

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\  
 Data File : VX004080.D  
 Acq On : 15 Aug 2018 18:41  
 Operator : JC/MD  
 Sample : J4473-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS027-180813

Quant Time: Aug 16 16:54:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 13:27:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 261792   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 399165   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 381220   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 195189   | 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   | 188243   | 51.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.06% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 154009   | 51.55 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.10% |          |
| 50) Toluene-d8              | 8.72  | 98   | 574463   | 47.43 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.86%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 191065   | 43.49 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.98%  |          |

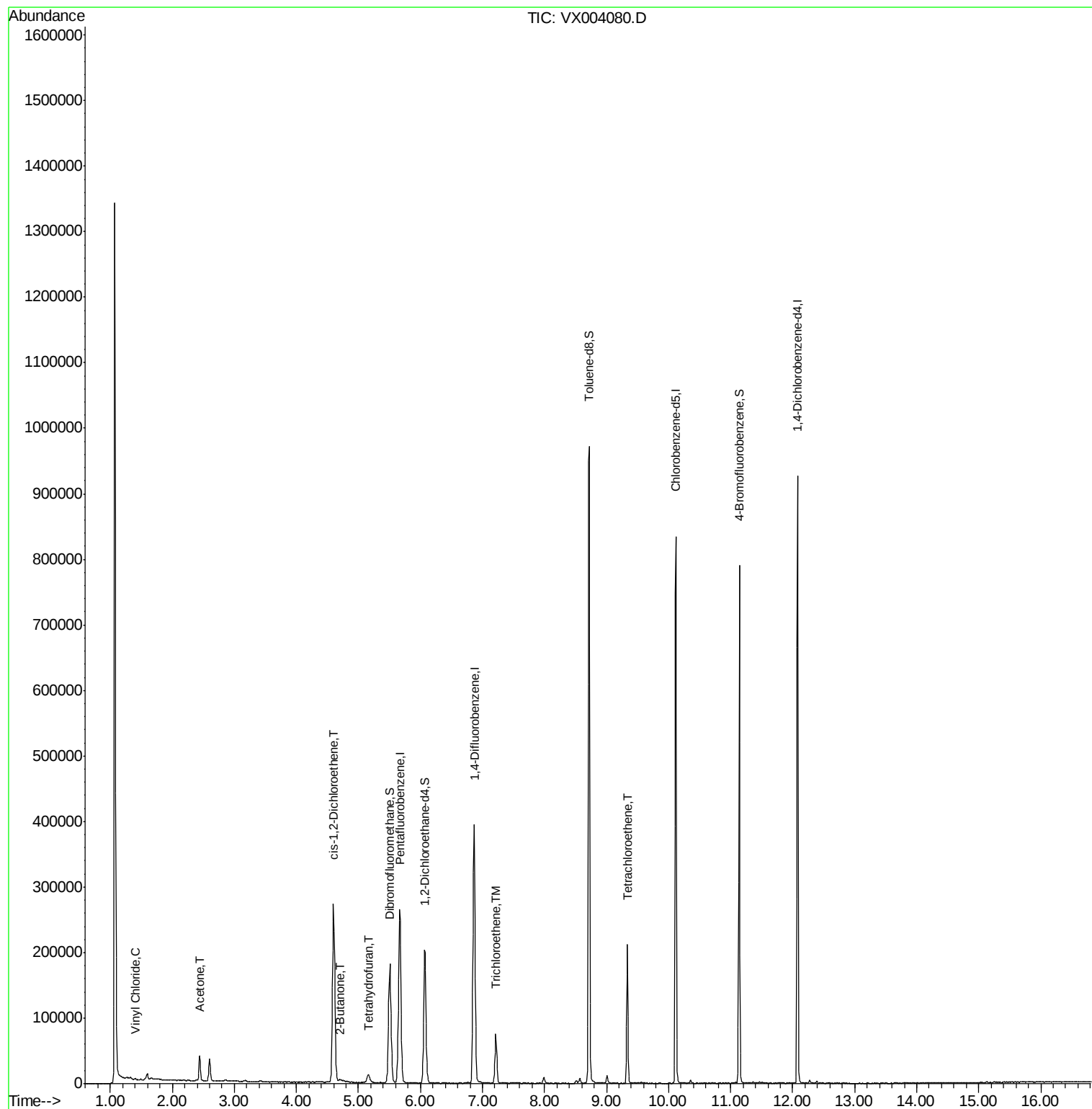
| Target Compounds           | R.T. | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|------|------|----------|-------|-------|--------|
| 4) Vinyl Chloride          | 1.40 | 62   | 1487     | 0.44  | ug/l  | 89     |
| 16) Acetone                | 2.44 | 43   | 41611    | 21.70 | ug/l  | 100    |
| 25) 2-Butanone             | 4.70 | 43   | 6295     | 2.02  | ug/l  | 95     |
| 27) cis-1,2-Dichloroethene | 4.60 | 96   | 174956   | 49.74 | ug/l  | 90     |
| 29) Tetrahydrofuran        | 5.16 | 42   | 11290    | 7.08  | ug/l  | 94     |
| 44) Trichloroethene        | 7.21 | 130  | 30462    | 8.23  | ug/l  | 98     |
| 64) Tetrachloroethene      | 9.34 | 164  | 43016    | 11.91 | ug/l  | 94     |

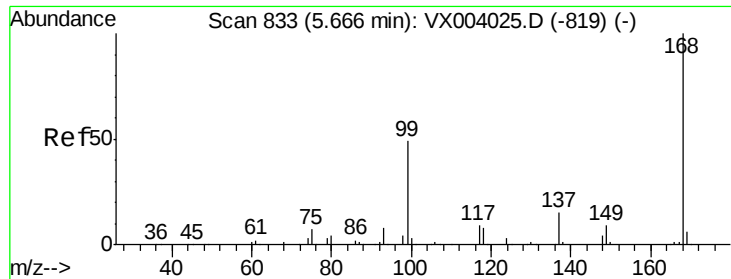
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081518\  
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Quant Time: Aug 16 16:54:52 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X081418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 14 13:27:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004080.D

