

Data File : VU031692.D  
Acq On : 01 May 2019 18:12  
Operator : JC/SP  
Sample : K2603-08  
Misc : 5.03g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAJ60

Quant Time: May 02 02:28:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu May 02 02:23:23 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 1052721  | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 991384   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 454981   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 252686   | 28.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 57.36%# |
| 7) Chloroethane-d5             | 1.68    | 69    | 188595   | 27.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 55.40%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 412878   | 23.53    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 47.06%# |
| 21) 2-Butanone-d5              | 4.21    | 46    | 722228   | 90.47    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 90.47%  |
| 24) Chloroform-d               | 4.64    | 84    | 575553   | 35.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 71.34%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 403174   | 38.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 76.48%  |
| 32) Benzene-d6                 | 5.33    | 84    | 1174708  | 38.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 77.18%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 429237   | 40.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 80.16%  |
| 41) Toluene-d8                 | 7.56    | 98    | 1024996  | 38.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 77.32%# |
| 43) trans-1,3-Dichloropropene- | 7.86    | 79    | 181121   | 39.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.78%  |
| 47) 2-Hexanone-d5              | 8.35    | 63    | 502950   | 108.49   | ug/L | 0.04    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.49% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 589040   | 40.98    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.96%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 387586   | 40.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.02%  |

#### Target Compounds

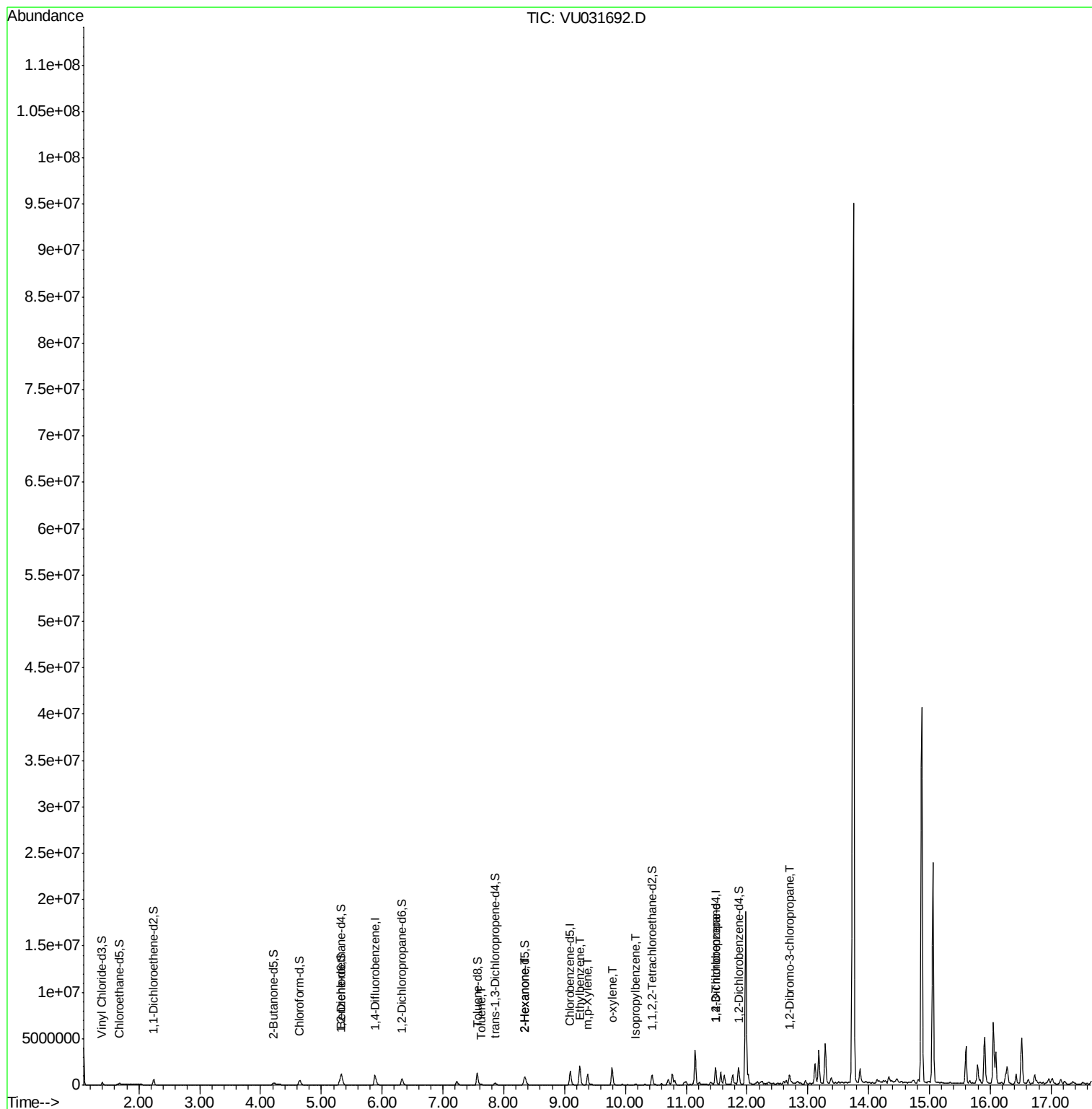
|                                |       |     |         |              | Qvalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 42) Toluene                    | 7.64  | 91  | 33654   | 0.927 ug/L   | 90     |
| 48) 2-Hexanone                 | 8.35  | 43  | 73291   | 5.692 ug/L # | 60     |
| 52) Ethylbenzene               | 9.25  | 91  | 1722860 | 45.744 ug/L  | 99     |
| 53) m,p-Xylene                 | 9.38  | 106 | 354537  | 27.018 ug/L  | 99     |
| 54) o-xylene                   | 9.78  | 106 | 530875  | 40.807 ug/L  | 97     |
| 56) Isopropylbenzene           | 10.17 | 105 | 83363   | 2.437 ug/L   | 98     |
| 59) 1,2,3-Trichloropropane     | 11.49 | 75  | 60126   | 4.901 ug/L   | 89     |
| 66) 1,2-Dibromo-3-chloropropan | 12.70 | 75  | 8169    | 2.199 ug/L # | 21     |

