

Data File : VU032096.D  
Acq On : 17 May 2019 11:34  
Operator : JC/SP  
Sample : K2859-10  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9W46

Quant Time: May 18 01:55:38 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR051619WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat May 18 01:51:41 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 371131   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 379271   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 145895   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 132587   | 4.24     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.80% |
| 7) Chloroethane-d5             | 1.68   | 69    | 116437   | 4.36     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 87.20% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 190601   | 3.83     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.60% |
| 20) 2-Butanone-d5              | 4.19   | 46    | 244222   | 39.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 79.58% |
| 24) Chloroform-d               | 4.64   | 84    | 249655   | 4.54     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.80% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 121857   | 4.30     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.00% |
| 32) Benzene-d6                 | 5.33   | 84    | 506429   | 4.38     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.60% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 145256   | 4.30     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 86.00% |
| 41) Toluene-d8                 | 7.56   | 98    | 411615   | 4.04     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.80% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 46918    | 3.85     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 77.00% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 222232   | 40.42    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 80.84% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 115419   | 4.18     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 83.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 151608   | 4.90     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.00% |

#### Target Compounds

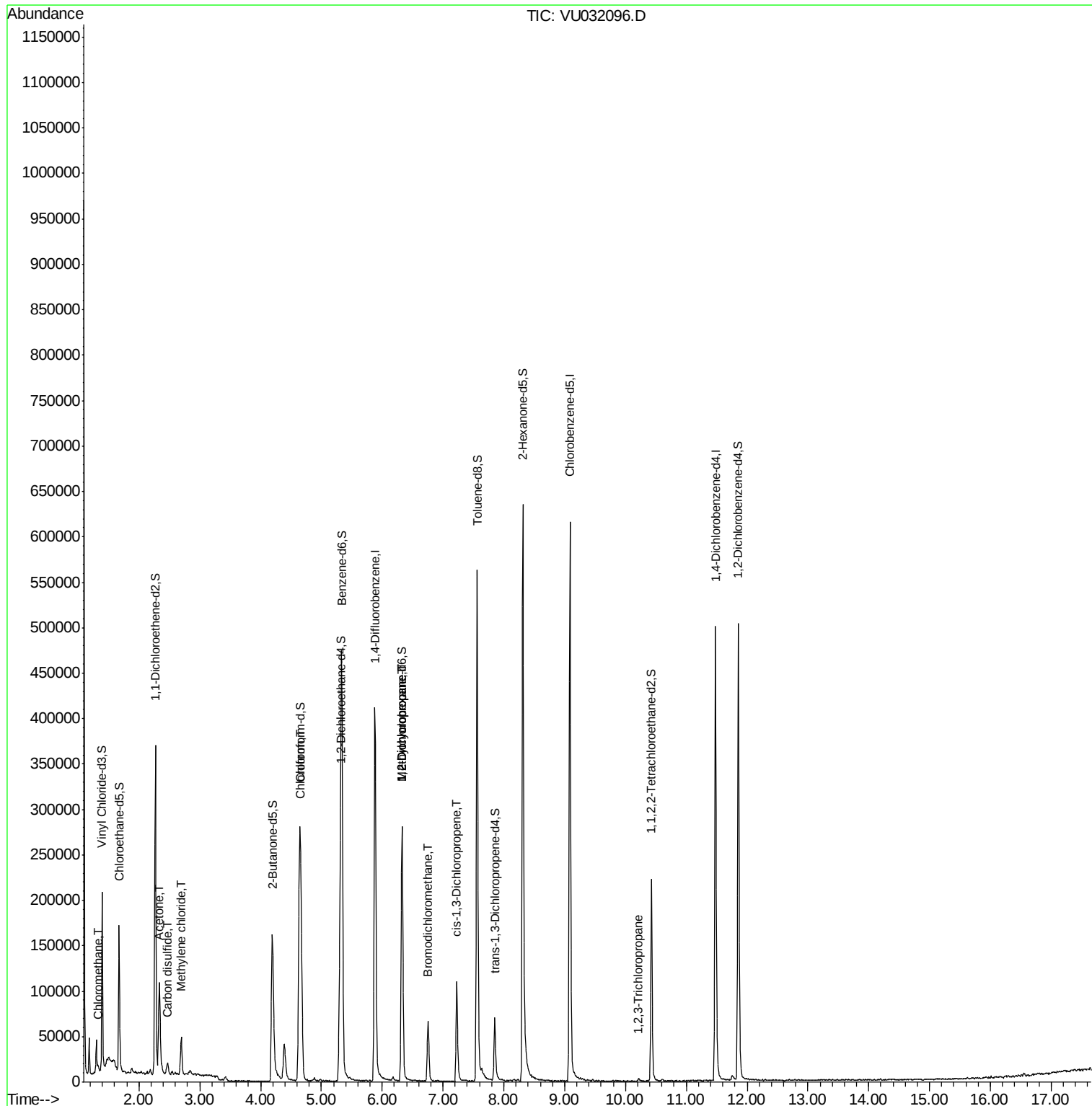
|                             |       |    |        |        | Qvalue    |
|-----------------------------|-------|----|--------|--------|-----------|
| 3) Chloromethane            | 1.33  | 50 | 4917   | 0.276  | ug/L 96   |
| 13) Acetone                 | 2.32  | 43 | 41244  | 20.469 | ug/L 95   |
| 14) Carbon disulfide        | 2.47  | 76 | 6927   | 0.146  | ug/L # 88 |
| 16) Methylene chloride      | 2.70  | 84 | 20756  | 1.167  | ug/L 92   |
| 25) Chloroform              | 4.67  | 83 | 145820 | 5.388  | ug/L 96   |
| 35) Methylcyclohexane       | 6.33  | 83 | 34837  | 1.531  | ug/L # 20 |
| 37) 1,2-Dichloropropane     | 6.32  | 63 | 15245  | 1.071  | ug/L # 88 |
| 38) Bromodichloromethane    | 6.76  | 83 | 48207  | 2.647  | ug/L 99   |
| 39) cis-1,3-Dichloropropene | 7.22  | 75 | 2999   | 0.152  | ug/L # 82 |
| 59) 1,2,3-Trichloropropane  | 10.21 | 75 | 1773   | 0.196  | ug/L # 42 |

