

Data File : VU031676.D  
Acq On : 01 May 2019 12:00  
Operator : JC/SP  
Sample : K2604-06DL 25X  
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAJ80DL

Quant Time: May 02 02:26:46 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  | 979839   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 935560   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 451077   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 314859   | 38.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.78%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 263628   | 41.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 83.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 474816   | 29.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.14%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 749466   | 100.87   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.87% |
| 24) Chloroform-d               | 4.64    | 84    | 582758   | 38.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 77.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 394027   | 40.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.32%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1203493  | 41.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.78%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 429218   | 42.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 84.94%  |
| 41) Toluene-d8                 | 7.56    | 98    | 1047802  | 41.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.74%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 187272   | 43.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.32%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 490088   | 112.03   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 112.03% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 580629   | 42.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 403959   | 42.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.16%  |

#### Target Compounds

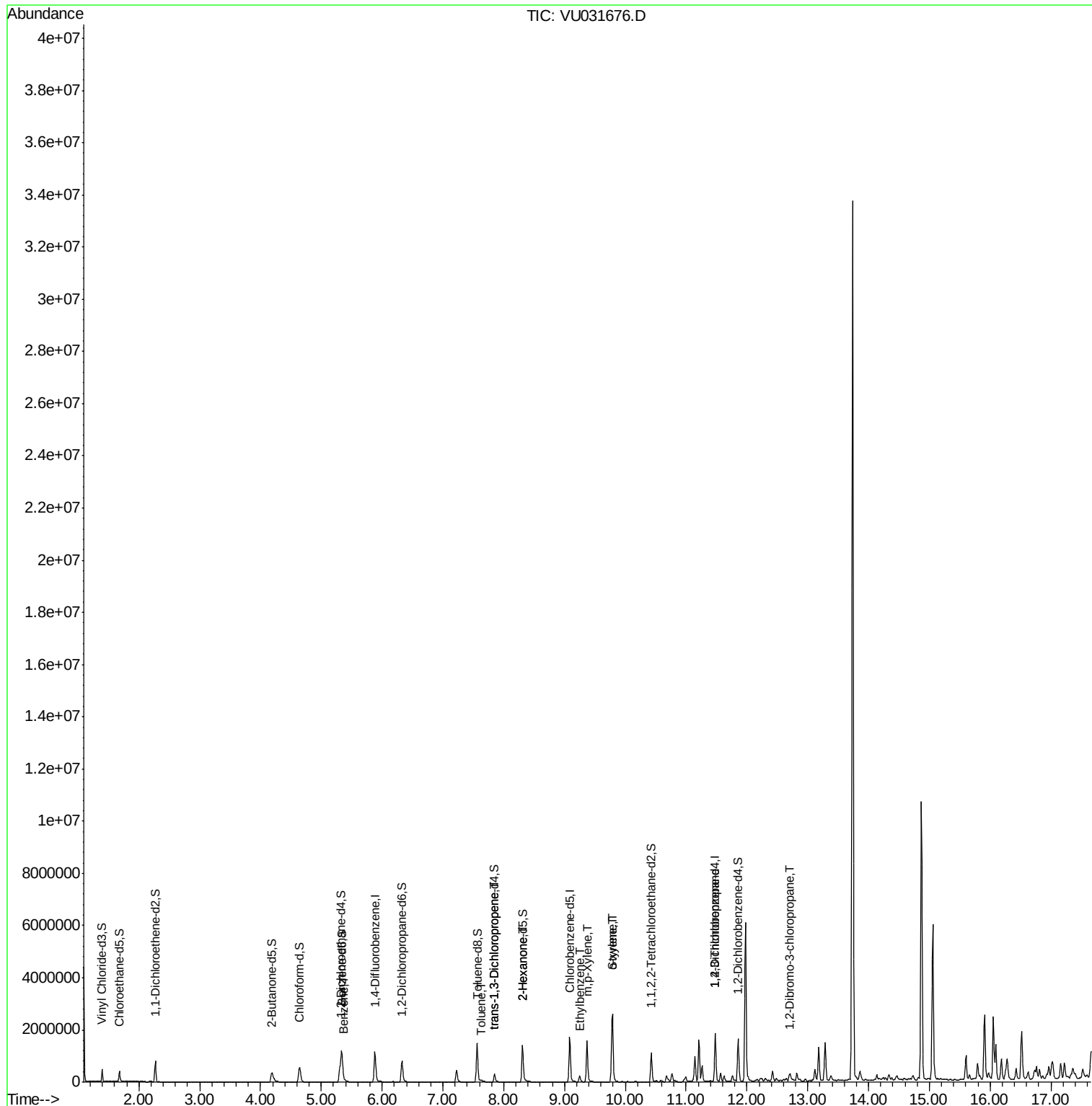
|                                |       |     |         |              | Qvalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 33) Benzene                    | 5.38  | 78  | 52749   | 1.534 ug/L   | 100    |
| 42) Toluene                    | 7.64  | 91  | 40616   | 1.185 ug/L   | 99     |
| 44) trans-1,3-Dichloropropene  | 7.85  | 75  | 6543    | 0.559 ug/L   | 87     |
| 48) 2-Hexanone                 | 8.31  | 43  | 58937   | 4.850 ug/L # | 70     |
| 52) Ethylbenzene               | 9.25  | 91  | 162670  | 4.577 ug/L   | 100    |
| 53) m,p-Xylene                 | 9.37  | 106 | 435456  | 35.165 ug/L  | 99     |
| 54) o-xylene                   | 9.77  | 106 | 185927  | 15.145 ug/L  | 93     |
| 55) Styrene                    | 9.79  | 104 | 1096317 | 52.269 ug/L  | 96     |
| 59) 1,2,3-Trichloropropane     | 11.48 | 75  | 61056   | 5.274 ug/L   | 98     |
| 66) 1,2-Dibromo-3-chloropropan | 12.71 | 75  | 4161    | 1.130 ug/L # | 14     |

