

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100620\  
 Data File : VX018796.D  
 Acq On : 06 Oct 2020 13:50  
 Operator : JC/SP  
 Sample : L4240-03 10X  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG3R0

Quant Time: Oct 07 02:15:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR100220WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 07 01:30:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 132730   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 131887   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 68328    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 37787    | 4.87     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 97.40%   |
| 7) Chloroethane-d5             | 1.70   | 69    | 33287    | 5.49     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 109.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 64677    | 3.70     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 74.00%   |
| 20) 2-Butanone-d5              | 4.56   | 46    | 134898   | 66.33    | ug/L | 0.01     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 132.66%# |
| 24) Chloroform-d               | 5.14   | 84    | 94289    | 5.03     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.60%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 54780    | 4.78     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.60%   |
| 32) Benzene-d6                 | 6.05   | 84    | 173333   | 5.29     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.80%  |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 53261    | 5.62     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 112.40%  |
| 41) Toluene-d8                 | 8.70   | 98    | 168541   | 5.22     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 29407    | 5.77     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 115.40%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 112722   | 65.98    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 131.96%# |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 42912    | 5.57     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 111.40%  |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 69771    | 5.54     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.80%  |

## Target Compounds

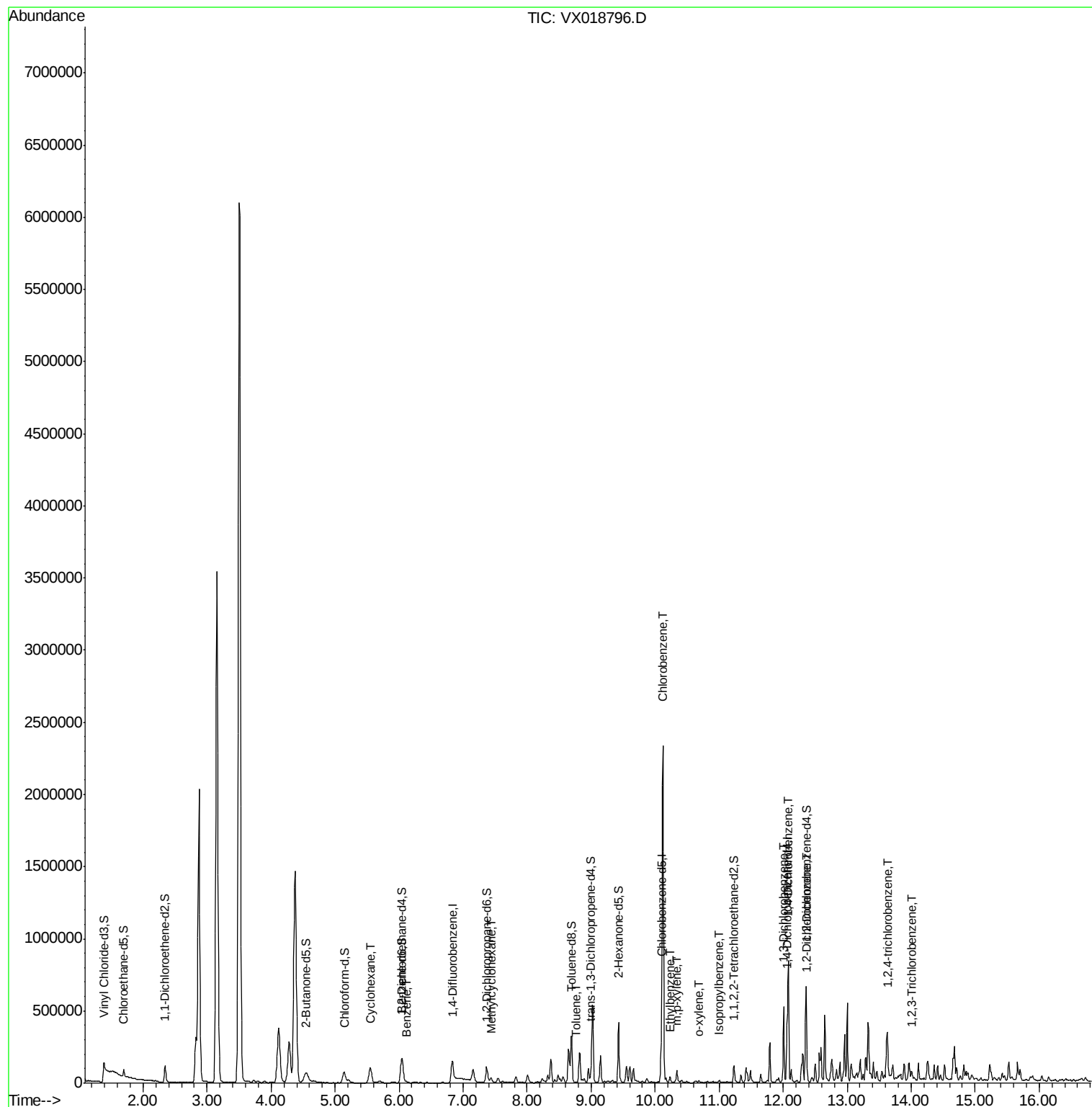
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 30) Cyclohexane            | 5.55  | 56   | 68273    | 6.309  | ug/L   | 98     |
| 33) Benzene                | 6.12  | 78   | 8665     | 0.314  | ug/L   | 100    |
| 35) Methylcyclohexane      | 7.44  | 83   | 11786    | 1.020  | ug/L # | 83     |
| 42) Toluene                | 8.76  | 91   | 3251     | 0.108  | ug/L   | 85     |
| 53) Chlorobenzene          | 10.12 | 112  | 983278   | 47.566 | ug/L   | 94     |
| 54) Ethylbenzene           | 10.23 | 91   | 18378    | 0.542  | ug/L   | 96     |
| 55) m,p-xylene             | 10.34 | 106  | 17369    | 1.314  | ug/L   | 96     |
| 56) o-xylene               | 10.68 | 106  | 2654     | 0.217  | ug/L   | 96     |
| 58) Isopropylbenzene       | 11.00 | 105  | 8348     | 0.244  | ug/L # | 94     |
| 63) 1,3-Dichlorobenzene    | 12.01 | 146  | 156888   | 9.447  | ug/L   | 95     |
| 64) 1,4-Dichlorobenzene    | 12.08 | 146  | 254070   | 15.340 | ug/L   | 98     |
| 66) 1,2-Dichlorobenzene    | 12.37 | 146  | 7939     | 0.512  | ug/L # | 85     |
| 69) 1,2,4-trichlorobenzene | 13.63 | 180  | 40061    | 3.775  | ug/L # | 90     |
| 71) 1,2,3-Trichlorobenzene | 14.00 | 180  | 6187     | 0.648  | ug/L # | 57     |

