

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120720\  
 Data File : VX019752.D  
 Acq On : 07 Dec 2020 15:08  
 Operator : JC/MD  
 Sample : L4953-11  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2D-120320

Quant Time: Dec 08 06:20:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 04 15:32:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 355898   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 574773   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.09 | 117  | 518130   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 233140   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        | R.T.  | QIon     | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   |        | 6.03  | 65       | 214383   | 45.83 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =     | 91.66% |          |
| 35) Dibromofluoromethane    |        | 5.46  | 113      | 174465   | 46.97 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =     | 93.94% |          |
| 50) Toluene-d8              |        | 8.70  | 98       | 689688   | 48.63 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =     | 97.26% |          |
| 62) 4-Bromofluorobenzene    |        | 11.12 | 95       | 246735   | 45.71 | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =     | 91.42% |          |

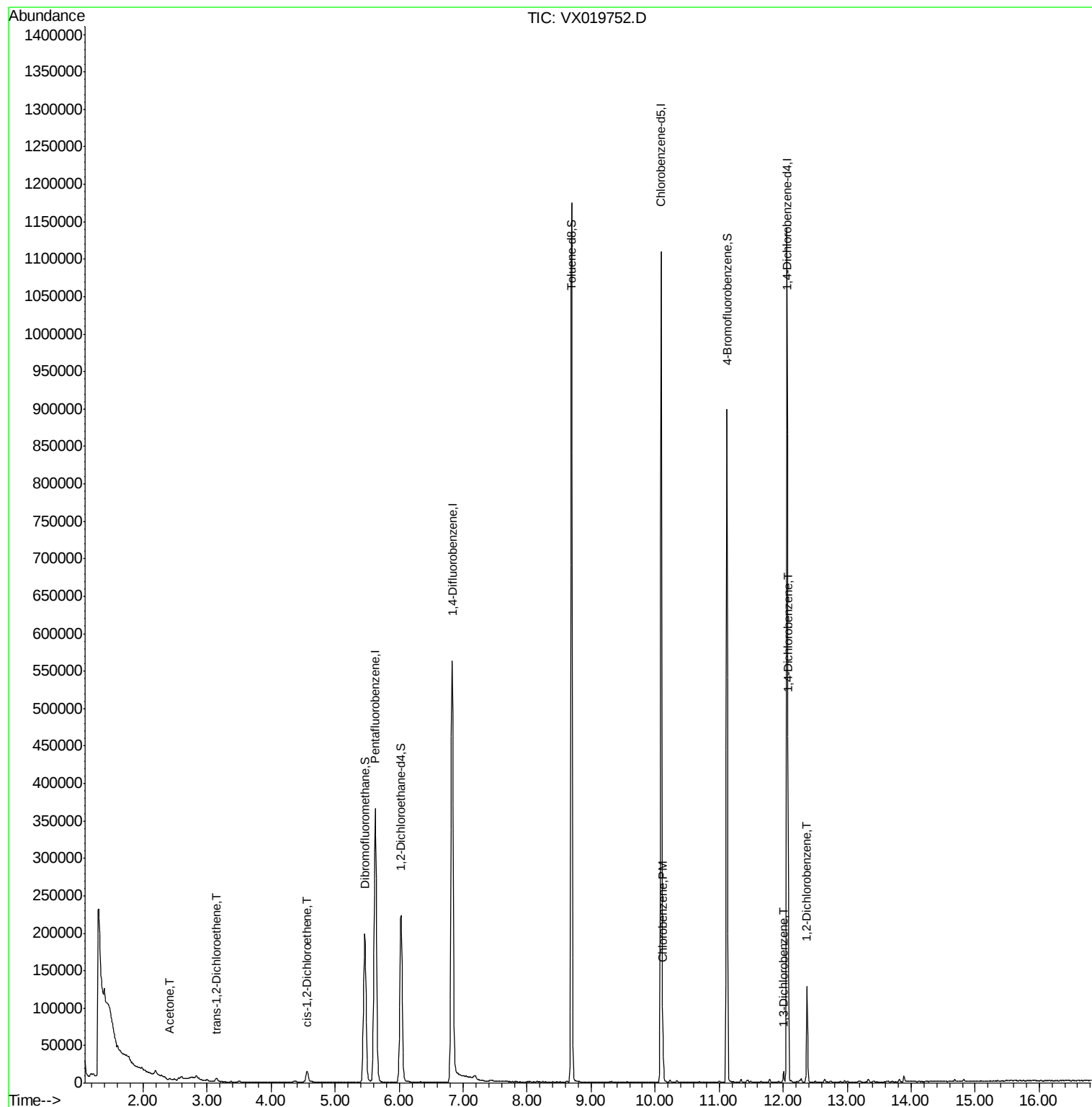
| Target Compounds             | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|------------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone                  | 2.42  | 43   | 3140     | 1.786 | ug/l  | 97     |
| 21) trans-1,2-Dichloroethene | 3.14  | 96   | 1167     | 0.307 | ug/l  | 100    |
| 27) cis-1,2-Dichloroethene   | 4.56  | 96   | 9621     | 2.163 | ug/l  | 98     |
| 65) Chlorobenzene            | 10.12 | 112  | 22560    | 2.185 | ug/l  | 98     |
| 87) 1,3-Dichlorobenzene      | 12.01 | 146  | 4559     | 0.609 | ug/l  | 99     |
| 88) 1,4-Dichlorobenzene      | 12.08 | 146  | 54108    | 7.101 | ug/l  | 97     |
| 91) 1,2-Dichlorobenzene      | 12.37 | 146  | 41924    | 5.749 | ug/l  | 99     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120720\  
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ID039-39MWE2D-120320

