

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100520\  
 Data File : VX018782.D  
 Acq On : 05 Oct 2020 22:35  
 Operator : JC/SP  
 Sample : L4240-03 40X  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG3R0

Quant Time: Oct 06 06:37:25 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  | 130844   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 127636   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 61388    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 40702    | 5.32     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 106.40%  |
| 7) Chloroethane-d5             | 1.70   | 69    | 34468    | 5.76     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 115.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 71753    | 4.16     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 83.20%   |
| 20) 2-Butanone-d5              | 4.56   | 46    | 137262   | 68.47    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 136.94%# |
| 24) Chloroform-d               | 5.14   | 84    | 99648    | 5.39     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 107.80%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 58187    | 5.15     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.00%  |
| 32) Benzene-d6                 | 6.04   | 84    | 184882   | 5.83     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 116.60%  |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 57378    | 6.26     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 125.20%  |
| 41) Toluene-d8                 | 8.70   | 98    | 170394   | 5.45     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.00%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 25766    | 5.22     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 104.40%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 112858   | 68.26    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 136.52%# |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 45208    | 6.06     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 121.20%# |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 72422    | 6.40     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 128.00%# |

## Target Compounds

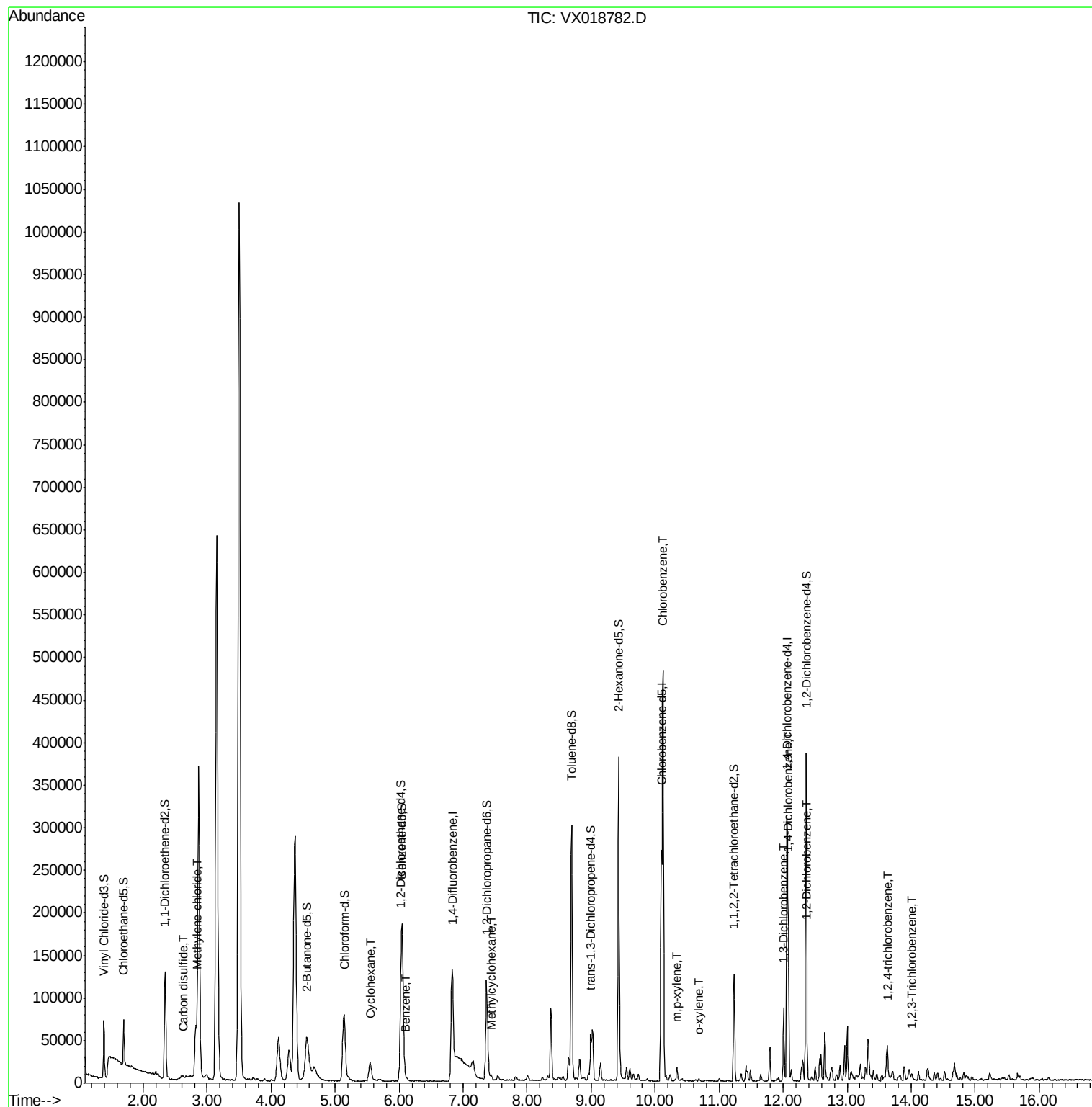
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|----------------------------|-------|------|----------|--------|--------|--------|
| 14) Carbon disulfide       | 2.63  | 76   | 16275    | 0.798  | ug/L   | 95     |
| 16) Methylene chloride     | 2.84  | 84   | 4434     | 0.561  | ug/L # | 66     |
| 30) Cyclohexane            | 5.55  | 56   | 13556    | 1.294  | ug/L   | 93     |
| 33) Benzene                | 6.11  | 78   | 2427     | 0.091  | ug/L   | 100    |
| 35) Methylcyclohexane      | 7.43  | 83   | 1914     | 0.171  | ug/L # | 81     |
| 53) Chlorobenzene          | 10.12 | 112  | 210724   | 10.533 | ug/L   | 97     |
| 55) m,p-xylene             | 10.34 | 106  | 3587     | 0.280  | ug/L   | 84     |
| 56) o-xylene               | 10.68 | 106  | 631      | 0.053  | ug/L   | 77     |
| 63) 1,3-Dichlorobenzene    | 12.01 | 146  | 27008    | 1.810  | ug/L   | 98     |
| 64) 1,4-Dichlorobenzene    | 12.08 | 146  | 46672    | 3.136  | ug/L   | 98     |
| 66) 1,2-Dichlorobenzene    | 12.38 | 146  | 1745     | 0.125  | ug/L   | 91     |
| 69) 1,2,4-trichlorobenzene | 13.63 | 180  | 6028     | 0.632  | ug/L   | 87     |
| 71) 1,2,3-Trichlorobenzene | 14.01 | 180  | 1026     | 0.120  | ug/L # | 86     |

