

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\  
 Data File : VV008305.D  
 Acq On : 16 Oct 2018 18:44  
 Operator : SY/MD  
 Sample : J5406-16  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COALO

Quant Time: Oct 17 02:33:11 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR101518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 17 02:28:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 95549    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 84282    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 33890    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 27315    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.20% |
| 7) Chloroethane-d5             | 1.58   | 69    | 20127    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 38974    | 3.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.20%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 84184    | 46.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 92.96%  |
| 24) Chloroform-d               | 4.41   | 84    | 52888    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 28246    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.20%  |
| 32) Benzene-d6                 | 5.10   | 84    | 116370   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 39300    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.40%  |
| 41) Toluene-d8                 | 7.36   | 98    | 103295   | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.00%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 12329    | 3.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 48061    | 40.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.12%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 22247    | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 82.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 30303    | 4.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.20%  |

## Target Compounds

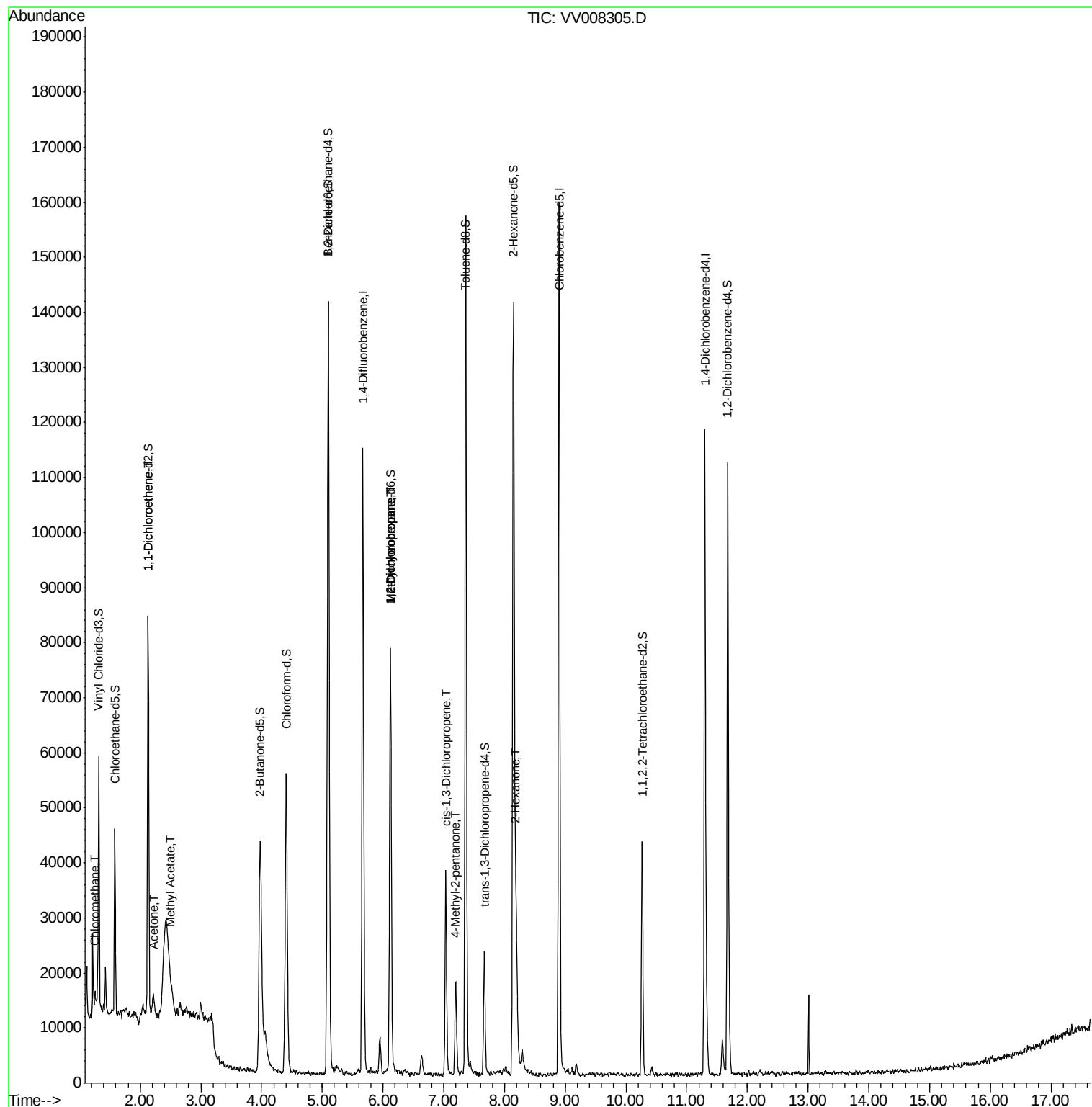
|                             |      |    |       |              | Ovalue |
|-----------------------------|------|----|-------|--------------|--------|
| 3) Chloromethane            | 1.25 | 50 | 1140  | 0.152 ug/L   | 85     |
| 12) 1,1-Dichloroethene      | 2.14 | 96 | 729   | 0.159 ug/L # | 1      |
| 13) Acetone                 | 2.22 | 43 | 6348  | 6.478 ug/L   | 97     |
| 15) Methyl Acetate          | 2.50 | 43 | 1851  | 0.759 ug/L # | 50     |
| 35) Methylcyclohexane       | 6.12 | 83 | 8421  | 0.634 ug/L # | 17     |
| 37) 1,2-Dichloropropane     | 6.12 | 63 | 3999  | 0.522 ug/L # | 90     |
| 39) cis-1,3-Dichloropropene | 7.04 | 75 | 957   | 0.088 ug/L # | 51     |
| 40) 4-Methyl-2-pentanone    | 7.20 | 43 | 8762  | 1.867 ug/L # | 44     |
| 48) 2-Hexanone              | 8.19 | 43 | 19727 | 5.751 ug/L # | 84     |

