

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090618\  
 Data File : VX004391.D  
 Acq On : 06 Sep 2018 17:59  
 Operator : JC/MD  
 Sample : PB112611ZHE#03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB112611ZHE#03

Quant Time: Sep 07 08:07:01 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 23 05:39:44 2018  
 Response via : Initial Calibration

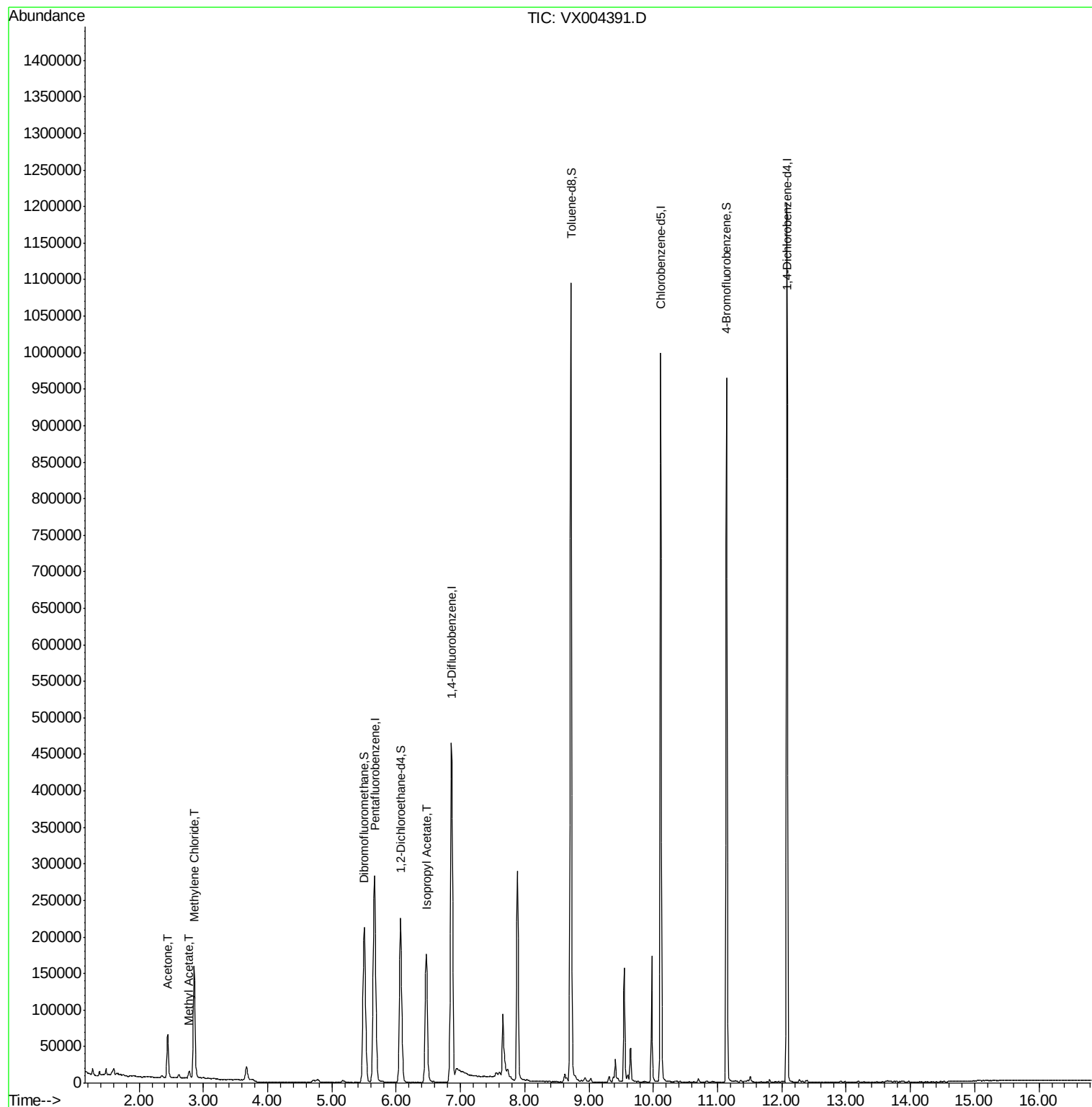
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 296401   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 480461   | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 473783   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 250032   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 206623   | 53.48 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.96% |            |
| 35) Dibromofluoromethane    | 5.50  | 113  | 182847   | 51.16 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.32% |            |
| 50) Toluene-d8              | 8.72  | 98   | 689341   | 51.09 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.18% |            |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 242046   | 48.08 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.16%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 16) Acetone                 | 2.45  | 43   | 64210    | 33.73 | ug/l    | Qvalue 100 |
| 18) Methyl Acetate          | 2.78  | 43   | 12220    | 2.13  | ug/l    | 99         |
| 20) Methylene Chloride      | 2.85  | 84   | 71642    | 19.26 | ug/l    | 97         |
| 43) Isopropyl Acetate       | 6.47  | 43   | 230203   | 28.20 | ug/l    | 100        |

