

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV103019\  
 Data File : VV013438.D  
 Acq On : 30 Oct 2019 18:15  
 Operator : SY/MD  
 Sample : K5597-05DL 20X  
 Misc : 25.0ML/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAQD6DL

Quant Time: Oct 31 12:04:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR102919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Oct 31 02:41:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 363766   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 372346   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 221754   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 112292   | 3.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 64.60%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 101745   | 3.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 74.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 150492   | 2.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 53.60%# |
| 20) 2-Butanone-d5              | 3.96   | 46    | 429910   | 54.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 109.26% |
| 24) Chloroform-d               | 4.40   | 84    | 287511   | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 153754   | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.80%  |
| 32) Benzene-d6                 | 5.10   | 84    | 565885   | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 184817   | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.60%  |
| 41) Toluene-d8                 | 7.36   | 98    | 507746   | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 68078    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.60%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 289945   | 60.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 120.74% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 141580   | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 108.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 210588   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.60%  |

## Target Compounds

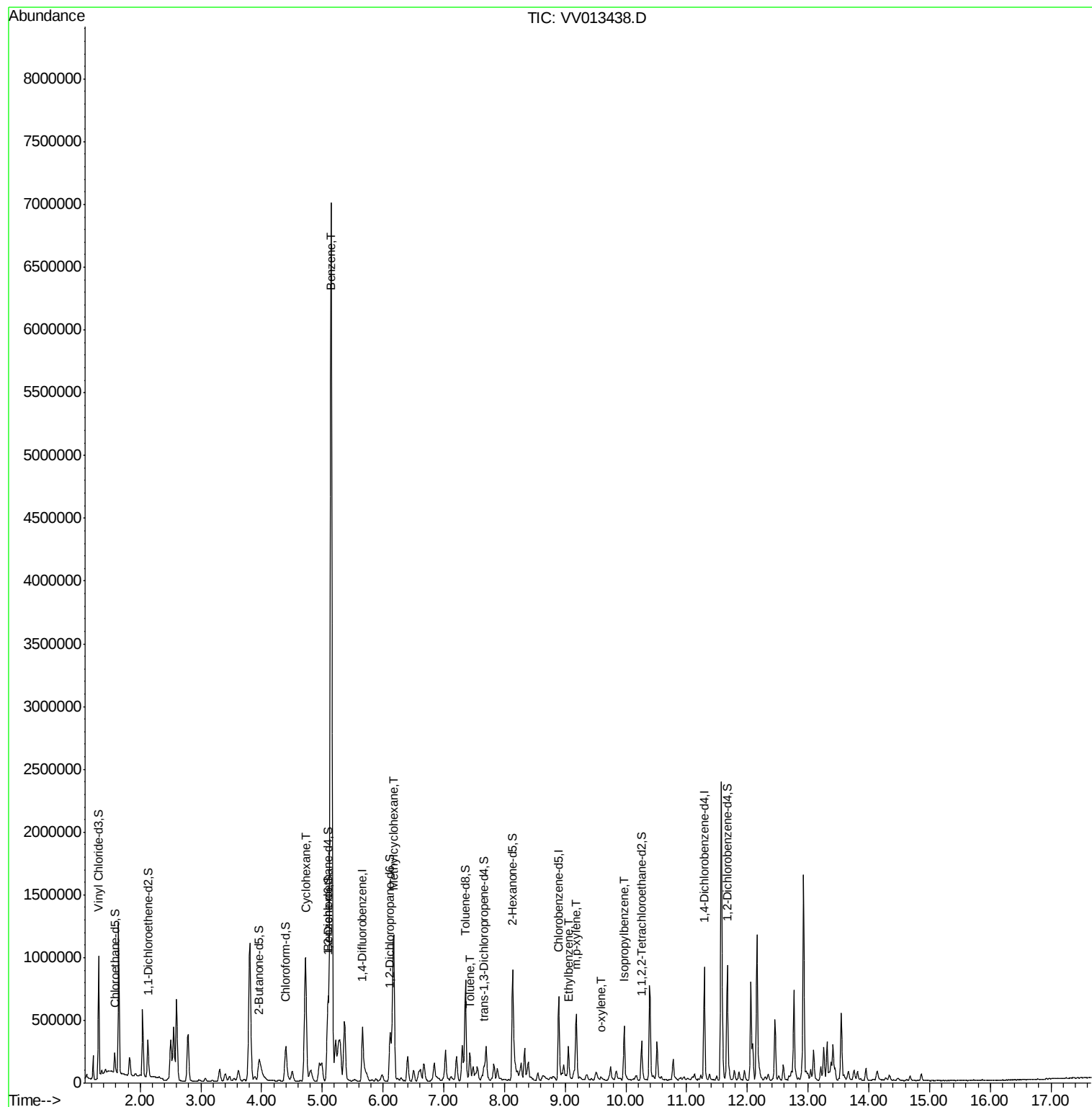
|                       |      |     |         |             | Qvalue |
|-----------------------|------|-----|---------|-------------|--------|
| 30) Cyclohexane       | 4.72 | 56  | 537099  | 9.273 ug/L  | 99     |
| 33) Benzene           | 5.14 | 78  | 6789691 | 48.798 ug/L | 100    |
| 35) Methylcyclohexane | 6.17 | 83  | 467871  | 8.212 ug/L  | 93     |
| 42) Toluene           | 7.43 | 91  | 159210  | 1.097 ug/L  | 100    |
| 52) Ethylbenzene      | 9.05 | 91  | 172341  | 1.120 ug/L  | 100    |
| 53) m,p-xylene        | 9.18 | 106 | 129389  | 2.277 ug/L  | 100    |
| 54) o-xylene          | 9.58 | 106 | 5836    | 0.106 ug/L  | 90     |
| 56) Isopropylbenzene  | 9.97 | 105 | 262025  | 1.771 ug/L  | 99     |

