

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\  
 Data File : VX015262.D  
 Acq On : 13 Mar 2020 16:05  
 Operator : JC/SP  
 Sample : L1903-18  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT101D2-20200310

Quant Time: Mar 16 09:24:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

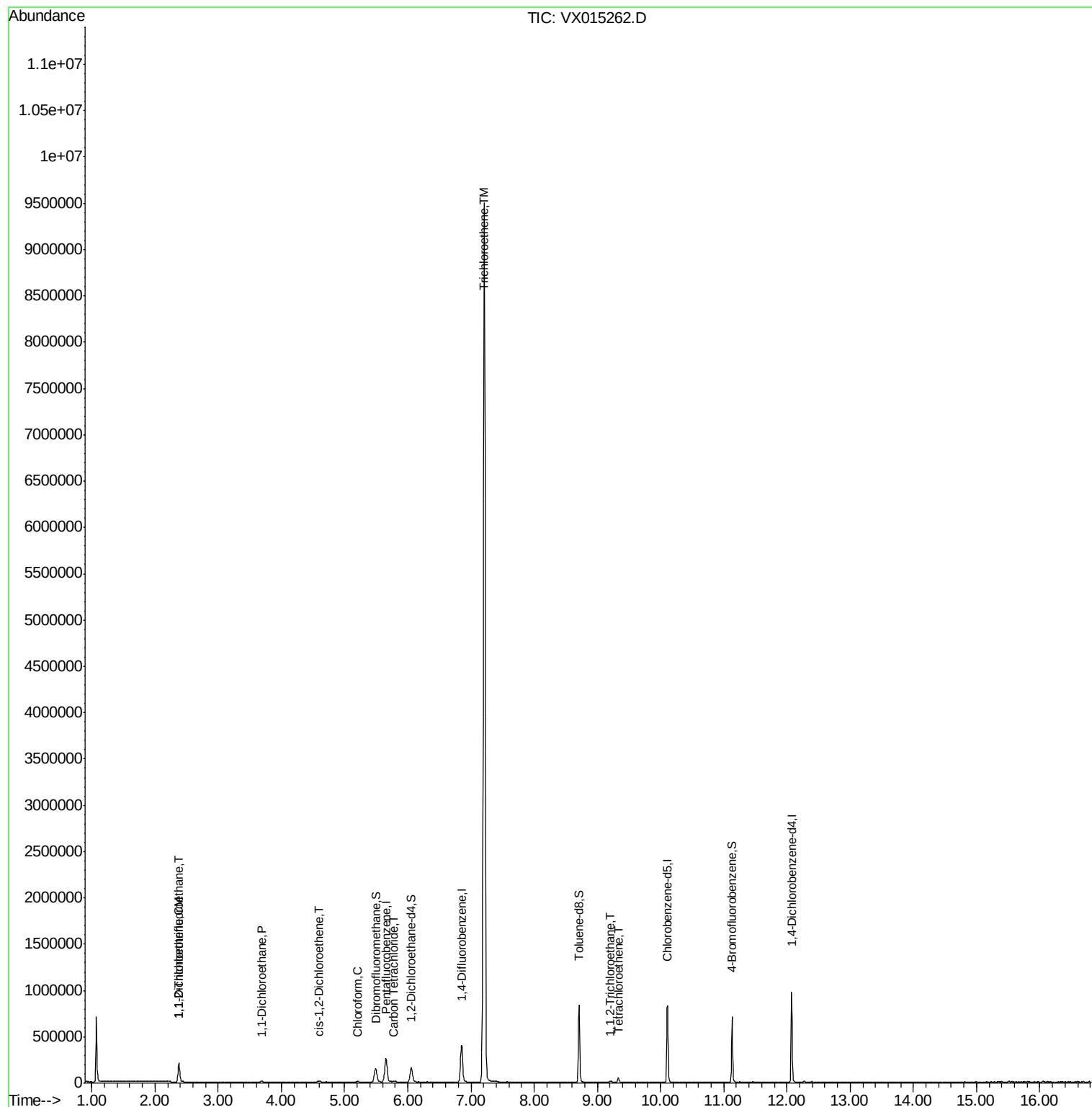
| Internal Standards            | R.T.  | QIon | Response | Conc     | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|----------|---------|----------|
| 1) Pentafluorobenzene         | 5.65  | 168  | 258731   | 50.00    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.85  | 114  | 409676   | 50.00    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 10.11 | 117  | 396891   | 50.00    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.07 | 152  | 209025   | 50.00    | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |          |         |          |
| 33) 1,2-Dichloroethane-d4     | 6.06  | 65   | 146857   | 47.84    | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =        | 95.68%  |          |
| 35) Dibromofluoromethane      | 5.49  | 113  | 125761   | 48.66    | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =        | 97.32%  |          |
| 50) Toluene-d8                | 8.71  | 98   | 491031   | 49.95    | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =        | 99.90%  |          |
| 62) 4-Bromofluorobenzene      | 11.13 | 95   | 186576   | 53.21    | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =        | 106.42% |          |
| Target Compounds              |       |      |          |          |         |          |
|                               |       |      |          |          | Qvalue  |          |
| 9) 1,1,2-Trichlorotrifluoroet | 2.38  | 101  | 68644    | 28.177   | ug/l    | 98       |
| 12) 1,1-Dichloroethene        | 2.37  | 96   | 18134    | 7.212    | ug/l    | 97       |
| 24) 1,1-Dichloroethane        | 3.69  | 63   | 7345     | 1.515    | ug/l #  | 90       |
| 27) cis-1,2-Dichloroethene    | 4.59  | 96   | 8060     | 2.676    | ug/l    | 96       |
| 30) Chloroform                | 5.20  | 83   | 5440     | 1.151    | ug/l    | 90       |
| 38) Carbon Tetrachloride      | 5.78  | 117  | 5237     | 1.465    | ug/l #  | 82       |
| 44) Trichloroethene           | 7.21  | 130  | 3766870  | 1203.759 | ug/l    | 96       |
| 55) 1,1,2-Trichloroethane     | 9.21  | 97   | 2812     | 0.994    | ug/l    | 95       |
| 64) Tetrachloroethene         | 9.33  | 164  | 9736     | 2.967    | ug/l    | 95       |