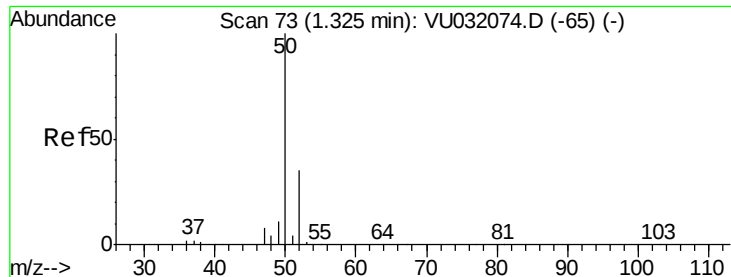
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU032096.D  
Acq On : 17 May 2019 11:34  
Operator : JC/SP  
Sample : K2859-10  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 59 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9W46

Quant Time: May 18 01:55:38 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR051619WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat May 18 01:51:41 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.276 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032096.D

Acq: 17 May 2019 11:34

Instrument :

MSVOA\_U

ClientSampleId :

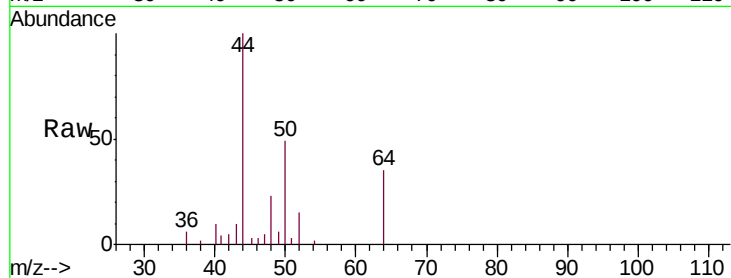
F9W46

Tgt Ion: 50 Resp: 4917

Ion Ratio Lower Upper

50 100

52 30.6 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU032074.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032074.D (-65) (-)