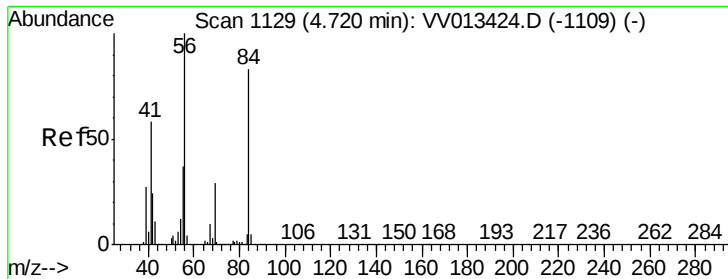
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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GAQD6DL

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 31 02:41:56 2019  
Response via : Initial Calibration

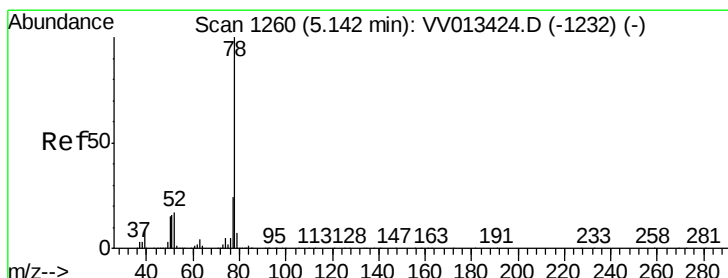
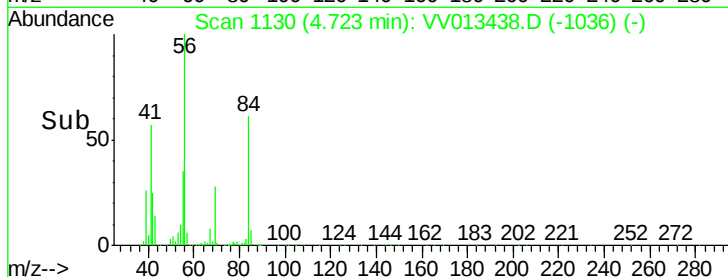
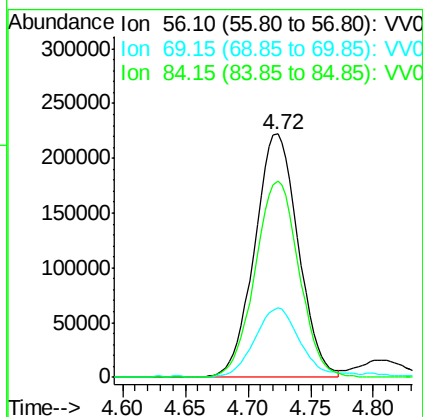
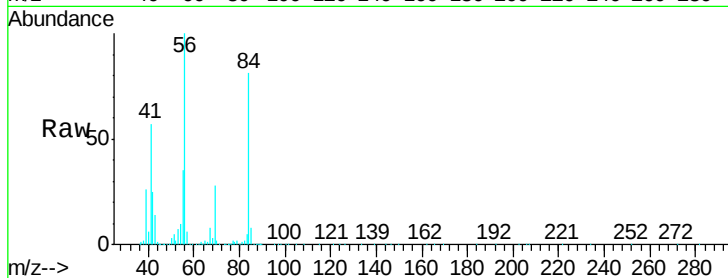




