

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU061919\  
 Data File : VU032857.D  
 Acq On : 19 Jun 2019 14:47  
 Operator : JC/SP  
 Sample : K3413-23  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GALG9

Quant Time: Jun 20 05:18:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jun 20 05:14:15 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 88544    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 87063    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 45343    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 28351    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 23710    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 45556    | 3.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 78.00%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 97046    | 60.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 120.80% |
| 24) Chloroform-d               | 4.64   | 84    | 57938    | 5.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 111.20% |
| 26) 1,2-Dichloroethane-d4      | 5.30   | 65    | 33819    | 6.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 125.60% |
| 32) Benzene-d6                 | 5.33   | 84    | 111487   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.00% |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 36893    | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.60% |
| 41) Toluene-d8                 | 7.56   | 98    | 101451   | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.40% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 14942    | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 104.80% |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 73495    | 51.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.90% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 31767    | 5.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 113.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 43857    | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.60% |

## Target Compounds

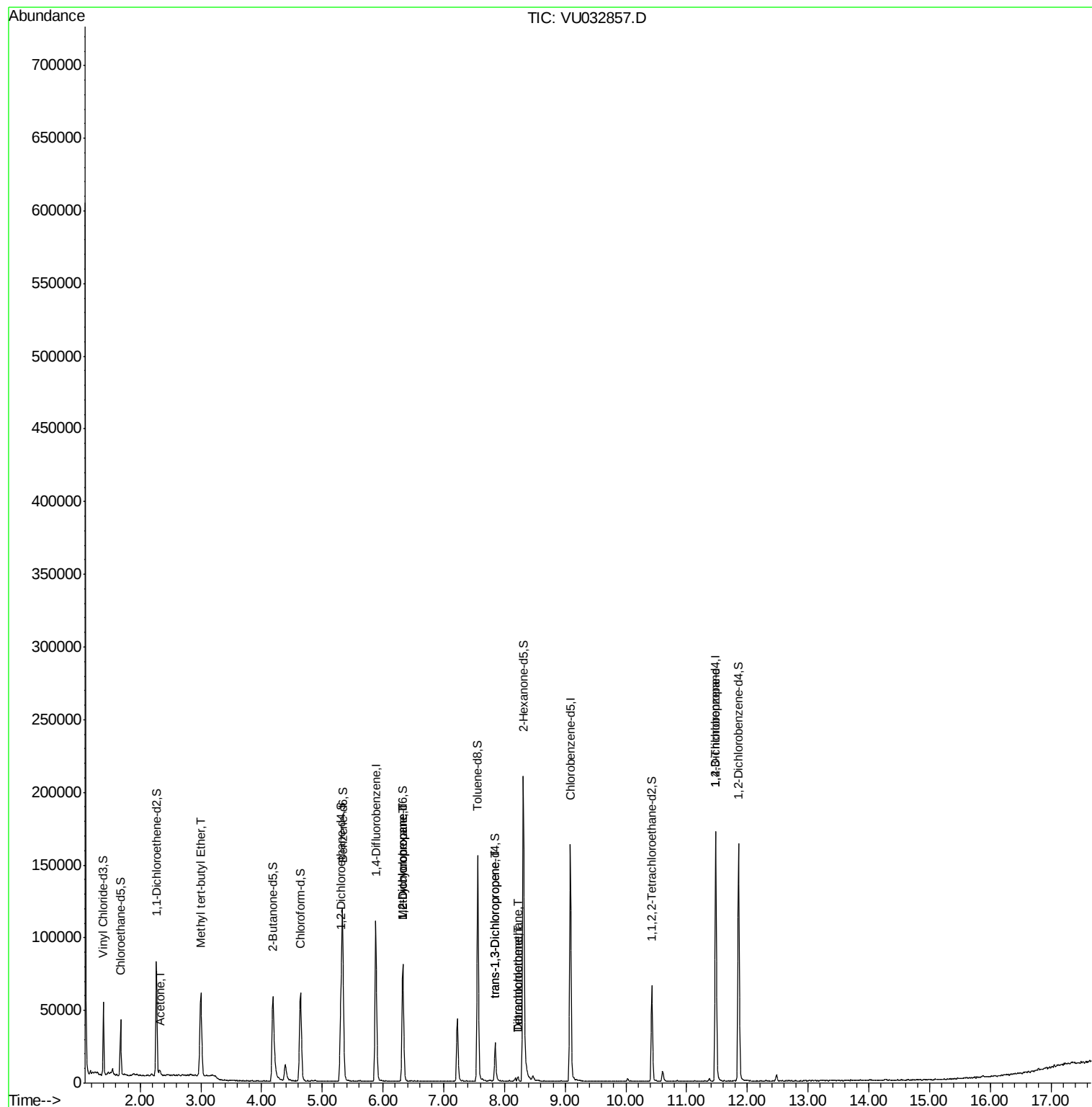
|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                   | 2.32  | 43  | 3543  | 2.841 ug/L   | 94     |
| 17) Methyl tert-butyl Ether   | 3.00  | 73  | 55797 | 3.391 ug/L   | 98     |
| 35) Methylcyclohexane         | 6.33  | 83  | 8042  | 0.677 ug/L # | 19     |
| 37) 1,2-Dichloropropane       | 6.32  | 63  | 4596  | 0.692 ug/L # | 89     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75  | 699   | 0.086 ug/L # | 79     |
| 47) Tetrachloroethene         | 8.22  | 164 | 676   | 0.116 ug/L   | 83     |
| 49) Dibromochloromethane      | 8.22  | 129 | 618   | 0.100 ug/L # | 11     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75  | 5756  | 1.320 ug/L   | 89     |