1.33

3000

2000

1000

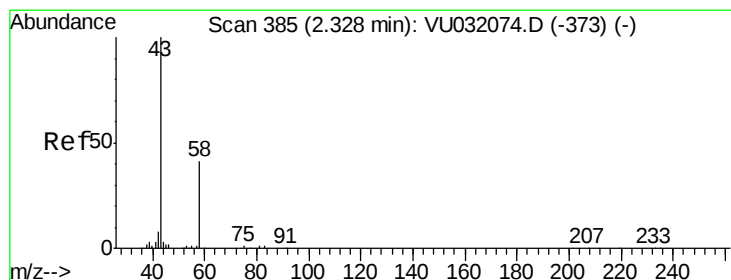
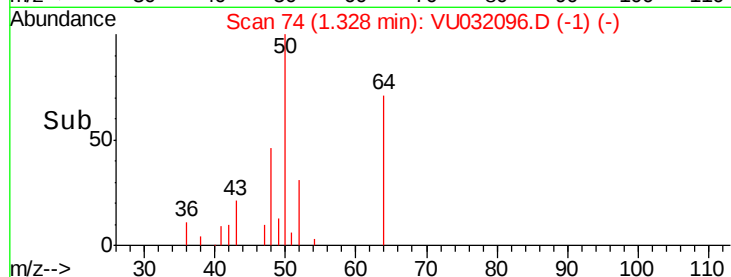
0

Time-->

1.25

1.30

1.35



#13

Acetone

Concen: 20.469 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VU032096.D

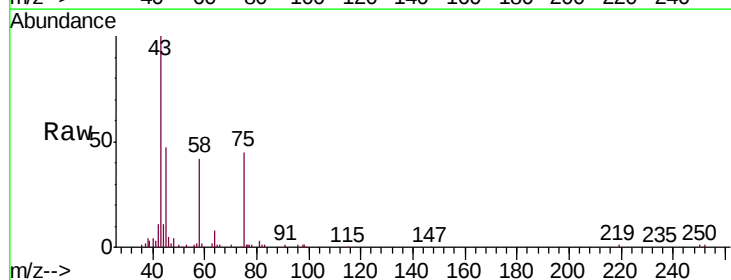
Acq: 17 May 2019 11:34

Tgt Ion: 43 Resp: 41244

Ion Ratio Lower Upper

43 100

58 42.3 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032074.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU032074.D (-373) (-)

2.32

25000

20000

15000

10000

5000

0

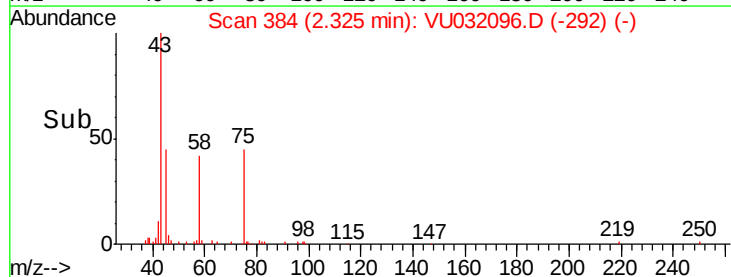
Time-->

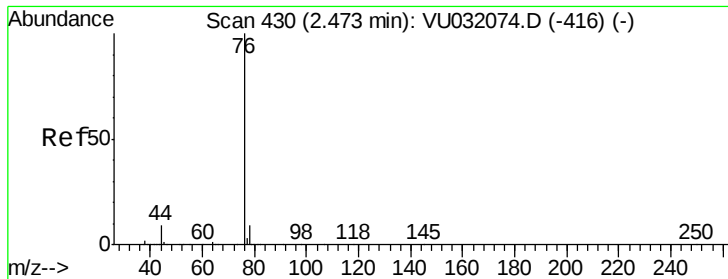
2.25

2.30

2.35

2.40





#14

Carbon disulfide

Concen: 0.146 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU032096.D

Acq: 17 May 2019 11:34

Instrument :

MSVOA\_U

ClientSampleId :

