

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV060920\  
 Data File : VV016756.D  
 Acq On : 10 Jun 2020 09:22  
 Operator : SY/MD  
 Sample : L2914-10DL 500X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9E13DL

Quant Time: Jun 10 14:14:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 10 11:40:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 382591   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 360387   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 168039   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 93078    | 34.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 68.96%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 55017    | 33.96    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 67.92%# |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 135726   | 29.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.88%# |
| 21) 2-Butanone-d5              | 3.90    | 46    | 184726   | 92.45    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 92.45%  |
| 24) Chloroform-d               | 4.37    | 84    | 239170   | 43.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.14%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 169825   | 45.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.96%  |
| 32) Benzene-d6                 | 5.07    | 84    | 455813   | 43.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.76%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 144839   | 44.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.46%  |
| 41) Toluene-d8                 | 7.34    | 98    | 404975   | 42.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.96%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 68777    | 40.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.56%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 122036   | 86.44    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 86.44%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 185986   | 43.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 165321   | 46.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.20%  |

## Target Compounds

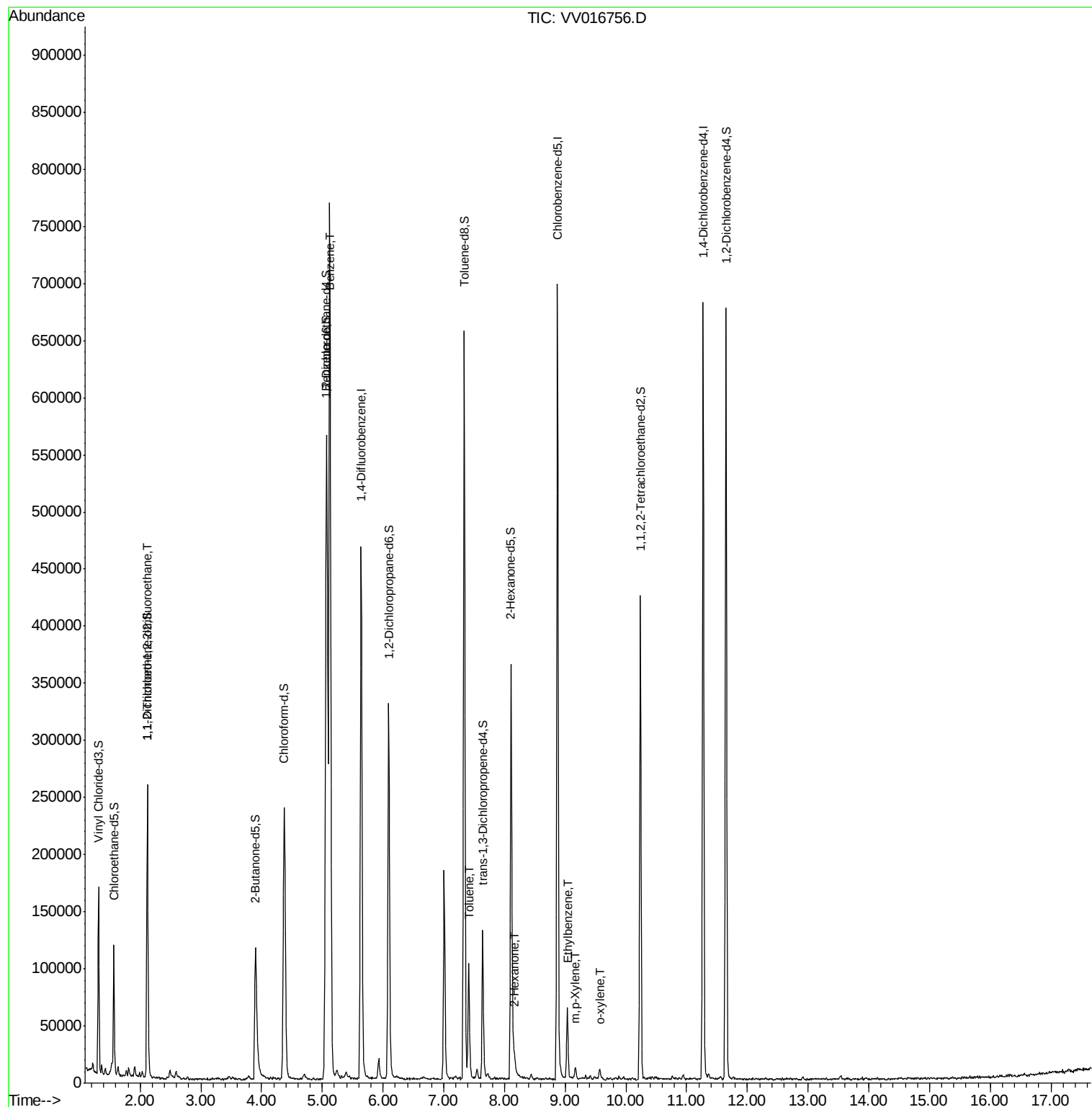
|                                |      |     |        |       |      | Qvalue |
|--------------------------------|------|-----|--------|-------|------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1316   | 0.65  | ug/L | # 18   |
| 33) Benzene                    | 5.12 | 78  | 743623 | 69.74 | ug/L | 100    |
| 42) Toluene                    | 7.41 | 91  | 70829  | 6.30  | ug/L | 100    |
| 48) 2-Hexanone                 | 8.17 | 43  | 10685  | 3.51  | ug/L | # 50   |
| 52) Ethylbenzene               | 9.04 | 91  | 42010  | 3.37  | ug/L | 100    |
| 53) m,p-Xylene                 | 9.17 | 106 | 2658   | 0.57  | ug/L | 89     |
| 54) o-xylene                   | 9.57 | 106 | 2406   | 0.53  | ug/L | 77     |

