

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX081820\  
 Data File : VX017955.D  
 Acq On : 18 Aug 2020 11:31  
 Operator : JC/SP  
 Sample : L3697-05DL 20X  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG0N2DL

Quant Time: Aug 19 02:05:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR080720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Aug 19 01:29:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 323030   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 327473   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 154004   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 70091    | 3.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 62.80%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 68555    | 3.87     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 77.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 108788   | 2.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 47.40%# |
| 20) 2-Butanone-d5              | 4.53   | 46    | 280297   | 47.28    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 94.56%  |
| 24) Chloroform-d               | 5.14   | 84    | 186047   | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.20%  |
| 26) 1,2-Dichloroethane-d4      | 6.03   | 65    | 105232   | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.60%  |
| 32) Benzene-d6                 | 6.04   | 84    | 322425   | 3.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 71.80%  |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 113488   | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 81.60%  |
| 41) Toluene-d8                 | 8.70   | 98    | 261189   | 3.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 61.00%# |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 45205    | 3.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.20%  |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 211841   | 42.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.70%  |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 92513    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.60%  |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 120498   | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 81.20%  |

## Target Compounds

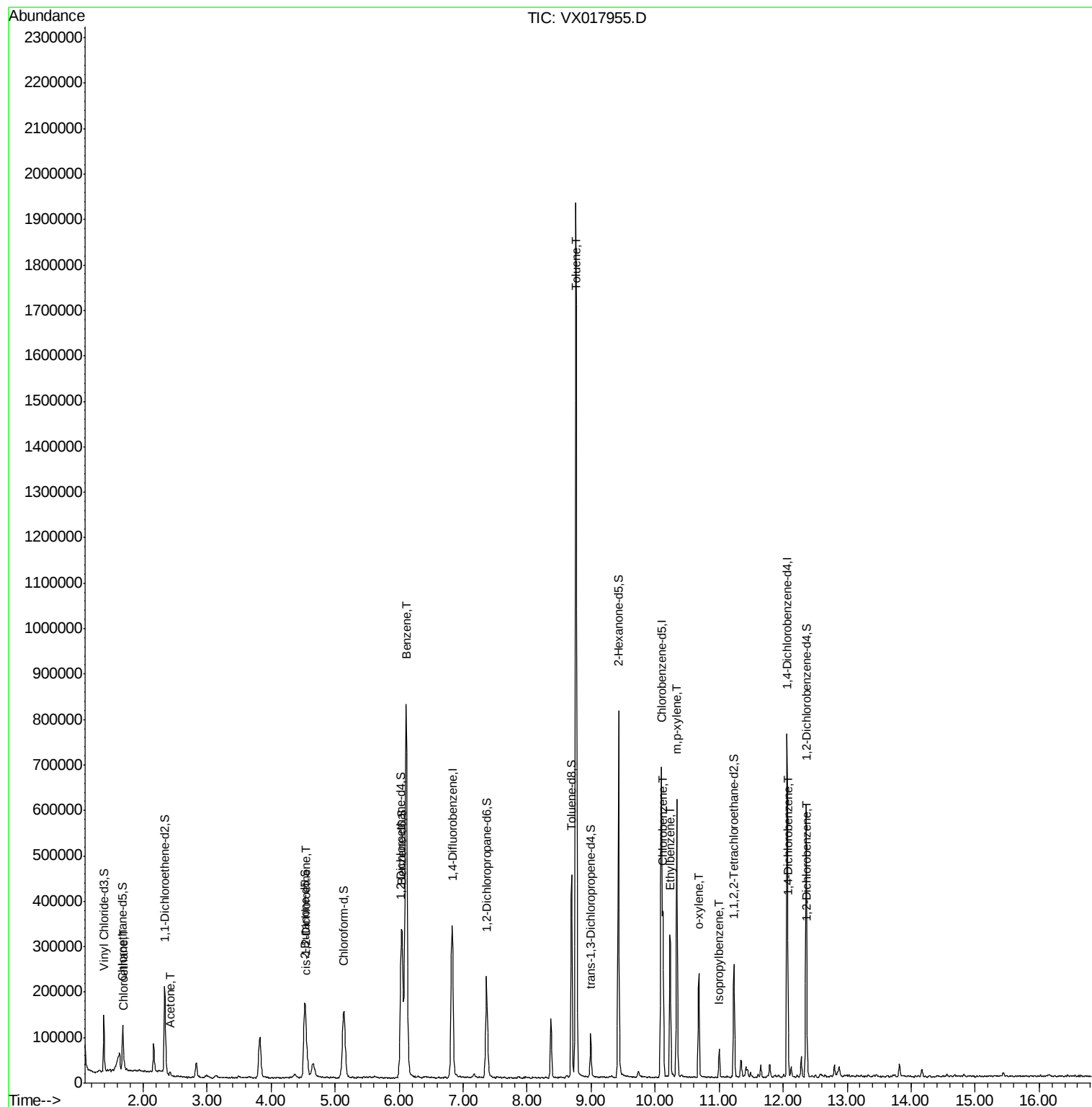
| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 8) Chloroethane            | 1.70  | 64   | 8879     | 0.522 | ug/L   | 85     |
| 13) Acetone                | 2.42  | 43   | 7647     | 1.766 | ug/L   | 86     |
| 22) cis-1,2-Dichloroethene | 4.55  | 96   | 15419    | 0.523 | ug/L # | 79     |
| 33) Benzene                | 6.11  | 78   | 980865   | 8.461 | ug/L   | 100    |
| 42) Toluene                | 8.76  | 91   | 1209598  | 9.611 | ug/L   | 97     |
| 53) Chlorobenzene          | 10.12 | 112  | 153522   | 1.874 | ug/L   | 99     |
| 54) Ethylbenzene           | 10.23 | 91   | 173464   | 1.263 | ug/L   | 97     |
| 55) m,p-xylene             | 10.34 | 106  | 136047   | 2.594 | ug/L   | 97     |
| 56) o-xylene               | 10.68 | 106  | 46442    | 0.913 | ug/L   | 77     |
| 58) Isopropylbenzene       | 11.00 | 105  | 28389    | 0.209 | ug/L # | 94     |
| 64) 1,4-Dichlorobenzene    | 12.08 | 146  | 8566     | 0.144 | ug/L   | 87     |
| 66) 1,2-Dichlorobenzene    | 12.38 | 146  | 9753     | 0.175 | ug/L   | 94     |