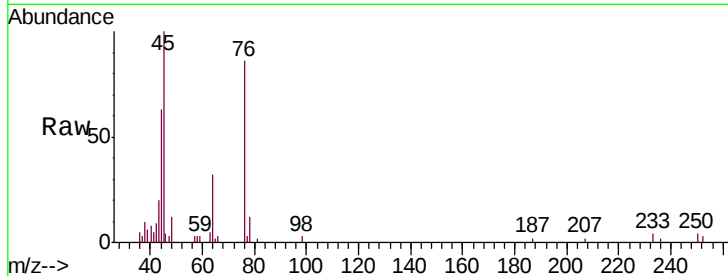
F9W46

Tgt Ion: 76 Resp: 6927

Ion Ratio Lower Upper

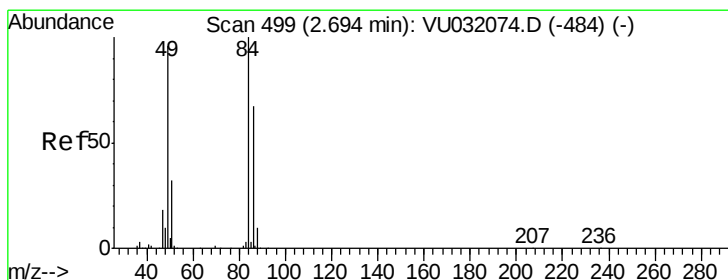
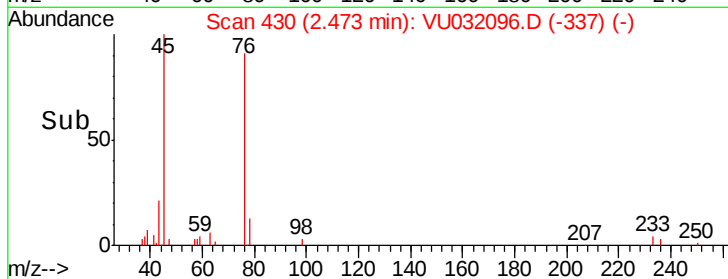
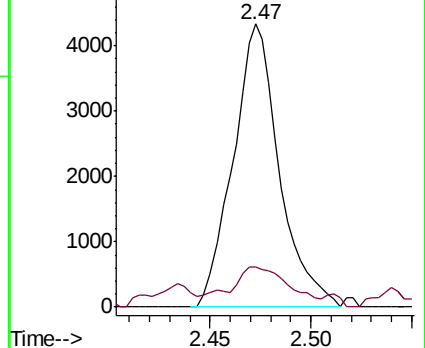
76 100

78 14.1 7.8 11.6#



Abundance Ion 76.05 (75.75 to 76.75): VU032074.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032074.D (-416) (-)



#16

Methylene chloride

Concen: 1.167 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU032096.D

Acq: 17 May 2019 11:34

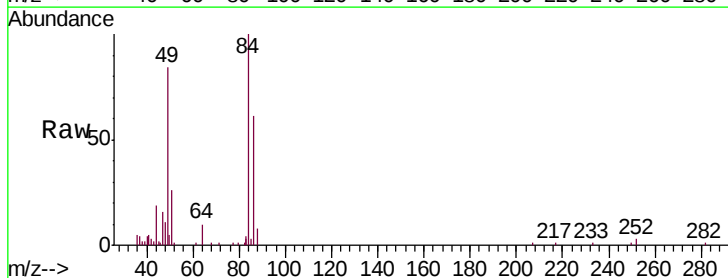
Tgt Ion: 84 Resp: 20756

Ion Ratio Lower Upper

84 100

86 61.1 43.1 80.1

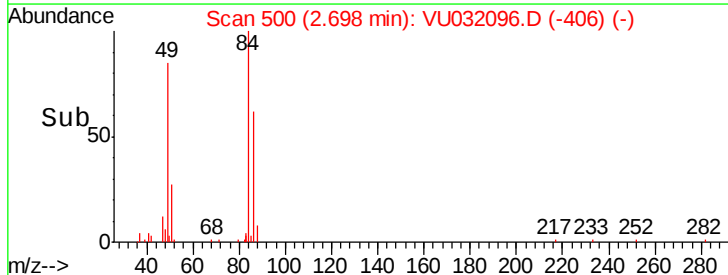
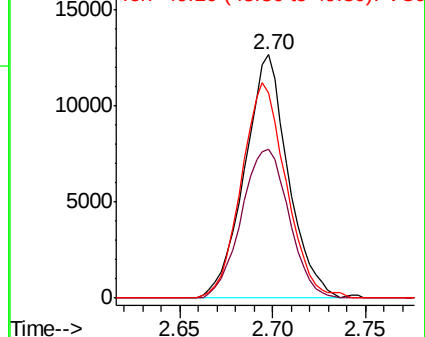
49 84.0 67.7 125.7