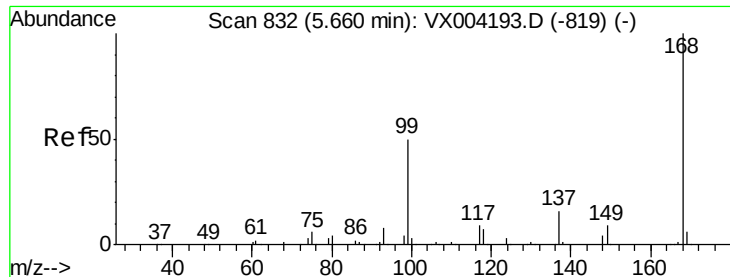
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004391.D

Acq: 06 Sep 2018 17:59

Instrument :

MSVOA\_X

ClientSampleId :

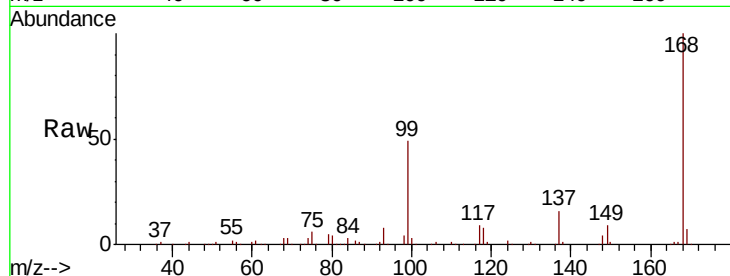
PB112611ZHE#03

Tot Ion:168 Resp: 296401

Ion Ratio Lower Upper

168 100

99 49.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

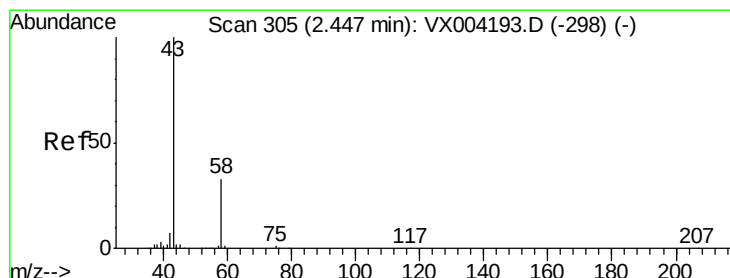
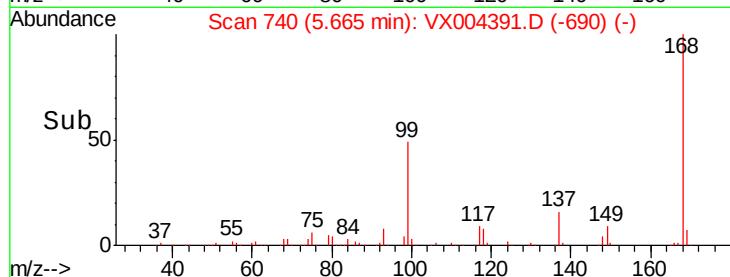
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 33.73 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004391.D