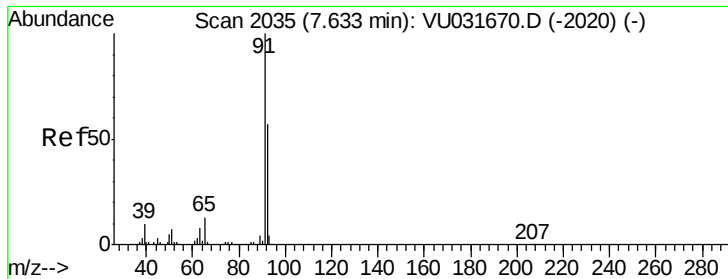
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu May 02 02:23:23 2019  
Response via : Initial Calibration





#42

Toluene

Concen: 0.927 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031692.D

Acq: 01 May 2019 18:12

Instrument :

MSVOA\_U

ClientSampleId :

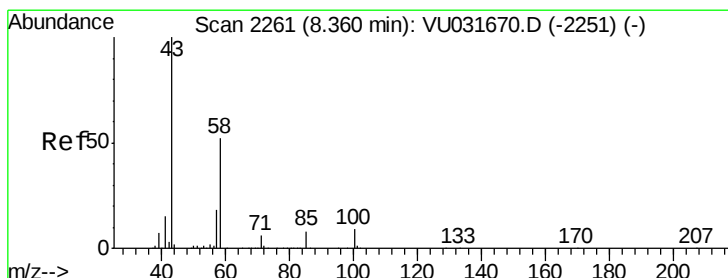
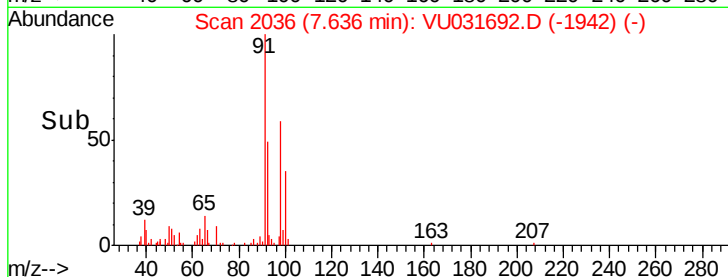
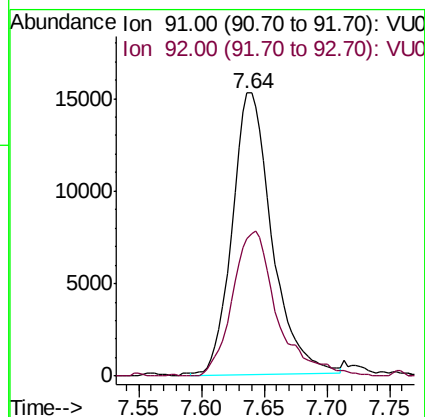
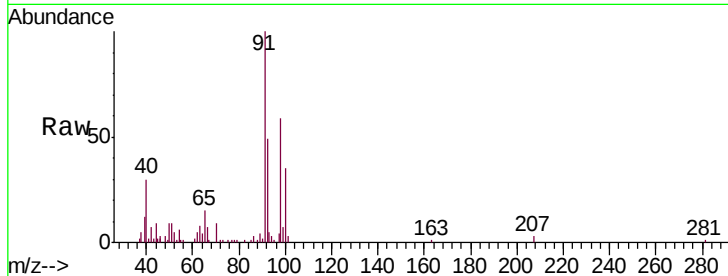
GAJ60

Tgt Ion: 91 Resp: 33654

Ion Ratio Lower Upper

91 100

92 48.5 39.0 72.4



#48

2-Hexanone

Concen: 5.692 ug/L

RT: 8.35 min Scan# 2257

Delta R.T. -0.01 min

Lab File: VU031692.D

Acq: 01 May 2019 18:12

Tgt Ion: 43 Resp: 73291

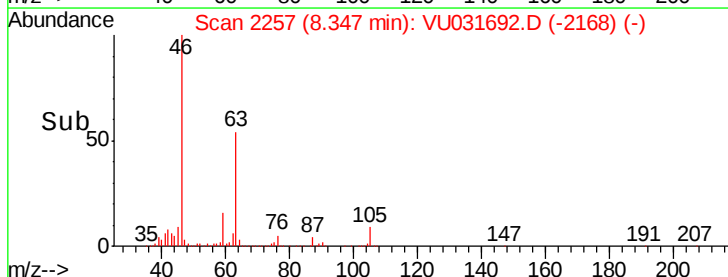
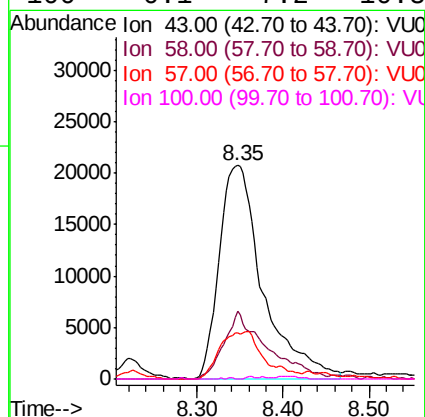
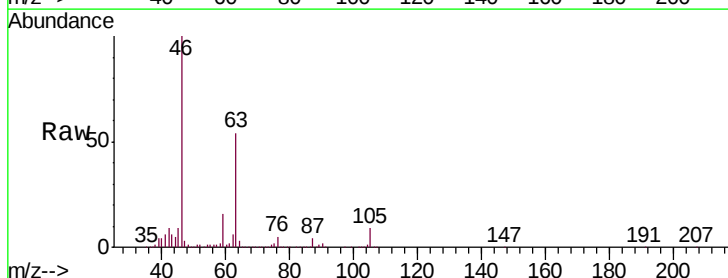
Ion Ratio Lower Upper

