

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100620\  
 Data File : VX018790.D  
 Acq On : 06 Oct 2020 11:08  
 Operator : JC/SP  
 Sample : VX1006WBL01  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VBLK80

Quant Time: Oct 07 01:31:11 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  | 114608   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 114014   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 49070    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 29541    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 88.20%  |
| 7) Chloroethane-d5             | 1.70   | 69    | 26589    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.60% |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 53207    | 3.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.40%  |
| 20) 2-Butanone-d5              | 4.56   | 46    | 106518   | 60.66    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 121.32% |
| 24) Chloroform-d               | 5.14   | 84    | 80053    | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.80%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 46633    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40%  |
| 32) Benzene-d6                 | 6.05   | 84    | 136145   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 42537    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.80% |
| 41) Toluene-d8                 | 8.70   | 98    | 116039   | 4.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.00%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 19292    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.60%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 82215    | 55.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 111.32% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 35021    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.20% |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 47500    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.00% |

## Target Compounds

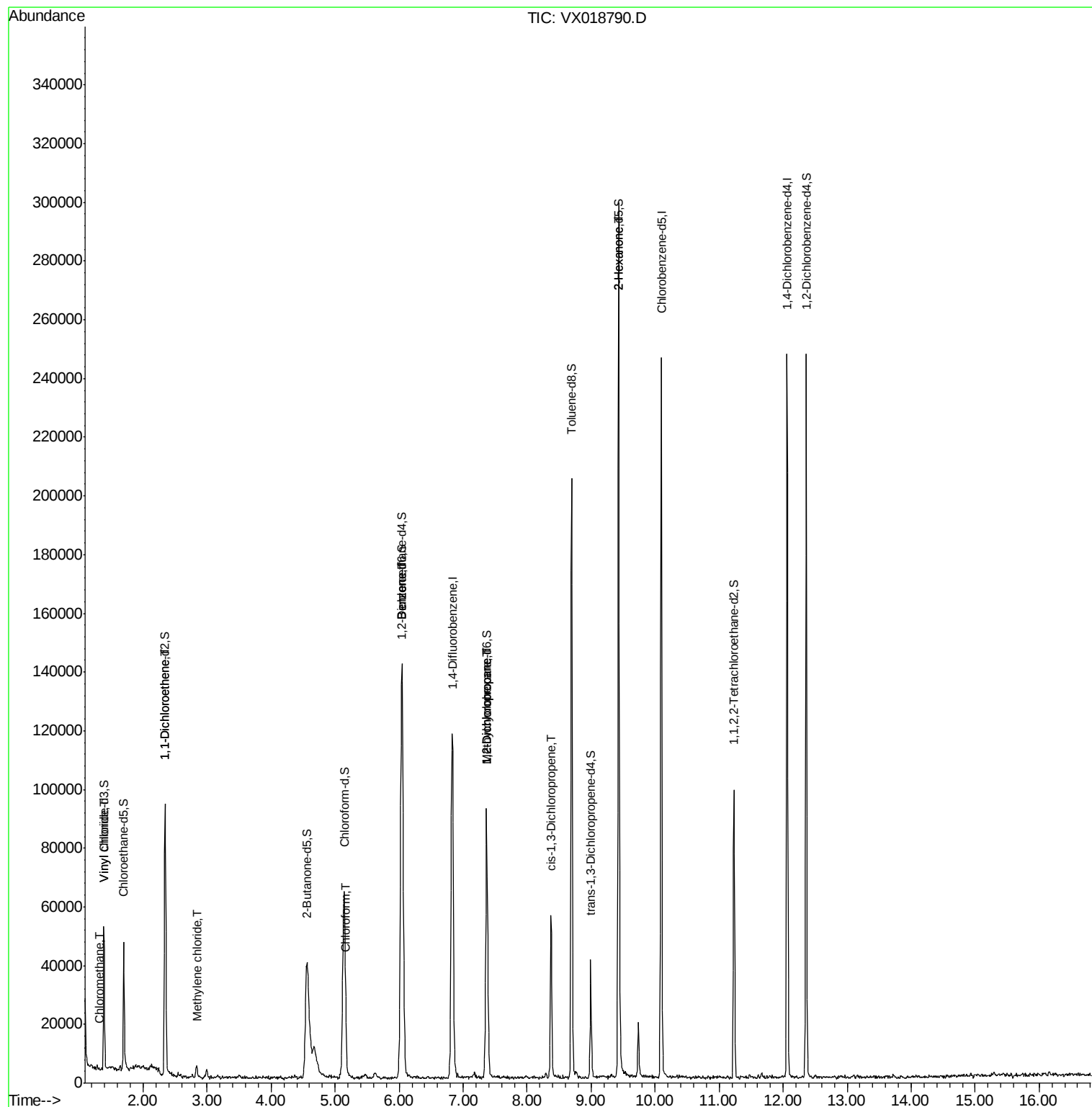
|                             |      |    |       |              | Ovalue |
|-----------------------------|------|----|-------|--------------|--------|
| 3) Chloromethane            | 1.31 | 50 | 500   | 0.090 ug/L # | 79     |
| 5) Vinyl chloride           | 1.39 | 62 | 326   | 0.053 ug/L # | 1      |
| 12) 1,1-Dichloroethene      | 2.34 | 96 | 729   | 0.128 ug/L # | 1      |
| 16) Methylene chloride      | 2.84 | 84 | 1735  | 0.251 ug/L # | 61     |
| 25) Chloroform              | 5.17 | 83 | 1247  | 0.100 ug/L # | 70     |
| 33) Benzene                 | 6.05 | 78 | 1337  | 0.056 ug/L   | 100    |
| 35) Methylcyclohexane       | 7.37 | 83 | 11775 | 1.179 ug/L # | 21     |
| 37) 1,2-Dichloropropane     | 7.37 | 63 | 5615  | 0.939 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 8.37 | 75 | 1564  | 0.164 ug/L # | 55     |
| 50) 2-Hexanone              | 9.43 | 43 | 11116 | 4.417 ug/L # | 72     |