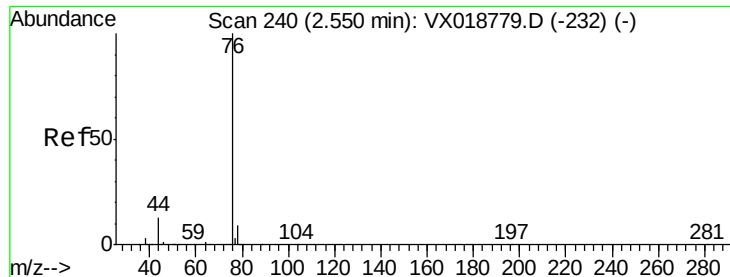
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BG3R0

Quant Time: Oct 06 06:37:25 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





#14

Carbon disulfide

Concen: 0.798 ug/L

RT: 2.63 min Scan# 253

Delta R.T. 0.08 min

Lab File: VX018782.D

Acq: 05 Oct 2020 22:35

Instrument :

MSVOA\_X

ClientSampled :

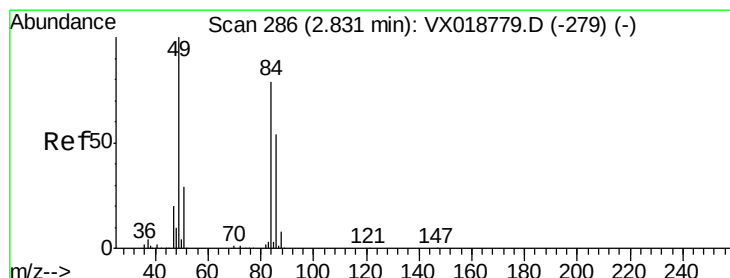
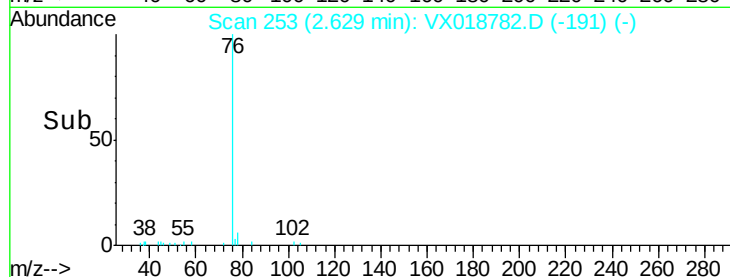
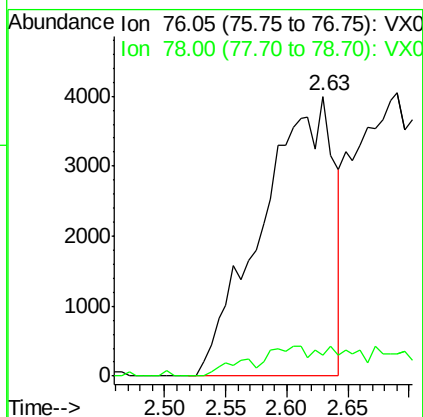
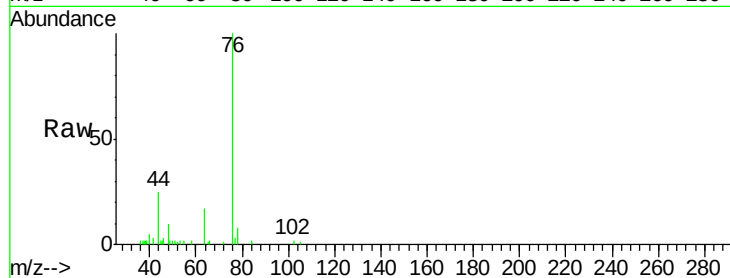
BG3R0