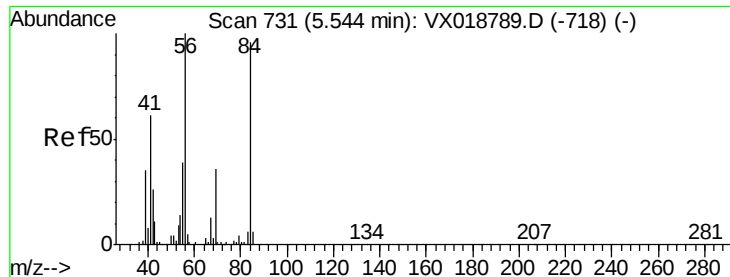
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100620\  
Data File : VX018796.D  
Acq On : 06 Oct 2020 13:50  
Operator : JC/SP  
Sample : L4240-03 10X  
Misc : 25.0mL/MSVOA X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BG3R0

Quant Time: Oct 07 02:15:26 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR100220WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 07 01:30:09 2020  
Response via : Initial Calibration

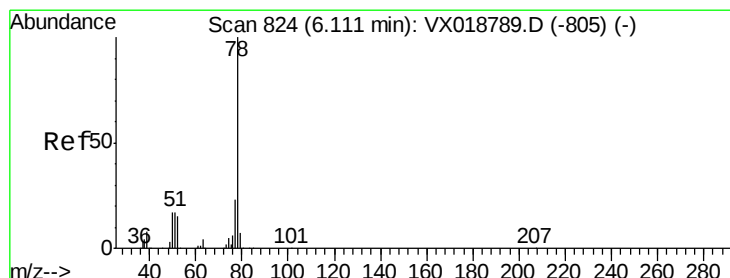
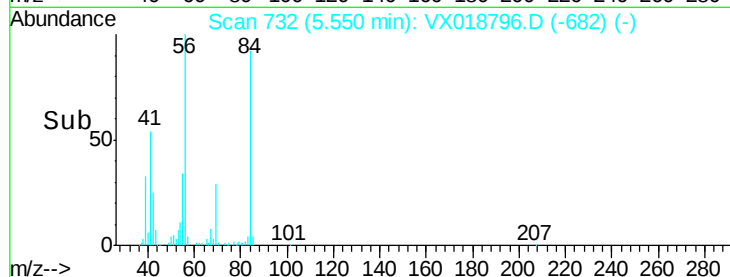
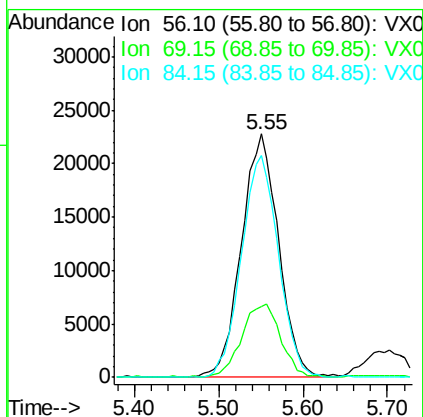
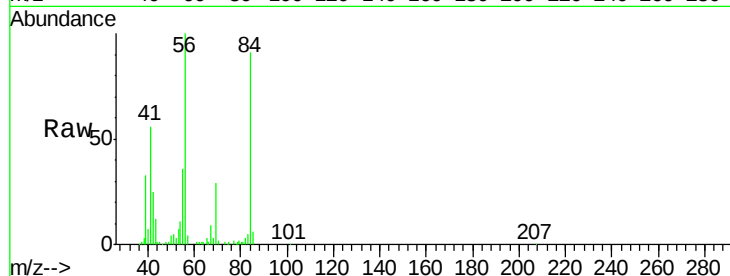




#30  
Cyclohexane  
Concen: 6.309 ug/L  
RT: 5.55 min Scan# 732  
Delta R.T. 0.01 min  
Lab File: VX018796.D  
Acq: 06 Oct 2020 13:50