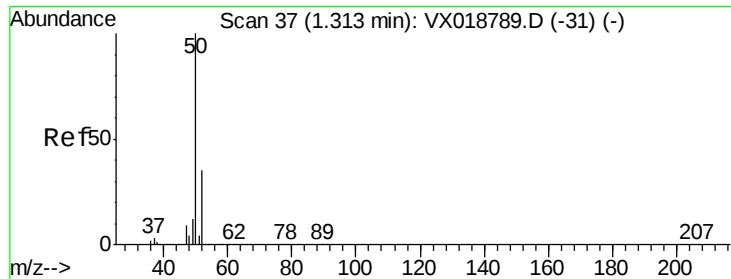
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 07 01:30:09 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.090 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018790.D

Acq: 06 Oct 2020 11:08

Instrument :

MSVOA\_X

ClientSampled :

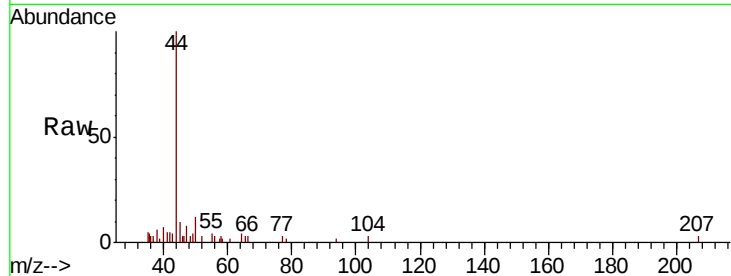
VBLK80

Tot Ion: 50 Resp: 500

Ion Ratio Lower Upper

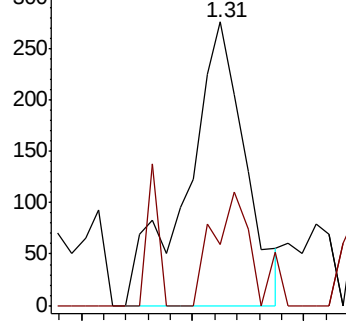
50 100

52 21.4 23.4 43.6#

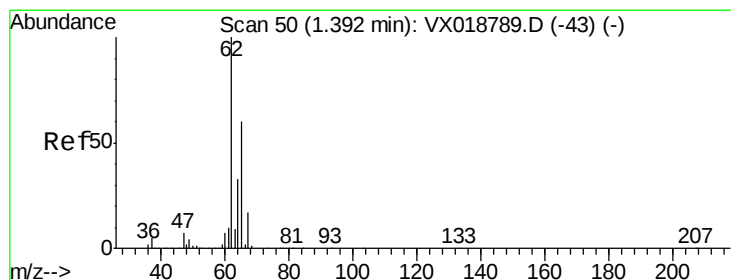
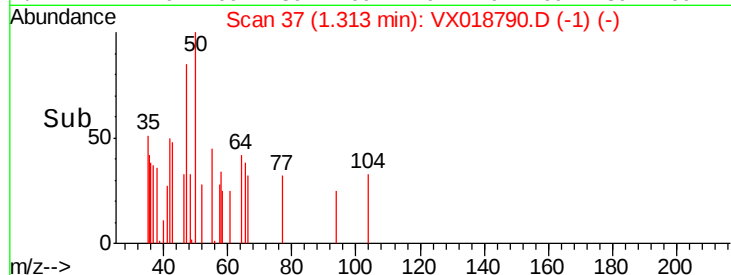


Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0



Time-->



#5