Acq: 15 Aug 2018 18:41

Instrument :

MSVOA\_X

ClientSampleId :

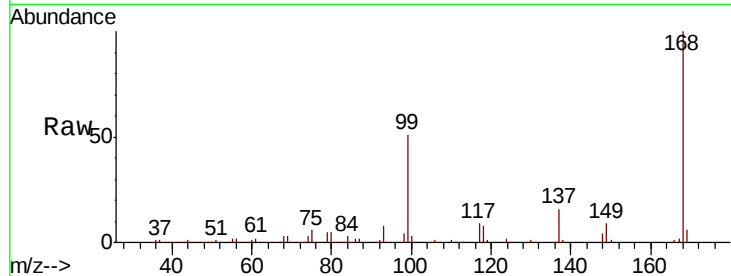
KY038PS027-180813

Tot Ion:168 Resp: 261792

Ion Ratio Lower Upper

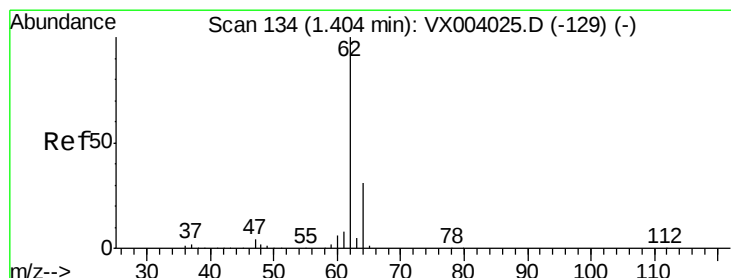
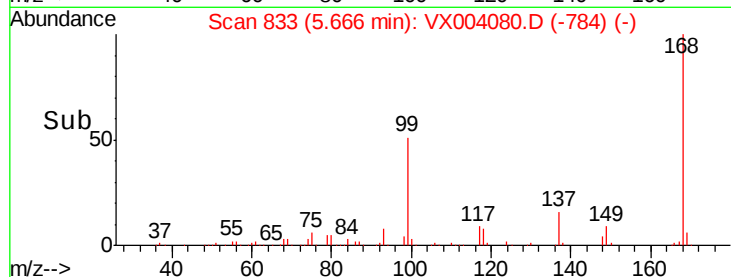
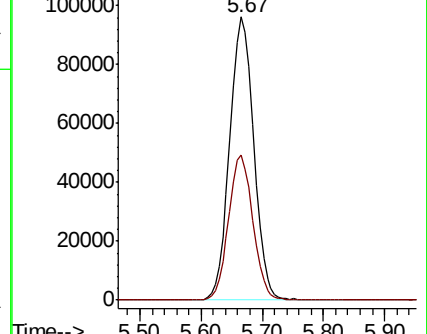
168 100

99 51.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.44 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004080.D

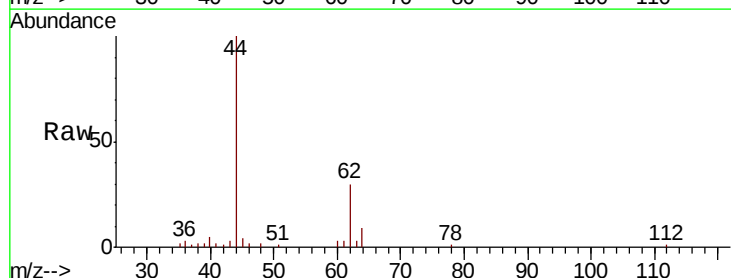
Acq: 15 Aug 2018 18:41

Tgt Ion: 62 Resp: 1487

Ion Ratio Lower Upper

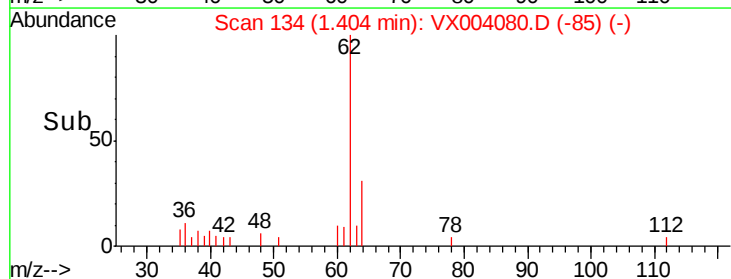
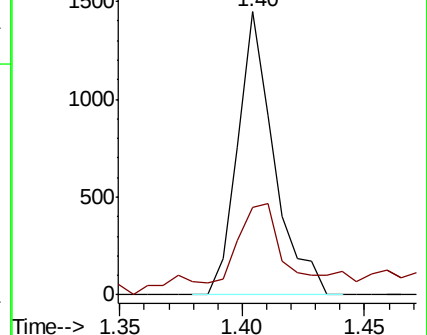
62 100

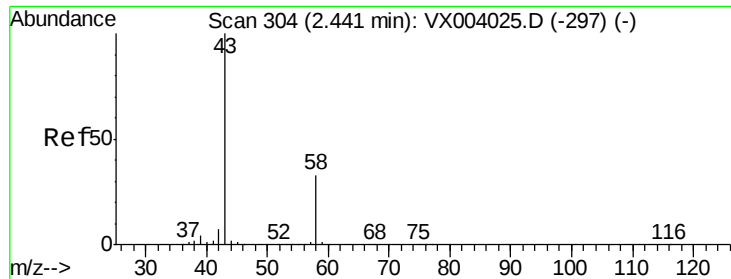
64 26.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 21.70 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004080.D

Acq: 15 Aug 2018 18:41

Instrument :

MSVOA\_X

ClientSampleId :

