

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\  
 Data File : VX011578.D  
 Acq On : 16 Aug 2019 14:03  
 Operator : JC/SP  
 Sample : K4279-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-ER-2019-1

Quant Time: Aug 19 01:52:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 04:15:26 2019  
 Response via : Initial Calibration

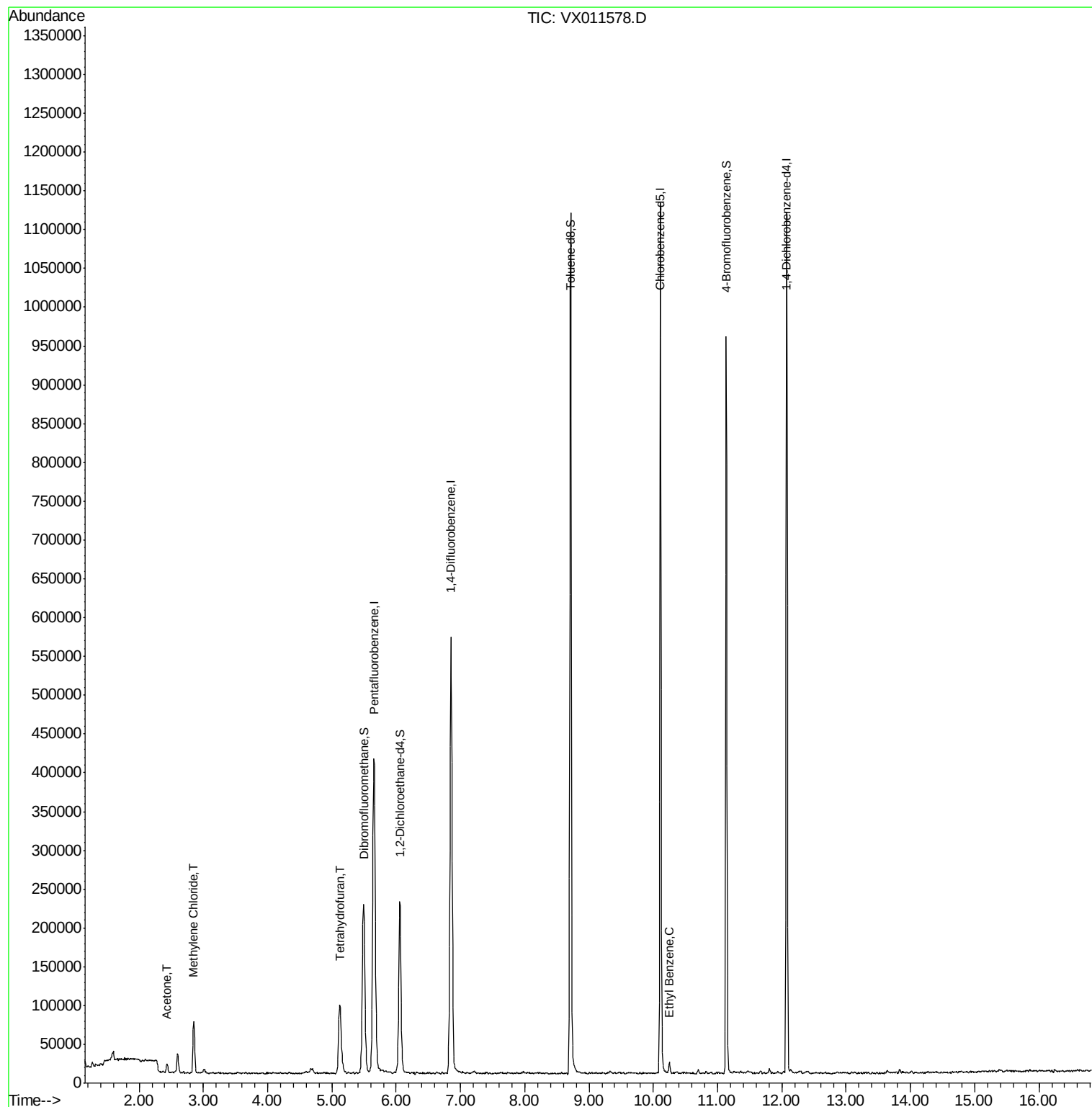
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 449855   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 614818   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 548461   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 255605   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 214807   | 51.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.98% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 186293   | 46.33  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.66%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 695745   | 55.53  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.06% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 237183   | 44.85  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.70%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.43  | 43   | 14131    | 6.737  | ug/l    | 93       |
| 20) Methylene Chloride      | 2.85  | 84   | 34355    | 7.800  | ug/l    | 97       |
| 29) Tetrahydrofuran         | 5.12  | 42   | 84465    | 39.100 | ug/l    | 98       |
| 67) Ethyl Benzene           | 10.25 | 91   | 8143     | 0.417  | ug/l    | 99       |