Vinyl chloride

Concen: 0.053 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018790.D

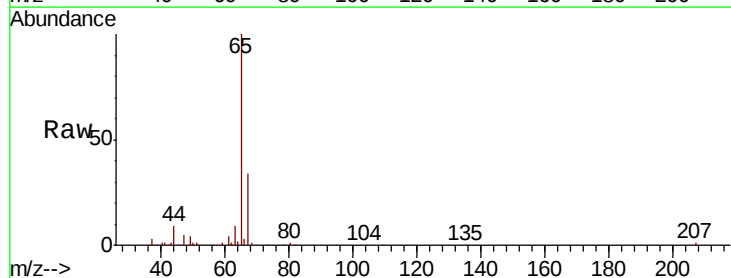
Acq: 06 Oct 2020 11:08

Tgt Ion: 62 Resp: 326

Ion Ratio Lower Upper

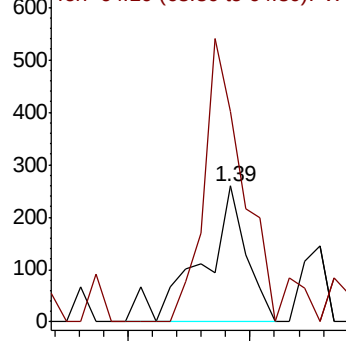
62 100

64 154.8 24.3 45.1#

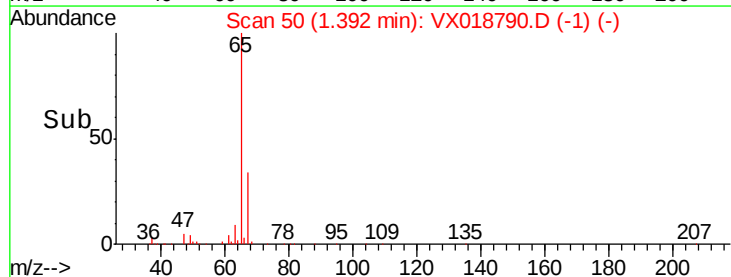


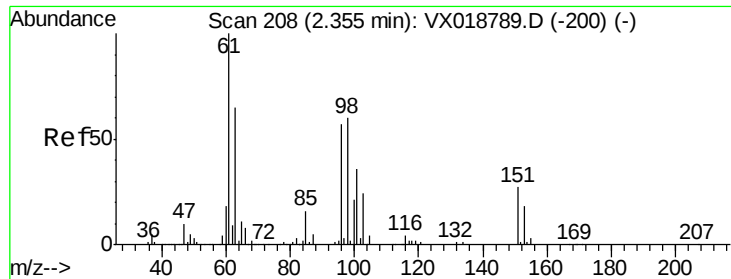
Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.10 (63.80 to 64.80): VX0



Time-->





#12

1,1-Dichloroethene

Concen: 0.128 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018790.D

Acq: 06 Oct 2020 11:08

Instrument :

MSVOA\_X

ClientSampleId :