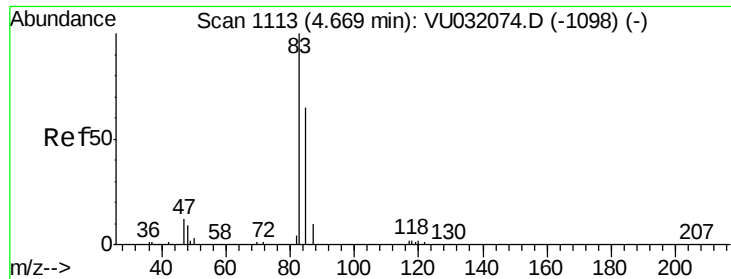


Abundance Ion 84.05 (83.75 to 84.75): VU032074.D (-484) (-)

Ion 86.00 (85.70 to 86.70): VU032074.D (-484) (-)

Ion 49.10 (48.80 to 49.80): VU032074.D (-484) (-)





#25

Chloroform

Concen: 5.388 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU032096.D

Acq: 17 May 2019 11:34

Instrument :

MSVOA\_U

ClientSampleId :

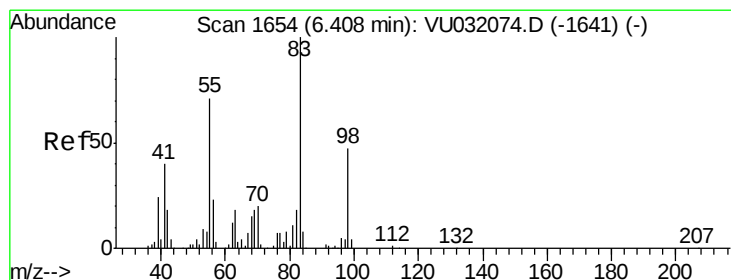
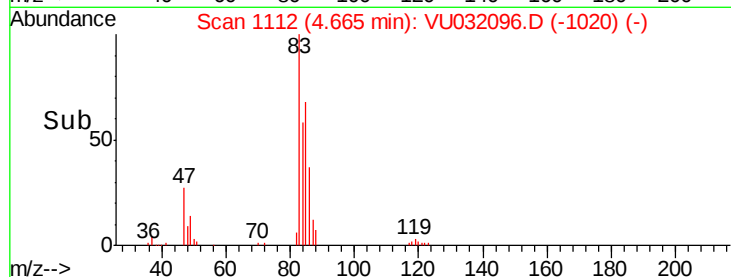
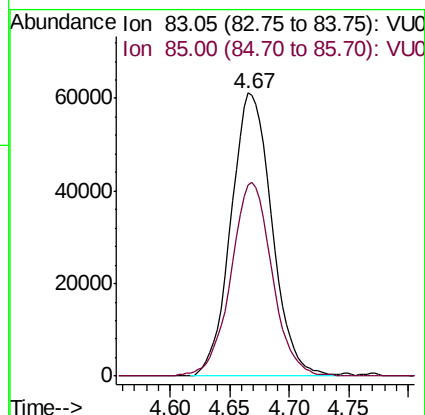
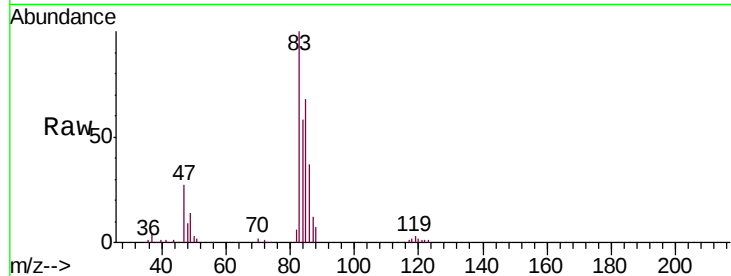
F9W46

