

Data File : VV008071.D  
Acq On : 04 Oct 2018 19:40  
Operator : SY/MD  
Sample : J5246-20  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0J88

Quant Time: Oct 05 05:57:18 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR092718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 05 05:56:33 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 79567    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 76385    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 37123    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 17308    | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.20%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 16424    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 28552    | 2.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 59.20%# |
| 20) 2-Butanone-d5              | 3.96   | 46    | 69251    | 53.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.96% |
| 24) Chloroform-d               | 4.41   | 84    | 47642    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 26328    | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.60%  |
| 32) Benzene-d6                 | 5.10   | 84    | 87251    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 29094    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.60% |
| 41) Toluene-d8                 | 7.36   | 98    | 79355    | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 9480     | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 45038    | 45.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 91.68%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 21239    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 34677    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.60%  |

#### Target Compounds

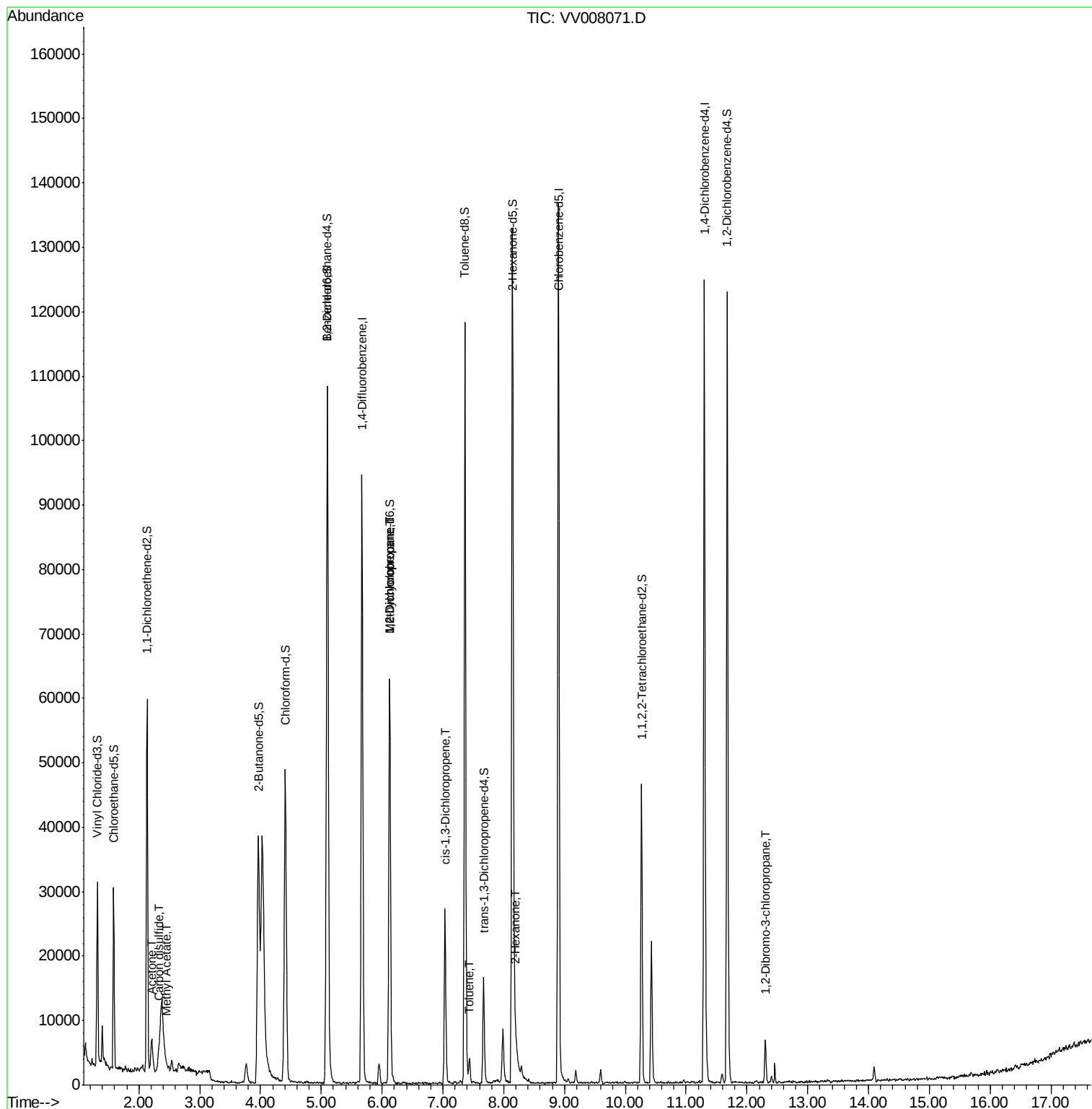
|                                |       |    |      |       | Qvalue    |
|--------------------------------|-------|----|------|-------|-----------|
| 13) Acetone                    | 2.21  | 43 | 7007 | 7.496 | ug/L 94   |
| 14) Carbon disulfide           | 2.32  | 76 | 2526 | 0.177 | ug/L # 77 |
| 15) Methyl Acetate             | 2.46  | 43 | 433  | 0.181 | ug/L # 51 |
| 35) Methylcyclohexane          | 6.13  | 83 | 7028 | 0.748 | ug/L # 23 |
| 37) 1,2-Dichloropropane        | 6.12  | 63 | 3425 | 0.613 | ug/L # 87 |
| 39) cis-1,3-Dichloropropene    | 7.03  | 75 | 707  | 0.095 | ug/L # 66 |
| 42) Toluene                    | 7.44  | 91 | 2562 | 0.108 | ug/L 98   |
| 48) 2-Hexanone                 | 8.20  | 43 | 3564 | 1.461 | ug/L # 92 |
| 66) 1,2-Dibromo-3-chloropropan | 12.31 | 75 | 141  | 0.240 | ug/L # 1  |