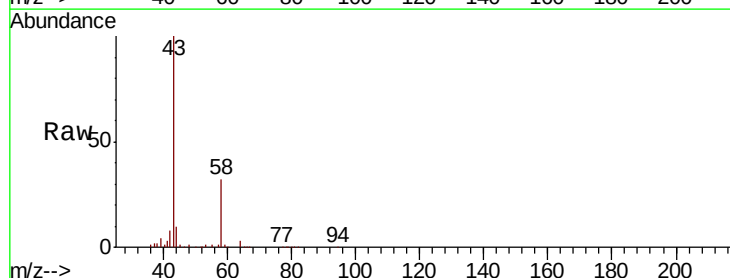
Acq: 06 Sep 2018 17:59

Tgt Ion: 43 Resp: 64210

Ion Ratio Lower Upper

43 100

58 32.6 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

40000

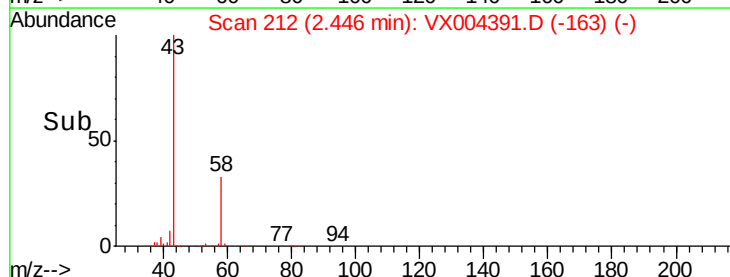
30000

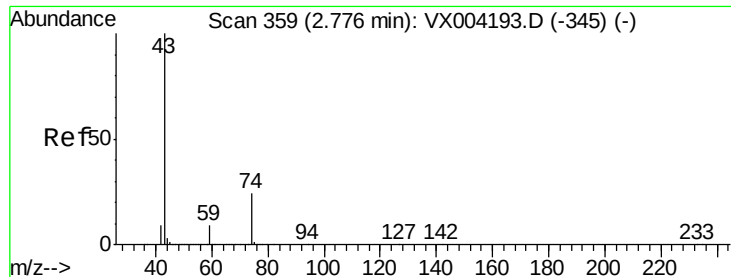
20000

10000

0

Time--> 2.40 2.50

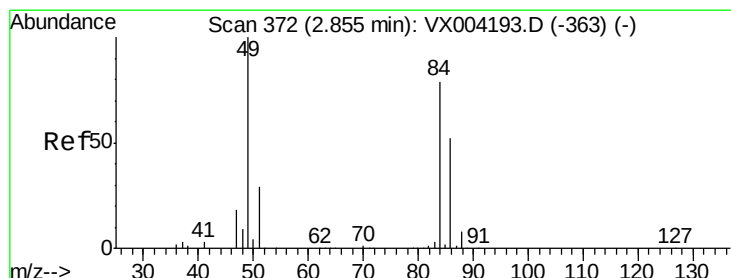
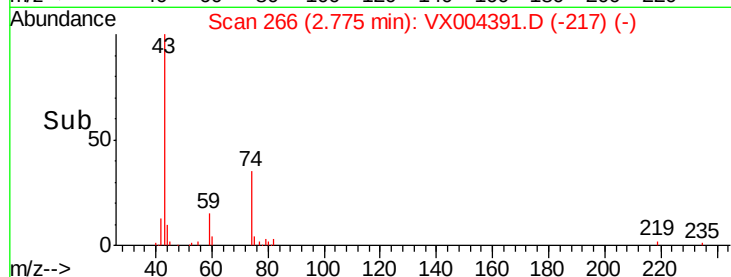
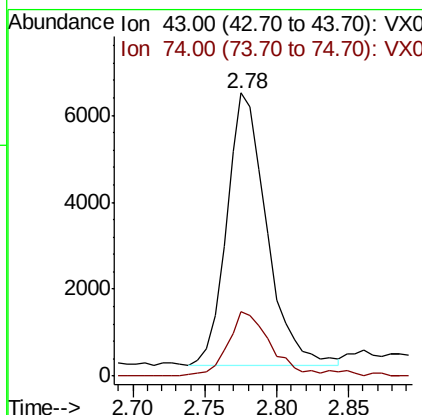
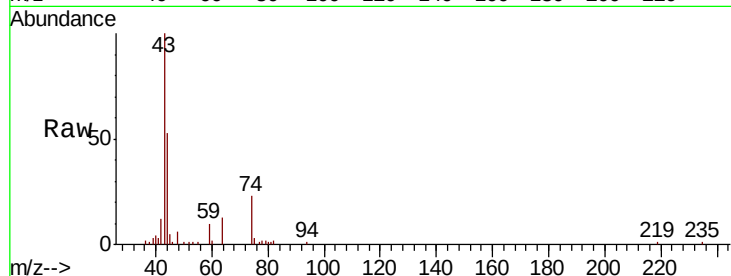




#18  
Methvl Acetate  
Concen: 2.13 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX004391.D  
Acq: 06 Sep 2018 17:59

