

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091018\  
 Data File : VX004445.D  
 Acq On : 10 Sep 2018 13:41  
 Operator : JC/MD  
 Sample : PB112704ZHE#02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB112704ZHE#02

Quant Time: Sep 11 01:42:35 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  | 310877   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 515101   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 471386   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 274899   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 220414   | 54.40  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 108.80% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 195360   | 50.98  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 101.96% |          |
| 50) Toluene-d8              | 8.71  | 98   | 736609   | 50.93  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 101.86% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 259171   | 48.02  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 96.04%  |          |

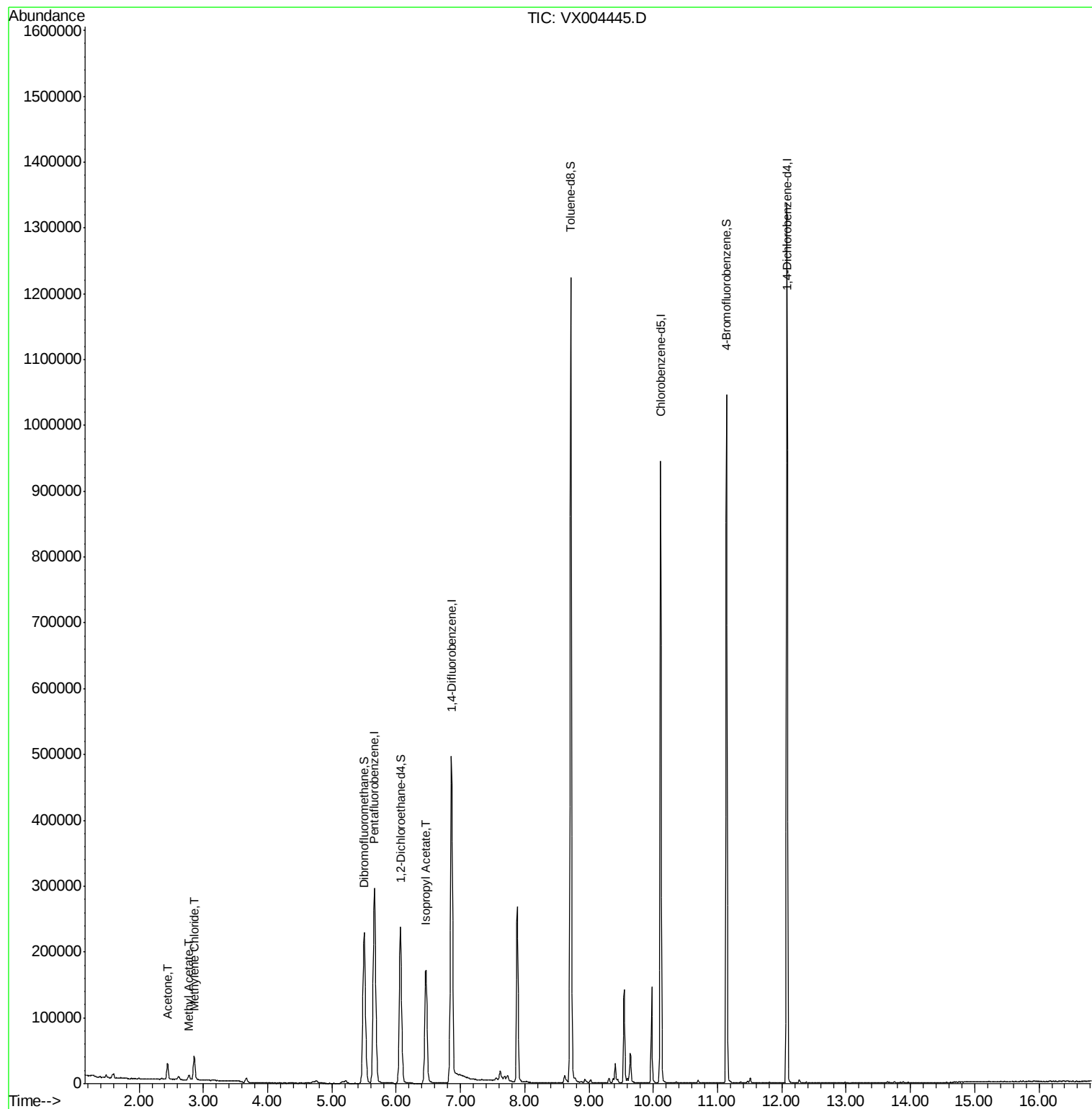
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 2.44 | 43   | 26260    | 8.06  | ug/l  | 100    |
| 18) Methyl Acetate     | 2.78 | 43   | 8930     | 1.49  | ug/l  | 96     |
| 20) Methylene Chloride | 2.85 | 84   | 17431    | 4.47  | ug/l  | 99     |
| 43) Isopropyl Acetate  | 6.46 | 43   | 228435   | 26.10 | ug/l  | 100    |