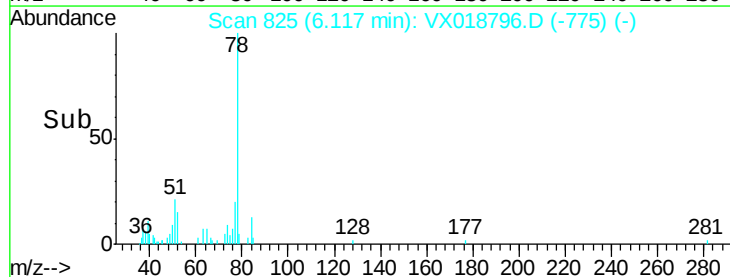
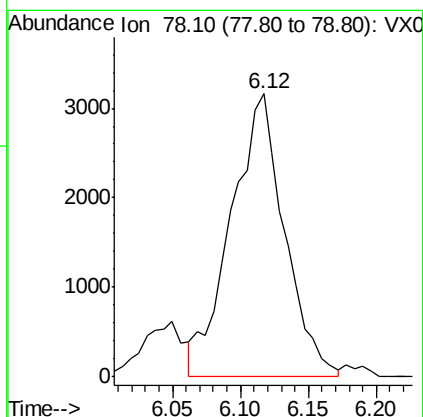
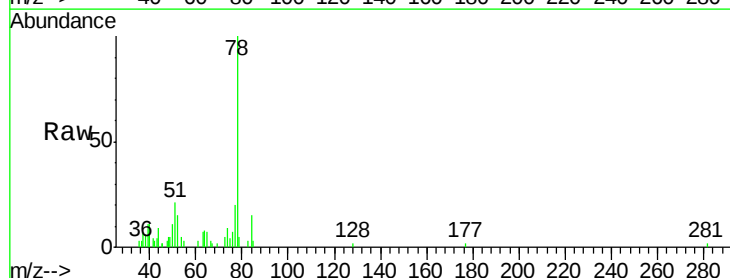
Instrument :  
MSVOA\_X  
ClientSampleId :  
BG3R0

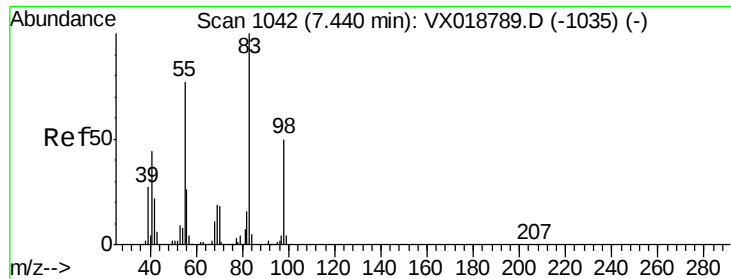
Tot Ion: 56 Resp: 68273  
Ion Ratio Lower Upper  
56 100  
69 31.7 26.0 39.0  
84 90.7 73.8 110.6



#33  
Benzene  
Concen: 0.314 ug/L  
RT: 6.12 min Scan# 825  
Delta R.T. 0.01 min  
Lab File: VX018796.D  
Acq: 06 Oct 2020 13:50

Tgt Ion: 78 Resp: 8665

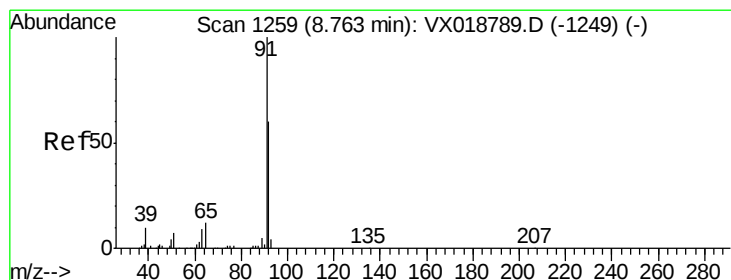
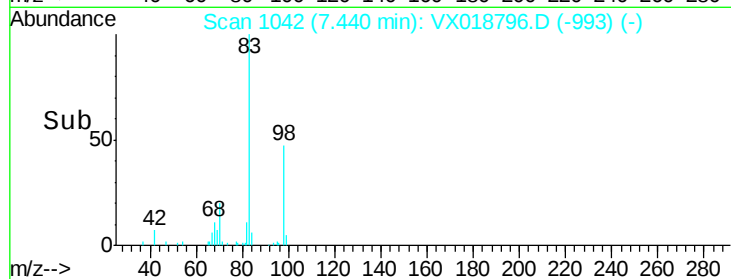
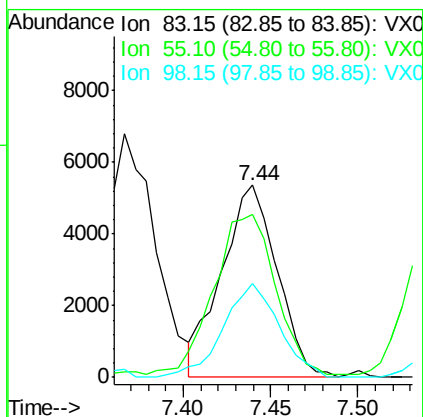
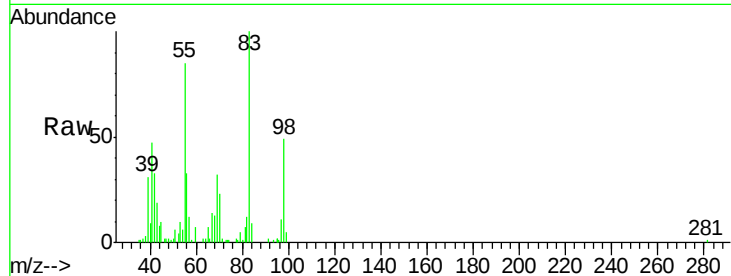




#35  
Methylvlcvclohexane  
Concen: 1.020 ug/L  
RT: 7.44 min Scan# 1042  
Delta R.T. 0.00 min  
Lab File: VX018796.D  
Acq: 06 Oct 2020 13:50