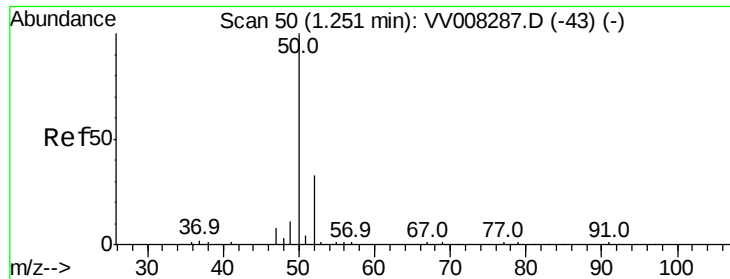
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 17 02:28:08 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.152 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008305.D

Acq: 16 Oct 2018 18:44

Instrument :

MSVOA\_V

ClientSampleId :

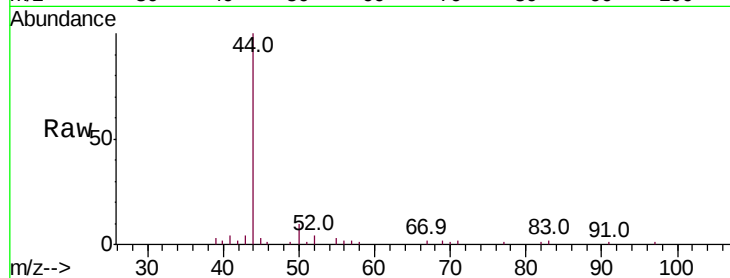
COAL0

Tot Ion: 50 Resp: 1140

Ion Ratio Lower Upper

50 100

52 42.5 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

1200

1000

800

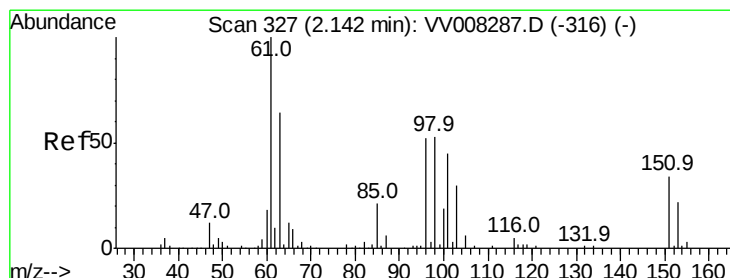
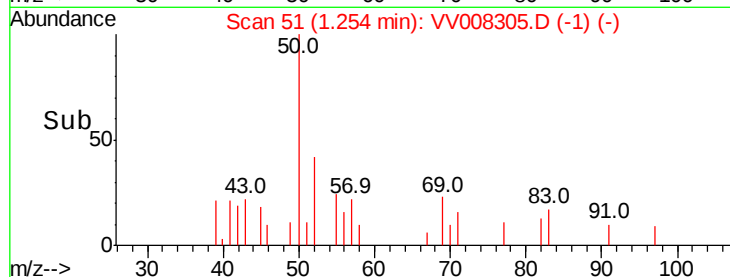
600

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.159 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008305.D

Acq: 16 Oct 2018 18:44

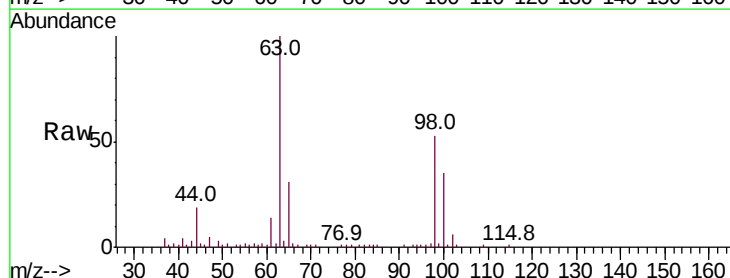
Tgt Ion: 96 Resp: 729

Ion Ratio Lower Upper

96 100

61 1014.7 129.9 241.3#

63 7454.5 103.0 191.4#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

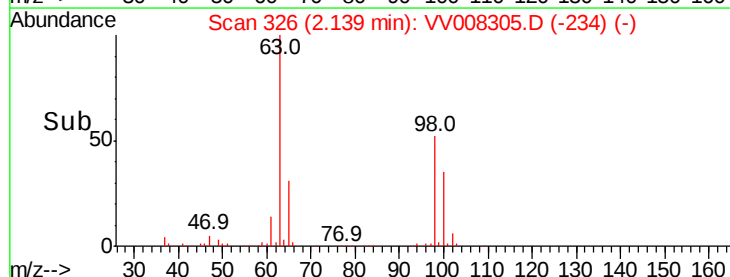
30000

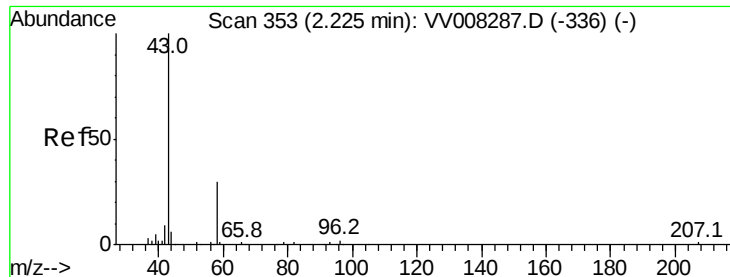
20000

10000

0

Time-->





#13

Acetone

Concen: 6.478 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV008305.D

Acq: 16 Oct 2018 18:44

Instrument :

MSVOA\_V

ClientSampleId :