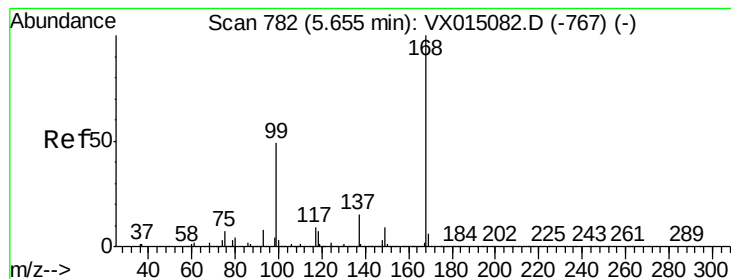
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031320\  
Data File : VX015262.D  
Acq On : 13 Mar 2020 16:05  
Operator : JC/SP  
Sample : L1903-18  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20200310

Quant Time: Mar 16 09:24:58 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 04 14:19:10 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015262.D

Acq: 13 Mar 2020 16:05

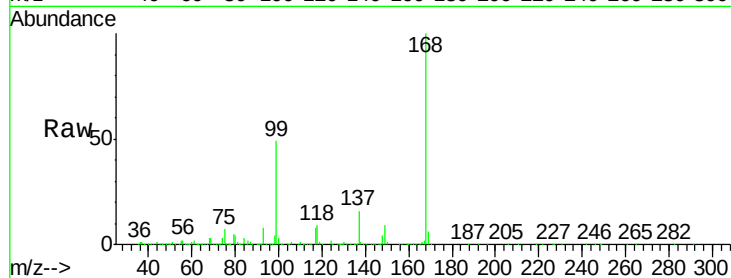
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20200310

Tot Ion:168 Resp: 258731

Ion Ratio Lower Upper

168 100

99 49.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

100000

80000

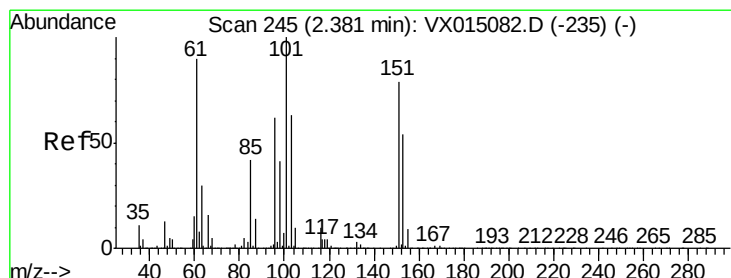
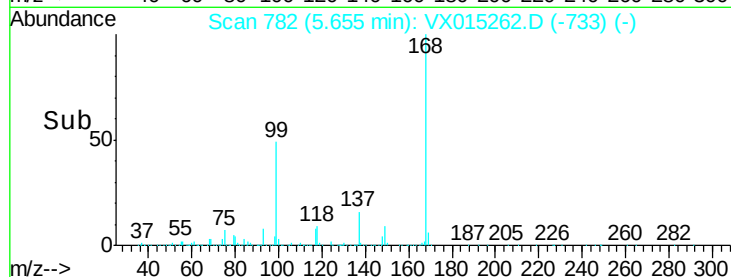
60000

40000

20000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 28.177 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015262.D

Acq: 13 Mar 2020 16:05

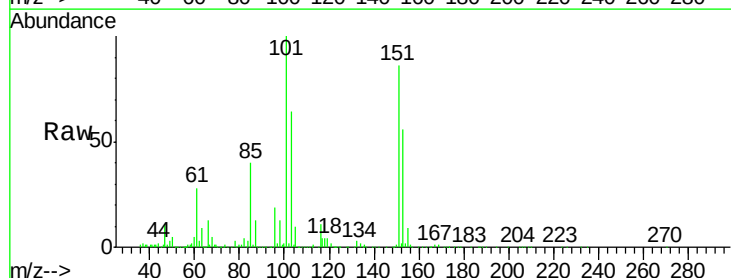
Tgt Ion:101 Resp: 68644

Ion Ratio Lower Upper

101 100

85 42.4 33.7 50.5

151 82.1 64.0 96.0



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

50000

40000

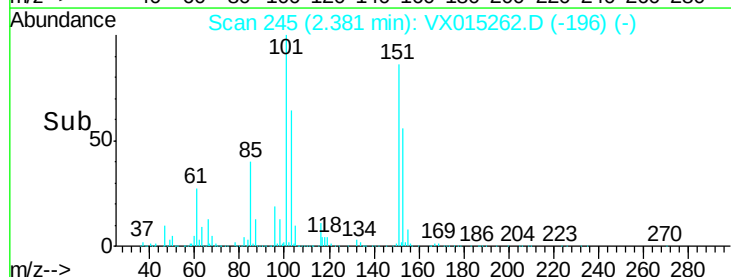
30000

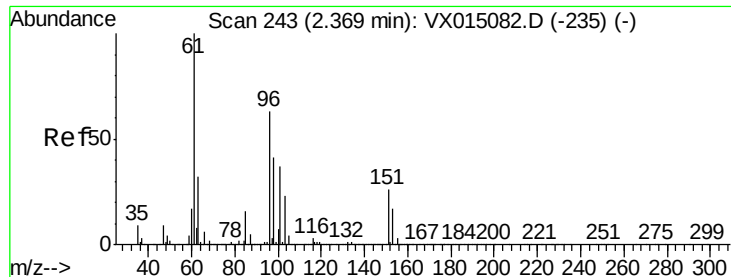
20000

10000

0

Time-->

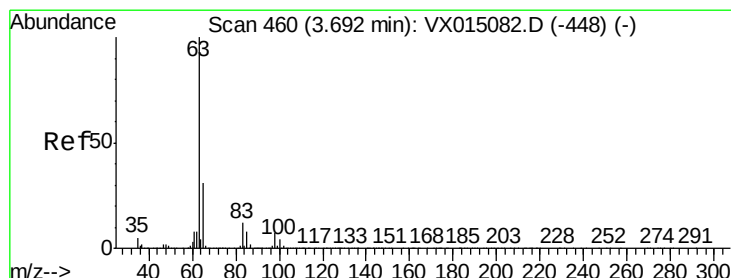
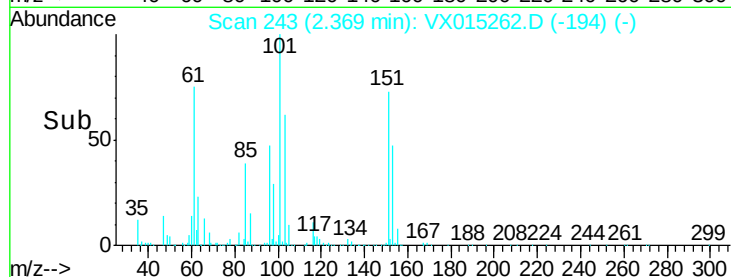
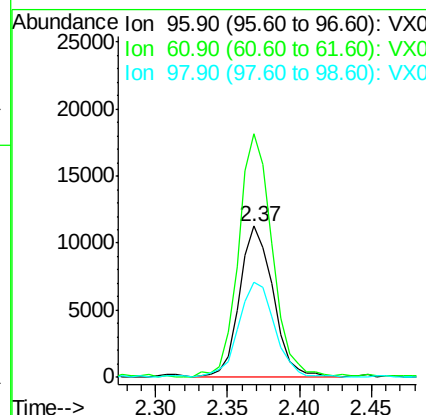
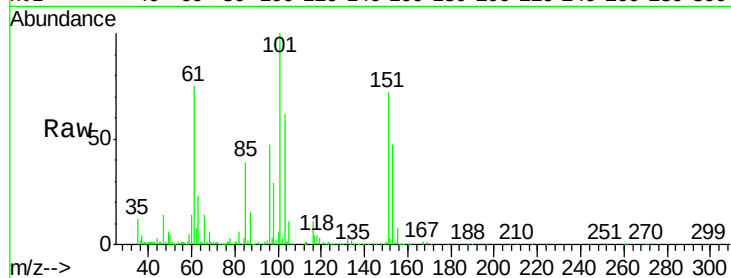