#30  
Cyclohexane  
Concen: 9.273 ug/L  
RT: 4.72 min Scan# 1130  
Delta R.T. 0.00 min  
Lab File: VV013438.D  
Acq: 30 Oct 2019 18:15

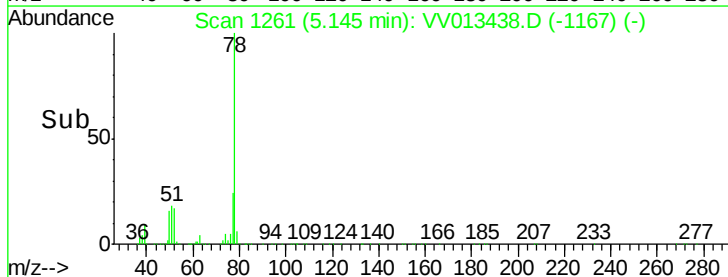
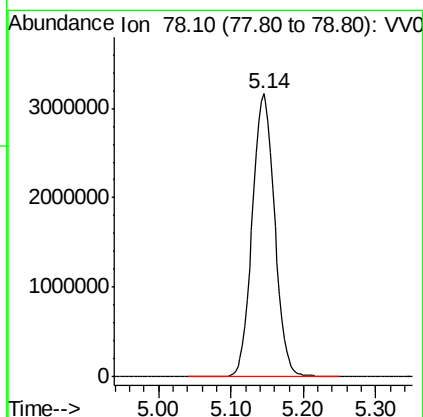
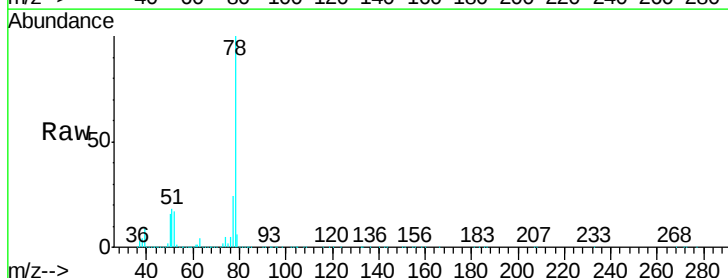
Instrument :  
MSVOA\_V  
ClientSampleId :  
GAQD6DL

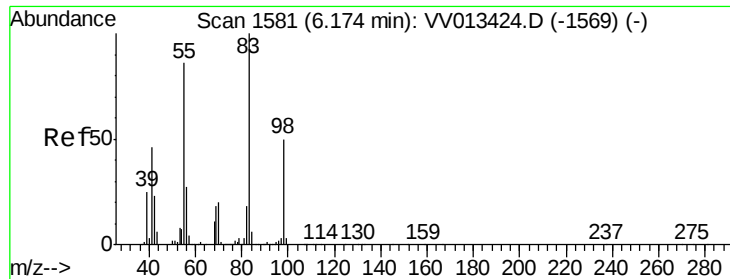
Tgt Ion: 56 Resp: 537099  
Ion Ratio Lower Upper  
56 100  
69 29.6 22.7 34.1  
84 81.5 65.5 98.3