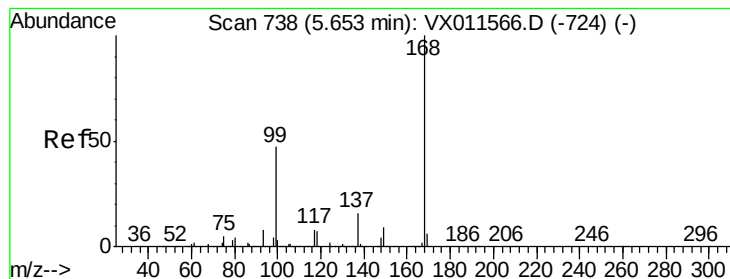
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Z3-ER-2019-1

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Quant Title : SW846 8260  
QLast Update : Fri Aug 16 04:15:26 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011578.D

Acq: 16 Aug 2019 14:03

Instrument :

MSVOA\_X

ClientSampleId :

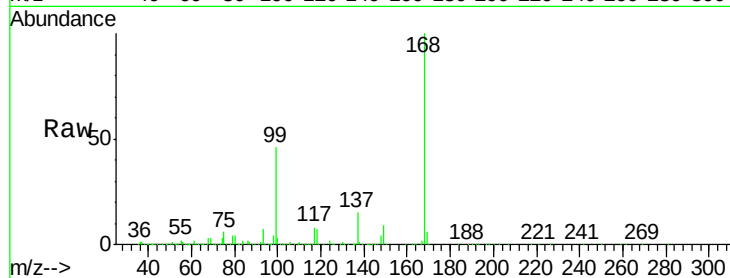
Z3-ER-2019-1

Tot Ion:168 Resp: 449855

Ion Ratio Lower Upper

168 100

99 46.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

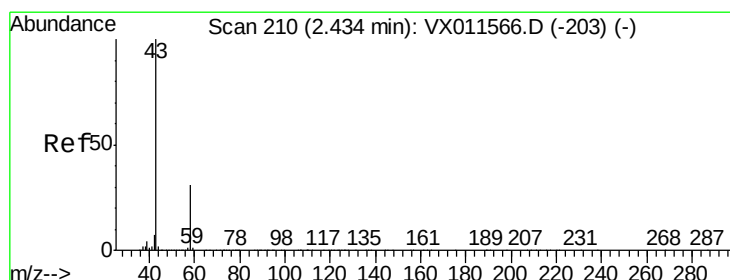
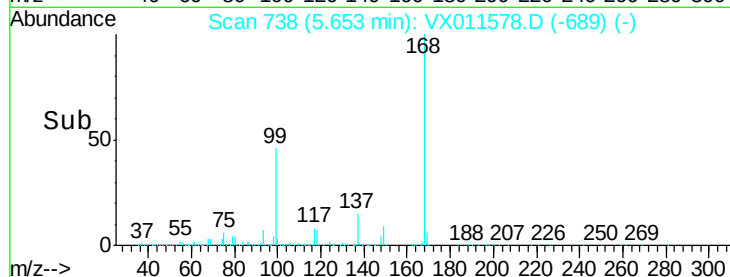
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 6.737 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011578.D

