

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081718\  
 Data File : VV007047.D  
 Acq On : 17 Aug 2018 11:56  
 Operator : SY/MD  
 Sample : J4487-14  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 18 03:37:42 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Aug 18 03:36:46 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 227303   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 223856   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 89874    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 66339    | 4.52     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.40% |
| 7) Chloroethane-d5             | 1.58   | 69    | 57611    | 4.63     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.60% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 92735    | 3.37     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.40% |
| 20) 2-Butanone-d5              | 3.97   | 46    | 166258   | 39.40    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 78.80% |
| 24) Chloroform-d               | 4.40   | 84    | 132477   | 4.45     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.00% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 65605    | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.20% |
| 32) Benzene-d6                 | 5.10   | 84    | 254417   | 4.42     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.40% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 86348    | 4.39     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.80% |
| 41) Toluene-d8                 | 7.36   | 98    | 195067   | 3.99     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.80% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 26332    | 3.85     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 77.00% |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 69675    | 24.91    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 49.82% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 60118    | 3.92     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 78.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 68986    | 4.41     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 88.20% |

## Target Compounds

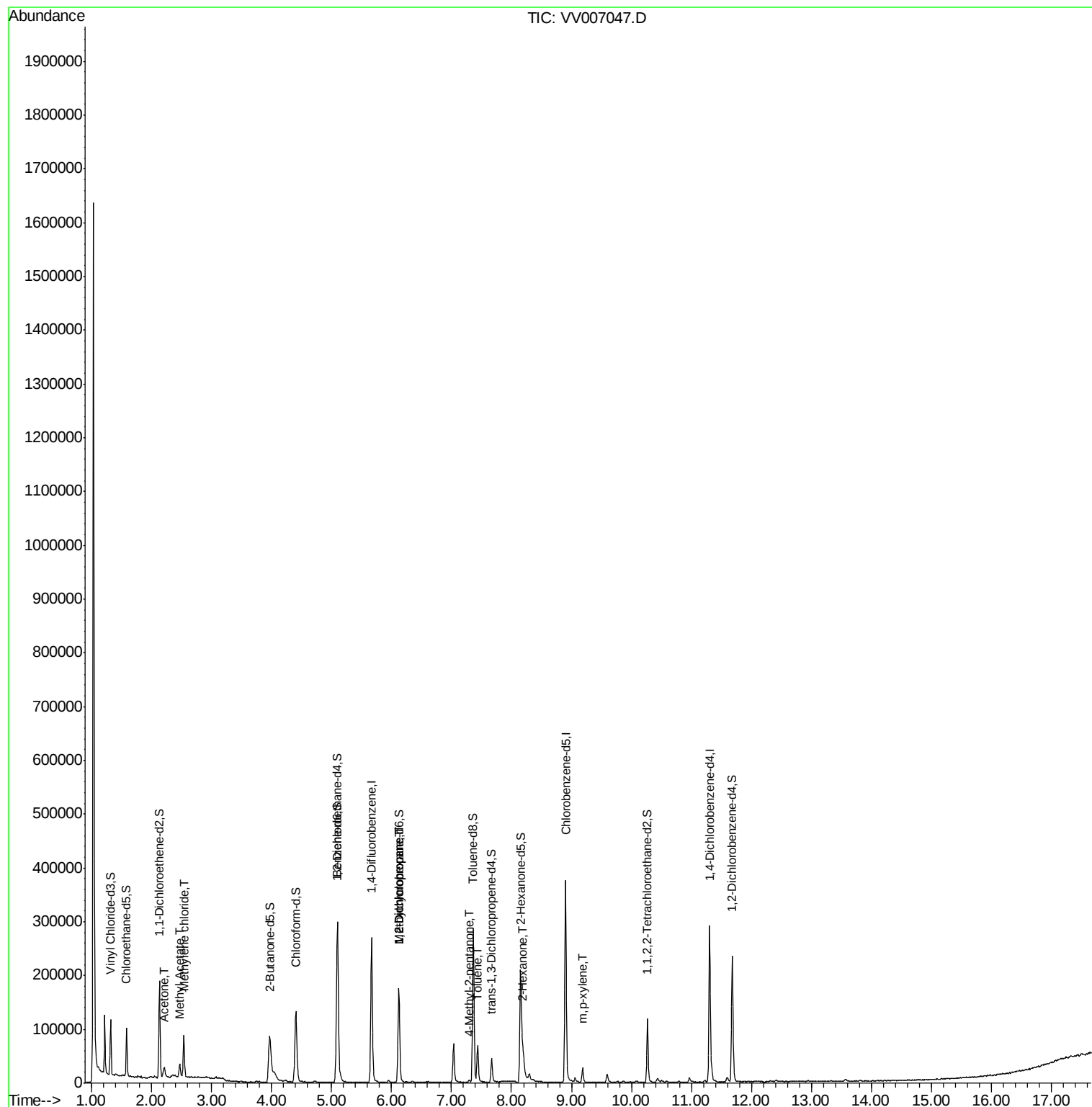
|                          |      |     |       |        | Ovalue    |
|--------------------------|------|-----|-------|--------|-----------|
| 13) Acetone              | 2.21 | 43  | 27190 | 12.514 | ug/L 98   |
| 15) Methyl Acetate       | 2.47 | 43  | 27426 | 4.485  | ug/L 99   |
| 16) Methylene chloride   | 2.54 | 84  | 33029 | 1.678  | ug/L 98   |
| 35) Methylcyclohexane    | 6.12 | 83  | 20197 | 0.677  | ug/L # 16 |
| 37) 1,2-Dichloropropane  | 6.12 | 63  | 8970  | 0.423  | ug/L # 87 |
| 40) 4-Methyl-2-pentanone | 7.29 | 43  | 3275  | 0.286  | ug/L # 86 |
| 42) Toluene              | 7.44 | 91  | 49576 | 0.665  | ug/L 99   |
| 48) 2-Hexanone           | 8.20 | 43  | 20167 | 2.494  | ug/L # 82 |
| 53) m,p-xylene           | 9.19 | 106 | 8066  | 0.291  | ug/L 92   |