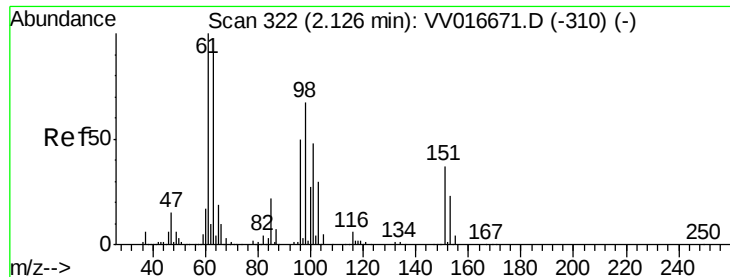
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L2914-10DL 500X  
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Instrument :  
MSVOA\_V  
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F9E13DL

Quant Time: Jun 10 14:14:05 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jun 10 11:40:53 2020  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.65 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV016756.D

Acq: 10 Jun 2020 09:22

Instrument :

MSVOA\_V

ClientSampleId :

F9E13DL

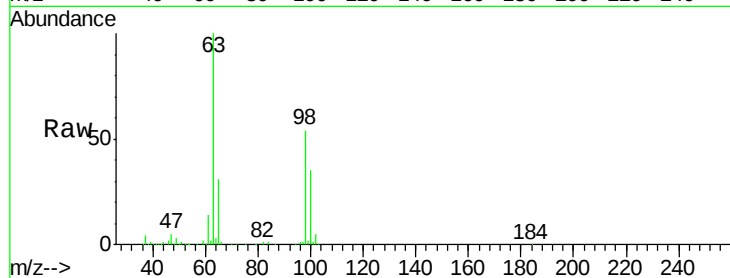
Tgt Ion:101 Resp: 1316

Ion Ratio Lower Upper

101 100

85 1.7 35.5 53.3#

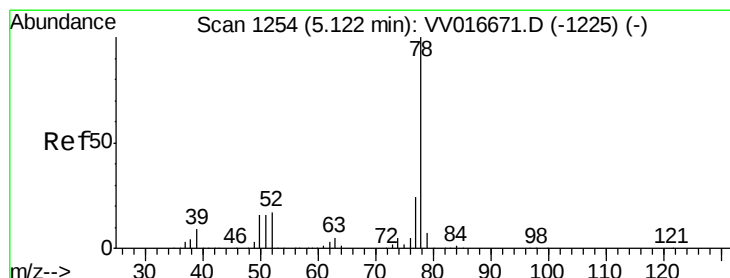
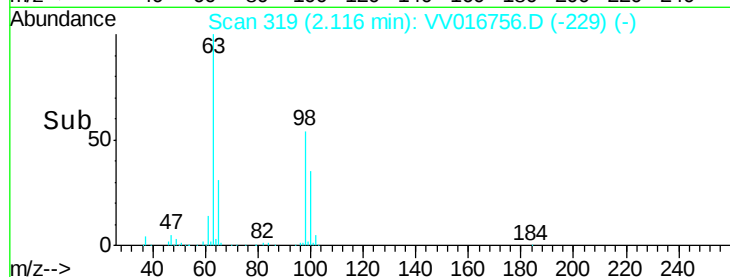
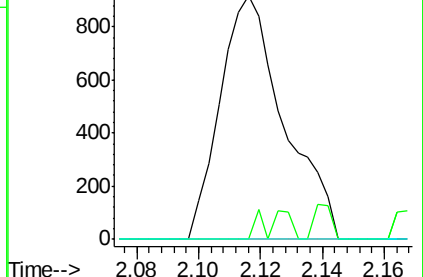
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#33