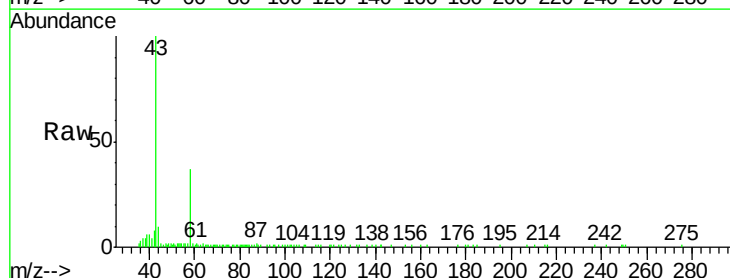
Acq: 16 Aug 2019 14:03

Tgt Ion: 43 Resp: 14131

Ion Ratio Lower Upper

43 100

58 35.2 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

8000

6000

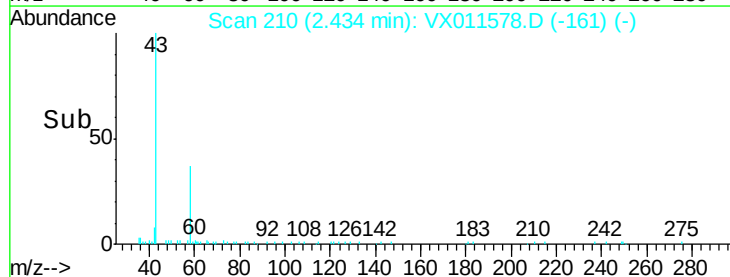
4000

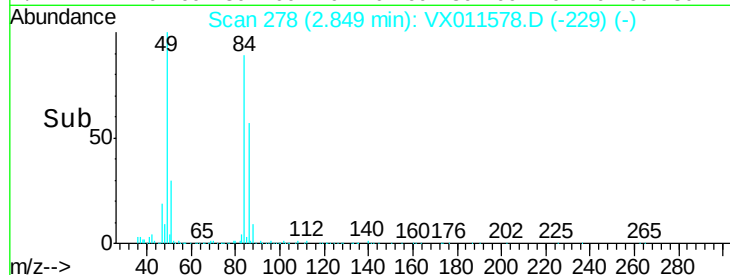
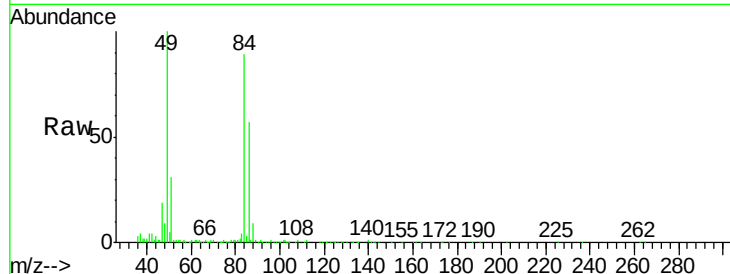
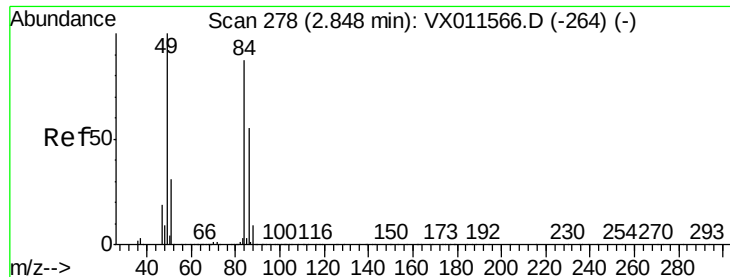
2000

0

Time-->

2.35 2.40 2.45 2.50

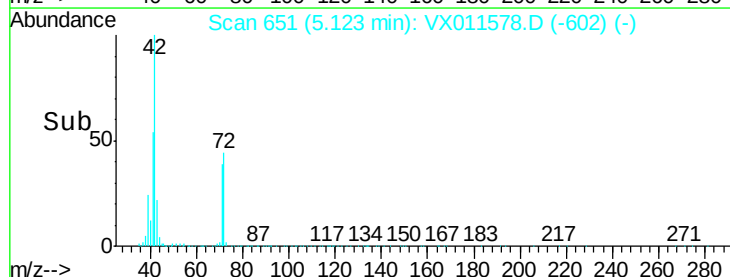
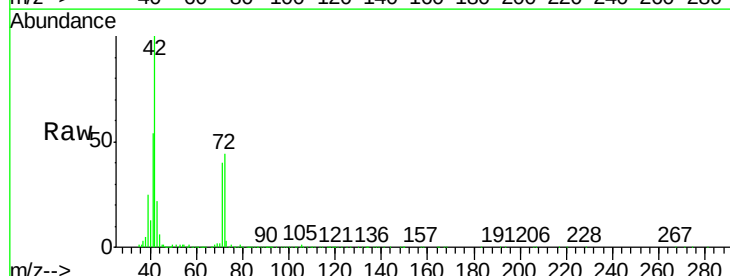
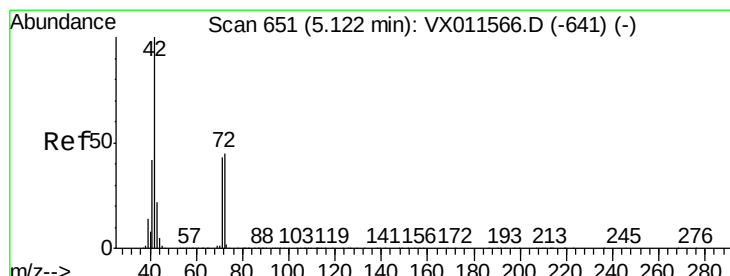
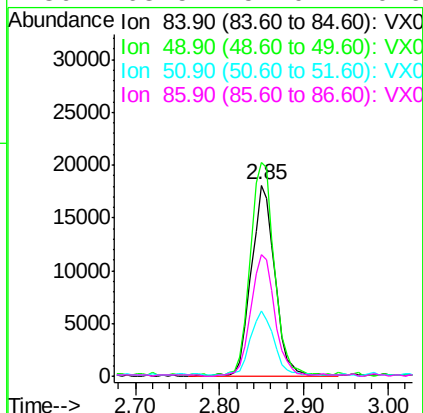