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

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Sample : PB112704ZHE#02  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB112704ZHE#02

Quant Time: Sep 11 01:42:35 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 23 05:39:44 2018  
Response via : Initial Calibration

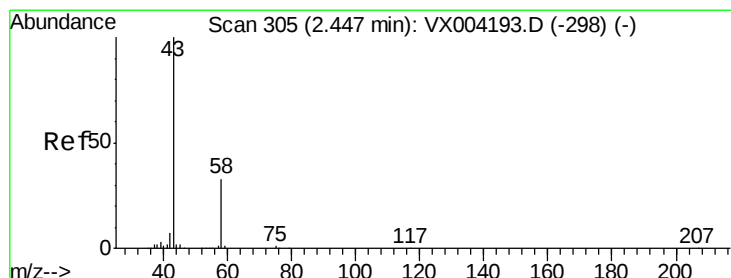
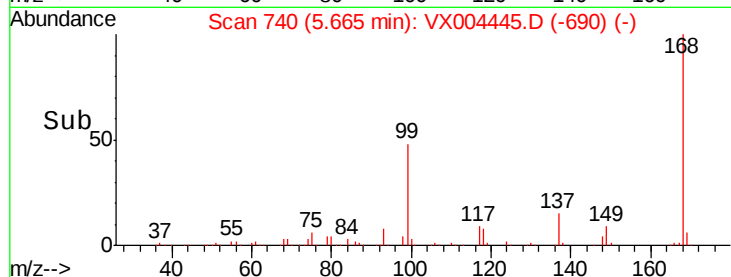
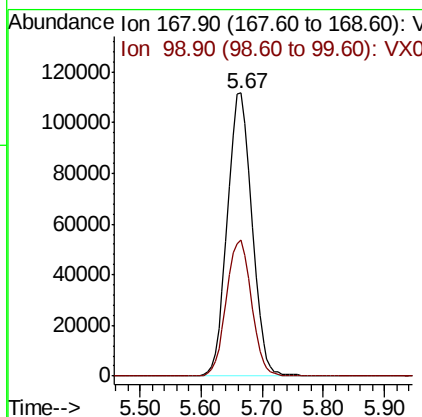
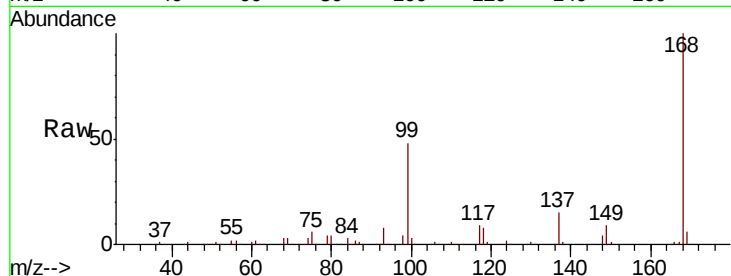




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.67 min Scan# 740  
Delta R.T. 0.01 min  
Lab File: VX004445.D  
Acq: 10 Sep 2018 13:41

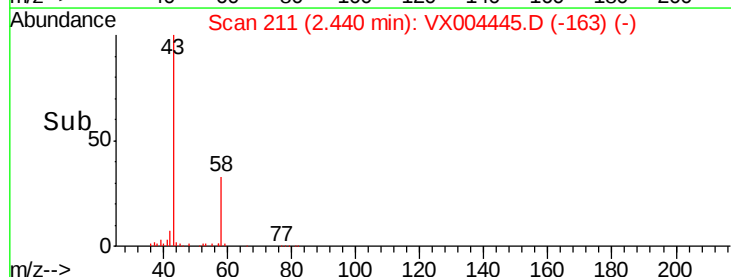
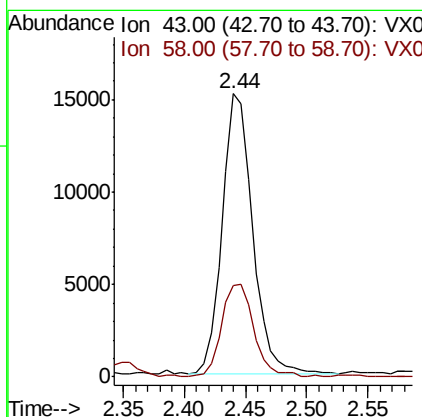
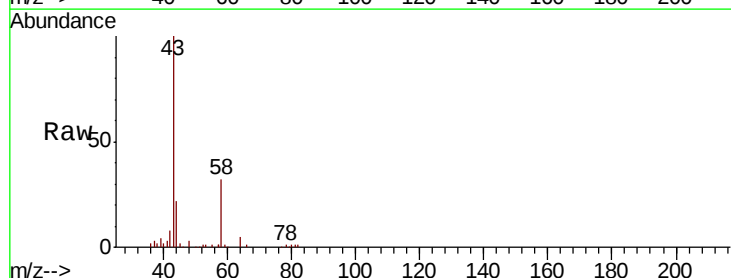
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB112704ZHE#02