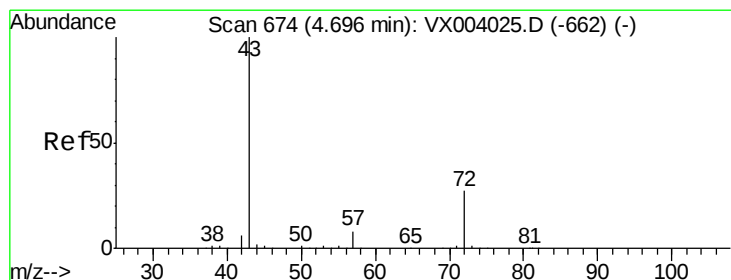
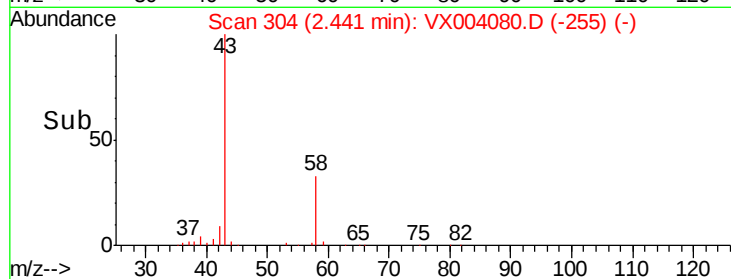
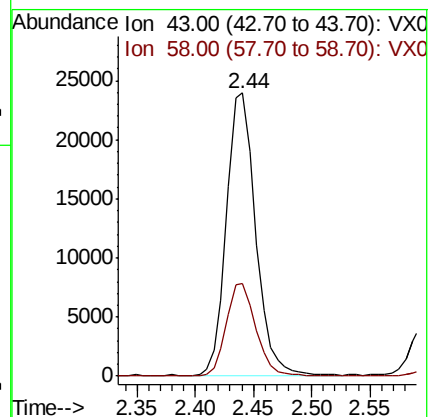
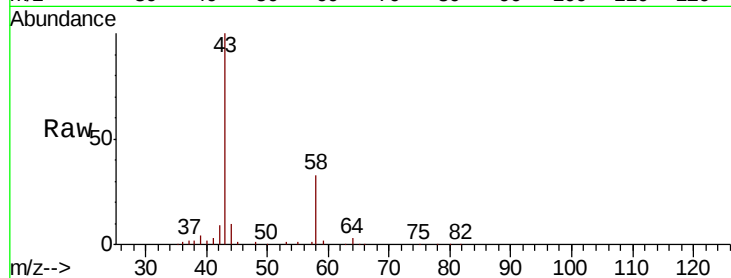
KY038PS027-180813

Tot Ion: 43 Resp: 41611

Ion Ratio Lower Upper

43 100

58 32.8 26.4 39.6



#25

2-Butanone

Concen: 2.02 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004080.D

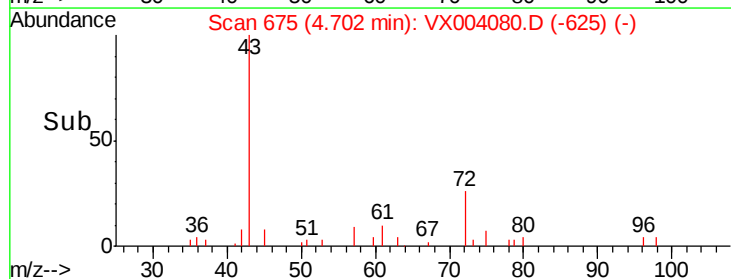
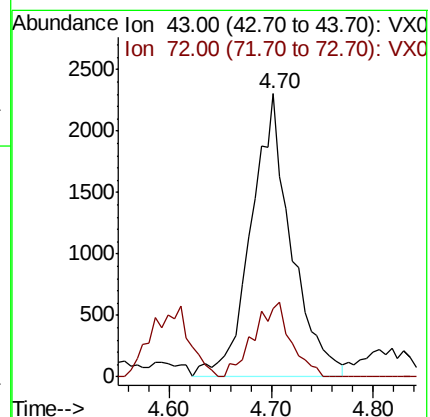
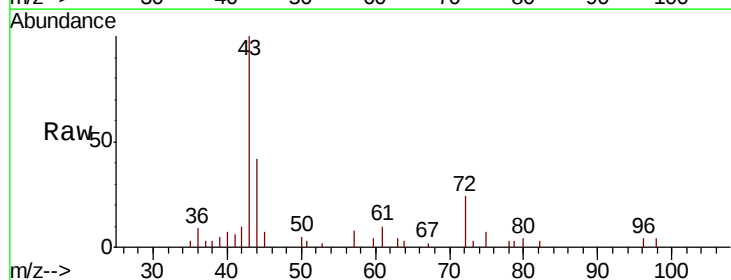
Acq: 15 Aug 2018 18:41

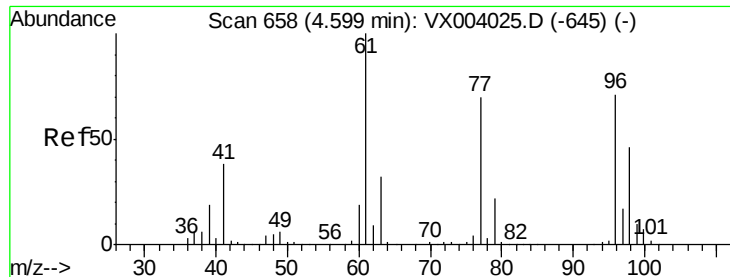
Tgt Ion: 43 Resp: 6295

Ion Ratio Lower Upper

43 100

72 24.2 21.4 32.0





#27

cis-1,2-Dichloroethene

Concen: 49.74 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004080.D

Acq: 15 Aug 2018 18:41

Instrument :

MSVOA\_X

ClientSampleId :