#20  
Methylene Chloride  
Concen: 7.800 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. 0.00 min  
Lab File: VX011578.D  
Acq: 16 Aug 2019 14:03

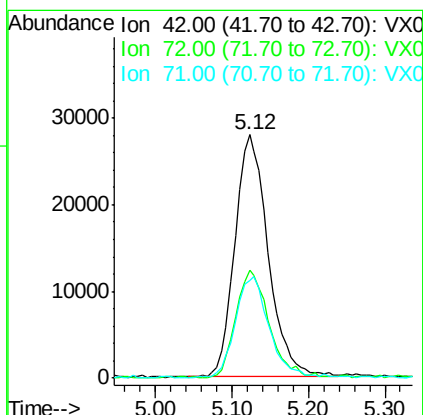
Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-ER-2019-1

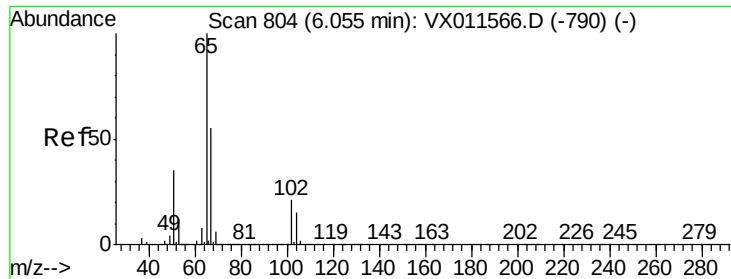
| Tot Ion: | 84    | Resp: | 34355 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 110.2 | 92.4  | 138.6 |
| 51       | 33.8  | 28.5  | 42.7  |
| 86       | 63.5  | 51.0  | 76.6  |



#29  
Tetrahydrofuran  
Concen: 39.100 ug/l  
RT: 5.12 min Scan# 651  
Delta R.T. 0.00 min  
Lab File: VX011578.D  
Acq: 16 Aug 2019 14:03

| Tgt Ion: | 42    | Resp: | 84465 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 43.8  | 36.1  | 54.1  |
| 71       | 42.9  | 33.8  | 50.8  |

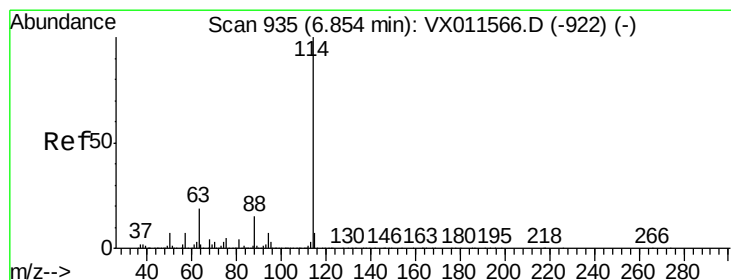
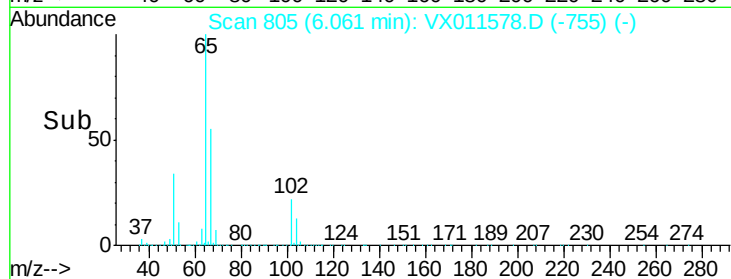
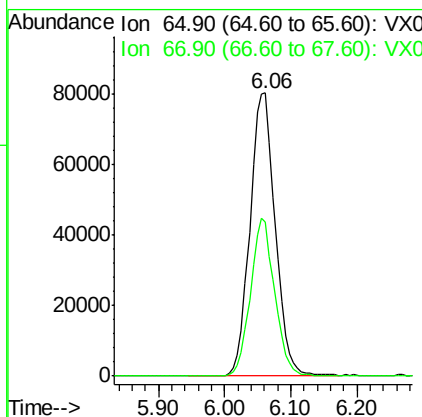
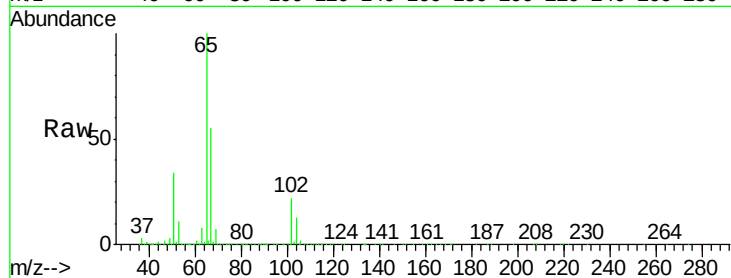