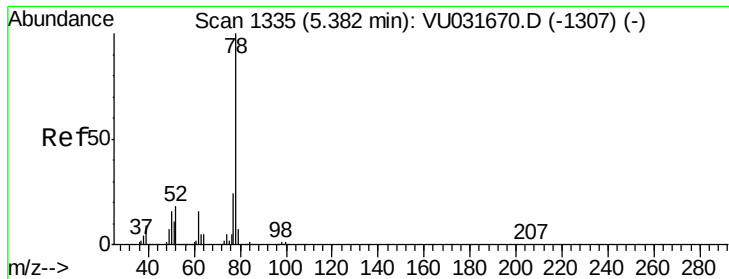
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU031676.D  
Acq On : 01 May 2019 12:00  
Operator : JC/SP  
Sample : K2604-06DL 25X  
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAJ80DL

Quant Time: May 02 02:26:46 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





#33

Benzene

Concen: 1.534 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU031676.D

Acq: 01 May 2019 12:00

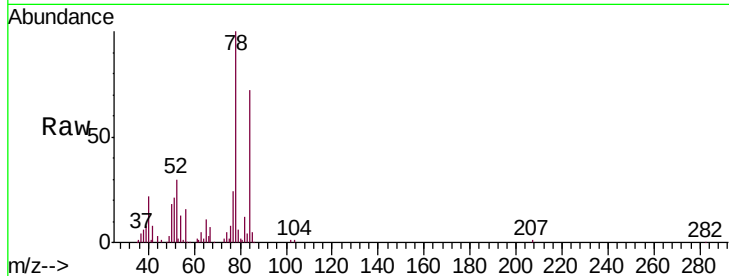
Instrument :

