

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\  
 Data File : VX014064.D  
 Acq On : 17 Dec 2019 20:06  
 Operator : JC/SP  
 Sample : K6251-22  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE132D2-20191209

Quant Time: Dec 18 07:58:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 17 03:01:07 2019  
 Response via : Initial Calibration

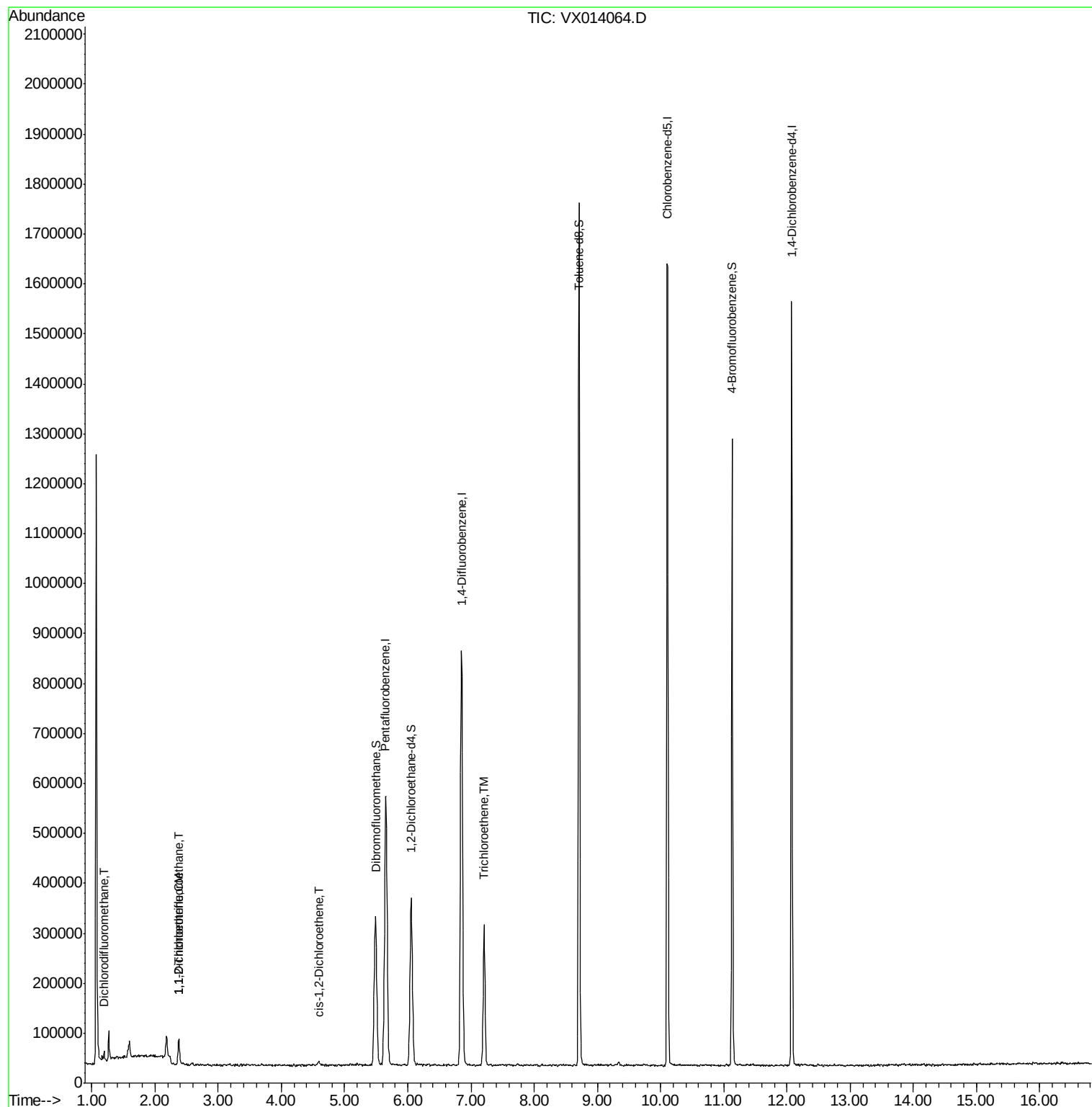
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene         | 5.65  | 168  | 563131   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.85  | 114  | 866572   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.11 | 117  | 769480   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.07 | 152  | 323523   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds   |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.05  | 65   | 318358   | 49.88  | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 99.76% |          |
| 35) Dibromofluoromethane      | 5.49  | 113  | 259693   | 49.30  | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 98.60% |          |
| 50) Toluene-d8                | 8.71  | 98   | 1022403  | 49.85  | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 99.70% |          |
| 62) 4-Bromofluorobenzene      | 11.14 | 95   | 333538   | 44.49  | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =      | 88.98% |          |
| Target Compounds              |       |      |          |        |        |          |
|                               |       |      |          |        | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.19  | 85   | 8115     | 1.611  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37  | 101  | 19729    | 3.706  | ug/l   | 98       |
| 12) 1,1-Dichloroethene        | 2.37  | 96   | 2463     | 0.455  | ug/l # | 68       |
| 27) cis-1,2-Dichloroethene    | 4.59  | 96   | 5437     | 0.806  | ug/l   | 82       |
| 44) Trichloroethene           | 7.20  | 130  | 114275   | 16.911 | ug/l   | 97       |

