

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092920\  
 Data File : VX018694.D  
 Acq On : 30 Sep 2020 12:58  
 Operator : JC/SP  
 Sample : L4135-07DL 40X  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 55 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG481DL

Manual Integrations  
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MMDadoda  
 10/1/2020 10:06:50 AM

Quant Time: Oct 05 04:25:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR092820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Oct 01 01:06:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 203939   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 200136   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 97658    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 43003    | 4.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 80.60%  |
| 7) Chloroethane-d5             | 1.70   | 69    | 40515    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 85611    | 3.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.60%  |
| 20) 2-Butanone-d5              | 4.56   | 46    | 161022   | 59.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 118.34% |
| 24) Chloroform-d               | 5.14   | 84    | 128134   | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.40% |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 71886    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.60%  |
| 32) Benzene-d6                 | 6.05   | 84    | 216130   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.60%  |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 68556    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.40%  |
| 41) Toluene-d8                 | 8.70   | 98    | 189983   | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 82.60%  |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 28005    | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.40%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 122610   | 54.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 109.38% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 55966    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 106.80% |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 81534    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.20% |

## Target Compounds

| Target Compounds        | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-------------------------|-------|------|----------|--------|--------|--------|
| 8) Chloroethane         | 1.72  | 64   | 4379m    | 0.721  | ug/L   |        |
| 30) Cyclohexane         | 5.56  | 56   | 2694     | 0.178  | ug/L # | 61     |
| 33) Benzene             | 6.12  | 78   | 17642    | 0.457  | ug/L   | 100    |
| 35) Methylcyclohexane   | 7.43  | 83   | 2550     | 0.164  | ug/L # | 70     |
| 53) Chlorobenzene       | 10.12 | 112  | 1267529  | 46.036 | ug/L   | 97     |
| 56) o-xylene            | 10.68 | 106  | 1809     | 0.110  | ug/L   | 94     |
| 58) Isopropylbenzene    | 11.00 | 105  | 444499   | 10.107 | ug/L   | 100    |
| 64) 1,4-Dichlorobenzene | 12.08 | 146  | 9850     | 0.459  | ug/L   | 88     |
| 66) 1,2-Dichlorobenzene | 12.38 | 146  | 5197     | 0.263  | ug/L # | 93     |