#33  
Benzene  
Concen: 48.798 ug/L  
RT: 5.14 min Scan# 1261  
Delta R.T. 0.00 min  
Lab File: VV013438.D  
Acq: 30 Oct 2019 18:15

Tgt Ion: 78 Resp: 6789691

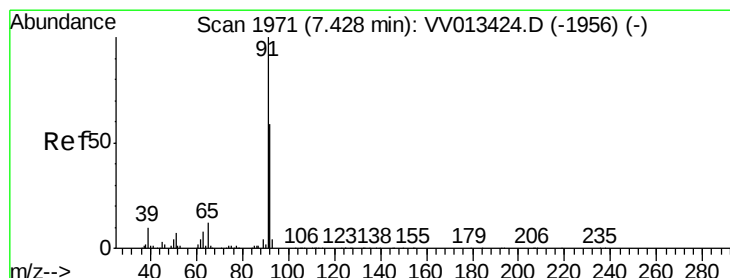
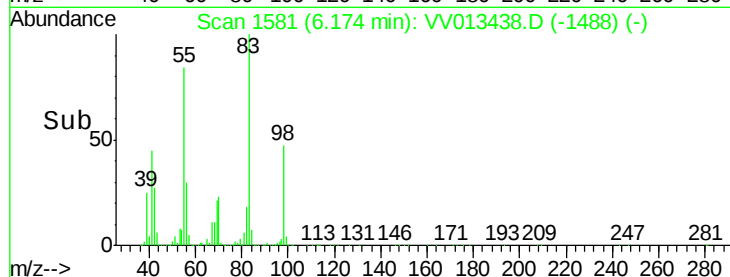
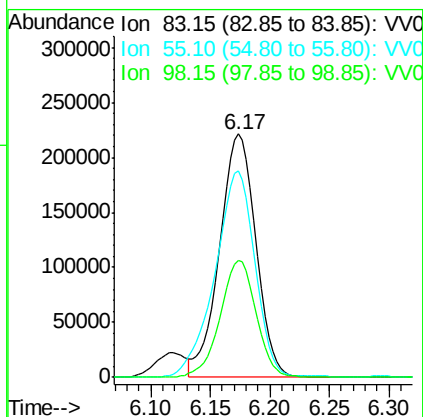
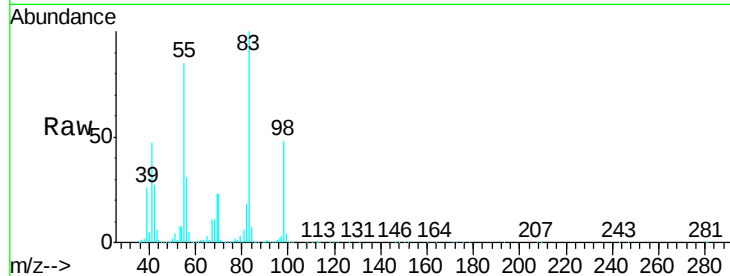




#35  
Methylcyclohexane  
Concen: 8.212 ug/L  
RT: 6.17 min Scan# 1581  
Delta R.T. -0.00 min  
Lab File: VV013438.D  
Acq: 30 Oct 2019 18:15