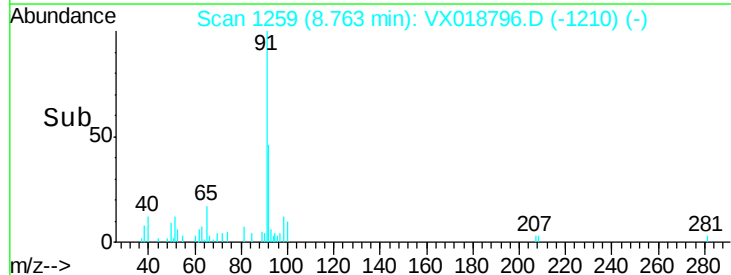
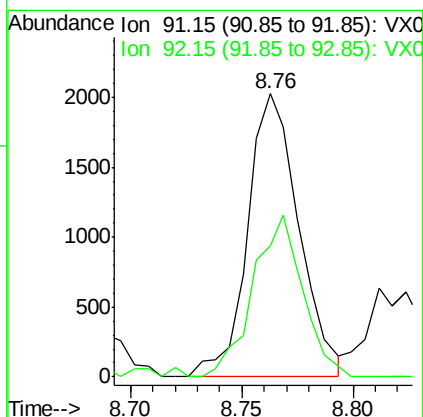
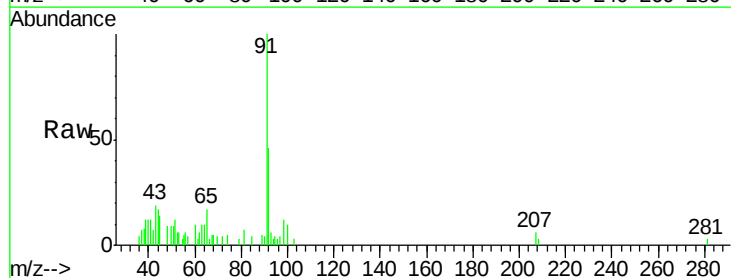
Instrument :  
MSVOA\_X  
ClientSampleId :  
BG3R0

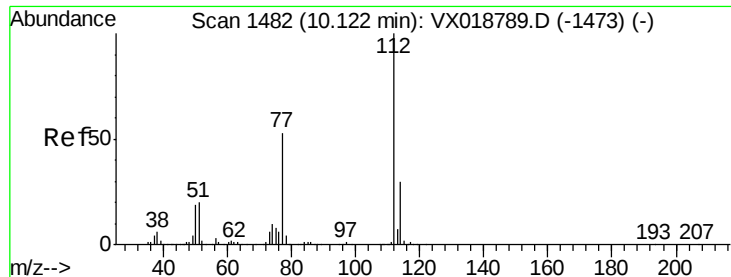
Tot Ion: 83 Resp: 11786  
Ion Ratio Lower Upper  
83 100  
55 98.9 60.3 90.5#  
98 49.4 39.4 59.0



#42  
Toluene  
Concen: 0.108 ug/L  
RT: 8.76 min Scan# 1259  
Delta R.T. 0.00 min  
Lab File: VX018796.D  
Acq: 06 Oct 2020 13:50

Tgt Ion: 91 Resp: 3251  
Ion Ratio Lower Upper  
91 100  
92 46.4 40.3 74.9





#53

Chlorobenzene

Concen: 47.566 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018796.D

Acq: 06 Oct 2020 13:50

Instrument :

MSVOA\_X

ClientSampleId :

BG3R0

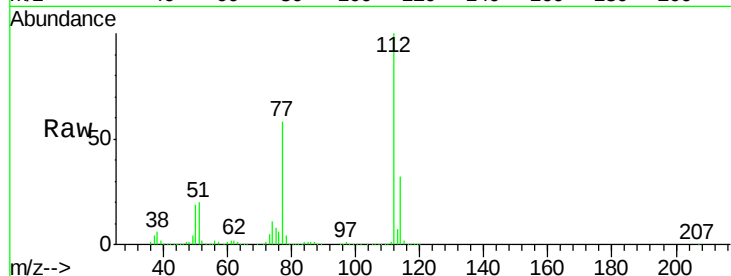
Tot Ion:112 Resp: 983278

Ion Ratio Lower Upper

112 100

114 32.5 21.3 39.5

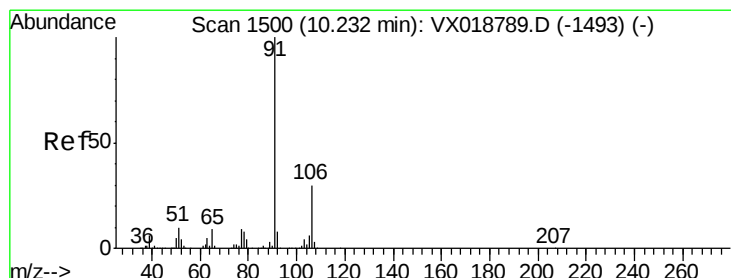
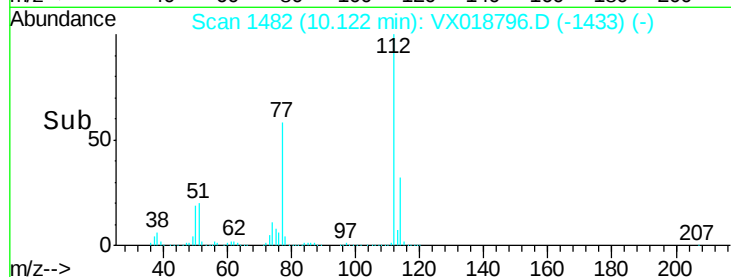
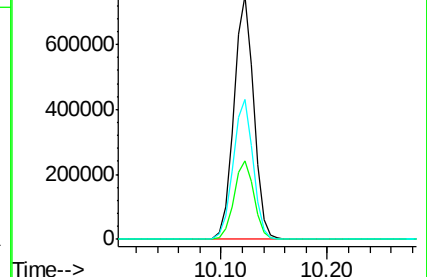
77 57.6 42.4 63.6