Tot Ion: 76 Resp: 16275

Ion Ratio Lower Upper

76 100

78 7.6 7.4 11.2



#16

Methylene chloride

Concen: 0.561 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018782.D

Acq: 05 Oct 2020 22:35

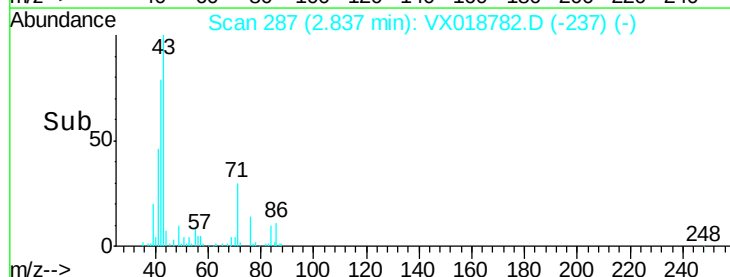
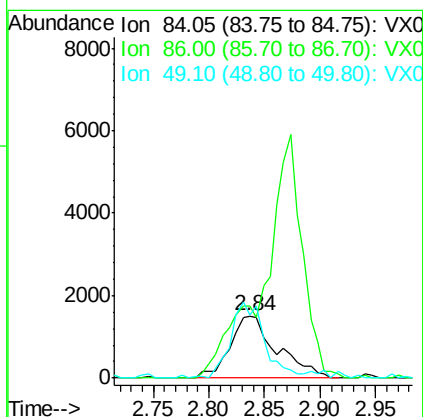
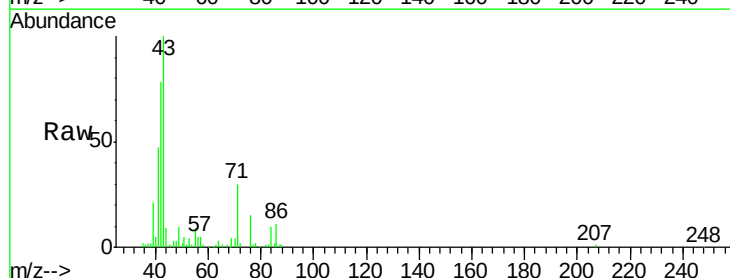
Tgt Ion: 84 Resp: 4434

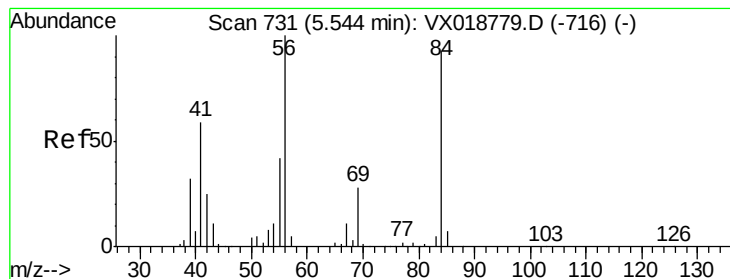
Ion Ratio Lower Upper

84 100

86 115.4 45.6 84.8#

49 101.9 85.8 159.3





#30

Cyclohexane

Concen: 1.294 ug/L

RT: 5.55 min Scan# 732

Delta R.T. 0.01 min

Lab File: VX018782.D

Acq: 05 Oct 2020 22:35

Instrument :

MSVOA\_X

ClientSampleId :

BG3R0

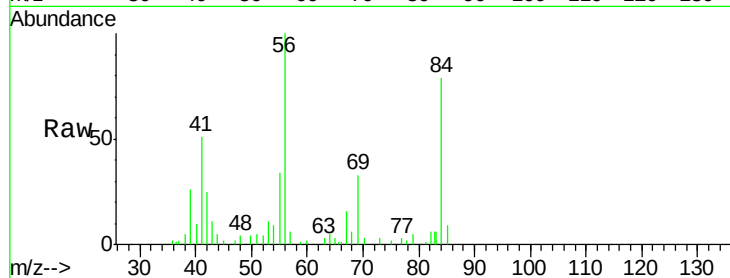
Tot Ion: 56 Resp: 13556

Ion Ratio Lower Upper

56 100

69 32.7 26.0 39.0

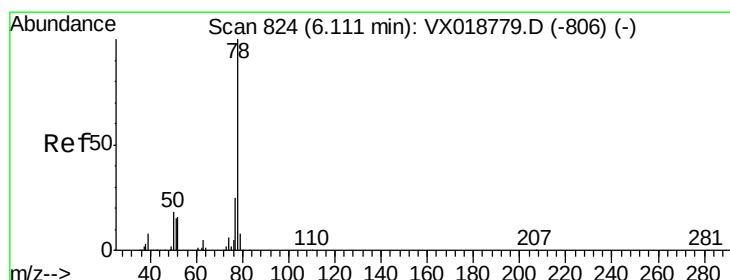
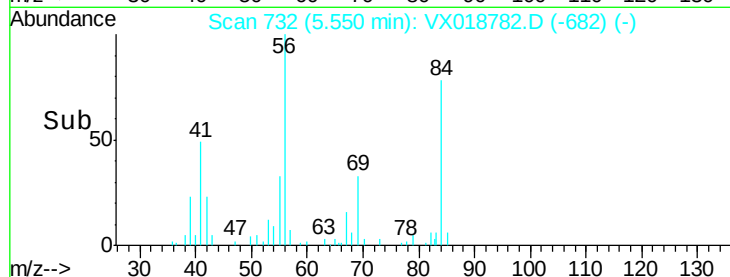
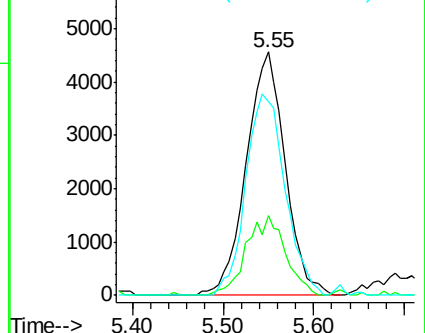
84 83.7 73.8 110.6