Quant Time: Dec 08 06:20:11 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X120420W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 04 15:32:53 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019752.D

Acq: 07 Dec 2020 15:08

Instrument :

MSVOA\_X

ClientSampleId :

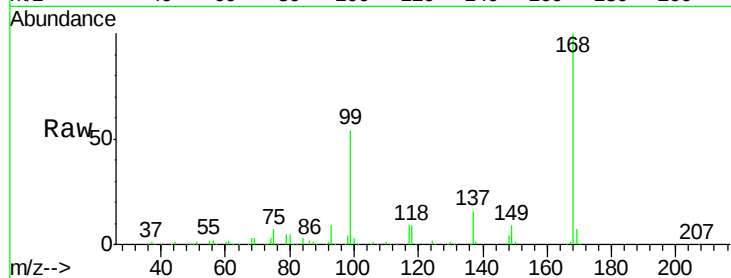
ID039-39MWE2D-120320

Tot Ion:168 Resp: 355898

Ion Ratio Lower Upper

168 100

99 54.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

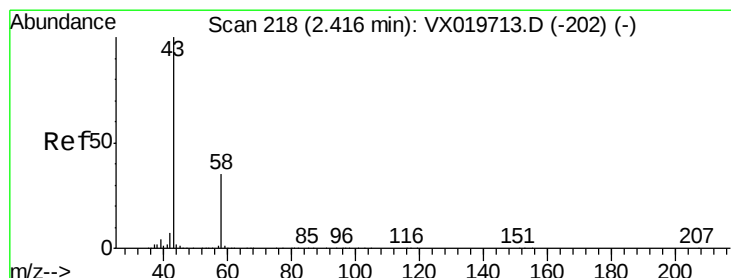
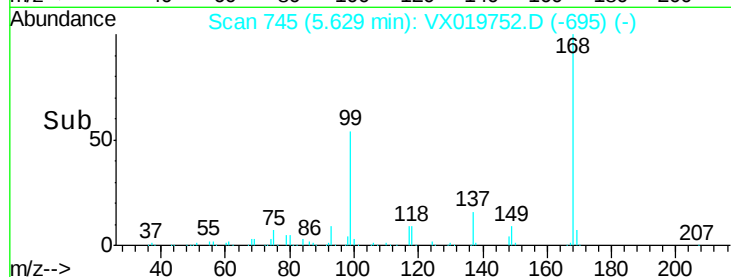
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.786 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019752.D

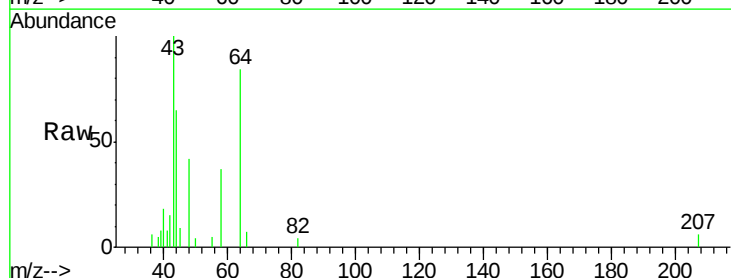
Acq: 07 Dec 2020 15:08

Tgt Ion: 43 Resp: 3140

Ion Ratio Lower Upper

43 100

58 36.7 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

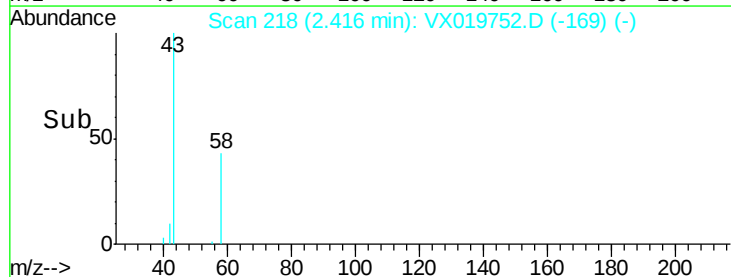
1500

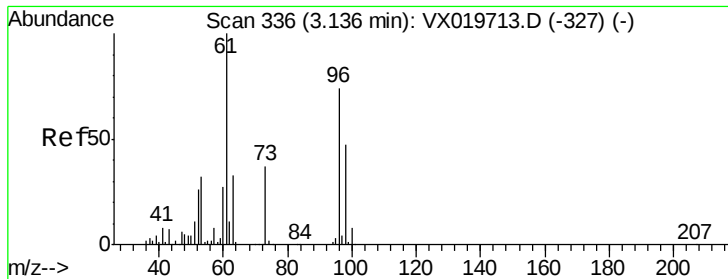
1000

500

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 0.307 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019752.D