Benzene

Concen: 69.74 ug/L

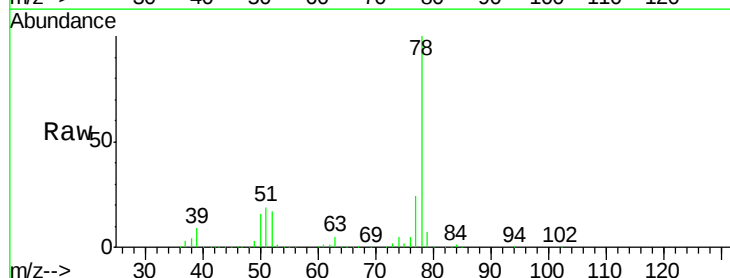
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016756.D

Acq: 10 Jun 2020 09:22

Tgt Ion: 78 Resp: 743623



Abundance Ion 78.00 (77.70 to 78.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

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Ion 78.00 (77.70 to 78.70): VV0

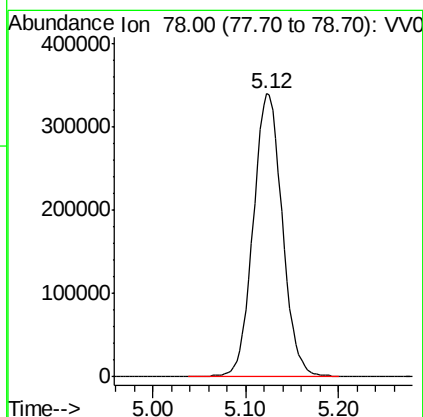
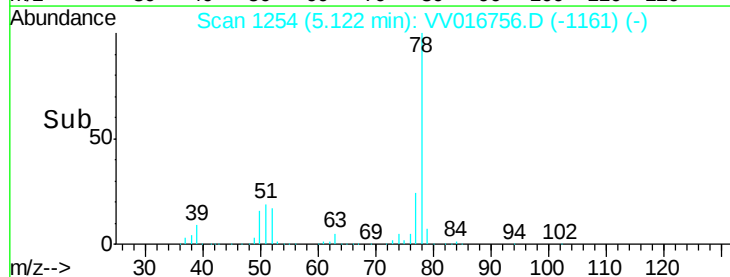
Ion 78.00 (77.70 to 78.70): VV0

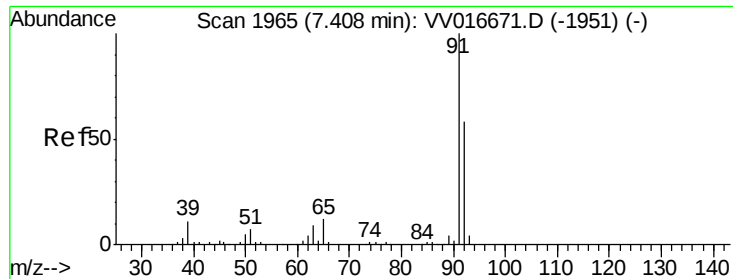
Ion 78.00 (77.70 to 78.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#42

Toluene

Concen: 6.30 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016756.D

Acq: 10 Jun 2020 09:22

Instrument :

MSVOA\_V

ClientSampled :