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



#33

Benzene

Concen: 0.091 ug/L

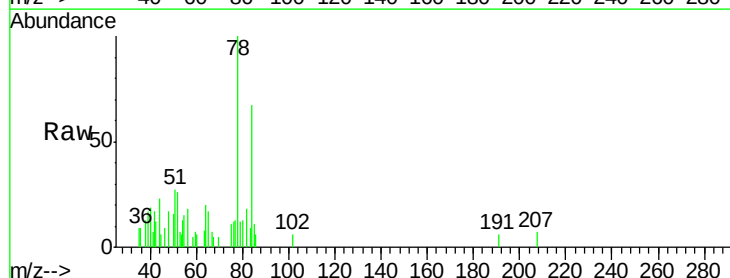
RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

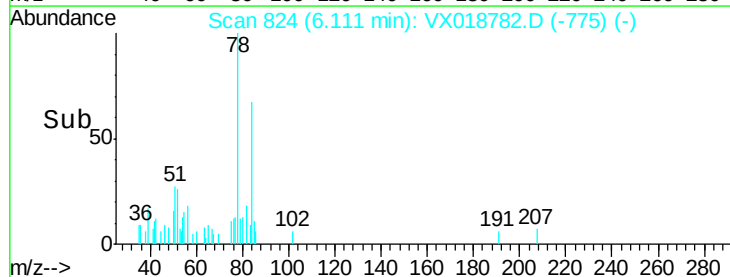
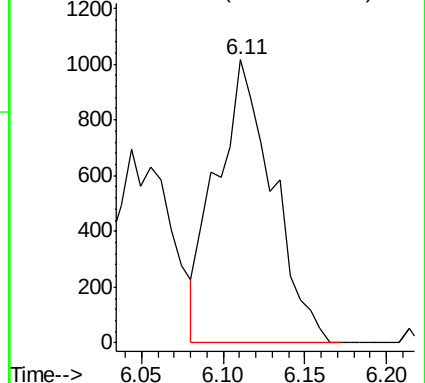
Lab File: VX018782.D

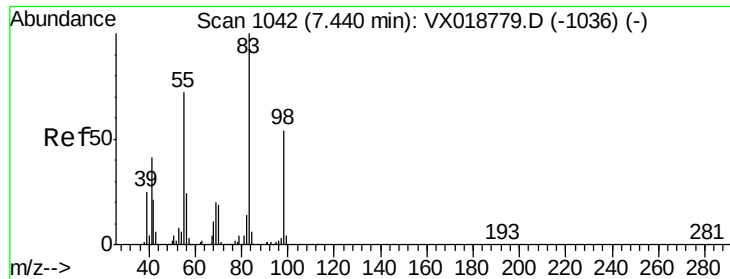
Acq: 05 Oct 2020 22:35

Tgt Ion: 78 Resp: 2427



Abundance Ion 78.10 (77.80 to 78.80): VX0

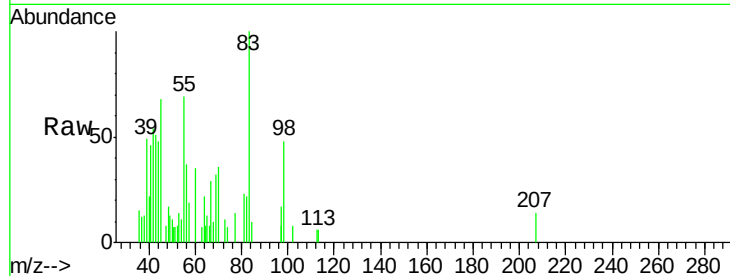




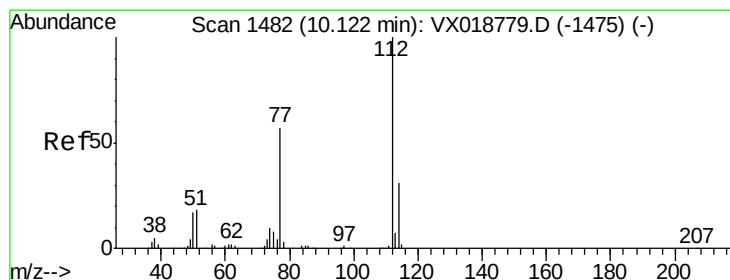
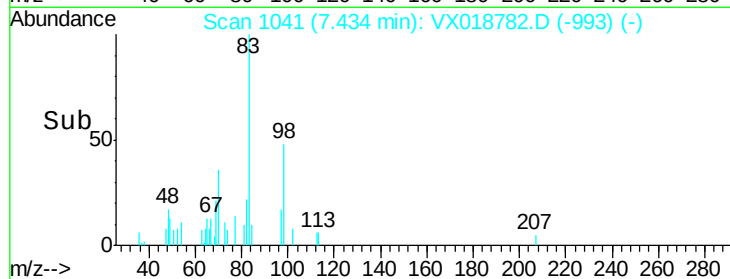
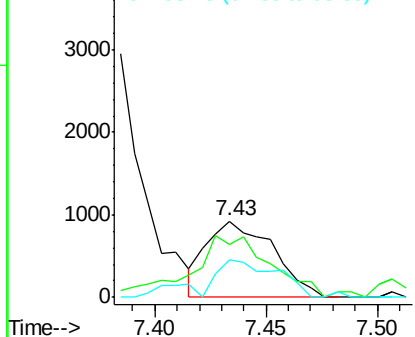
#35  
Methylvlcyclohexane  
Concen: 0.171 ug/L  
RT: 7.43 min Scan# 1041  
Delta R.T. -0.01 min  
Lab File: VX018782.D  
Acq: 05 Oct 2020 22:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
BG3R0

Tot Ion: 83 Resp: 1914  
Ion Ratio Lower Upper  
83 100  
55 97.6 60.3 90.5#  
98 43.6 39.4 59.0