Tgt Ion: 83 Resp: 145820

Ion Ratio Lower Upper

83 100

85 67.6 44.9 83.3



#35

Methylcyclohexane

Concen: 1.531 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032096.D

Acq: 17 May 2019 11:34

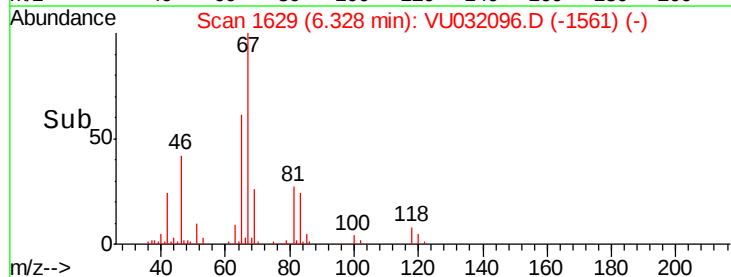
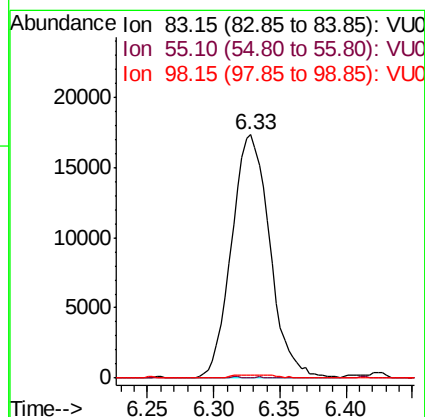
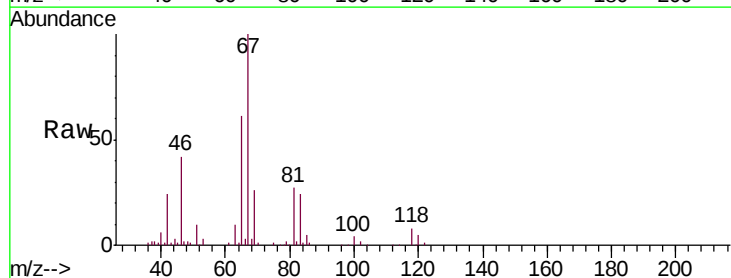
Tgt Ion: 83 Resp: 34837

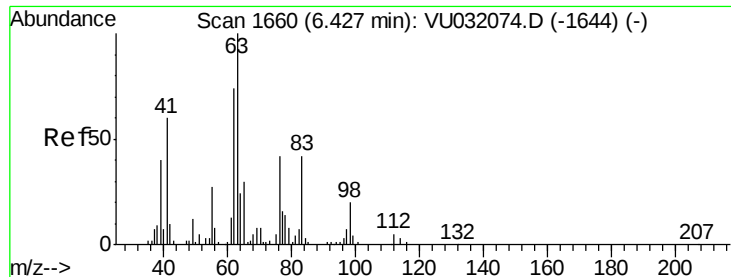
Ion Ratio Lower Upper

83 100

55 0.1 59.7 89.5#

98 0.9 36.8 55.2#





#37

1,2-Dichloropropane

Concen: 1.071 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032096.D

Acq: 17 May 2019 11:34

Instrument :

MSVOA\_U

ClientSampleId :