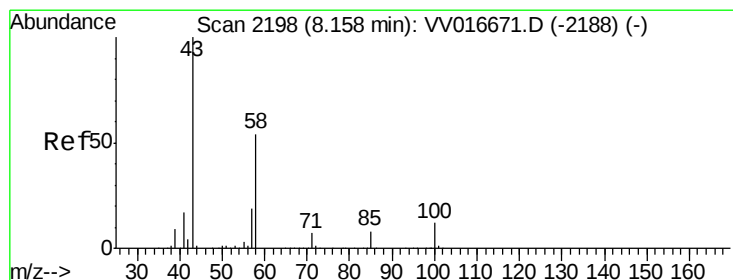
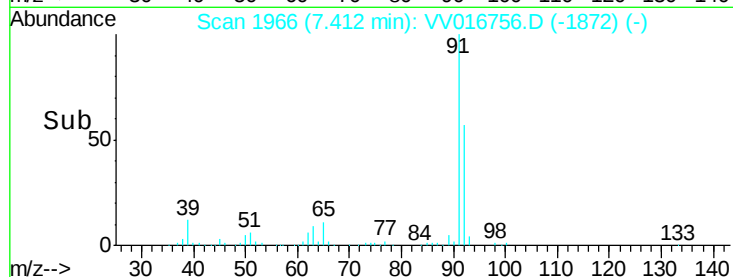
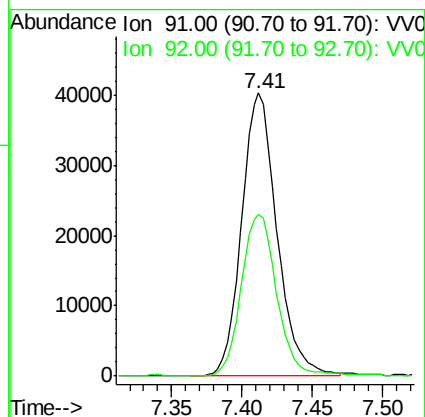
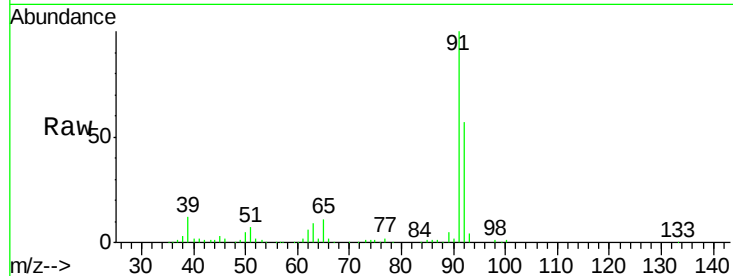
F9E13DL

Tgt Ion: 91 Resp: 70829

Ion Ratio Lower Upper

91 100

92 57.4 40.4 75.0



#48

2-Hexanone

Concen: 3.51 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV016756.D

Acq: 10 Jun 2020 09:22

Tgt Ion: 43 Resp: 10685

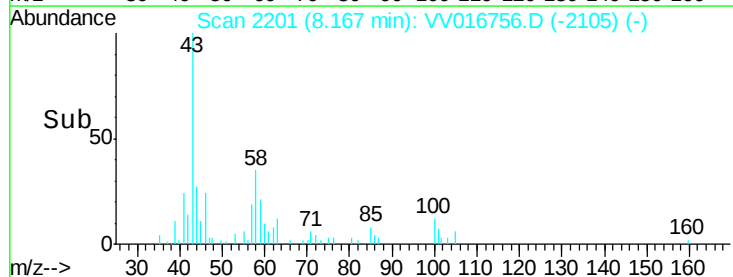
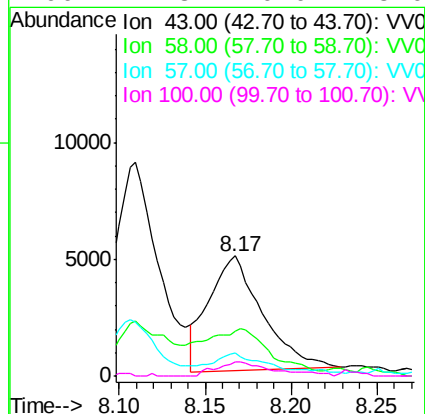
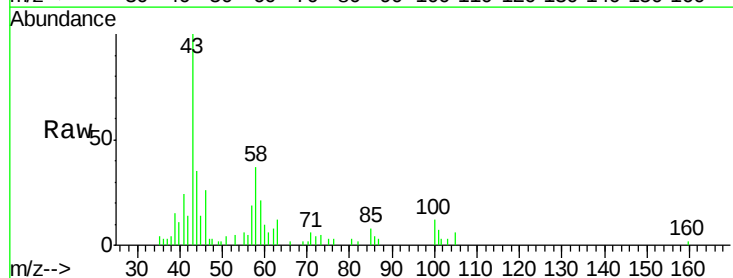
Ion Ratio Lower Upper