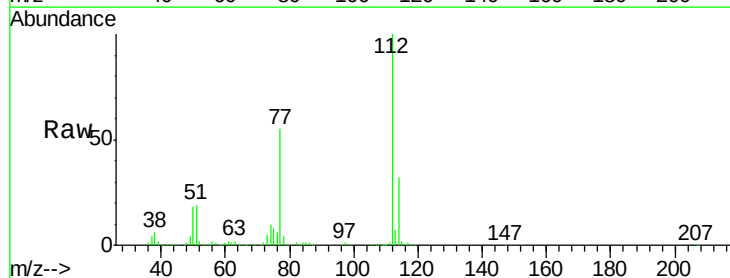


Abundance Ion 83.15 (82.85 to 83.85): VX0  
Ion 55.10 (54.80 to 55.80): VX0  
Ion 98.15 (97.85 to 98.85): VX0

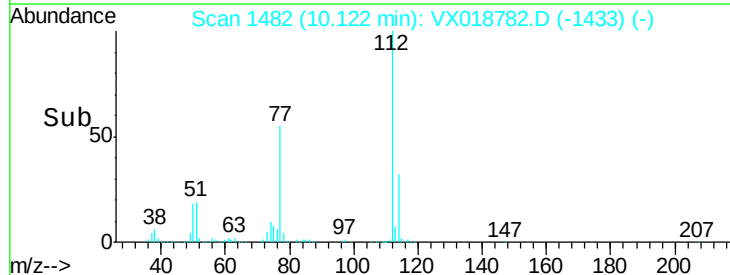
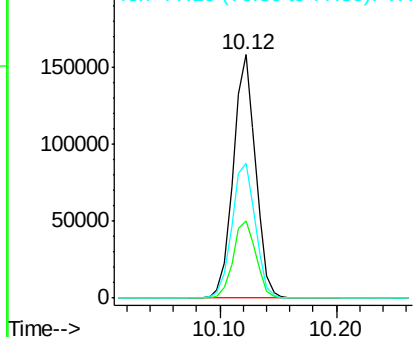


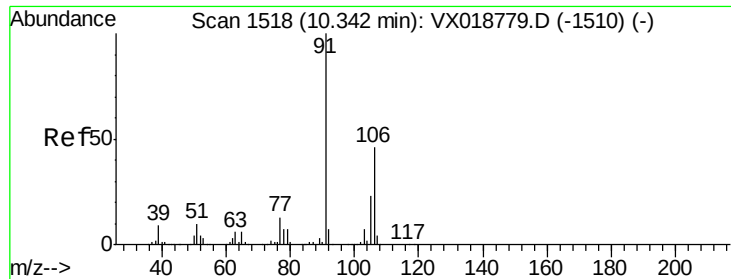
#53  
Chlorobenzene  
Concen: 10.533 ug/L  
RT: 10.12 min Scan# 1482  
Delta R.T. -0.00 min  
Lab File: VX018782.D  
Acq: 05 Oct 2020 22:35

Tgt Ion: 112 Resp: 210724  
Ion Ratio Lower Upper  
112 100  
114 31.7 21.3 39.5  
77 55.2 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





#55

m,p-xylene

Concen: 0.280 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018782.D

Acq: 05 Oct 2020 22:35

Instrument :

MSVOA\_X

ClientSampled :

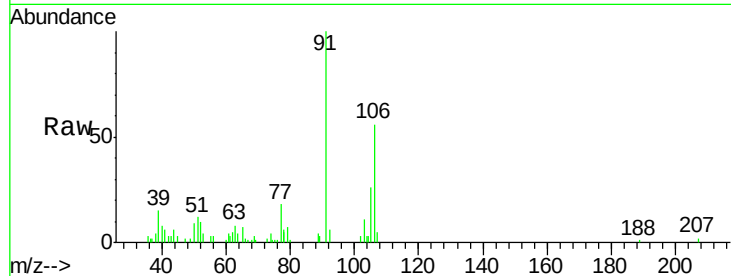
BG3R0

Tot Ion:106 Resp: 3587

Ion Ratio Lower Upper

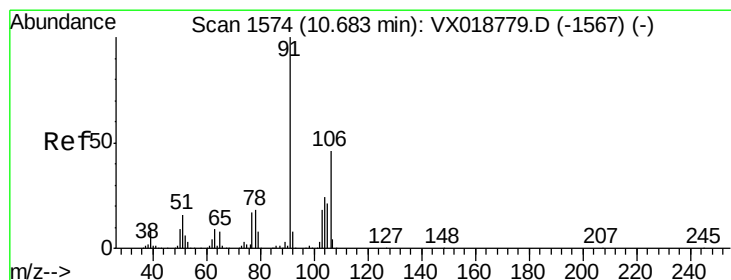
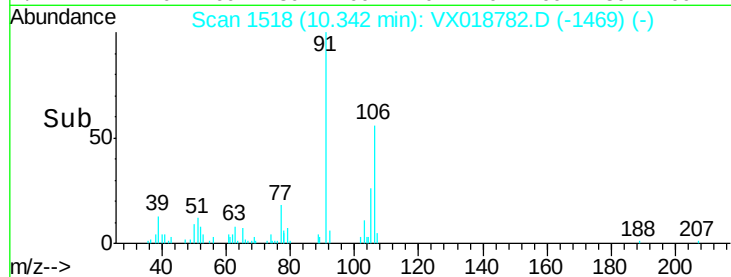
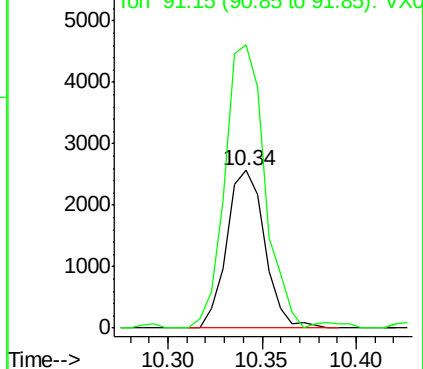
106 100