MSVOA\_U

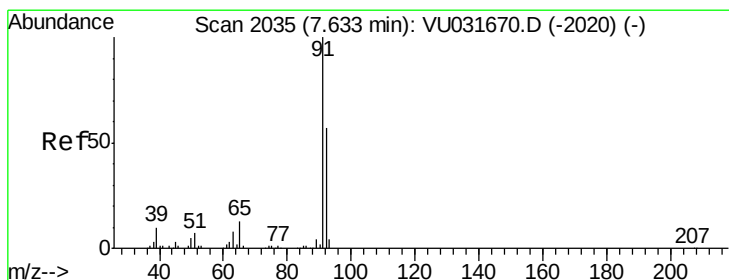
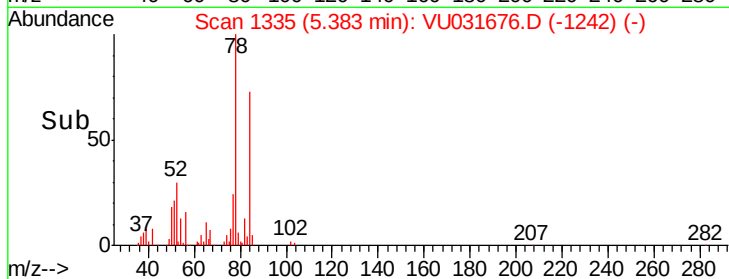
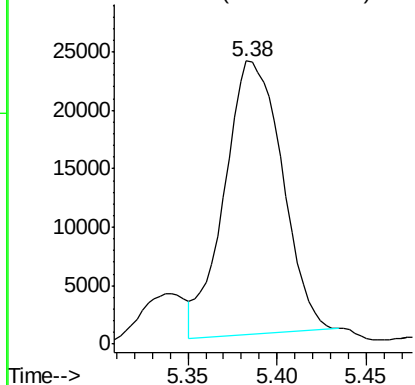
ClientSampleId :

GAJ80DL

Tgt Ion: 78 Resp: 52749



Abundance Ion 78.00 (77.70 to 78.70): VU0



#42

Toluene

Concen: 1.185 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031676.D

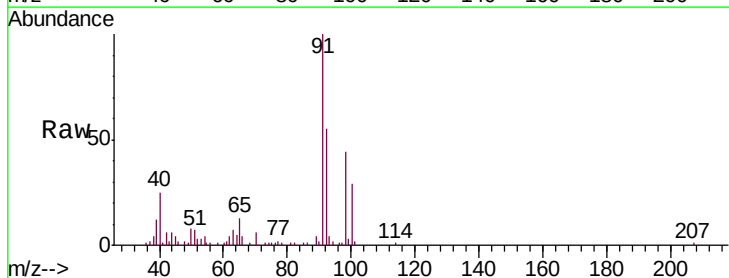
Acq: 01 May 2019 12:00

Tgt Ion: 91 Resp: 40616

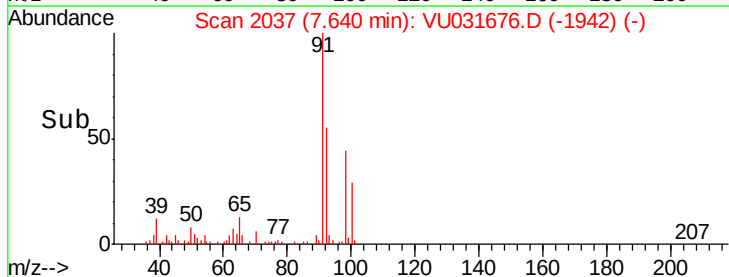
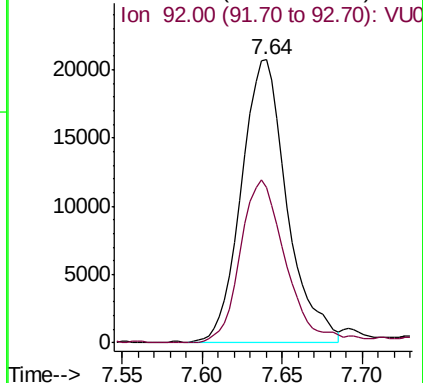
Ion Ratio Lower Upper

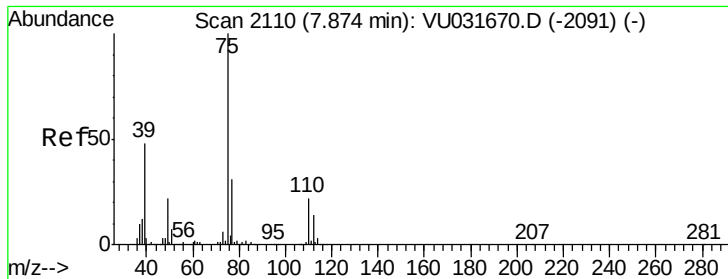
91 100

92 55.1 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.559 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU031676.D

