

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100920\  
 Data File : VV018805.D  
 Acq On : 09 Oct 2020 09:43  
 Operator : SY/MD  
 Sample : VIBLK71  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK71

Quant Time: Oct 10 00:17:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 09 23:43:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 186202   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 183417   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 94073    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

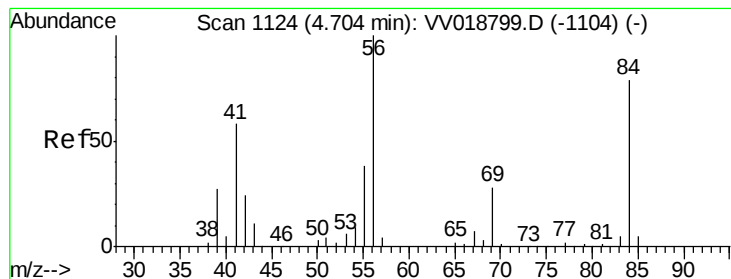
|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 148922   | 88.02    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 176.04%# |
| 7) Chloroethane-d5             | 1.58    | 69    | 127791   | 93.84    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 187.68%# |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 229771   | 70.44    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 140.88%# |
| 21) 2-Butanone-d5              | 3.90    | 46    | 227159   | 218.67   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 218.67%# |
| 24) Chloroform-d               | 4.38    | 84    | 292706   | 98.06    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 196.12%# |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 210112   | 103.84   | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 207.68%# |
| 32) Benzene-d6                 | 5.07    | 84    | 595130   | 100.82   | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 201.64%# |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 191792   | 99.65    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 199.30%# |
| 41) Toluene-d8                 | 7.34    | 98    | 523777   | 99.96    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 199.92%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 91787    | 97.56    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 195.12%# |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 123209   | 182.64   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 