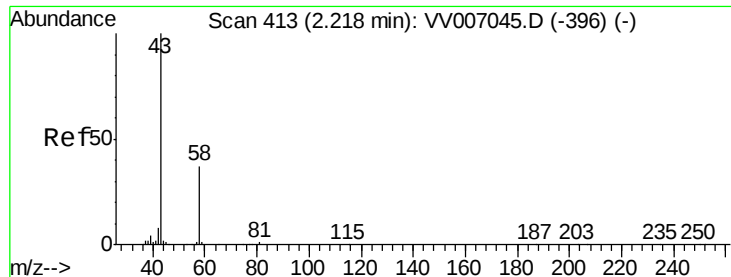
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081718\  
Data File : VV007047.D  
Acq On : 17 Aug 2018 11:56  
Operator : SY/MD  
Sample : J4487-14  
Misc : 25.0 mL/MSVOA V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Aug 18 03:37:42 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Aug 18 03:36:46 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 12.514 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.01 min

Lab File: VV007047.D

Acq: 17 Aug 2018 11:56

Instrument :

MSVOA\_V

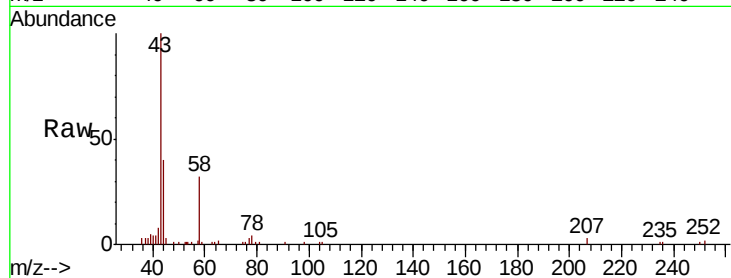
ClientSampled :

Tot Ion: 43 Resp: 27190

Ion Ratio Lower Upper

43 100

58 34.5 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV007045.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007045.D (-396) (-)