VBLK80

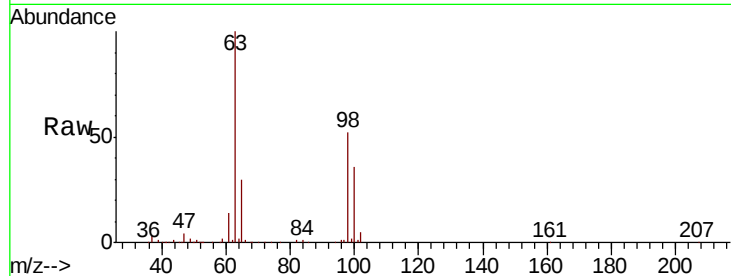
Tot Ion: 96 Resp: 729

Ion Ratio Lower Upper

96 100

61 1041.8 133.2 247.4#

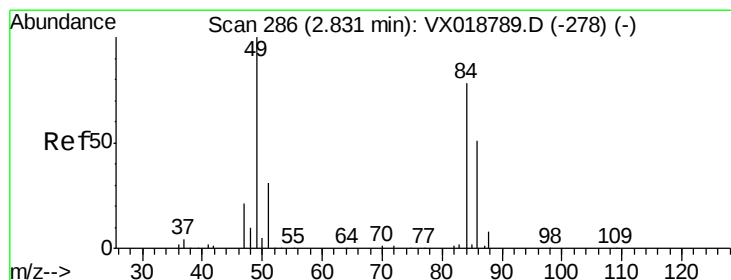
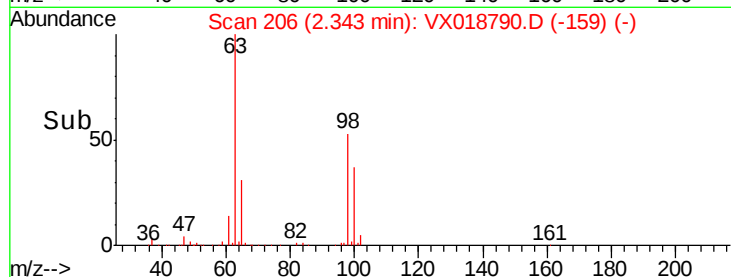
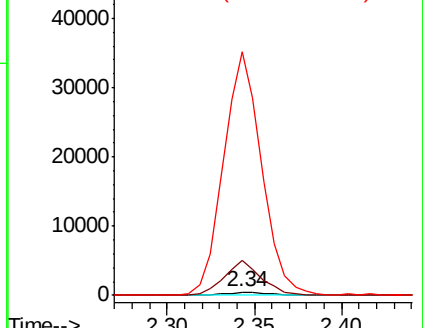
63 7282.8 115.1 213.7#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0



#16

Methylene chloride

Concen: 0.251 ug/L

RT: 2.84 min Scan# 288

Delta R.T. 0.01 min

Lab File: VX018790.D

Acq: 06 Oct 2020 11:08

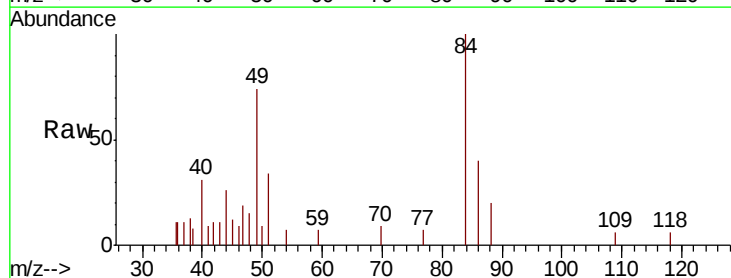
Tgt Ion: 84 Resp: 1735

Ion Ratio Lower Upper

84 100

86 40.2 45.6 84.8#

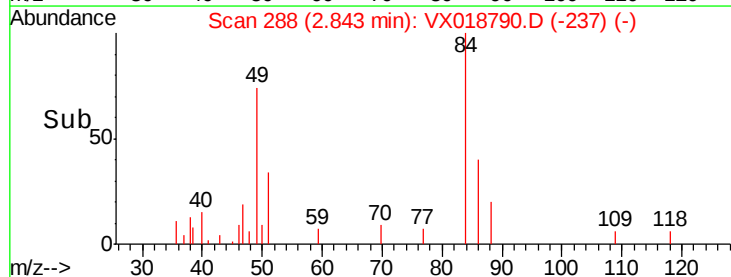
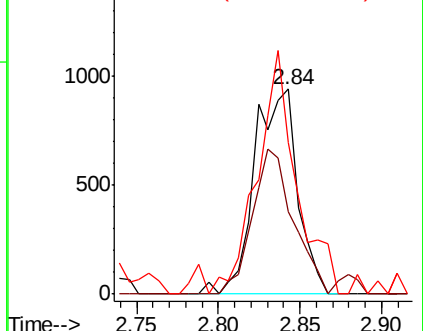
49 74.3 85.8 159.3#

