

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\  
 Data File : VX014039.D  
 Acq On : 16 Dec 2019 16:47  
 Operator : JC/SP  
 Sample : K6251-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE139D1-20191206

Quant Time: Dec 17 04:49:51 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

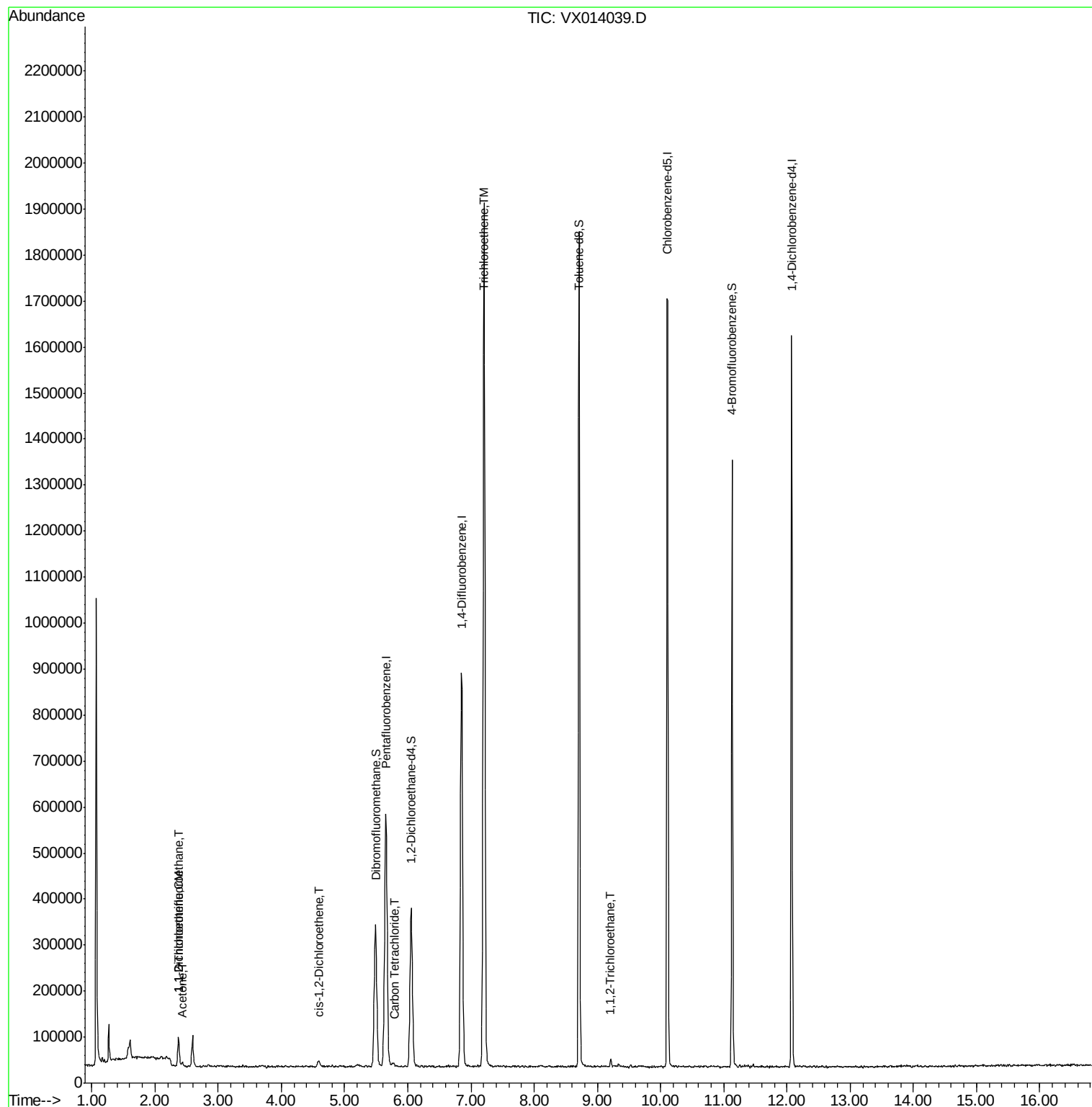
| Internal Standards            | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene         | 5.65  | 168  | 575687   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.85  | 114  | 903010   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.11 | 117  | 793186   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.07 | 152  | 331297   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds   |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.06  | 65   | 324116   | 49.68   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 99.36% |          |
| 35) Dibromofluoromethane      | 5.49  | 113  | 262600   | 47.84   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 95.68% |          |
| 50) Toluene-d8                | 8.71  | 98   | 1057030  | 49.46   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 98.92% |          |
| 62) 4-Bromofluorobenzene      | 11.14 | 95   | 350173   | 44.82   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 89.64% |          |
| Target Compounds              |       |      |          |         |        |          |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38  | 101  | 17193    | 3.159   | ug/l   | 92       |
| 12) 1,1-Dichloroethene        | 2.37  | 96   | 11969    | 2.161   | ug/l   | 97       |
| 16) Acetone                   | 2.43  | 43   | 9354     | 2.208   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene    | 4.59  | 96   | 9257     | 1.342   | ug/l   | 84       |
| 38) Carbon Tetrachloride      | 5.79  | 117  | 6175     | 0.818   | ug/l # | 76       |
| 44) Trichloroethene           | 7.20  | 130  | 748022   | 106.228 | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.21  | 97   | 5411     | 0.838   | ug/l # | 79       |