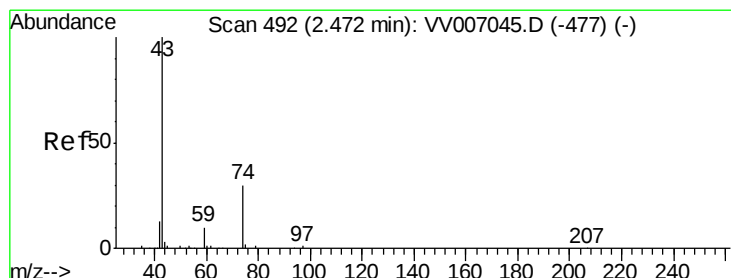
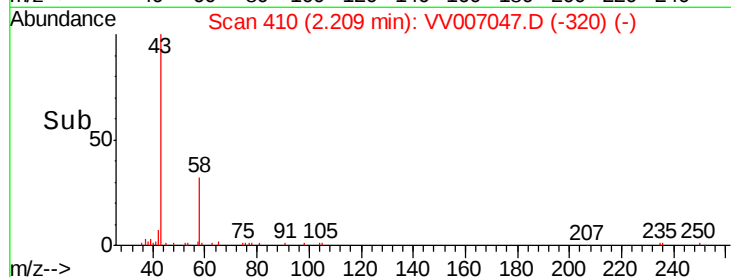
2.21

10000

5000

0

Time-->



#15

Methyl Acetate

Concen: 4.485 ug/L

RT: 2.47 min Scan# 491

Delta R.T. -0.00 min

Lab File: VV007047.D

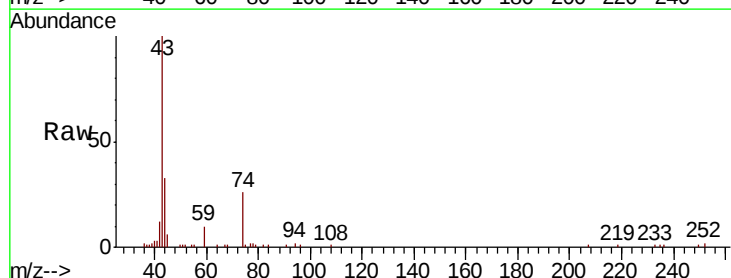
Acq: 17 Aug 2018 11:56

Tgt Ion: 43 Resp: 27426

Ion Ratio Lower Upper

43 100

74 30.4 24.6 37.0



Abundance Ion 43.05 (42.75 to 43.75): VV007045.D (-477) (-)

Ion 74.05 (73.75 to 74.75): VV007045.D (-477) (-)