Acq: 07 Dec 2020 15:08

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2D-120320

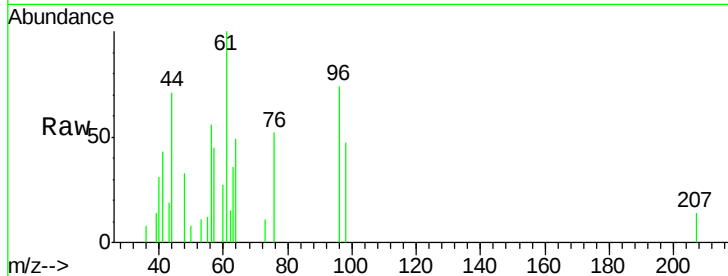
Tot Ion: 96 Resp: 1167

Ion Ratio Lower Upper

96 100

61 134.9 107.7 161.5

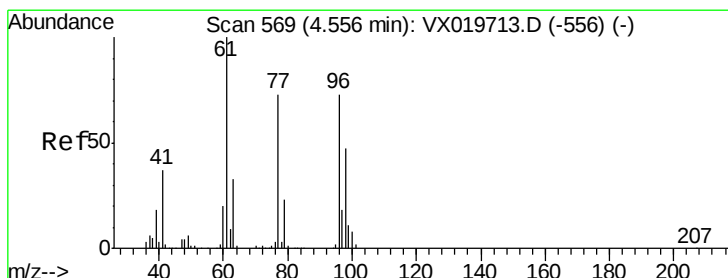
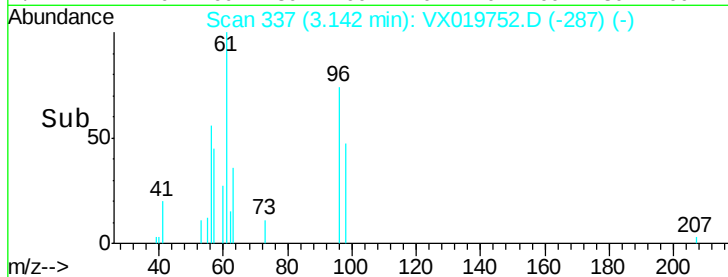
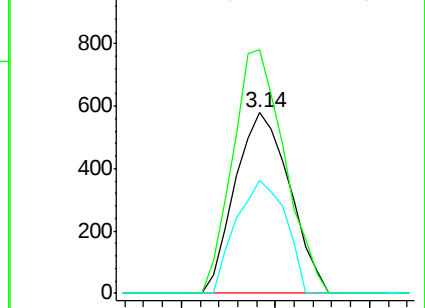
98 62.9 50.4 75.6



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: 2.163 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX019752.D

Acq: 07 Dec 2020 15:08

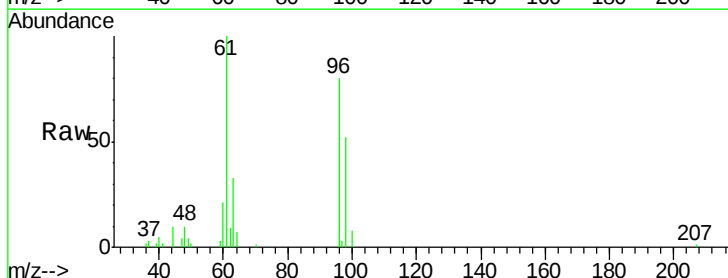
Tgt Ion: 96 Resp: 9621

Ion Ratio Lower Upper

96 100

61 140.9 0.0 285.6

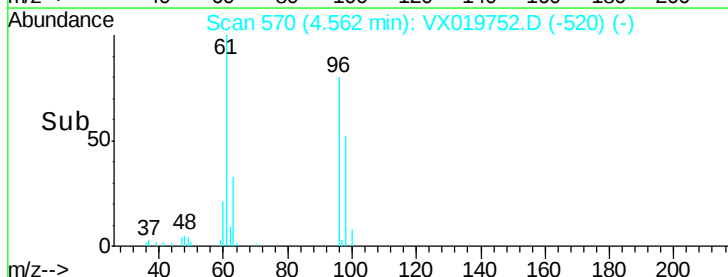
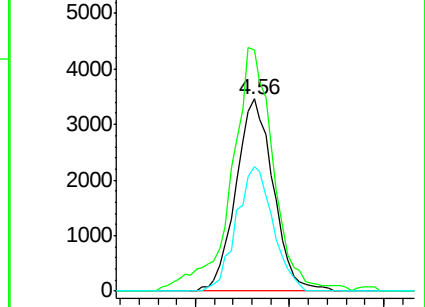
98 63.1 0.0 129.6

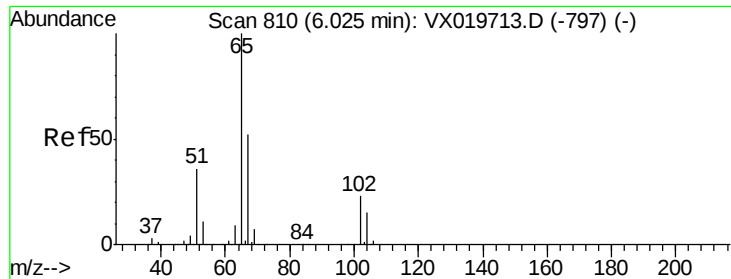


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.832 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019752.D

Acq: 07 Dec 2020 15:08

Instrument :

MSVOA\_X

ClientSampleId :

