

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061520\  
 Data File : VV016934.D  
 Acq On : 15 Jun 2020 14:15  
 Operator : SY/MD  
 Sample : L2990-15DL 200X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E3YG9DL

Quant Time: Jun 16 05:50:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 16 05:46:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 370837   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 348872   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 164775   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 100877   | 38.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.10% |
| 7) Chloroethane-d5             | 1.57    | 69    | 58416    | 37.20    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 74.40% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 145614   | 33.14    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.28% |
| 21) 2-Butanone-d5              | 3.90    | 46    | 170054   | 87.81    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 87.81% |
| 24) Chloroform-d               | 4.37    | 84    | 230512   | 43.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.64% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 166165   | 45.91    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.82% |
| 32) Benzene-d6                 | 5.07    | 84    | 457319   | 45.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.94% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 139849   | 44.61    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.22% |
| 41) Toluene-d8                 | 7.34    | 98    | 420117   | 45.52    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.04% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 71596    | 43.85    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.70% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 99473    | 72.78    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 72.78% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 165518   | 39.88    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 79.76% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 167222   | 47.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.10% |

## Target Compounds

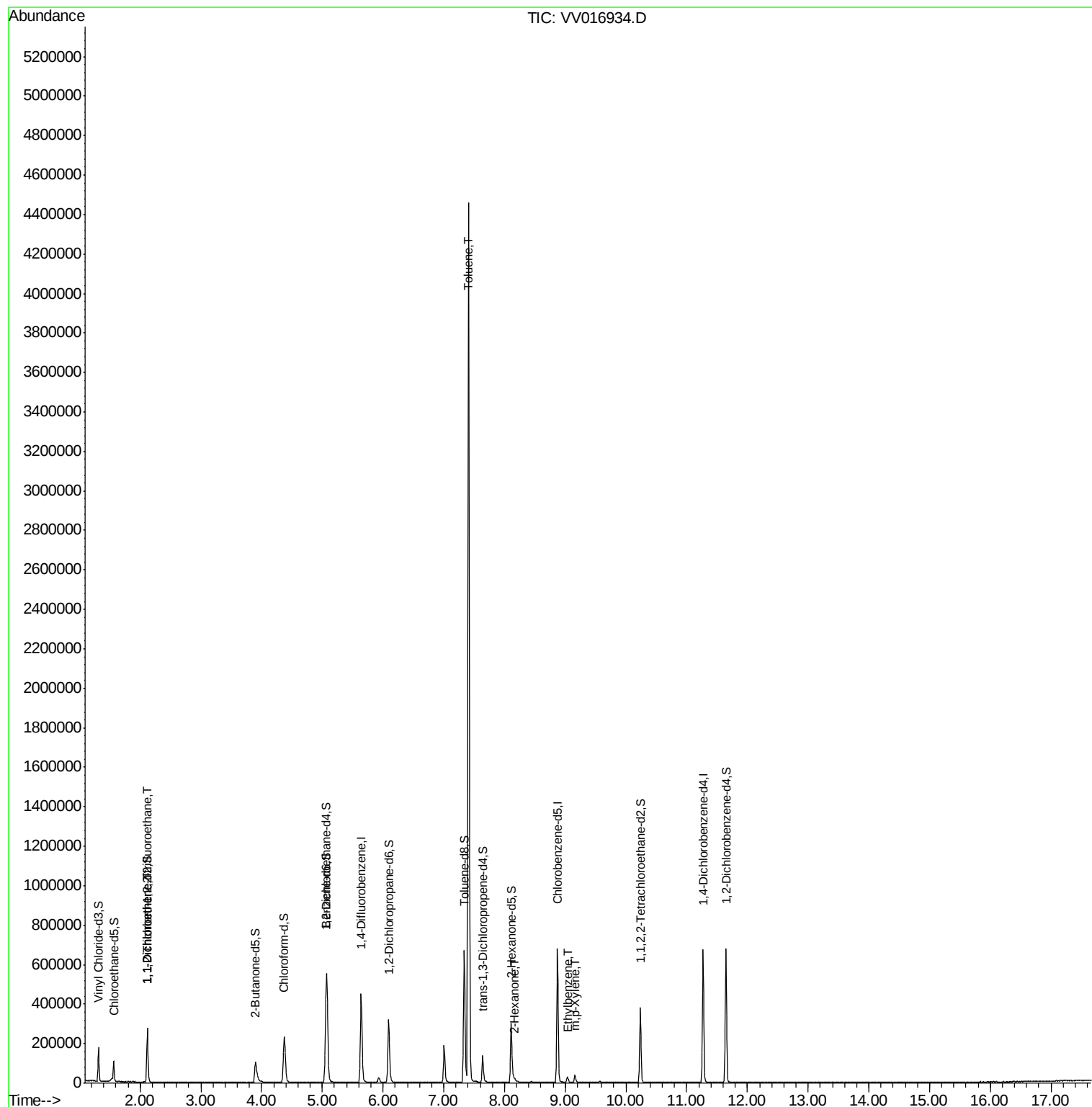
|                                |      |     |         |              | Ovalue |
|--------------------------------|------|-----|---------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12 | 101 | 1492    | 0.757 ug/L # | 19     |
| 12) 1,1-Dichloroethene         | 2.12 | 96  | 1335    | 0.725 ug/L # | 1      |
| 42) Toluene                    | 7.41 | 91  | 3080217 | 283.070 ug/L | 99     |
| 48) 2-Hexanone                 | 8.16 | 43  | 9841    | 3.337 ug/L # | 82     |
| 52) Ethylbenzene               | 9.04 | 91  | 19943   | 1.655 ug/L   | 94     |
| 53) m,p-Xylene                 | 9.16 | 106 | 10257   | 2.286 ug/L   | 91     |