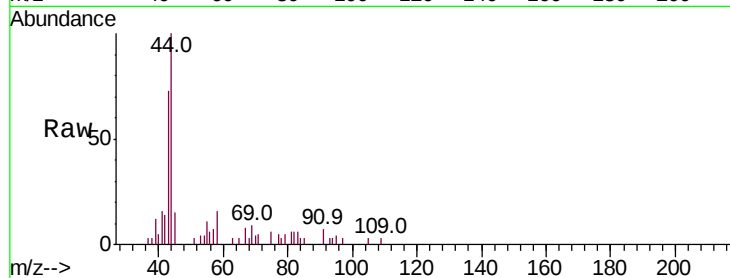
COAL0

Tot Ion: 43 Resp: 6348

Ion Ratio Lower Upper

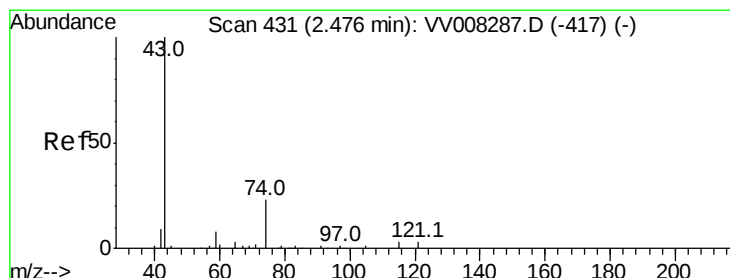
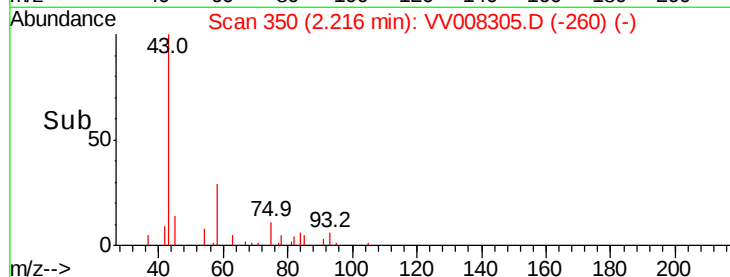
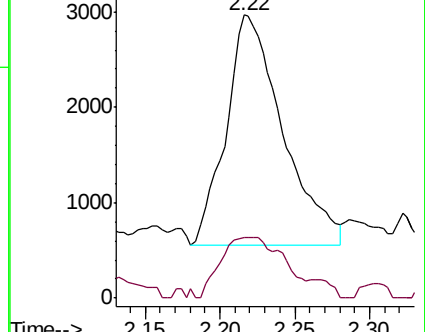
43 100

58 32.4 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008287.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008287.D (-336) (-)