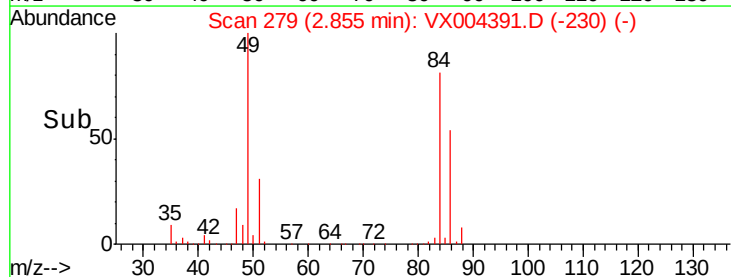
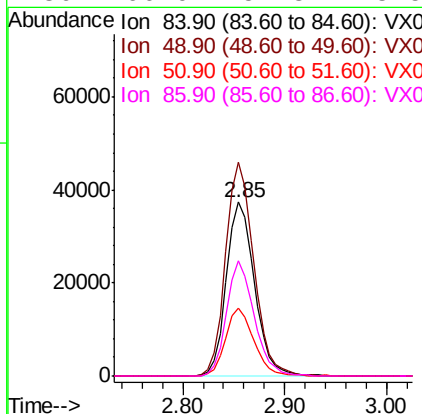
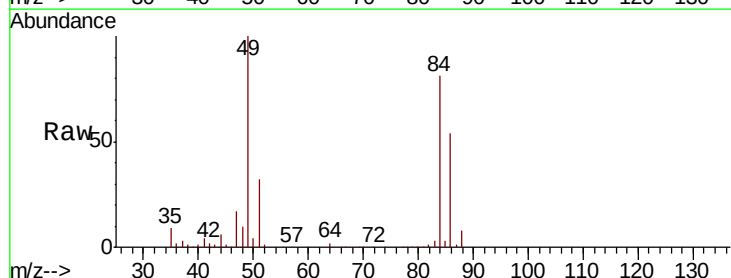
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB112611ZHE#03

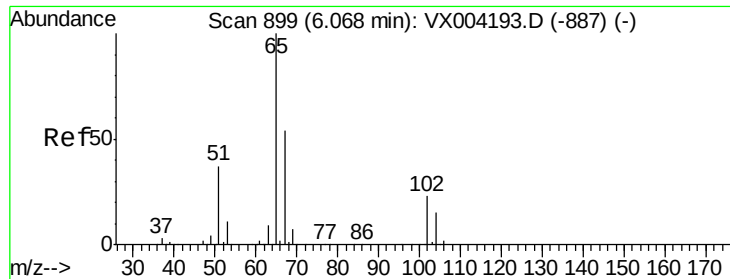
Tot Ion: 43 Resp: 12220  
Ion Ratio Lower Upper  
43 100  
74 24.9 19.4 29.2



#20  
Methylene Chloride  
Concen: 19.26 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX004391.D  
Acq: 06 Sep 2018 17:59

Tgt Ion: 84 Resp: 71642  
Ion Ratio Lower Upper  
84 100  
49 122.7 101.2 151.8  
51 38.6 29.5 44.3  
86 66.0 52.3 78.5

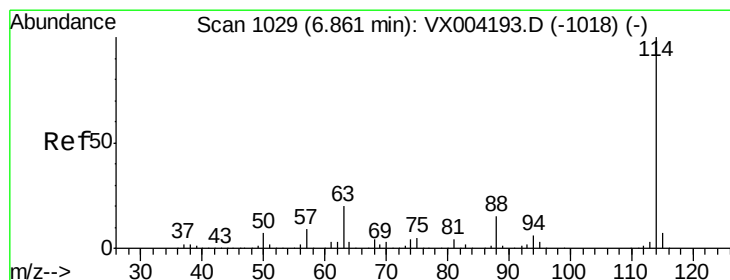
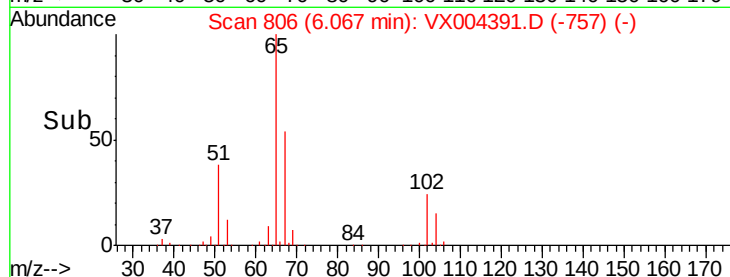
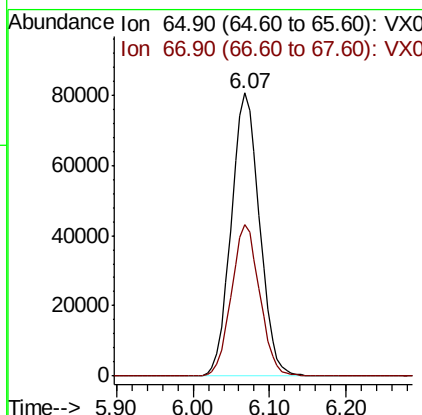
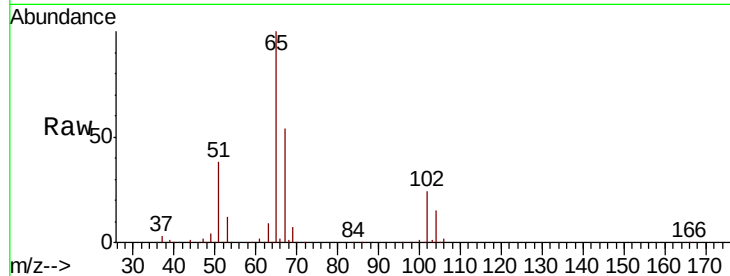