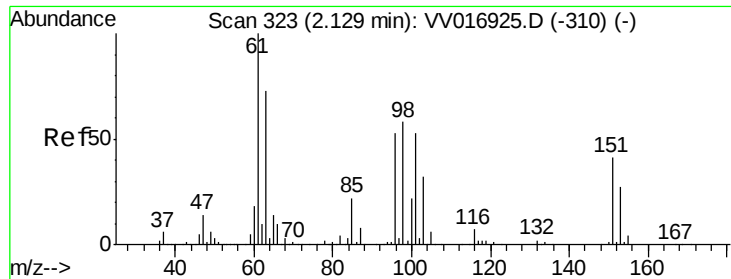
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Jun 16 05:46:50 2020  
Response via : Initial Calibration





#10

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

Concen: 0.757 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016934.D

Acq: 15 Jun 2020 14:15

Instrument :

MSVOA\_V

ClientSampleId :

E3YG9DL

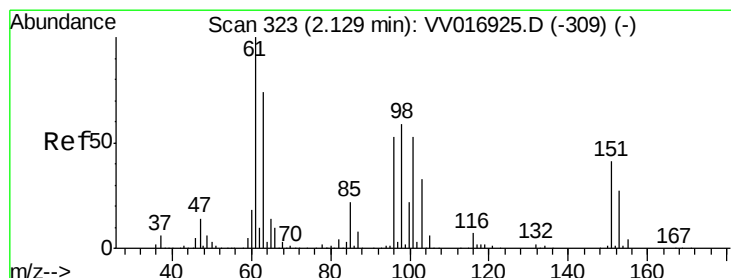
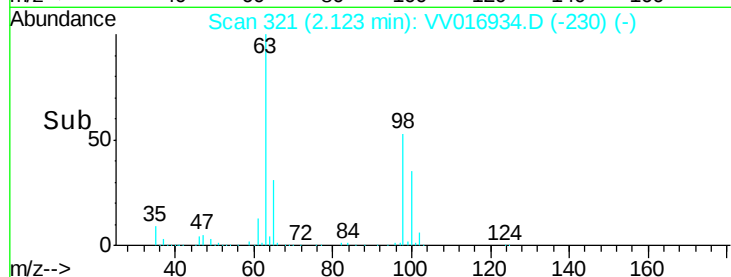
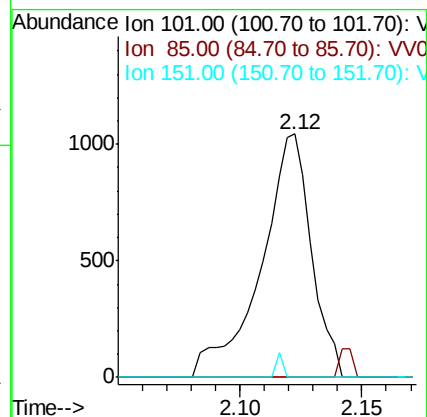
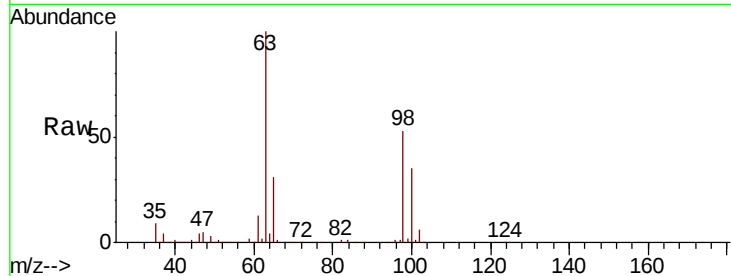
Tot Ion:101 Resp: 1492