KY038PS027-180813

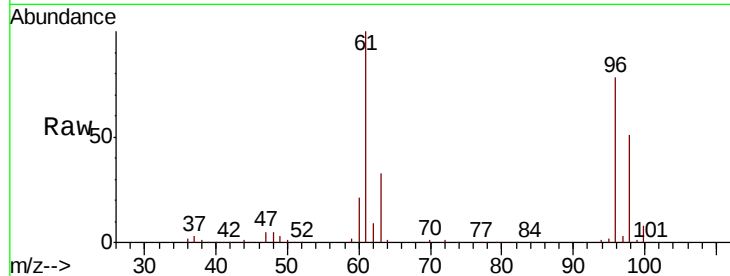
Tot Ion: 96 Resp: 174956

Ion Ratio Lower Upper

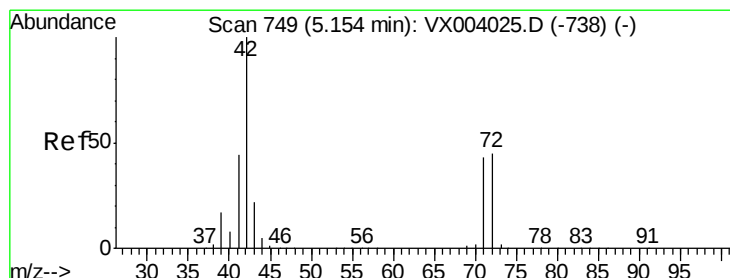
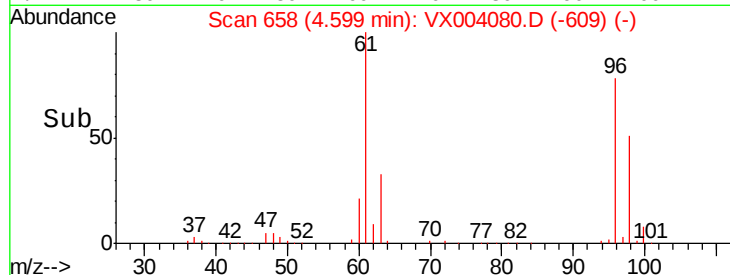
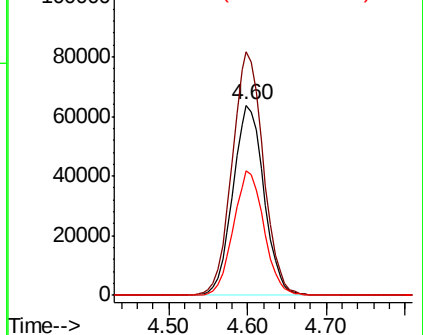
96 100

61 128.8 0.0 293.0

98 64.5 0.0 131.8



Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



#29

Tetrahydrofuran

Concen: 7.08 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.01 min

Lab File: VX004080.D

Acq: 15 Aug 2018 18:41

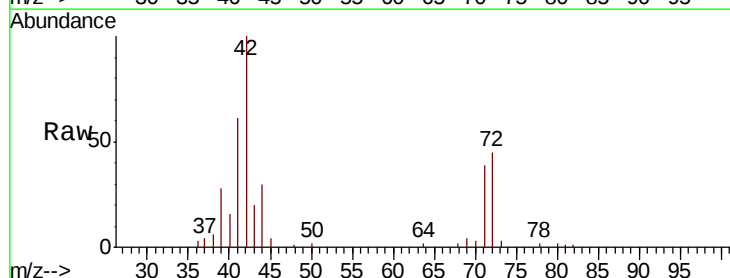
Tgt Ion: 42 Resp: 11290

Ion Ratio Lower Upper

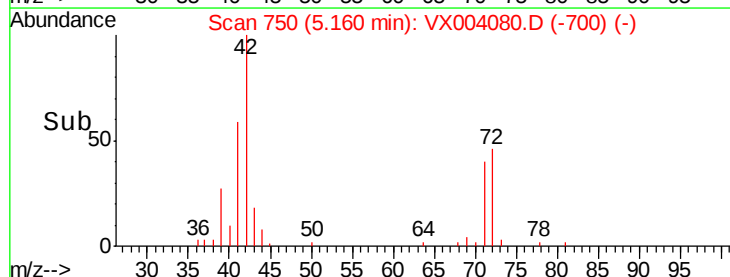
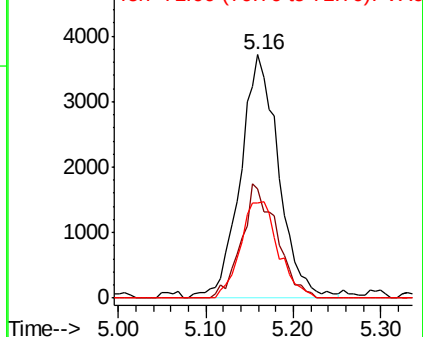
42 100

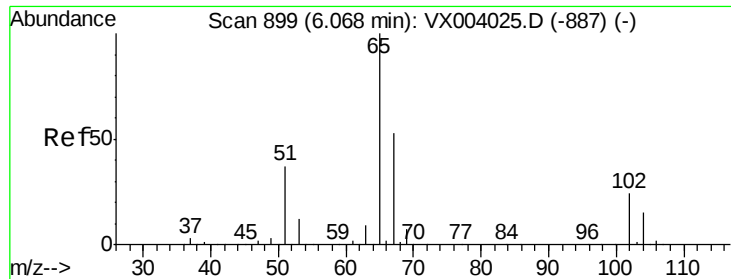
72 43.4 37.7 56.5

71 39.4 35.0 52.6



Abundance Ion 42.00 (41.70 to 42.70): VX0  
Ion 72.00 (71.70 to 72.70): VX0  
Ion 71.00 (70.70 to 71.70): VX0