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.48 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.00 min  
 Lab File: VX004391.D  
 Acq: 06 Sep 2018 17:59

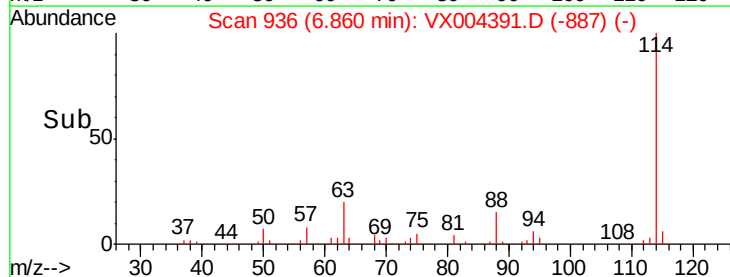
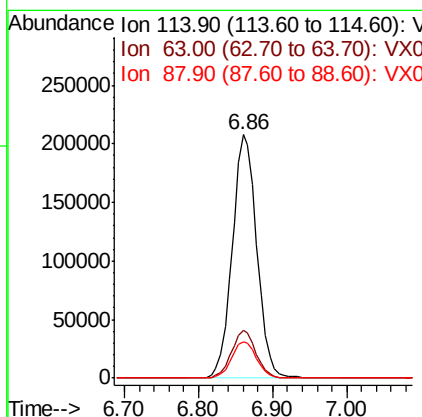
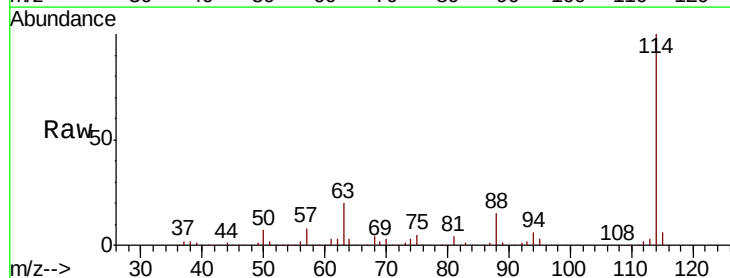
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB112611ZHE#03

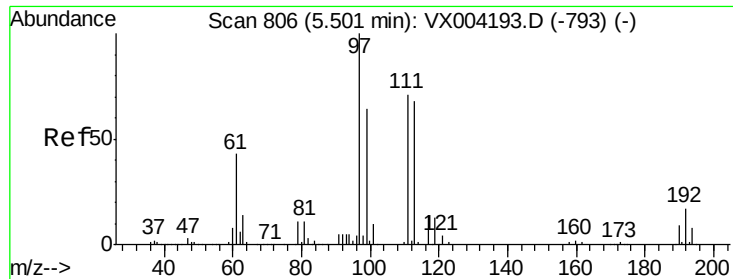
Tot Ion: 65 Resp: 206623  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX004391.D  
 Acq: 06 Sep 2018 17:59

Tgt Ion: 114 Resp: 480461  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 39.0  
 88 15.0 0.0 30.4

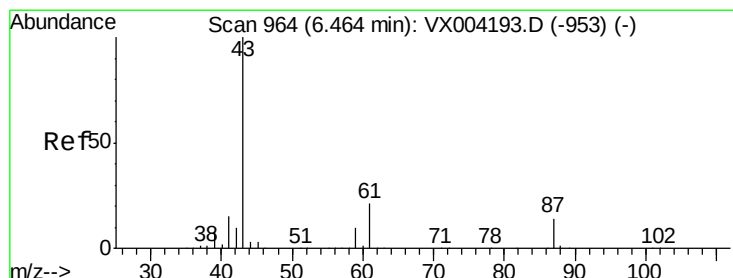
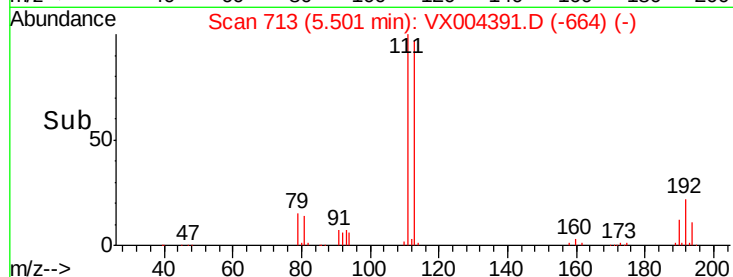
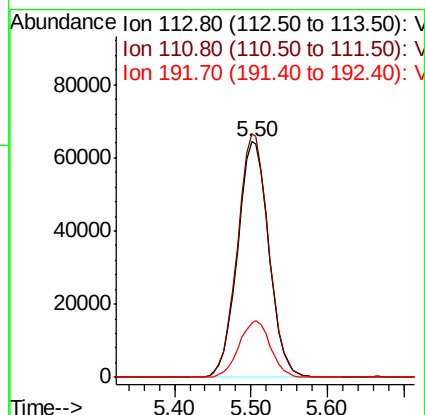
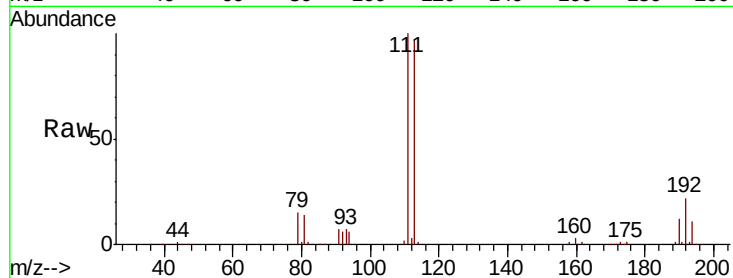