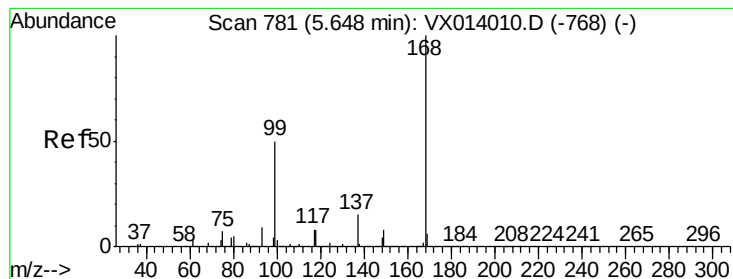
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121719\  
Data File : VX014064.D  
Acq On : 17 Dec 2019 20:06  
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MSVOA\_X  
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RE132D2-20191209

Quant Time: Dec 18 07:58:54 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 17 03:01:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014064.D

Acq: 17 Dec 2019 20:06

Instrument :

MSVOA\_X

ClientSampleId :

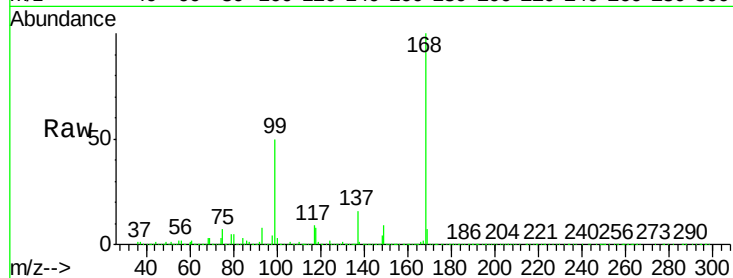
RE132D2-20191209

Tot Ion:168 Resp: 563131

Ion Ratio Lower Upper

168 100

99 49.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

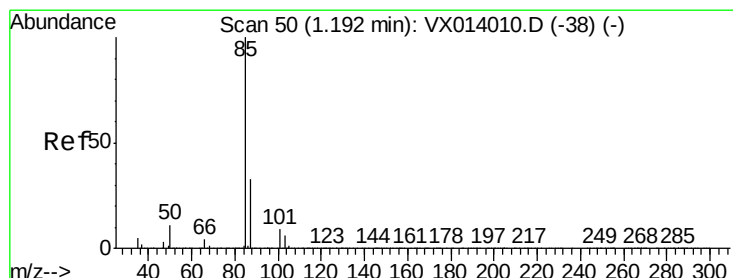
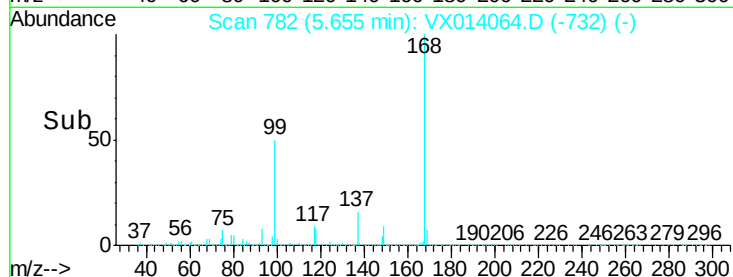
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.611 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014064.D

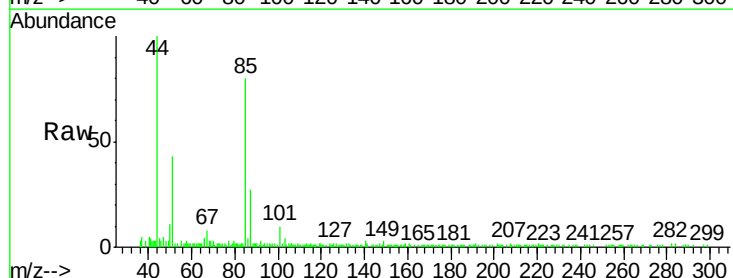
Acq: 17 Dec 2019 20:06

Tgt Ion: 85 Resp: 8115

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

8000

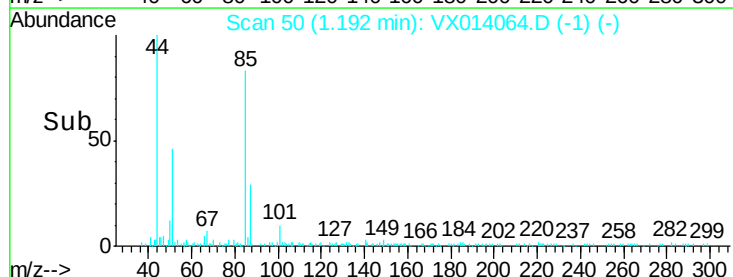
6000

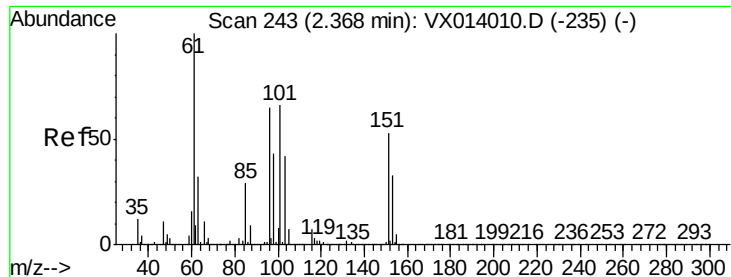
4000

2000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.706 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014064.D