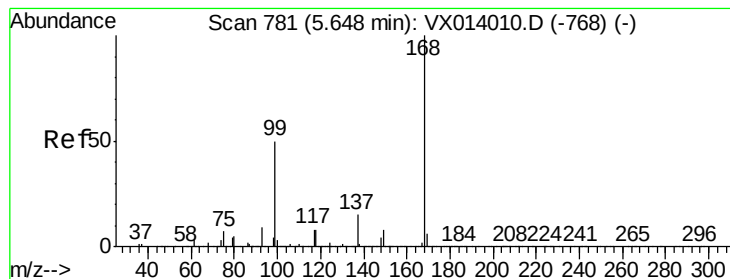
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121619\  
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Quant Time: Dec 17 04:49:51 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: VX014039.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA\_X

ClientSampleId :

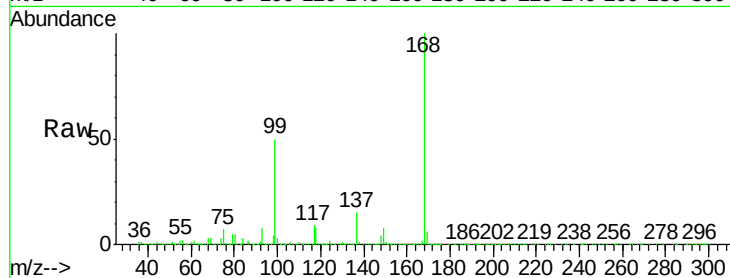
RE139D1-20191206

Tot Ion:168 Resp: 575687

Ion Ratio Lower Upper

168 100

99 50.1 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

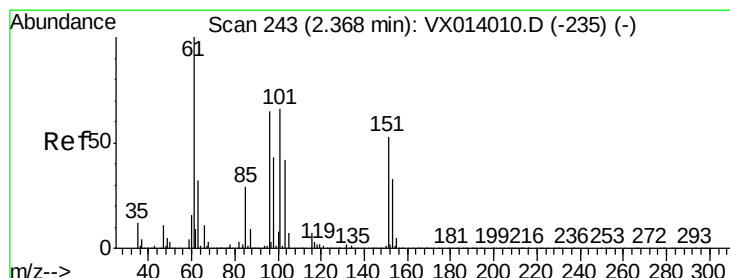
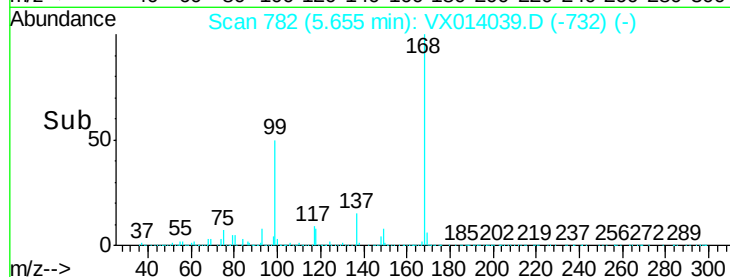
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.159 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014039.D

Acq: 16 Dec 2019 16:47

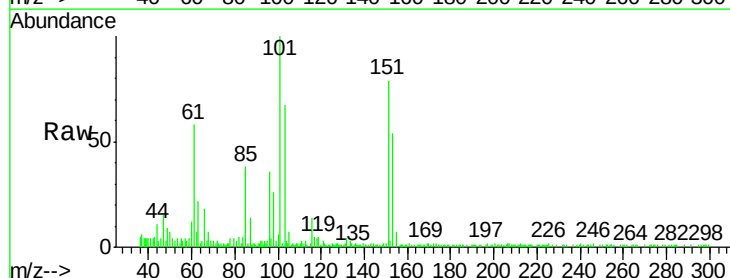
Tgt Ion:101 Resp: 17193

Ion Ratio Lower Upper

101 100

85 48.0 33.7 50.5

151 74.6 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

2.38

10000

8000

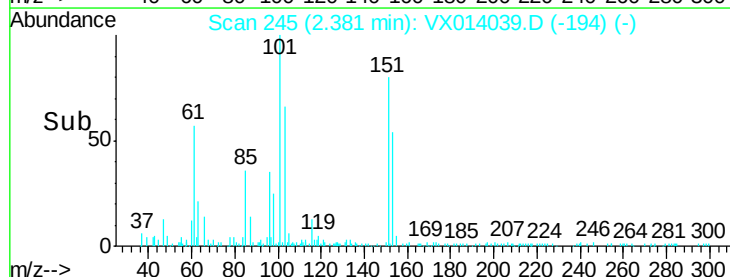
6000

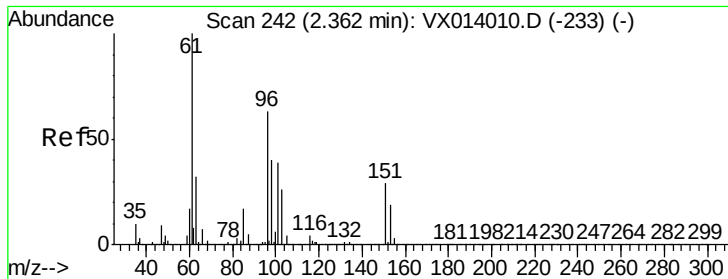
4000

2000

0

Time-->





#12

1,1-Dichloroethene

Concen: 2.161 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014039.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA\_X

ClientSampleId :

