

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\  
 Data File : VX018784.D  
 Acq On : 05 Oct 2020 23:26  
 Operator : JC/SP  
 Sample : L4240-05DL 40X  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG3R3DL

Quant Time: Oct 07 02:29:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR100220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 06 05:58:52 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 138280   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 132326   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 59549    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 37206    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 92.00%  |
| 7) Chloroethane-d5             | 1.70   | 69    | 33003    | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 104.40% |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 66165    | 3.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.60%  |
| 20) 2-Butanone-d5              | 4.56   | 46    | 129146   | 60.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 121.90% |
| 24) Chloroform-d               | 5.13   | 84    | 94547    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.80%  |
| 26) 1,2-Dichloroethane-d4      | 6.02   | 65    | 55364    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.80%  |
| 32) Benzene-d6                 | 6.05   | 84    | 175588   | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.80% |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 52883    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 111.20% |
| 41) Toluene-d8                 | 8.70   | 98    | 155997   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.20%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 23378    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.40%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 99917    | 58.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 116.58% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 41842    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.20% |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 63400    | 5.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 115.40% |

## Target Compounds

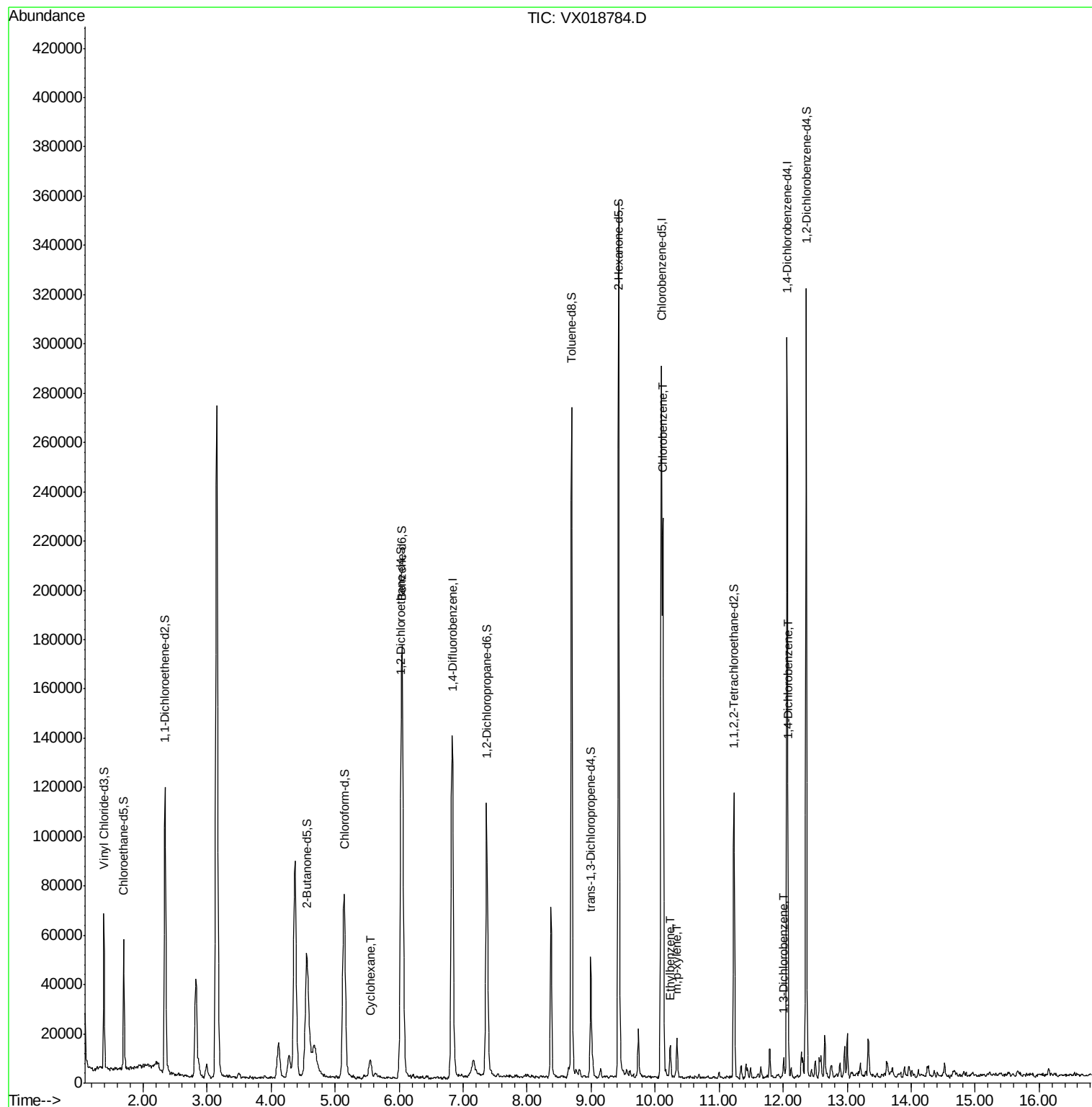
|                         |       |     |       |              | Ovalue |
|-------------------------|-------|-----|-------|--------------|--------|
| 30) Cyclohexane         | 5.54  | 56  | 4728  | 0.435 ug/L # | 86     |
| 53) Chlorobenzene       | 10.12 | 112 | 96759 | 4.665 ug/L   | 97     |
| 54) Ethylbenzene        | 10.24 | 91  | 6713  | 0.197 ug/L   | 89     |
| 55) m,p-xylene          | 10.34 | 106 | 3980  | 0.300 ug/L   | 94     |
| 63) 1,3-Dichlorobenzene | 12.01 | 146 | 1616  | 0.112 ug/L   | 91     |
| 64) 1,4-Dichlorobenzene | 12.08 | 146 | 2470  | 0.171 ug/L # | 88     |