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.490 ug/l  
 RT: 6.06 min Scan# 805  
 Delta R.T. 0.01 min  
 Lab File: VX011578.D  
 Acq: 16 Aug 2019 14:03

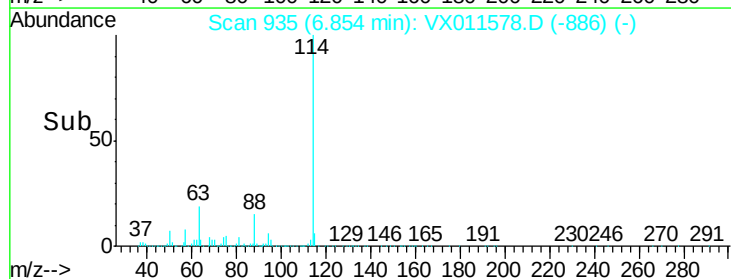
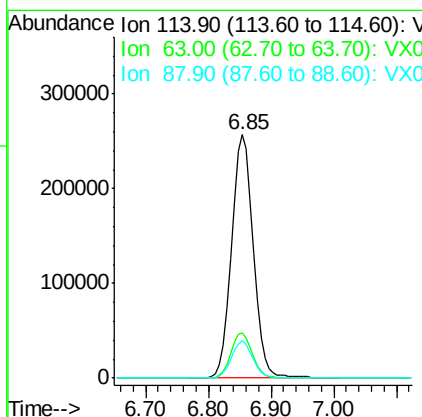
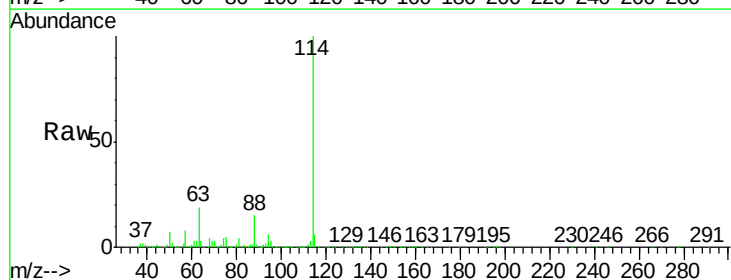
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-ER-2019-1

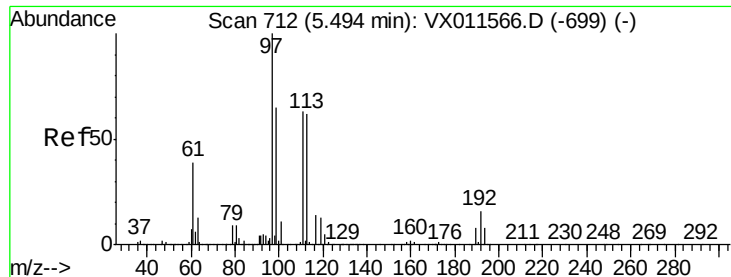
Tot Ion: 65 Resp: 214807  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 107.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VX011578.D  
 Acq: 16 Aug 2019 14:03

Tgt Ion: 114 Resp: 614818  
 Ion Ratio Lower Upper  
 114 100  
 63 18.6 0.0 37.8  
 88 15.1 0.0 30.2