RE139D1-20191206

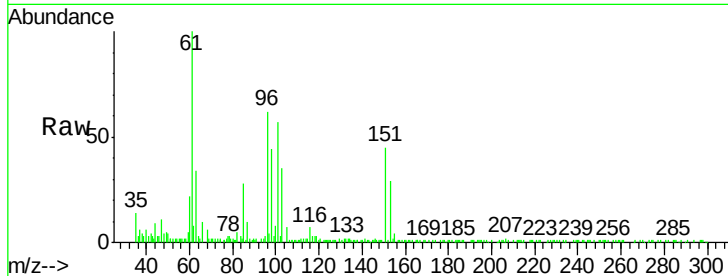
Tot Ion: 96 Resp: 11969

Ion Ratio Lower Upper

96 100

61 161.5 127.9 191.9

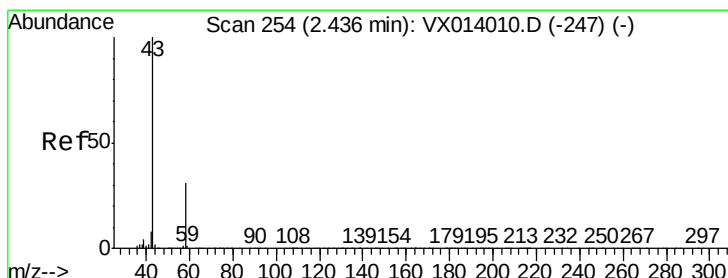
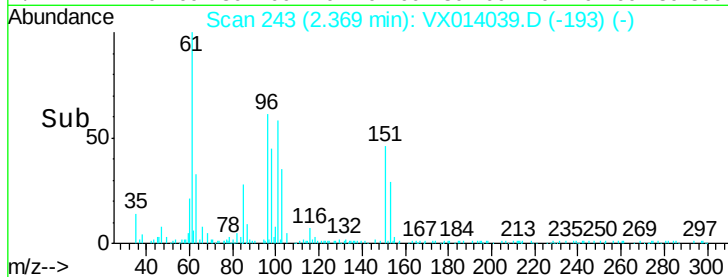
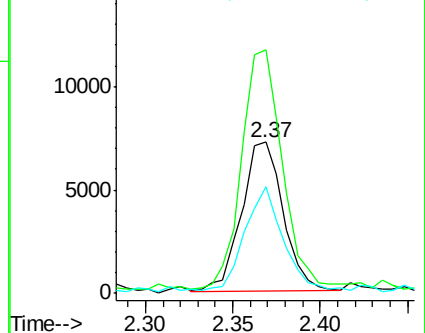
98 69.3 50.5 75.7



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



#16

Acetone

Concen: 2.208 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014039.D

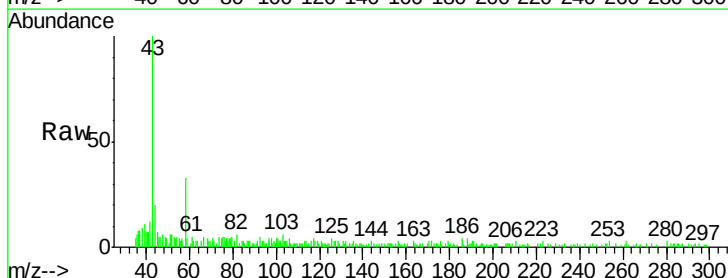
Acq: 16 Dec 2019 16:47

Tgt Ion: 43 Resp: 9354

Ion Ratio Lower Upper

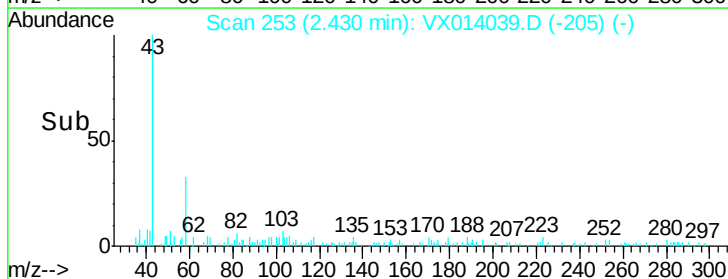
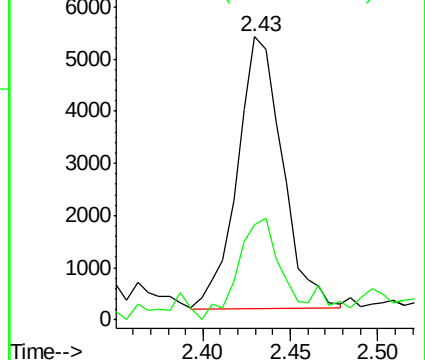
43 100

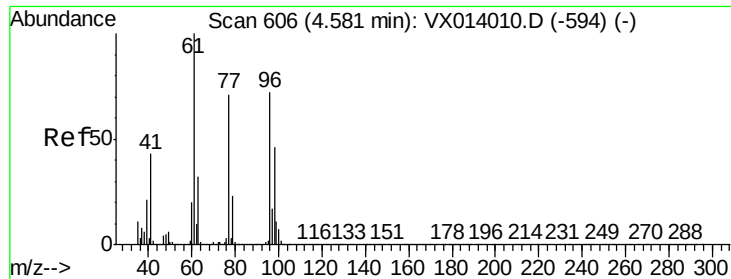
58 30.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