#12  
 1,1-Dichloroethene  
 Concen: 7.212 ug/l  
 RT: 2.37 min Scan# 243  
 Delta R.T. -0.00 min  
 Lab File: VX015262.D  
 Acq: 13 Mar 2020 16:05

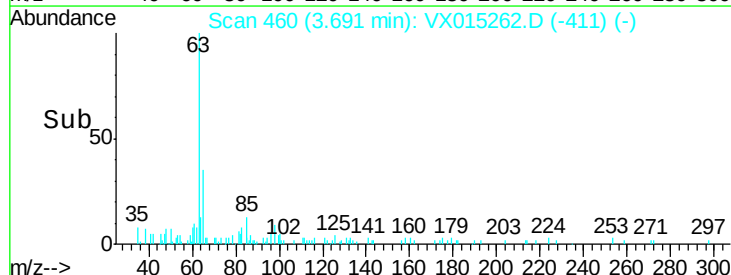
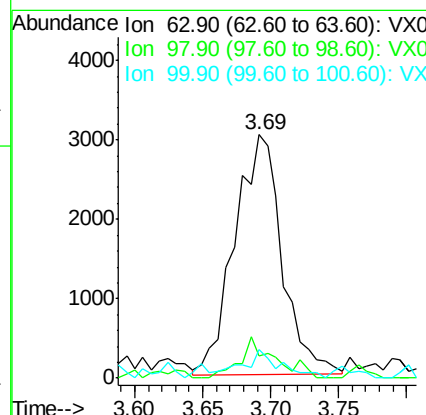
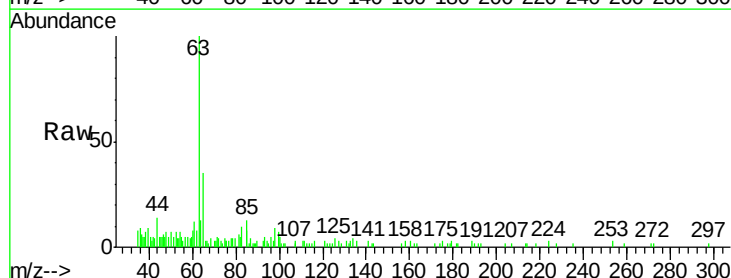
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT101D2-20200310

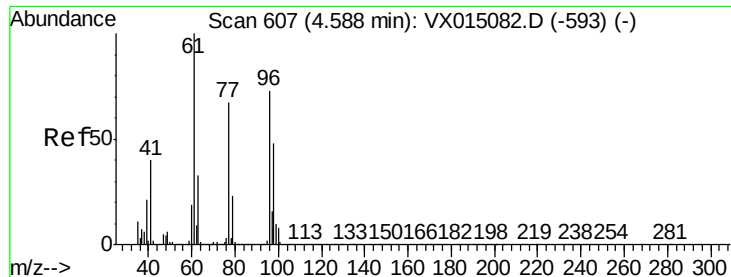
Tot Ion: 96 Resp: 18134  
 Ion Ratio Lower Upper  
 96 100  
 61 161.7 126.2 189.4  
 98 62.8 51.4 77.0



#24  
 1,1-Dichloroethane  
 Concen: 1.515 ug/l  
 RT: 3.69 min Scan# 460  
 Delta R.T. -0.00 min  
 Lab File: VX015262.D  
 Acq: 13 Mar 2020 16:05

Tgt Ion: 63 Resp: 7345  
 Ion Ratio Lower Upper  
 63 100  
 98 9.3 3.7 11.1  
 100 9.8 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 2.676 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX015262.D

Acq: 13 Mar 2020 16:05

Instrument :

MSVOA\_X

ClientSampleId :

TT101D2-20200310

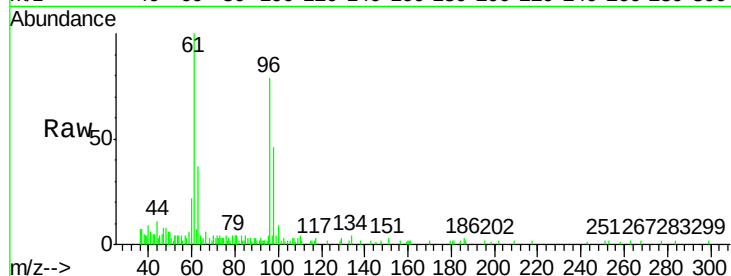
Tot Ion: 96 Resp: 8060

Ion Ratio Lower Upper

96 100

61 140.4 0.0 286.8

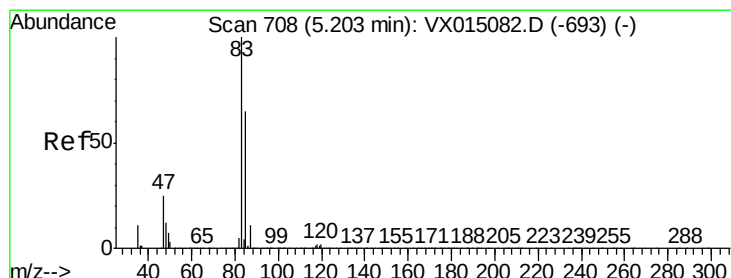
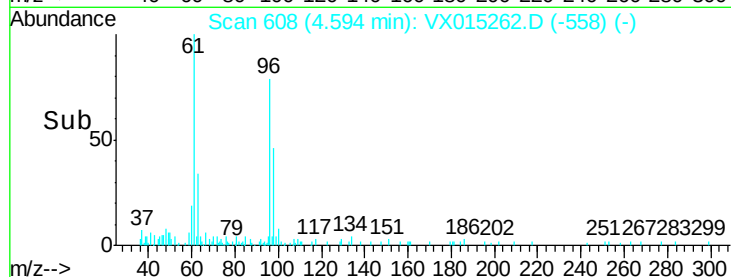
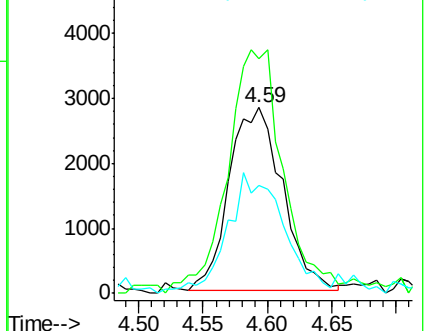
98 69.7 0.0 128.4