#15

Methyl Acetate

Concen: 0.759 ug/L

RT: 2.50 min Scan# 439

Delta R.T. 0.03 min

Lab File: VV008305.D

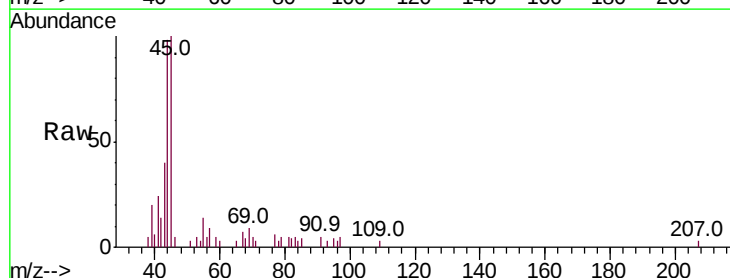
Acq: 16 Oct 2018 18:44

Tgt Ion: 43 Resp: 1851

Ion Ratio Lower Upper

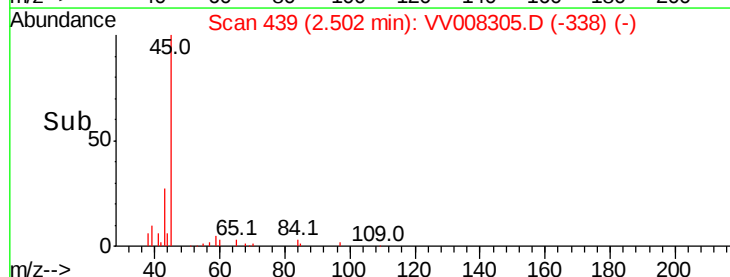
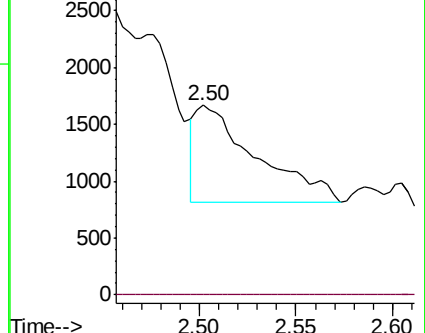
43 100

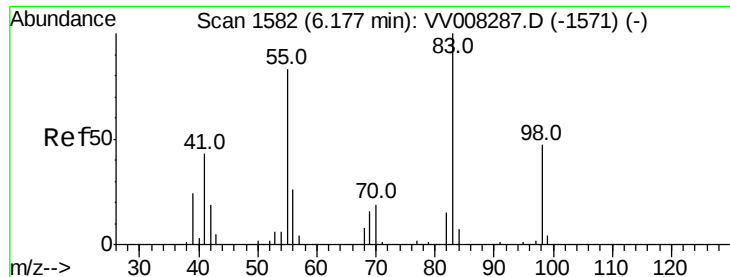
74 0.0 20.0 30.0#



Abundance Ion 43.05 (42.75 to 43.75): VV008287.D (-417) (-)

Ion 74.05 (73.75 to 74.75): VV008287.D (-417) (-)

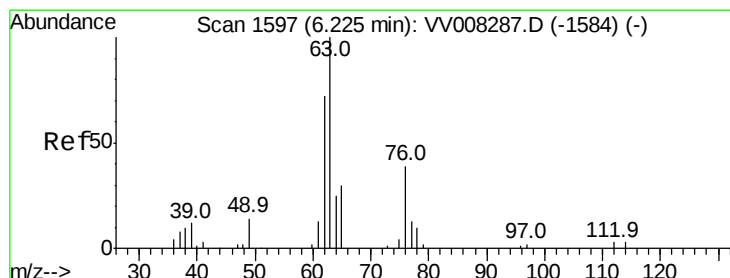
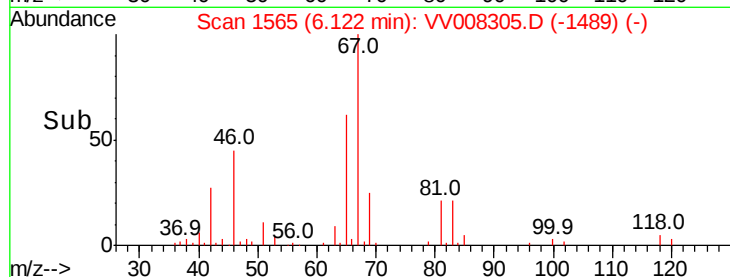
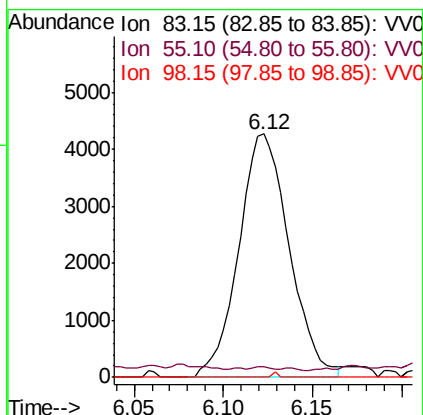
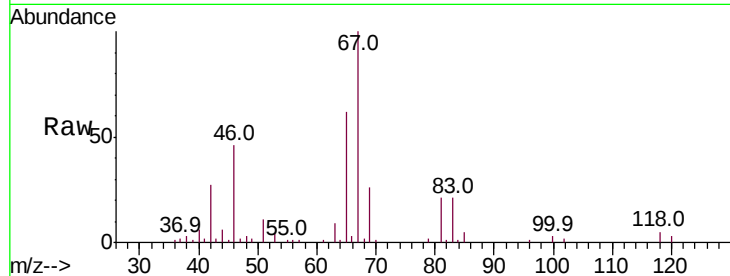