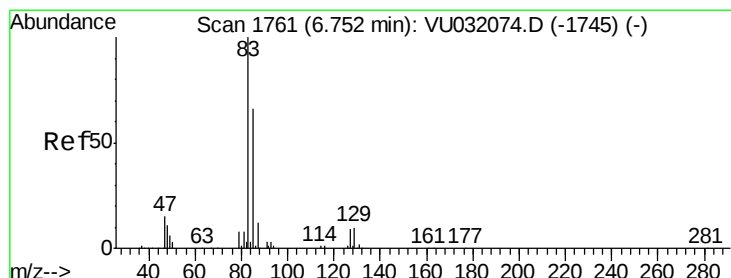
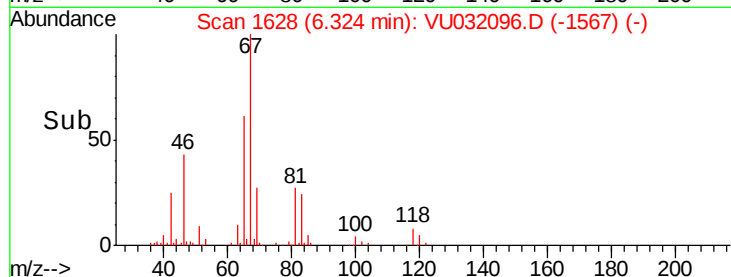
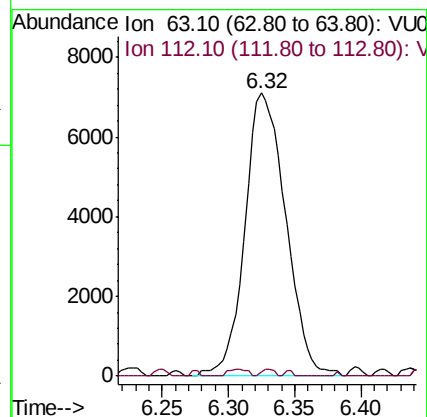
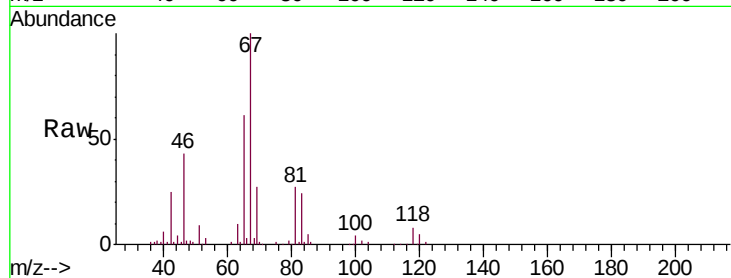
F9W46

Tgt Ion: 63 Resp: 15245

Ion Ratio Lower Upper

63 100

112 0.8 3.8 5.6#



#38

Bromodichloromethane

Concen: 2.647 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU032096.D

Acq: 17 May 2019 11:34

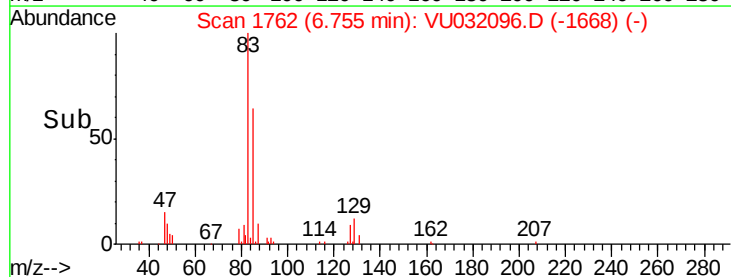
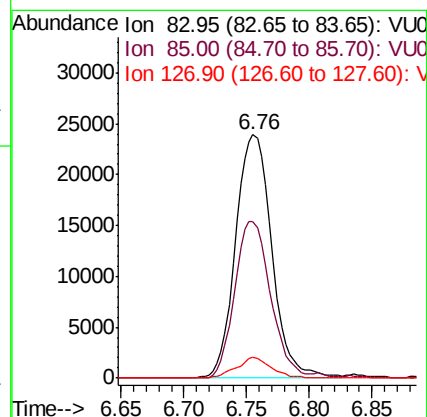
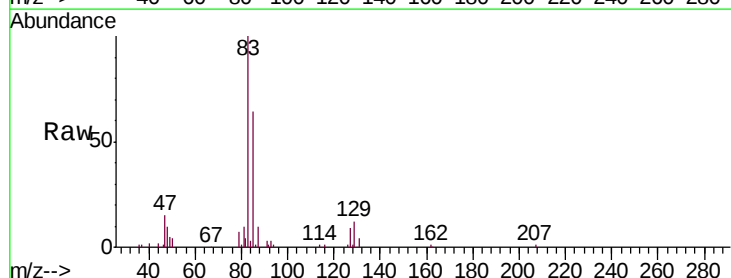
Tgt Ion: 83 Resp: 48207

