

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121119\  
 Data File : VX013936.D  
 Acq On : 11 Dec 2019 12:01  
 Operator : JC/SP  
 Sample : K6185-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP02-20191204

Quant Time: Dec 12 04:15:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

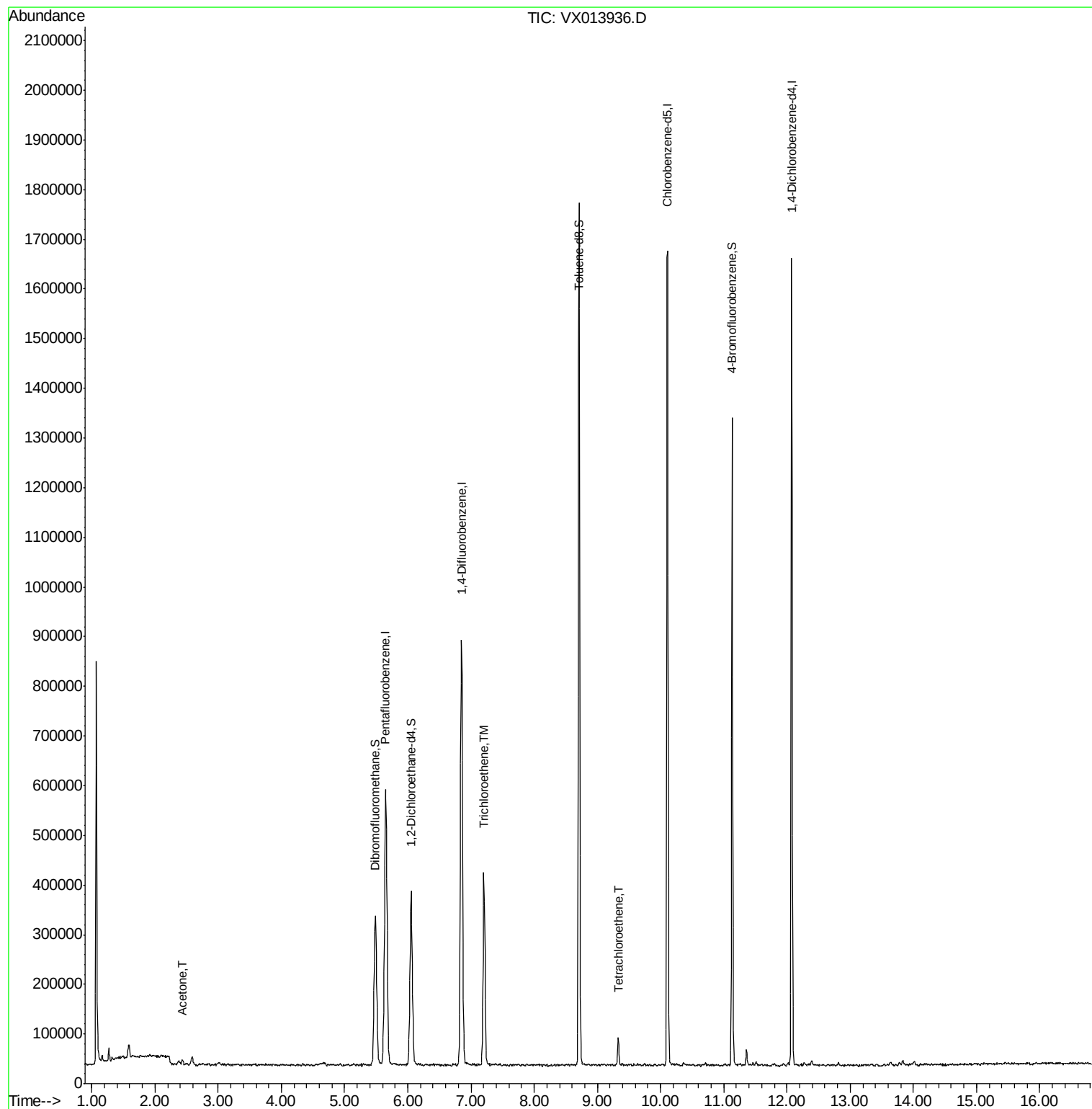
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 565692   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 872155   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 768941   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 343097   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 318751   | 48.54  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.08% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 263035   | 48.78  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.56% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1039015  | 49.46  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.92% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 339793   | 44.86  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.72% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.43  | 43   | 11537    | 3.559  | ug/l   | 93       |
| 44) Trichloroethene         | 7.21  | 130  | 160087   | 24.191 | ug/l   | 96       |
| 64) Tetrachloroethene       | 9.33  | 164  | 5314     | 0.927  | ug/l   | 91       |