#35  
Methvlcvclohexane  
Concen: 0.634 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.05 min  
Lab File: VV008305.D  
Acq: 16 Oct 2018 18:44

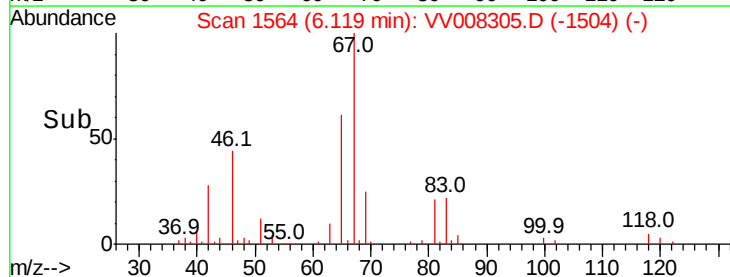
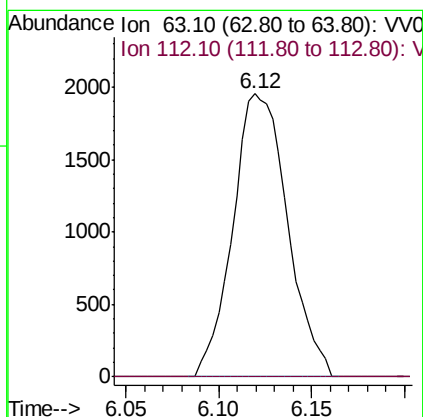
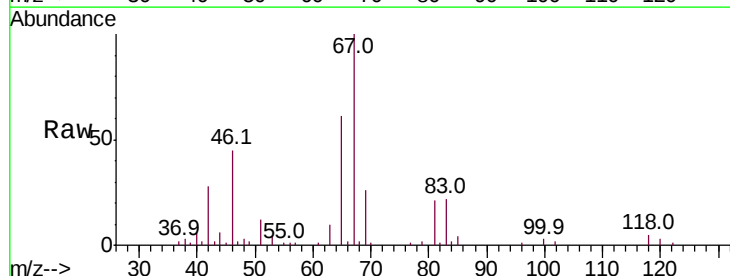
Instrument :  
MSVOA\_V  
ClientSampled :  
COAL0

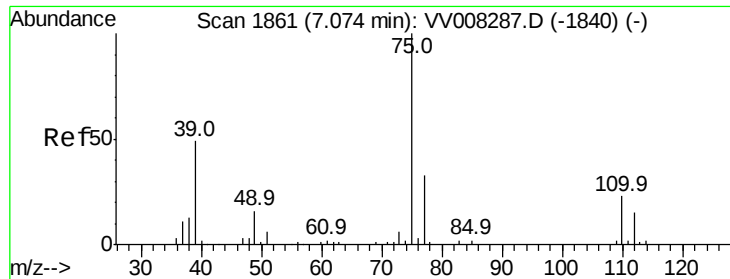
Tot Ion: 83 Resp: 8421  
Ion Ratio Lower Upper  
83 100  
55 0.4 64.0 96.0#  
98 0.0 37.0 55.4#



#37  
1,2-Dichloropropane  
Concen: 0.522 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.11 min  
Lab File: VV008305.D  
Acq: 16 Oct 2018 18:44