#35  
 Dibromofluoromethane  
 Concen: 51.16 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX004391.D  
 Acq: 06 Sep 2018 17:59

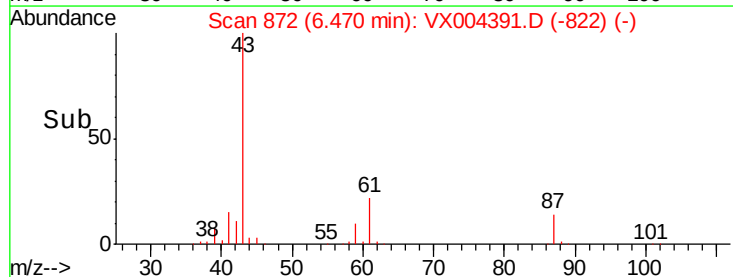
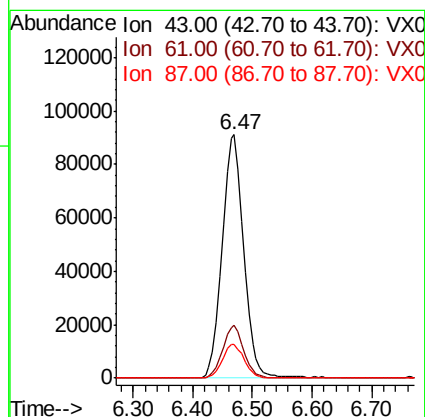
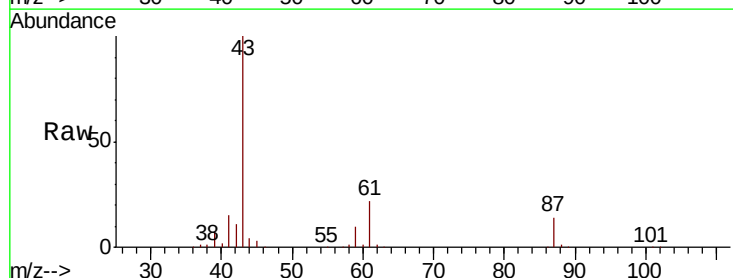
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB112611ZHE#03

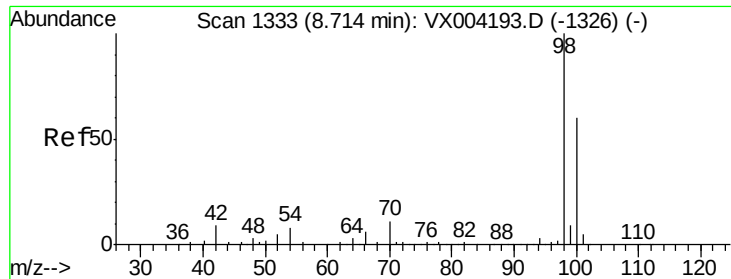
Tot Ion:113 Resp: 182847  
 Ion Ratio Lower Upper  
 113 100  
 111 102.7 82.4 123.6  
 192 24.1 19.4 29.2



#43  
 Isopropyl Acetate  
 Concen: 28.20 ug/l  
 RT: 6.47 min Scan# 872  
 Delta R.T. 0.01 min  
 Lab File: VX004391.D  
 Acq: 06 Sep 2018 17:59

Tgt Ion: 43 Resp: 230203  
 Ion Ratio Lower Upper  
 43 100  
 61 21.1 17.0 25.4  
 87 14.1 11.4 17.2