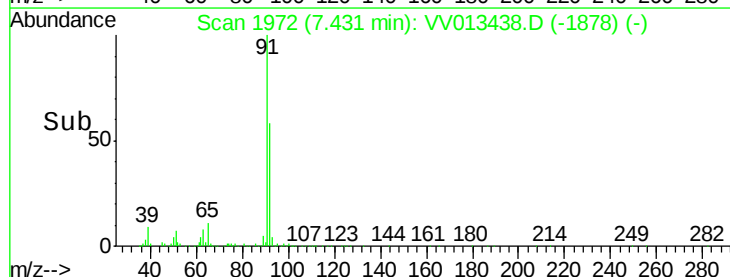
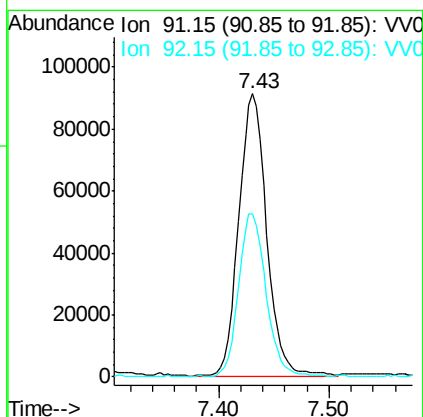
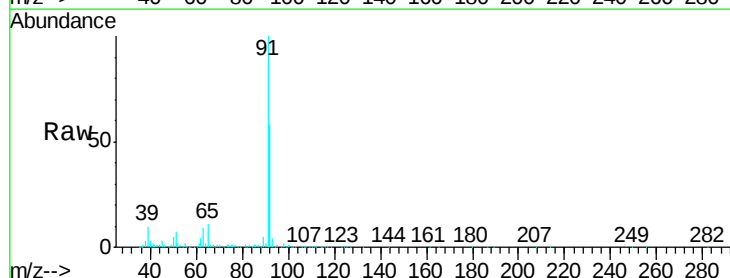
Instrument :  
MSVOA\_V  
ClientSampled :  
GAQD6DL

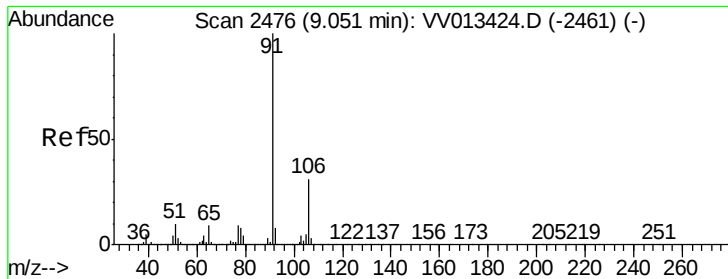
Tgt Ion: 83 Resp: 467871  
Ion Ratio Lower Upper  
83 100  
55 92.7 66.0 99.0  
98 47.4 38.2 57.4



#42  
Toluene  
Concen: 1.097 ug/L  
RT: 7.43 min Scan# 1972  
Delta R.T. 0.00 min  
Lab File: VV013438.D  
Acq: 30 Oct 2019 18:15

Tgt Ion: 91 Resp: 159210  
Ion Ratio Lower Upper  
91 100  
92 57.8 40.3 74.8





#52

Ethylbenzene

Concen: 1.120 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013438.D

Acq: 30 Oct 2019 18:15

Instrument :

MSVOA\_V

ClientSampleId :