Acq: 01 May 2019 12:00

Instrument :

MSVOA\_U

ClientSampleId :

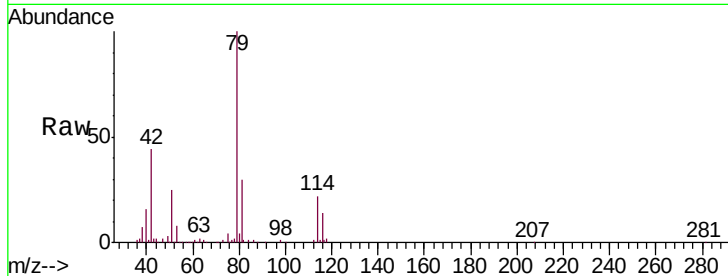
GAJ80DL

Tgt Ion: 75 Resp: 6543

Ion Ratio Lower Upper

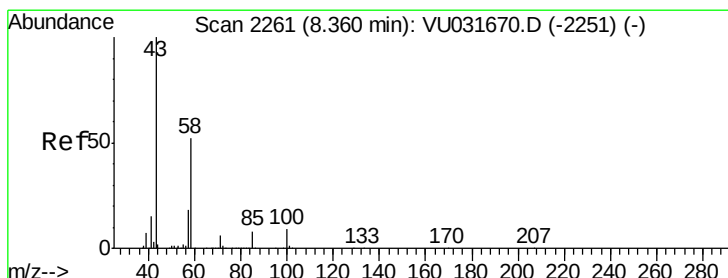
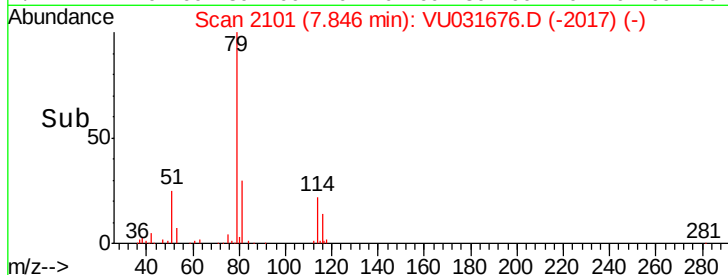
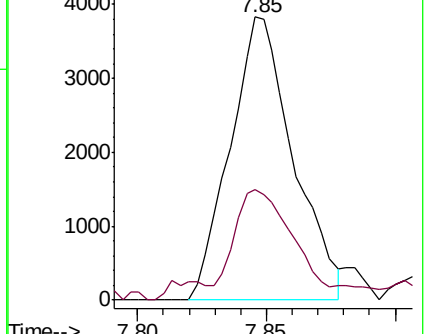
75 100

77 38.9 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031676.D (-2101) (-)

Ion 77.00 (76.70 to 77.70): VU031676.D (-2101) (-)