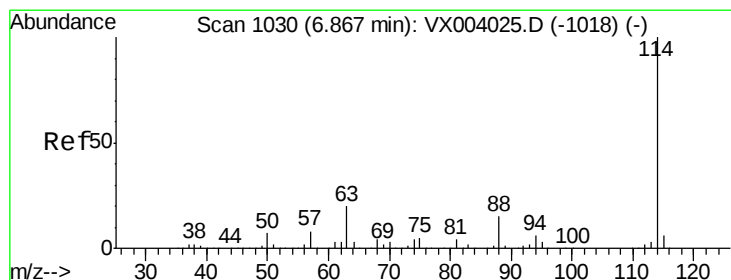
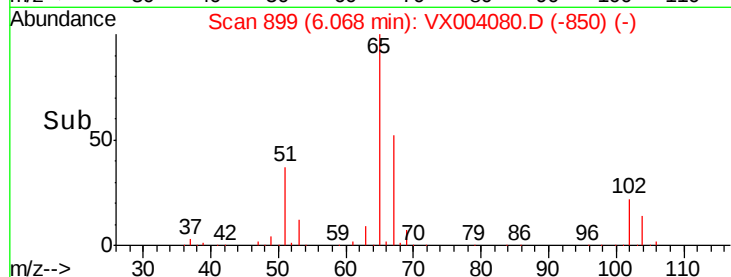
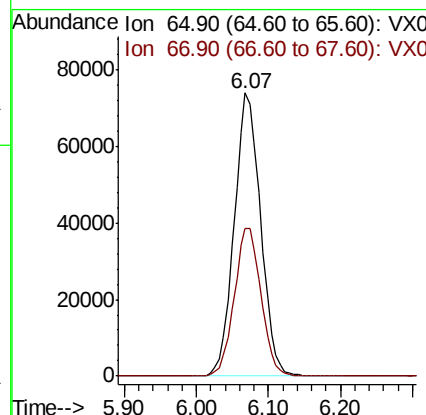
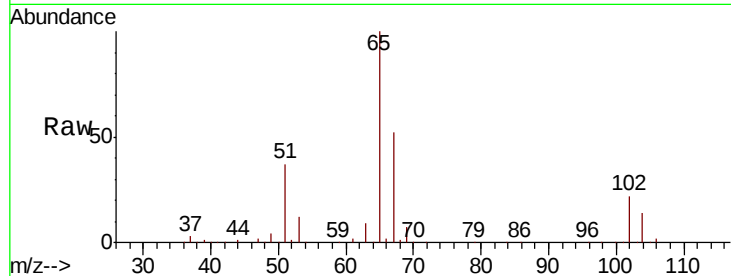




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.03 ug/l  
 RT: 6.07 min Scan# 899  
 Delta R.T. -0.00 min  
 Lab File: VX004080.D  
 Acq: 15 Aug 2018 18:41

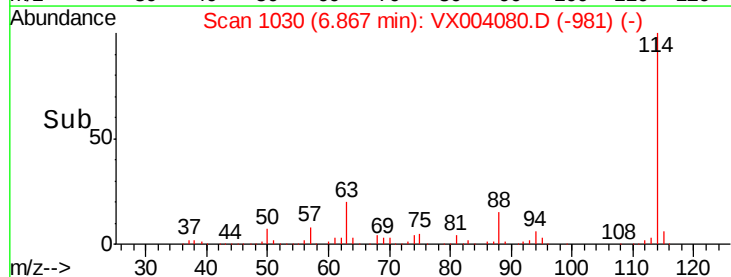
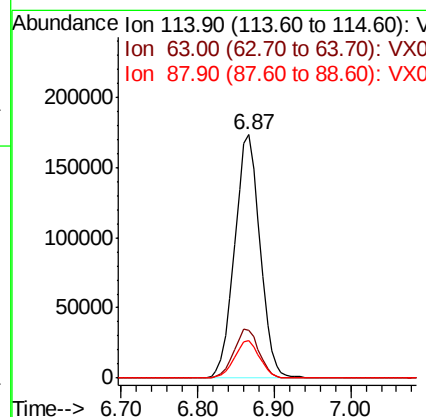
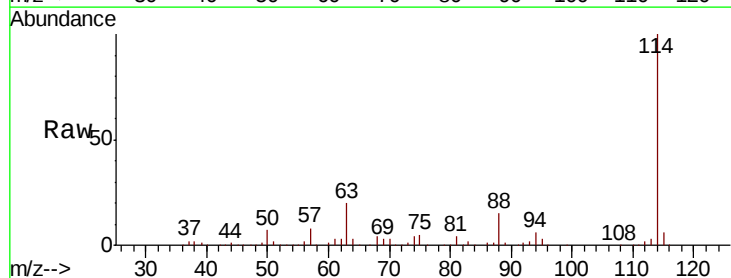
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS027-180813

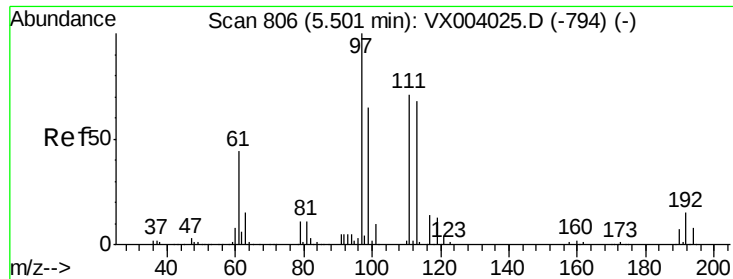
Tot Ion: 65 Resp: 188243  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX004080.D  
 Acq: 15 Aug 2018 18:41

Tgt Ion: 114 Resp: 399165  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 39.0  
 88 15.2 0.0 32.0