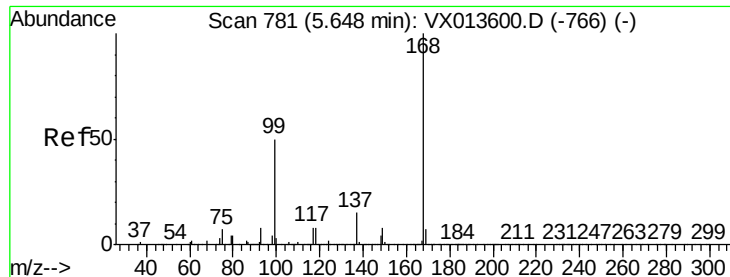
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DUP02-20191204

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 26 15:53:00 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013936.D

Acq: 11 Dec 2019 12:01

Instrument :

MSVOA\_X

ClientSampleId :

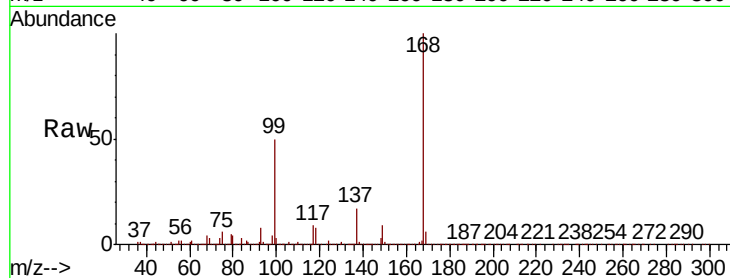
DUP02-20191204

Tot Ion:168 Resp: 565692

Ion Ratio Lower Upper

168 100

99 50.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

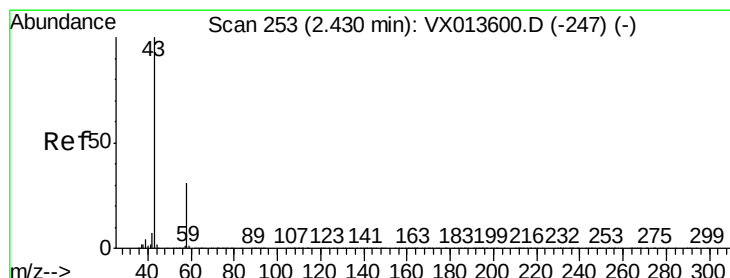
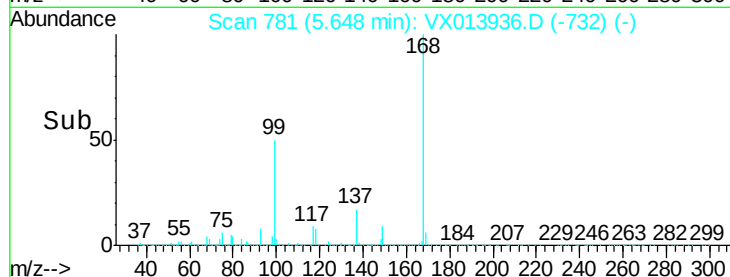
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.559 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013936.D