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



#30

Chloroform

Concen: 1.151 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX015262.D

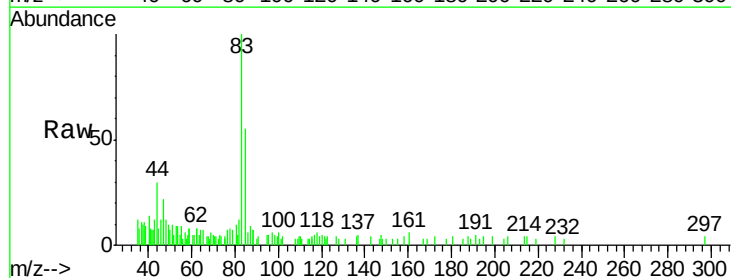
Acq: 13 Mar 2020 16:05

Tgt Ion: 83 Resp: 5440

Ion Ratio Lower Upper

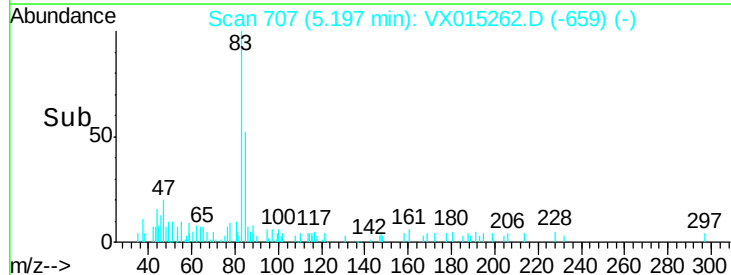
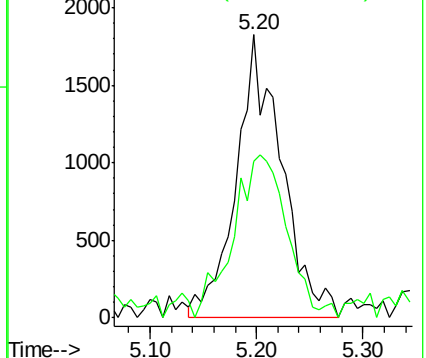
83 100

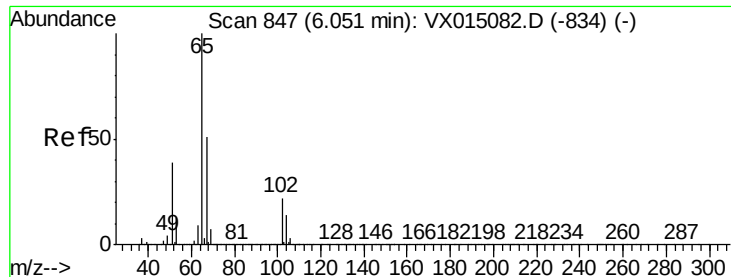
85 57.2 52.0 78.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.844 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015262.D

Acq: 13 Mar 2020 16:05

Instrument :

MSVOA\_X

ClientSampleId :

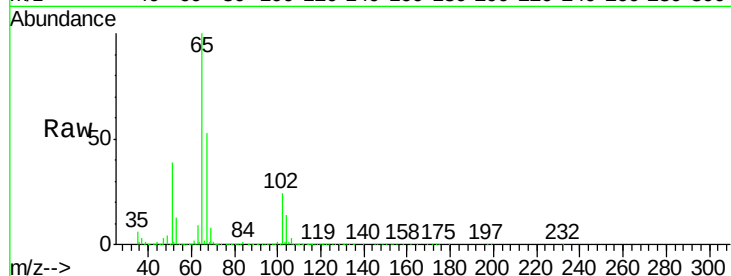
TT101D2-20200310

Tot Ion: 65 Resp: 146857

Ion Ratio Lower Upper

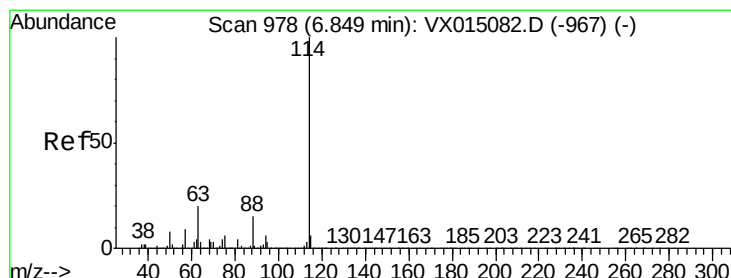
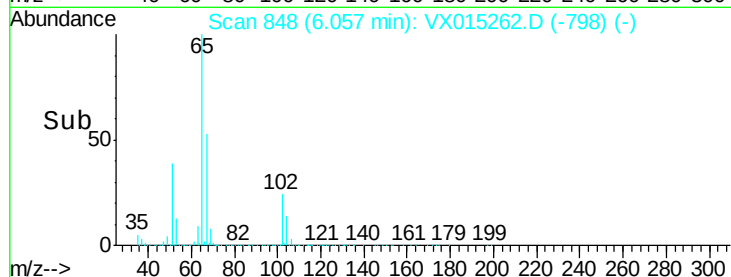
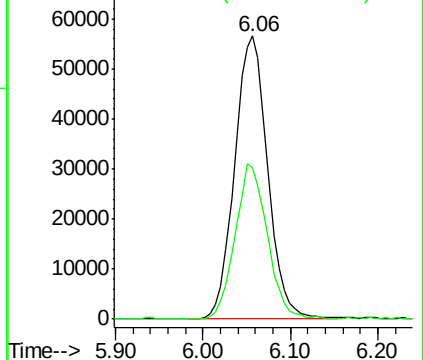
65 100