Tgt Ion: 63 Resp: 3999  
Ion Ratio Lower Upper  
63 100  
112 0.0 2.6 3.8#

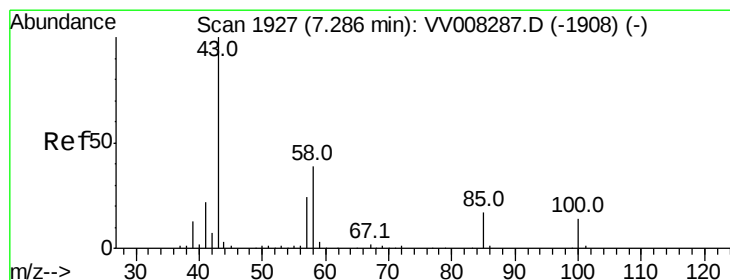
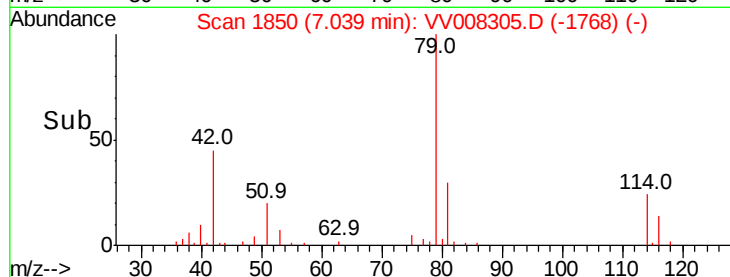
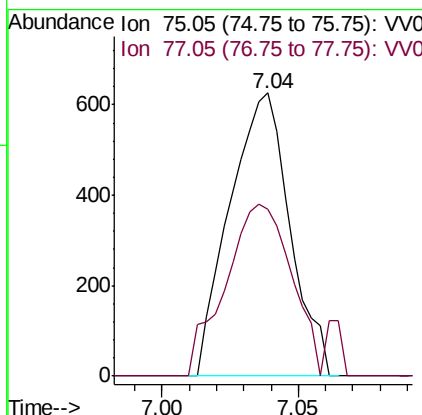
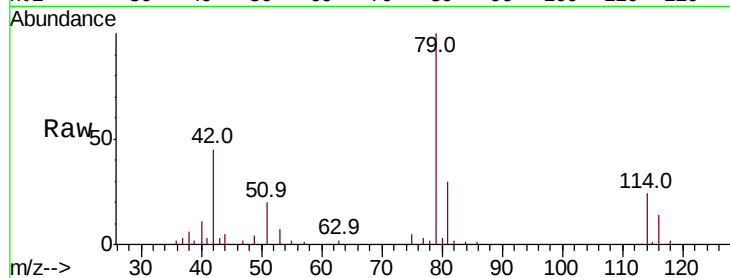




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.088 ug/L  
 RT: 7.04 min Scan# 1850  
 Delta R.T. -0.04 min  
 Lab File: VV008305.D  
 Acq: 16 Oct 2018 18:44

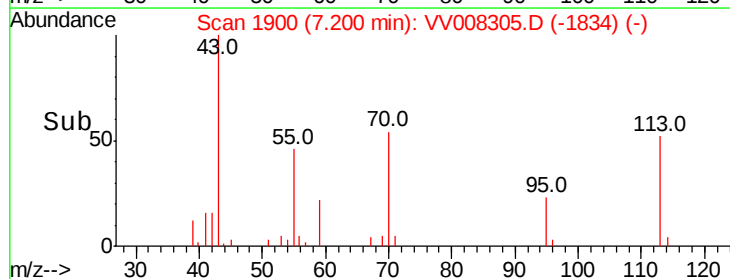
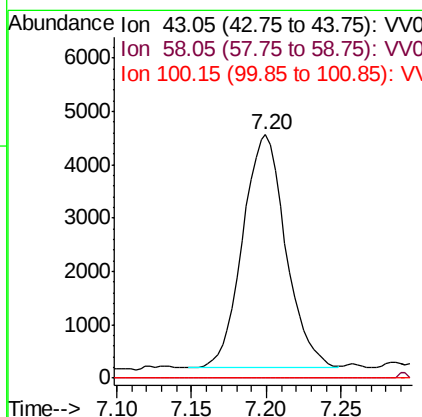
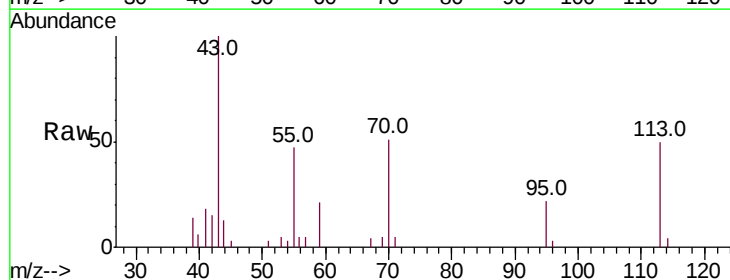
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COAL0