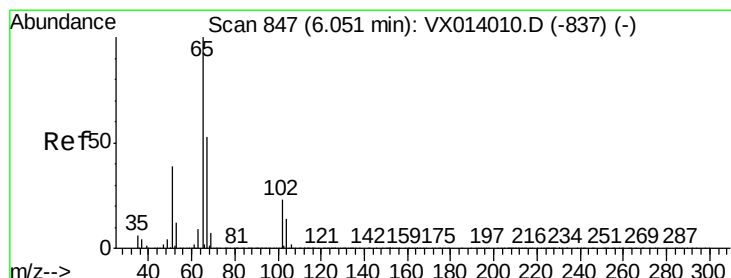
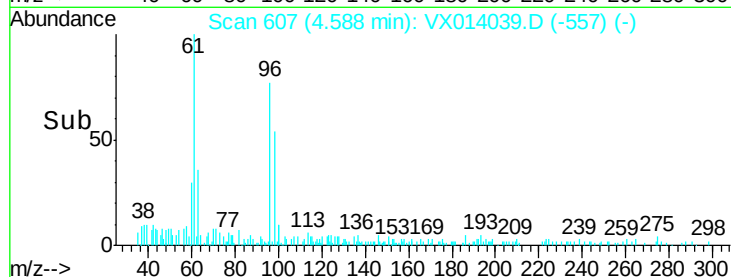
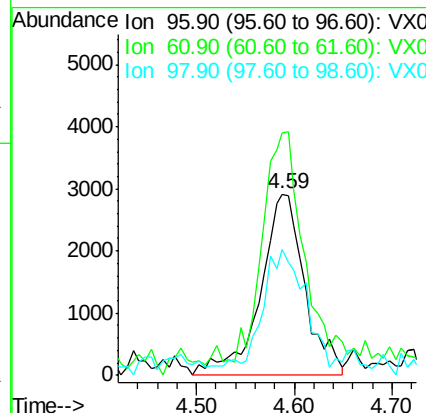
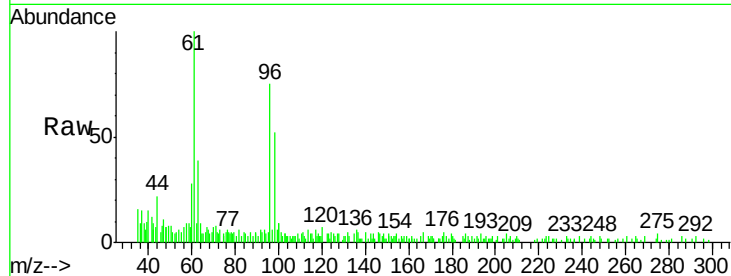


#27

cis-1,2-Dichloroethene  
Concen: 1.342 ug/l  
RT: 4.59 min Scan# 607  
Delta R.T. 0.01 min  
Lab File: VX014039.D  
Acq: 16 Dec 2019 16:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D1-20191206

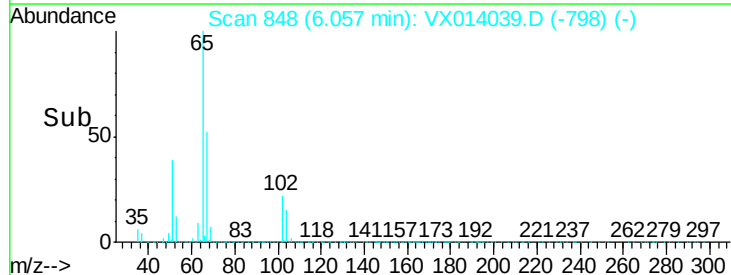
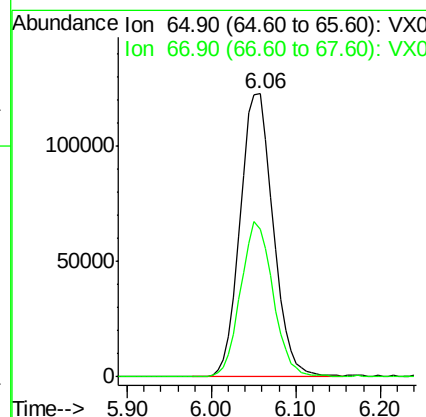
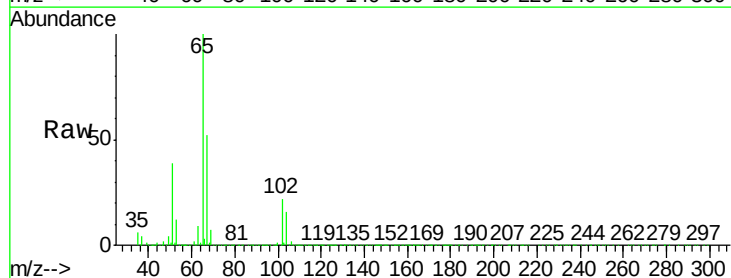
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 117.1 | 0.0   | 288.4 |
| 98      | 66.4  | 0.0   | 129.6 |

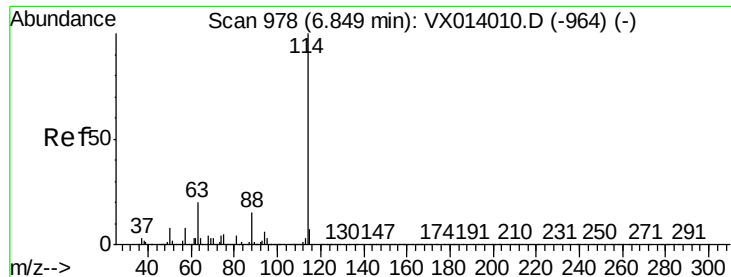


#33

1,2-Dichloroethane-d4  
Concen: 49.676 ug/l  
RT: 6.06 min Scan# 848  
Delta R.T. 0.01 min  
Lab File: VX014039.D  
Acq: 16 Dec 2019 16:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 54.1  | 0.0   | 106.4 |