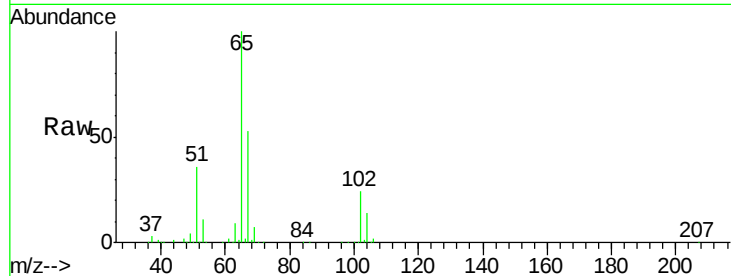
ID039-39MWE2D-120320

Tot Ion: 65 Resp: 214383

Ion Ratio Lower Upper

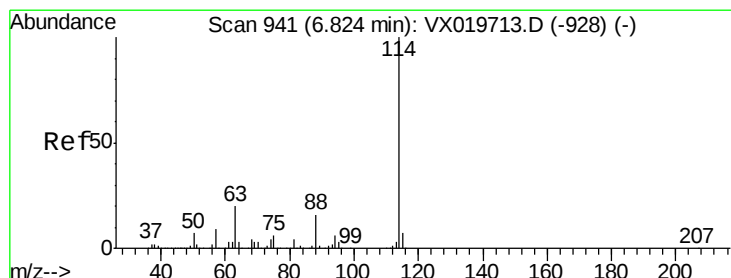
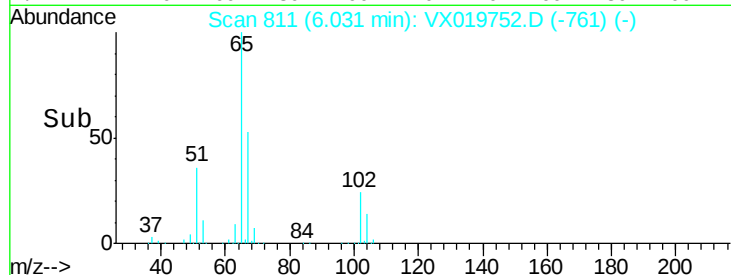
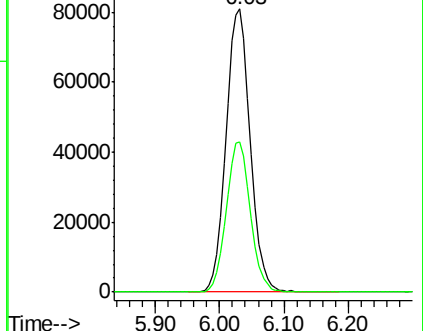
65 100

67 52.9 0.0 105.4



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: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019752.D

Acq: 07 Dec 2020 15:08

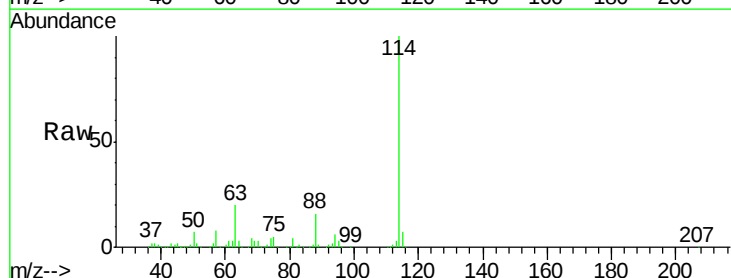
Tgt Ion: 114 Resp: 574773

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

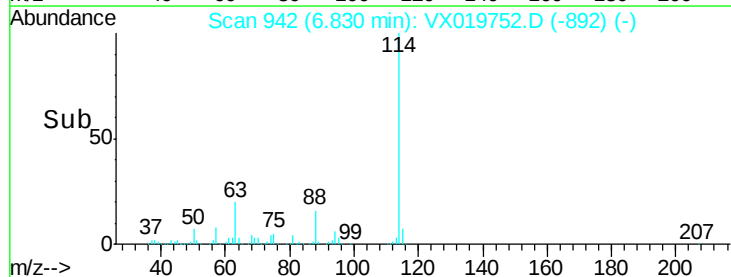
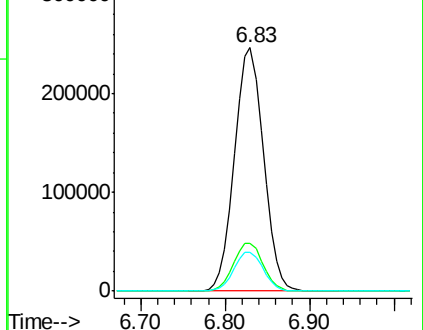
88 15.9 0.0 32.8