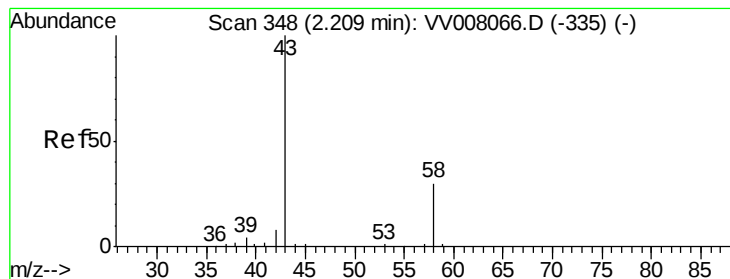
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV008071.D  
Acq On : 04 Oct 2018 19:40  
Operator : SY/MD  
Sample : J5246-20  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0J88

Quant Time: Oct 05 05:57:18 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR092718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Oct 05 05:56:33 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 7.496 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV008071.D

Acq: 04 Oct 2018 19:40

Instrument :

MSVOA\_V

ClientSampled :

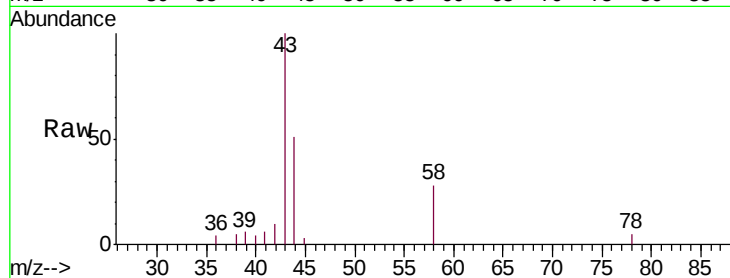
C0J88

Tgt Ion: 43 Resp: 7007

Ion Ratio Lower Upper

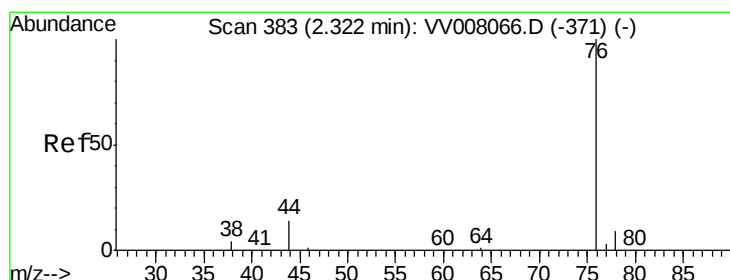
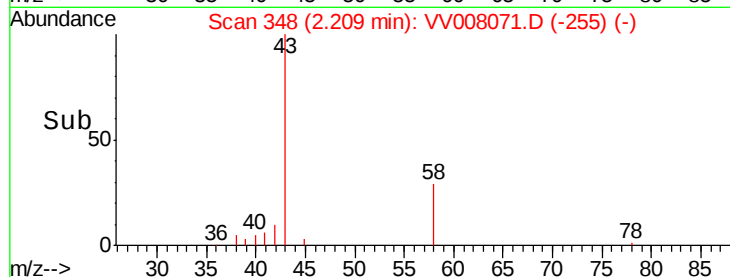
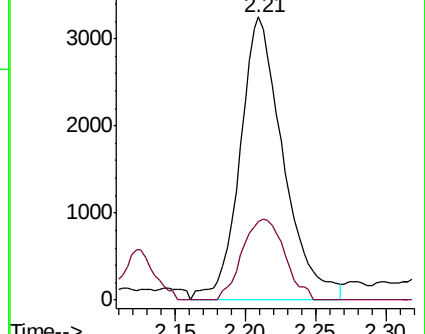
43 100

58 27.9 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008066.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV008066.D (-335) (-)



#14

Carbon disulfide

Concen: 0.177 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008071.D

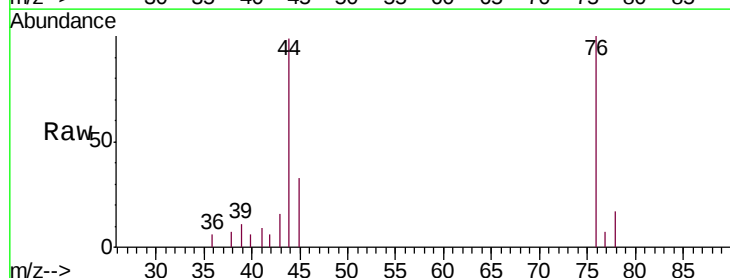
Acq: 04 Oct 2018 19:40

Tgt Ion: 76 Resp: 2526

Ion Ratio Lower Upper

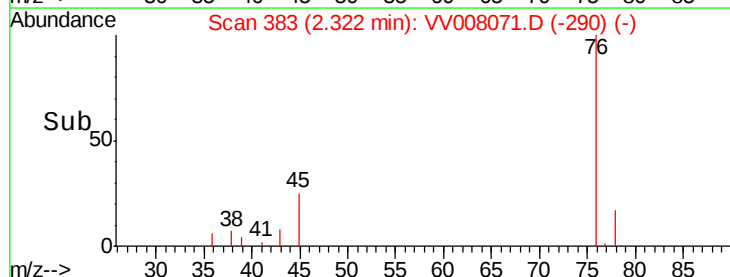
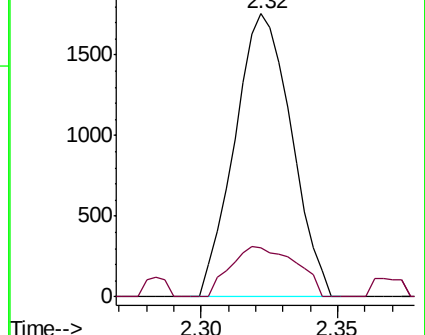
76 100