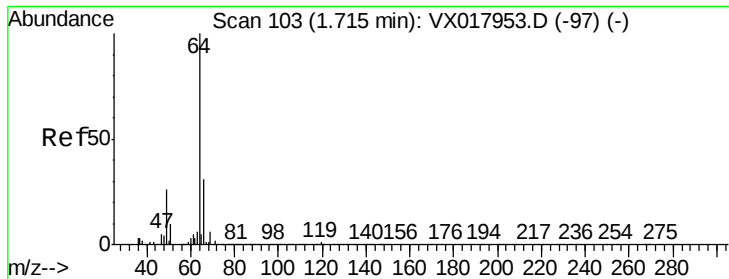
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081820\  
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Operator : JC/SP  
Sample : L3697-05DL 20X  
Misc : 25.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BG0N2DL

Quant Time: Aug 19 02:05:53 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR080720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Aug 19 01:29:32 2020  
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.522 ug/L

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Instrument :

MSVOA\_X

ClientSampleId :

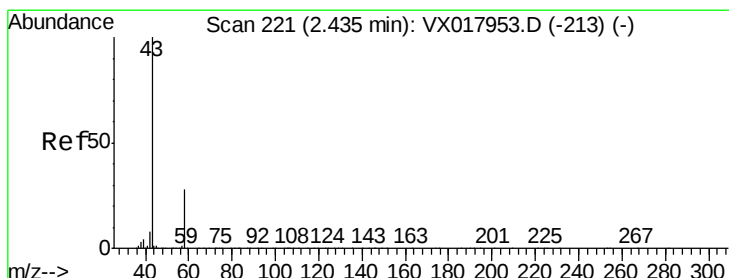
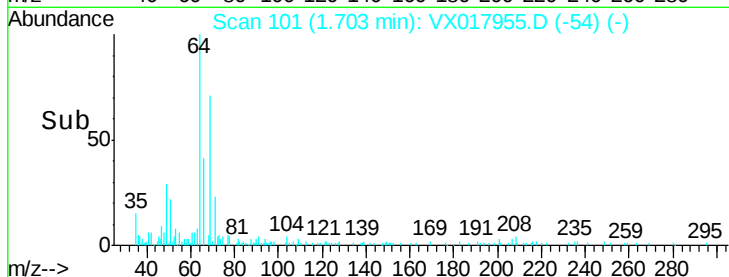
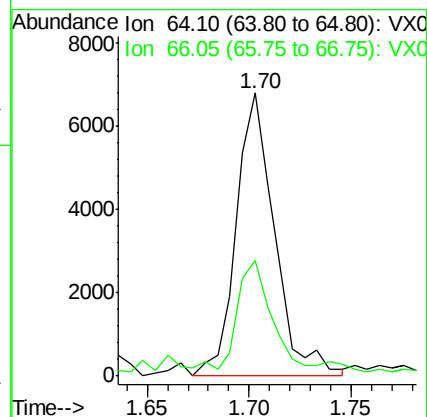
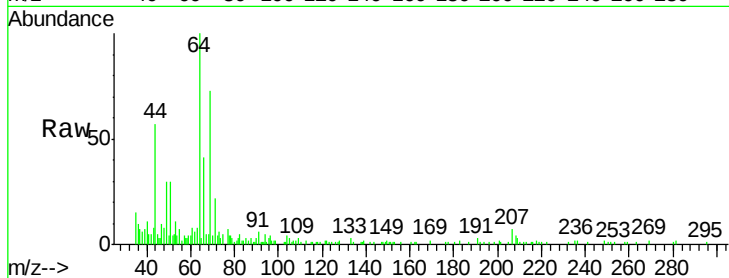
BG0N2DL