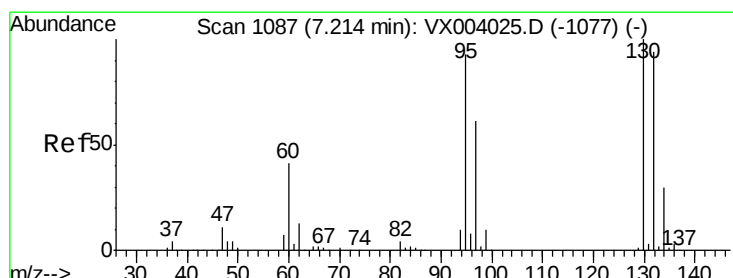
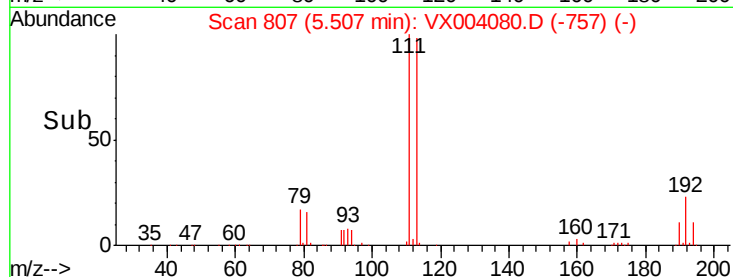
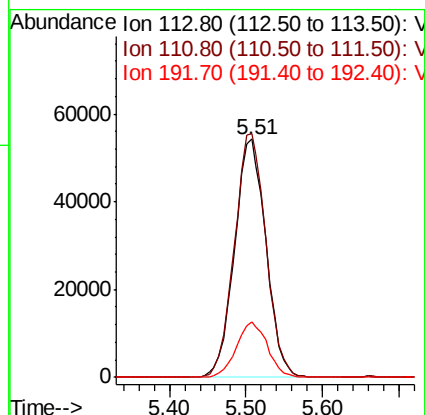
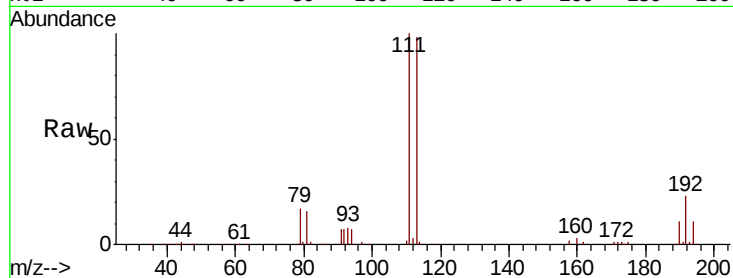




#35  
 Dibromofluoromethane  
 Concen: 51.55 ug/l  
 RT: 5.51 min Scan# 807  
 Delta R.T. 0.01 min  
 Lab File: VX004080.D  
 Acq: 15 Aug 2018 18:41

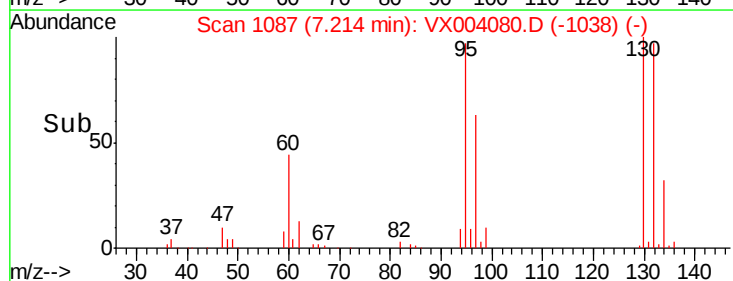
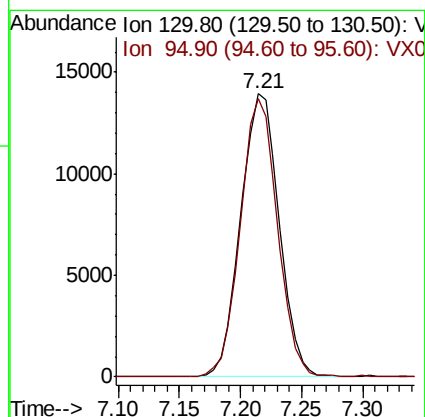
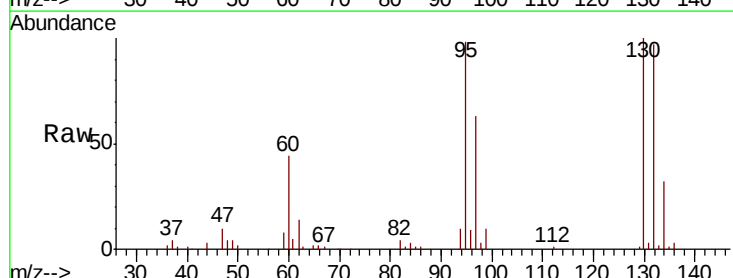
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 KY038PS027-180813

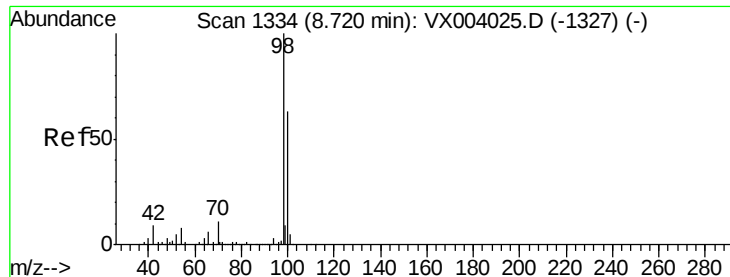
Tot Ion:113 Resp: 154009  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.0 123.0  
 192 23.0 19.0 28.4



#44  
 Trichloroethene  
 Concen: 8.23 ug/l  
 RT: 7.21 min Scan# 1087  
 Delta R.T. -0.00 min  
 Lab File: VX004080.D  
 Acq: 15 Aug 2018 18:41

Tgt Ion:130 Resp: 30462  
 Ion Ratio Lower Upper  
 130 100  
 95 98.1 0.0 199.4





#50

Toluene-d8

Concen: 47.43 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX004080.D

Acq: 15 Aug 2018 18:41

Instrument :