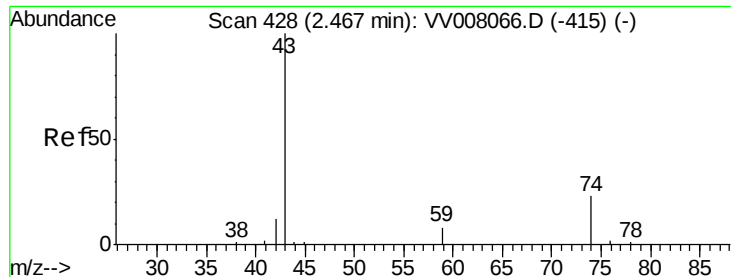
78 17.2 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV008066.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV008066.D (-371) (-)





#15

Methyl Acetate

Concen: 0.181 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV008071.D

Acq: 04 Oct 2018 19:40

Instrument :

MSVOA\_V

ClientSampleId :

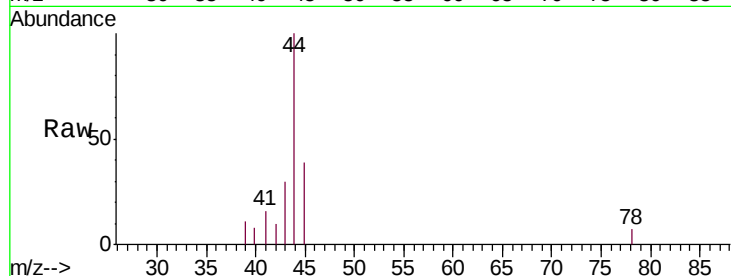
C0J88

Tgt Ion: 43 Resp: 433

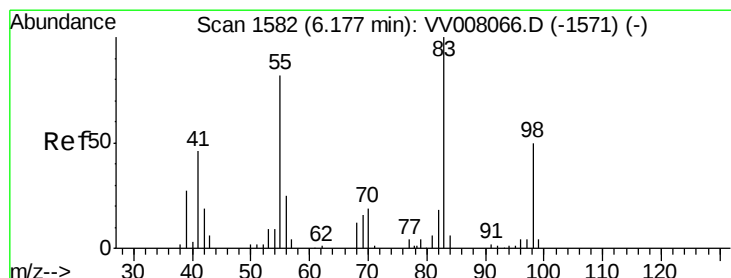
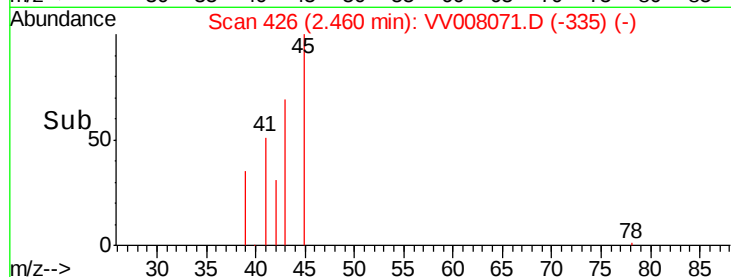
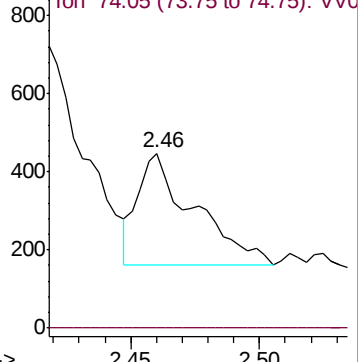
Ion Ratio Lower Upper

43 100

74 0.0 19.5 29.3#



Abundance Ion 43.05 (42.75 to 43.75): VV008066.D (-415) (-)