2.47

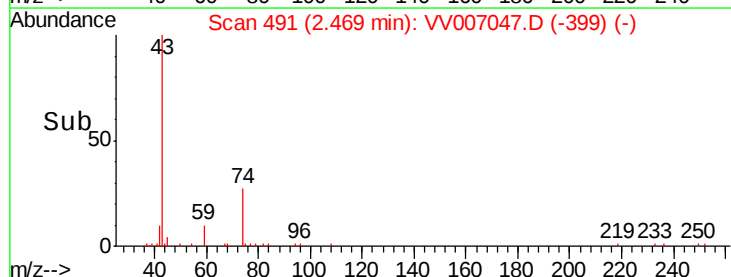
15000

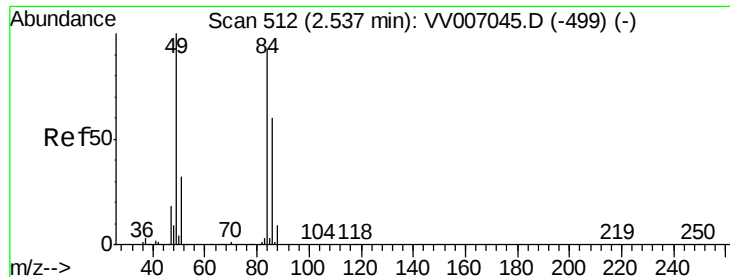
10000

5000

0

Time-->

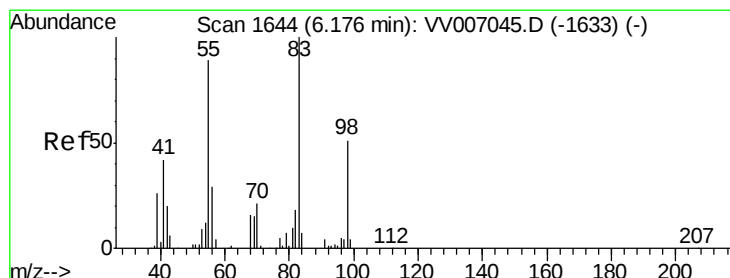
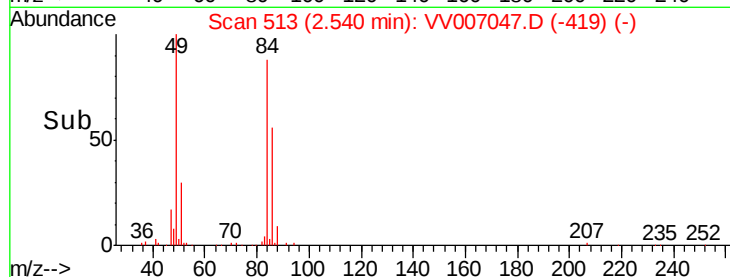
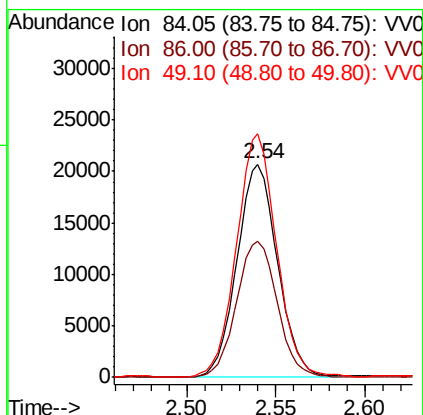
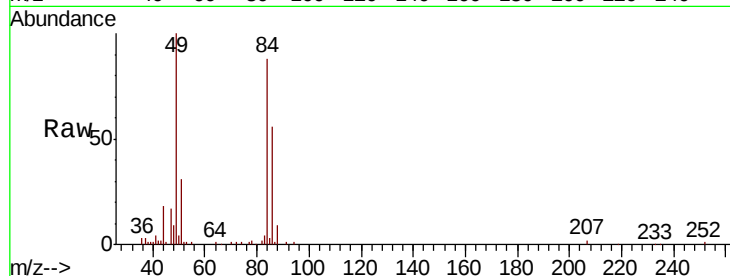




#16  
Methvlene chloride  
Concen: 1.678 ug/L  
RT: 2.54 min Scan# 513  
Delta R.T. 0.00 min  
Lab File: VV007047.D  
Acq: 17 Aug 2018 11:56

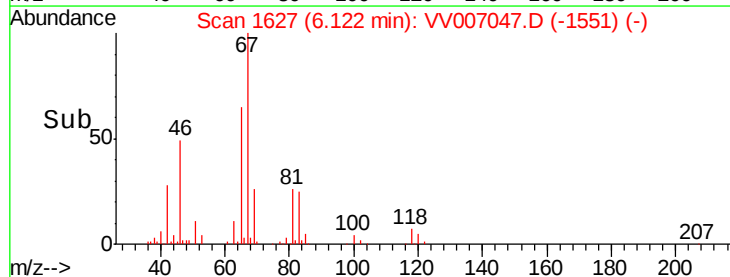
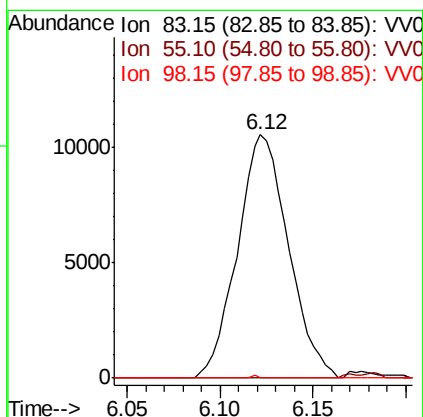
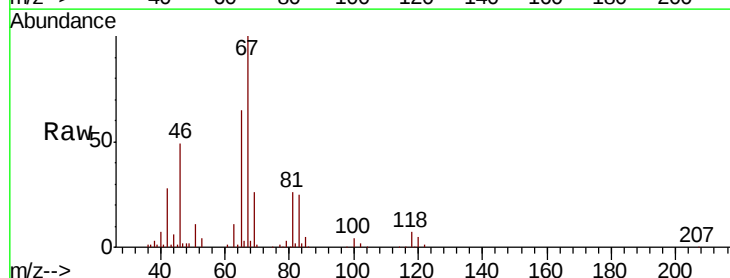
Instrument :  
MSVOA\_V  
ClientSampled :

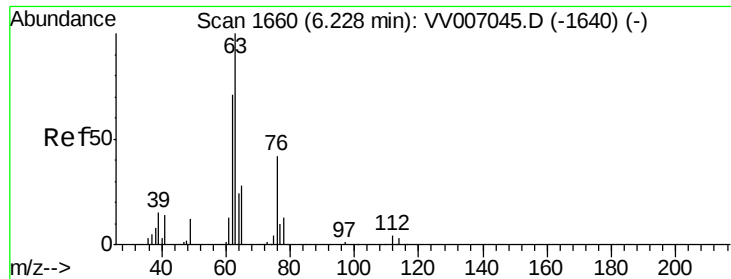
Tot Ion: 84 Resp: 33029  
Ion Ratio Lower Upper  
84 100  
86 63.7 45.7 84.9  
49 114.2 78.8 146.4