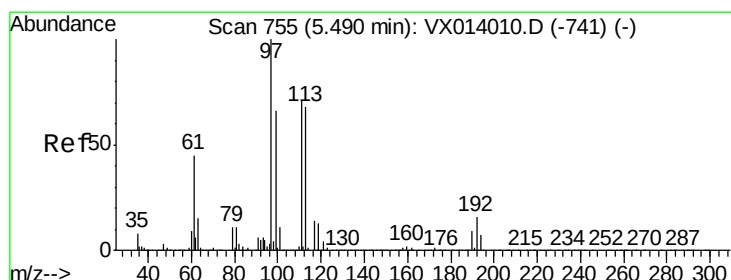
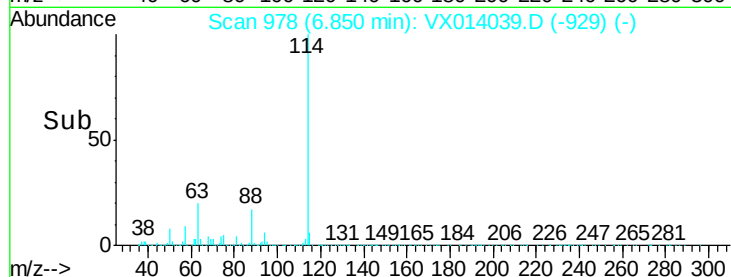
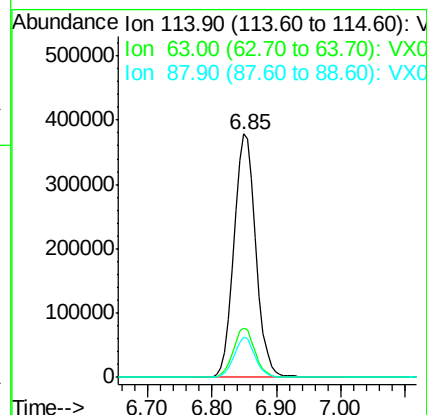
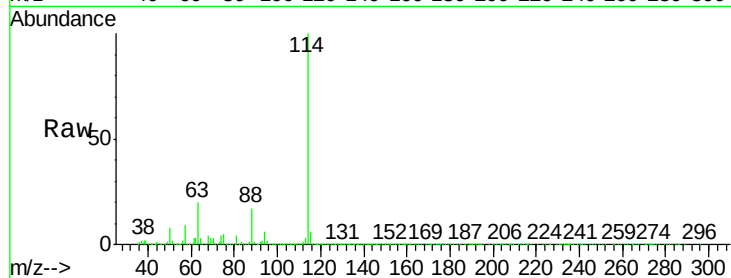




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.85 min Scan# 978  
Delta R.T. 0.00 min  
Lab File: VX014039.D  
Acq: 16 Dec 2019 16:47

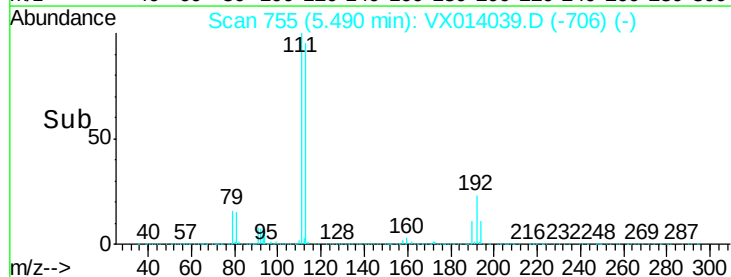
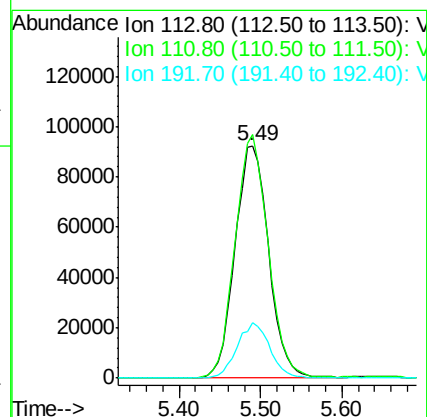
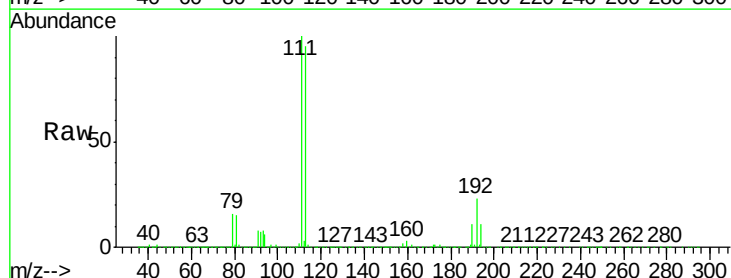
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D1-20191206

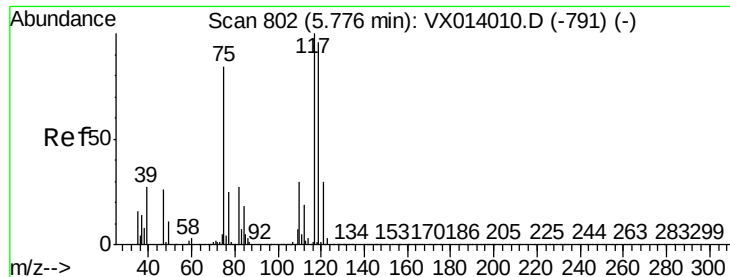
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.3  | 0.0   | 40.8  |
| 88      | 16.7  | 0.0   | 30.4  |



#35  
Dibromofluoromethane  
Concen: 47.838 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. 0.00 min  
Lab File: VX014039.D  
Acq: 16 Dec 2019 16:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 82.0  | 123.0 |
| 192     | 23.5  | 19.3  | 28.9  |





#38

Carbon Tetrachloride

Concen: 0.818 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.01 min

Lab File: VX014039.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA\_X

ClientSampleId :