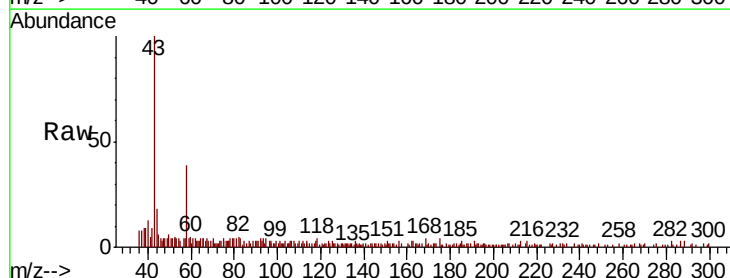
Acq: 11 Dec 2019 12:01

Tgt Ion: 43 Resp: 11537

Ion Ratio Lower Upper

43 100

58 34.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

6000

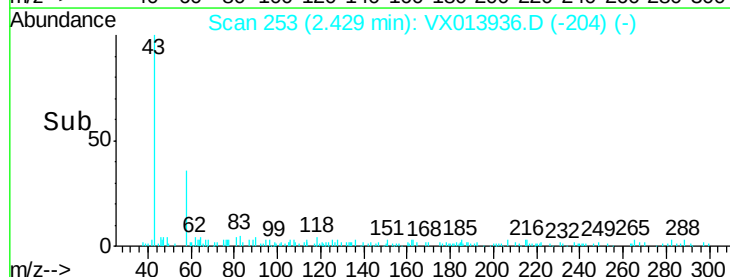
4000

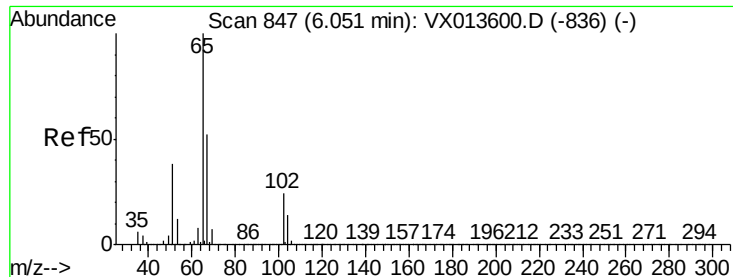
2000

0

Time-->

2.40 2.45 2.50

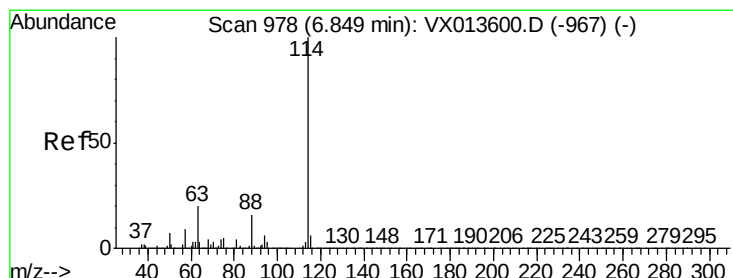
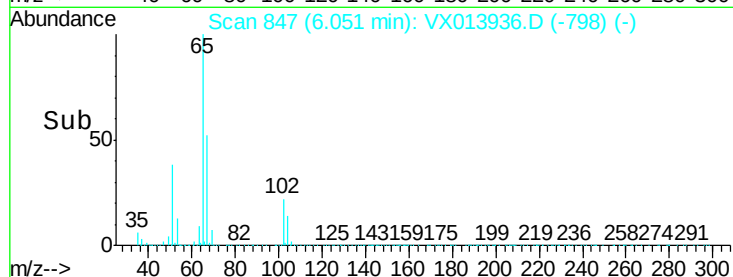
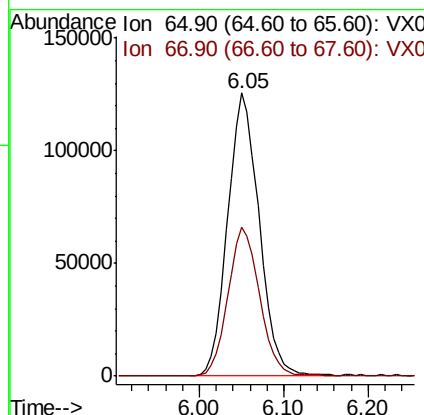
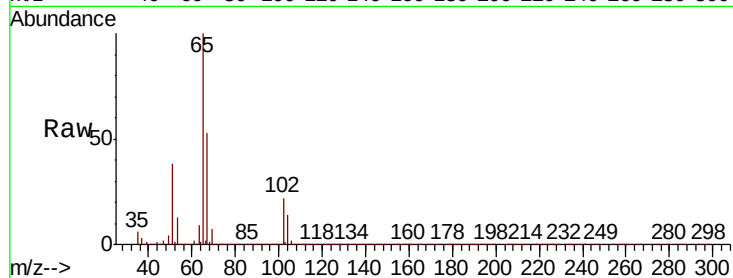