#35

Methylcyclohexane

Concen: 0.748 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV008071.D

Acq: 04 Oct 2018 19:40

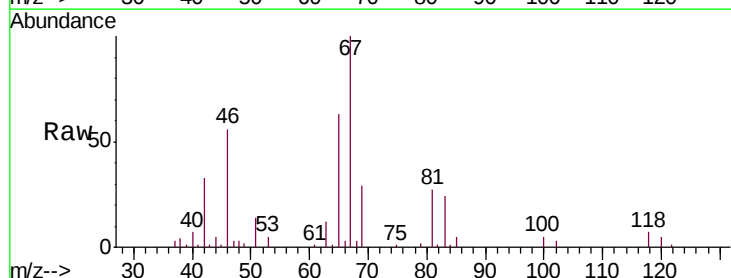
Tgt Ion: 83 Resp: 7028

Ion Ratio Lower Upper

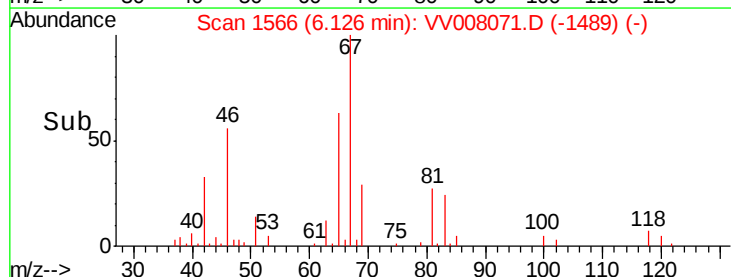
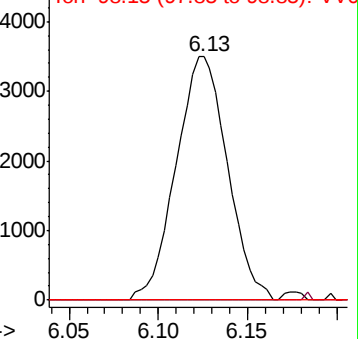
83 100

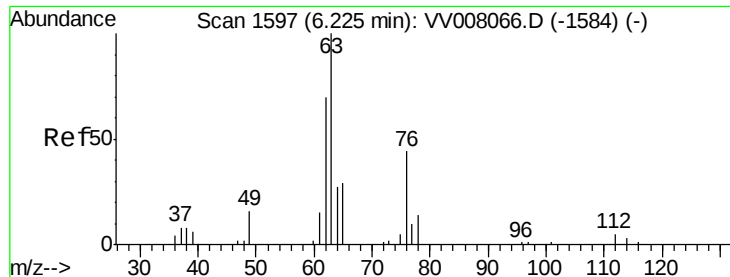
55 0.3 62.2 93.2#

98 9.8 38.0 57.0#



Abundance Ion 83.15 (82.85 to 83.85): VV008066.D (-1571) (-)





#37

1,2-Dichloropropane

Concen: 0.613 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008071.D

Acq: 04 Oct 2018 19:40

Instrument :

MSVOA\_V

ClientSampleId :