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

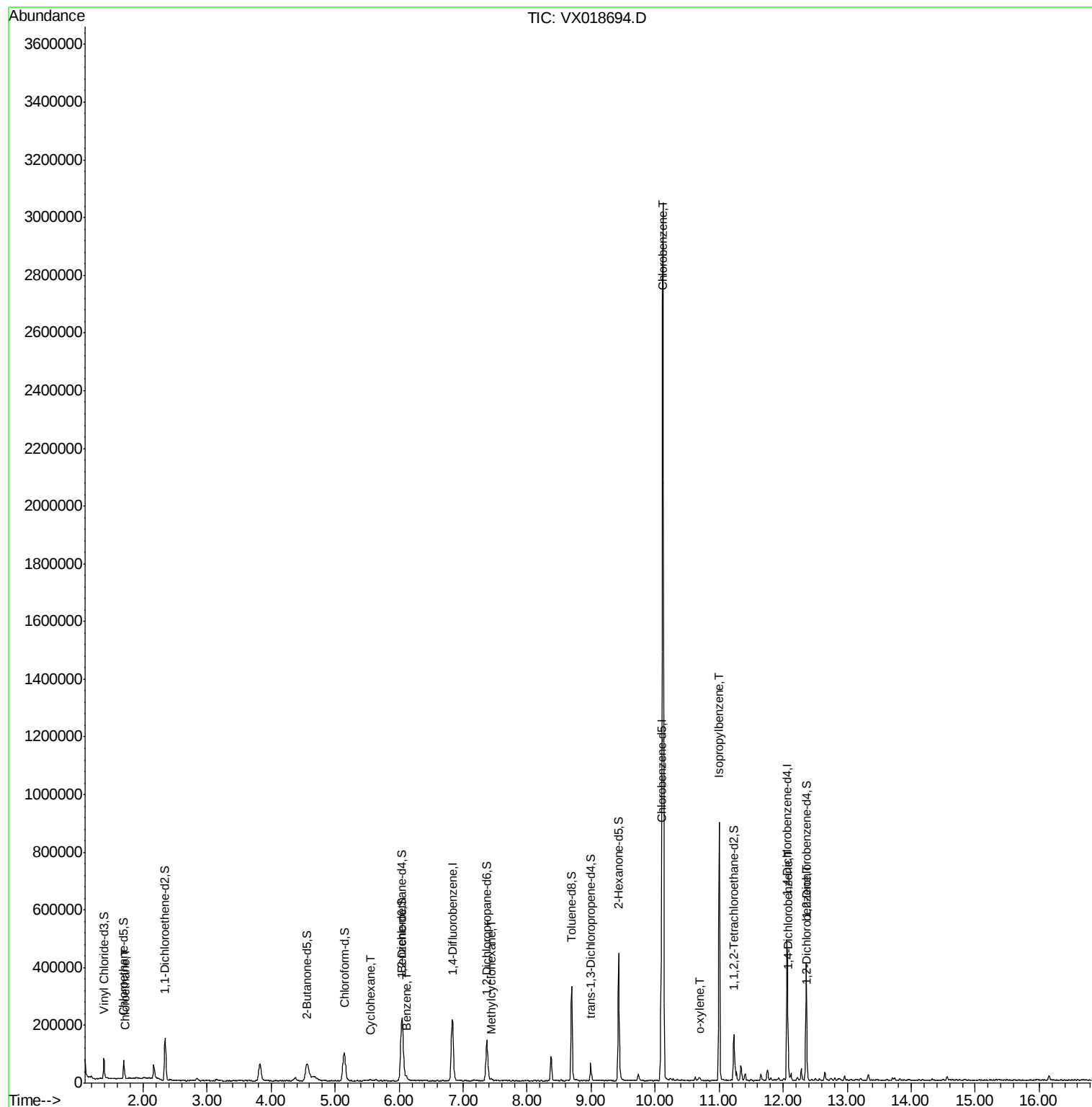
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092920\  
Data File : VX018694.D  
Acq On : 30 Sep 2020 12:58  
Operator : JC/SP  
Sample : L4135-07DL 40X  
Misc : 25.0mL/MSVOA X/WATER  
ALS Vial : 55 Sample Multiplier: 1

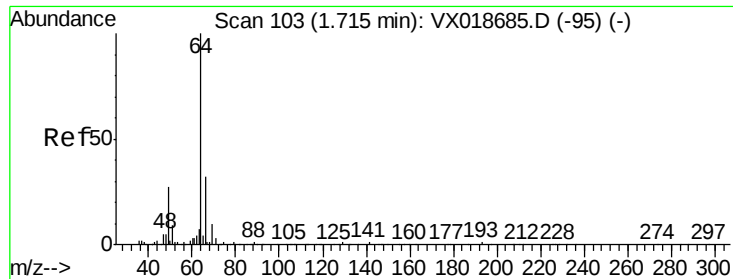
Instrument :  
MSVOA\_X  
ClientSampleId :  
BG481DL

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10/1/2020 10:06:50 AM

Quant Time: Oct 05 04:25:20 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR092820WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 01 01:06:26 2020  
Response via : Initial Calibration