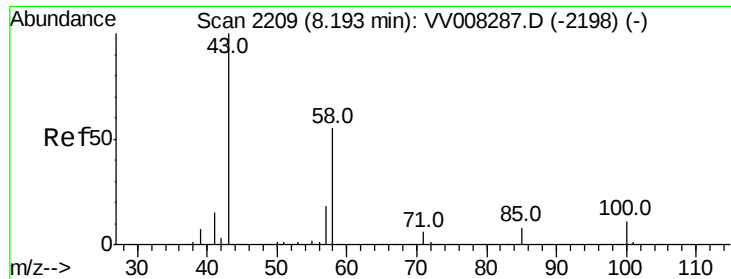
Tot Ion: 75 Resp: 957  
 Ion Ratio Lower Upper  
 75 100  
 77 58.8 22.3 41.3#



#40  
 4-Methyl-2-pentanone  
 Concen: 1.867 ug/L  
 RT: 7.20 min Scan# 1900  
 Delta R.T. -0.09 min  
 Lab File: VV008305.D  
 Acq: 16 Oct 2018 18:44

Tgt Ion: 43 Resp: 8762  
 Ion Ratio Lower Upper  
 43 100  
 58 0.5 31.3 46.9#  
 100 0.0 10.5 15.7#





#48

2-Hexanone

Concen: 5.751 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VV008305.D

Acq: 16 Oct 2018 18:44

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AL0

Tot Ion: 43 Resp: 19727

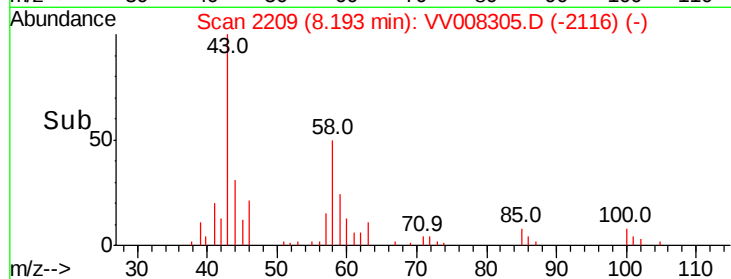
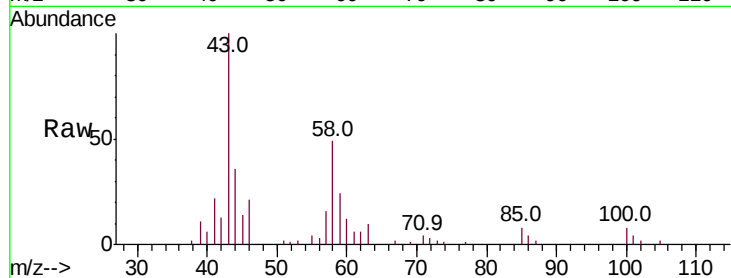
Ion Ratio Lower Upper

43 100

58 41.5 45.0 67.4#

57 14.1 14.4 21.6#

100 6.6 7.9 11.9#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