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.543 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. -0.00 min  
 Lab File: VX013936.D  
 Acq: 11 Dec 2019 12:01

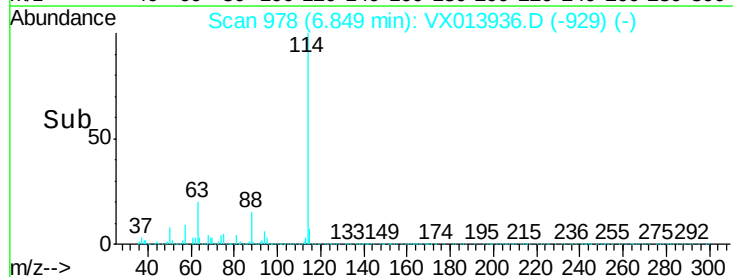
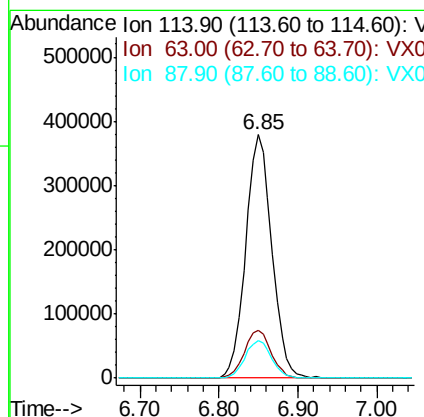
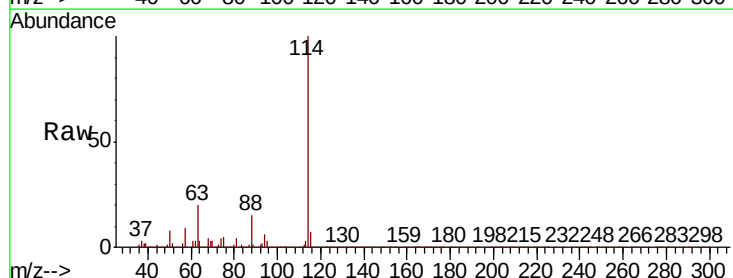
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP02-20191204

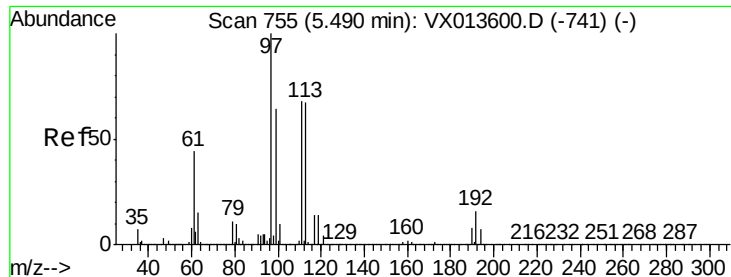
Tot Ion: 65 Resp: 318751  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: VX013936.D  
 Acq: 11 Dec 2019 12:01

Tgt Ion: 114 Resp: 872155  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 39.6  
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.785 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013936.D

Acq: 11 Dec 2019 12:01

Instrument :

MSVOA\_X

ClientSampleId :