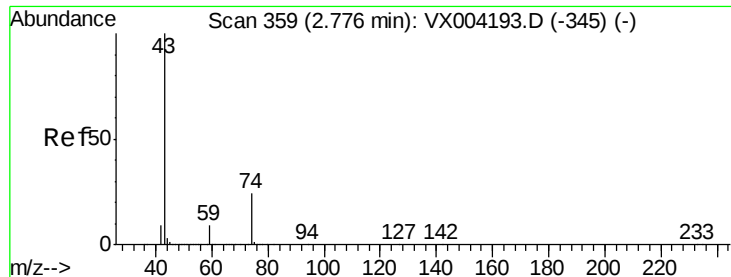
Tot Ion:168 Resp: 310877  
Ion Ratio Lower Upper  
168 100  
99 48.3 39.9 59.9



#16  
Acetone  
Concen: 8.06 ug/l  
RT: 2.44 min Scan# 211  
Delta R.T. -0.01 min  
Lab File: VX004445.D  
Acq: 10 Sep 2018 13:41

Tgt Ion: 43 Resp: 26260  
Ion Ratio Lower Upper  
43 100  
58 32.6 26.2 39.4

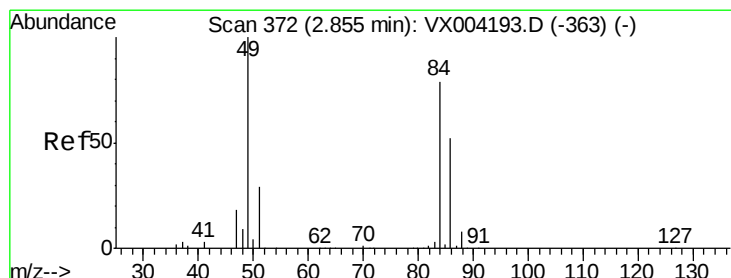
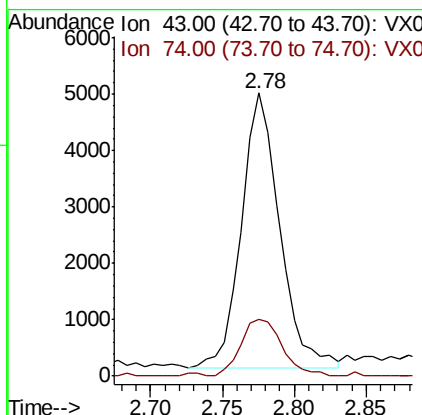
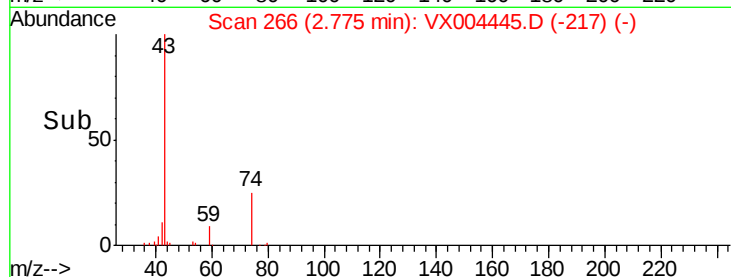
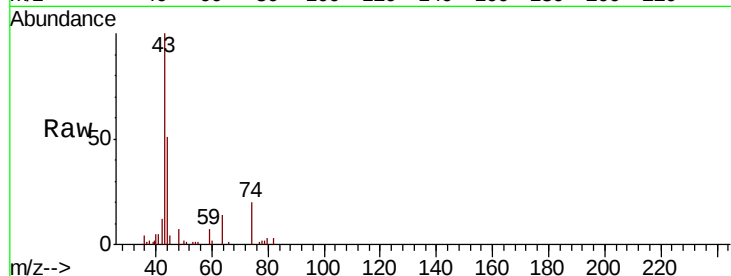