67 53.6 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015262.D

Acq: 13 Mar 2020 16:05

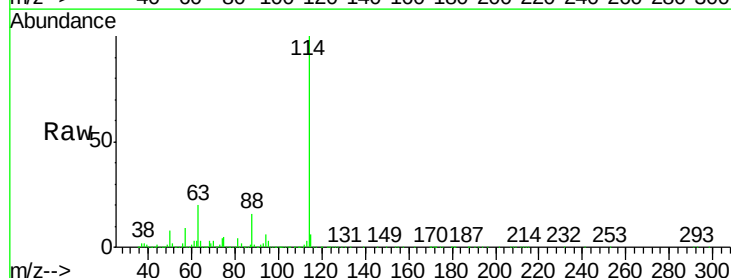
Tgt Ion: 114 Resp: 409676

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

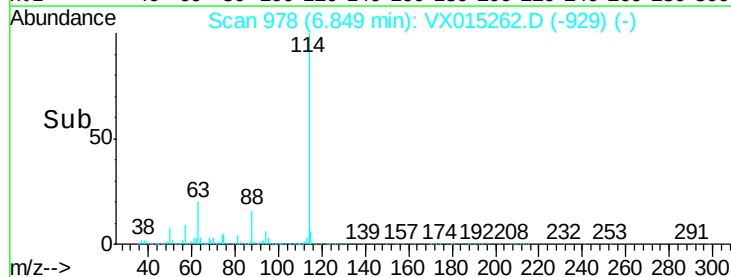
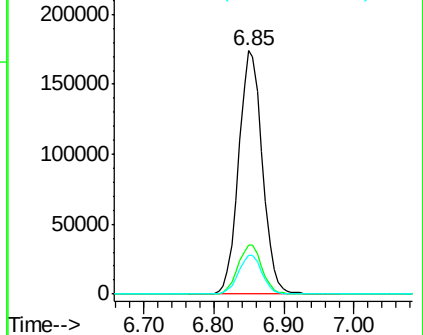
88 15.9 0.0 30.6

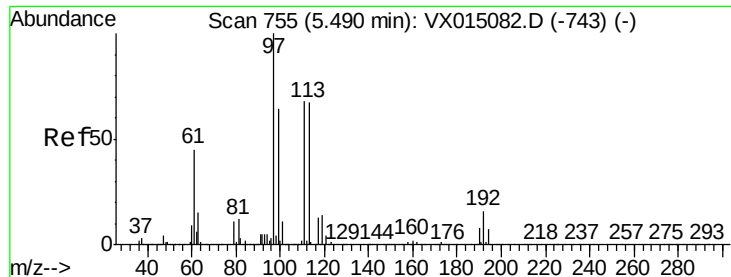


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

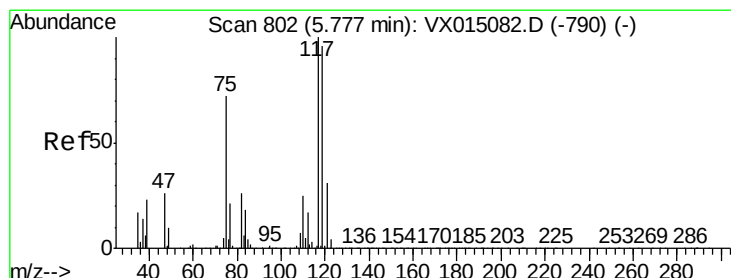
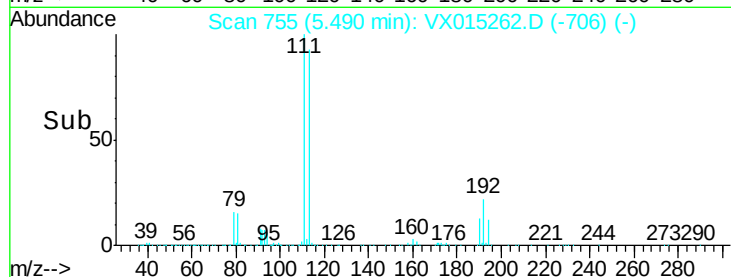
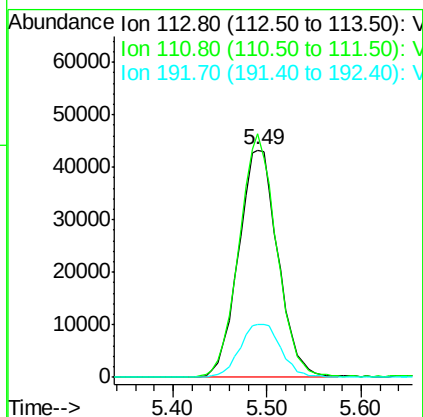
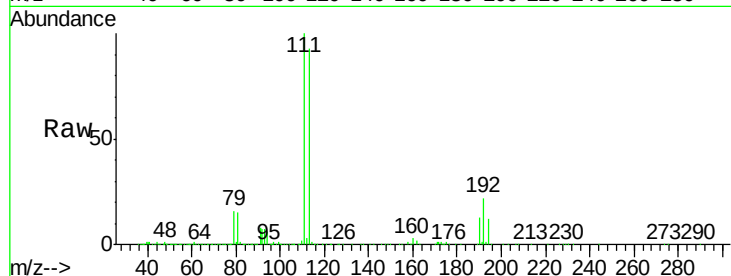




#35  
 Dibromofluoromethane  
 Concen: 48.659 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. -0.00 min  
 Lab File: VX015262.D  
 Acq: 13 Mar 2020 16:05

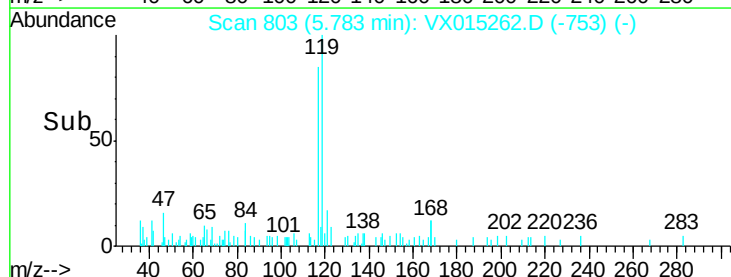
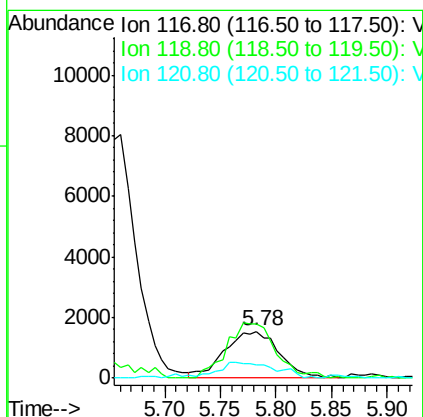
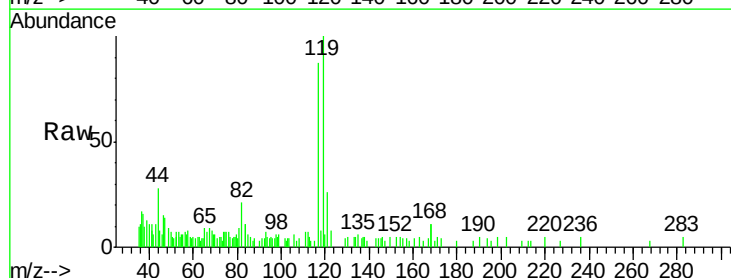
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT101D2-20200310