Acq: 17 Dec 2019 20:06

Instrument :

MSVOA\_X

ClientSampleId :

RE132D2-20191209

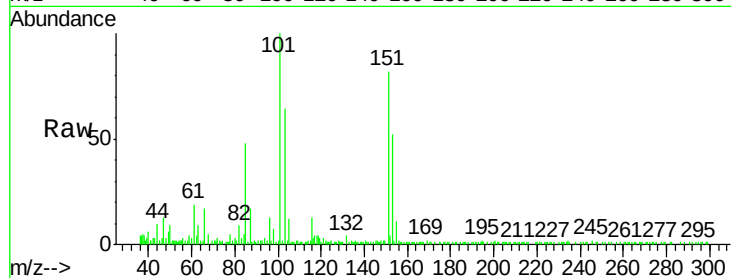
Tot Ion:101 Resp: 19729

Ion Ratio Lower Upper

101 100

85 43.6 33.7 50.5

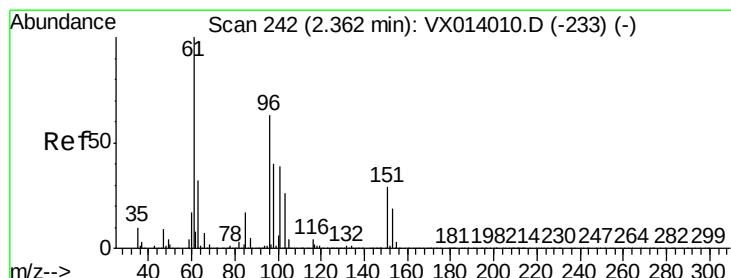
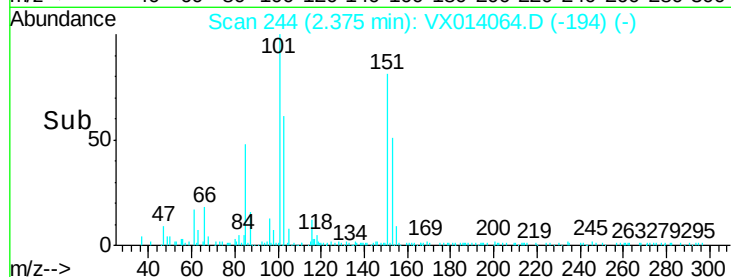
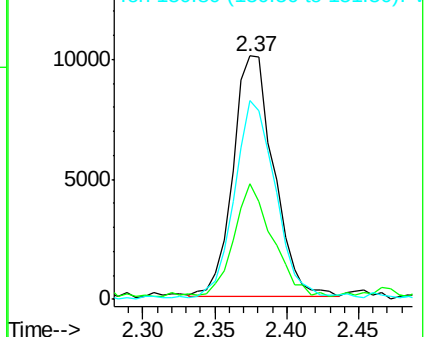
151 82.5 64.5 96.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 0.455 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014064.D

Acq: 17 Dec 2019 20:06

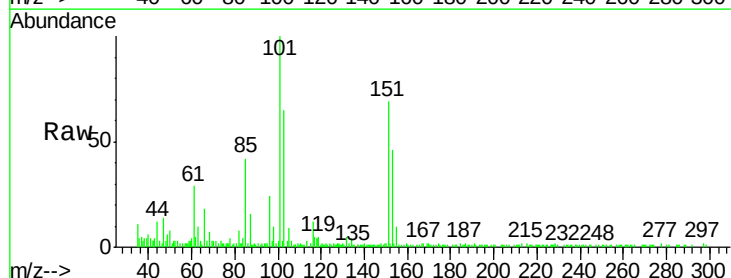
Tgt Ion: 96 Resp: 2463

Ion Ratio Lower Upper

96 100

61 115.9 127.9 191.9#

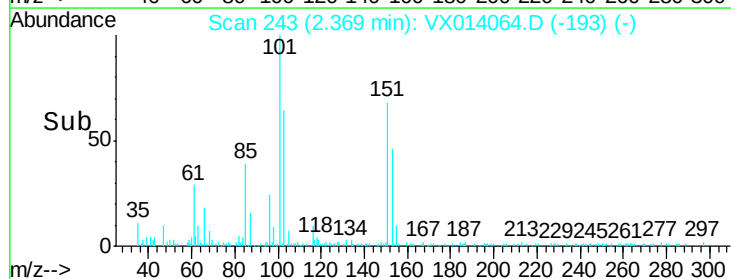
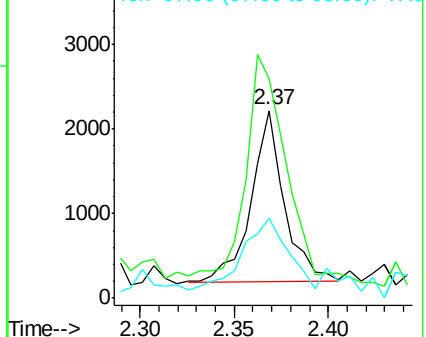
98 42.1 50.5 75.7#