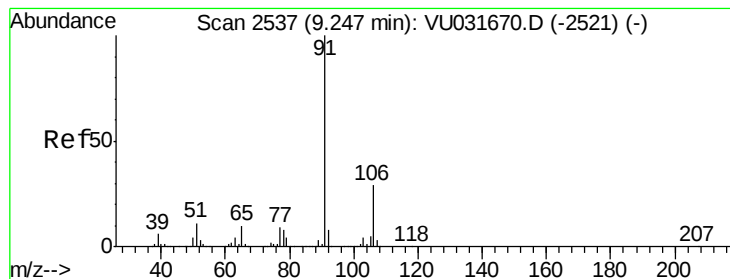
43 100

58 16.2 42.1 63.1#

57 11.0 14.6 22.0#

100 0.1 7.2 10.8#





#52

Ethylbenzene

Concen: 45.744 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031692.D

Acq: 01 May 2019 18:12

Instrument :

MSVOA\_U

ClientSampleId :

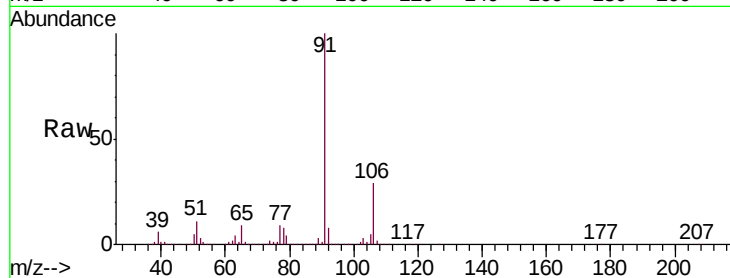
GAJ60

Tgt Ion: 91 Resp: 1722860

Ion Ratio Lower Upper

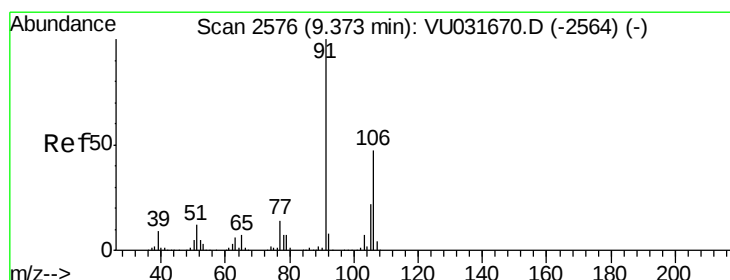
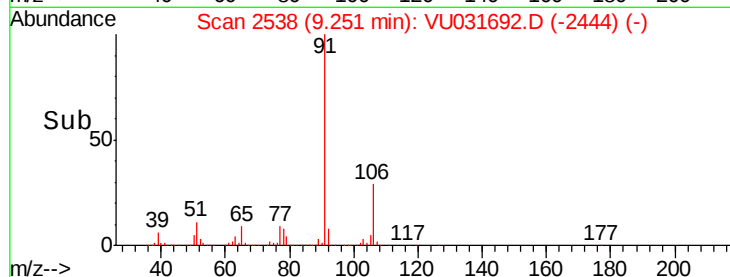
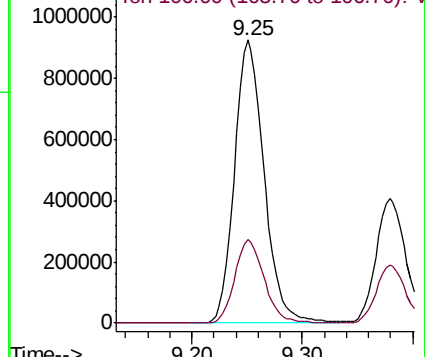
91 100