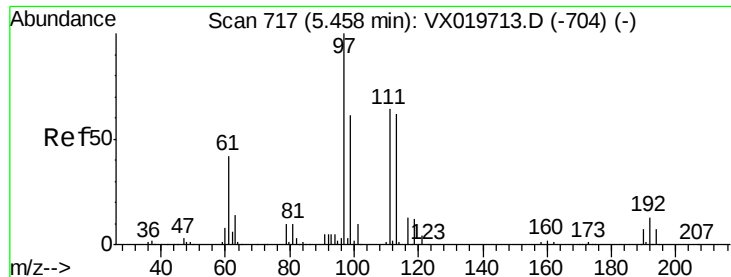


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

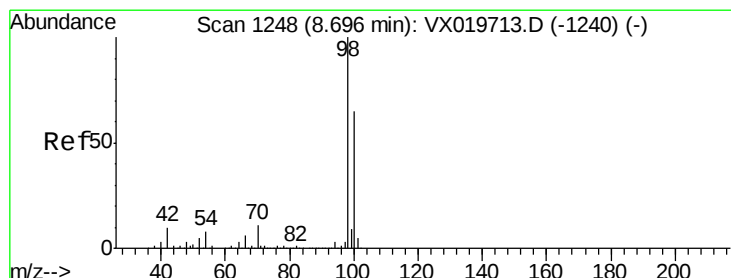
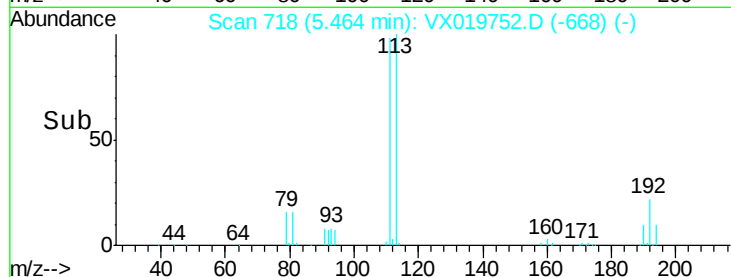
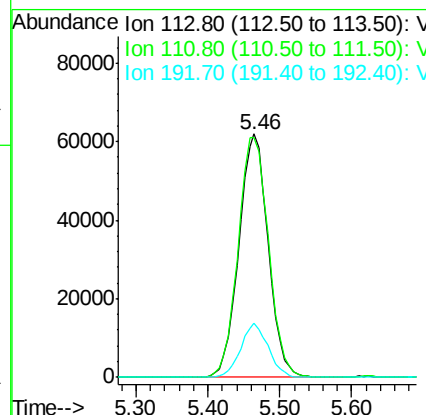
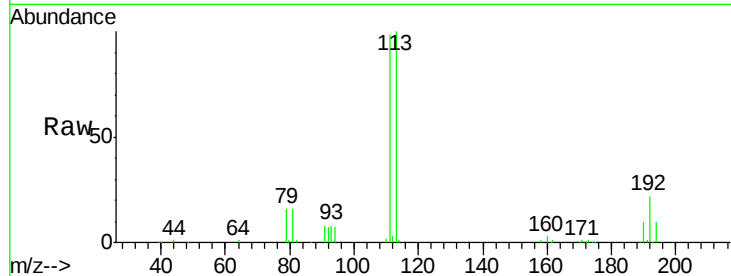




#35  
 Dibromofluoromethane  
 Concen: 46.966 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. 0.01 min  
 Lab File: VX019752.D  
 Acq: 07 Dec 2020 15:08

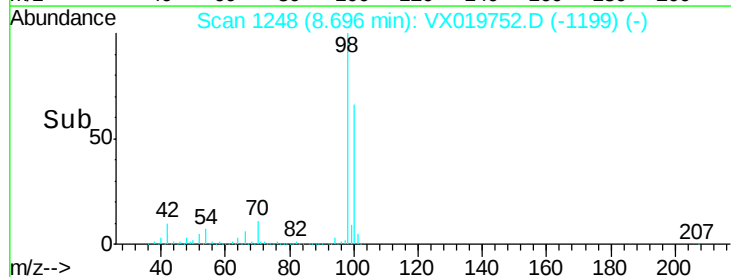
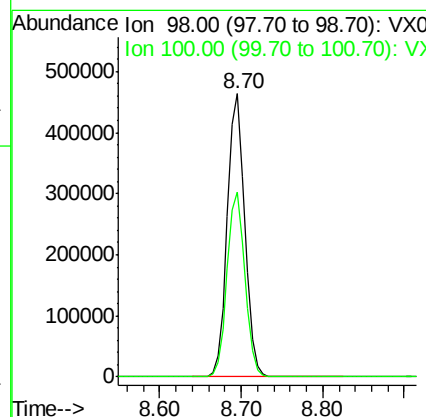
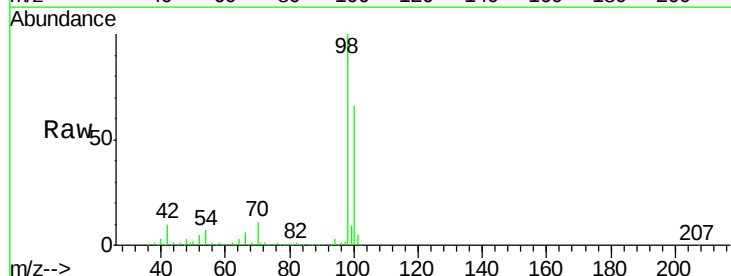
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ID039-39MWE2D-120320

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 81.9  | 122.9 |
| 192     | 20.9  | 16.7  | 25.1  |



#50  
 Toluene-d8  
 Concen: 48.632 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VX019752.D  
 Acq: 07 Dec 2020 15:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.3  | 51.9  | 77.9  |





#62

4-Bromofluorobenzene

Concen: 45.711 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019752.D

Acq: 07 Dec 2020 15:08

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2D-120320

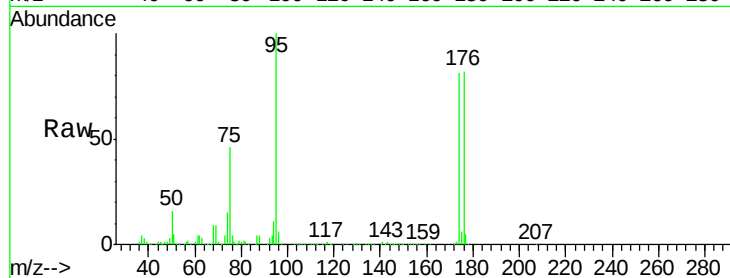
Tot Ion: 95 Resp: 246735

Ion Ratio Lower Upper

95 100

174 78.8 0.0 154.6

176 77.9 0.0 155.8

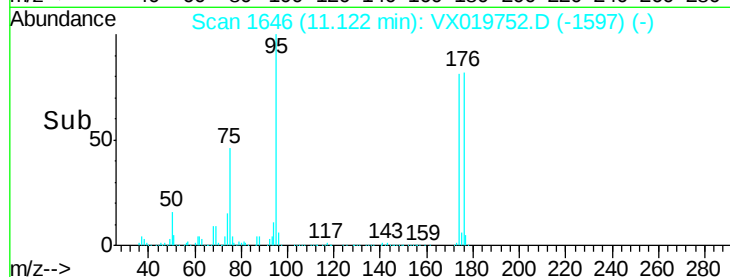


Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)