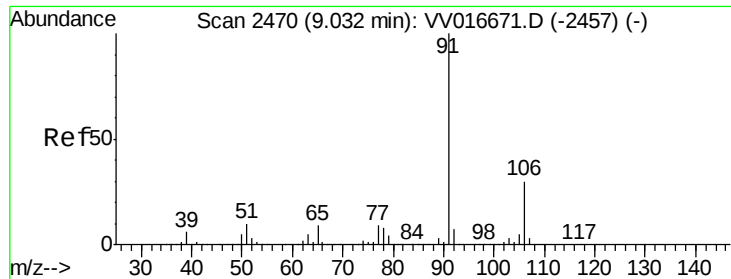
43 100

58 0.0 43.1 64.7#

57 17.0 15.3 22.9

100 7.3 10.0 15.0#





#52

Ethylbenzene

Concen: 3.37 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016756.D

Acq: 10 Jun 2020 09:22

Instrument :

MSVOA\_V

ClientSampled :

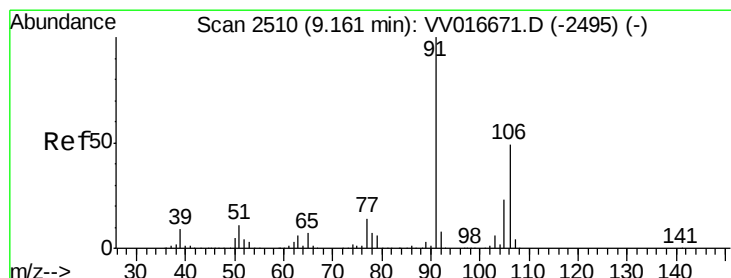
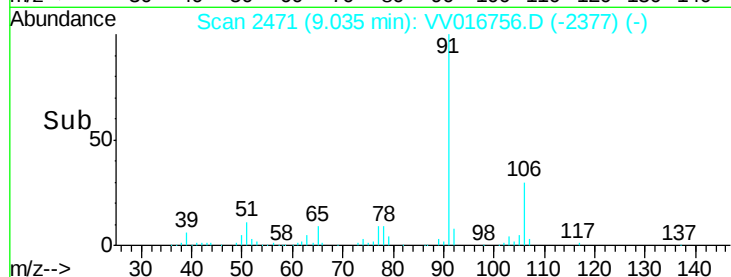
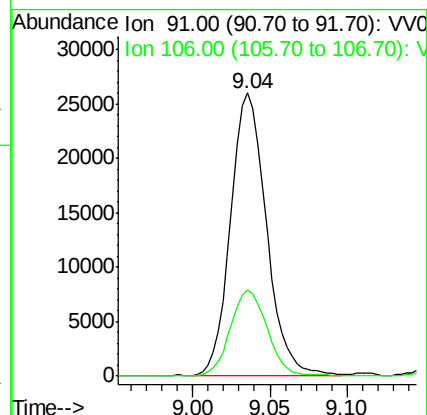
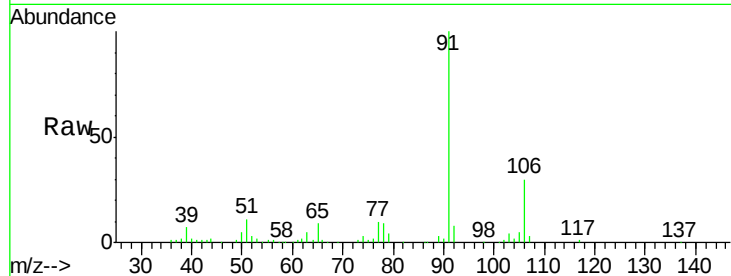
F9E13DL