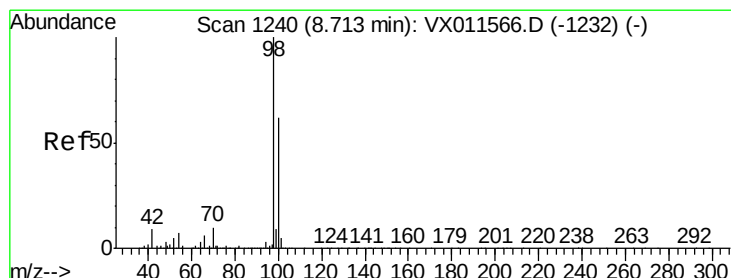
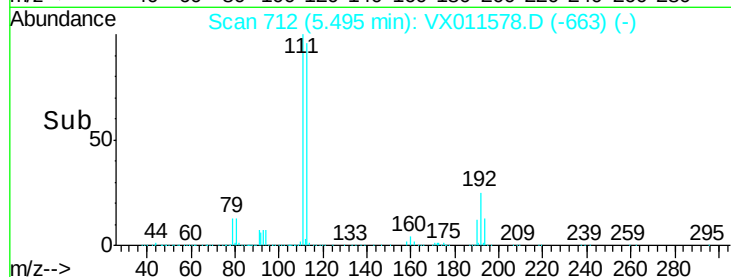
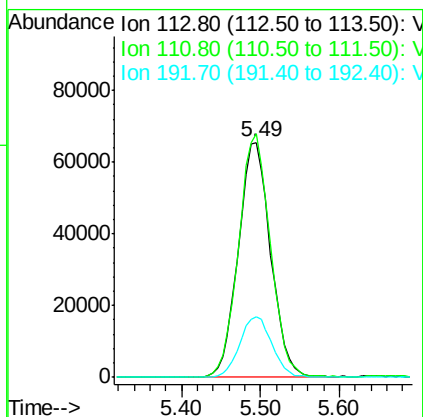
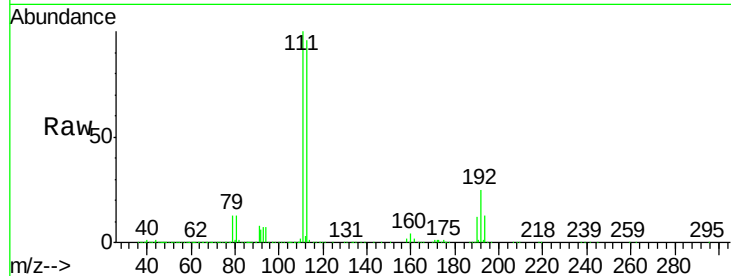




#35  
 Dibromofluoromethane  
 Concen: 46.327 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. 0.00 min  
 Lab File: VX011578.D  
 Acq: 16 Aug 2019 14:03

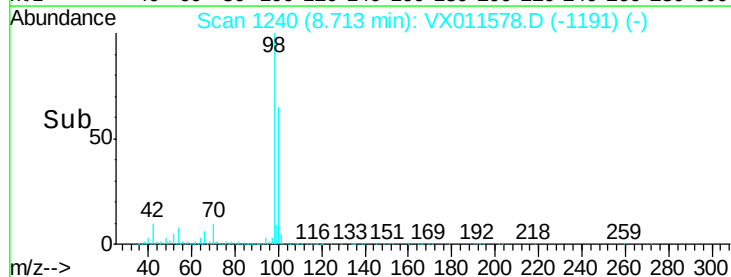
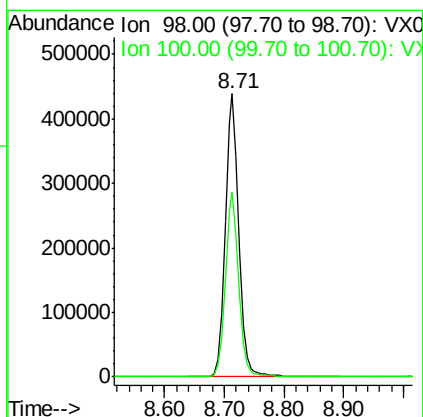
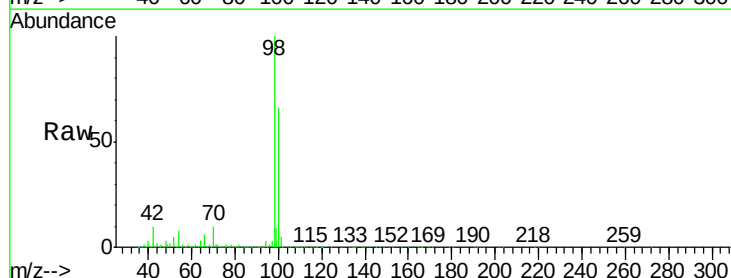
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-ER-2019-1

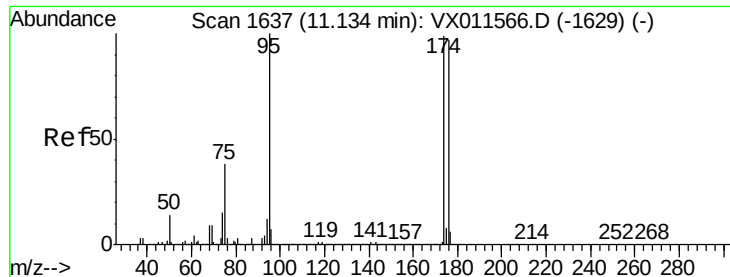
Tot Ion:113 Resp: 186293  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 81.1 121.7  
 192 26.0 20.8 31.2