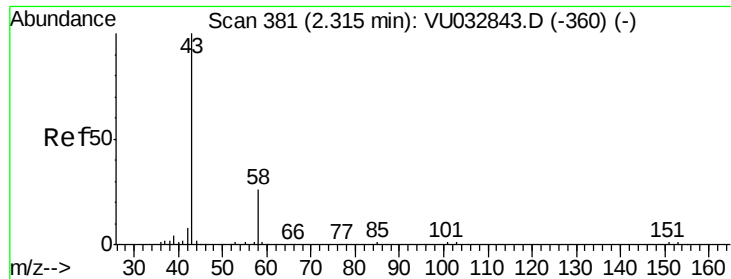
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 20 05:14:15 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 2.841 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032857.D

Acq: 19 Jun 2019 14:47

Instrument :

MSVOA\_U

ClientSampleId :

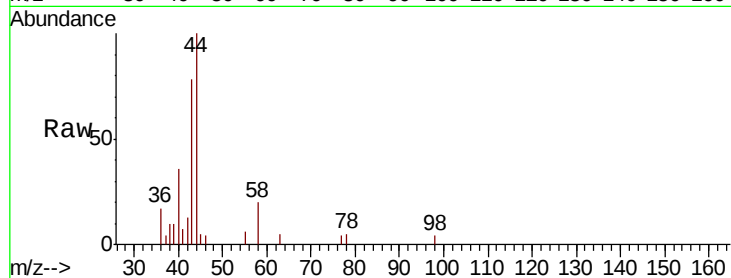
GALG9

Tgt Ion: 43 Resp: 3543

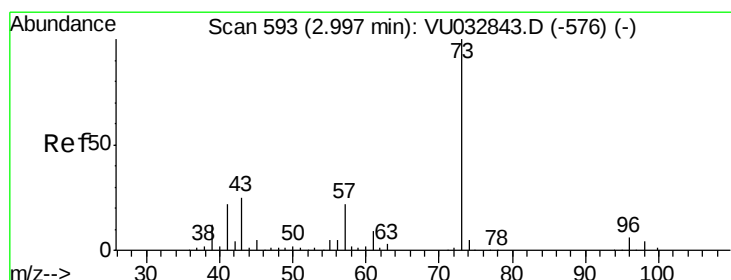
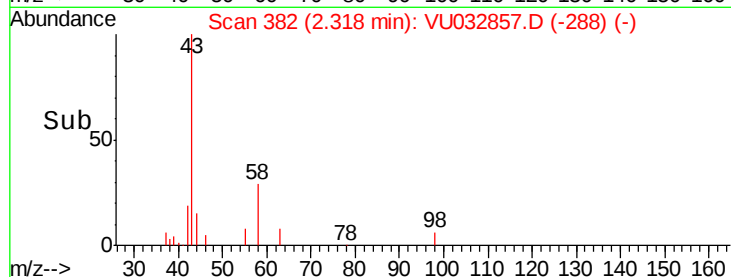