RE139D1-20191206

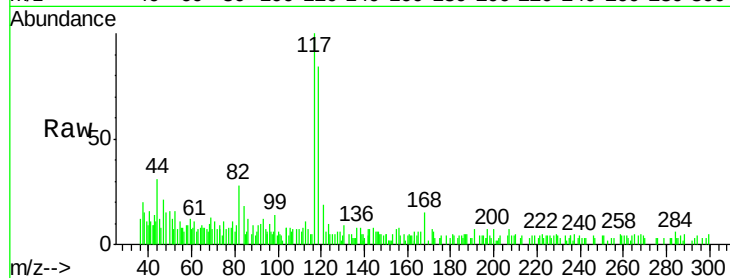
Tot Ion:117 Resp: 6175

Ion Ratio Lower Upper

117 100

119 76.2 76.2 114.4#

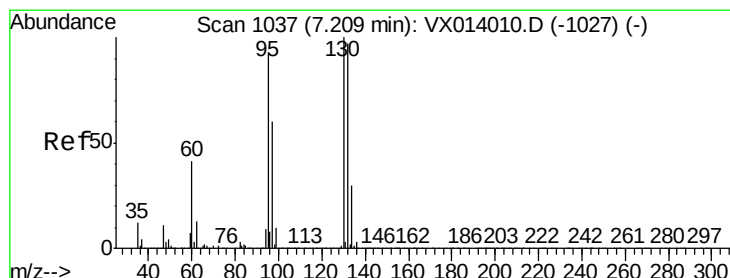
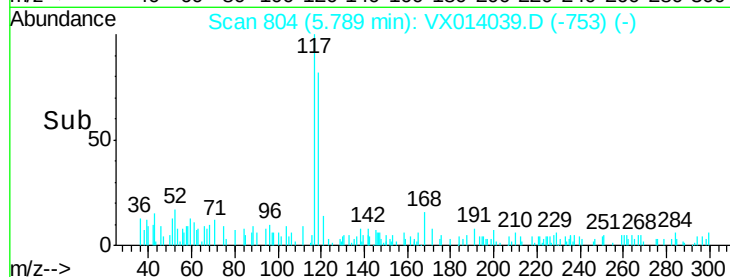
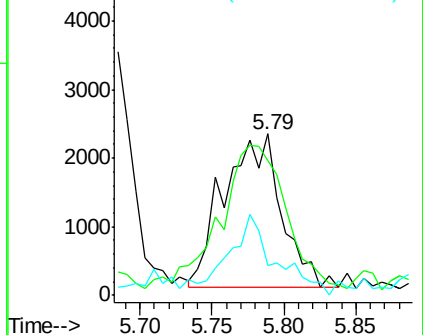
121 9.9 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 106.228 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014039.D

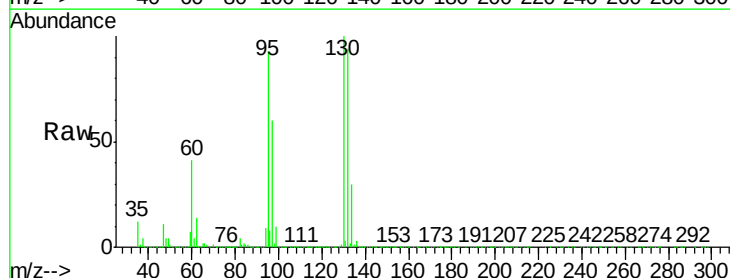
Acq: 16 Dec 2019 16:47

Tgt Ion:130 Resp: 748022

Ion Ratio Lower Upper

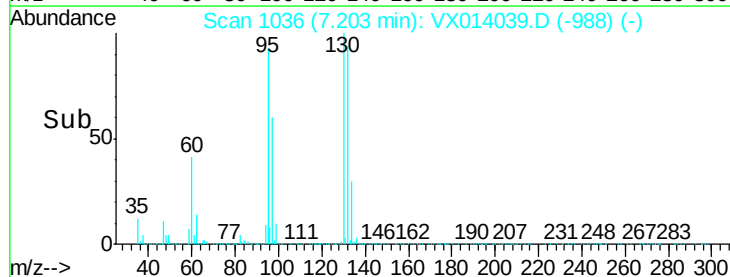
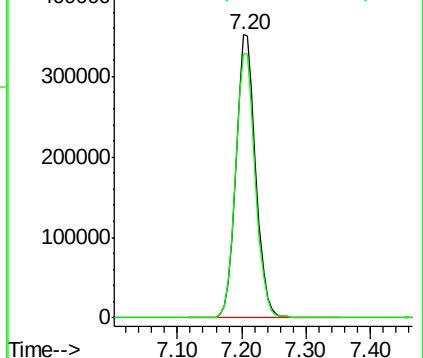
130 100

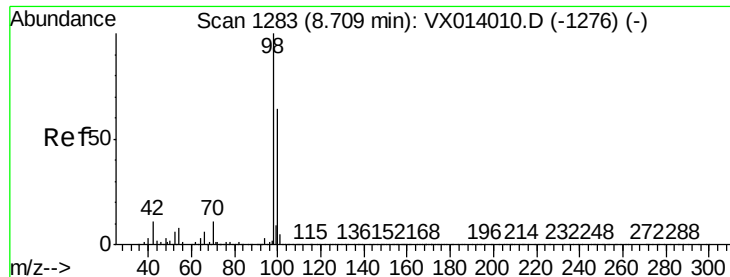
95 93.4 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.460 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014039.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA\_X

ClientSampleId :