Time-->

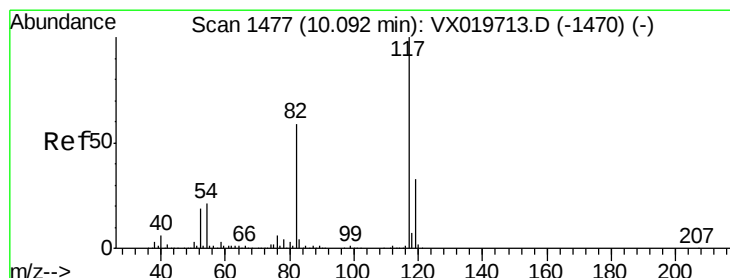


Abundance Ion 94.90 (94.60 to 95.60): VX019752.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019752.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019752.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019752.D

Acq: 07 Dec 2020 15:08

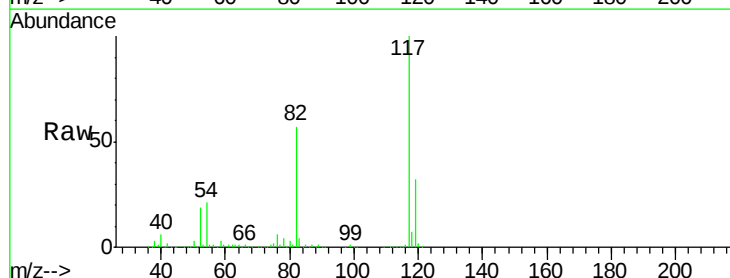
Tgt Ion: 117 Resp: 518130

Ion Ratio Lower Upper

117 100

82 57.0 47.4 71.2

119 32.4 26.6 39.8

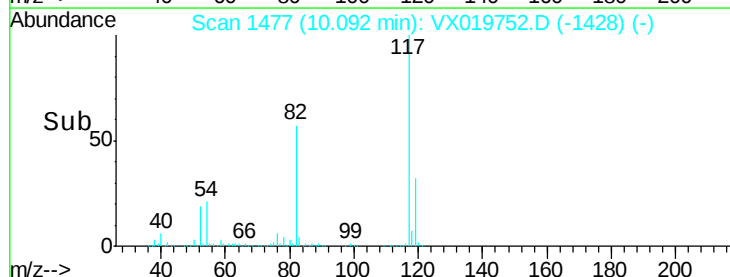


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)

Time-->

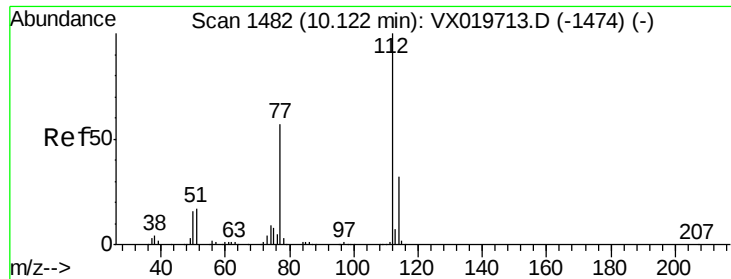


Abundance Ion 116.90 (116.60 to 117.60): VX019752.D (-1428) (-)

Ion 82.00 (81.70 to 82.70): VX019752.D (-1428) (-)

Ion 118.90 (118.60 to 119.60): VX019752.D (-1428) (-)

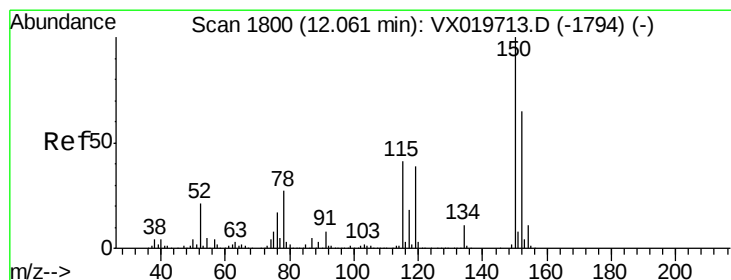
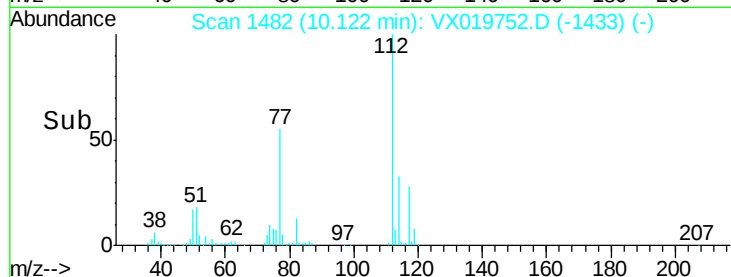
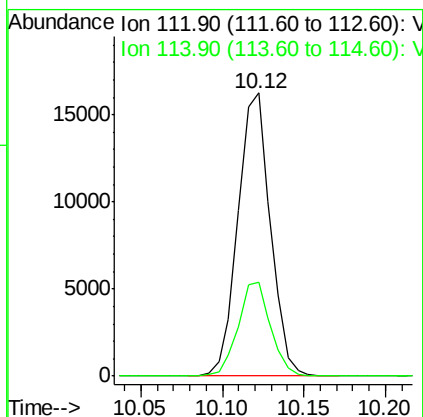
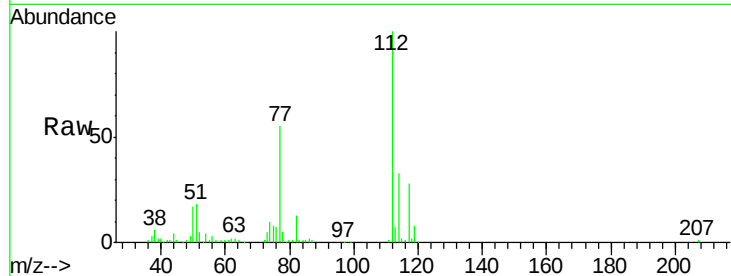
Time-->