Tot Ion: 64 Resp: 8879

Ion Ratio Lower Upper

64 100

66 40.8 22.6 42.0



#13

Acetone

Concen: 1.766 ug/L

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX017955.D

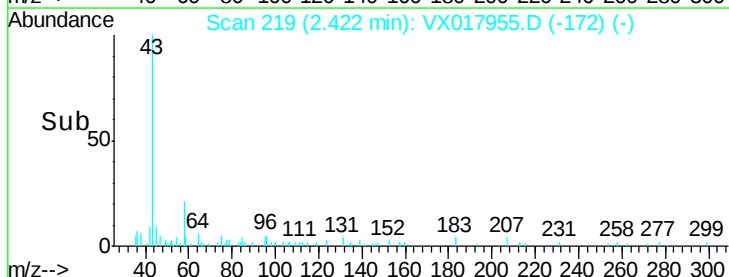
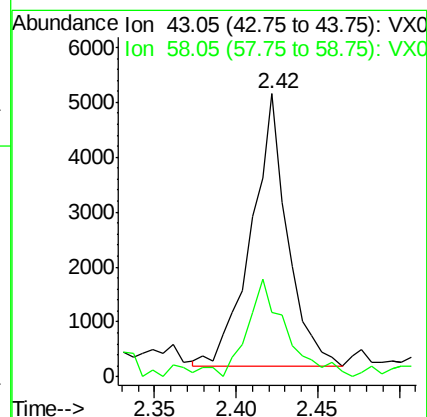
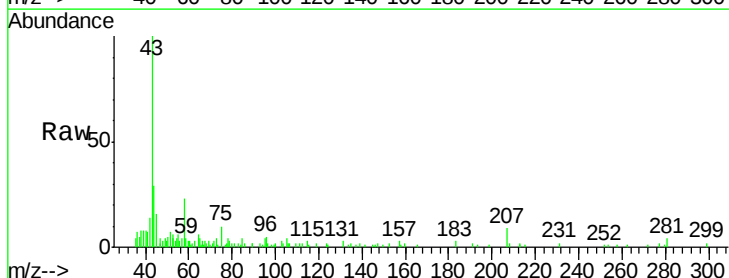
Acq: 18 Aug 2020 11:31

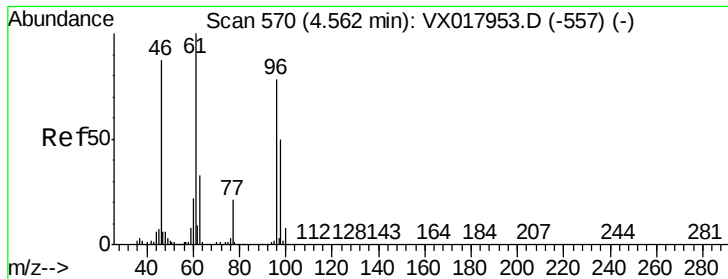
Tgt Ion: 43 Resp: 7647

Ion Ratio Lower Upper

43 100

58 38.3 0.0 60.8

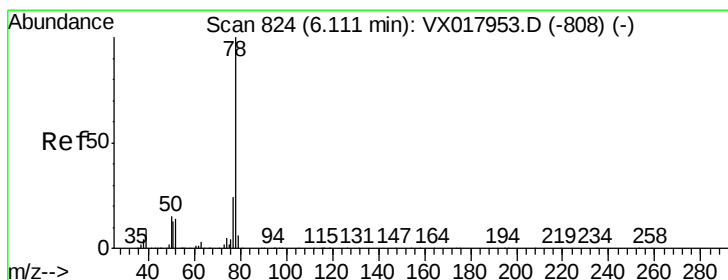
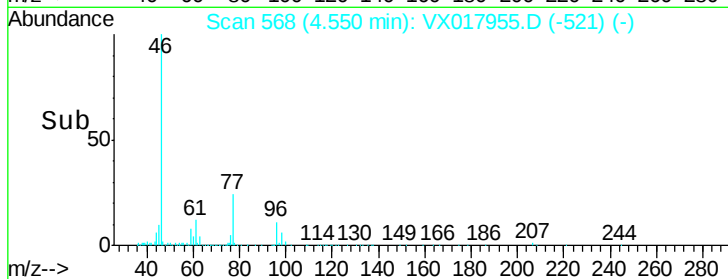
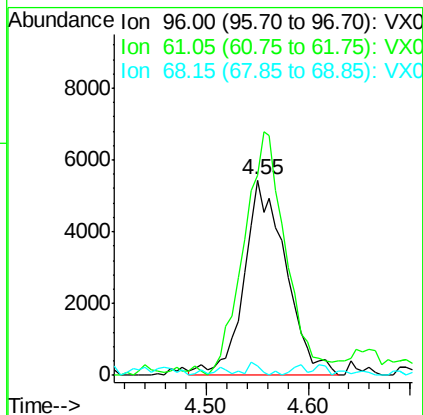
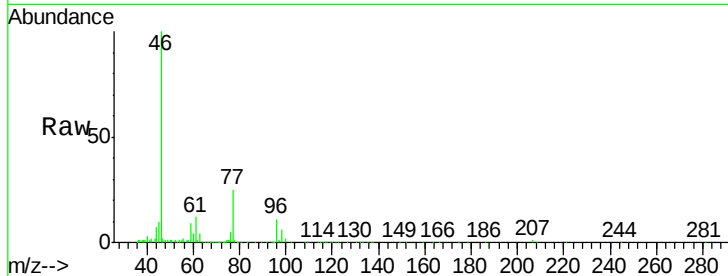