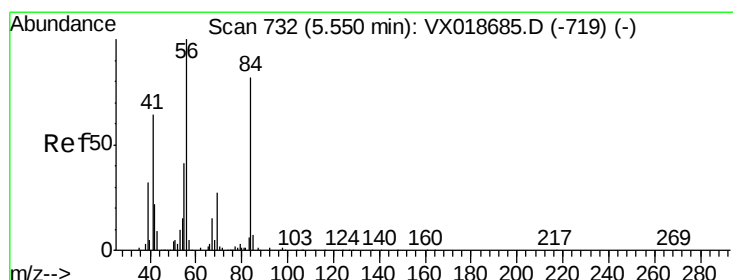
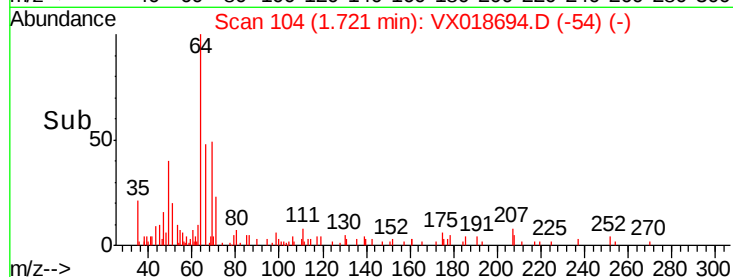
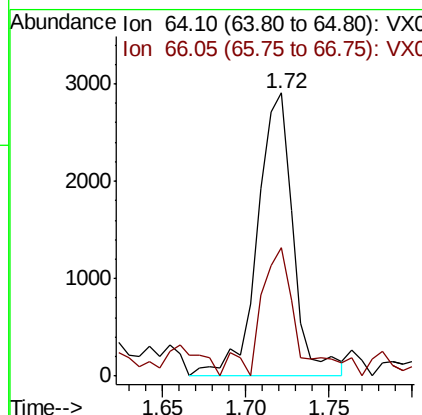
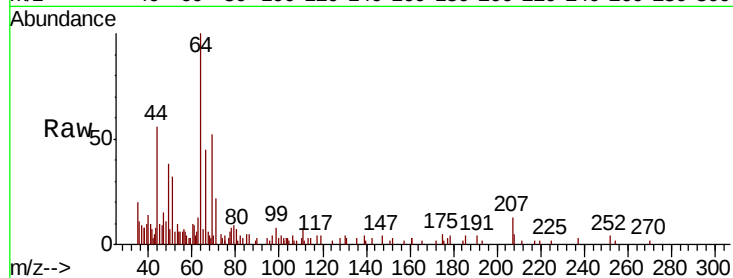
#8  
Chloroethane  
Concen: 0.721 ug/L m  
RT: 1.72 min Scan# 104  
Delta R.T. 0.01 min  
Lab File: VX018694.D  
Acq: 30 Sep 2020 12:58

Instrument :  
MSVOA\_X  
ClientSampleId :  
BG481DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 64      | 100   |       |       |
| 66      | 45.4  | 22.3  | 41.3# |

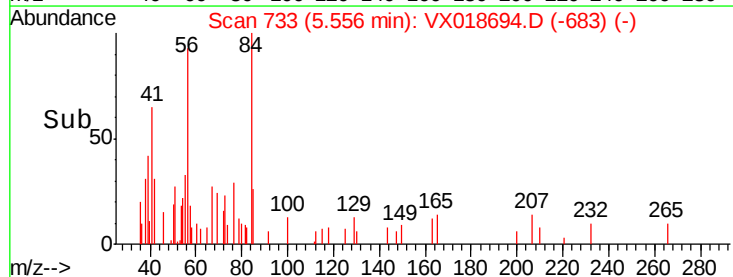
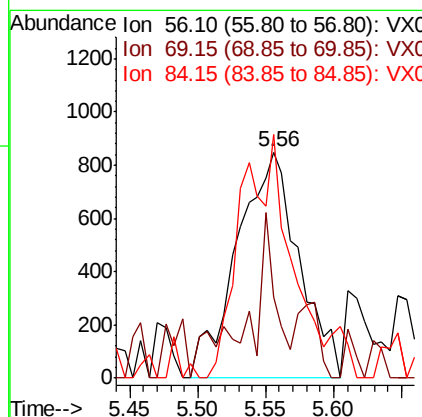
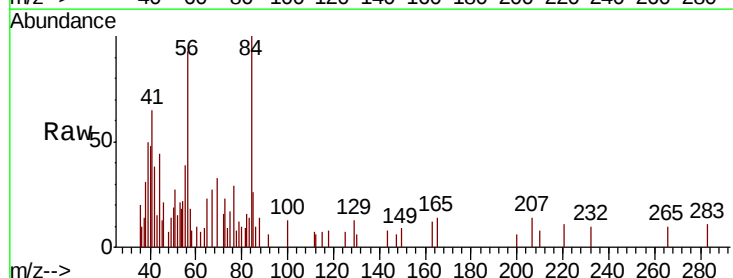
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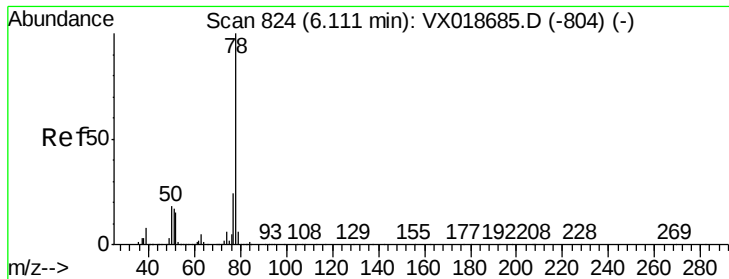
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#30  
Cyclohexane  
Concen: 0.178 ug/L  
RT: 5.56 min Scan# 733  
Delta R.T. 0.01 min  
Lab File: VX018694.D  
Acq: 30 Sep 2020 12:58