#48

2-Hexanone

Concen: 4.850 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU031676.D

Acq: 01 May 2019 12:00

Tgt Ion: 43 Resp: 58937

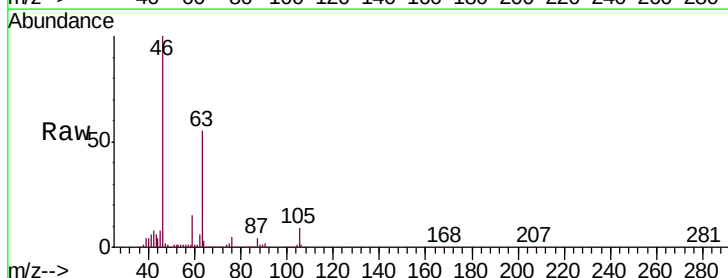
Ion Ratio Lower Upper

43 100

58 26.1 42.1 63.1#

57 22.6 14.6 22.0#

100 0.5 7.2 10.8#

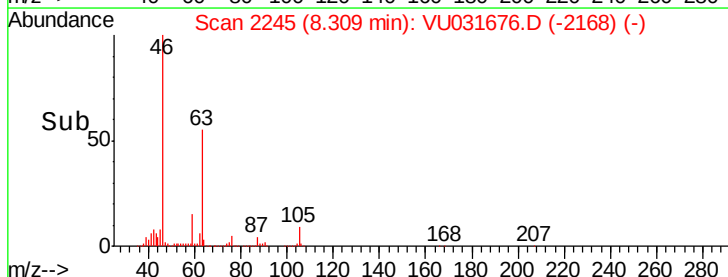
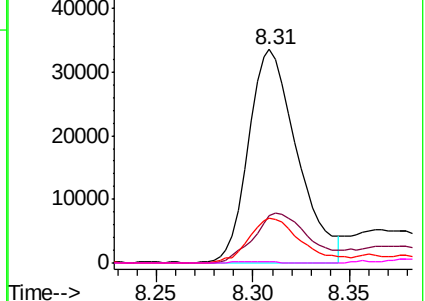


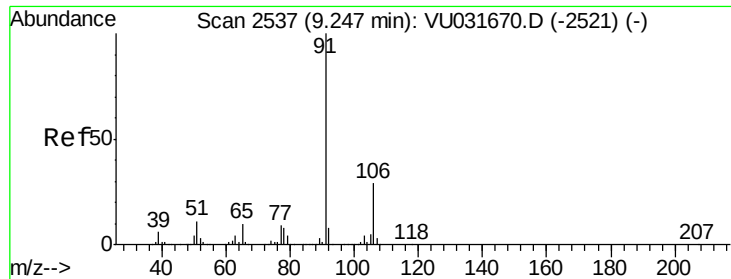
Abundance Ion 43.00 (42.70 to 43.70): VU031676.D (-2245) (-)

Ion 58.00 (57.70 to 58.70): VU031676.D (-2245) (-)

Ion 57.00 (56.70 to 57.70): VU031676.D (-2245) (-)

Ion 100.00 (99.70 to 100.70): VU031676.D (-2245) (-)





#52

Ethylbenzene

Concen: 4.577 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031676.D

Acq: 01 May 2019 12:00

Instrument :

MSVOA\_U

ClientSampleId :

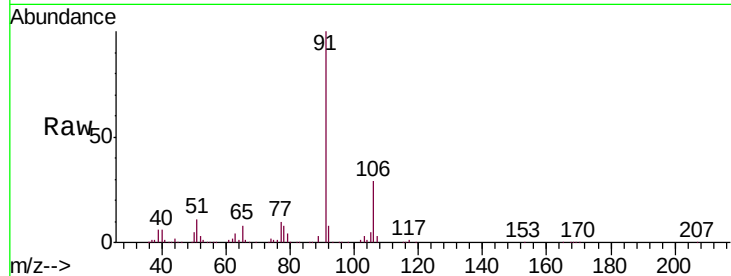
GAJ80DL

Tgt Ion: 91 Resp: 162670

Ion Ratio Lower Upper

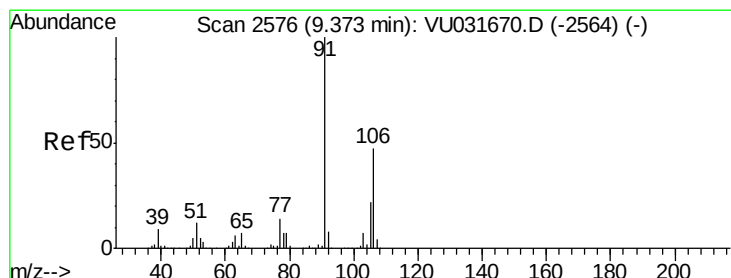
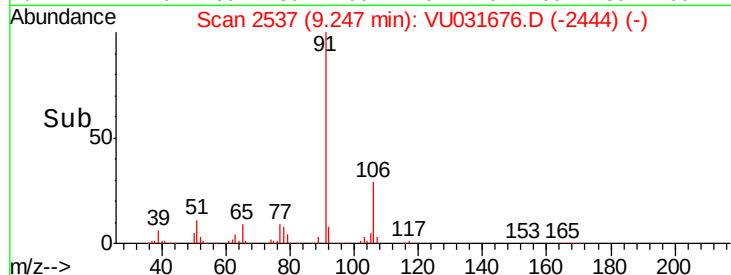
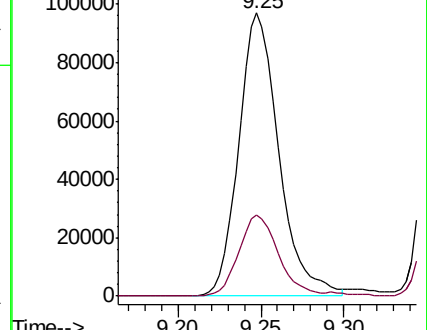
91 100