91 179.9 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.053 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018782.D

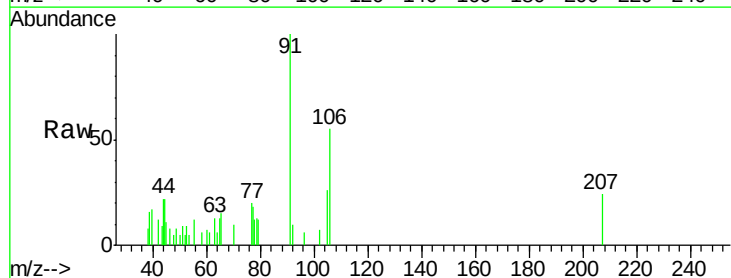
Acq: 05 Oct 2020 22:35

Tgt Ion:106 Resp: 631

Ion Ratio Lower Upper

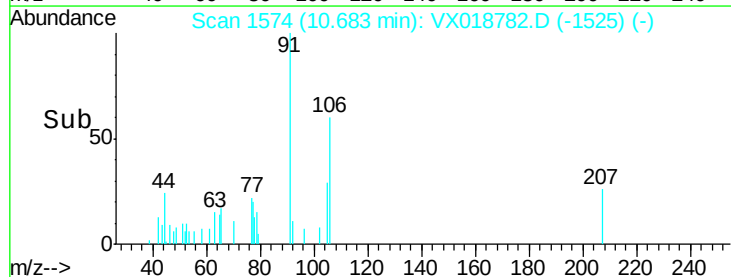
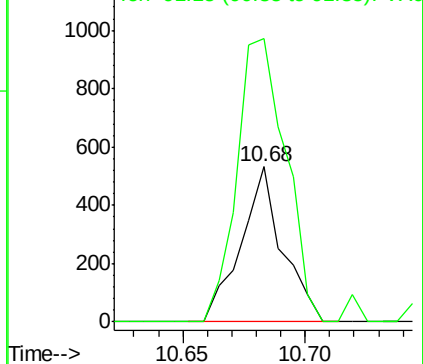
106 100

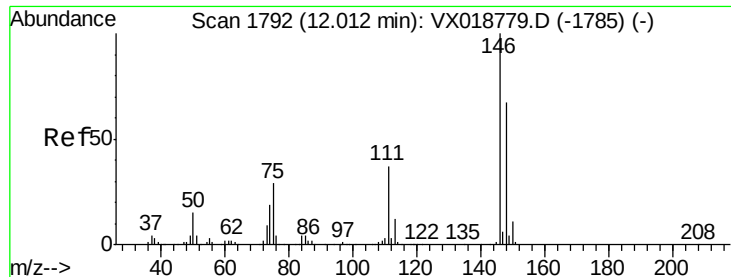
91 182.5 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

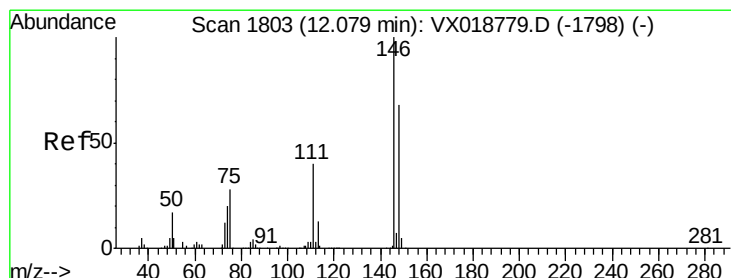
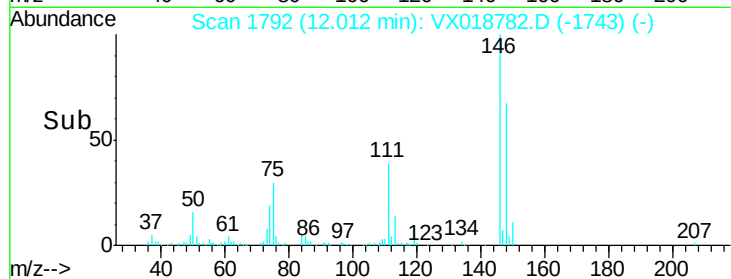
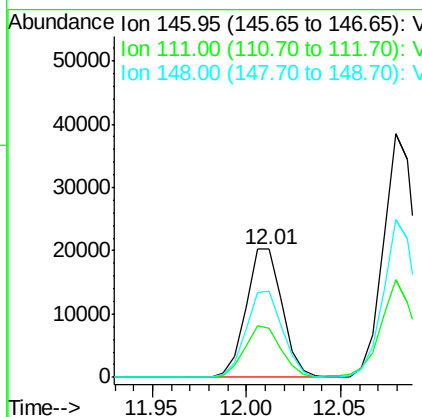
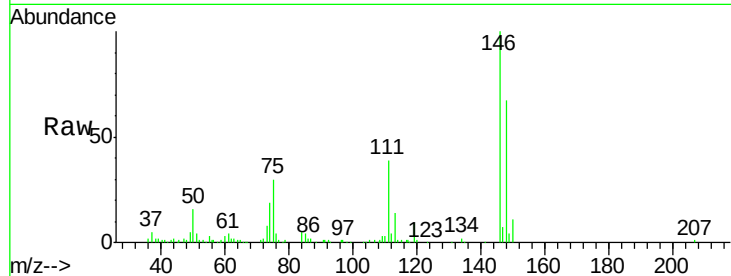