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 56      | 100   |       |        |
| 69      | 21.3  | 26.4  | 39.6#  |
| 84      | 47.4  | 72.7  | 109.1# |





#33

Benzene

Concen: 0.457 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018694.D

Acq: 30 Sep 2020 12:58

Instrument :

MSVOA\_X

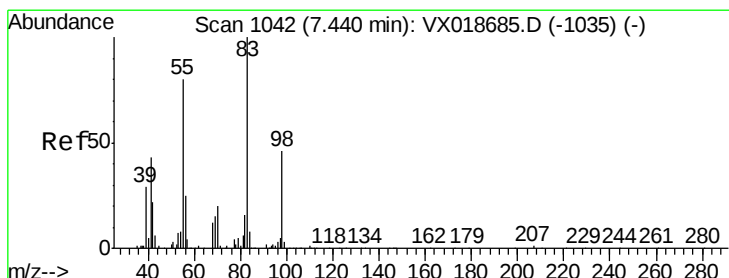
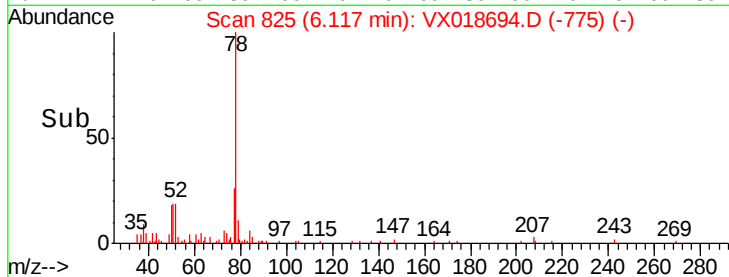
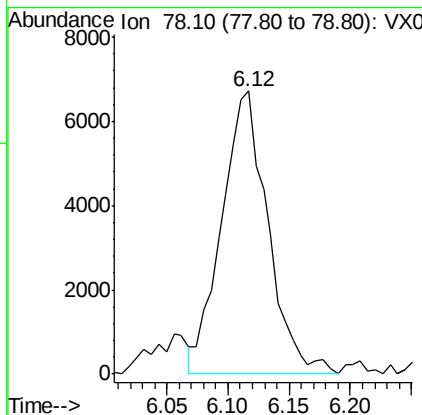
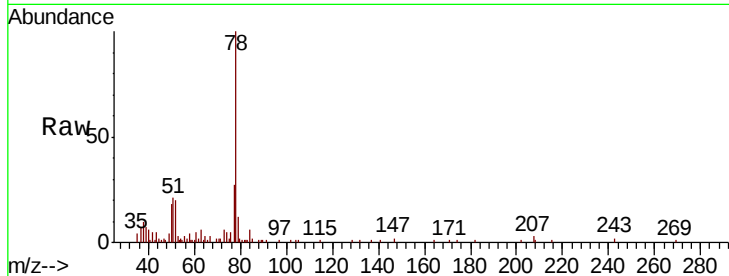
ClientSampleId :