#35  
Methylcyclohexane  
Concen: 0.677 ug/L  
RT: 6.12 min Scan# 1627  
Delta R.T. -0.05 min  
Lab File: VV007047.D  
Acq: 17 Aug 2018 11:56

Tgt Ion: 83 Resp: 20197  
Ion Ratio Lower Upper  
83 100  
55 1.1 68.1 102.1#  
98 0.1 37.9 56.9#





#37

1,2-Dichloropropane

Concen: 0.423 ug/L

RT: 6.12 min Scan# 1627

Delta R.T. -0.11 min

Lab File: VV007047.D

Acq: 17 Aug 2018 11:56

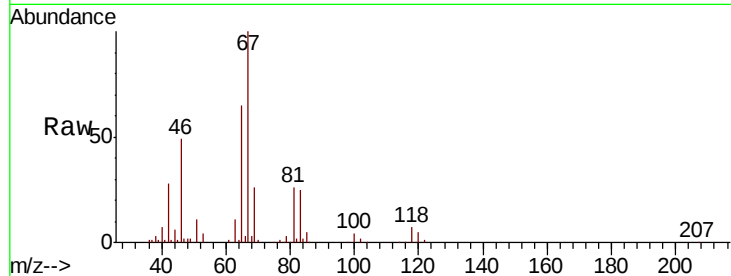
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 63 Resp: 8970

Ion Ratio Lower Upper

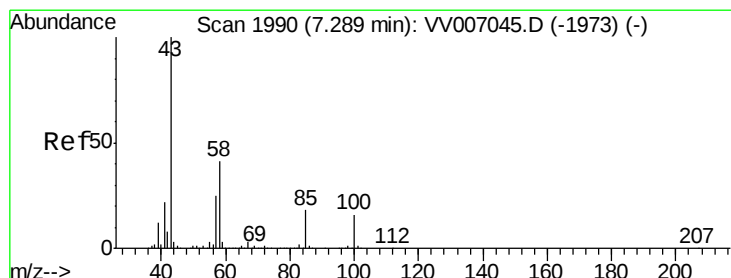
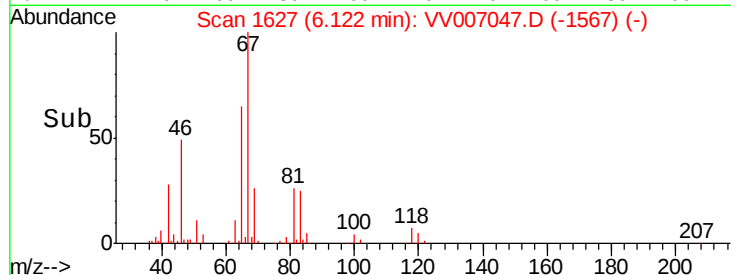
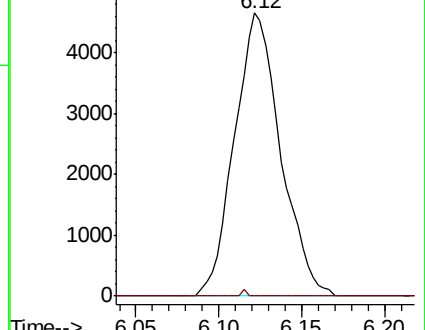
63 100