106 28.8 20.4 37.8



Abundance Ion 91.00 (90.70 to 91.70): VU031676.D (-2521) (-)

Ion 106.00 (105.70 to 106.70): VU031676.D (-2521) (-)



#53

m,p-Xylene

Concen: 35.165 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031676.D

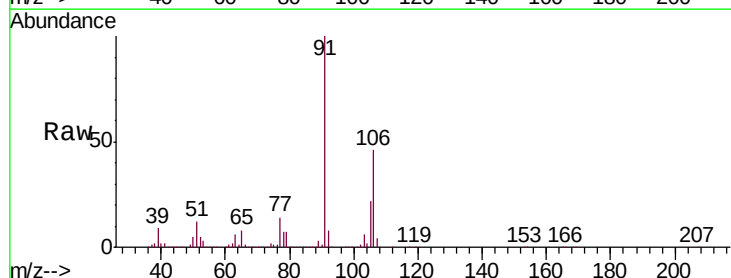
Acq: 01 May 2019 12:00

Tgt Ion: 106 Resp: 435456

Ion Ratio Lower Upper

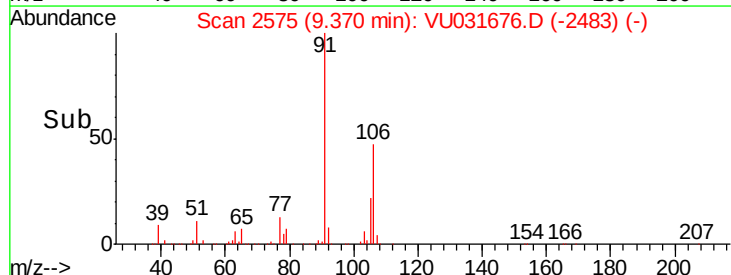
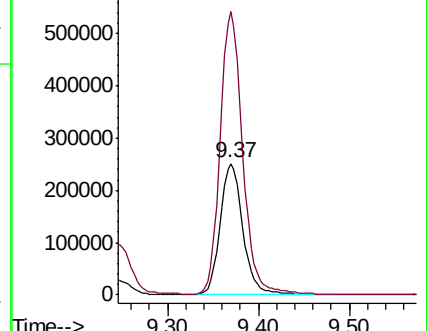
106 100

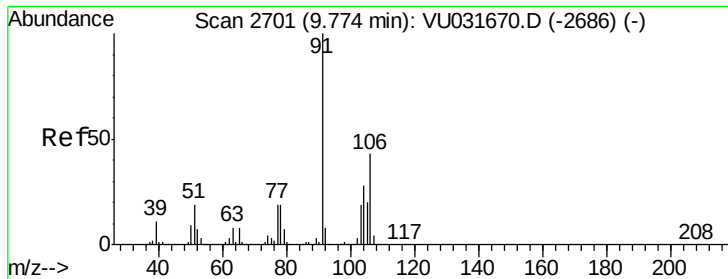
91 215.1 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): VU031676.D (-2564) (-)

Ion 91.00 (90.70 to 91.70): VU031676.D (-2564) (-)





#54

o-xylene

Concen: 15.145 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031676.D

Acq: 01 May 2019 12:00

Instrument :

MSVOA\_U

ClientSampleId :