BG481DL

Tgt Ion: 78 Resp: 17642

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#35

Methylcyclohexane

Concen: 0.164 ug/L

RT: 7.43 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VX018694.D

Acq: 30 Sep 2020 12:58

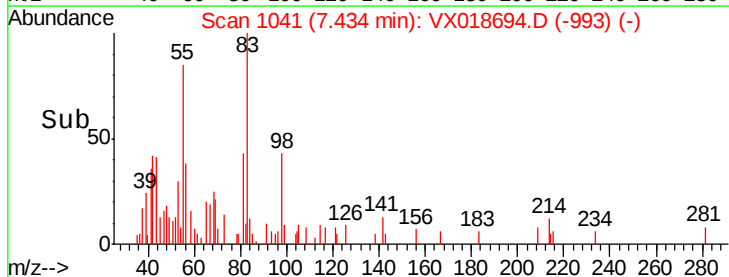
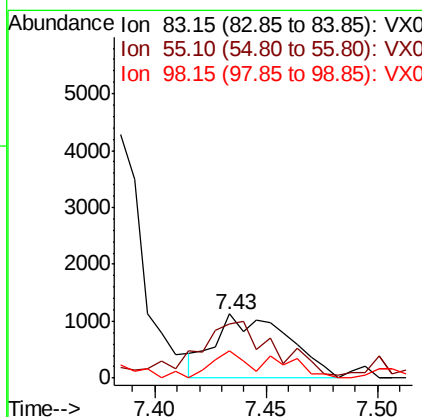
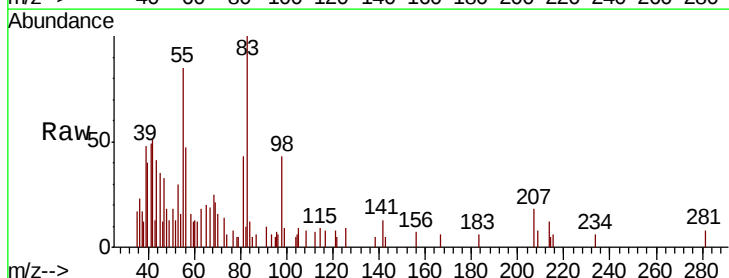
Tgt Ion: 83 Resp: 2550

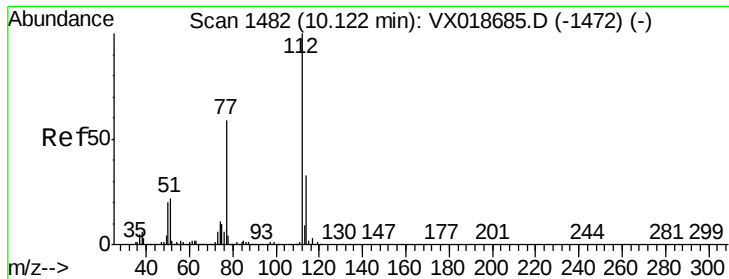
Ion Ratio Lower Upper

83 100

55 104.7 67.4 101.0#

98 21.4 41.1 61.7#





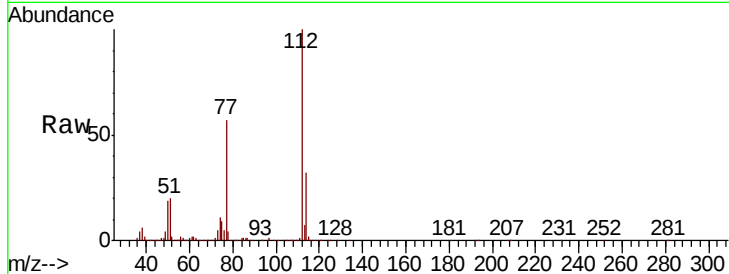
#53  
Chlorobenzene  
Concen: 46.036 ug/L  
RT: 10.12 min Scan# 1482  
Delta R.T. 0.00 min  
Lab File: VX018694.D  
Acq: 30 Sep 2020 12:58