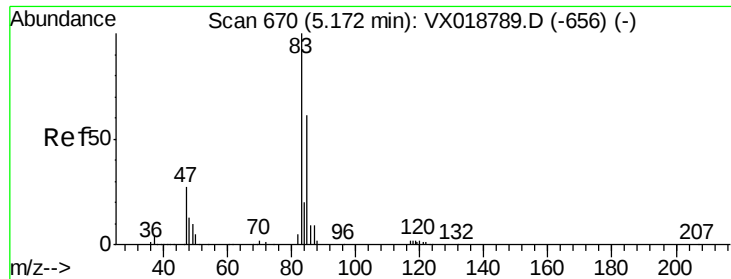


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

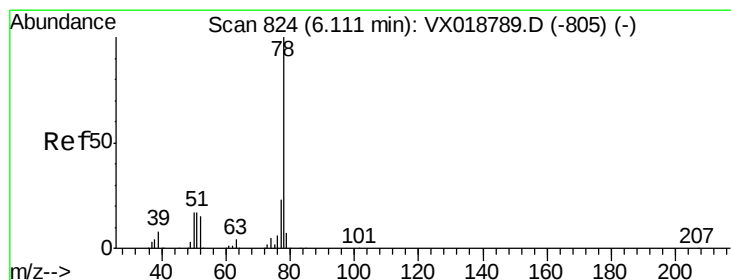
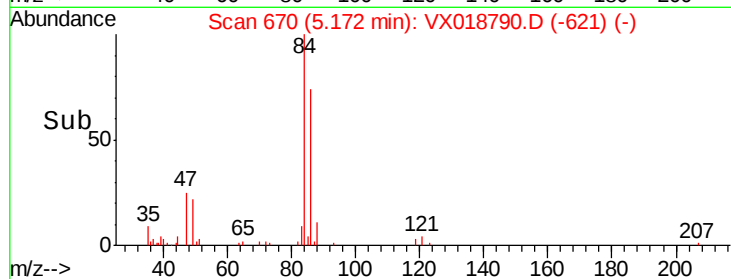
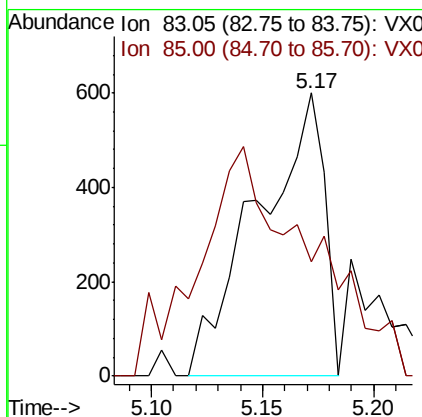
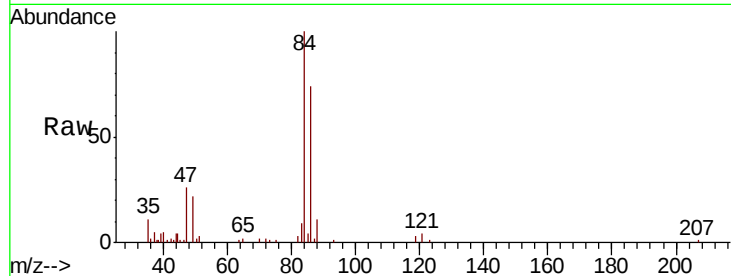




#25  
Chloroform  
Concen: 0.100 ug/L  
RT: 5.17 min Scan# 670  
Delta R.T. -0.00 min  
Lab File: VX018790.D  
Acq: 06 Oct 2020 11:08