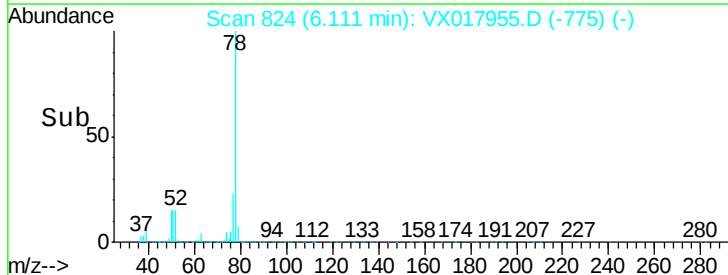
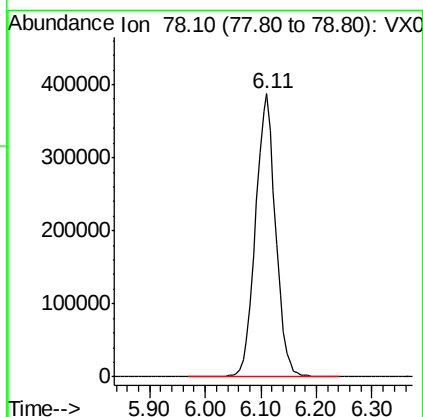
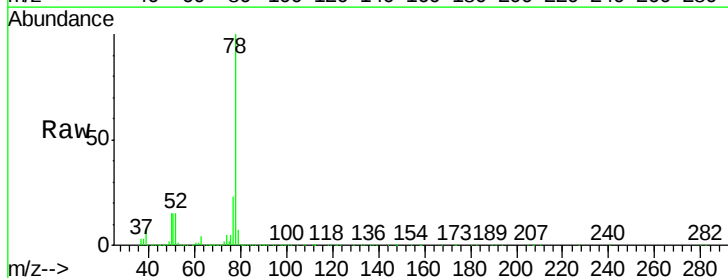
#22  
 cis-1,2-Dichloroethene  
 Concen: 0.523 ug/L  
 RT: 4.55 min Scan# 568  
 Delta R.T. -0.01 min  
 Lab File: VX017955.D  
 Acq: 18 Aug 2020 11:31

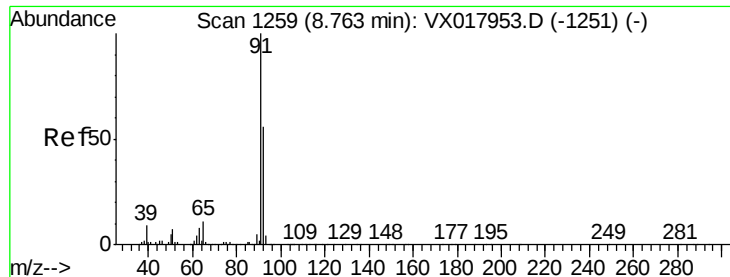
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BG0N2DL

Tot Ion: 96 Resp: 15419  
 Ion Ratio Lower Upper  
 96 100  
 61 102.2 88.8 165.0  
 68 4.6 0.2 0.4#



#33  
 Benzene  
 Concen: 8.461 ug/L  
 RT: 6.11 min Scan# 824  
 Delta R.T. -0.00 min  
 Lab File: VX017955.D  
 Acq: 18 Aug 2020 11:31  
 Tgt Ion: 78 Resp: 980865





#42

Toluene

Concen: 9.611 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Instrument :

MSVOA\_X

ClientSampleId :