#65  
Chlorobenzene  
Concen: 2.185 ug/l  
RT: 10.12 min Scan# 1482  
Delta R.T. -0.00 min  
Lab File: VX019752.D  
Acq: 07 Dec 2020 15:08

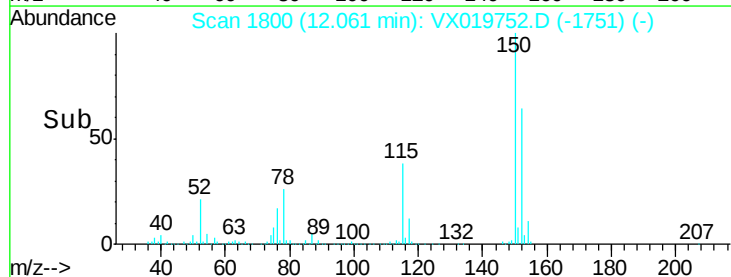
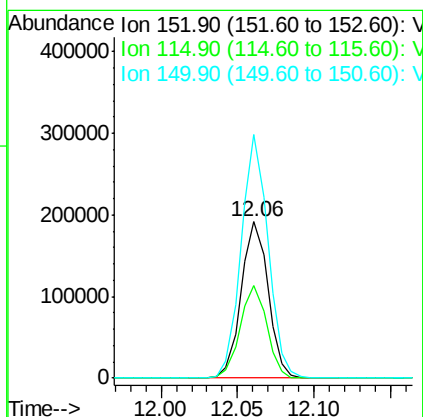
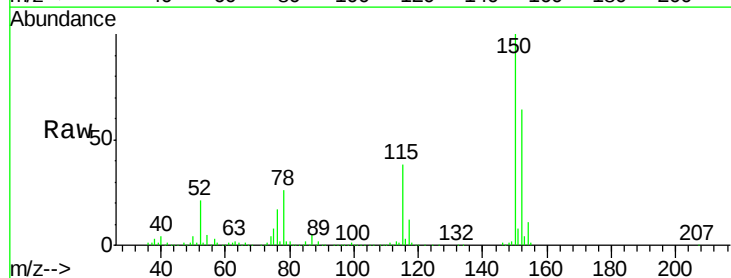
Instrument :  
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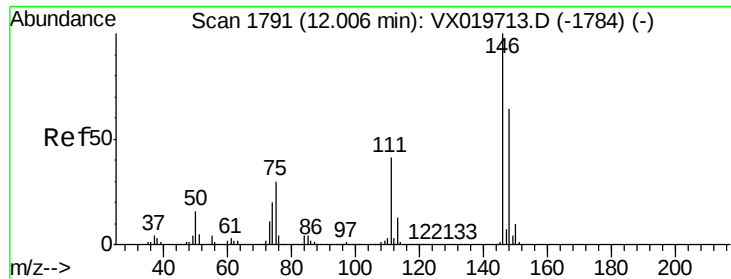
Tot Ion:112 Resp: 22560  
Ion Ratio Lower Upper  
112 100  
114 33.4 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX019752.D  
Acq: 07 Dec 2020 15:08

Tgt Ion:152 Resp: 233140  
Ion Ratio Lower Upper  
152 100  
115 59.2 41.1 123.3  
150 156.3 0.0 349.0