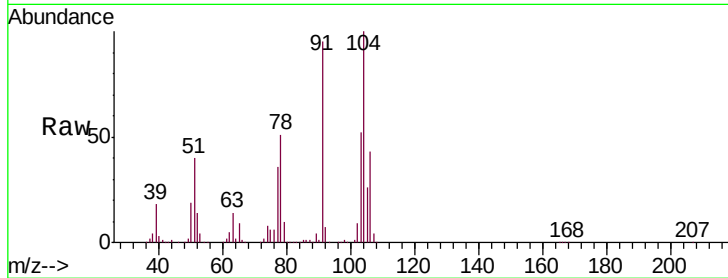
GAJ80DL

Tgt Ion:106 Resp: 185927

Ion Ratio Lower Upper

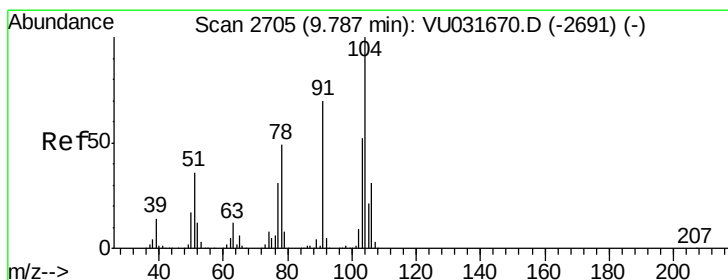
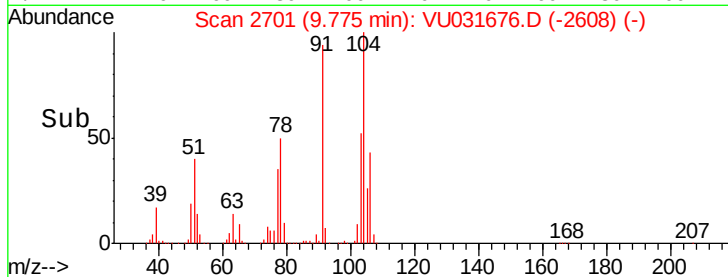
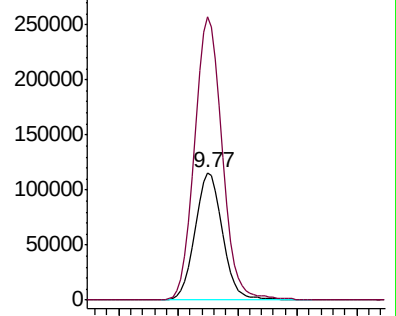
106 100

91 222.1 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.269 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031676.D

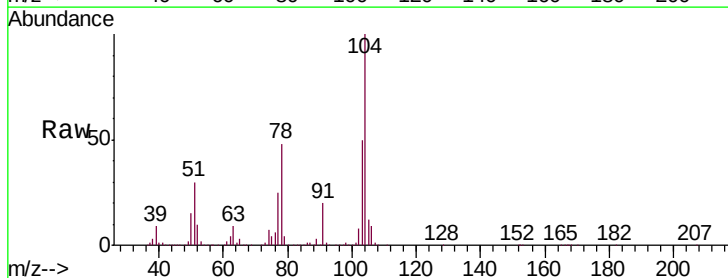
Acq: 01 May 2019 12:00

Tgt Ion:104 Resp: 1096317

Ion Ratio Lower Upper

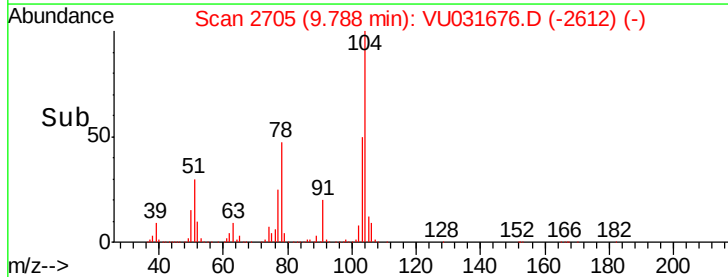
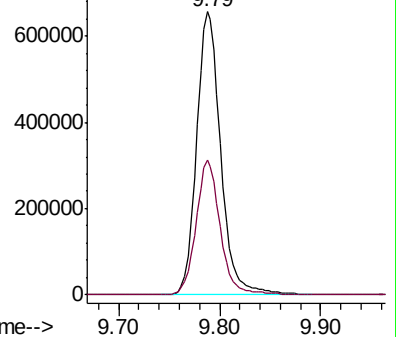
104 100