DUP02-20191204

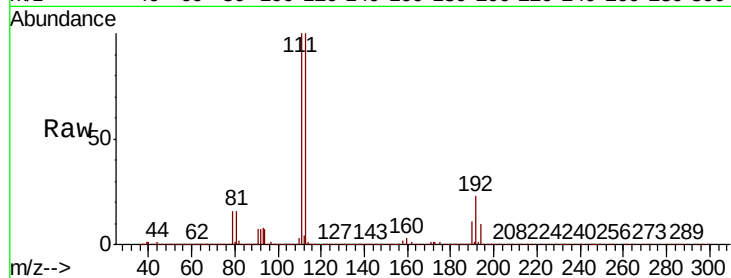
Tot Ion:113 Resp: 263035

Ion Ratio Lower Upper

113 100

111 103.3 83.6 125.4

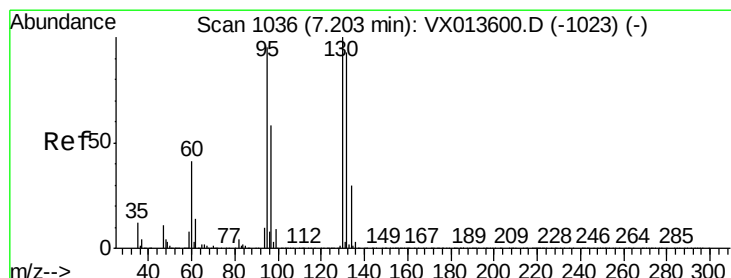
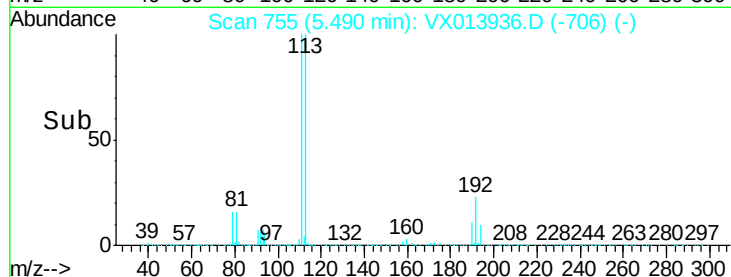
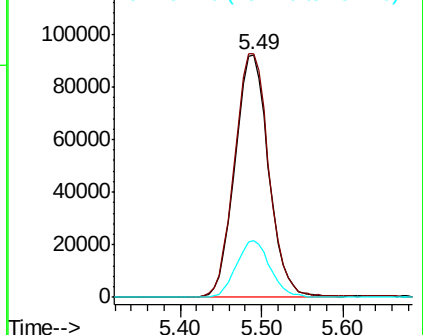
192 23.5 19.2 28.8



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



#44

Trichloroethene

Concen: 24.191 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013936.D

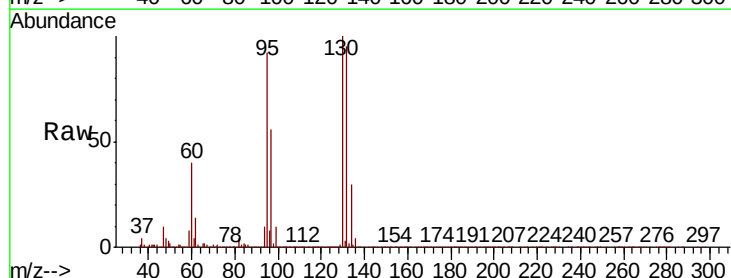
Acq: 11 Dec 2019 12:01

Tgt Ion:130 Resp: 160087

Ion Ratio Lower Upper

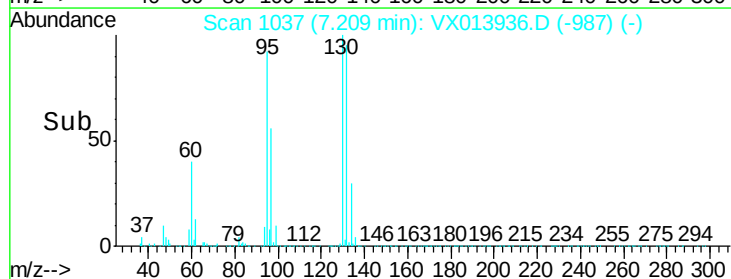
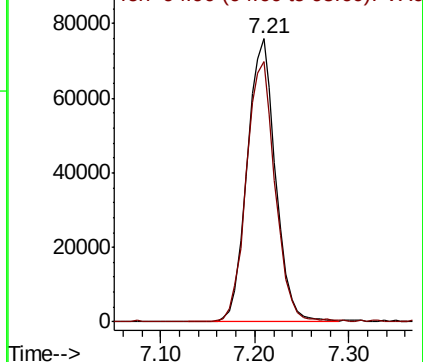
130 100

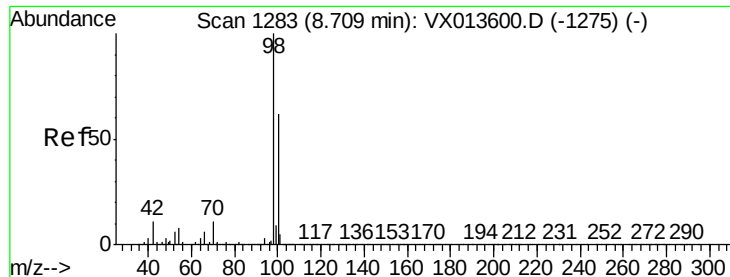
95 91.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