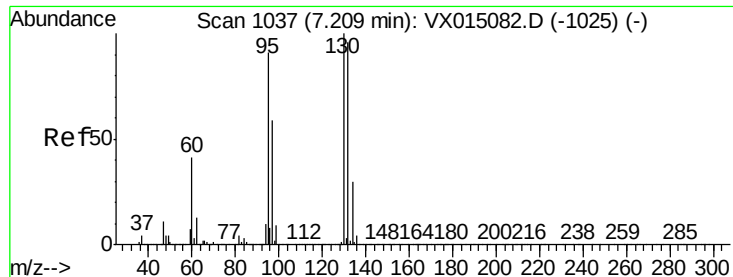
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 82.6  | 123.8 |
| 192     | 24.7  | 18.6  | 28.0  |



#38  
 Carbon Tetrachloride  
 Concen: 1.465 ug/l  
 RT: 5.78 min Scan# 803  
 Delta R.T. 0.01 min  
 Lab File: VX015262.D  
 Acq: 13 Mar 2020 16:05

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 117     | 100   |       |        |
| 119     | 115.5 | 76.9  | 115.3# |
| 121     | 23.8  | 24.6  | 37.0#  |





#44

Trichloroethene

Concen: 1203.759 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015262.D

Acq: 13 Mar 2020 16:05

Instrument :

MSVOA\_X

ClientSampleId :

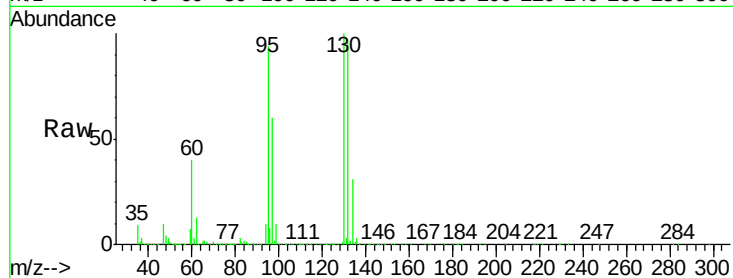
TT101D2-20200310

Tot Ion:130 Resp: 3766870

Ion Ratio Lower Upper

130 100

95 94.0 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

2000000

1500000

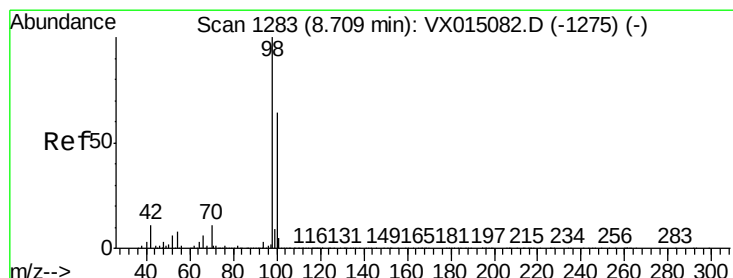
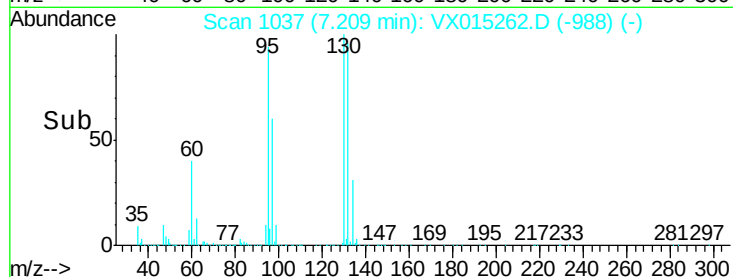
1000000