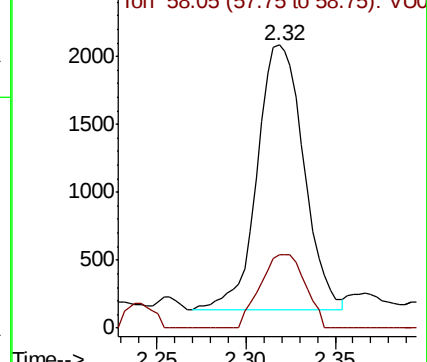
Ion Ratio Lower Upper

43 100

58 27.0 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU032857.D (-288) (-)



#17

Methyl tert-butyl Ether

Concen: 3.391 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU032857.D

Acq: 19 Jun 2019 14:47

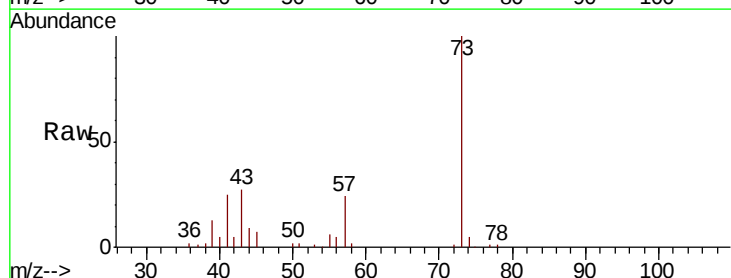
Tgt Ion: 73 Resp: 55797

Ion Ratio Lower Upper

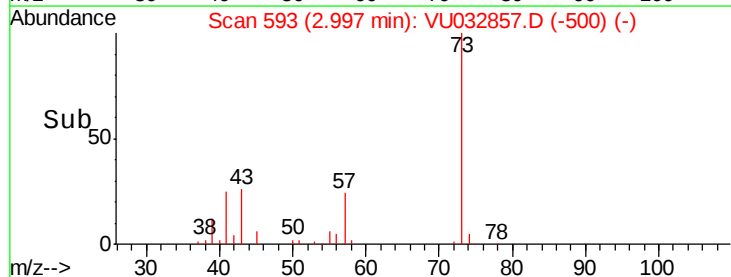
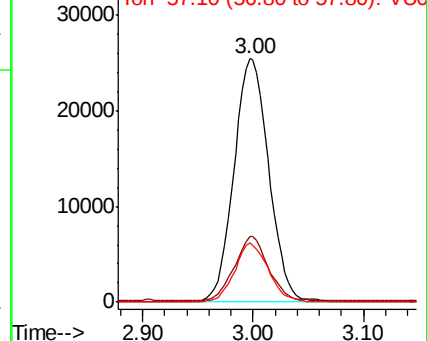
73 100