106 29.4 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 27.018 ug/L

RT: 9.38 min Scan# 2578

Delta R.T. 0.01 min

Lab File: VU031692.D

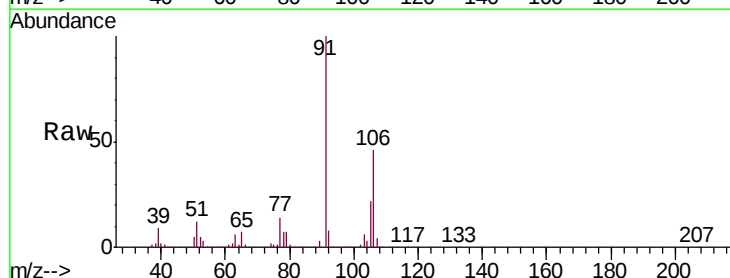
Acq: 01 May 2019 18:12

Tgt Ion: 106 Resp: 354537

Ion Ratio Lower Upper

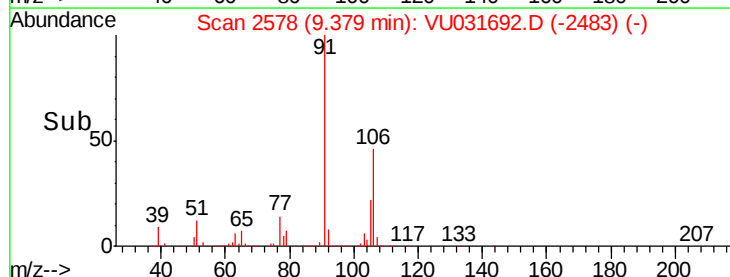
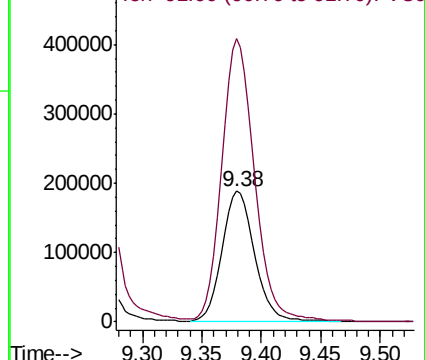
106 100

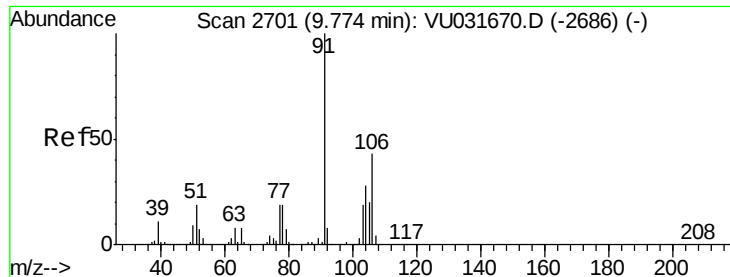
91 216.0 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#54

o-xylene

Concen: 40.807 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU031692.D

Acq: 01 May 2019 18:12

Instrument :

MSVOA\_U

ClientSampleId :