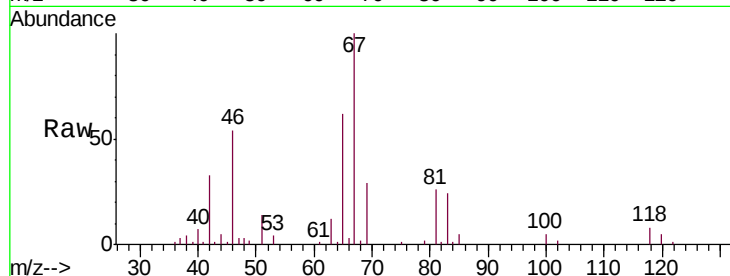
C0J88

Tgt Ion: 63 Resp: 3425

Ion Ratio Lower Upper

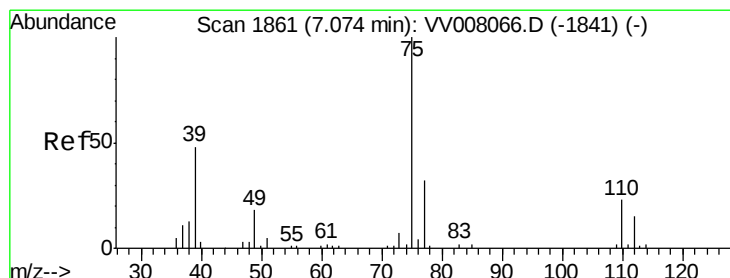
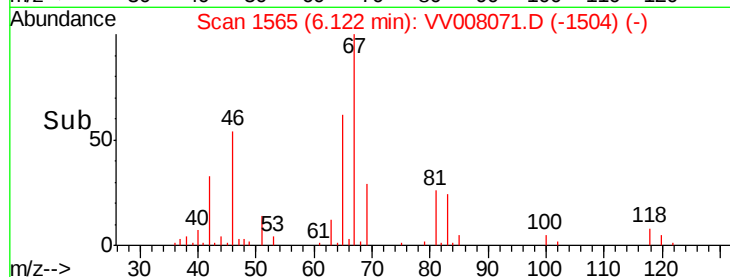
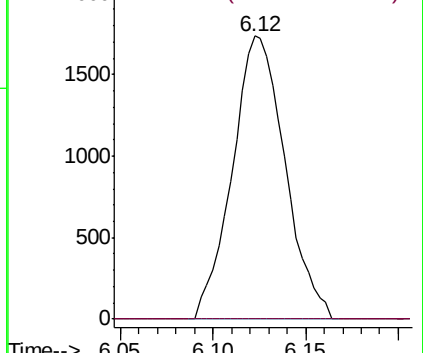
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV008066.D (-1584) (-)

Ion 112.10 (111.80 to 112.80): VV008066.D (-1584) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008071.D

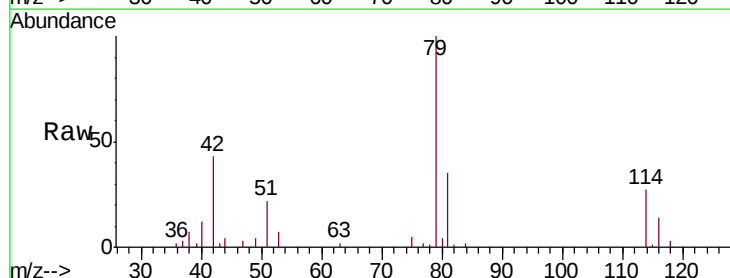
Acq: 04 Oct 2018 19:40

Tgt Ion: 75 Resp: 707

Ion Ratio Lower Upper

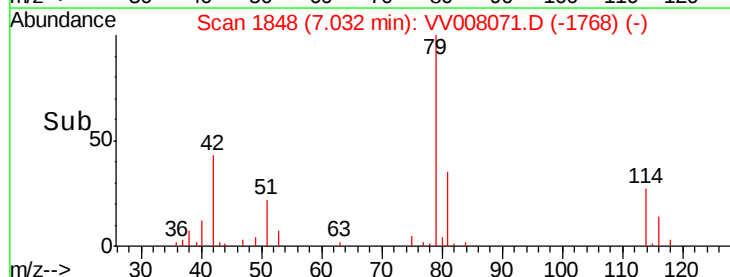
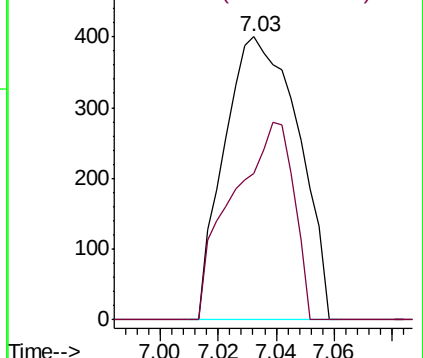
75 100