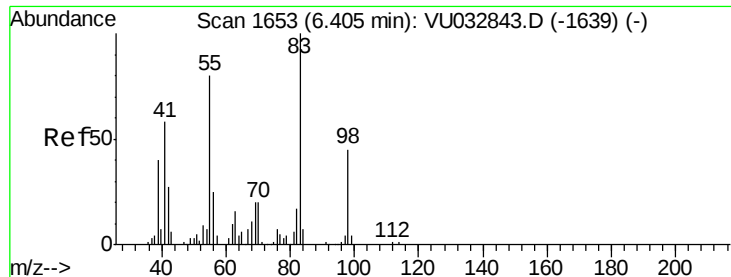
43 24.9 18.6 27.8

57 23.5 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU032857.D (-500) (-)





#35

Methylcyclohexane

Concen: 0.677 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032857.D

Acq: 19 Jun 2019 14:47

Instrument :

MSVOA\_U

ClientSampled :

GALG9

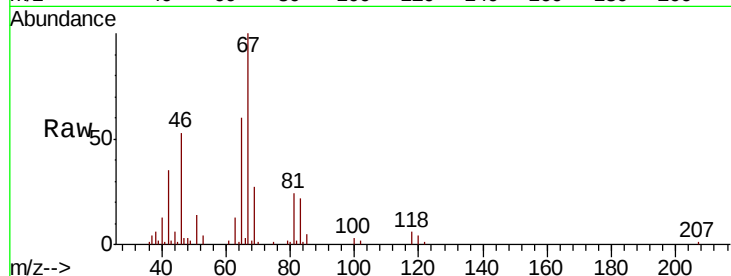
Tgt Ion: 83 Resp: 8042

Ion Ratio Lower Upper

83 100

55 0.0 60.0 90.0#

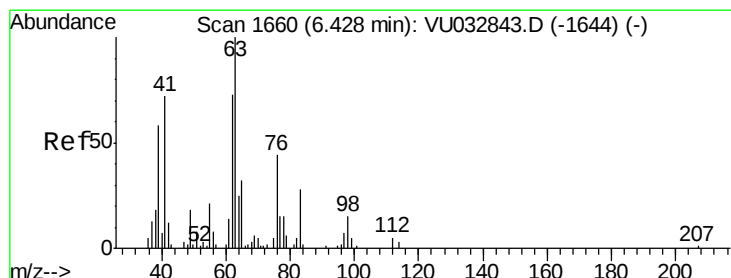
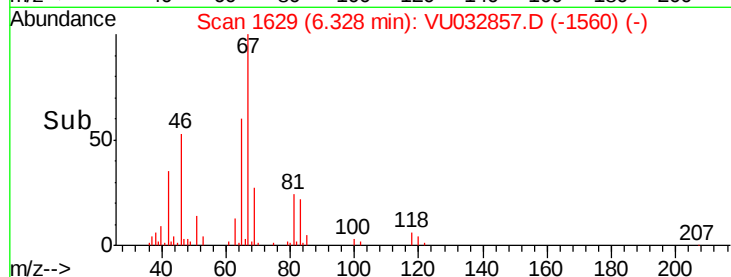
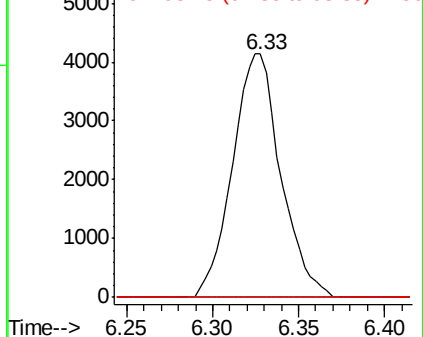
98 0.0 37.8 56.8#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.692 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU032857.D