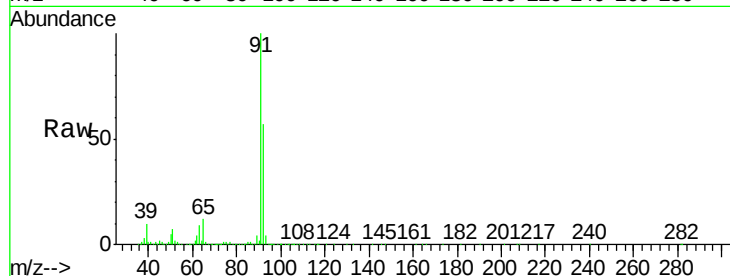
BG0N2DL

Tot Ion: 91 Resp: 1209598

Ion Ratio Lower Upper

91 100

92 57.2 38.8 72.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0

8.76

800000

600000

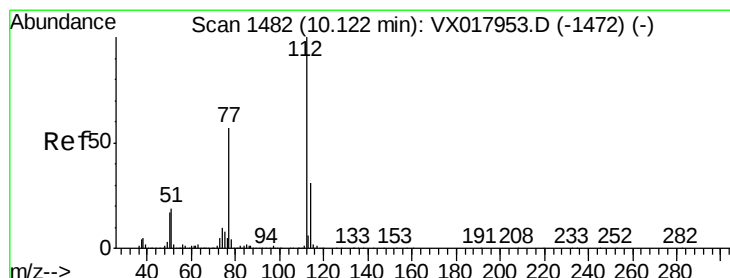
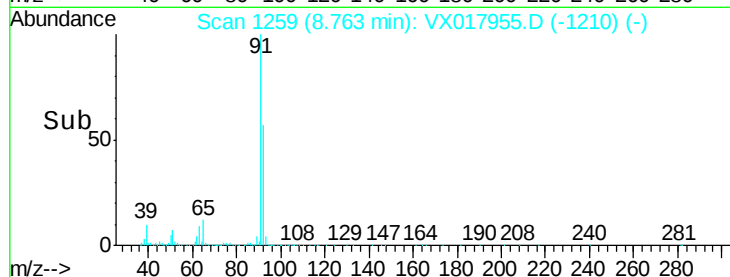
400000

200000

0

Time-->

8.70 8.80 8.90



#53

Chlorobenzene

Concen: 1.874 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

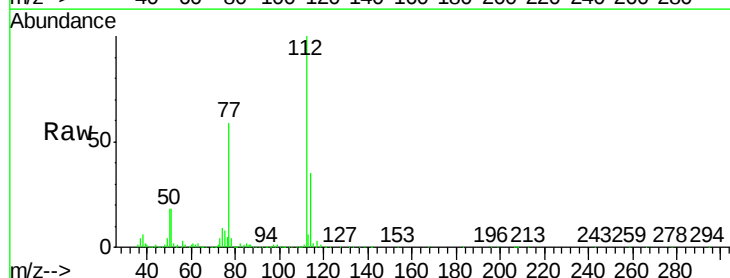
Tgt Ion: 112 Resp: 153522

Ion Ratio Lower Upper

112 100

114 34.7 23.5 43.7

77 59.2 46.7 70.1



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

10.12

150000

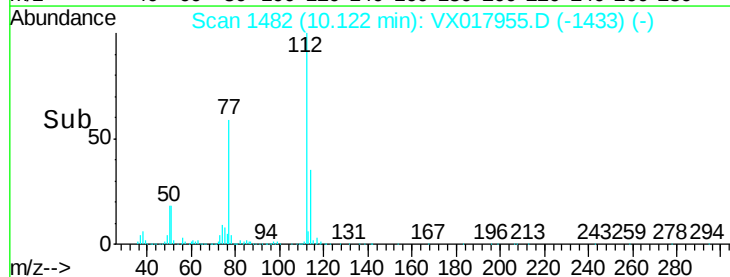
100000

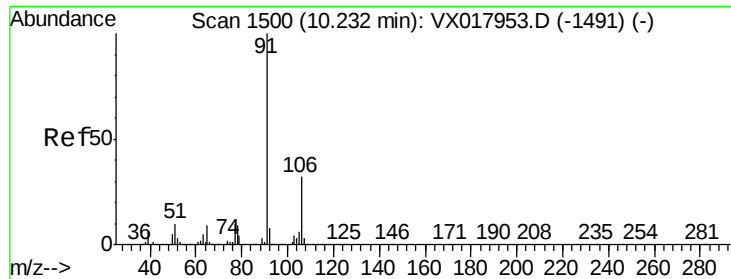
50000

0

Time-->

10.10 10.20





#54

Ethylbenzene

Concen: 1.263 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Instrument :

MSVOA\_X

ClientSampleId :