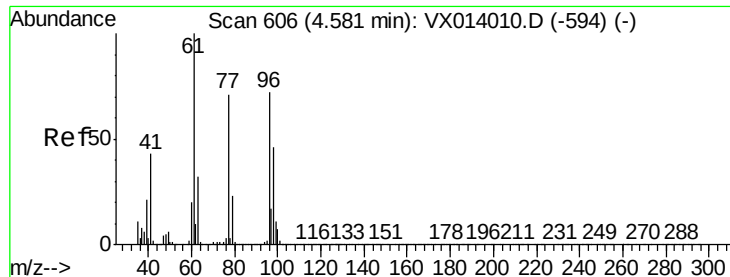


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



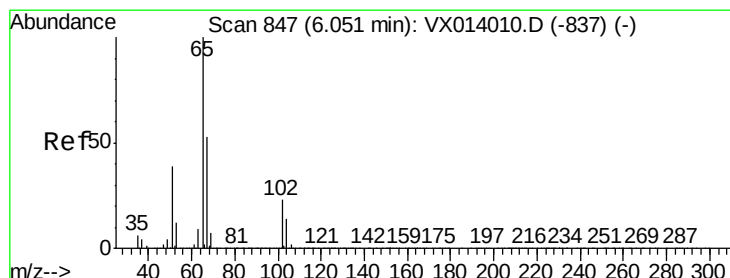
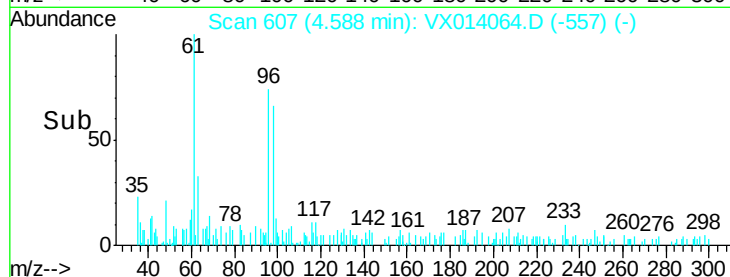
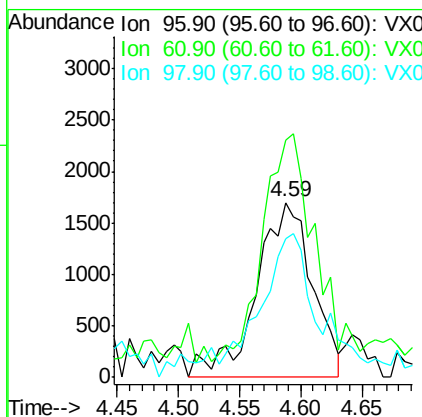
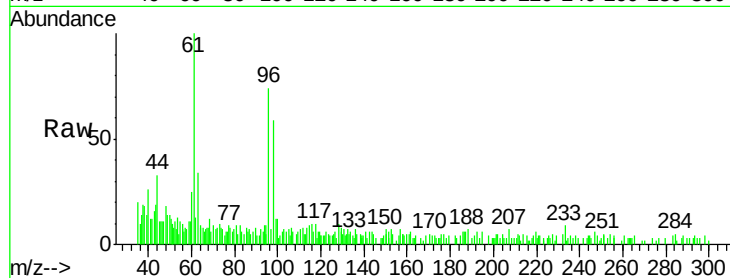


#27

cis-1,2-Dichloroethene  
Concen: 0.806 ug/l  
RT: 4.59 min Scan# 607  
Delta R.T. 0.01 min  
Lab File: VX014064.D  
Acq: 17 Dec 2019 20:06