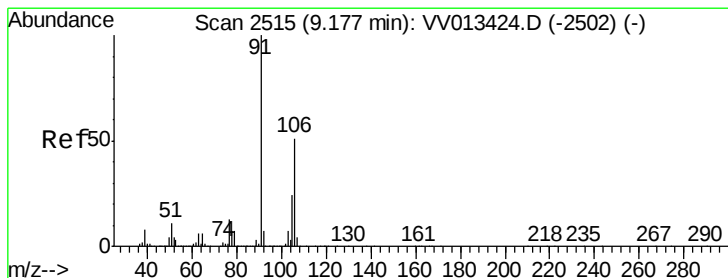
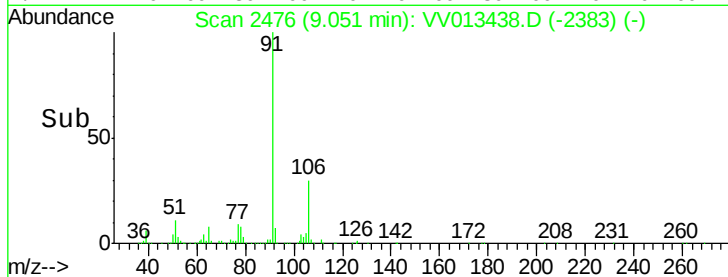
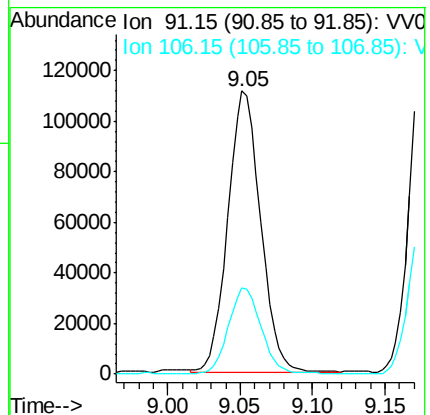
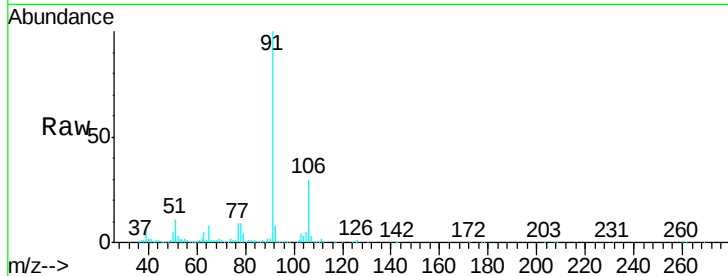
GAQD6DL

Tgt Ion: 91 Resp: 172341

Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



#53

m,p-xylene

Concen: 2.277 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013438.D

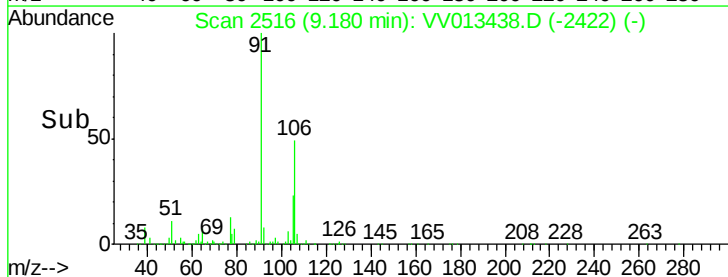
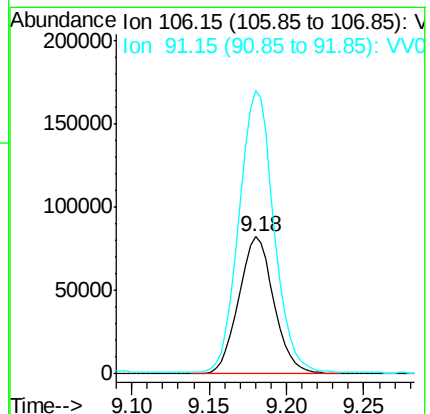
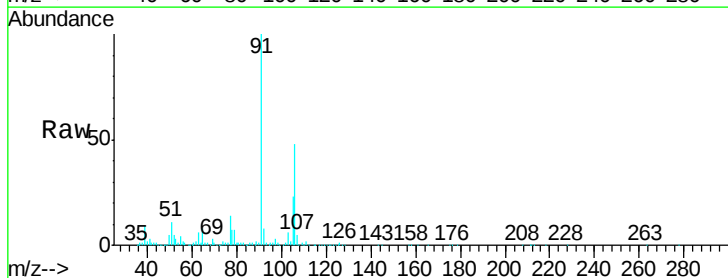
Acq: 30 Oct 2019 18:15

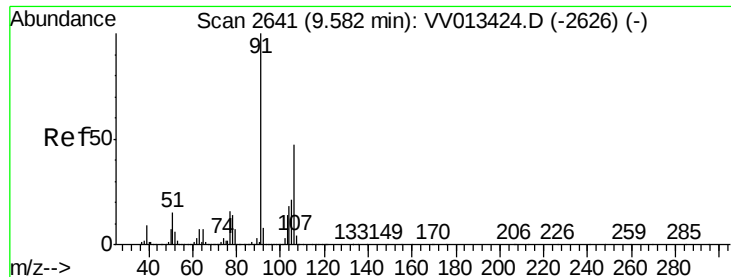
Tgt Ion: 106 Resp: 129389

Ion Ratio Lower Upper

106 100

91 206.6 144.3 267.9





#54

o-xylene

Concen: 0.106 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013438.D

Acq: 30 Oct 2019 18:15

Instrument :

