSVOA\_X

ClientSampleId :

PB116189ZHE#01

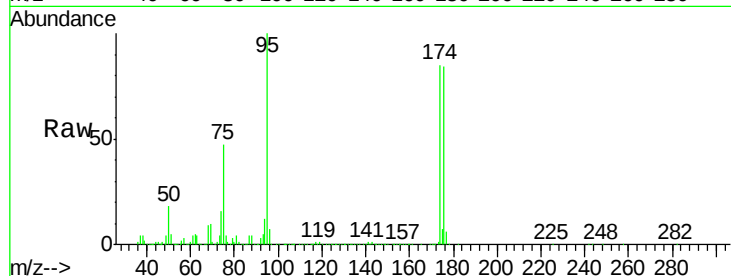
Tot Ion: 95 Resp: 428863

Ion Ratio Lower Upper

95 100

174 92.8 0.0 182.2

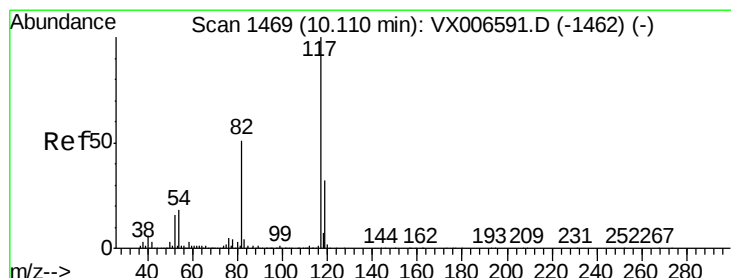
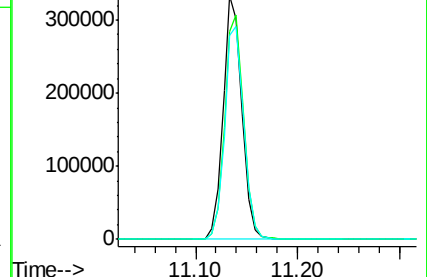
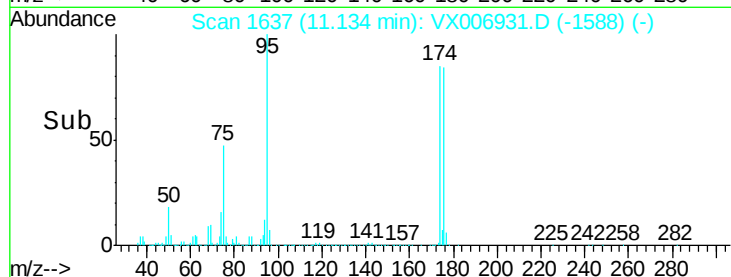
176 89.6 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006931.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006931.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006931.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006931.D

Acq: 07 Jan 2019 13:15

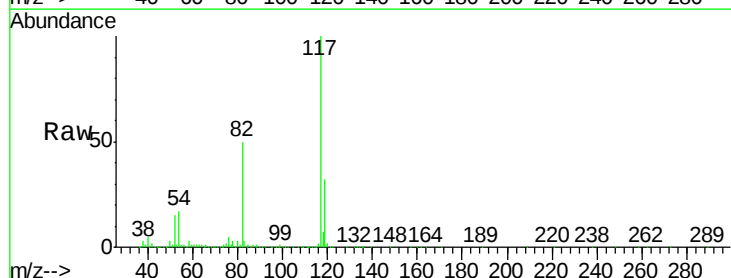
Tgt Ion: 117 Resp: 937977

Ion Ratio Lower Upper

117 100

82 50.2 41.0 61.6

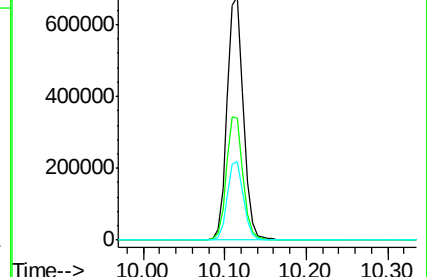
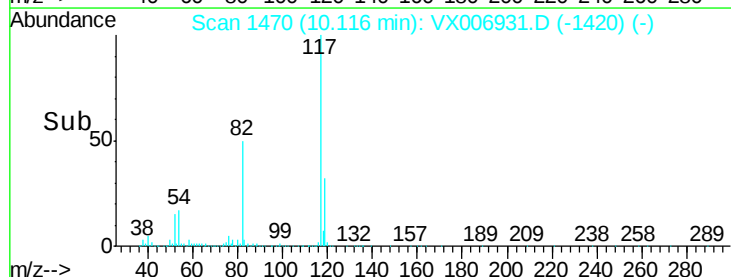
119 32.3 25.4 38.0

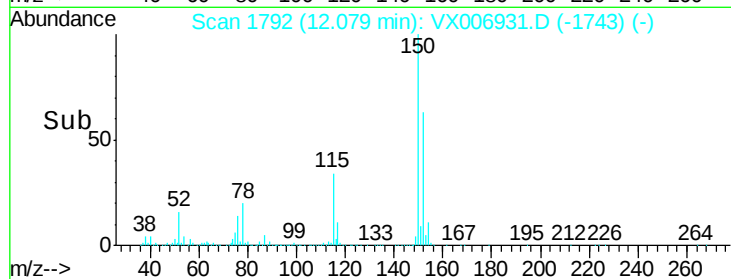
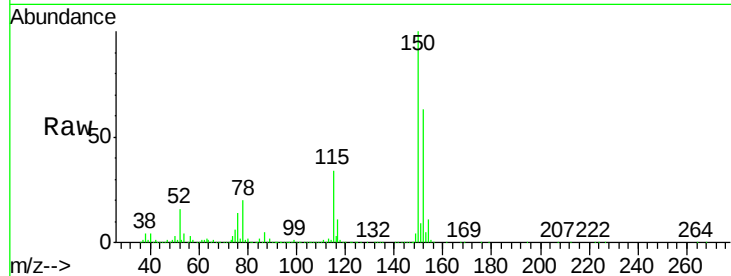
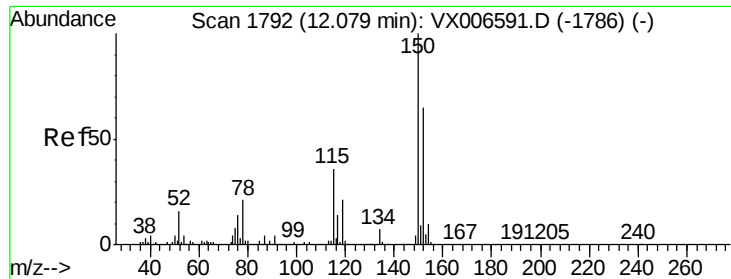


Abundance Ion 116.90 (116.60 to 117.60): VX006931.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006931.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006931.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006931.D

Acq: 07 Jan 2019 13:15

Instrument :

MSVOA\_X

ClientSampleId :

PB116189ZHE#01

Tot Ion:152 Resp: 457234

Ion Ratio Lower Upper

152 100

115 54.4 39.1 117.2

150 158.2 0.0 344.8