Ion Ratio Lower Upper

101 100

85 3.2 35.5 53.3#

151 0.0 63.9 95.9#



#12

1,1-Dichloroethene

Concen: 0.725 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV016934.D

Acq: 15 Jun 2020 14:15

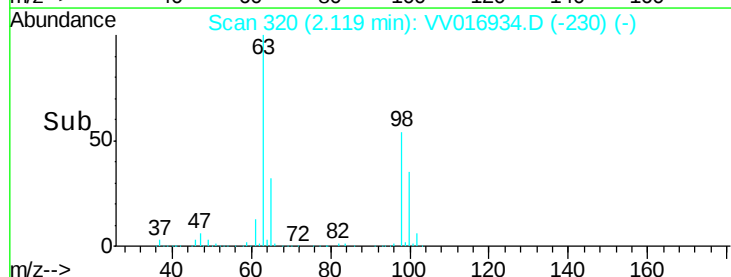
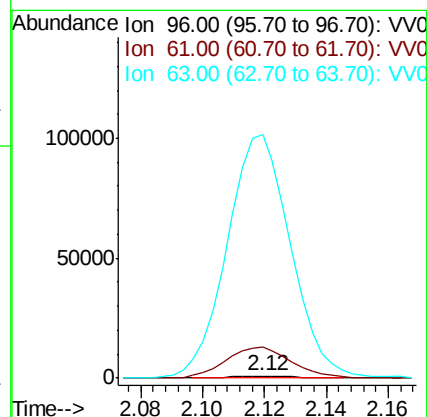
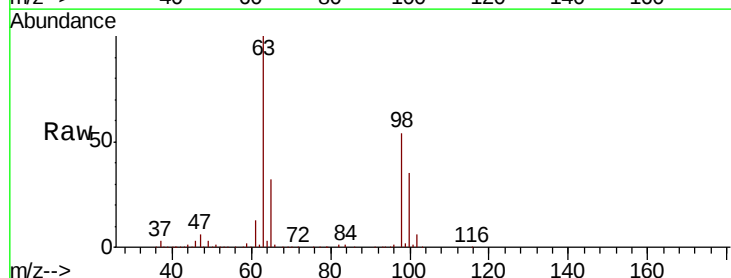
Tgt Ion: 96 Resp: 1335

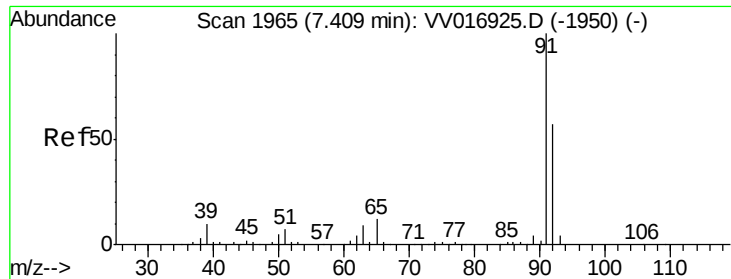
Ion Ratio Lower Upper

96 100

61 1404.2 130.4 242.2#

63 11196.5 103.3 191.9#





#42

Toluene

Concen: 283.070 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016934.D

Acq: 15 Jun 2020 14:15

Instrument :

MSVOA\_V

ClientSampleId :