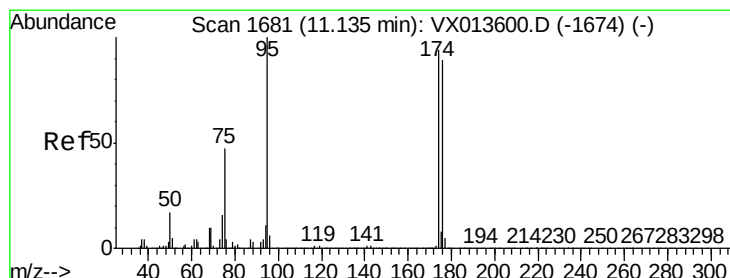
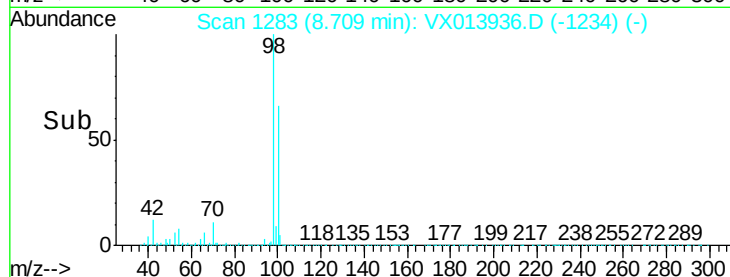
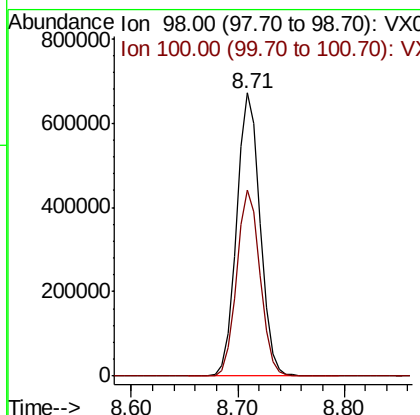
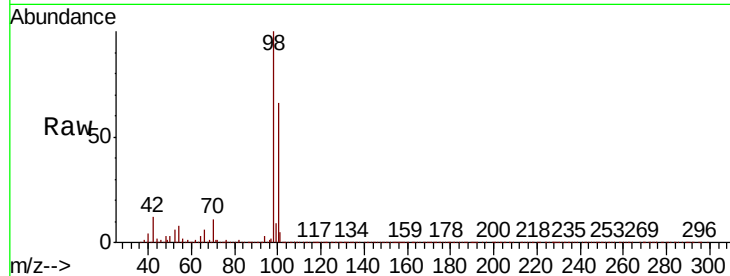




#50  
Toluene-d8  
Concen: 49.460 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX013936.D  
Acq: 11 Dec 2019 12:01

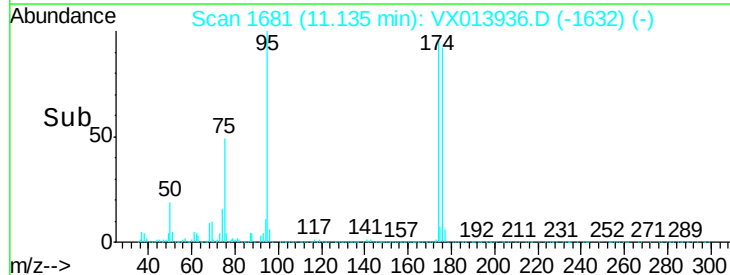
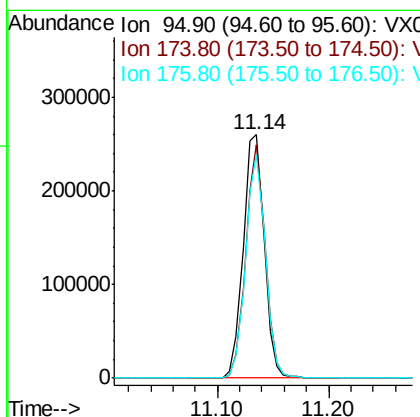
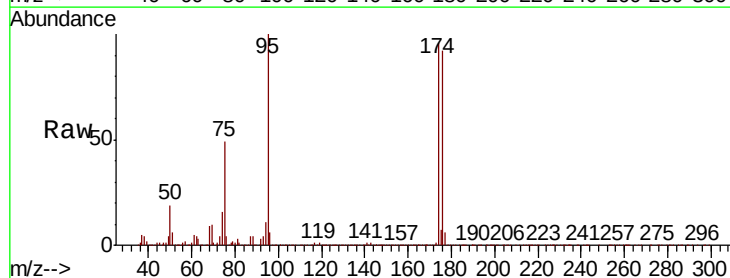
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP02-20191204