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE132D2-20191209

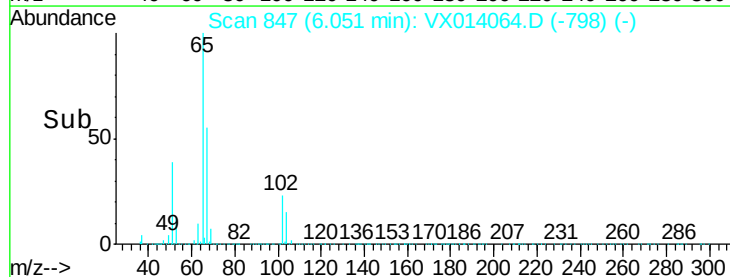
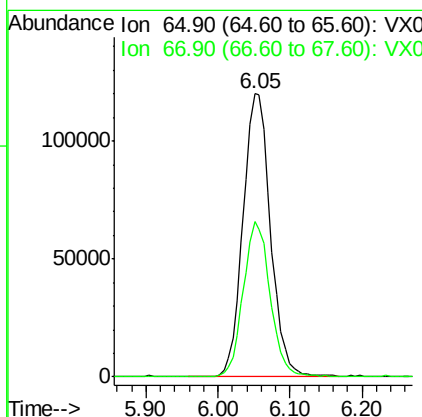
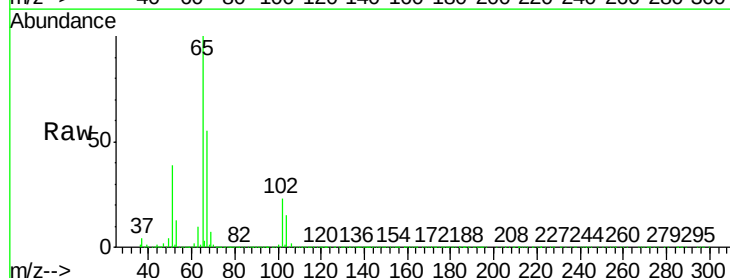
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 119.8 | 0.0   | 288.4 |
| 98      | 75.9  | 0.0   | 129.6 |

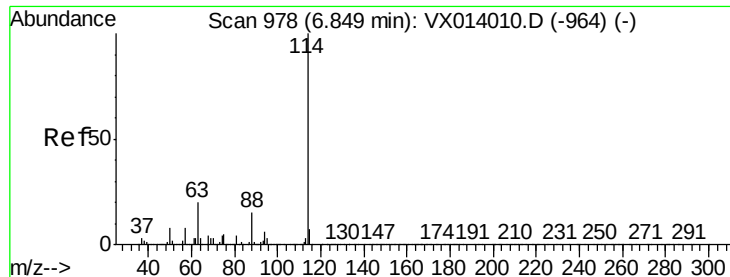


#33

1,2-Dichloroethane-d4  
Concen: 49.881 ug/l  
RT: 6.05 min Scan# 847  
Delta R.T. 0.00 min  
Lab File: VX014064.D  
Acq: 17 Dec 2019 20:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.9  | 0.0   | 106.4 |

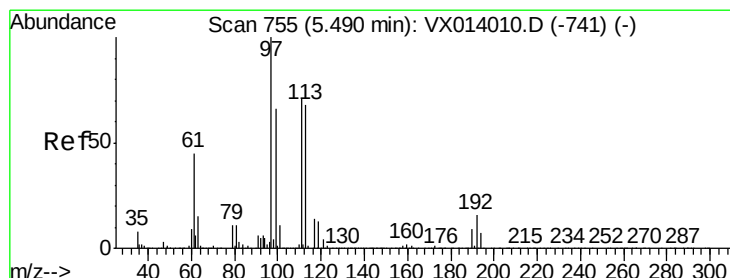
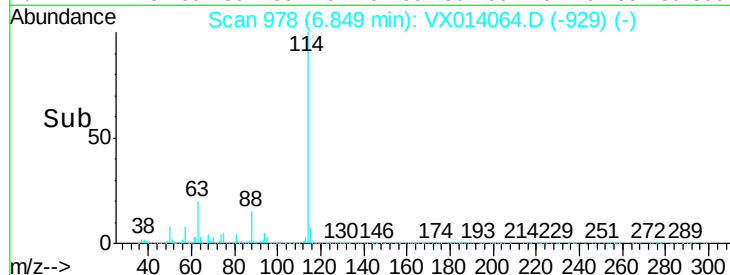
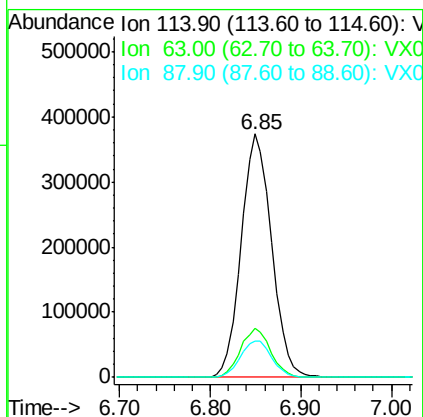
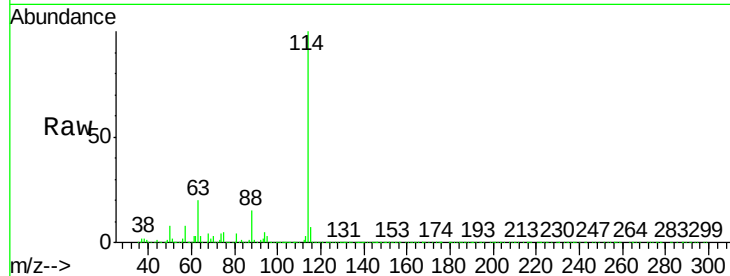




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX014064.D  
 Acq: 17 Dec 2019 20:06