500000

0

7.10 7.20 7.30 7.40

Time-->



#50

Toluene-d8

Concen: 49.946 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015262.D

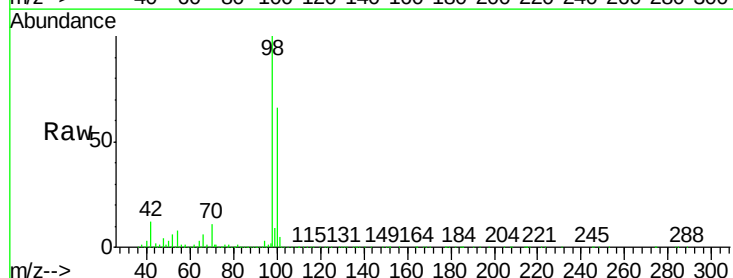
Acq: 13 Mar 2020 16:05

Tgt Ion: 98 Resp: 491031

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

300000

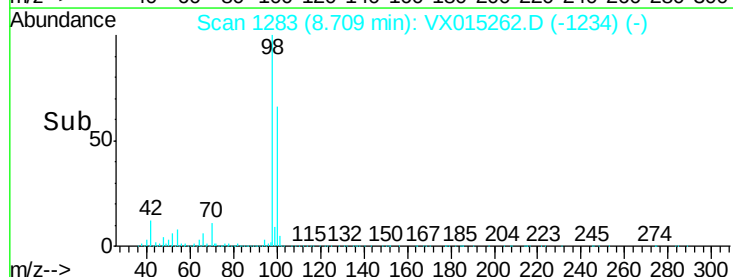
200000

100000

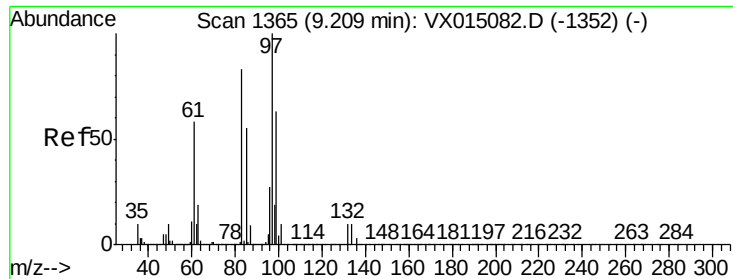
0

8.60 8.70 8.80

Time-->



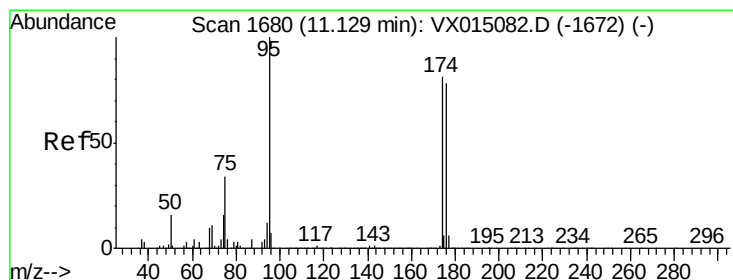
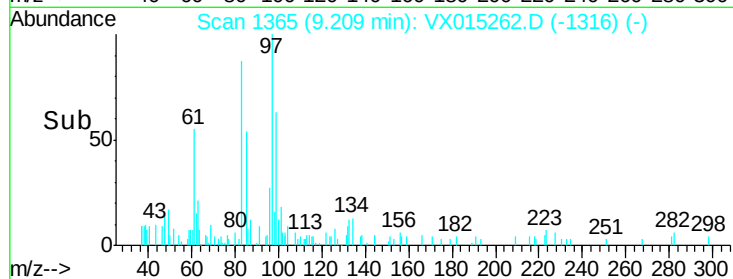
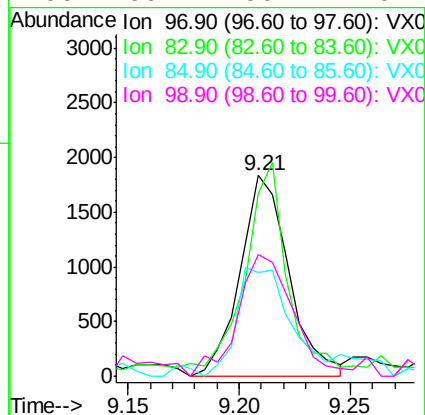
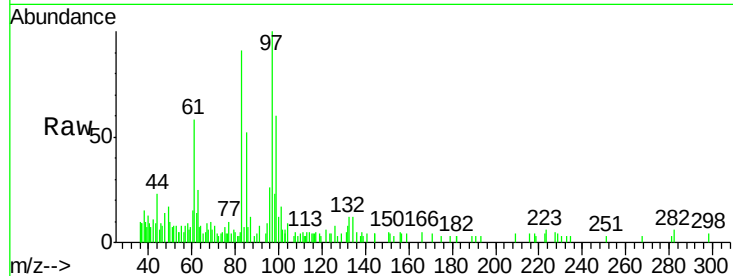




#55  
 1,1,2-Trichloroethane  
 Concen: 0.994 ug/l  
 RT: 9.21 min Scan# 1365  
 Delta R.T. -0.00 min  
 Lab File: VX015262.D  
 Acq: 13 Mar 2020 16:05

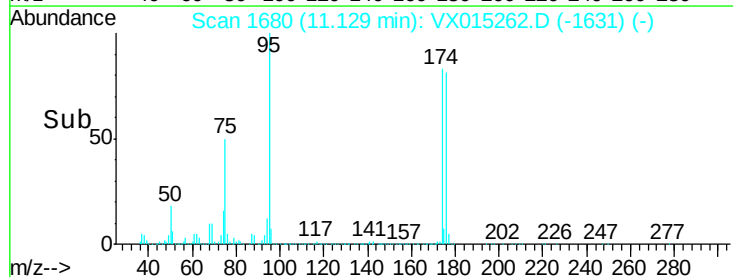
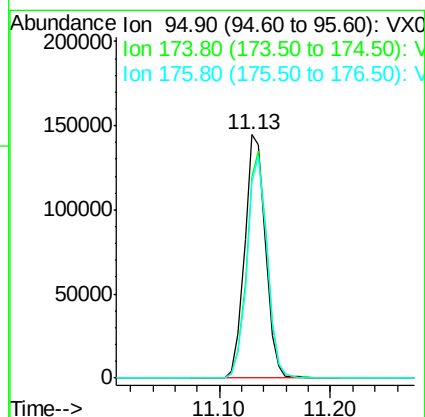
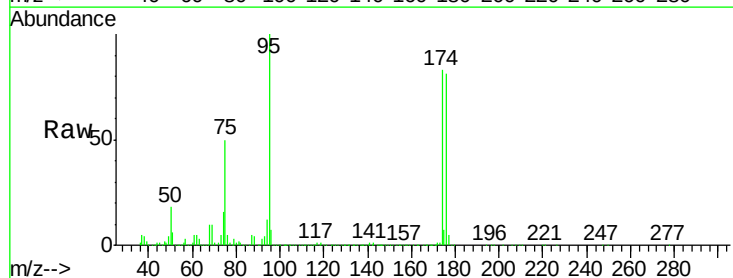
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT101D2-20200310

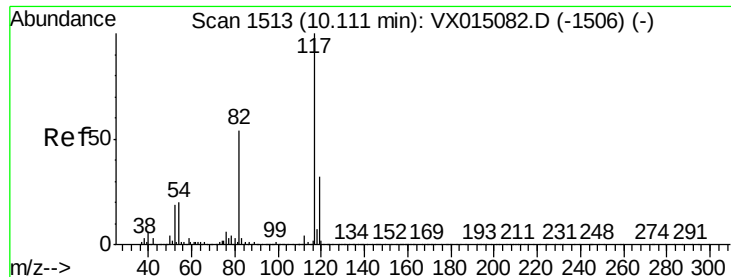
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 97    | Resp: | 2812  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.5  | 66.4  | 99.6  |
| 85       | 47.7  | 43.5  | 65.3  |
| 99       | 60.4  | 50.7  | 76.1  |



#62  
 4-Bromofluorobenzene  
 Concen: 53.206 ug/l  
 RT: 11.13 min Scan# 1680  
 Delta R.T. -0.00 min  
 Lab File: VX015262.D  
 Acq: 13 Mar 2020 16:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 186576 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 91.1  | 0.0   | 177.6  |
| 176      | 88.1  | 0.0   | 170.2  |