#18  
Methvl Acetate  
Concen: 1.49 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. -0.00 min  
Lab File: VX004445.D  
Acq: 10 Sep 2018 13:41

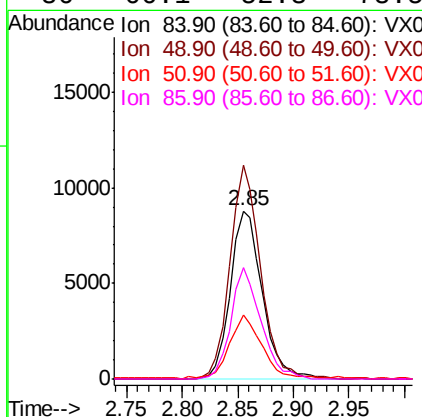
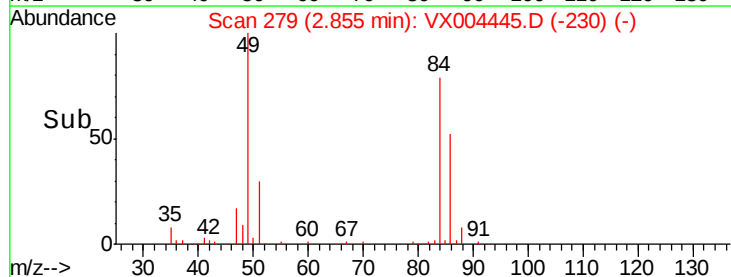
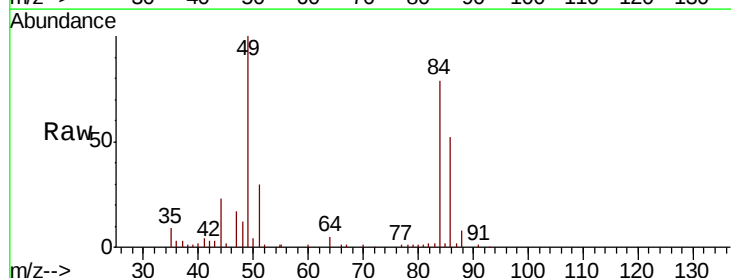
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB112704ZHE#02

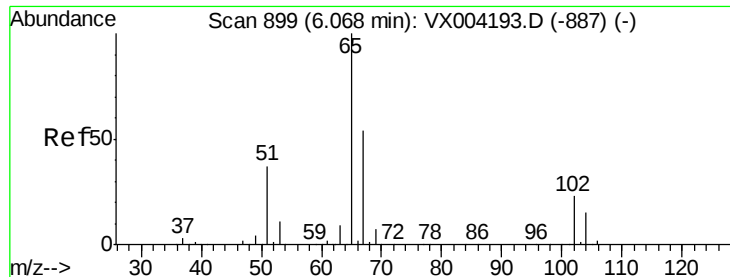
Tot Ion: 43 Resp: 8930  
Ion Ratio Lower Upper  
43 100  
74 22.5 19.4 29.2



#20  
Methylene Chloride  
Concen: 4.47 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. -0.00 min  
Lab File: VX004445.D  
Acq: 10 Sep 2018 13:41

Tgt Ion: 84 Resp: 17431  
Ion Ratio Lower Upper  
84 100  
49 127.0 101.2 151.8  
51 36.8 29.5 44.3  
86 66.1 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 54.40 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004445.D

Acq: 10 Sep 2018 13:41

Instrument :

MSVOA\_X

ClientSampleId :