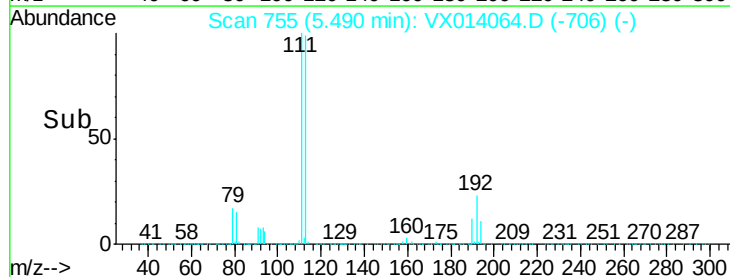
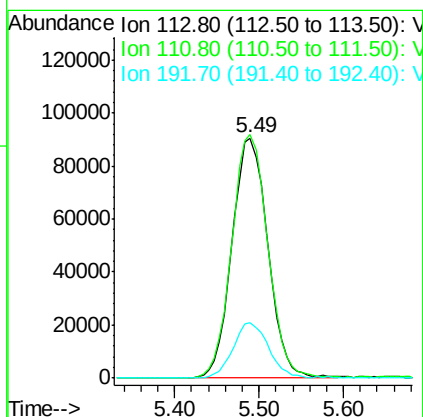
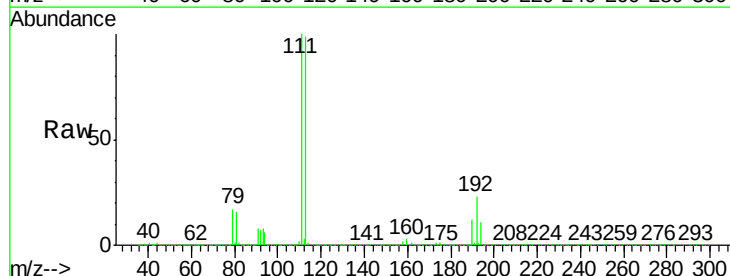
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE132D2-20191209

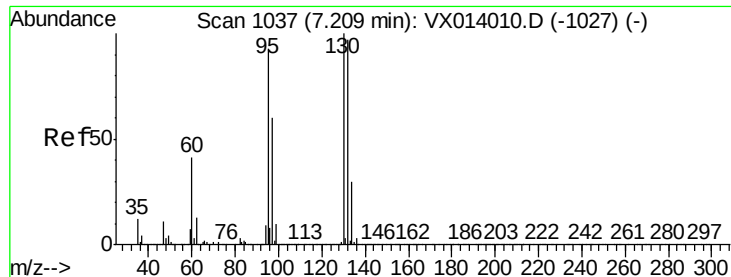
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.1  | 0.0   | 40.8  |
| 88      | 14.9  | 0.0   | 30.4  |



#35  
 Dibromofluoromethane  
 Concen: 49.298 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. 0.00 min  
 Lab File: VX014064.D  
 Acq: 17 Dec 2019 20:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.0  | 123.0 |
| 192     | 23.3  | 19.3  | 28.9  |





#44

Trichloroethene

Concen: 16.911 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014064.D

Acq: 17 Dec 2019 20:06

Instrument :

MSVOA\_X

ClientSampleId :

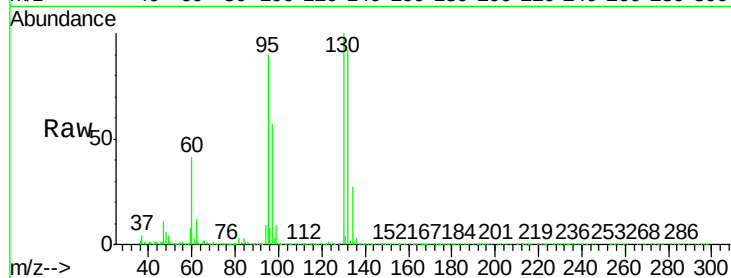
RE132D2-20191209

Tot Ion:130 Resp: 114275

Ion Ratio Lower Upper

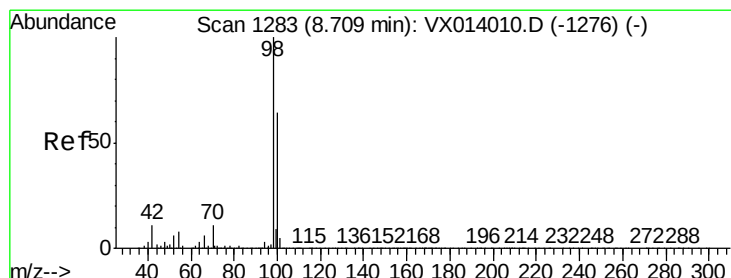
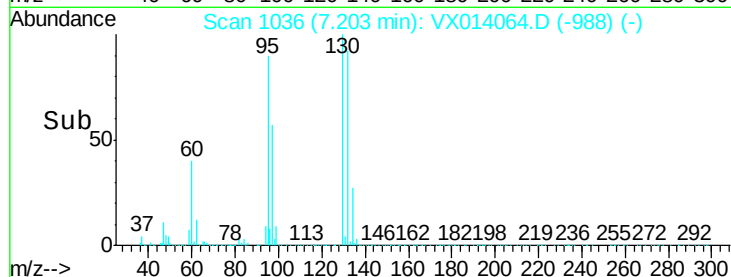
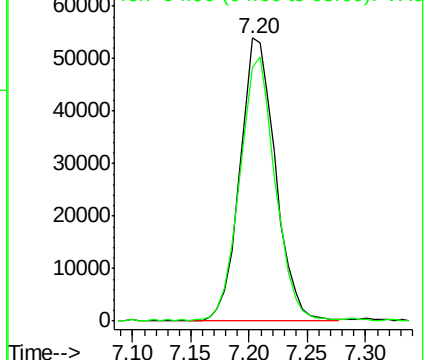
130 100