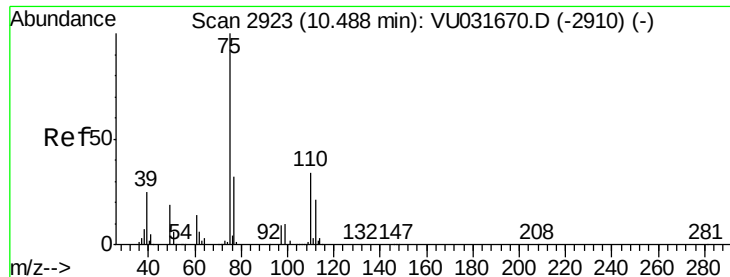
78 47.5 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.274 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031676.D

Acq: 01 May 2019 12:00

Instrument :

MSVOA\_U

ClientSampleId :

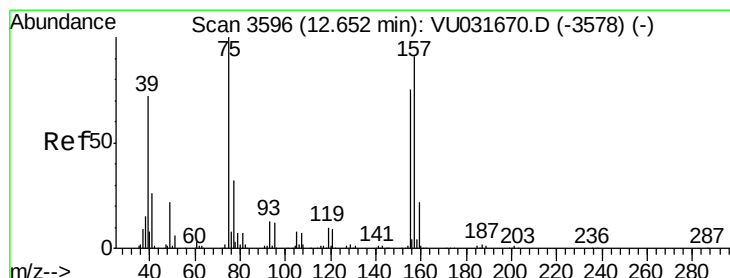
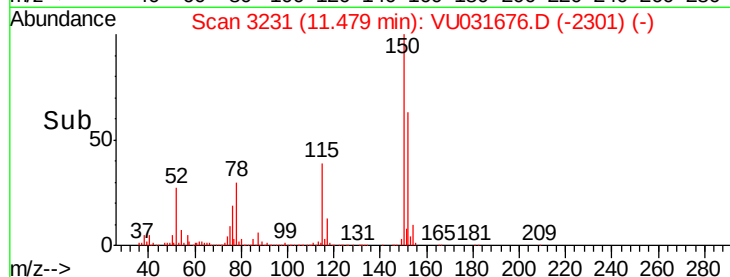
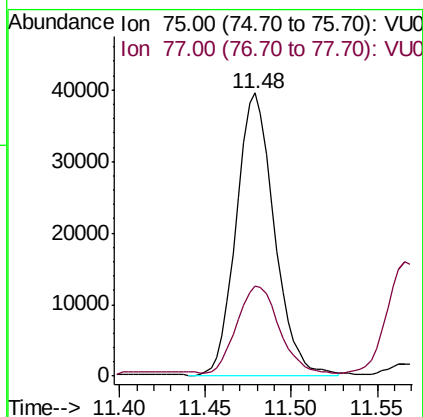
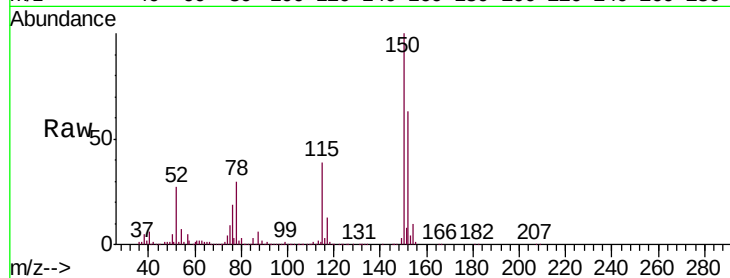
GAJ80DL

Tgt Ion: 75 Resp: 61056

Ion Ratio Lower Upper

75 100

77 33.8 25.9 38.9



#66

1,2-Dibromo-3-chloropropane

Concen: 1.130 ug/L

RT: 12.71 min Scan# 3614

Delta R.T. 0.06 min

Lab File: VU031676.D

Acq: 01 May 2019 12:00

Tgt Ion: 75 Resp: 4161

Ion Ratio Lower Upper

75 100

155 6.4 54.0 81.0#

157 0.0 69.1 103.7#