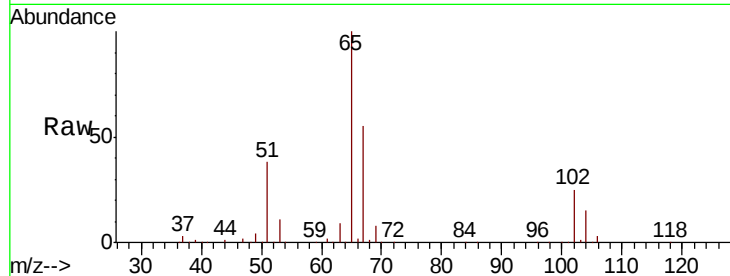
PB112704ZHE#02

Tot Ion: 65 Resp: 220414

Ion Ratio Lower Upper

65 100

67 54.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

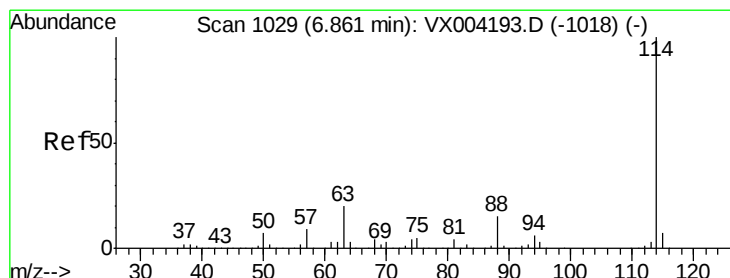
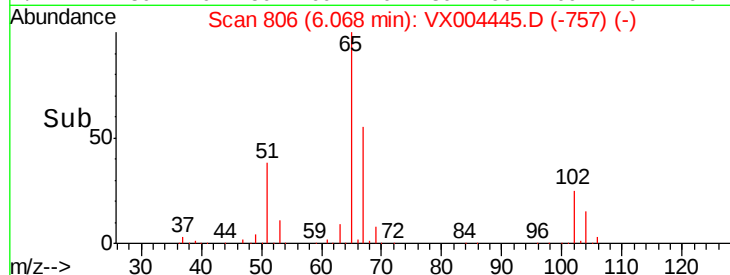
40000