182.64%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 193675   | 87.47    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 174.94%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 219415   | 105.39   | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 210.78%# |

## Target Compounds

|                            |       |     |       |              | Qvalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 29) Cyclohexane            | 4.71  | 56  | 2807  | 1.264 ug/L   | 96     |
| 30) 1,1,1-Trichloroethane  | 4.64  | 97  | 2505  | 1.025 ug/L # | 67     |
| 42) Toluene                | 7.41  | 91  | 48063 | 8.041 ug/L   | 98     |
| 46) Tetrachloroethene      | 8.00  | 164 | 1442  | 1.175 ug/L   | 91     |
| 52) Ethylbenzene           | 9.04  | 91  | 12563 | 1.851 ug/L   | 97     |
| 53) m,p-Xylene             | 9.16  | 106 | 12117 | 4.863 ug/L   | 93     |
| 54) o-xylene               | 9.57  | 106 | 6442  | 2.722 ug/L   | 94     |
| 56) Isopropylbenzene       | 9.95  | 105 | 9976  | 1.524 ug/L   | 97     |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180 | 3873  | 2.073 ug/L   | 96     |
| 70) 1,2,3-Trichlorobenzene | 13.77 | 180 | 1654  | 0.892 ug/L # | 93     |

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

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100920\
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Acq On    : 09 Oct 2020 09:43
Operator  : SY/MD
Sample    : VIBLK71
Misc      : 5.0mL/MSVOA_V/WATER
ALS Vial  : 37 Sample Multiplier: 1
```



#29

Cyclohexane

Concen: 1.264 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018805.D

Acq: 09 Oct 2020 09:43

Instrument :

MSVOA\_V

ClientSampleId :

VIBLK71

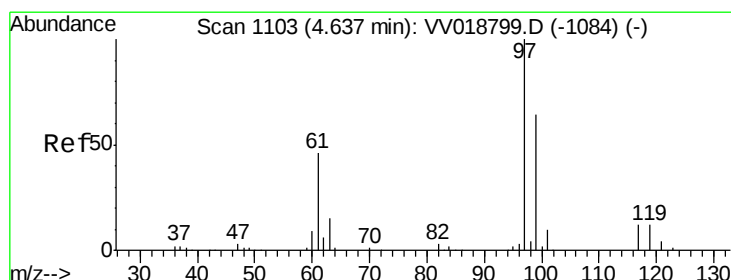
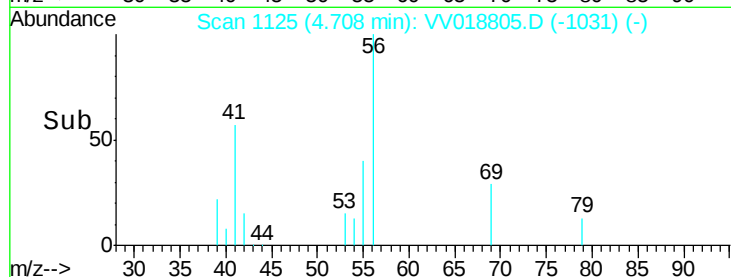
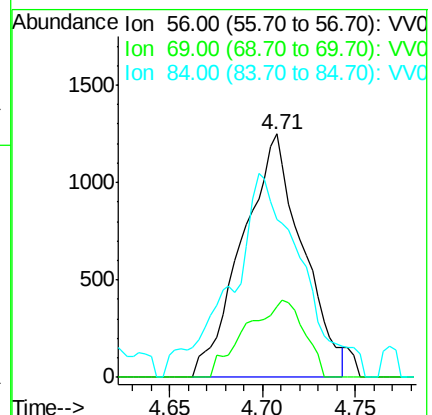
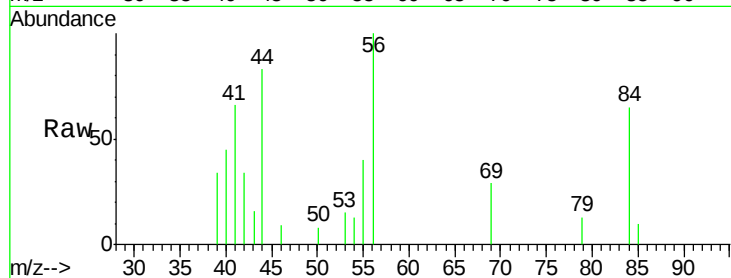
Tgt Ion: 56 Resp: 2807

Ion Ratio Lower Upper

56 100

69 29.1 23.1 34.7

84 76.6 65.2 97.8



#30

1,1,1-Trichloroethane

Concen: 1.025 ug/L

RT: 4.64 min Scan# 1105

Delta R.T. 0.01 min