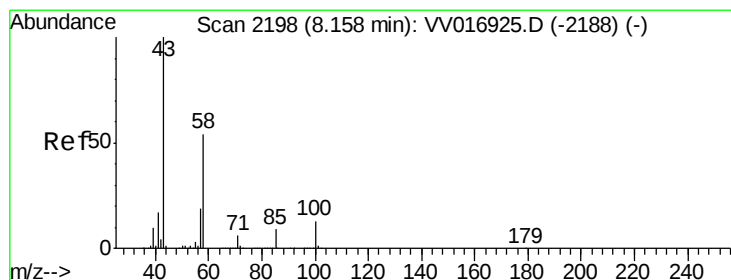
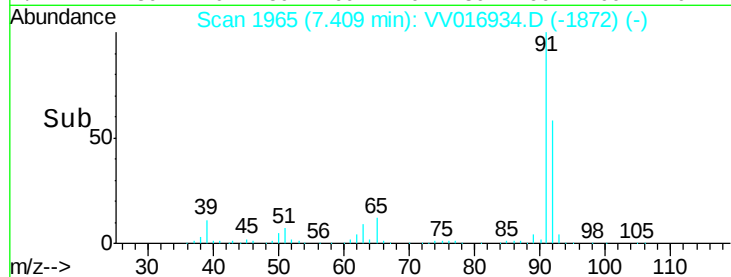
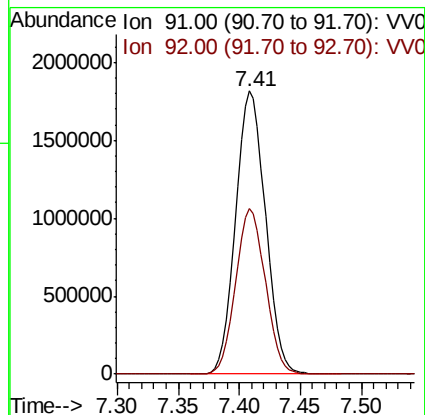
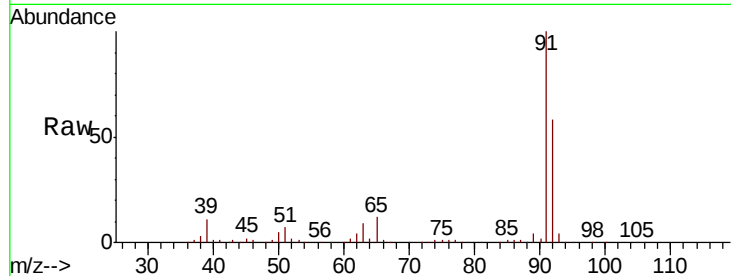
E3YG9DL

Tot Ion: 91 Resp: 3080217

Ion Ratio Lower Upper

91 100

92 58.4 40.4 75.0



#48

2-Hexanone

Concen: 3.337 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV016934.D

Acq: 15 Jun 2020 14:15

Tgt Ion: 43 Resp: 9841

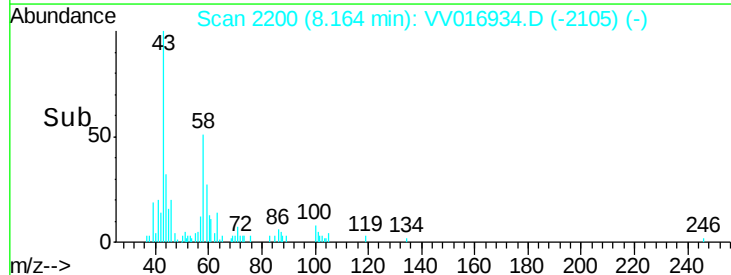
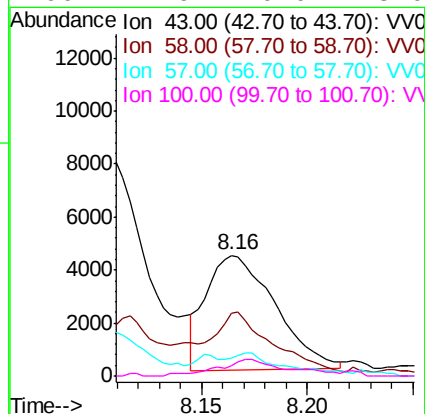
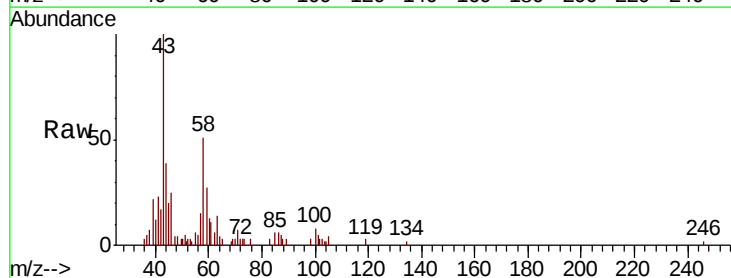
Ion Ratio Lower Upper