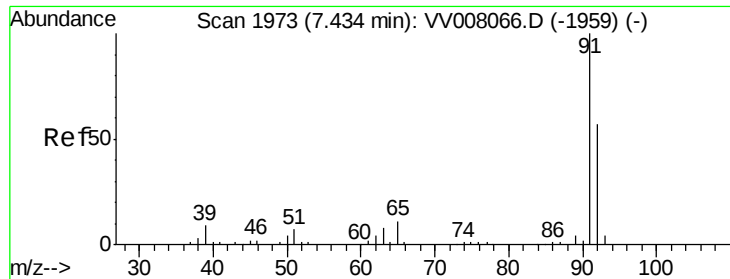
77 51.7 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV008066.D (-1841) (-)

Ion 77.05 (76.75 to 77.75): VV008066.D (-1841) (-)





#42

Toluene

Concen: 0.108 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008071.D

Acq: 04 Oct 2018 19:40

Instrument :

MSVOA\_V

ClientSampleId :

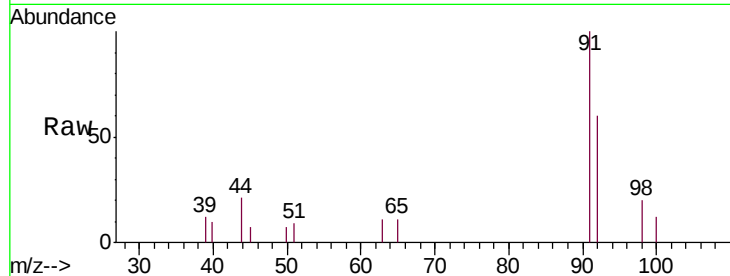
C0J88

Tgt Ion: 91 Resp: 2562

Ion Ratio Lower Upper

91 100

92 59.9 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV008066.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008066.D (-1959) (-)

7.44

1500

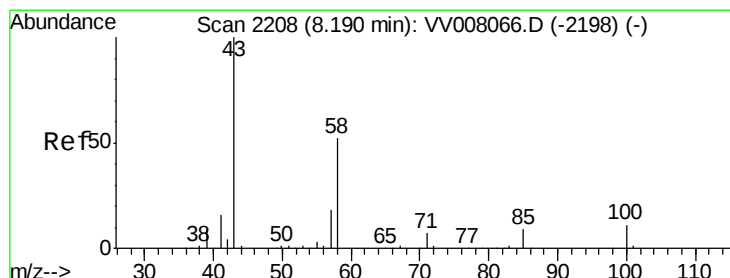
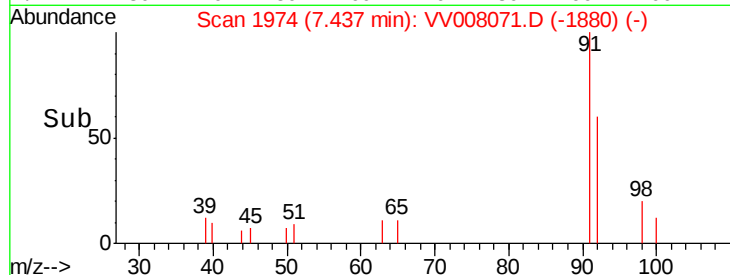
1000

500

0

7.40 7.45

Time-->



#48

2-Hexanone

Concen: 1.461 ug/L

RT: 8.20 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VV008071.D

Acq: 04 Oct 2018 19:40

Tgt Ion: 43 Resp: 3564

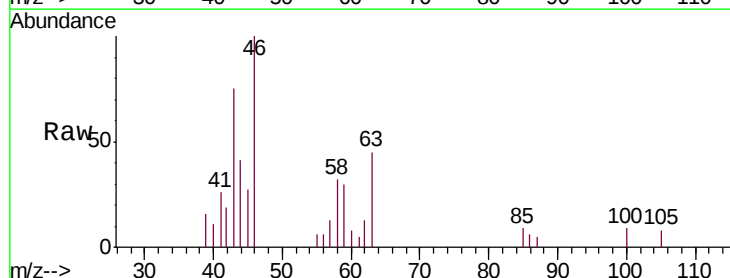
Ion Ratio Lower Upper

43 100

58 46.2 41.9 62.9

57 16.4 14.3 21.5

100 7.9 9.2 13.8#



Abundance Ion 43.05 (42.75 to 43.75): VV008066.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV008066.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VV008066.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV008066.D (-2198) (-)