112 0.2 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#40

4-Methyl-2-pentanone

Concen: 0.286 ug/L

RT: 7.29 min Scan# 1991

Delta R.T. 0.00 min

Lab File: VV007047.D

Acq: 17 Aug 2018 11:56

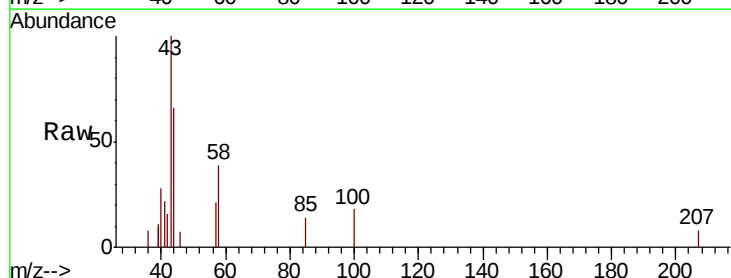
Tgt Ion: 43 Resp: 3275

Ion Ratio Lower Upper

43 100

58 34.6 30.7 46.1

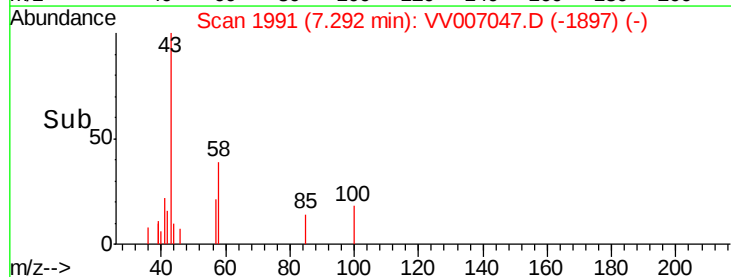
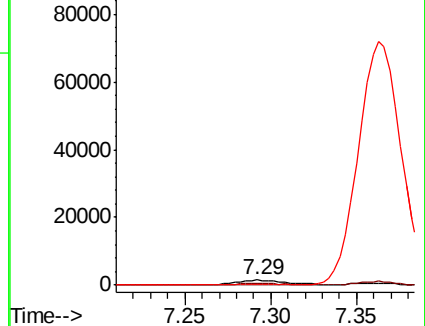
100 0.0 11.2 16.8#

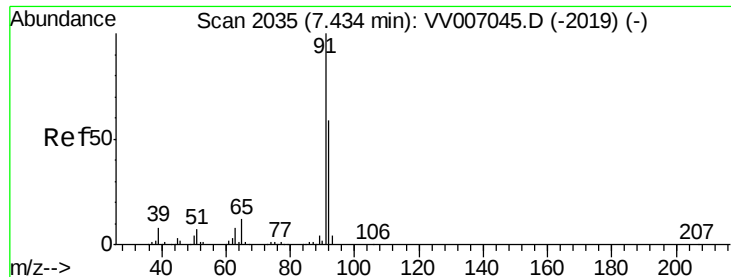


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 0.665 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007047.D

Acq: 17 Aug 2018 11:56

Instrument :

MSVOA\_V

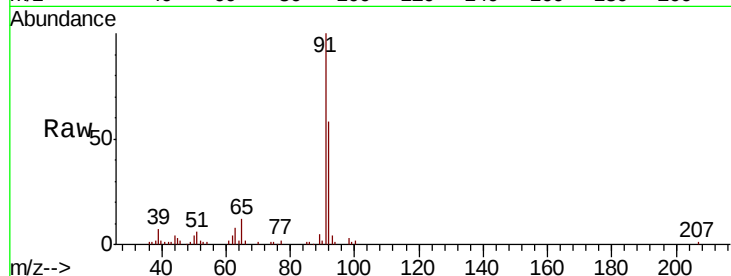
ClientSampleId :

Tot Ion: 91 Resp: 49576

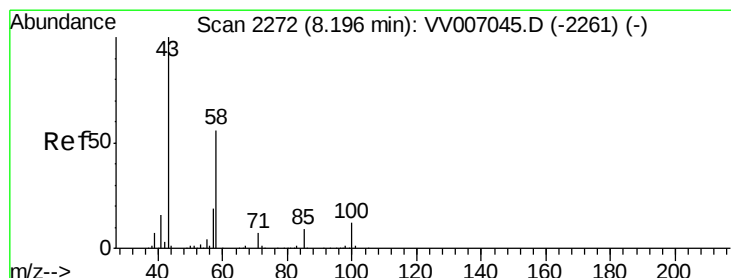
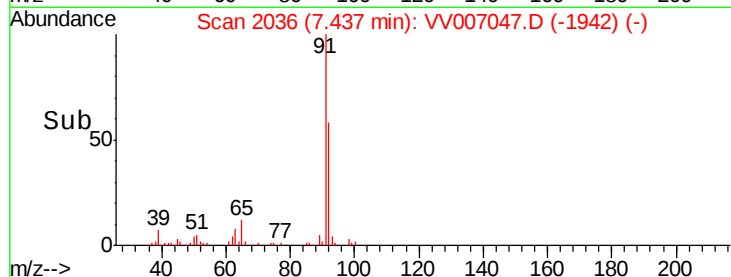
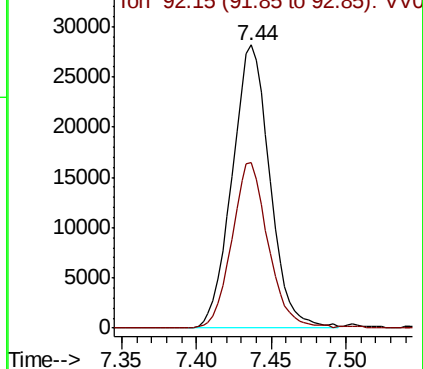
Ion Ratio Lower Upper