Instrument :  
MSVOA\_X  
ClientSampled :  
BG481DL

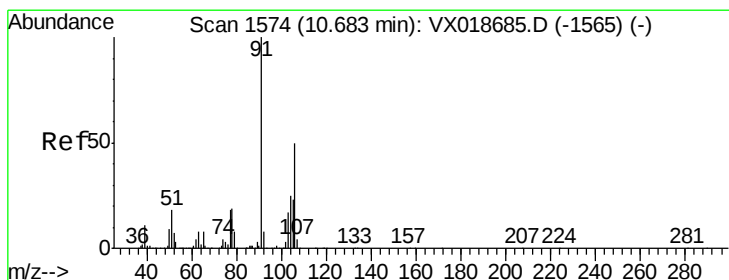
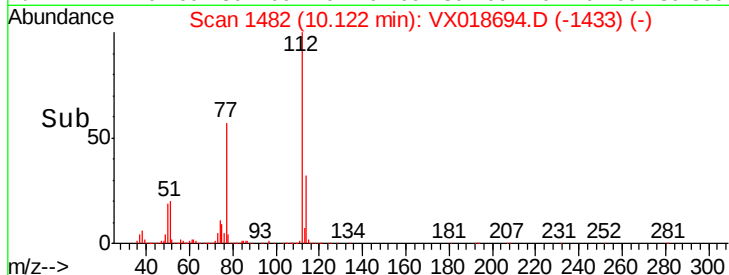
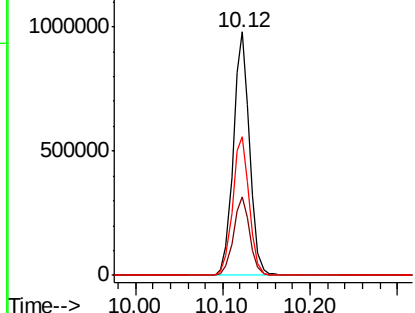
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 114     | 32.5  | 20.6  | 38.4  |
| 77      | 57.0  | 46.6  | 69.8  |

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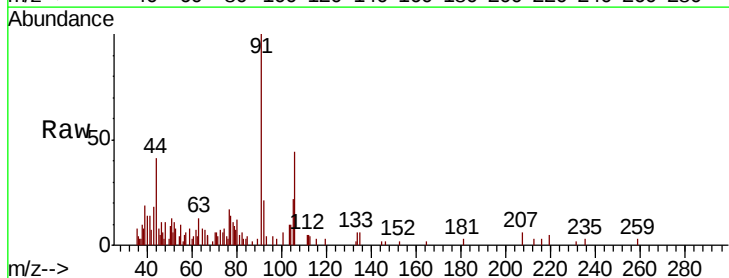


Abundance Ion 112.10 (111.80 to 112.80): V  
Ion 114.05 (113.75 to 114.75): V  
Ion 77.10 (76.80 to 77.80): VX0

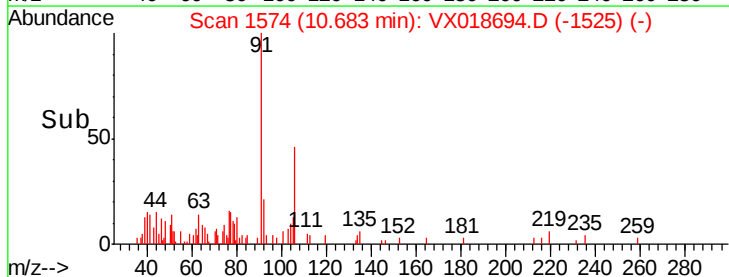
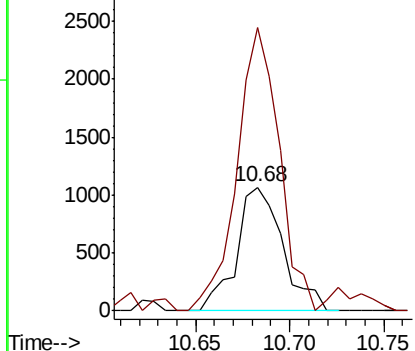