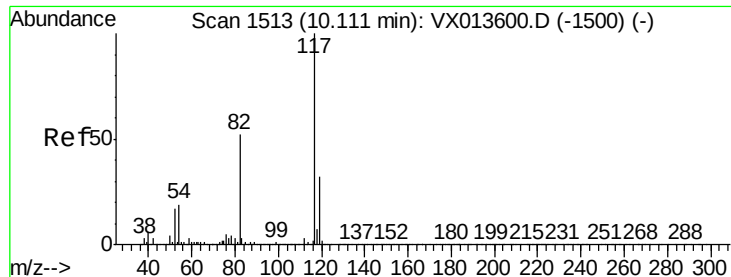
Tot Ion: 98 Resp: 1039015  
Ion Ratio Lower Upper  
98 100  
100 65.3 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 44.856 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VX013936.D  
Acq: 11 Dec 2019 12:01

Tgt Ion: 95 Resp: 339793  
Ion Ratio Lower Upper  
95 100  
174 88.7 0.0 180.0  
176 86.8 0.0 173.6

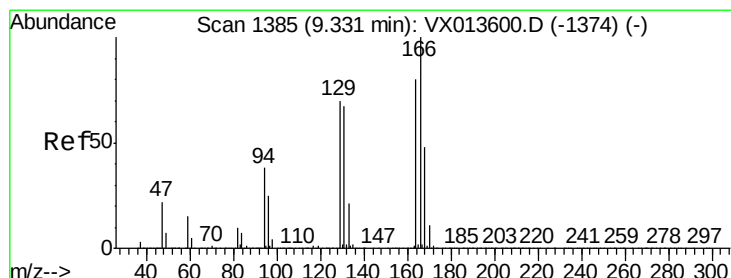
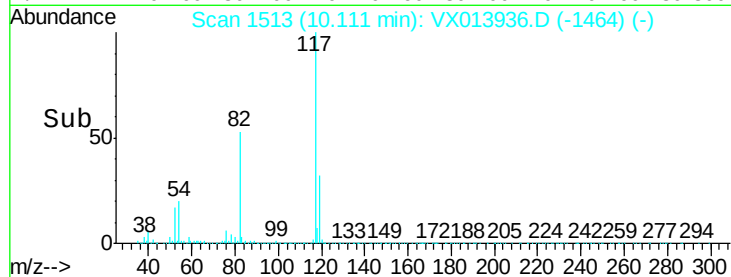
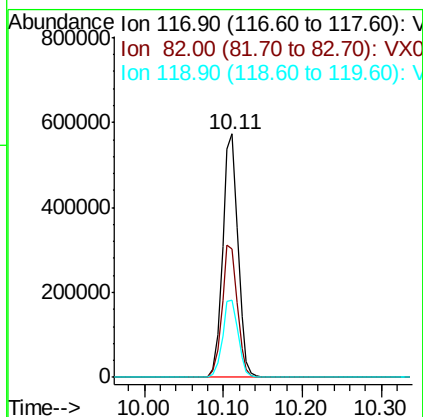
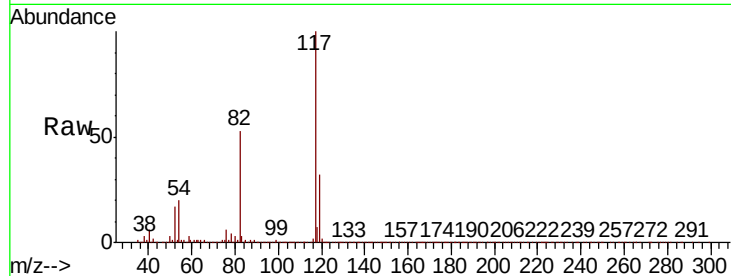