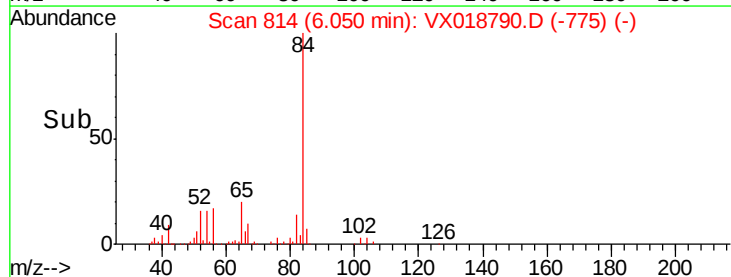
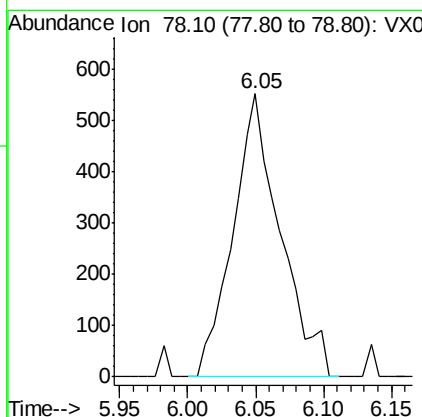
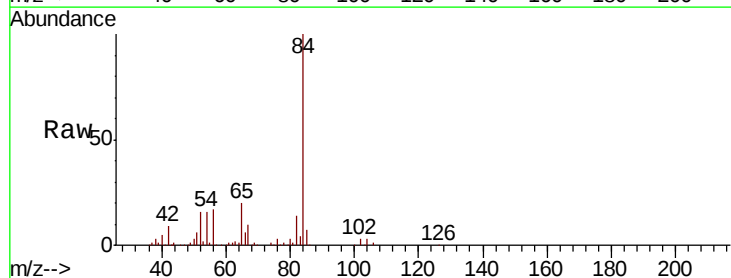
Instrument :  
MSVOA\_X  
ClientSampleId :  
VBLK80

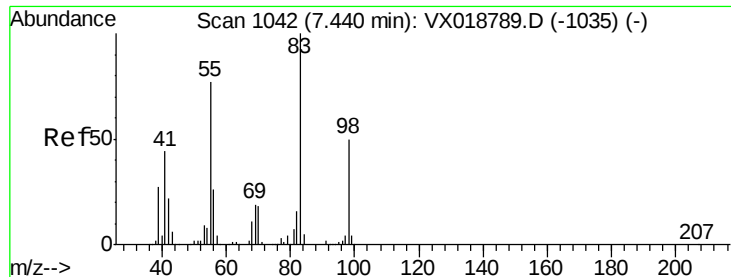
Tot Ion: 83 Resp: 1247  
Ion Ratio Lower Upper  
83 100  
85 40.3 44.6 82.8#



#33  
Benzene  
Concen: 0.056 ug/L  
RT: 6.05 min Scan# 814  
Delta R.T. -0.06 min  
Lab File: VX018790.D  
Acq: 06 Oct 2020 11:08