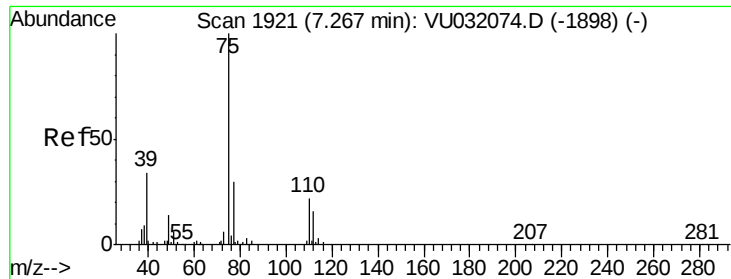
Ion Ratio Lower Upper

83 100

85 64.2 45.5 84.5

127 8.8 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 0.152 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.05 min

Lab File: VU032096.D

Acq: 17 May 2019 11:34

Instrument :

MSVOA\_U

ClientSampleId :

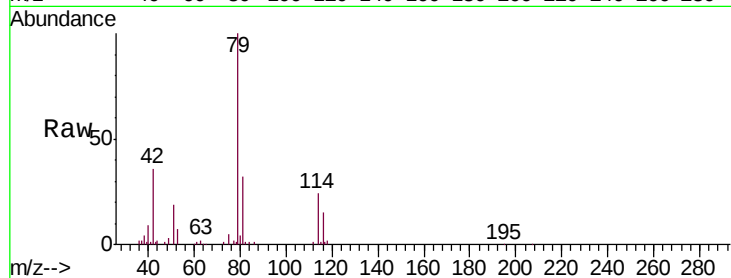
F9W46

Tgt Ion: 75 Resp: 2999

Ion Ratio Lower Upper

75 100

77 40.9 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.22

1500

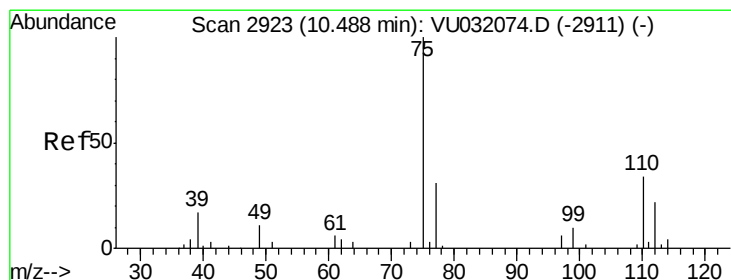
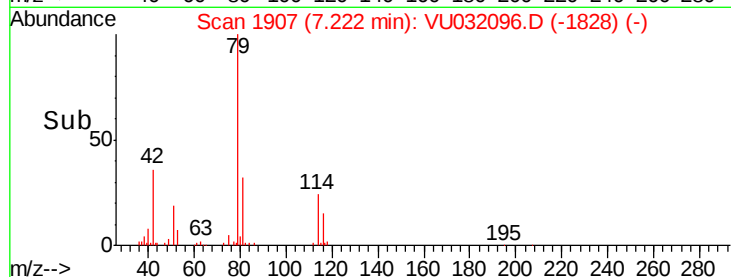
1000

500

0

7.20 7.25

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.196 ug/L

RT: 10.21 min Scan# 2837

Delta R.T. -0.28 min

Lab File: VU032096.D

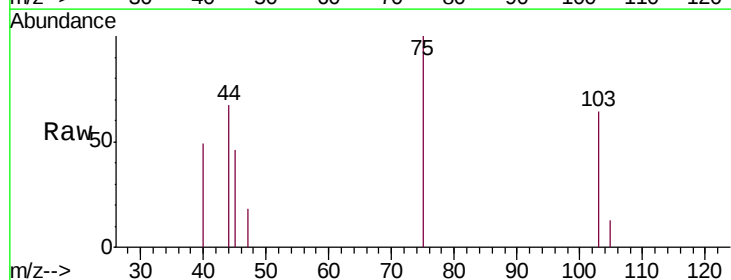
Acq: 17 May 2019 11:34

Tgt Ion: 75 Resp: 1773

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.21

1000

800

600

400

200

0

10.20 10.25

Time-->