Lab File: VV018805.D

Acq: 09 Oct 2020 09:43

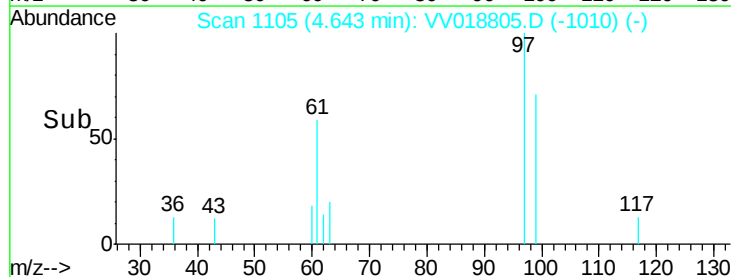
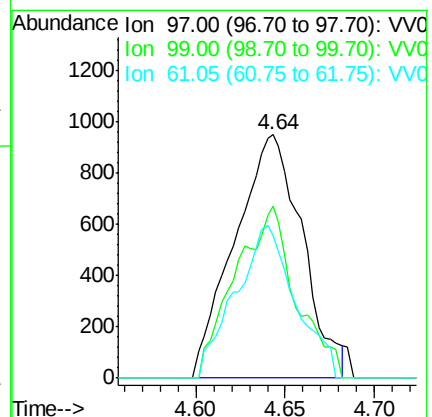
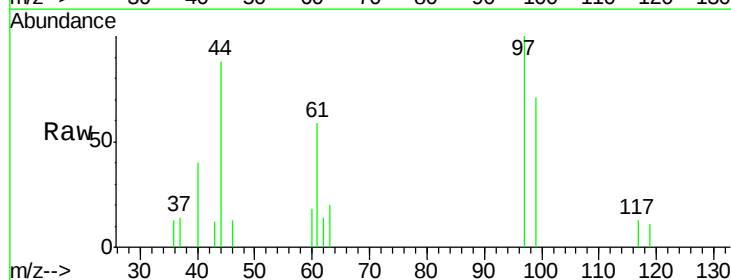
Tgt Ion: 97 Resp: 2505

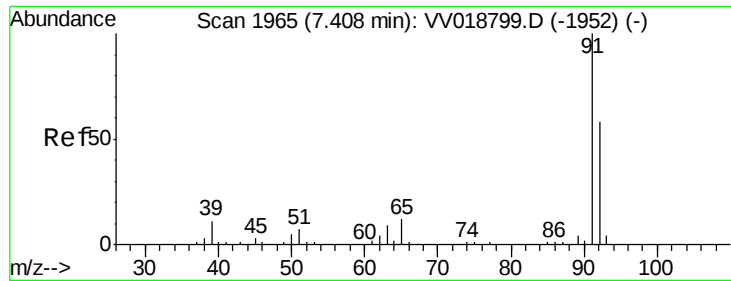
Ion Ratio Lower Upper

97 100

99 27.4 51.0 76.4#

61 55.6 37.0 55.4#





#42

Toluene

Concen: 8.041 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018805.D

Acq: 09 Oct 2020 09:43

Instrument :

MSVOA\_V

ClientSampleId :

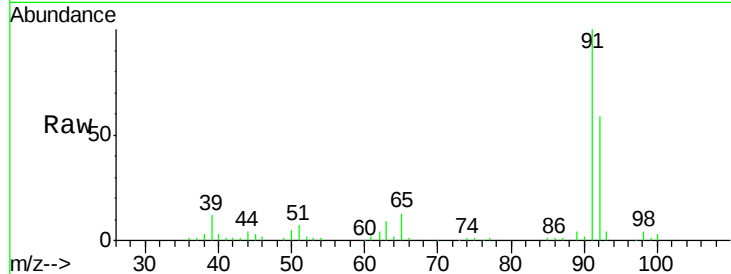
VIBLK71

Tgt Ion: 91 Resp: 48063

Ion Ratio Lower Upper

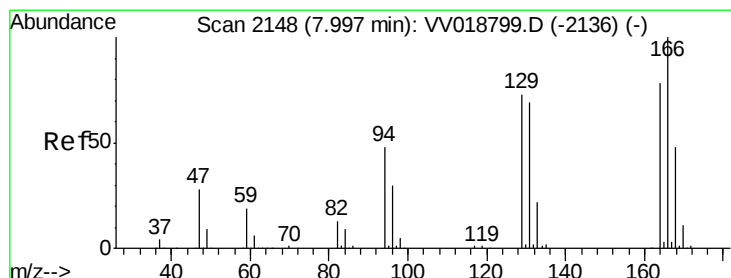
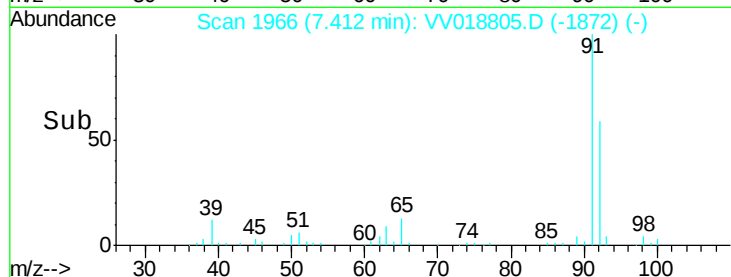
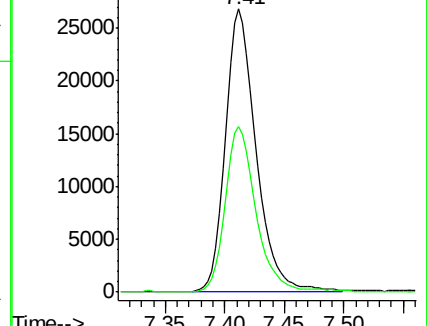
91 100

92 58.5 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV018799.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018799.D (-1952) (-)



#46

Tetrachloroethene

Concen: 1.175 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV018805.D

Acq: 09 Oct 2020 09:43

Tgt Ion: 164 Resp: 1442

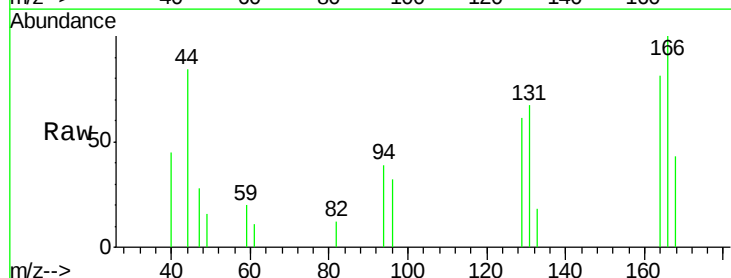