Tgt Ion: 91 Resp: 42010

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.1



#53

m,p-Xylene

Concen: 0.57 ug/L

RT: 9.17 min Scan# 2512

Delta R.T. 0.01 min

Lab File: VV016756.D

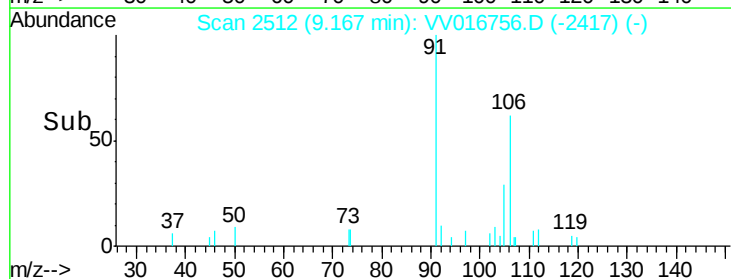
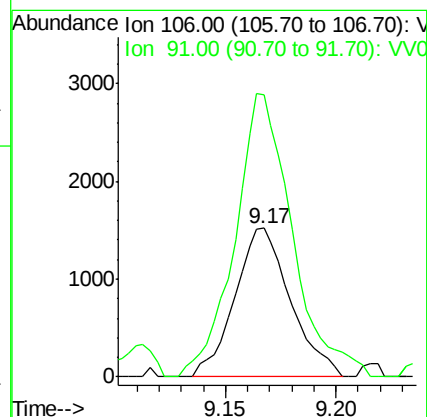
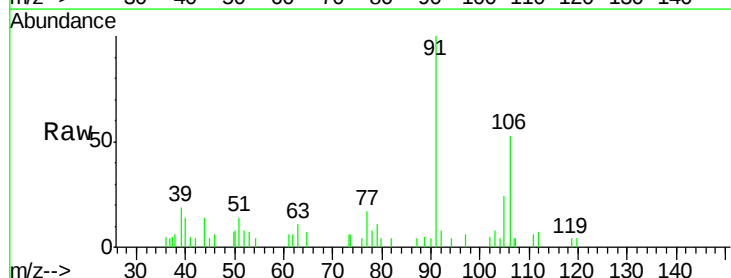
Acq: 10 Jun 2020 09:22

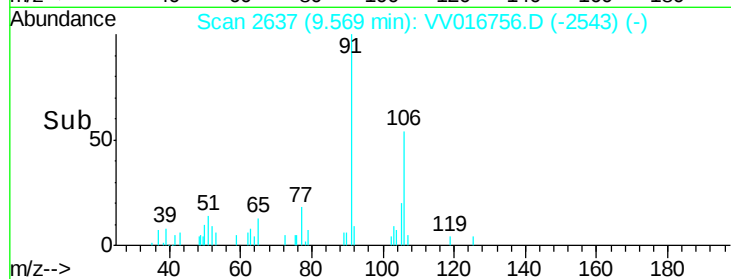
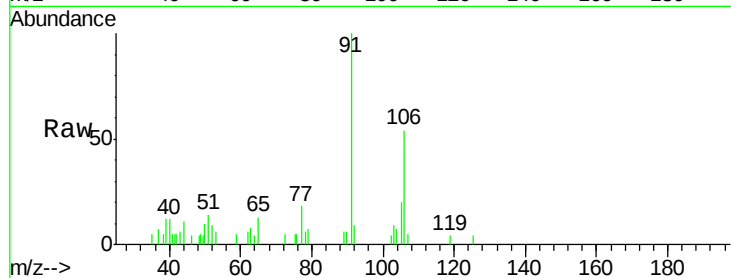
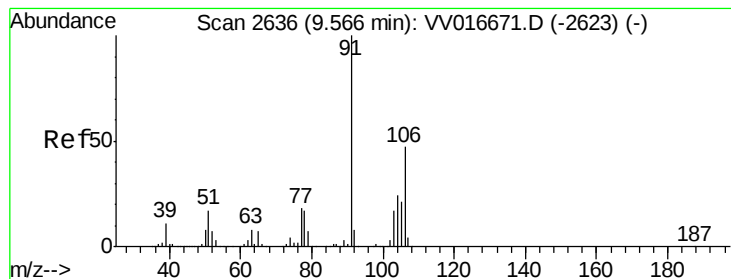
Tgt Ion: 106 Resp: 2658

Ion Ratio Lower Upper

106 100

91 190.3 144.6 268.6





#54

o-xylene

Concen: 0.53 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.00 min

Lab File: VV016756.D

Acq: 10 Jun 2020 09:22

Instrument :

MSVOA\_V

ClientSampleId :

F9E13DL

Tgt Ion:106 Resp: 2406

Ion Ratio Lower Upper

106 100

91 185.2 155.9 289.5