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): V



#54

Ethylbenzene

Concen: 0.542 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX018796.D

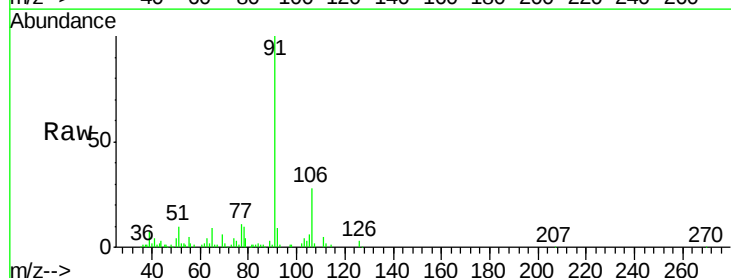
Acq: 06 Oct 2020 13:50

Tgt Ion: 91 Resp: 18378

Ion Ratio Lower Upper

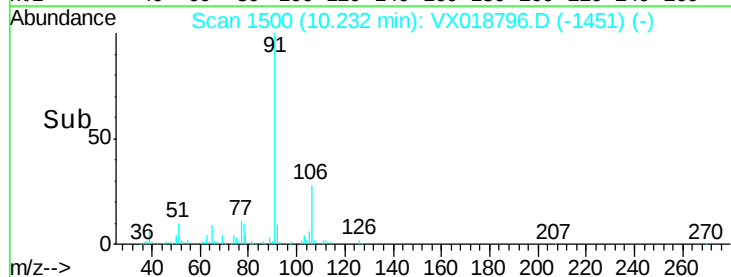
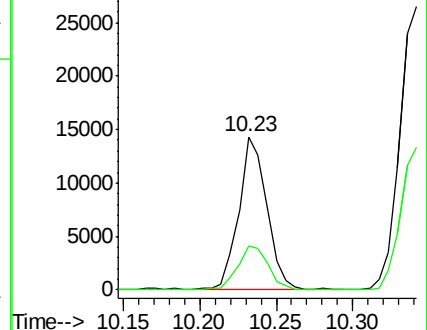
91 100

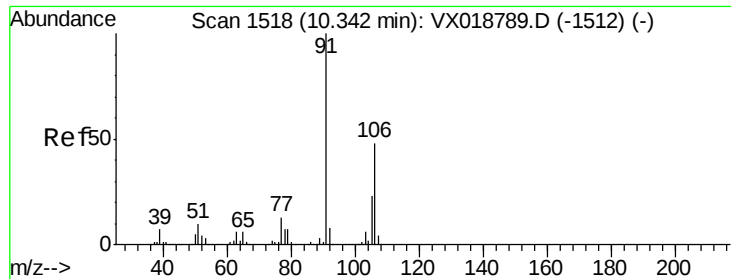
106 28.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 1.314 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018796.D

Acq: 06 Oct 2020 13:50

Instrument :

MSVOA\_X

ClientSampled :

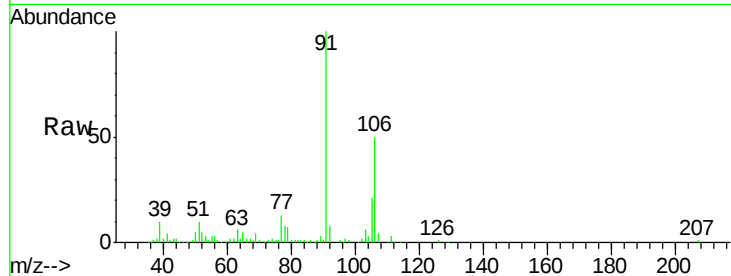
BG3R0

Tot Ion:106 Resp: 17369

Ion Ratio Lower Upper

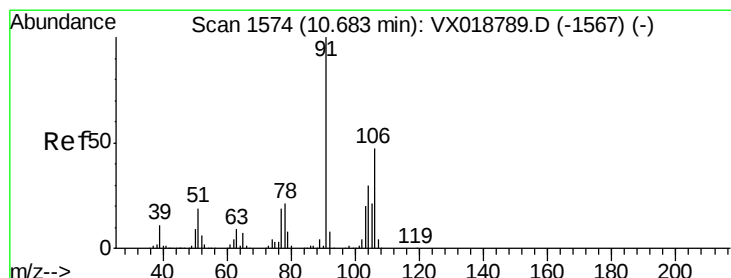
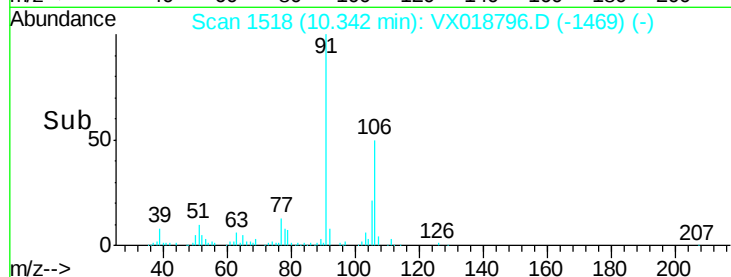
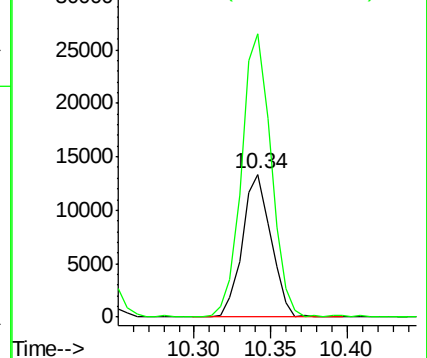
106 100

91 198.1 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.217 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018796.D