MSVOA\_X

ClientSampleId :

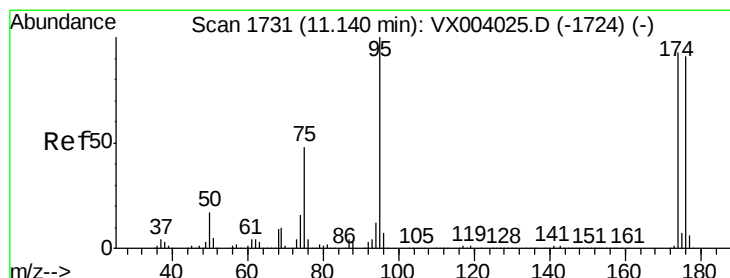
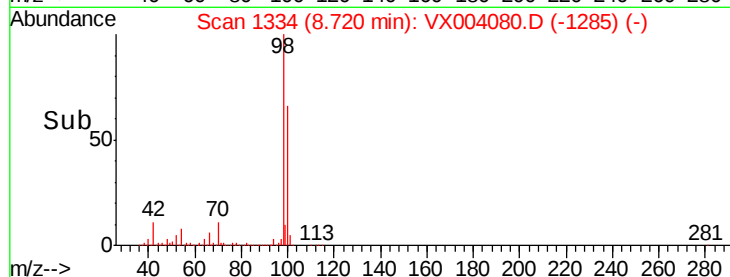
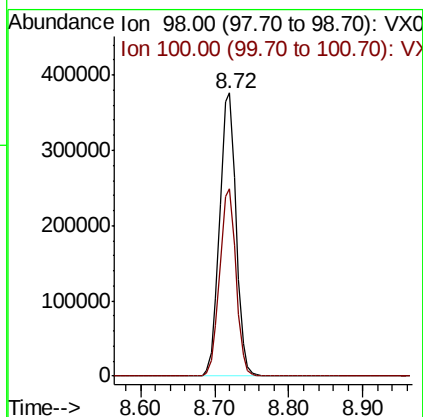
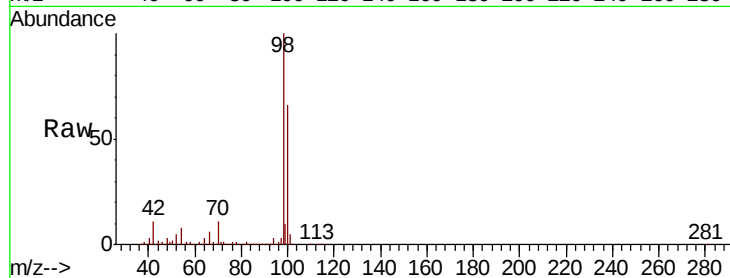
KY038PS027-180813

Tot Ion: 98 Resp: 574463

Ion Ratio Lower Upper

98 100

100 65.9 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 43.49 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004080.D

Acq: 15 Aug 2018 18:41

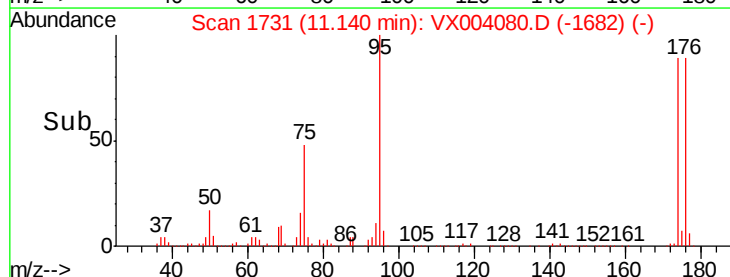
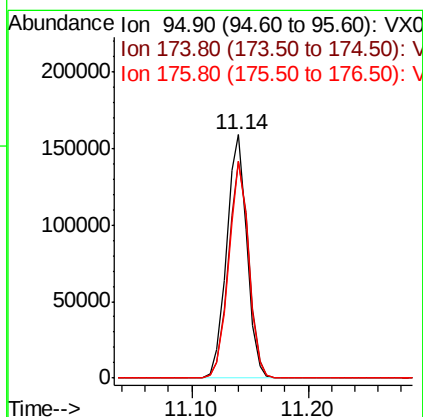
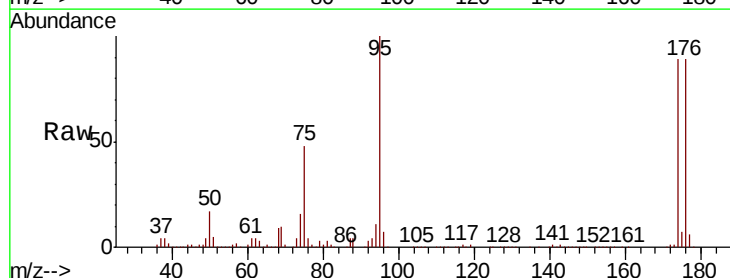
Tgt Ion: 95 Resp: 191065