Ion Ratio Lower Upper

164 100

129 74.9 64.6 120.0

131 82.4 63.6 118.0

166 123.5 88.3 164.1

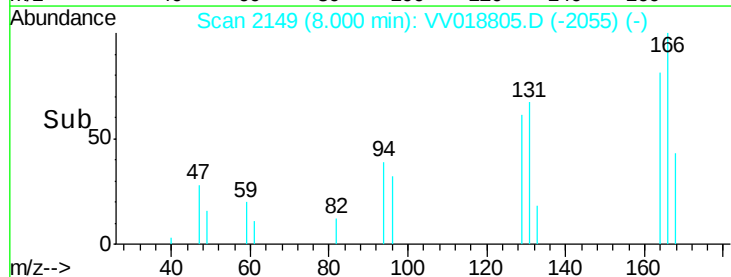
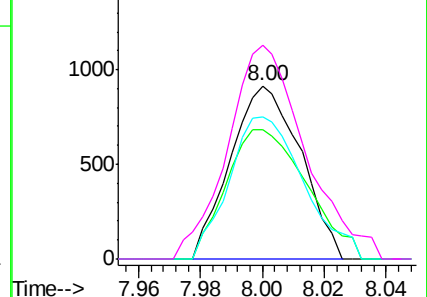


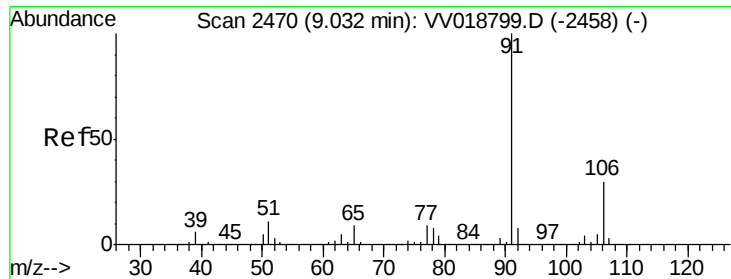
Abundance Ion 164.00 (163.70 to 164.70): VV018799.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): VV018799.D (-2136) (-)

Ion 131.00 (130.70 to 131.70): VV018799.D (-2136) (-)

Ion 166.00 (165.70 to 166.70): VV018799.D (-2136) (-)





#52

Ethylbenzene

Concen: 1.851 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV018805.D

Acq: 09 Oct 2020 09:43

Instrument :

MSVOA\_V

ClientSampleId :

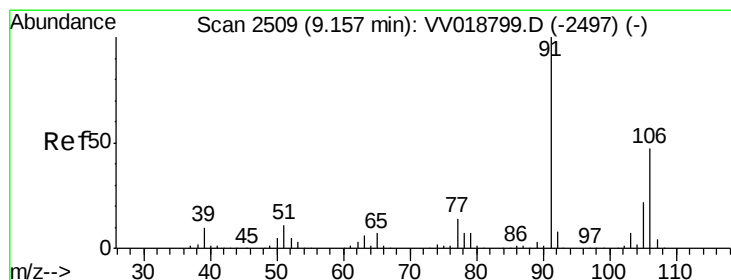
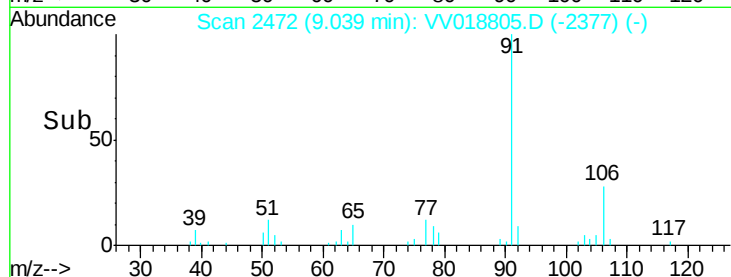
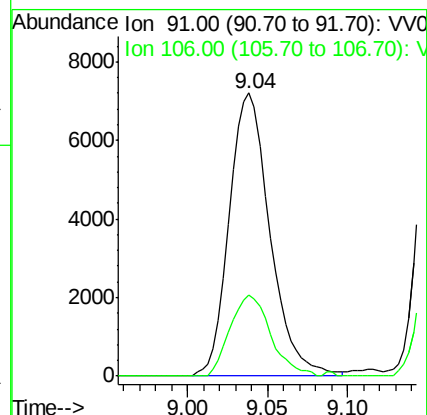
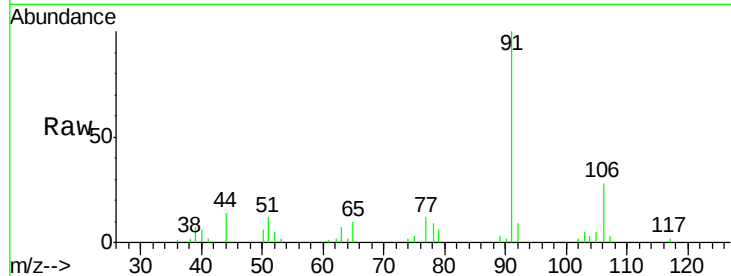
VIBLK71

Tgt Ion: 91 Resp: 12563

Ion Ratio Lower Upper

91 100

106 28.5 20.9 38.9



#53

m,p-Xylene

Concen: 4.863 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018805.D

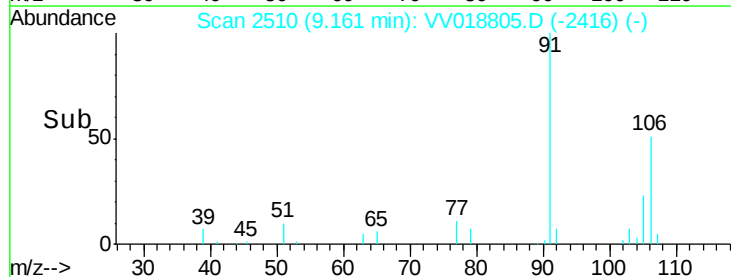
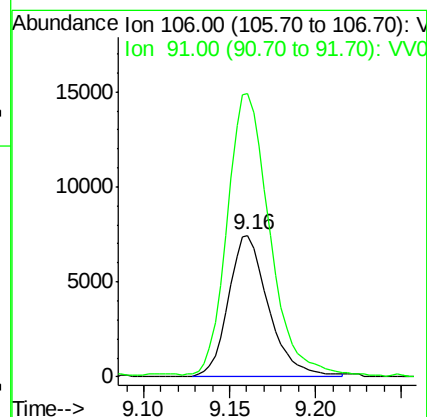