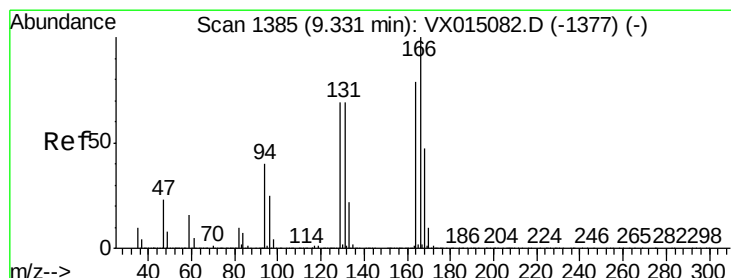
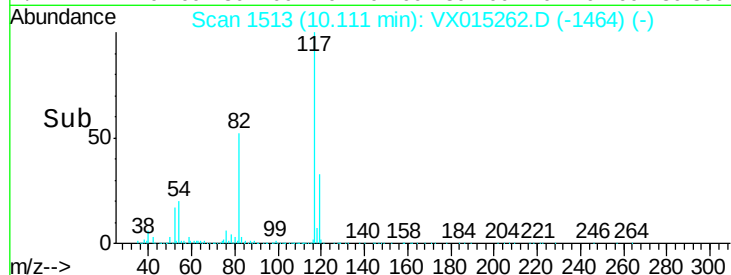
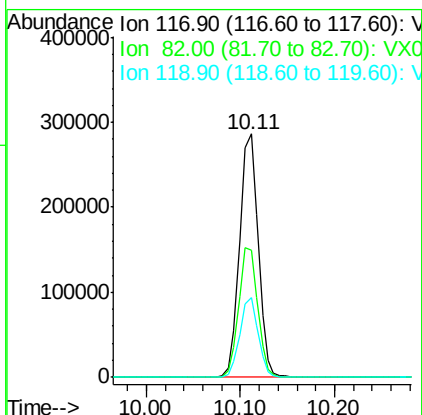
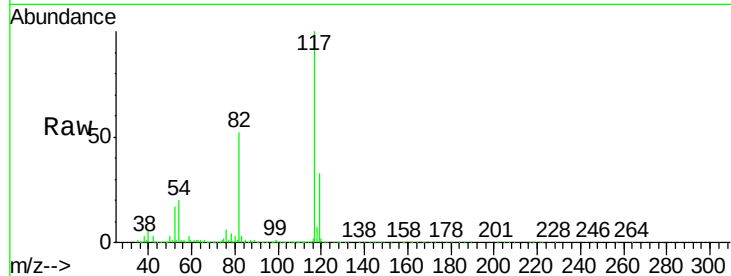




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX015262.D  
Acq: 13 Mar 2020 16:05

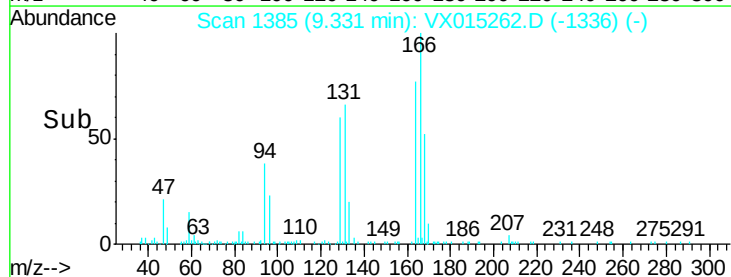
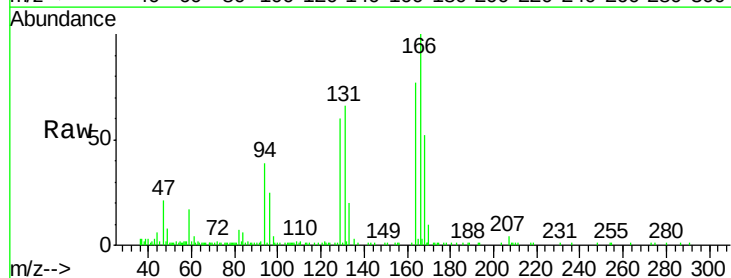
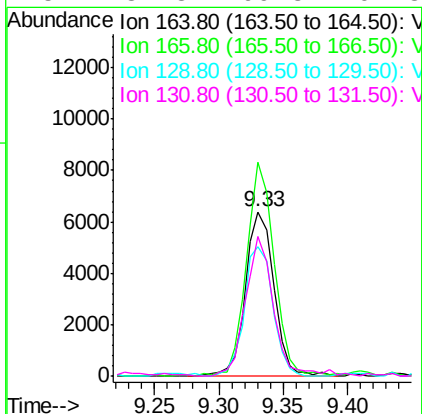
Instrument :  
MSVOA\_X  
ClientSampleId :  
TT101D2-20200310

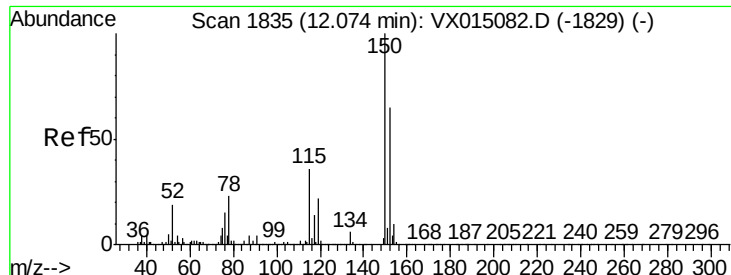
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.2  | 43.3  | 64.9  |
| 119     | 32.5  | 25.8  | 38.8  |



#64  
Tetrachloroethene  
Concen: 2.967 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX015262.D  
Acq: 13 Mar 2020 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 129.1 | 101.1 | 151.7 |
| 129     | 77.4  | 69.4  | 104.0 |
| 131     | 84.3  | 69.8  | 104.8 |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015262.D

Acq: 13 Mar 2020 16:05

Instrument :

MSVOA\_X

ClientSampleId :

TT101D2-20200310

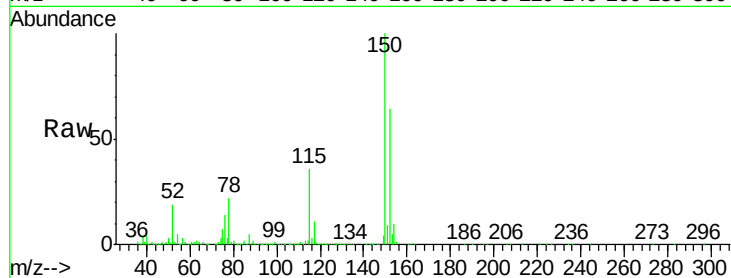
Tot Ion:152 Resp: 209025

Ion Ratio Lower Upper

152 100

115 55.4 38.2 114.6

150 155.1 0.0 343.8



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