5000

4000

3000

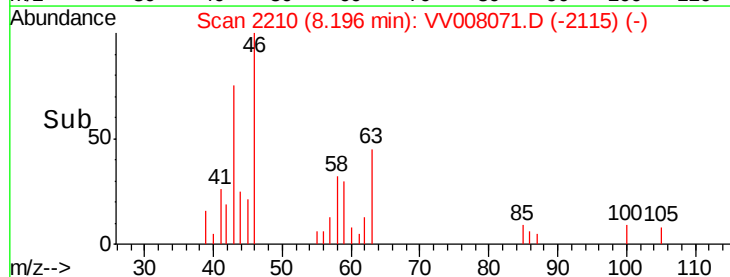
2000

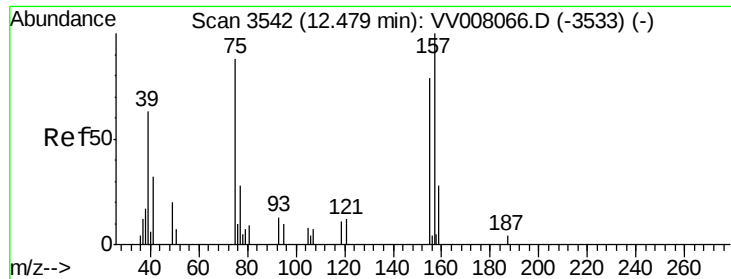
1000

0

8.15 8.20 8.25 8.30

Time-->





#66

1,2-Dibromo-3-chloropropane

Concen: 0.240 ug/L

RT: 12.31 min Scan# 3489

Delta R.T. -0.17 min

Lab File: VV008071.D

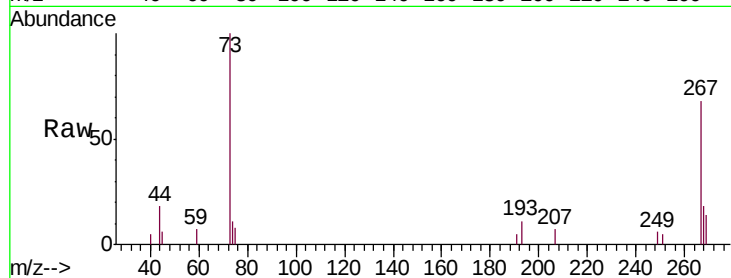
Acq: 04 Oct 2018 19:40

Instrument :

MSVOA\_V

ClientSampleId :

C0J88



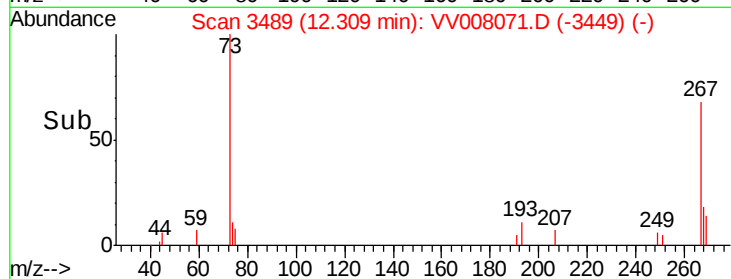
Tgt Ion: 75 Resp: 141

Ion Ratio Lower Upper

75 100

155 0.0 83.4 125.2#

157 0.0 93.9 140.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