#87

1,3-Dichlorobenzene

Concen: 0.609 ug/l

RT: 12.01 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX019752.D

Acq: 07 Dec 2020 15:08

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2D-120320

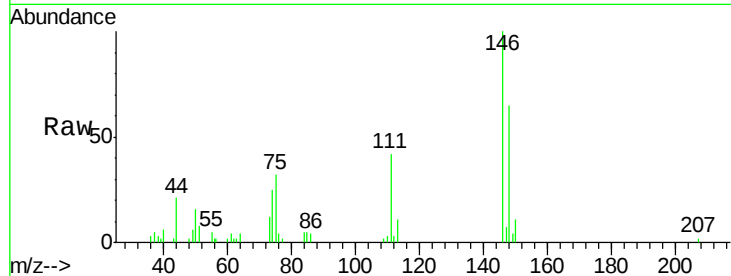
Tot Ion:146 Resp: 4559

Ion Ratio Lower Upper

146 100

111 38.8 20.2 60.5

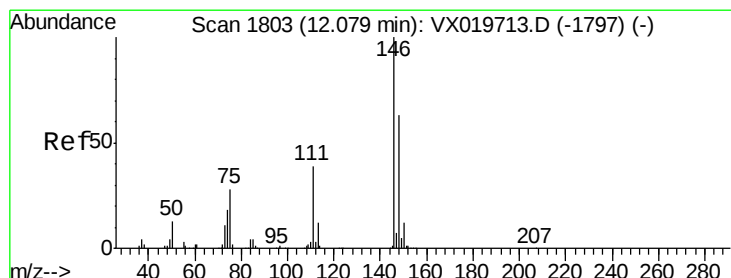
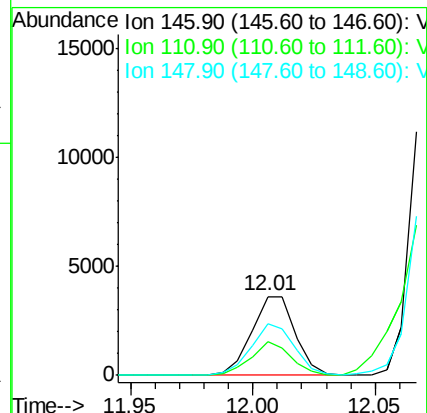
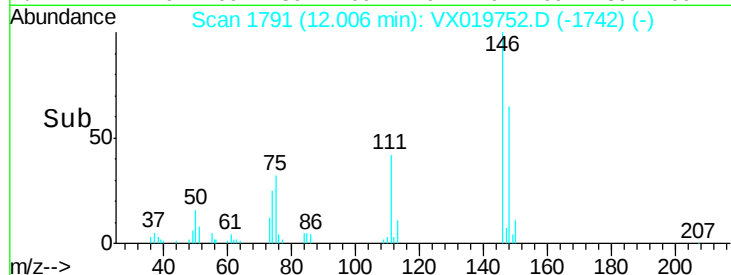
148 64.3 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 7.101 ug/l

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX019752.D

Acq: 07 Dec 2020 15:08

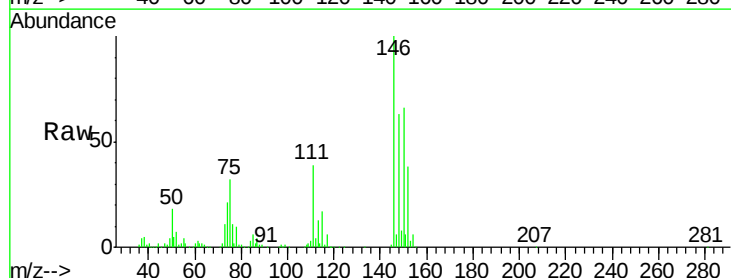
Tgt Ion:146 Resp: 54108

Ion Ratio Lower Upper

146 100

111 43.0 19.6 58.8

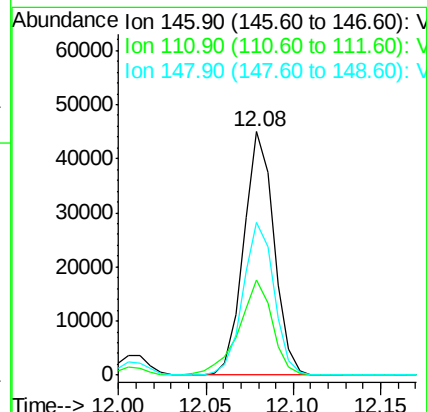
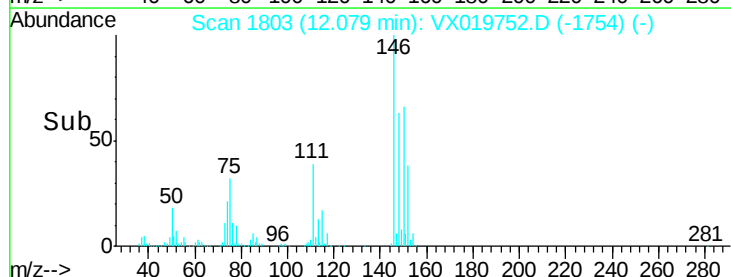
148 64.2 31.6 95.0

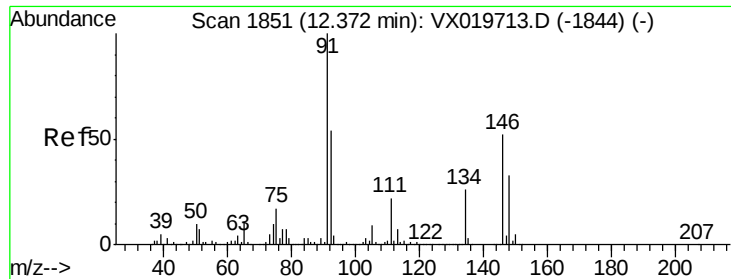


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: 5.749 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX019752.D

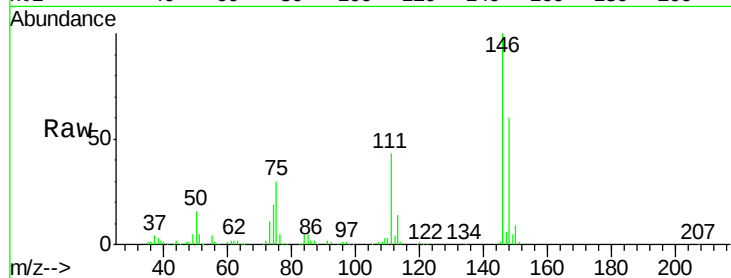
Acq: 07 Dec 2020 15:08

Instrument :

MSVOA\_X

ClientSampleId :

ID039-39MWE2D-120320



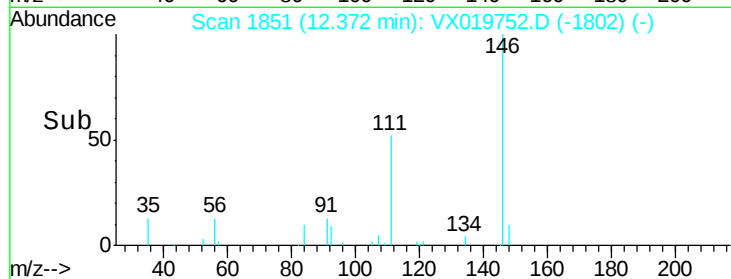
Tot Ion:146 Resp: 41924

Ion Ratio Lower Upper

146 100

111 40.8 20.8 62.2

148 63.6 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