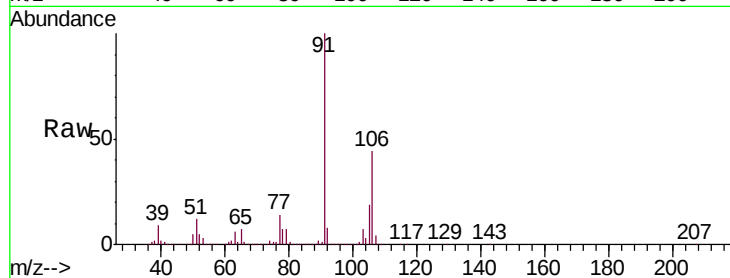
GAJ60

Tgt Ion:106 Resp: 530875

Ion Ratio Lower Upper

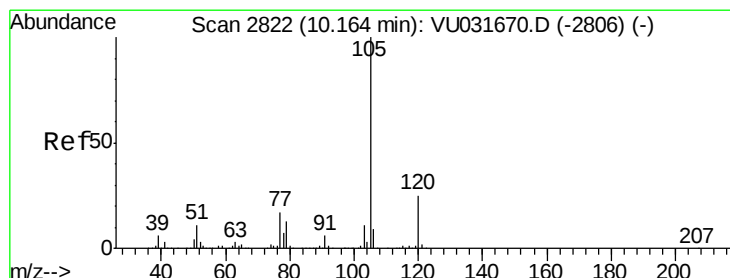
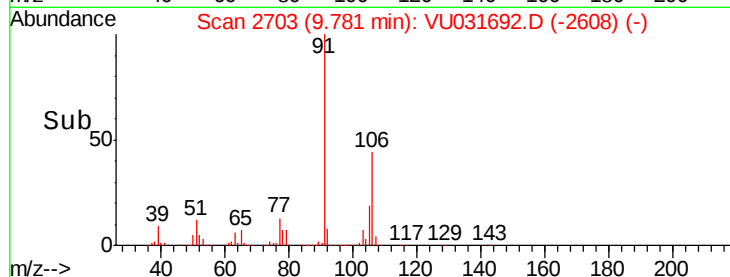
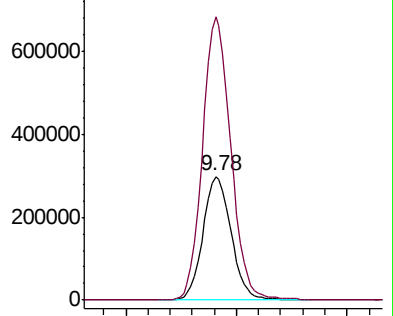
106 100

91 228.9 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 2.437 ug/L

RT: 10.17 min Scan# 2824

Delta R.T. 0.01 min

Lab File: VU031692.D

Acq: 01 May 2019 18:12

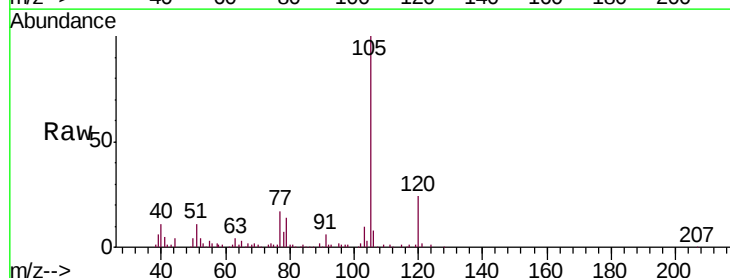
Tgt Ion:105 Resp: 83363

Ion Ratio Lower Upper

105 100

120 24.2 20.1 30.1

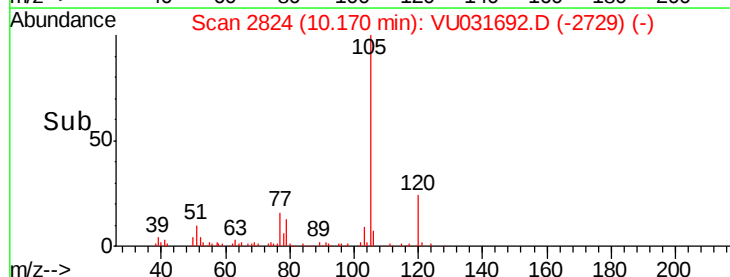
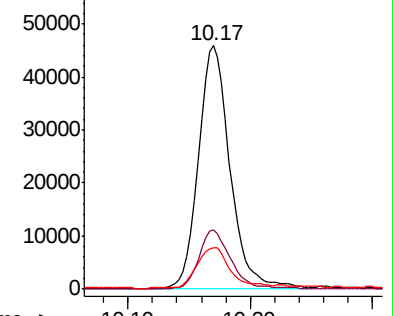
77 16.3 13.8 20.6

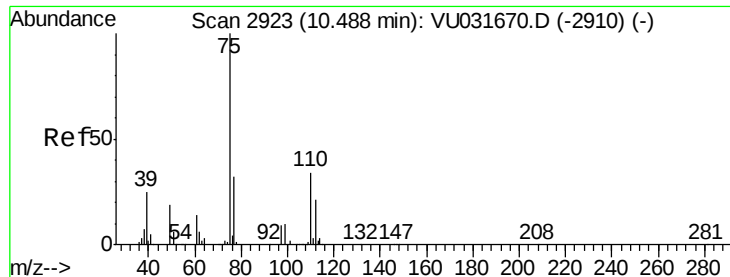


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 4.901 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 1.00 min

Lab File: VU031692.D

Acq: 01 May 2019 18:12

Instrument :

MSVOA\_U

ClientSampleId :