#63  
 1,3-Dichlorobenzene  
 Concen: 1.810 ug/L  
 RT: 12.01 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: VX018782.D  
 Acq: 05 Oct 2020 22:35

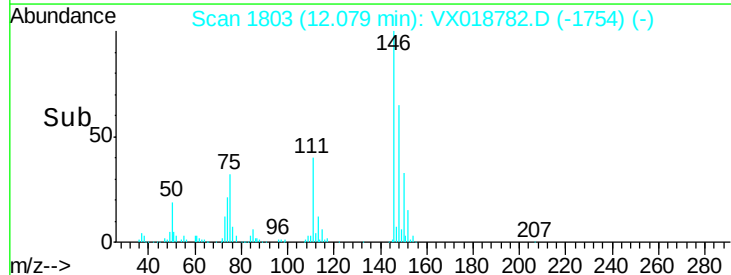
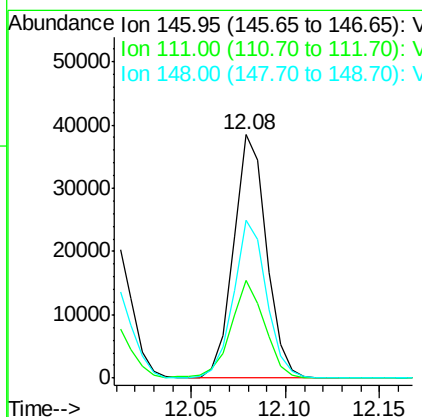
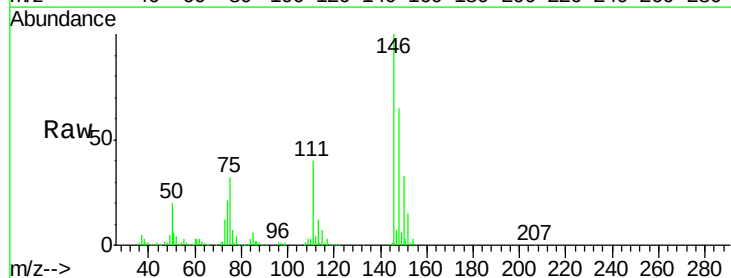
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 BG3R0

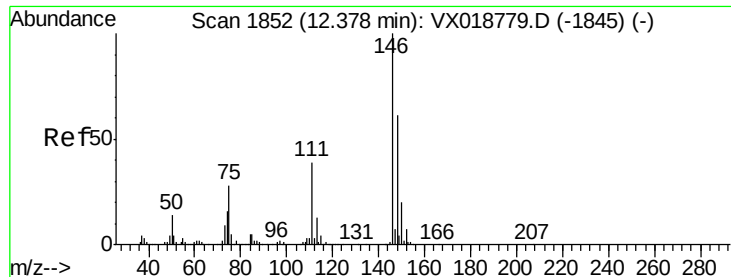
Tot Ion:146 Resp: 27008  
 Ion Ratio Lower Upper  
 146 100  
 111 38.8 28.4 52.8  
 148 67.2 45.9 85.3



#64  
 1,4-Dichlorobenzene  
 Concen: 3.136 ug/L  
 RT: 12.08 min Scan# 1803  
 Delta R.T. -0.00 min  
 Lab File: VX018782.D  
 Acq: 05 Oct 2020 22:35

Tgt Ion:146 Resp: 46672  
 Ion Ratio Lower Upper  
 146 100  
 111 40.2 28.6 53.2  
 148 64.9 44.2 82.0

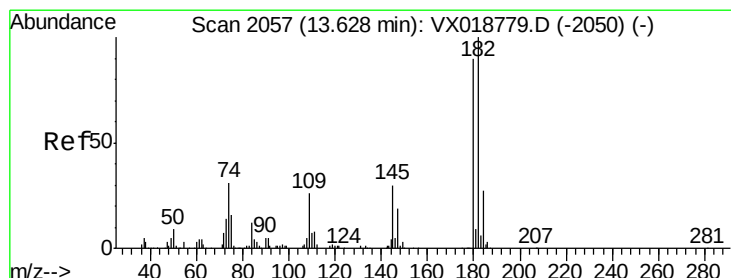
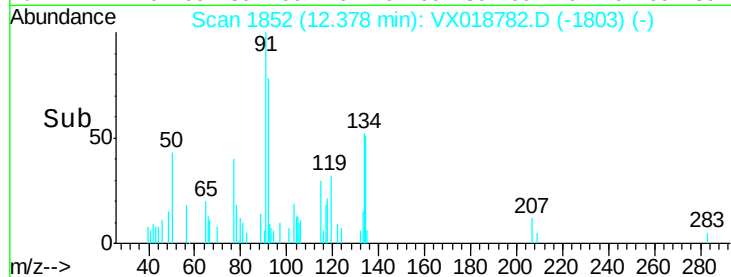
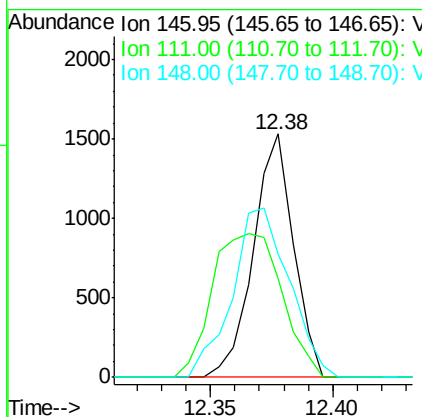
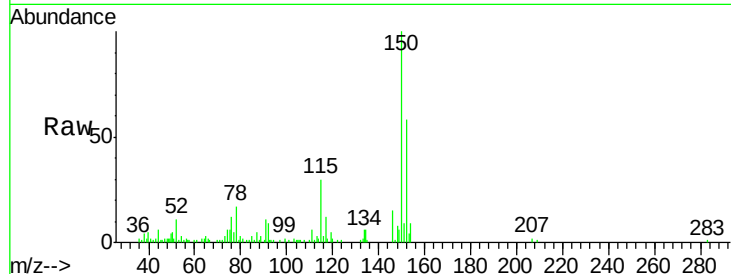