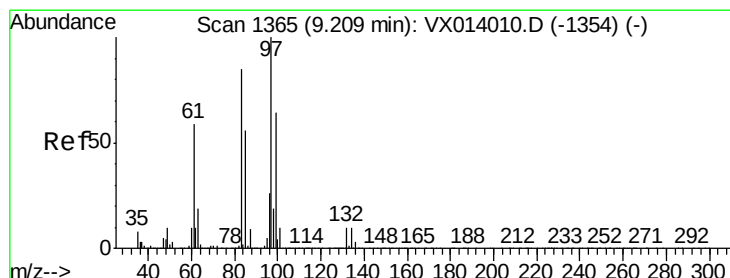
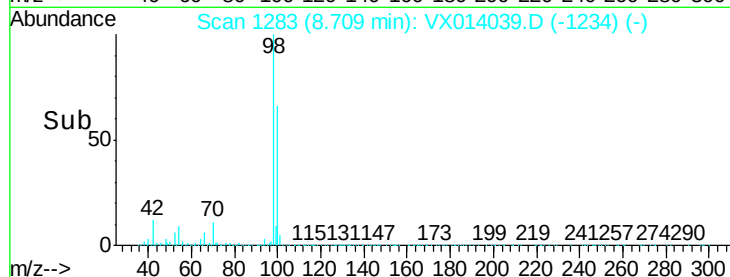
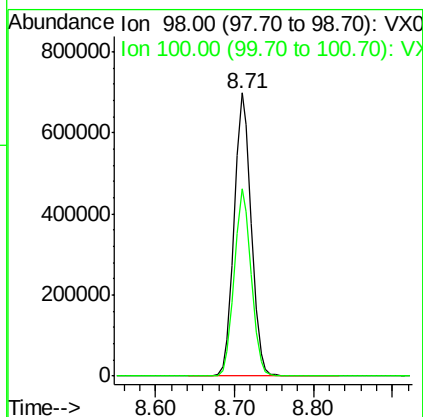
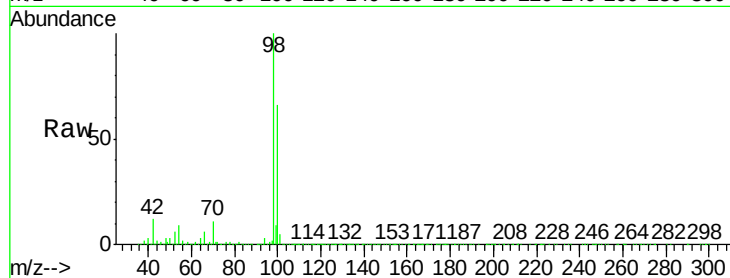
RE139D1-20191206

Tot Ion: 98 Resp: 1057030

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#55

1,1,2-Trichloroethane

Concen: 0.838 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014039.D

Acq: 16 Dec 2019 16:47

Tgt Ion: 97 Resp: 5411

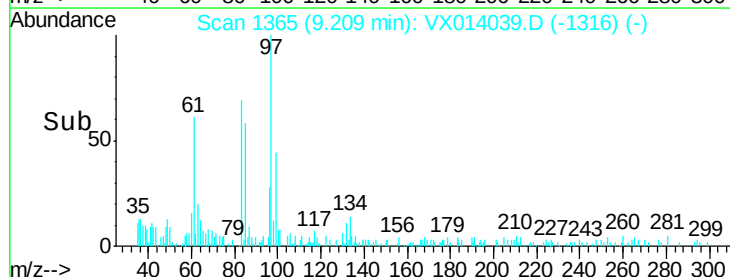
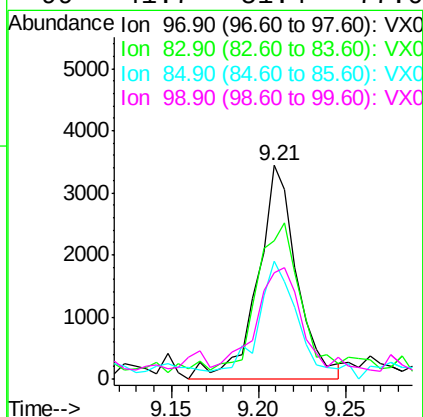
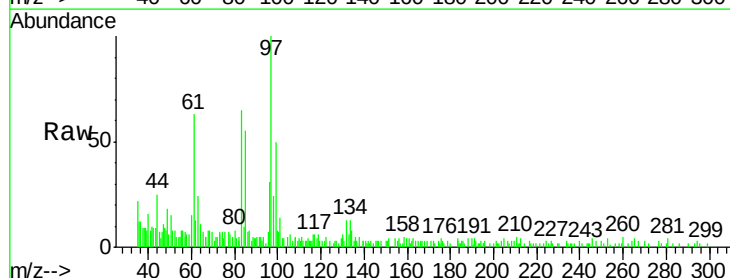
Ion Ratio Lower Upper

97 100

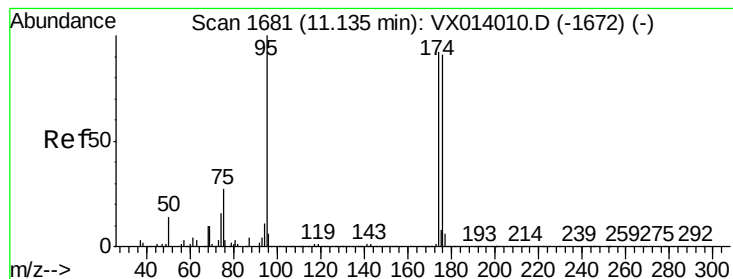
83 60.8 68.2 102.4#

85 52.5 44.6 66.8

99 41.7 51.4 77.0#







#62

4-Bromofluorobenzene

Concen: 44.824 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014039.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA\_X

ClientSampleId :