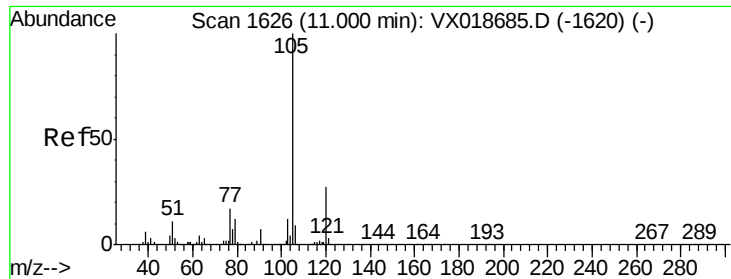
#56  
o-xylene  
Concen: 0.110 ug/L  
RT: 10.68 min Scan# 1574  
Delta R.T. 0.00 min  
Lab File: VX018694.D  
Acq: 30 Sep 2020 12:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 106     | 100   |       |       |
| 91      | 229.1 | 167.5 | 311.1 |



Abundance Ion 106.15 (105.85 to 106.85): V  
Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 10.107 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018694.D

Acq: 30 Sep 2020 12:58

Instrument :

MSVOA\_X

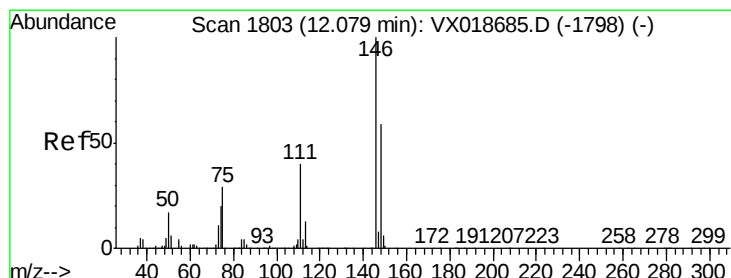
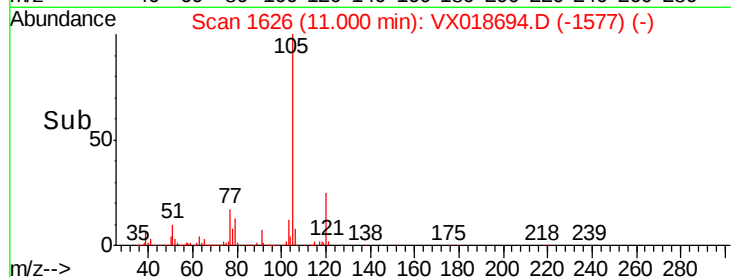
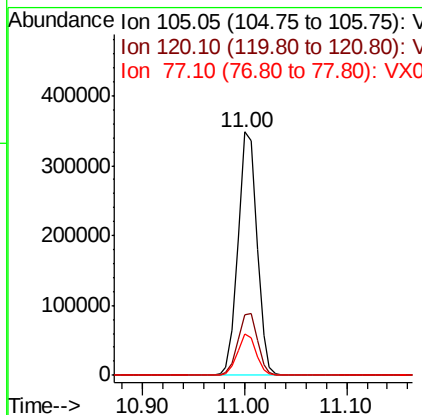
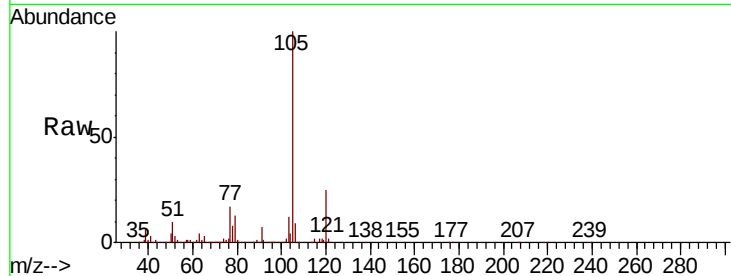
ClientSampleId :