#66  
 1,2-Dichlorobenzene  
 Concen: 0.125 ug/L  
 RT: 12.38 min Scan# 1852  
 Delta R.T. -0.00 min  
 Lab File: VX018782.D  
 Acq: 05 Oct 2020 22:35

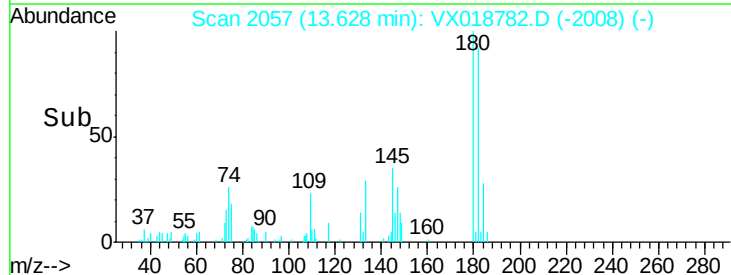
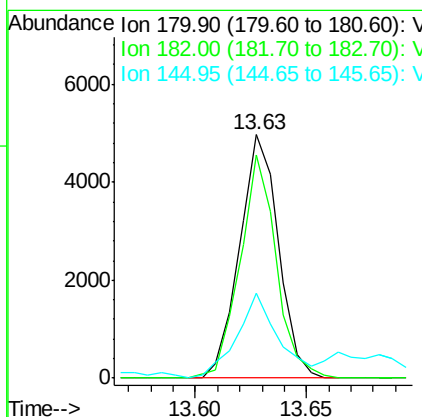
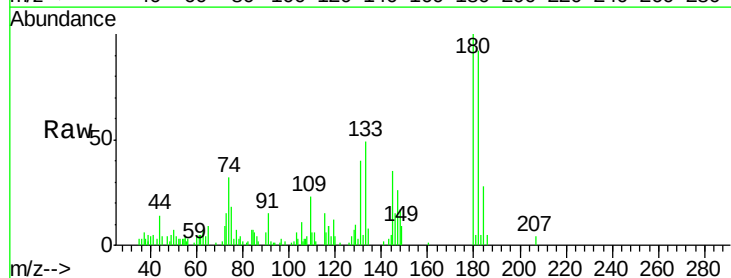
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 BG3R0

Tot Ion:146 Resp: 1745  
 Ion Ratio Lower Upper  
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 111 40.5 31.7 47.5  
 148 50.7 49.0 73.6

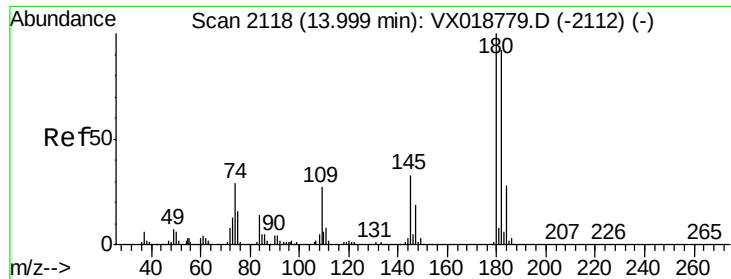


#69  
 1,2,4-trichlorobenzene  
 Concen: 0.632 ug/L  
 RT: 13.63 min Scan# 2057  
 Delta R.T. -0.00 min  
 Lab File: VX018782.D  
 Acq: 05 Oct 2020 22:35

Tgt Ion:180 Resp: 6028  
 Ion Ratio Lower Upper  
 180 100  
 182 86.0 80.2 120.4  
 145 37.5 25.2 37.8







#71

1,2,3-Trichlorobenzene

Concen: 0.120 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX018782.D

Acq: 05 Oct 2020 22:35

Instrument :

MSVOA\_X

ClientSampleId :

BG3R0

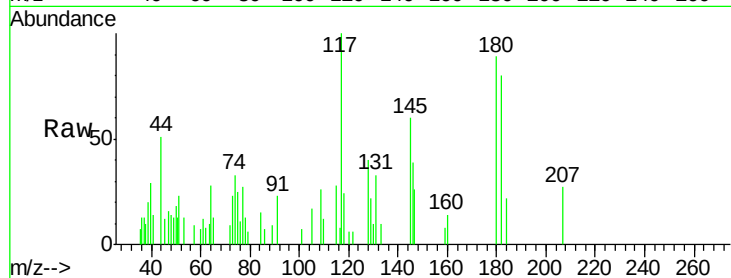
Tot Ion:180 Resp: 1026

Ion Ratio Lower Upper

180 100

182 87.2 73.6 110.4

145 55.8 26.6 40.0#



Abundance Ion 179.90 (179.60 to 180.60): V  
Ion 181.90 (181.60 to 182.60): V  
Ion 144.95 (144.65 to 145.65): V