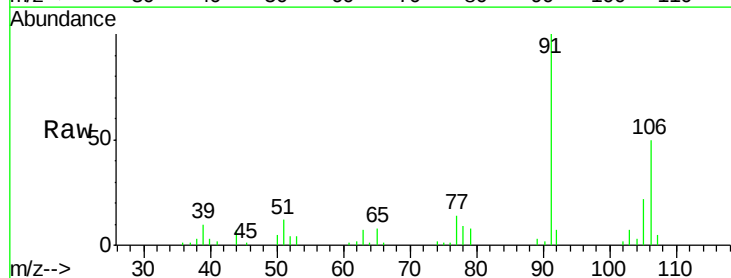
Acq: 09 Oct 2020 09:43

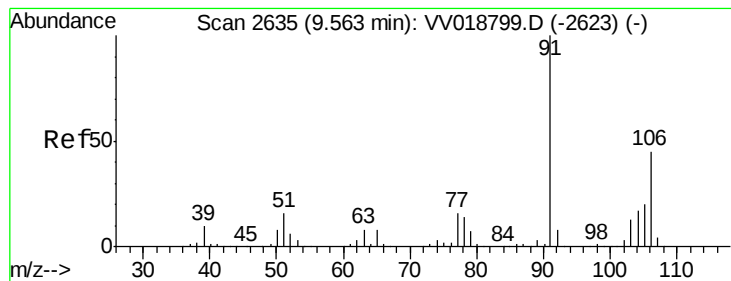
Tgt Ion: 106 Resp: 12117

Ion Ratio Lower Upper

106 100

91 199.9 147.1 273.1





#54

o-xylene

Concen: 2.722 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.01 min

Lab File: VV018805.D

Acq: 09 Oct 2020 09:43

Instrument :

MSVOA\_V

ClientSampleId :

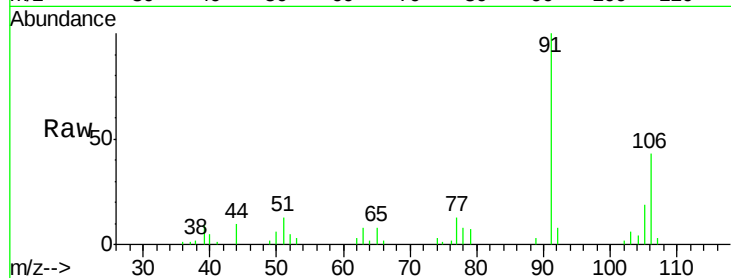
VIBLK71

Tgt Ion:106 Resp: 6442

Ion Ratio Lower Upper

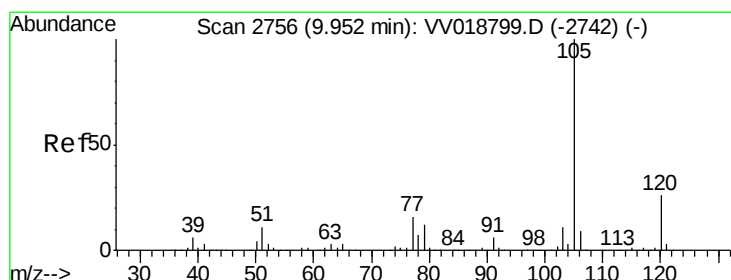
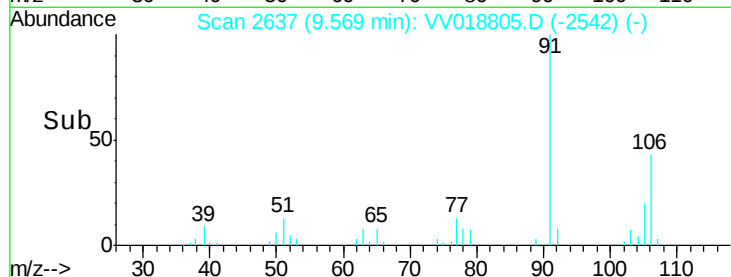
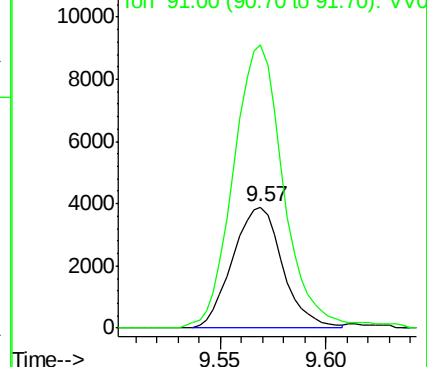
106 100

91 234.0 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Isopropylbenzene

Concen: 1.524 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV018805.D

Acq: 09 Oct 2020 09:43

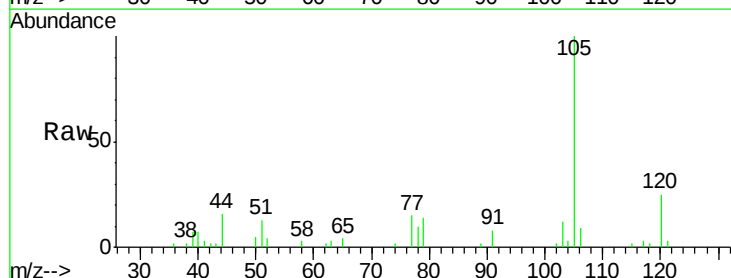
Tgt Ion:105 Resp: 9976

Ion Ratio Lower Upper

105 100

120 27.8 20.4 30.6

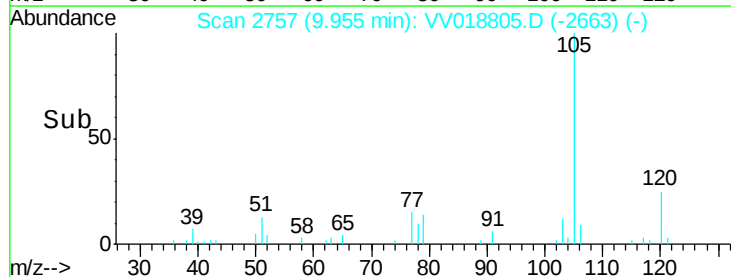
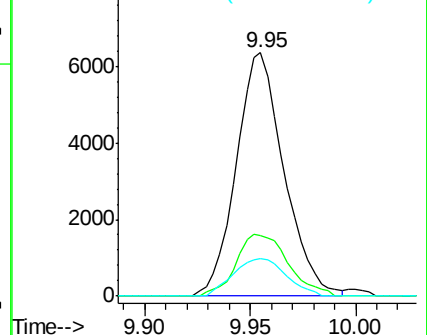
77 17.0 13.0 19.6

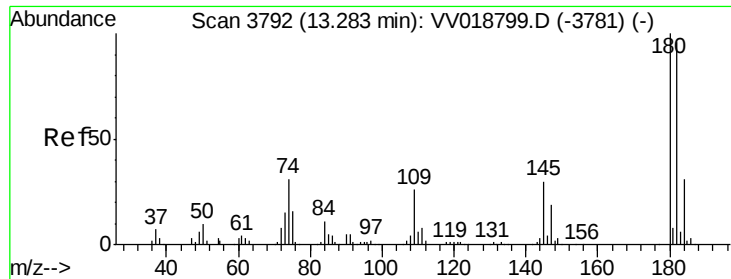