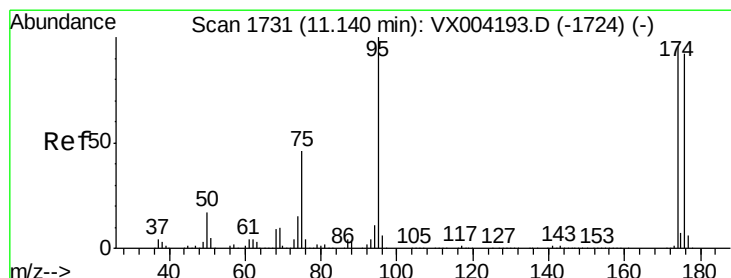
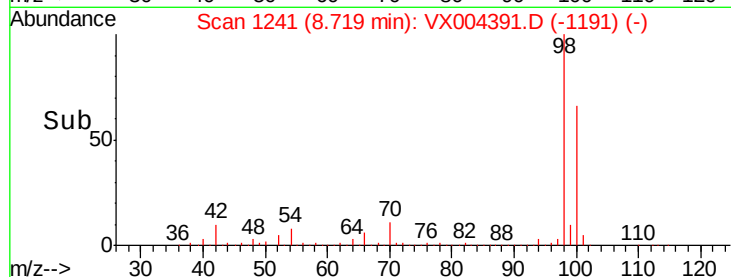
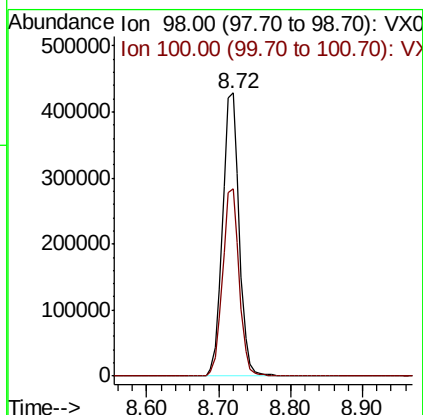
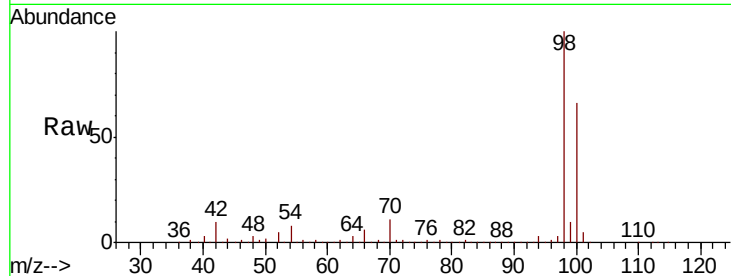




#50  
Toluene-d8  
Concen: 51.09 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. 0.01 min  
Lab File: VX004391.D  
Acq: 06 Sep 2018 17:59

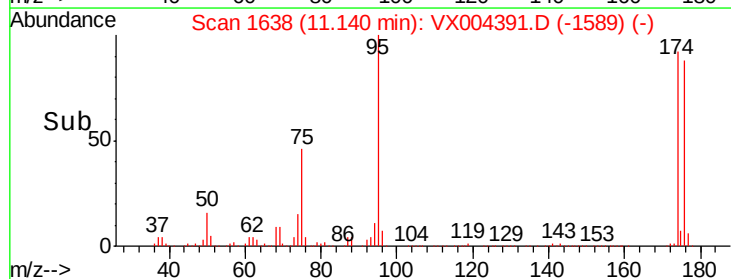
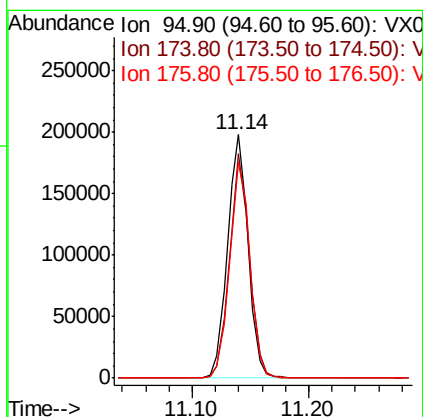
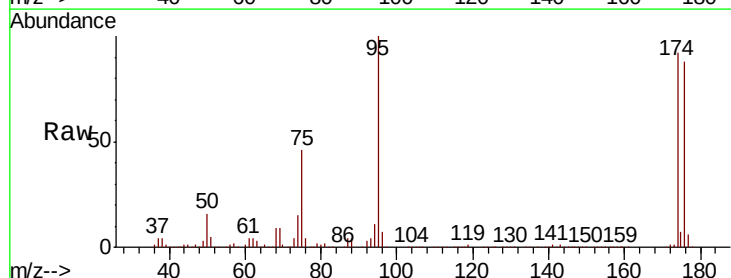
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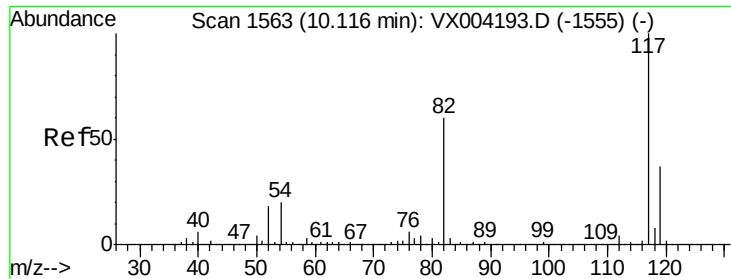
Tot Ion: 98 Resp: 689341  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 48.08 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX004391.D  
Acq: 06 Sep 2018 17:59