20000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004445.D

Acq: 10 Sep 2018 13:41

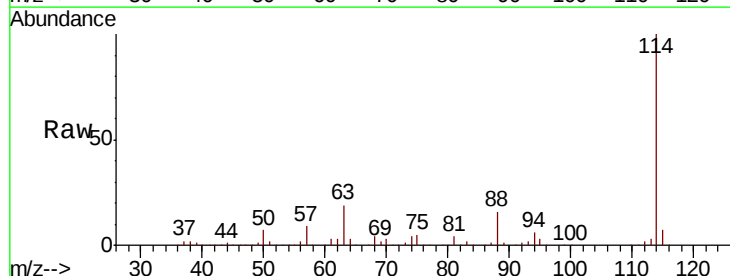
Tgt Ion: 114 Resp: 515101

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

88 15.5 0.0 30.4



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

6.86

300000

250000

200000

150000

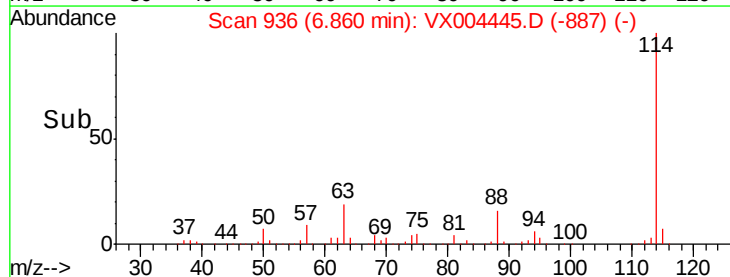
100000

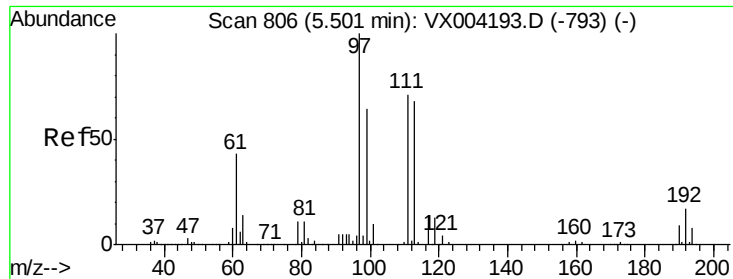
50000

0

6.70 6.80 6.90 7.00

Time-->

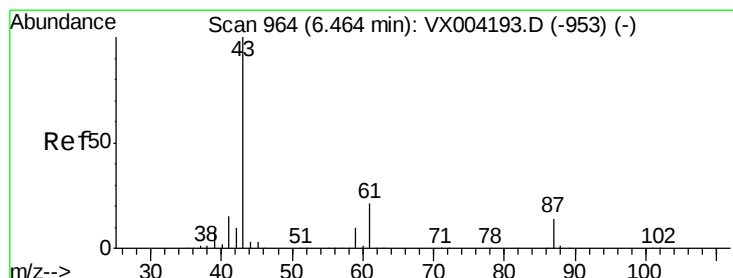
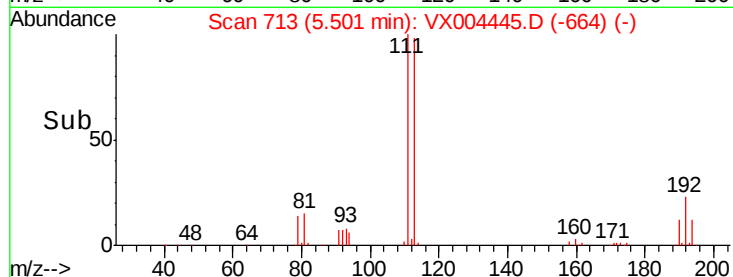
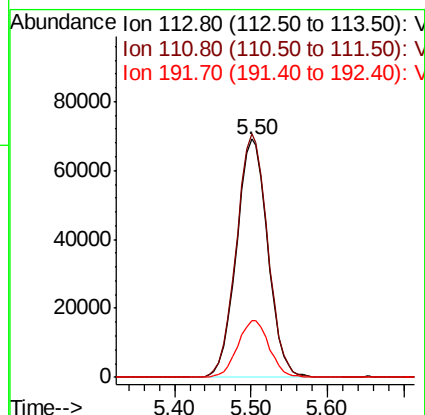
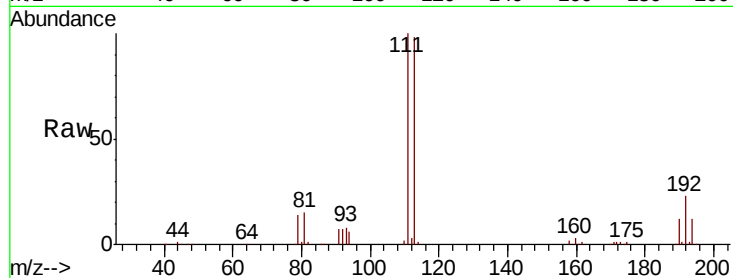




#35  
 Dibromofluoromethane  
 Concen: 50.98 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX004445.D  
 Acq: 10 Sep 2018 13:41

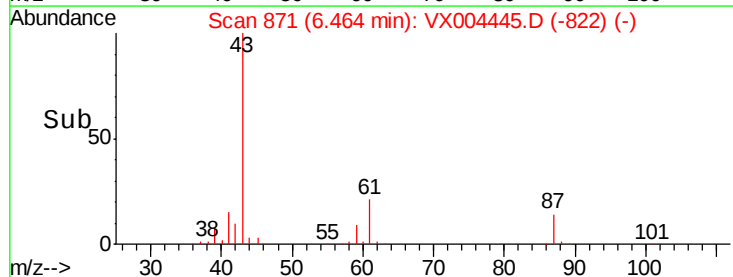
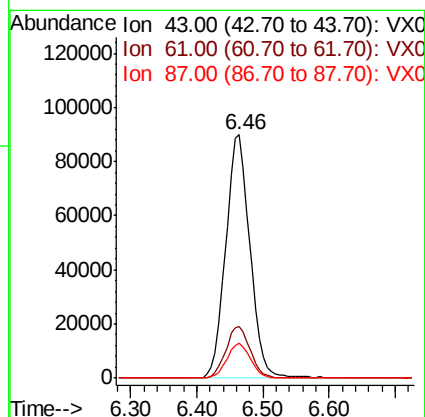
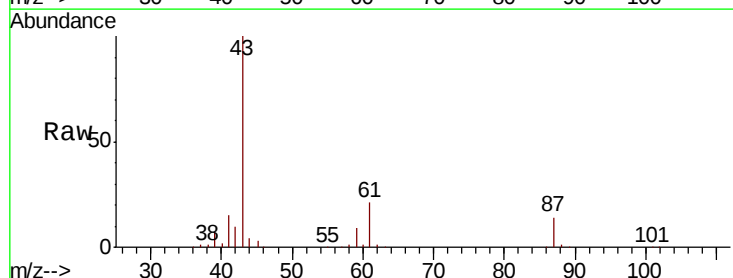
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB112704ZHE#02

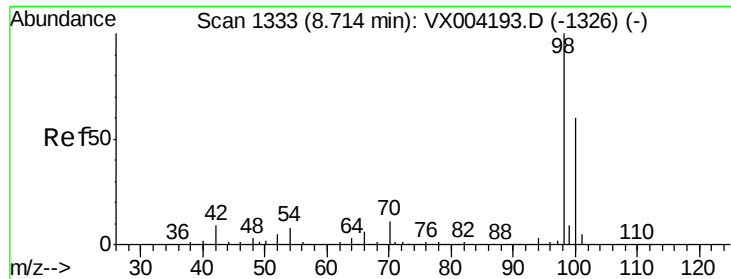
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 82.4  | 123.6 |
| 192     | 23.9  | 19.4  | 29.2  |



#43  
 Isopropyl Acetate  
 Concen: 26.10 ug/l  
 RT: 6.46 min Scan# 871  
 Delta R.T. -0.00 min  
 Lab File: VX004445.D  
 Acq: 10 Sep 2018 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.3  | 17.0  | 25.4  |
| 87      | 14.0  | 11.4  | 17.2  |