Tgt Ion: 78 Resp: 1337

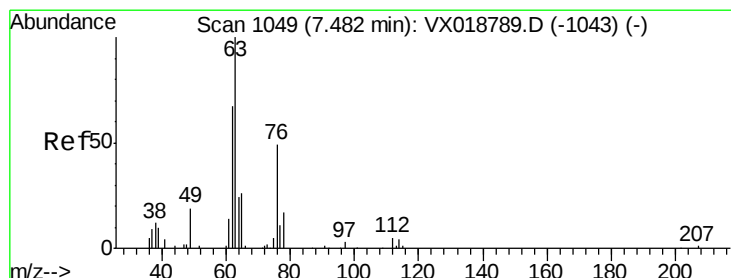
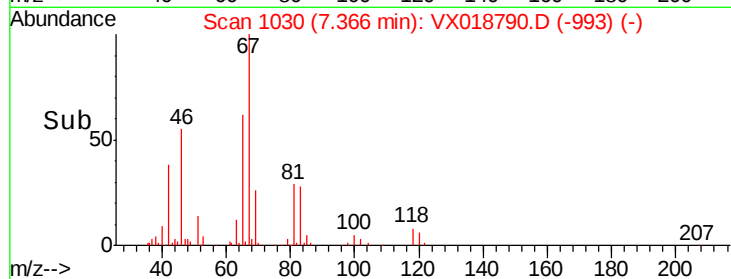
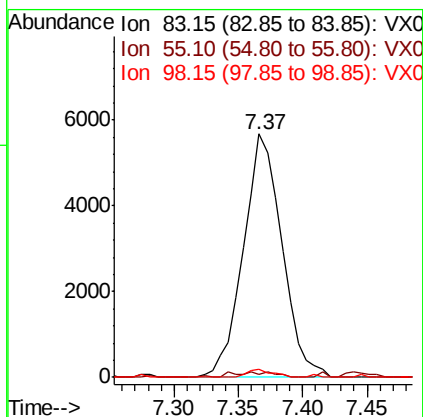
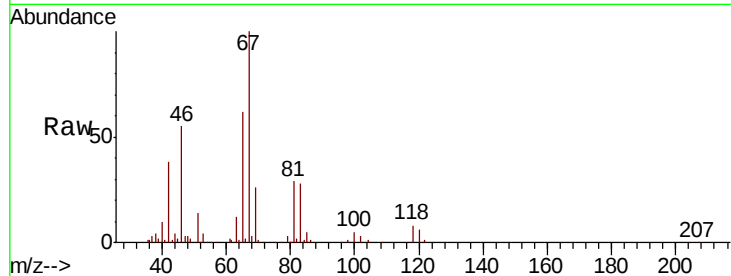




#35  
Methvlcvclohexane  
Concen: 1.179 ug/L  
RT: 7.37 min Scan# 1030  
Delta R.T. -0.07 min  
Lab File: VX018790.D  
Acq: 06 Oct 2020 11:08

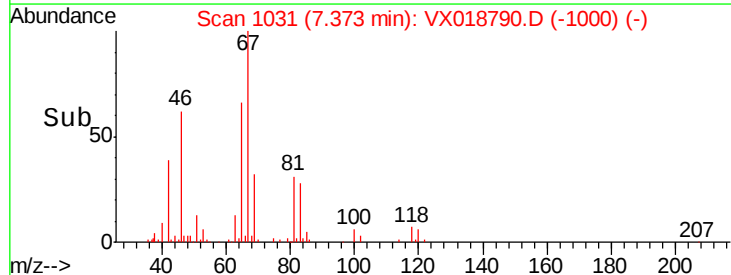
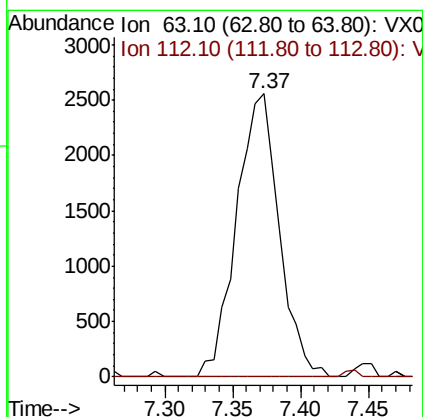
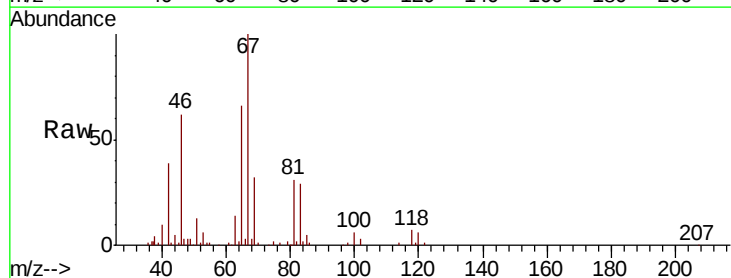
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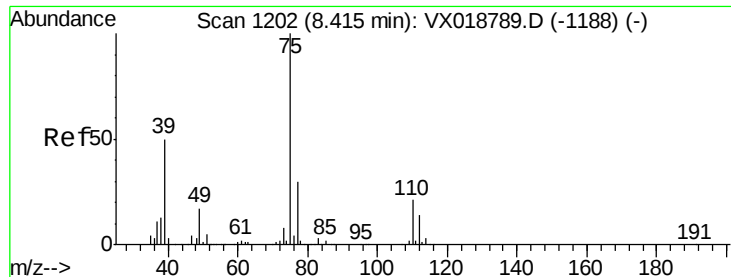
Tot Ion: 83 Resp: 11775  
Ion Ratio Lower Upper  
83 100  
55 2.2 60.3 90.5#  
98 2.1 39.4 59.0#