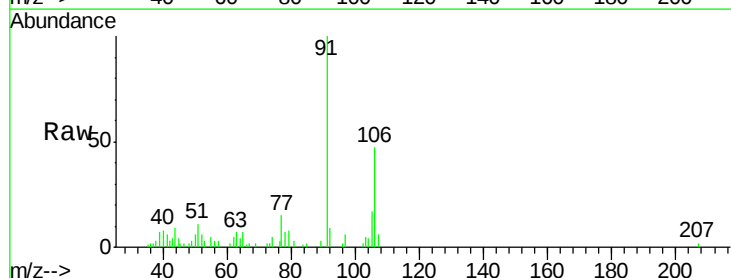
Acq: 06 Oct 2020 13:50

Tgt Ion:106 Resp: 2654

Ion Ratio Lower Upper

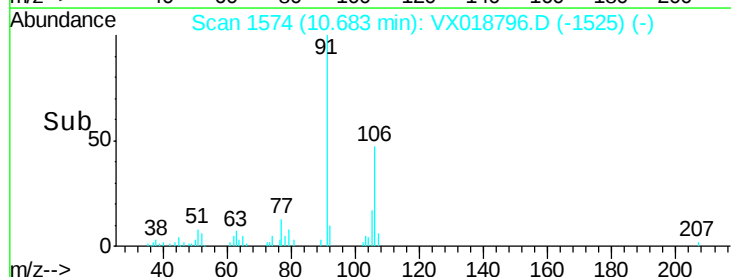
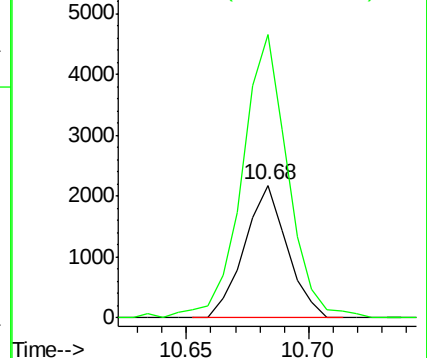
106 100

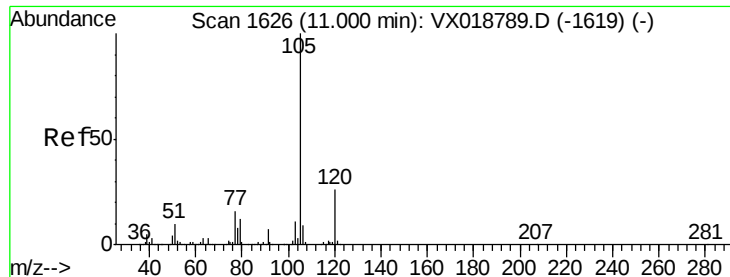
91 213.0 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.244 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018796.D

Acq: 06 Oct 2020 13:50

Instrument :

MSVOA\_X

ClientSampleId :

BG3R0

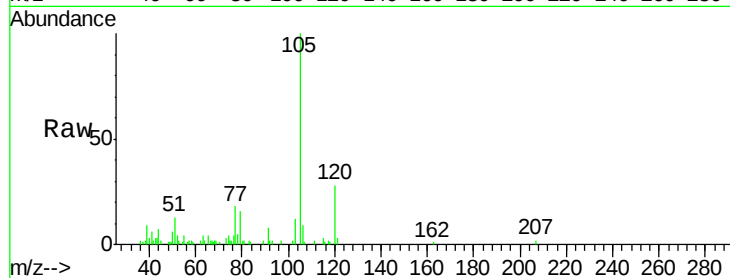
Tot Ion:105 Resp: 8348

Ion Ratio Lower Upper

105 100

120 26.4 20.2 30.2

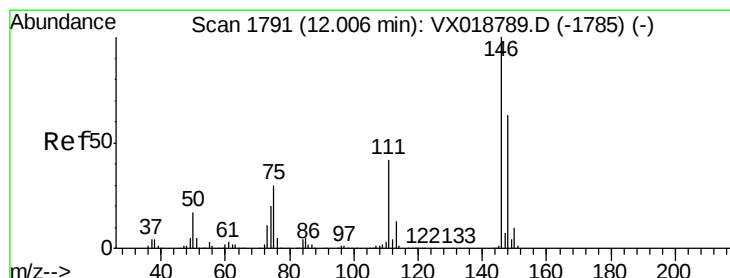
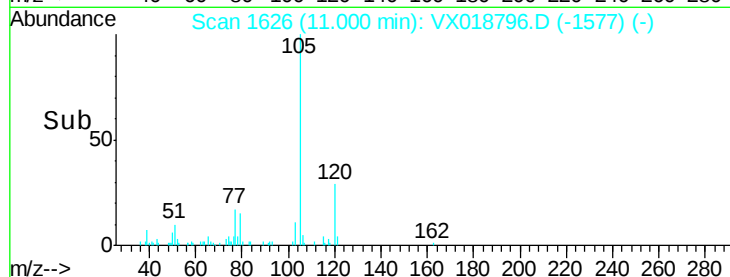
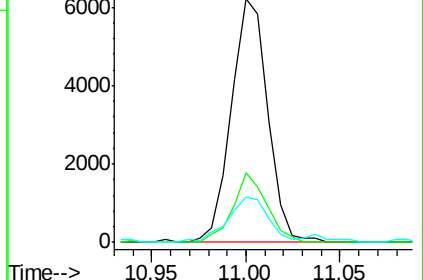
77 21.2 13.3 19.9#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#63