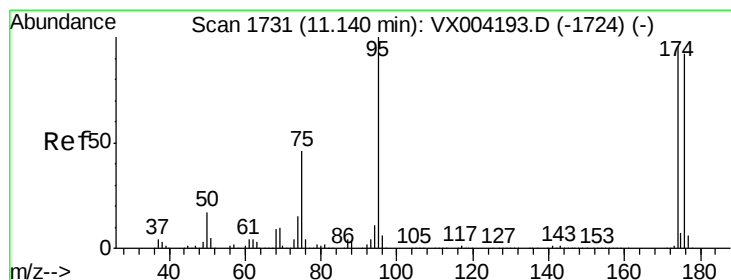
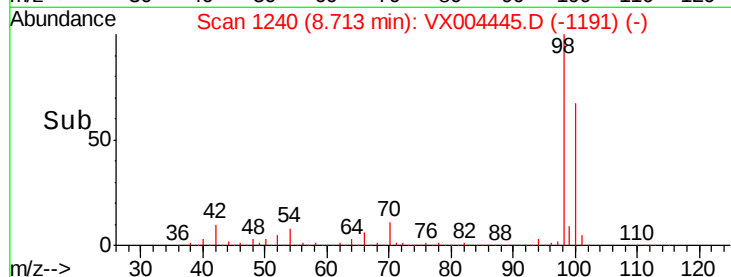
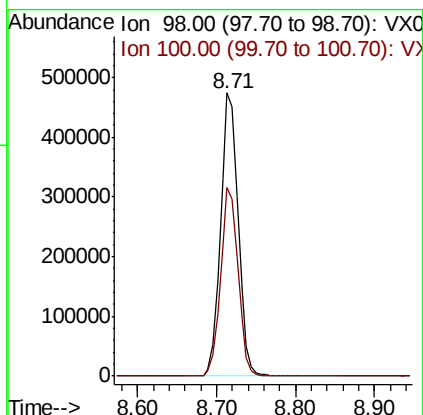
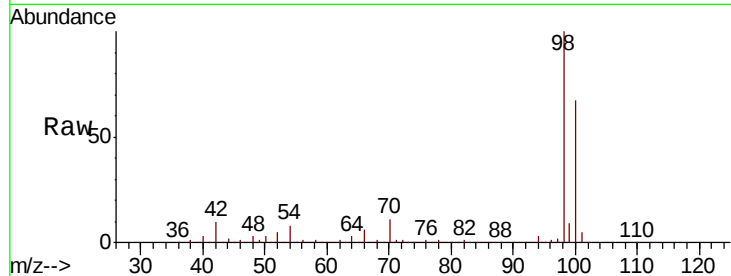




#50  
Toluene-d8  
Concen: 50.93 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX004445.D  
Acq: 10 Sep 2018 13:41

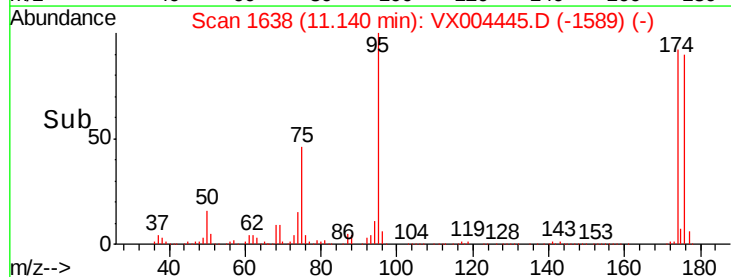
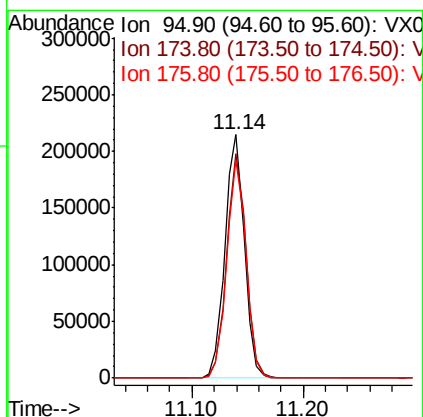
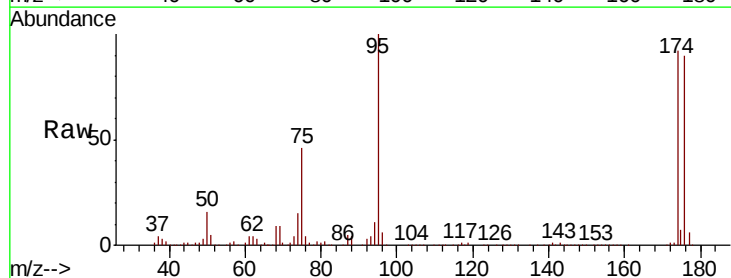
Instrument :  
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ClientSampleId :  
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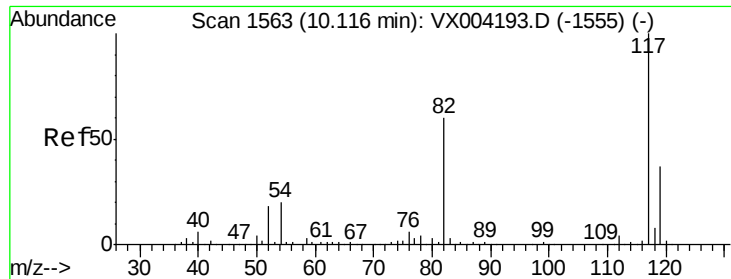
Tot Ion: 98 Resp: 736609  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.9 79.3