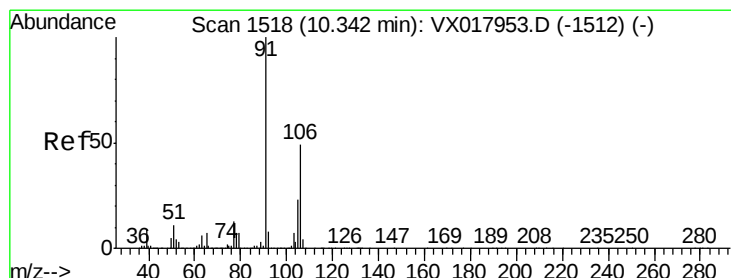
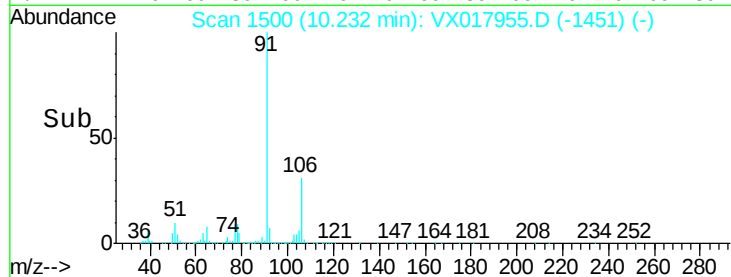
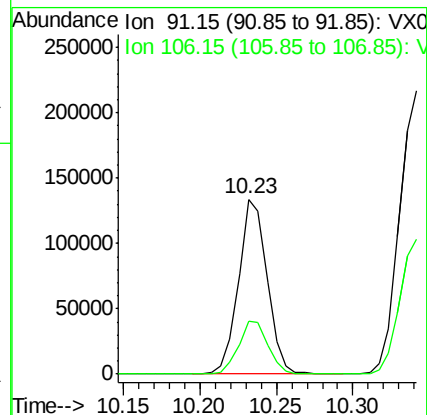
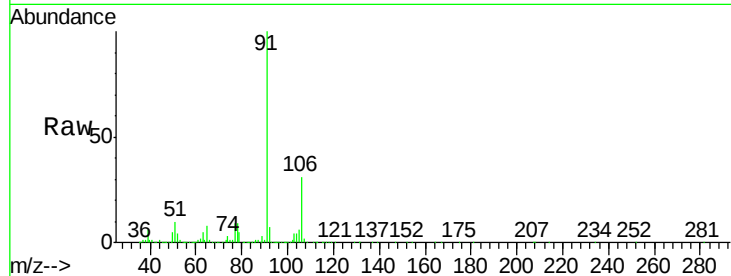
BG0N2DL

Tot Ion: 91 Resp: 173464

Ion Ratio Lower Upper

91 100

106 30.6 22.5 41.9



#55

m,p-xylene

Concen: 2.594 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017955.D

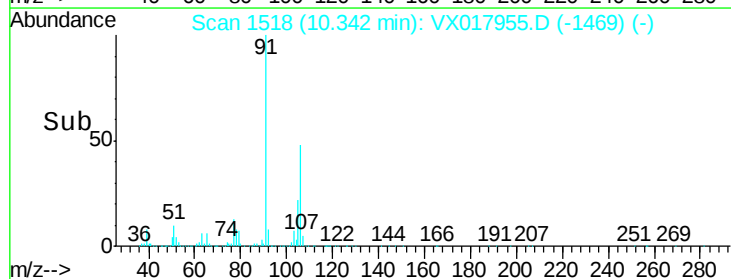
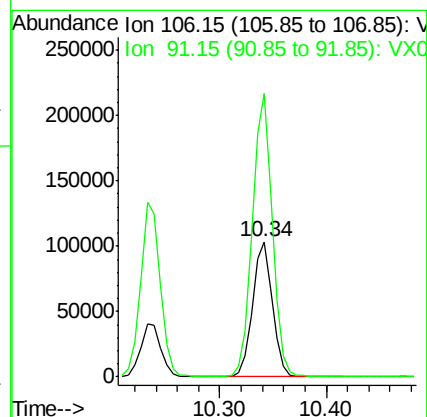
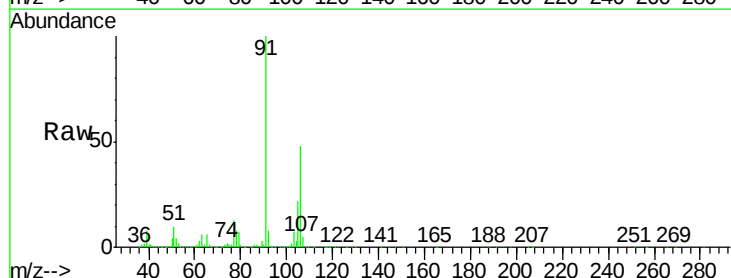
Acq: 18 Aug 2020 11:31