91 100

92 58.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV007045.D (-2019) (-)



#48

2-Hexanone

Concen: 2.494 ug/L

RT: 8.20 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV007047.D

Acq: 17 Aug 2018 11:56

Tgt Ion: 43 Resp: 20167

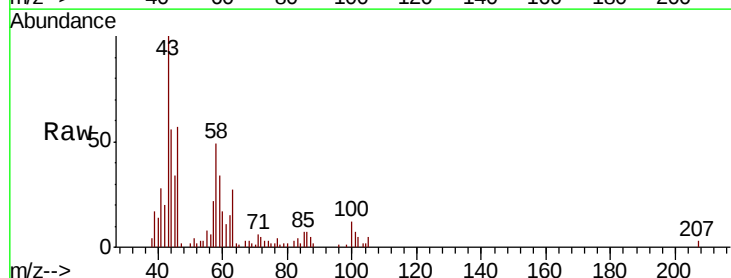
Ion Ratio Lower Upper

43 100

58 37.0 44.2 66.2#

57 16.1 14.8 22.2

100 8.9 8.8 13.2

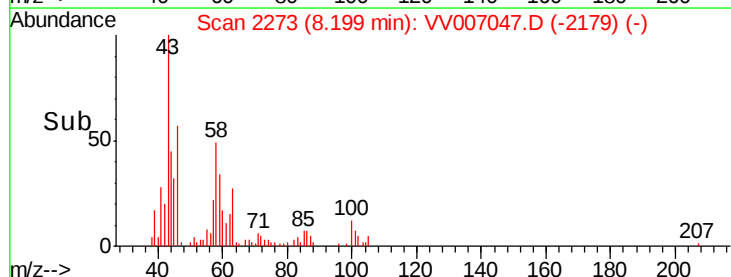
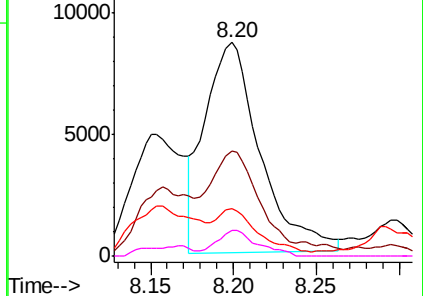


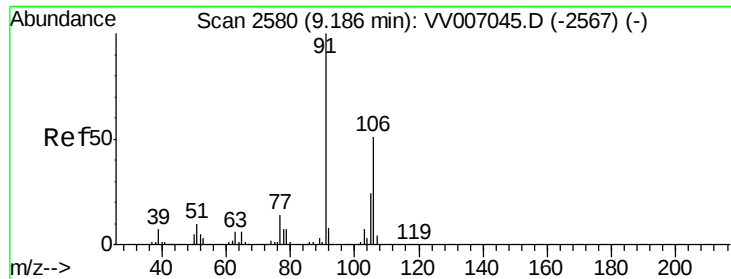
Abundance Ion 43.05 (42.75 to 43.75): VV007045.D (-2261) (-)

Ion 58.05 (57.75 to 58.75): VV007045.D (-2261) (-)

Ion 57.20 (56.90 to 57.90): VV007045.D (-2261) (-)

Ion 100.15 (99.85 to 100.85): VV007045.D (-2261) (-)





#53  
 m,p-xylene  
 Concen: 0.291 ug/L  
 RT: 9.19 min Scan# 2580  
 Delta R.T. -0.00 min  
 Lab File: VV007047.D  
 Acq: 17 Aug 2018 11:56

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion:106 Resp: 8066  
 Ion Ratio Lower Upper  
 106 100  
 91 189.9 141.6 263.0