#62  
4-Bromofluorobenzene  
Concen: 48.02 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX004445.D  
Acq: 10 Sep 2018 13:41

Tgt Ion: 95 Resp: 259171  
Ion Ratio Lower Upper  
95 100  
174 92.3 0.0 185.2  
176 89.1 0.0 178.6

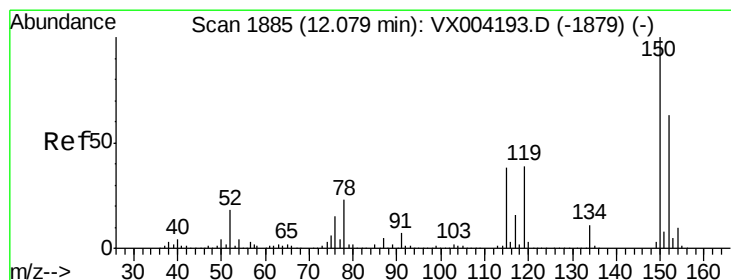
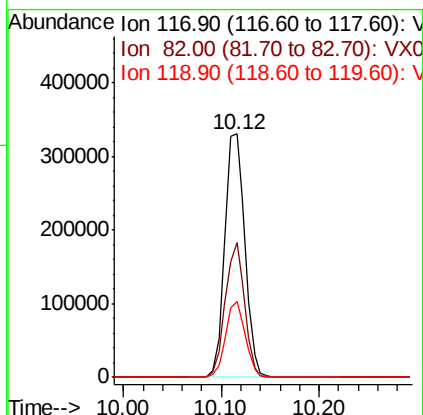
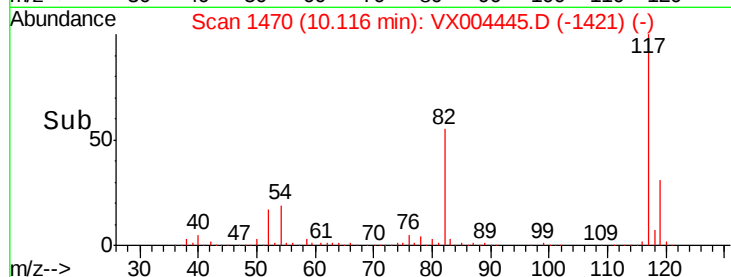
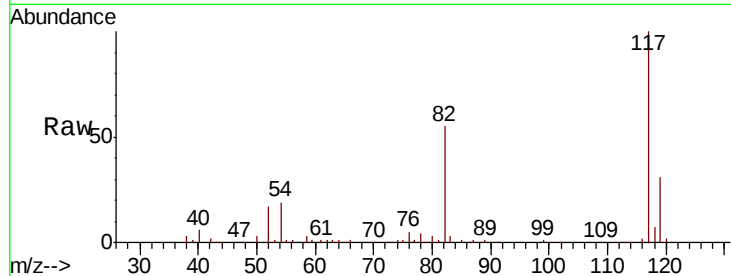




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX004445.D  
Acq: 10 Sep 2018 13:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB112704ZHE#02

Tot Ion:117 Resp: 471386  
Ion Ratio Lower Upper  
117 100  
82 55.4 47.8 71.6  
119 31.2 29.3 43.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX004445.D  
Acq: 10 Sep 2018 13:41

Tgt Ion:152 Resp: 274899  
Ion Ratio Lower Upper  
152 100  
115 54.7 39.0 117.0  
150 156.3 0.0 351.0