BG481DL

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 105   | Resp: | 444499 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 26.3  | 21.2  | 31.8   |
| 77        | 16.7  | 13.3  | 19.9   |

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10/1/2020 10:06:50 AM



#64

1,4-Dichlorobenzene

Concen: 0.459 ug/L

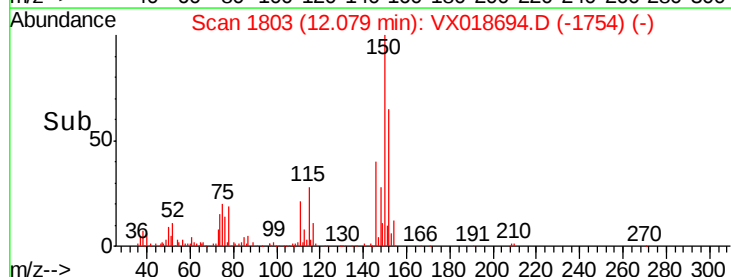
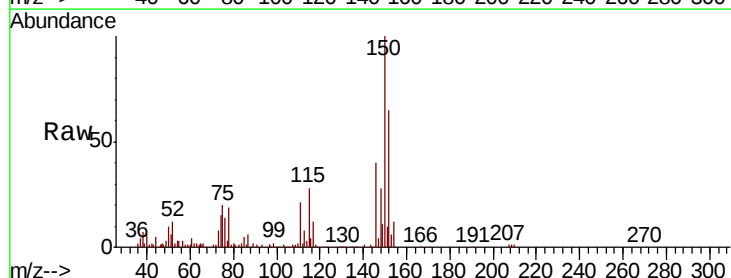
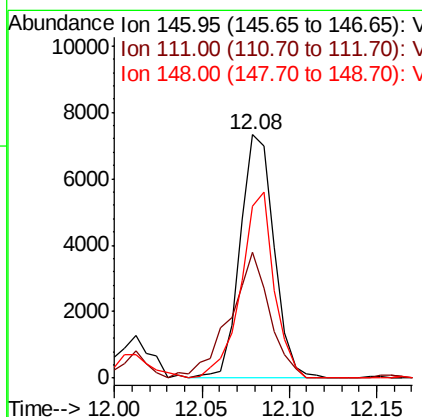
RT: 12.08 min Scan# 1803

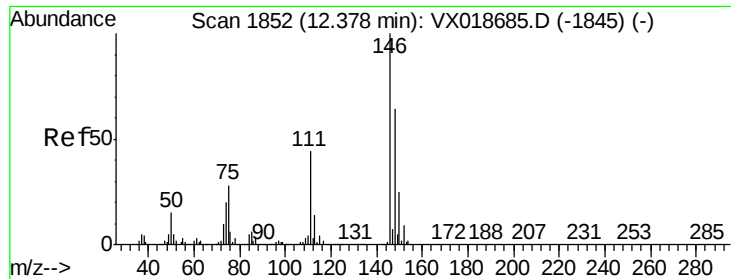
Delta R.T. 0.00 min

Lab File: VX018694.D

Acq: 30 Sep 2020 12:58

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 9850 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 51.5  | 28.8  | 53.4 |
| 148       | 70.7  | 44.9  | 83.3 |





#66  
 1,2-Dichlorobenzene  
 Concen: 0.263 ug/L  
 RT: 12.38 min Scan# 1852  
 Delta R.T. 0.00 min  
 Lab File: VX018694.D  
 Acq: 30 Sep 2020 12:58

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG481DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 52.9  | 33.6  | 50.4# |
| 148     | 66.9  | 53.4  | 80.2  |

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 10/1/2020 10:06:50 AM