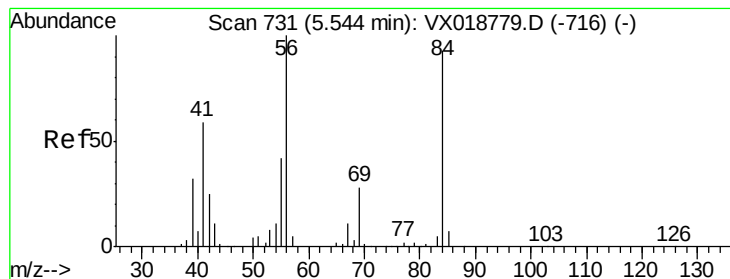
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Oct 06 05:58:52 2020  
Response via : Initial Calibration





#30

Cyclohexane

Concen: 0.435 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.00 min

Lab File: VX018784.D

Acq: 05 Oct 2020 23:26

Instrument :

MSVOA\_X

ClientSampleId :

BG3R3DL

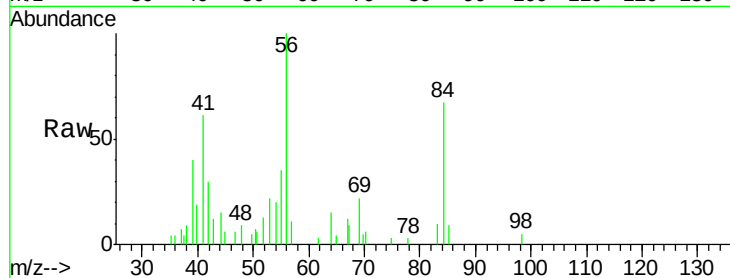
Tot Ion: 56 Resp: 4728

Ion Ratio Lower Upper

56 100

69 12.5 26.0 39.0#

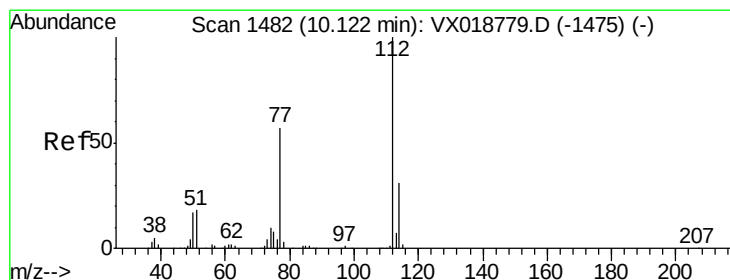
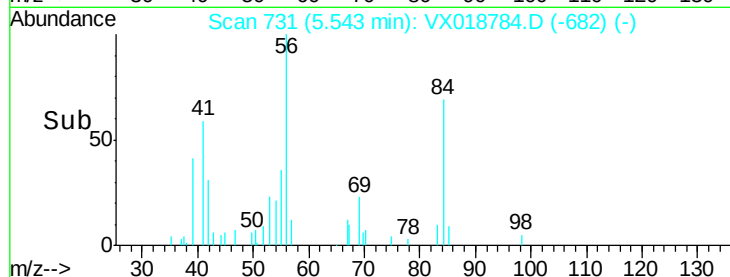
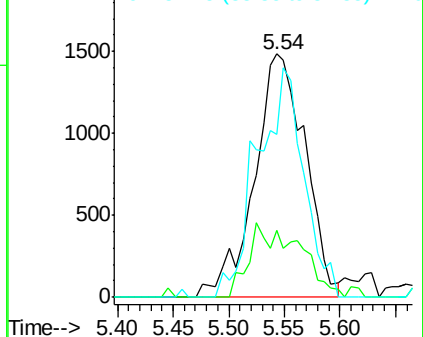
84 85.7 73.8 110.6



Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0



#53

Chlorobenzene

Concen: 4.665 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018784.D

Acq: 05 Oct 2020 23:26

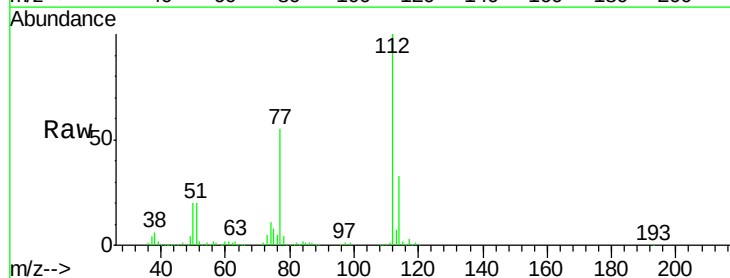
Tgt Ion: 112 Resp: 96759

Ion Ratio Lower Upper

112 100

114 32.9 21.3 39.5

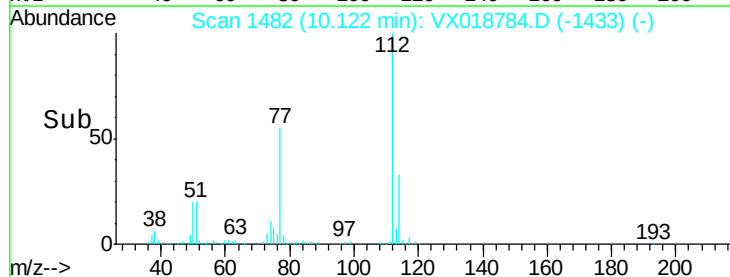
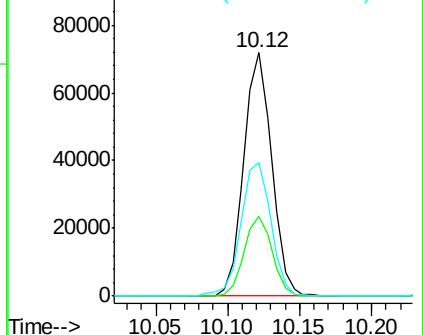
77 54.9 42.4 63.6

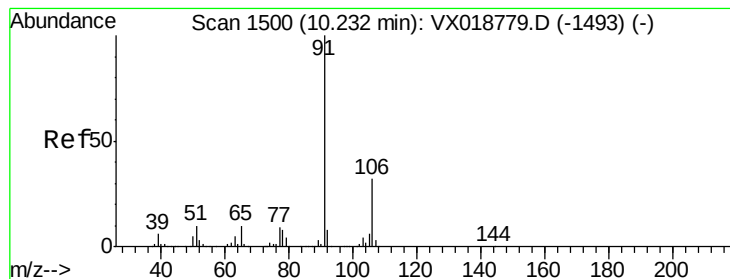


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0





#54

Ethylbenzene

Concen: 0.197 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018784.D

Acq: 05 Oct 2020 23:26

Instrument :

MSVOA\_X

ClientSampled :