1,3-Dichlorobenzene

Concen: 9.447 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX018796.D

Acq: 06 Oct 2020 13:50

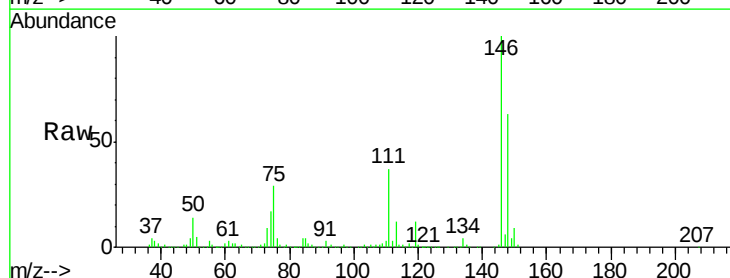
Tgt Ion:146 Resp: 156888

Ion Ratio Lower Upper

146 100

111 36.9 28.4 52.8

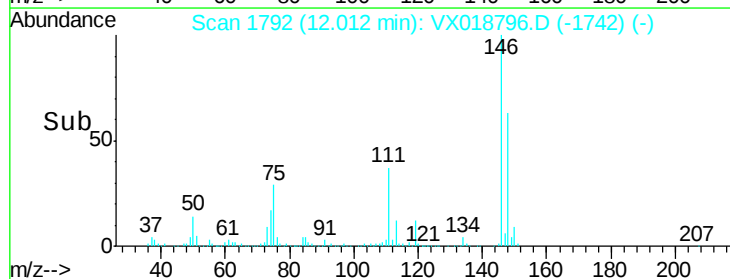
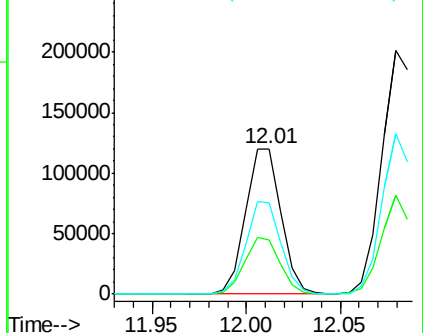
148 62.7 45.9 85.3

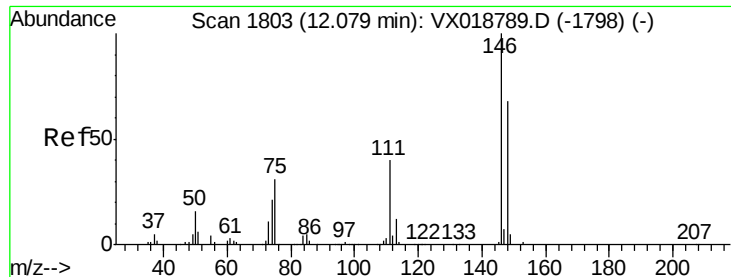


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 15.340 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018796.D

Acq: 06 Oct 2020 13:50

Instrument :

MSVOA\_X

ClientSampled :

BG3R0

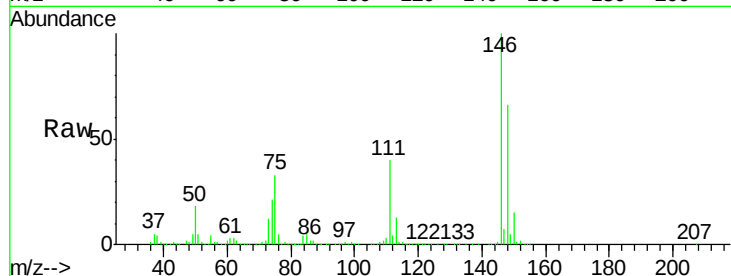
Tot Ion:146 Resp: 254070

Ion Ratio Lower Upper

146 100

111 40.4 28.6 53.2

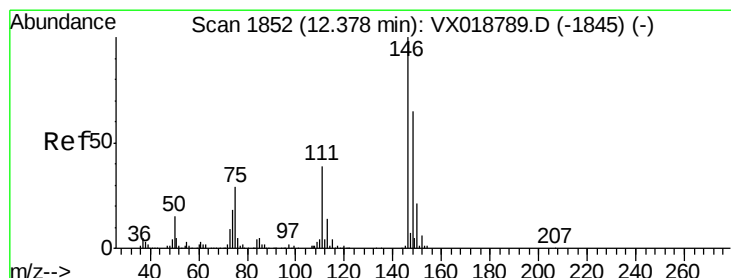
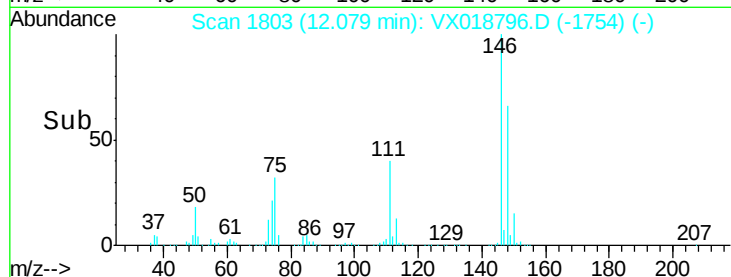
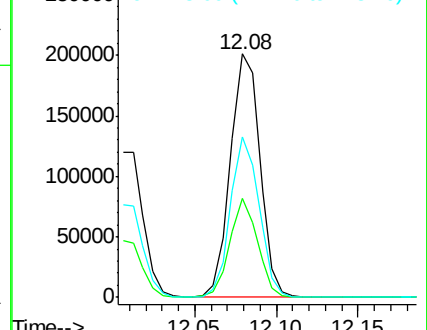
148 65.8 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 0.512 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018796.D