RE139D1-20191206

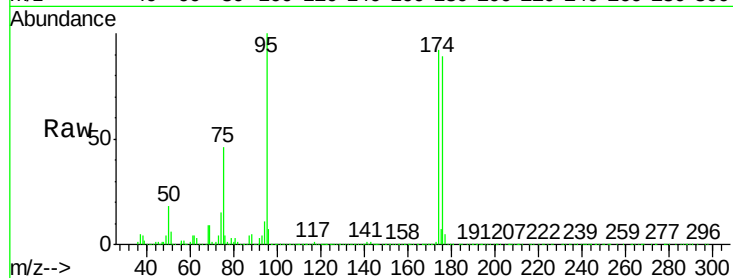
Tot Ion: 95 Resp: 350173

Ion Ratio Lower Upper

95 100

174 88.6 0.0 175.8

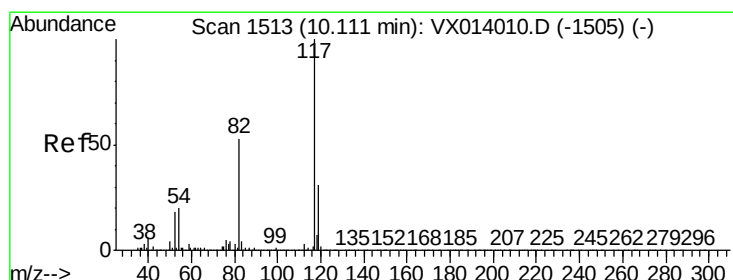
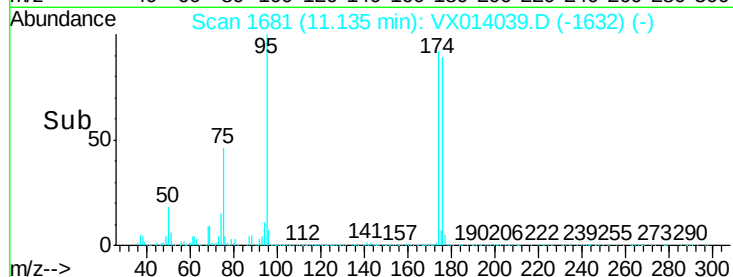
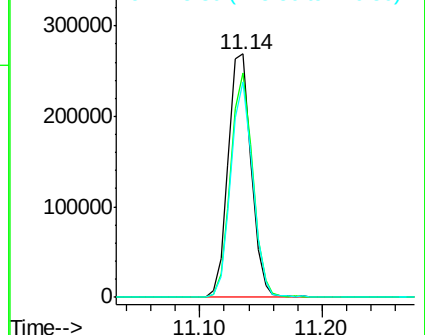
176 84.4 0.0 173.0



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: VX014039.D

Acq: 16 Dec 2019 16:47

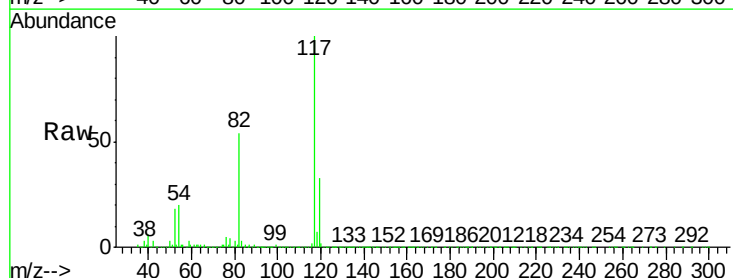
Tgt Ion: 117 Resp: 793186

Ion Ratio Lower Upper

117 100

82 53.8 42.2 63.4

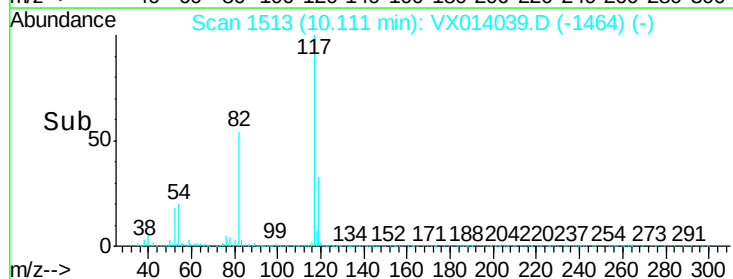
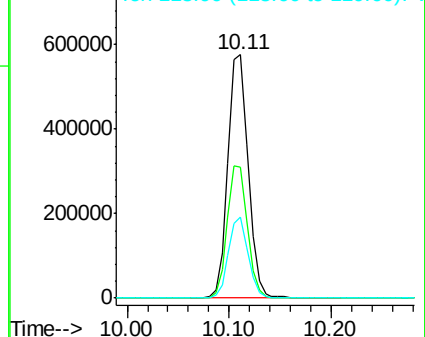
119 33.1 25.1 37.7

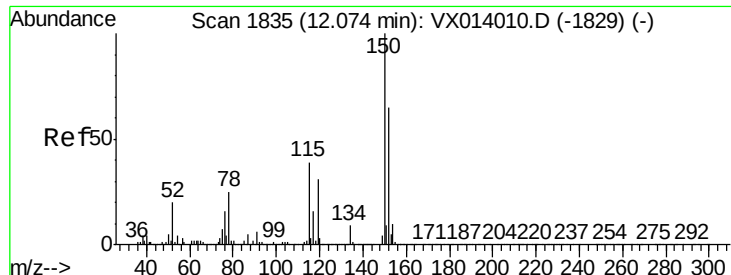


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX014039.D

Acq: 16 Dec 2019 16:47

Instrument :

MSVOA\_X

ClientSampleId :

RE139D1-20191206

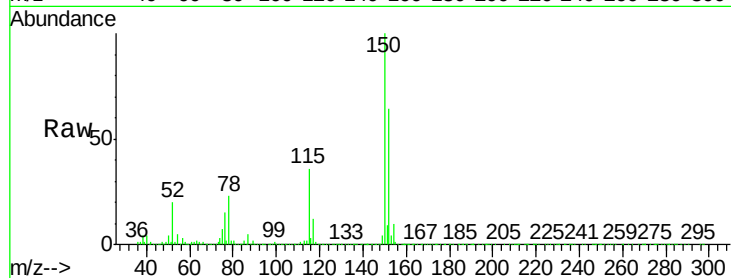
Tot Ion:152 Resp: 331297

Ion Ratio Lower Upper

152 100

115 56.2 38.3 114.9

150 157.2 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