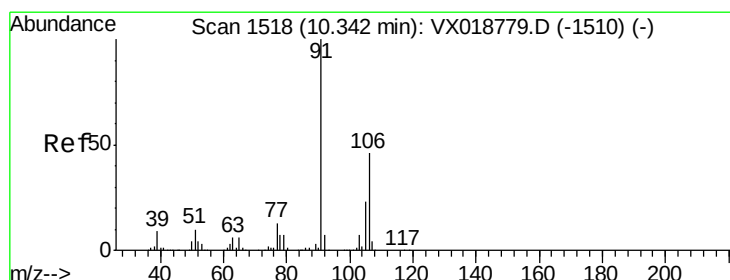
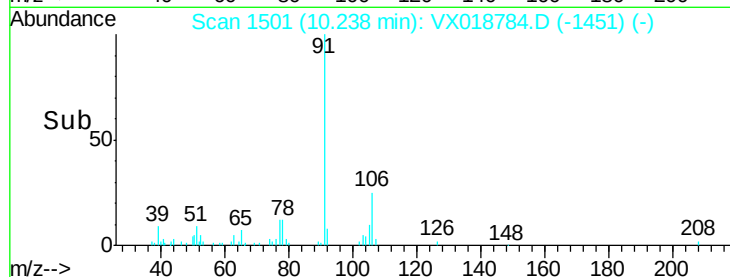
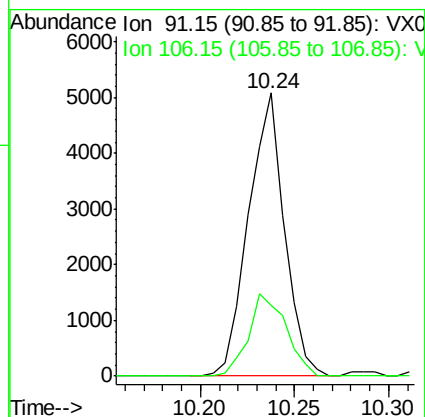
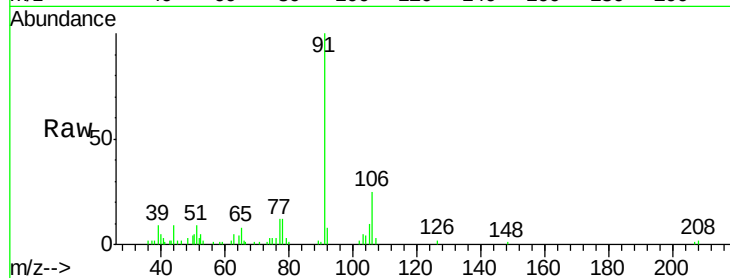
BG3R3DL

Tot Ion: 91 Resp: 6713

Ion Ratio Lower Upper

91 100

106 24.9 21.5 39.9



#55

m,p-xylene

Concen: 0.300 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018784.D

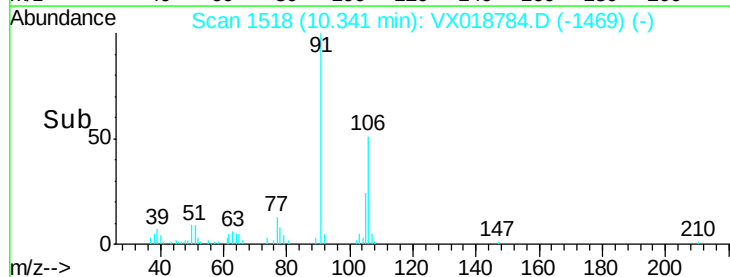
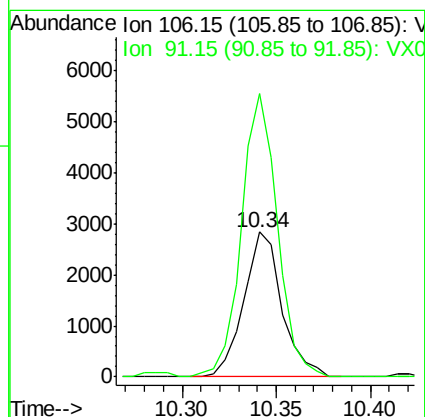
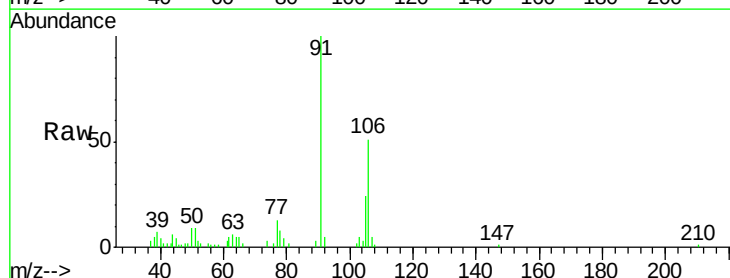
Acq: 05 Oct 2020 23:26