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

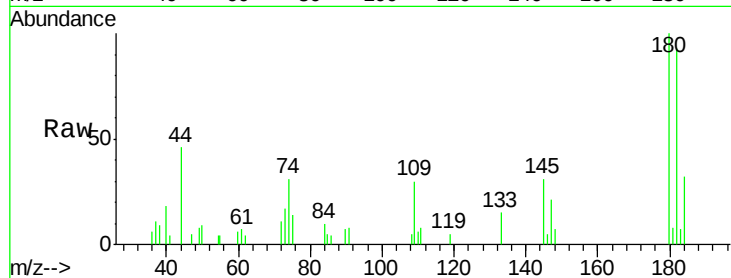




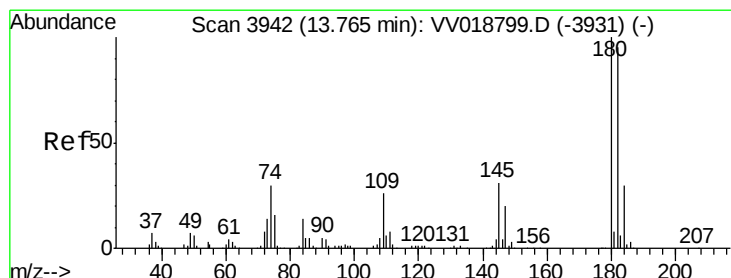
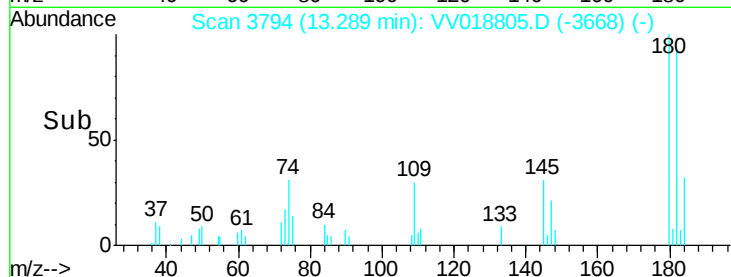
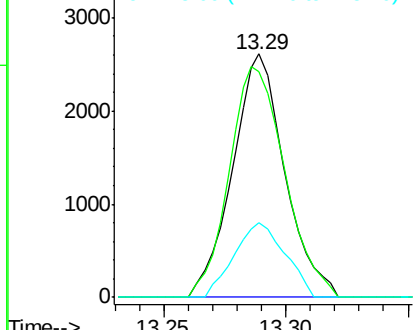
#68  
 1,2,4-trichlorobenzene  
 Concen: 2.073 ug/L  
 RT: 13.29 min Scan# 3794  
 Delta R.T. 0.01 min  
 Lab File: VV018805.D  
 Acq: 09 Oct 2020 09:43

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK71

Tgt Ion:180 Resp: 3873  
 Ion Ratio Lower Upper  
 180 100  
 182 101.0 76.7 115.1  
 145 29.9 24.0 36.0

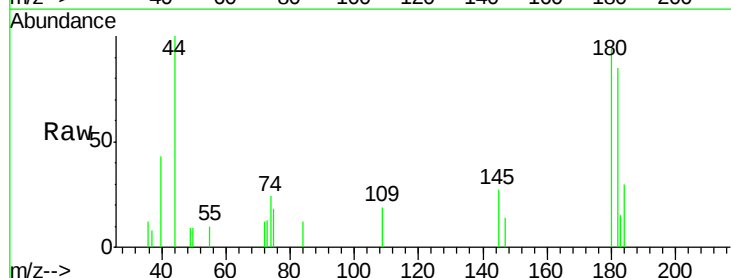


Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V



#70  
 1,2,3-Trichlorobenzene  
 Concen: 0.892 ug/L  
 RT: 13.77 min Scan# 3943  
 Delta R.T. 0.00 min  
 Lab File: VV018805.D  
 Acq: 09 Oct 2020 09:43

Tgt Ion:180 Resp: 1654  
 Ion Ratio Lower Upper  
 180 100  
 182 98.4 75.9 113.9  
 145 22.2 25.2 37.8#



Abundance Ion 180.00 (179.70 to 180.70): V  
 Ion 182.00 (181.70 to 182.70): V  
 Ion 145.00 (144.70 to 145.70): V