#37  
1,2-Dichloropropane  
Concen: 0.939 ug/L  
RT: 7.37 min Scan# 1031  
Delta R.T. -0.11 min  
Lab File: VX018790.D  
Acq: 06 Oct 2020 11:08

Tgt Ion: 63 Resp: 5615  
Ion Ratio Lower Upper  
63 100  
112 0.7 4.7 7.1#

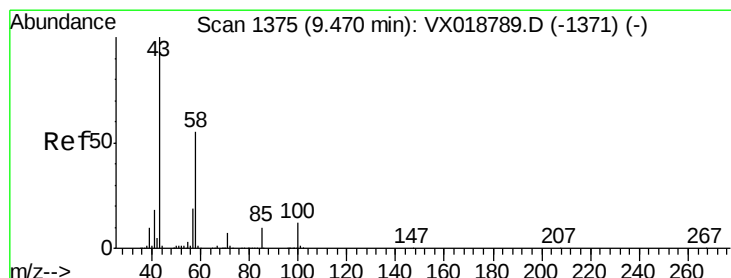
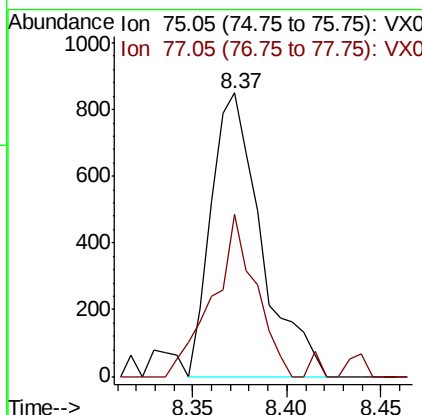
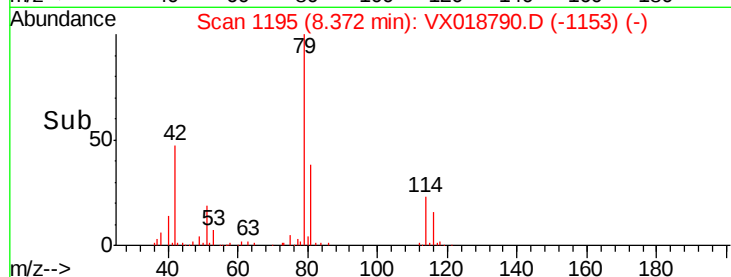
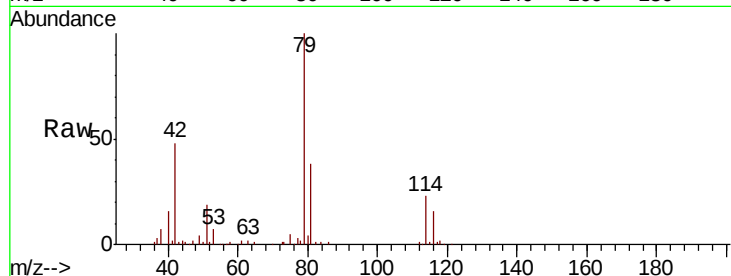




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.164 ug/L  
 RT: 8.37 min Scan# 1195  
 Delta R.T. -0.04 min  
 Lab File: VX018790.D  
 Acq: 06 Oct 2020 11:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VBLK80

Tot Ion: 75 Resp: 1564  
 Ion Ratio Lower Upper  
 75 100  
 77 57.2 22.5 41.7#



#50  
 2-Hexanone  
 Concen: 4.417 ug/L  
 RT: 9.43 min Scan# 1368  
 Delta R.T. -0.04 min  
 Lab File: VX018790.D  
 Acq: 06 Oct 2020 11:08

Tgt Ion: 43 Resp: 11116  
 Ion Ratio Lower Upper  
 43 100  
 58 30.6 41.0 61.4#  
 57 30.2 15.9 23.9#  
 100 1.2 10.1 15.1#