Tgt Ion: 95 Resp: 242046  
Ion Ratio Lower Upper  
95 100  
174 89.8 0.0 185.2  
176 87.9 0.0 178.6

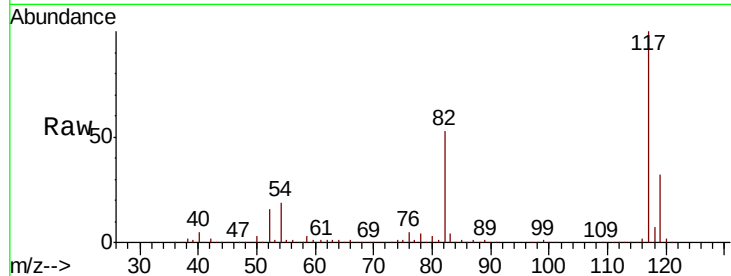




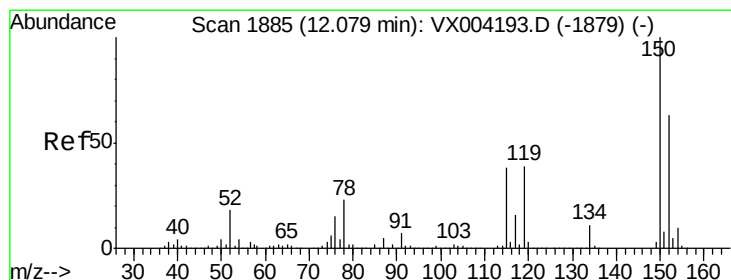
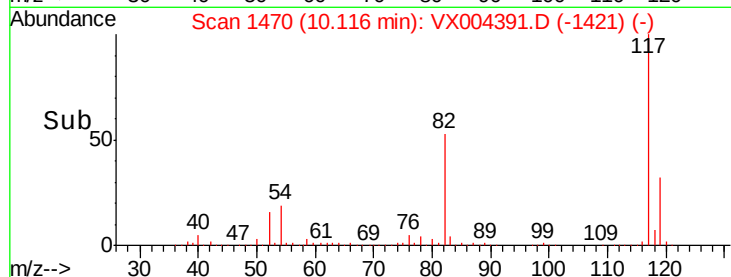
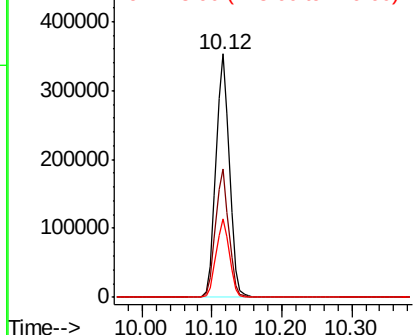
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004391.D  
Acq: 06 Sep 2018 17:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB112611ZHE#03

Tot Ion:117 Resp: 473783  
Ion Ratio Lower Upper  
117 100  
82 52.8 47.8 71.6  
119 32.4 29.3 43.9

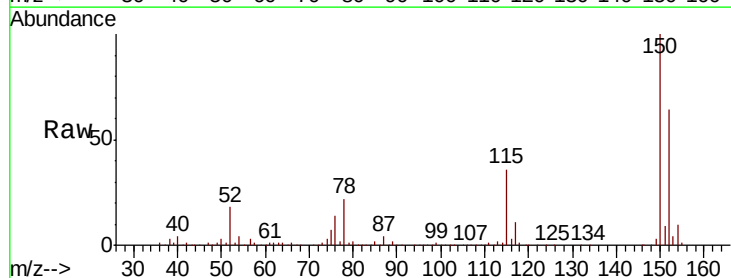


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX004391.D  
Acq: 06 Sep 2018 17:59

Tgt Ion:152 Resp: 250032  
Ion Ratio Lower Upper  
152 100  
115 55.1 39.0 117.0  
150 157.2 0.0 351.0



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