95 89.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.852 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014064.D

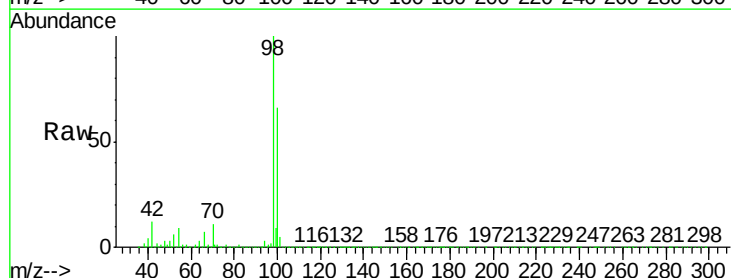
Acq: 17 Dec 2019 20:06

Tgt Ion: 98 Resp: 1022403

Ion Ratio Lower Upper

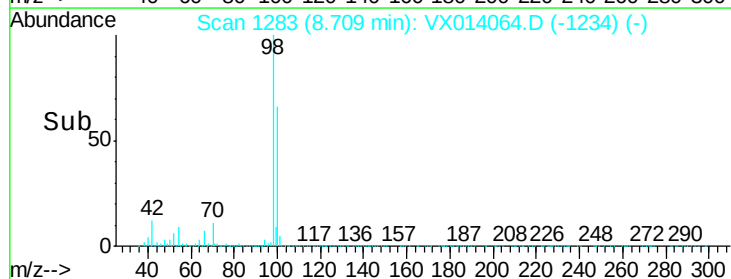
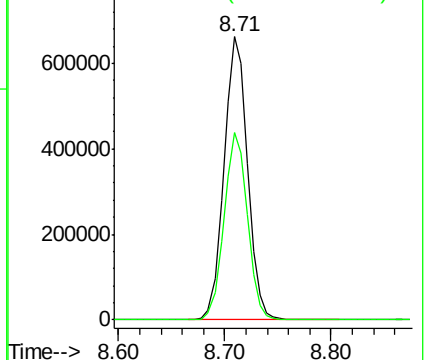
98 100

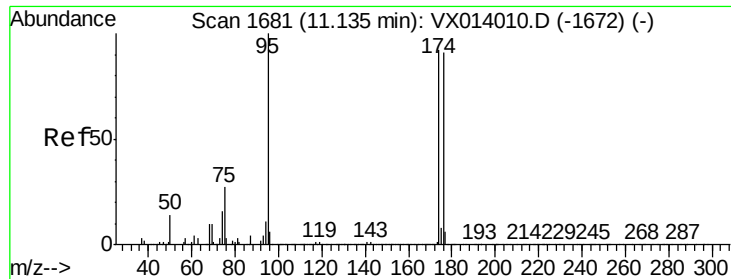
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.490 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014064.D

Acq: 17 Dec 2019 20:06

Instrument :

MSVOA\_X

ClientSampleId :