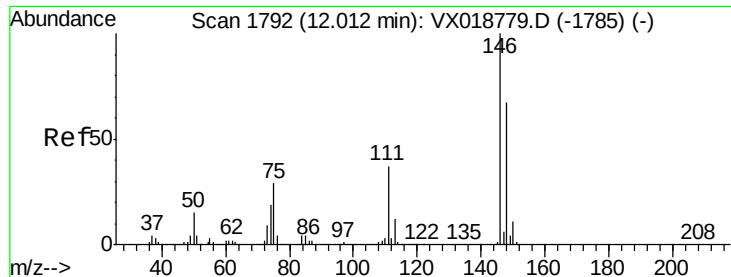
Tgt Ion: 106 Resp: 3980

Ion Ratio Lower Upper

106 100

91 195.1 143.4 266.2

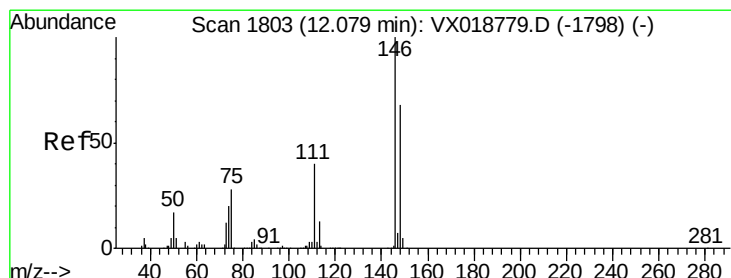
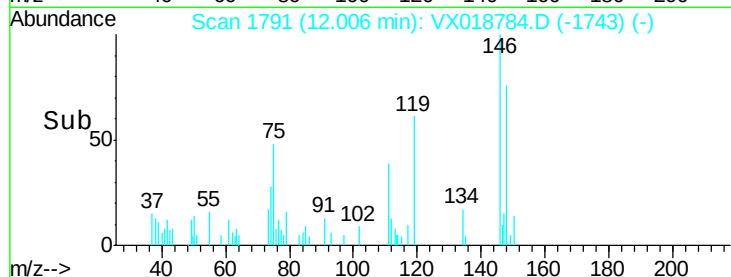
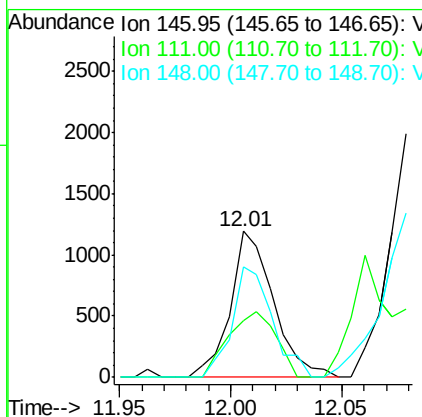
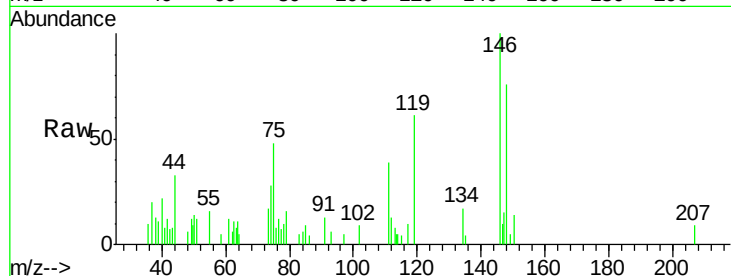




#63  
 1,3-Dichlorobenzene  
 Concen: 0.112 ug/L  
 RT: 12.01 min Scan# 1791  
 Delta R.T. -0.01 min  
 Lab File: VX018784.D  
 Acq: 05 Oct 2020 23:26

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 BG3R3DL

Tot Ion:146 Resp: 1616  
 Ion Ratio Lower Upper  
 146 100  
 111 39.3 28.4 52.8  
 148 76.2 45.9 85.3



#64  
 1,4-Dichlorobenzene  
 Concen: 0.171 ug/L  
 RT: 12.08 min Scan# 1803  
 Delta R.T. -0.00 min  
 Lab File: VX018784.D  
 Acq: 05 Oct 2020 23:26

Tgt Ion:146 Resp: 2470  
 Ion Ratio Lower Upper  
 146 100  
 111 27.9 28.6 53.2#  
 148 67.7 44.2 82.0