MSVOA\_V

ClientSampleId :

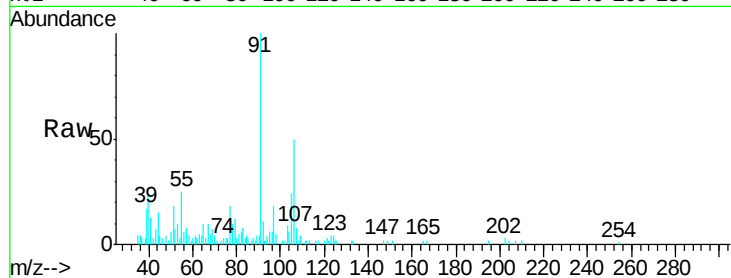
GAQD6DL

Tgt Ion:106 Resp: 5836

Ion Ratio Lower Upper

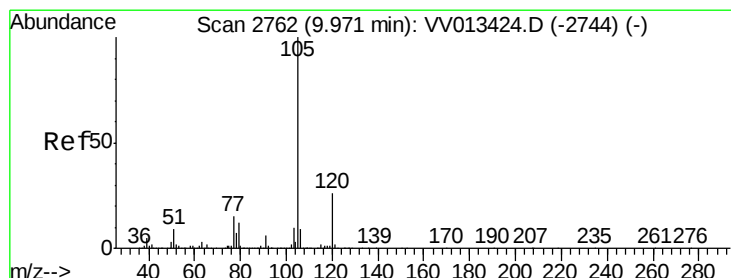
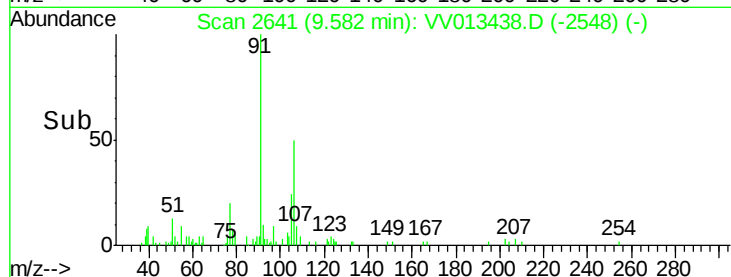
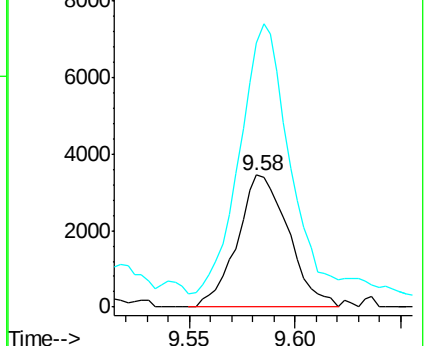
106 100

91 199.9 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 1.771 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013438.D

Acq: 30 Oct 2019 18:15

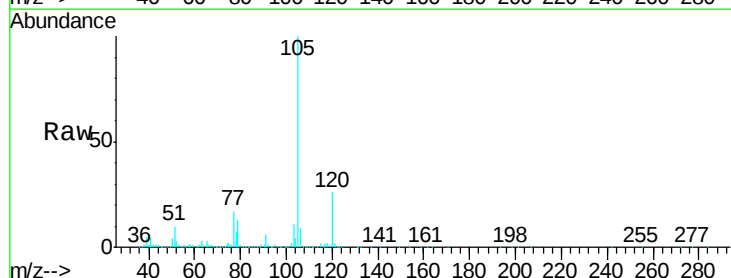
Tgt Ion:105 Resp: 262025

Ion Ratio Lower Upper

105 100

120 27.0 21.0 31.6

77 16.5 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