Acq: 06 Oct 2020 13:50

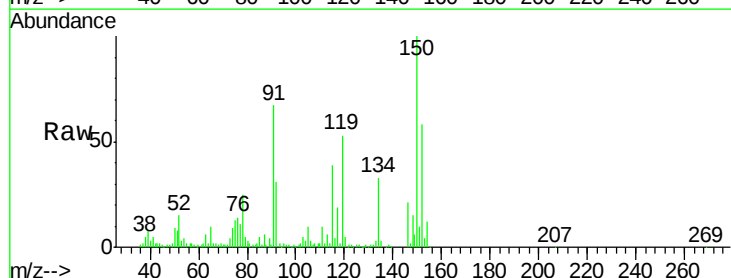
Tgt Ion:146 Resp: 7939

Ion Ratio Lower Upper

146 100

111 50.6 31.7 47.5#

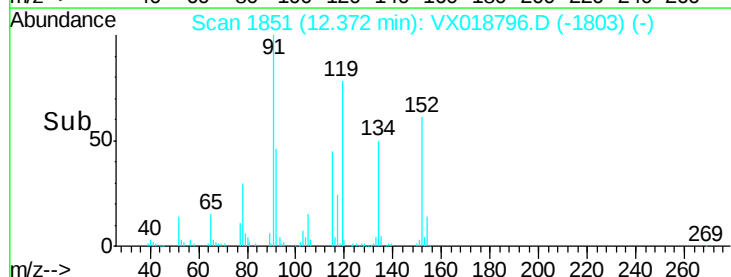
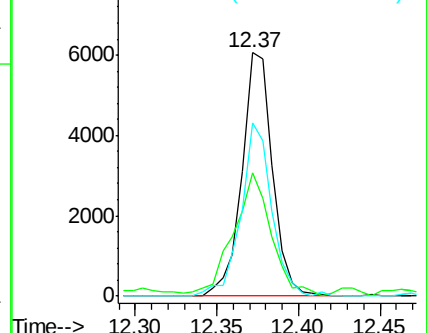
148 71.1 49.0 73.6

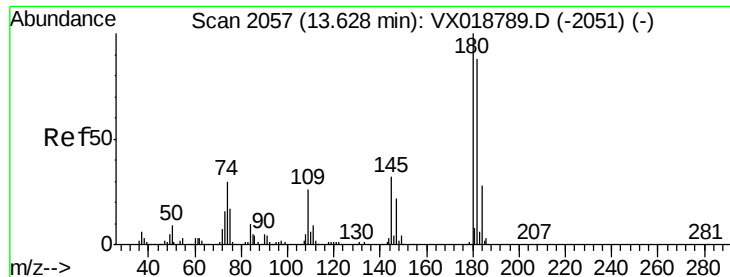


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

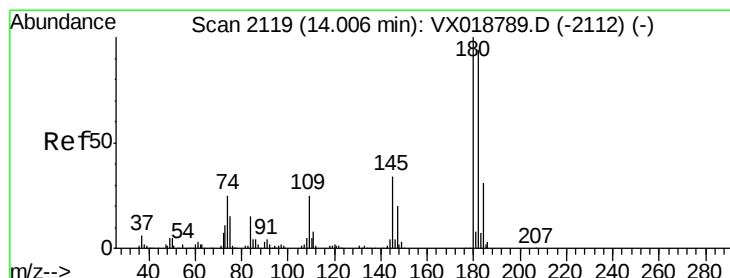
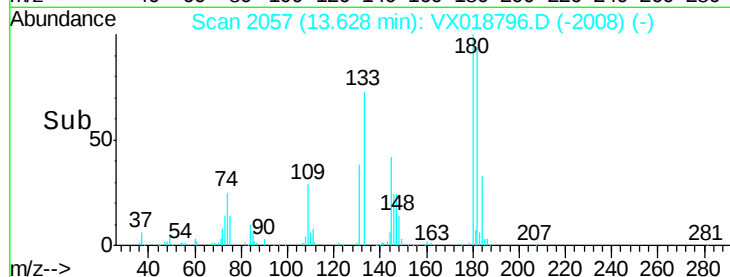
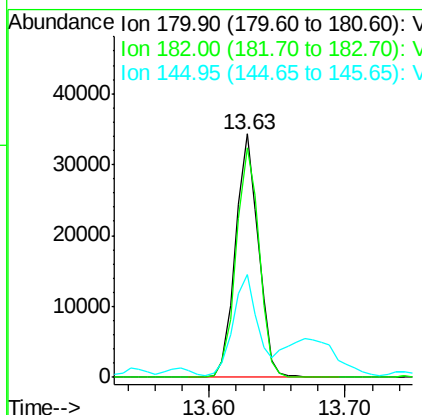
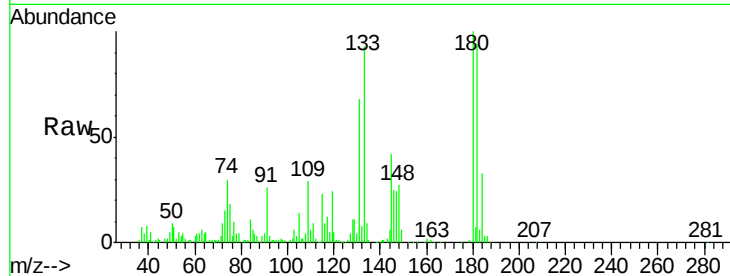




#69  
 1,2,4-trichlorobenzene  
 Concen: 3.775 ug/L  
 RT: 13.63 min Scan# 2057  
 Delta R.T. 0.00 min  
 Lab File: VX018796.D  
 Acq: 06 Oct 2020 13:50

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 BG3R0

Tot Ion:180 Resp: 40061  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 80.2 120.4  
 145 45.4 25.2 37.8#



#71  
 1,2,3-Trichlorobenzene  
 Concen: 0.648 ug/L  
 RT: 14.00 min Scan# 2118  
 Delta R.T. -0.01 min  
 Lab File: VX018796.D  
 Acq: 06 Oct 2020 13:50

Tgt Ion:180 Resp: 6187  
 Ion Ratio Lower Upper  
 180 100  
 182 95.3 73.6 110.4  
 145 120.3 26.6 40.0#