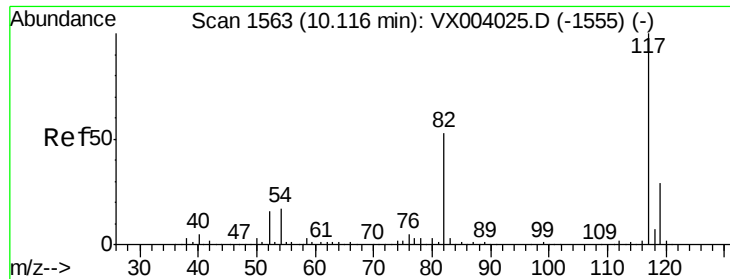
Ion Ratio Lower Upper

95 100

174 91.0 0.0 182.8

176 88.0 0.0 179.0

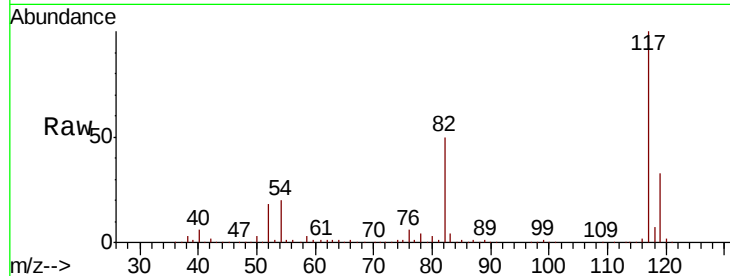




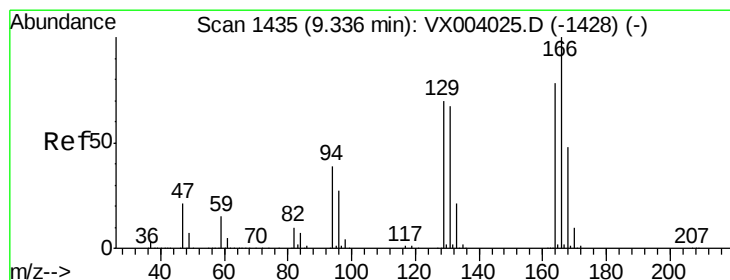
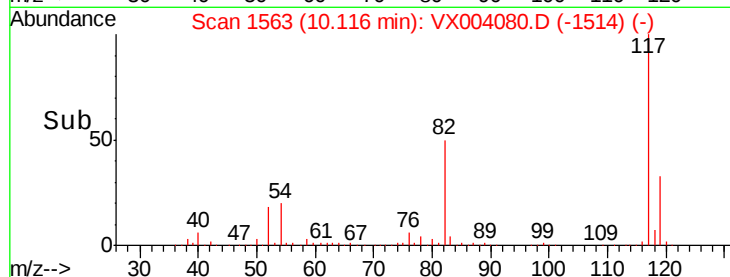
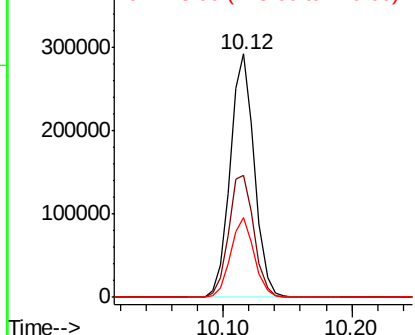
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX004080.D  
Acq: 15 Aug 2018 18:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
KY038PS027-180813

Tot Ion:117 Resp: 381220  
Ion Ratio Lower Upper  
117 100  
82 50.4 45.4 68.0  
119 32.6 26.6 40.0

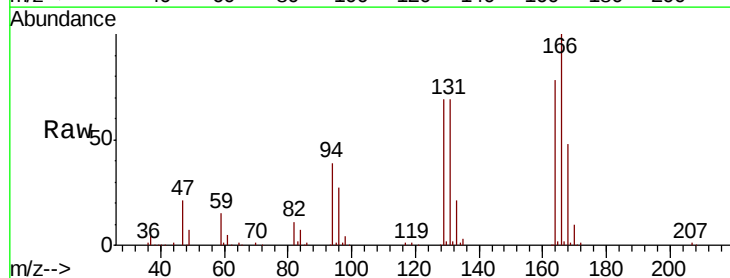


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

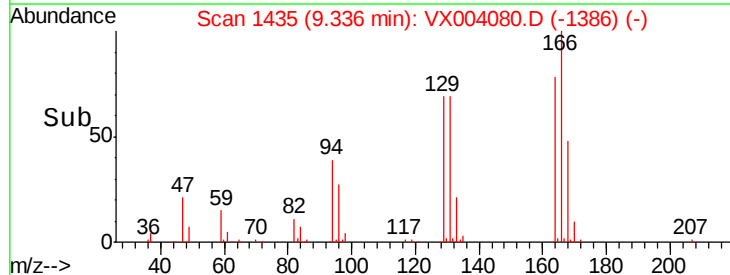
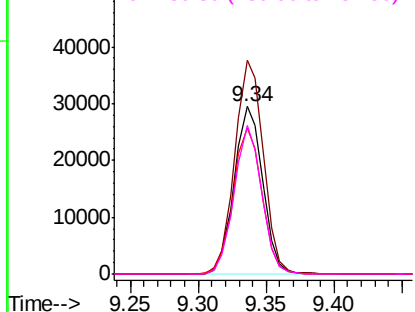


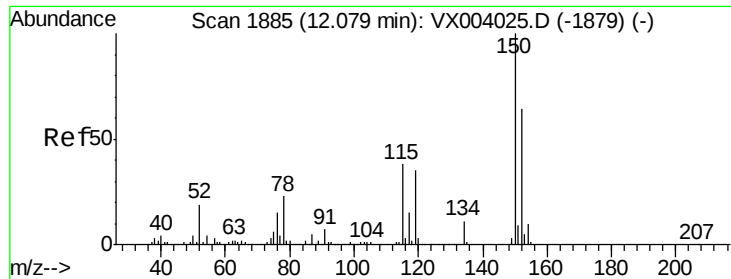
#64  
Tetrachloroethene  
Concen: 11.91 ug/l  
RT: 9.34 min Scan# 1435  
Delta R.T. -0.00 min  
Lab File: VX004080.D  
Acq: 15 Aug 2018 18:41

Tgt Ion:164 Resp: 43016  
Ion Ratio Lower Upper  
164 100  
166 127.6 98.0 147.0  
129 87.5 64.3 96.5  
131 88.5 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004080.D

Acq: 15 Aug 2018 18:41

Instrument :

MSVOA\_X

ClientSampleId :

KY038PS027-180813

Tot Ion:152 Resp: 195189

Ion Ratio Lower Upper

152 100

115 56.1 39.1 117.3

150 153.1 0.0 349.2