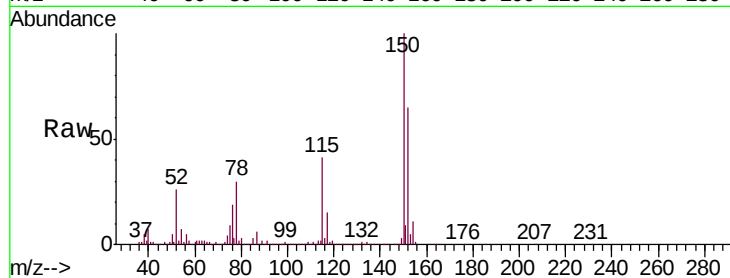
GAJ60

Tgt Ion: 75 Resp: 60126

Ion Ratio Lower Upper

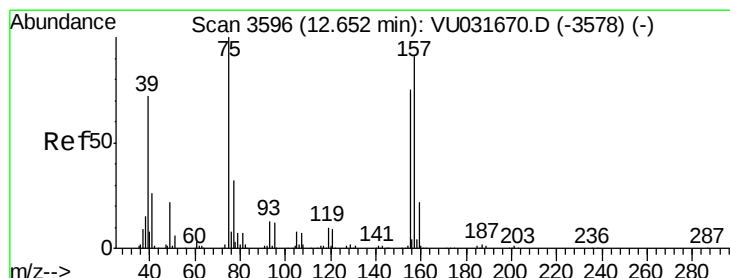
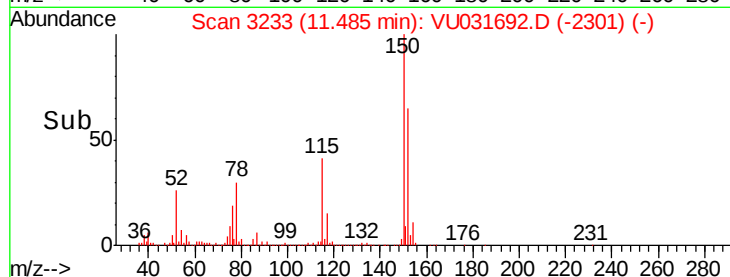
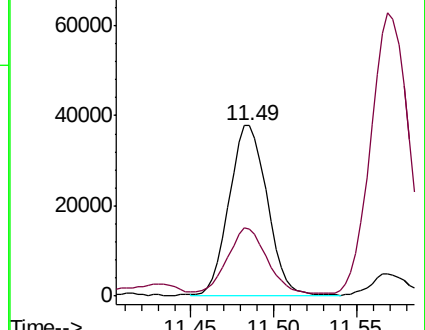
75 100

77 38.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU031692.D (-3233) (-)

Ion 77.00 (76.70 to 77.70): VU031692.D (-3233) (-)



#66

1,2-Dibromo-3-chloropropane

Concen: 2.199 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.05 min

Lab File: VU031692.D

Acq: 01 May 2019 18:12

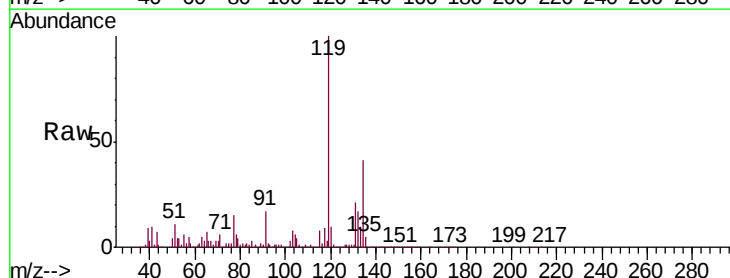
Tgt Ion: 75 Resp: 8169

Ion Ratio Lower Upper

75 100

155 6.9 54.0 81.0#

157 10.6 69.1 103.7#



Abundance Ion 75.00 (74.70 to 75.70): VU031692.D (-3610) (-)

Ion 155.00 (154.70 to 155.70): VU031692.D (-3610) (-)

Ion 157.00 (156.70 to 157.70): VU031692.D (-3610) (-)