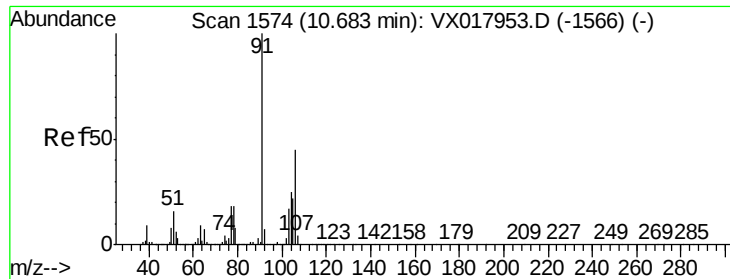
Tgt Ion: 106 Resp: 136047

Ion Ratio Lower Upper

106 100

91 209.4 143.3 266.1

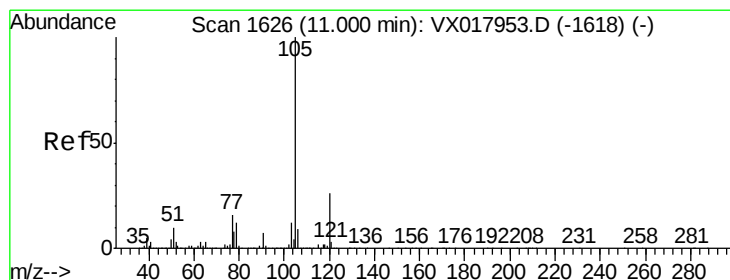
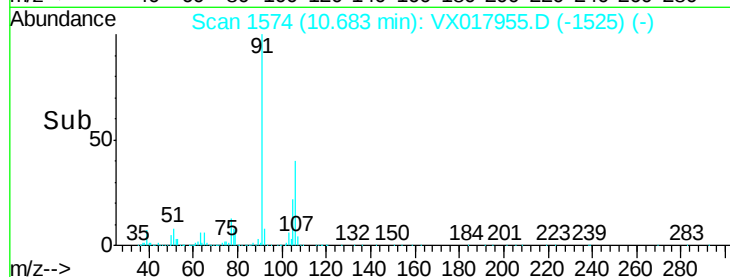
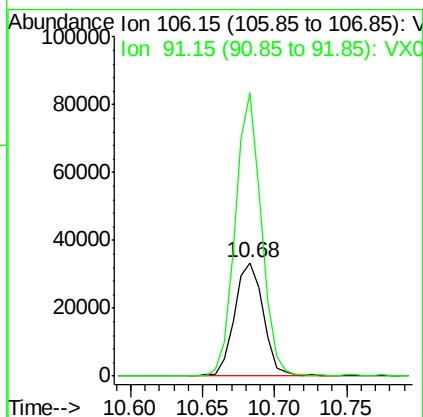
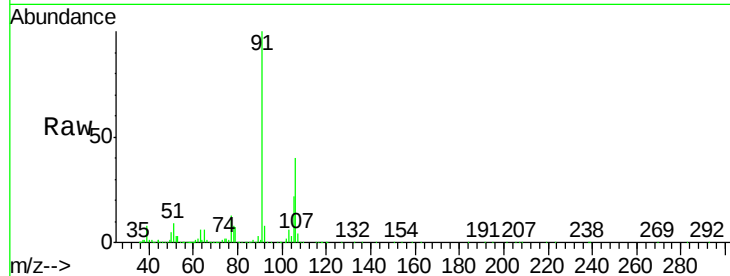




#56  
o-xylene  
Concen: 0.913 ug/L  
RT: 10.68 min Scan# 1574  
Delta R.T. -0.00 min  
Lab File: VX017955.D  
Acq: 18 Aug 2020 11:31

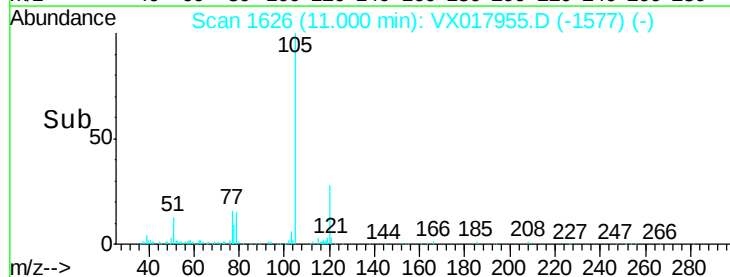
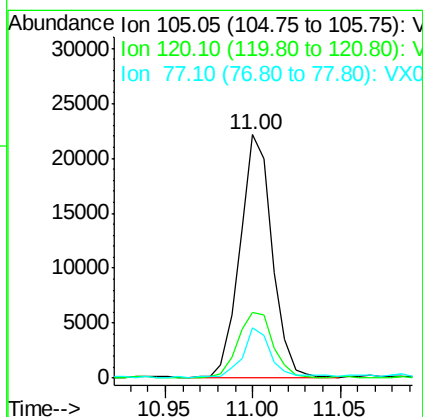
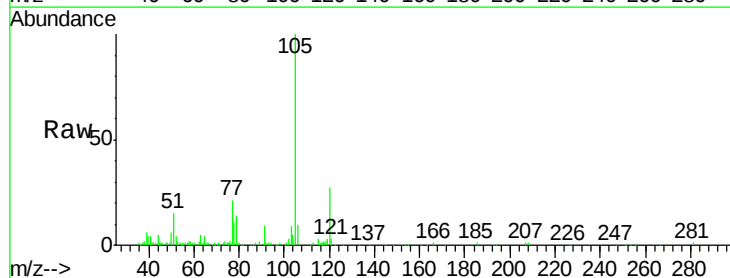
Instrument :  
MSVOA\_X  
ClientSampleId :  
BG0N2DL