#50  
 Toluene-d8  
 Concen: 55.527 ug/l  
 RT: 8.71 min Scan# 1240  
 Delta R.T. 0.00 min  
 Lab File: VX011578.D  
 Acq: 16 Aug 2019 14:03

Tgt Ion: 98 Resp: 695745  
 Ion Ratio Lower Upper  
 98 100  
 100 64.8 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 44.848 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011578.D

Acq: 16 Aug 2019 14:03

Instrument :

MSVOA\_X

ClientSampleId :

Z3-ER-2019-1

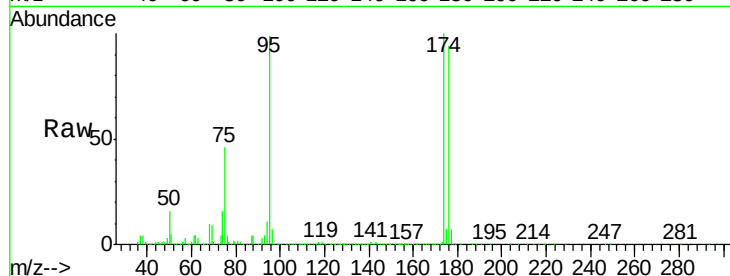
Tot Ion: 95 Resp: 237183

Ion Ratio Lower Upper

95 100

174 100.7 0.0 200.6

176 97.2 0.0 196.6

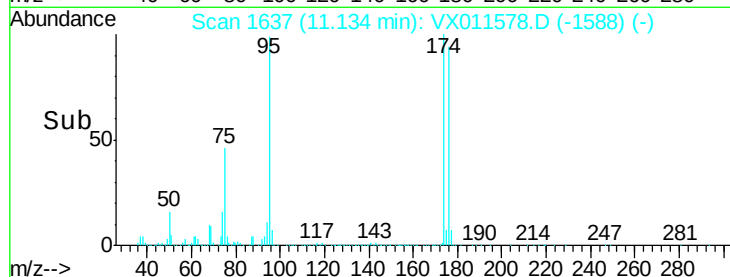


Abundance Ion 94.90 (94.60 to 95.60): VX011566.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX011566.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX011566.D (-1629) (-)

Time-->

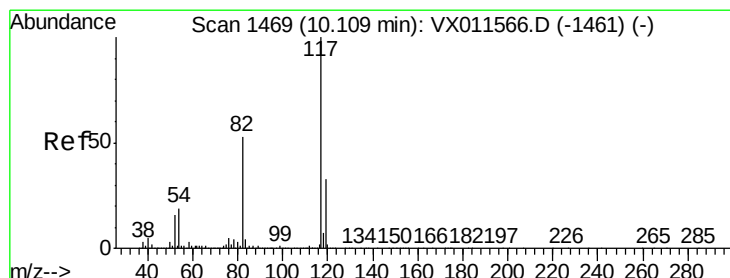


Abundance Ion 94.90 (94.60 to 95.60): VX011578.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011578.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011578.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011578.D

Acq: 16 Aug 2019 14:03

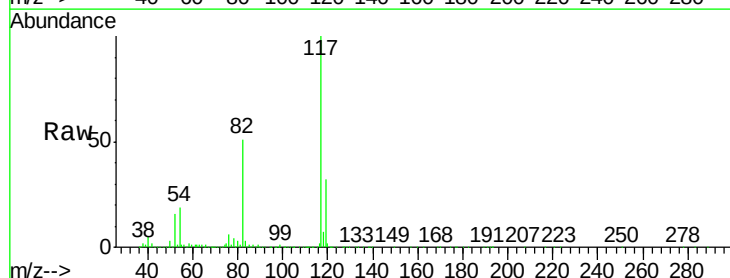
Tgt Ion: 117 Resp: 548461

Ion Ratio Lower Upper

117 100

82 50.8 42.0 63.0

119 32.2 26.5 39.7

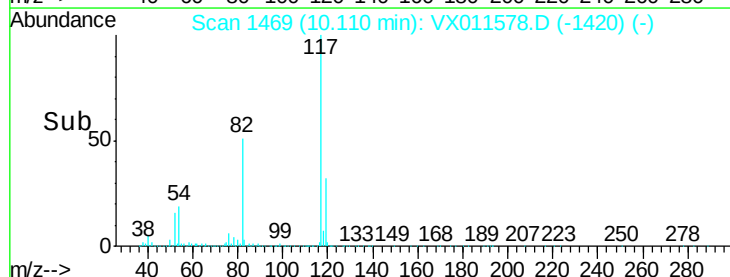


Abundance Ion 116.90 (116.60 to 117.60): VX011566.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011566.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011566.D (-1461) (-)