RE132D2-20191209

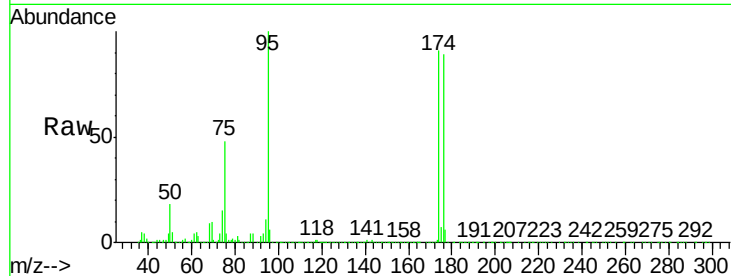
Tot Ion: 95 Resp: 333538

Ion Ratio Lower Upper

95 100

174 88.2 0.0 175.8

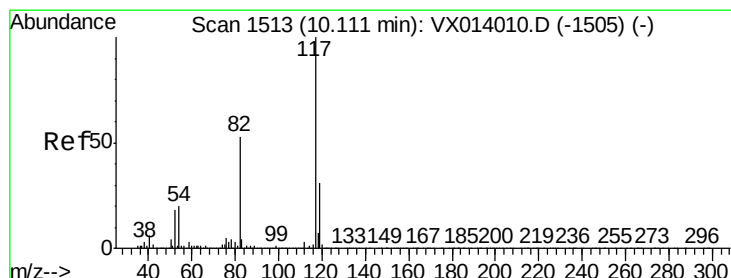
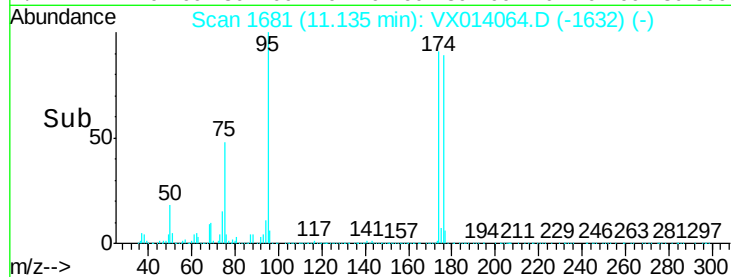
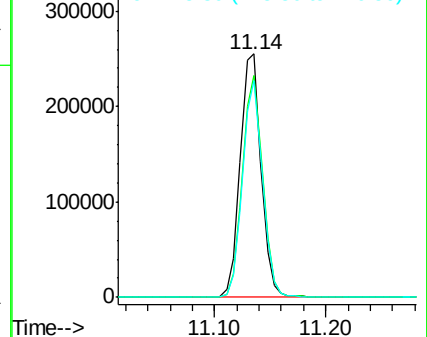
176 85.2 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014064.D

Acq: 17 Dec 2019 20:06

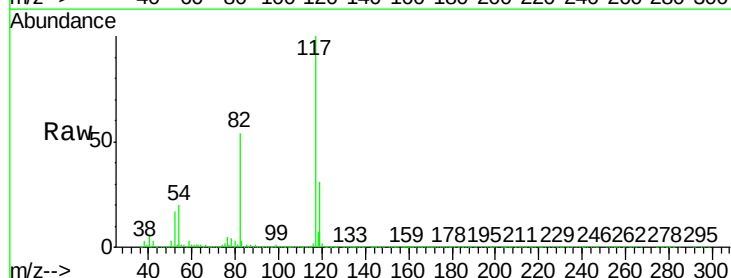
Tgt Ion: 117 Resp: 769480

Ion Ratio Lower Upper

117 100

82 53.7 42.2 63.4

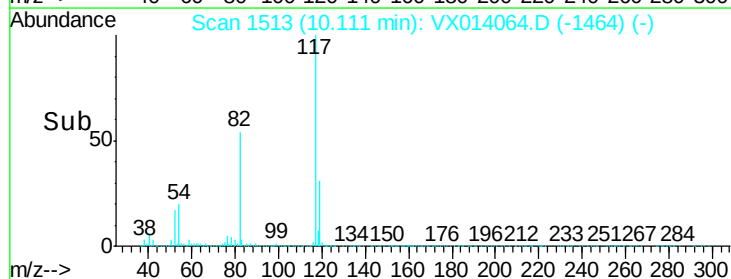
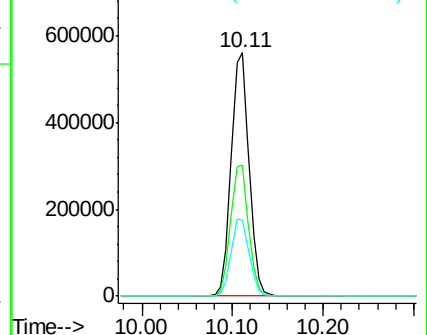
119 31.2 25.1 37.7



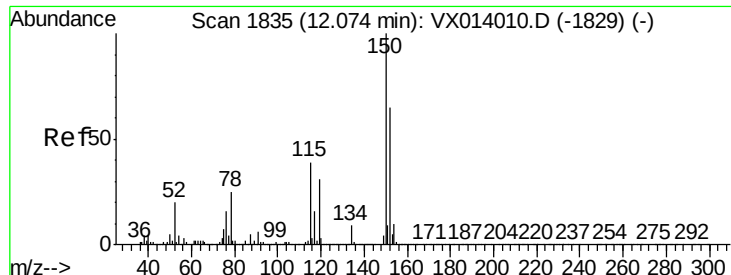
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014064.D

Acq: 17 Dec 2019 20:06

Instrument :

MSVOA\_X

ClientSampleId :

RE132D2-20191209

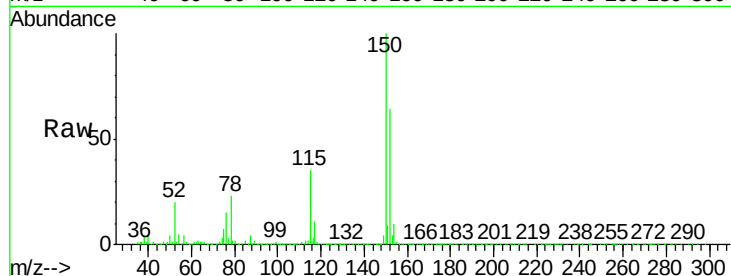
Tot Ion:152 Resp: 323523

Ion Ratio Lower Upper

152 100

115 55.0 38.3 114.9

150 155.6 0.0 345.4



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