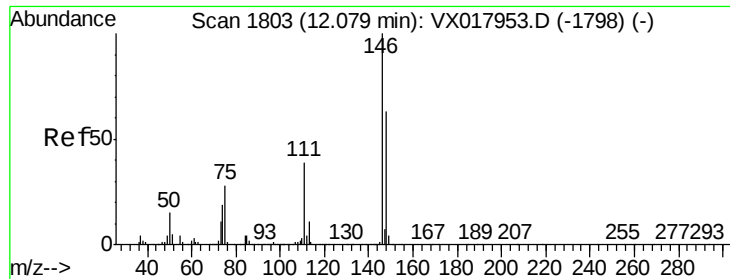
Tot Ion:106 Resp: 46442  
Ion Ratio Lower Upper  
106 100  
91 249.6 149.8 278.2



#58  
Isopropylbenzene  
Concen: 0.209 ug/L  
RT: 11.00 min Scan# 1626  
Delta R.T. -0.00 min  
Lab File: VX017955.D  
Acq: 18 Aug 2020 11:31

Tgt Ion:105 Resp: 28389  
Ion Ratio Lower Upper  
105 100  
120 29.7 21.8 32.6  
77 19.4 12.8 19.2#





#64

1,4-Dichlorobenzene

Concen: 0.144 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

Instrument :

MSVOA\_X

ClientSampleId :

BG0N2DL

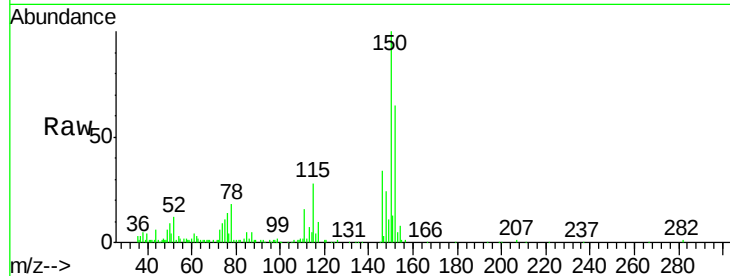
Tot Ion:146 Resp: 8566

Ion Ratio Lower Upper

146 100

111 46.8 26.0 48.2

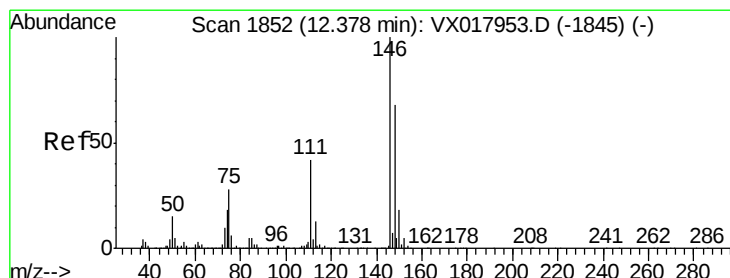
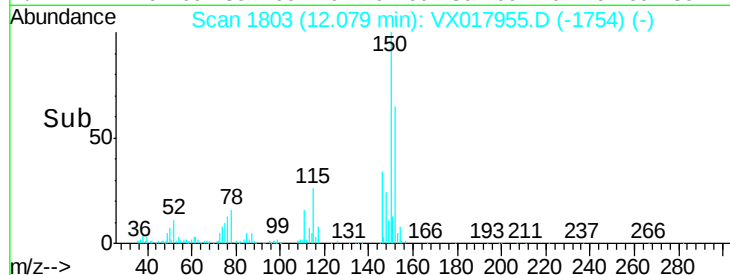
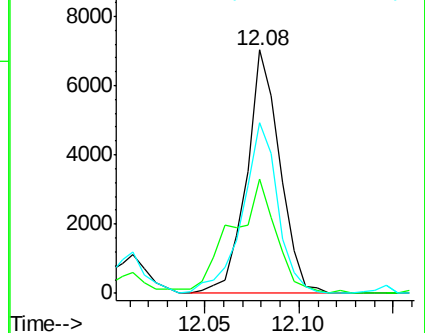
148 70.1 43.2 80.2



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: 0.175 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX017955.D

Acq: 18 Aug 2020 11:31

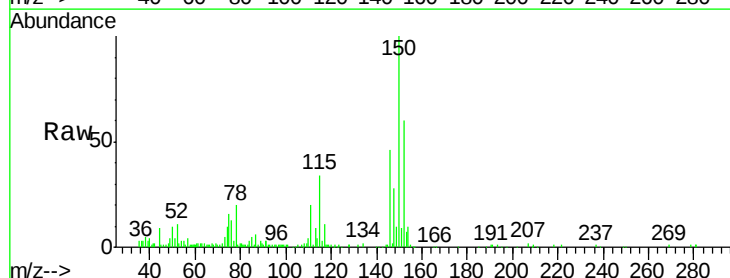
Tgt Ion:146 Resp: 9753

Ion Ratio Lower Upper

146 100

111 44.4 32.2 48.4

148 60.9 52.3 78.5



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