Time-->

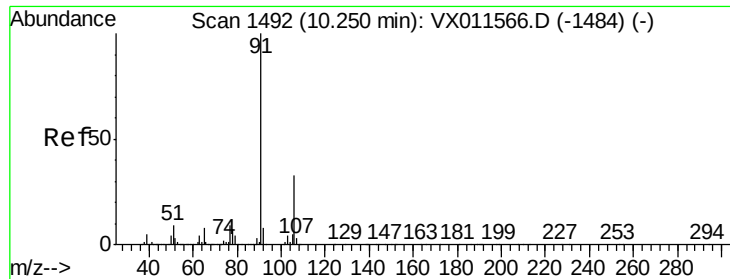


Abundance Ion 116.90 (116.60 to 117.60): VX011578.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011578.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011578.D (-1420) (-)

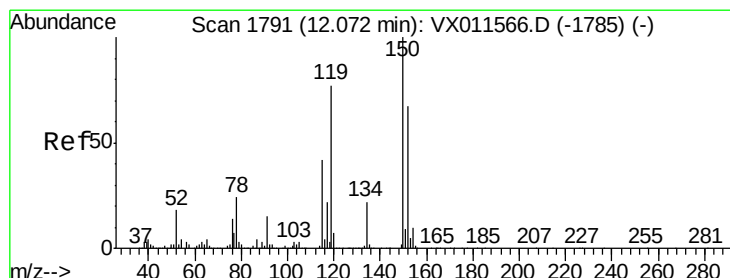
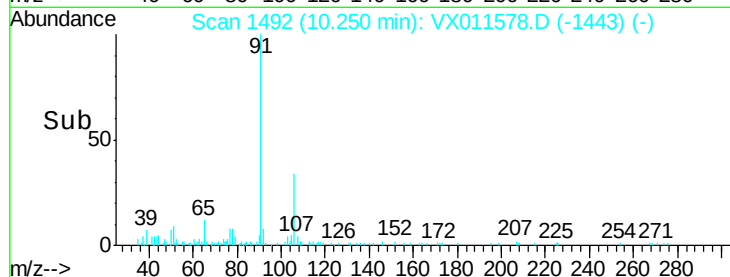
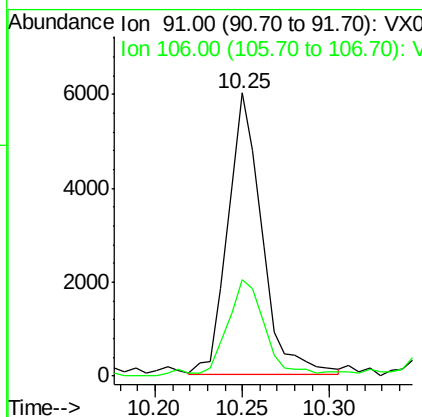
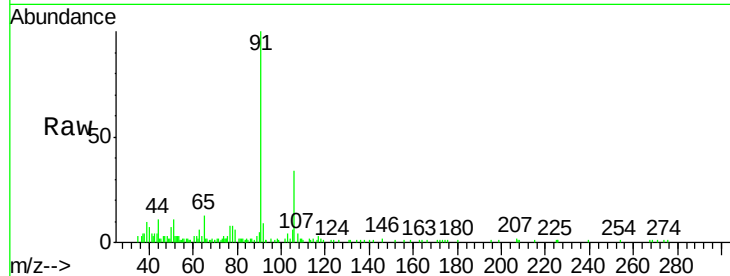
Time-->



#67  
Ethyl Benzene  
Concen: 0.417 ug/l  
RT: 10.25 min Scan# 1492  
Delta R.T. 0.00 min  
Lab File: VX011578.D  
Acq: 16 Aug 2019 14:03

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Tot Ion: 91 Resp: 8143  
Ion Ratio Lower Upper  
91 100  
106 33.2 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.01 min  
Lab File: VX011578.D  
Acq: 16 Aug 2019 14:03

Tgt Ion: 152 Resp: 255605  
Ion Ratio Lower Upper  
152 100  
115 53.7 37.3 111.9  
150 157.8 0.0 346.2