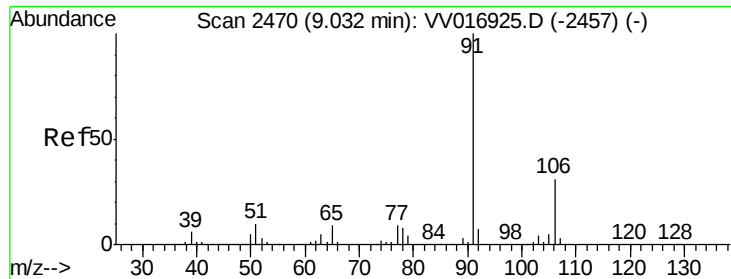
43 100

58 43.7 43.1 64.7

57 7.4 15.3 22.9#

100 4.9 10.0 15.0#





#52

Ethylbenzene

Concen: 1.655 ug/L

RT: 9.04 min Scan# 2472

Delta R.T. 0.01 min

Lab File: VV016934.D

Acq: 15 Jun 2020 14:15

Instrument :

MSVOA\_V

ClientSampleId :

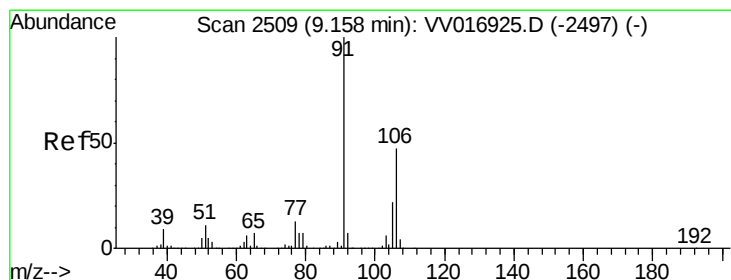
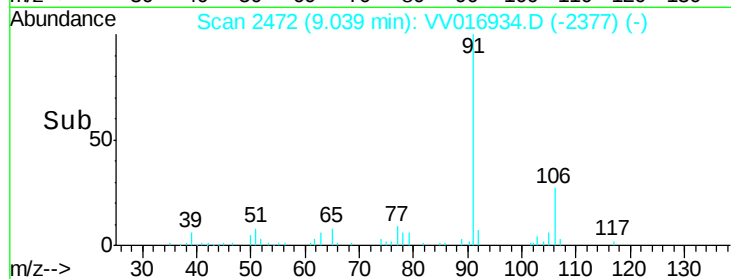
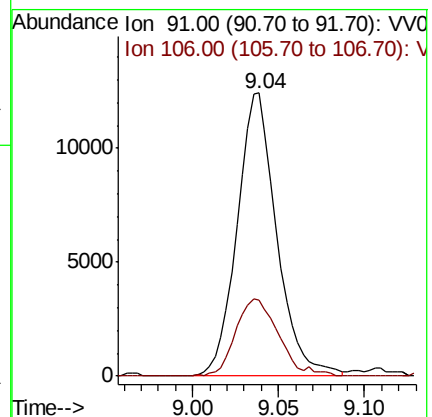
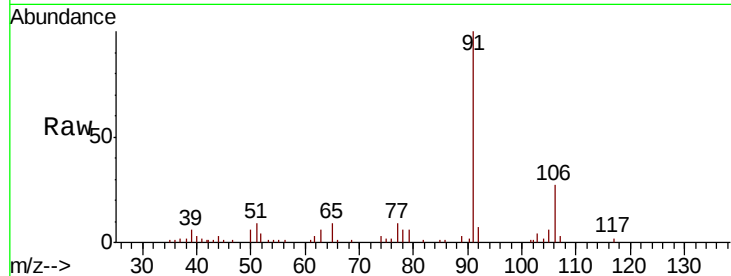
E3YG9DL

Tot Ion: 91 Resp: 19943

Ion Ratio Lower Upper

91 100

106 26.8 21.1 39.1



#53

m,p-Xylene

Concen: 2.286 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016934.D

Acq: 15 Jun 2020 14:15

Tgt Ion: 106 Resp: 10257

Ion Ratio Lower Upper

106 100

91 192.5 144.6 268.6