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013936.D  
Acq: 11 Dec 2019 12:01

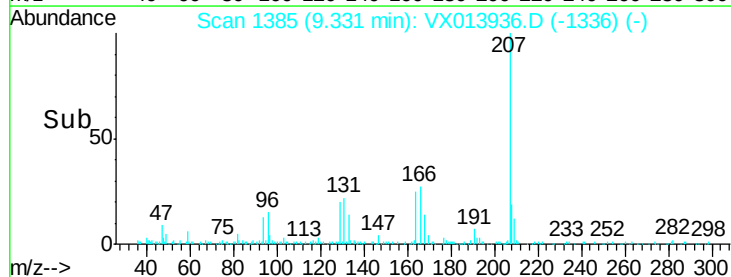
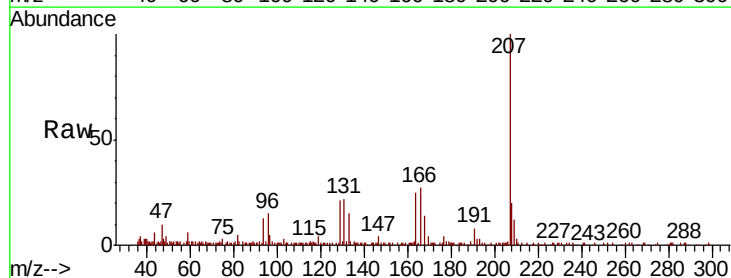
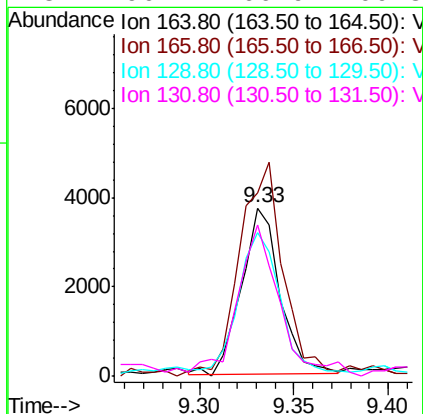
Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP02-20191204

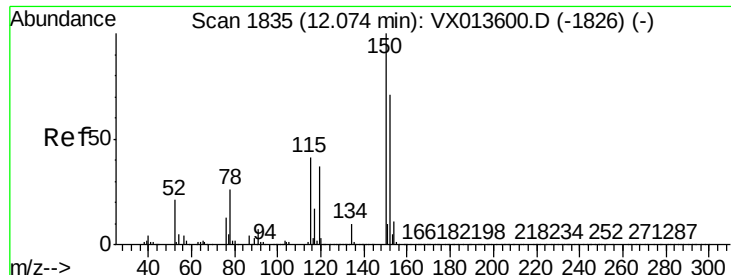
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.6  | 41.8  | 62.8  |
| 119     | 31.7  | 25.8  | 38.8  |



#64  
Tetrachloroethene  
Concen: 0.927 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX013936.D  
Acq: 11 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 108.1 | 99.7  | 149.5 |
| 129     | 83.7  | 70.1  | 105.1 |
| 131     | 90.1  | 66.9  | 100.3 |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013936.D

Acq: 11 Dec 2019 12:01

Instrument :

MSVOA\_X

ClientSampleId :

DUP02-20191204

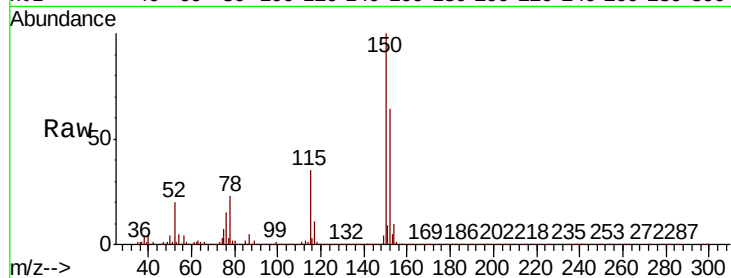
Tot Ion:152 Resp: 343097

Ion Ratio Lower Upper

152 100

115 55.5 38.4 115.1

150 155.8 0.0 346.8



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