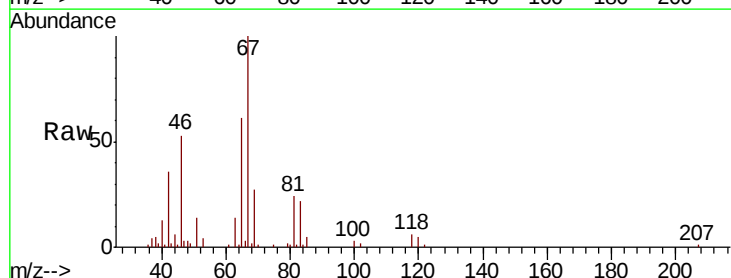
Acq: 19 Jun 2019 14:47

Tgt Ion: 63 Resp: 4596

Ion Ratio Lower Upper

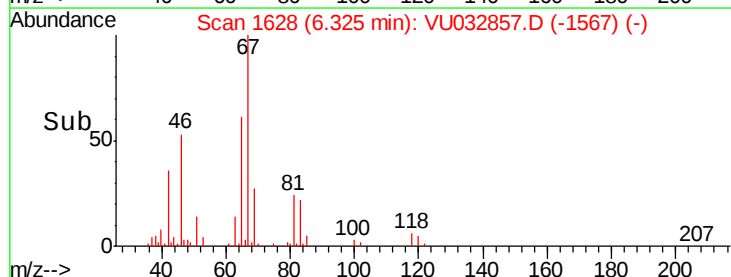
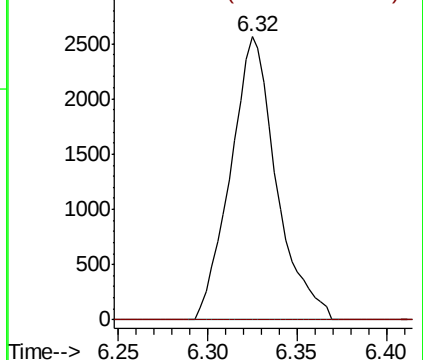
63 100

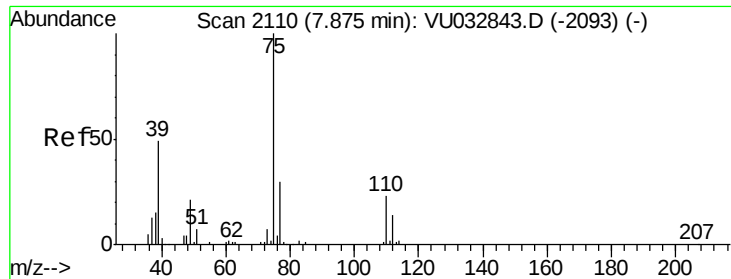
112 0.0 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU032857.D

Acq: 19 Jun 2019 14:47

Instrument :

MSVOA\_U

ClientSampleId :

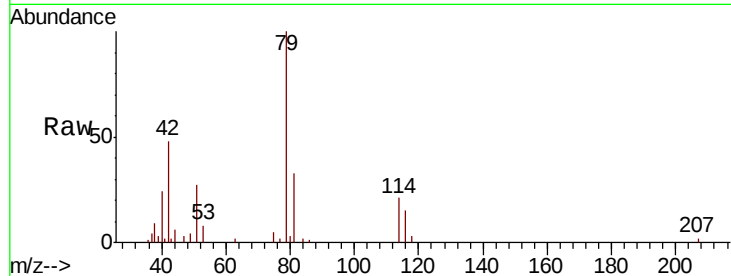
GALG9

Tgt Ion: 75 Resp: 699

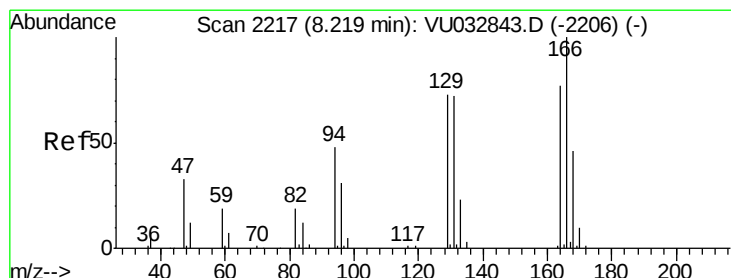
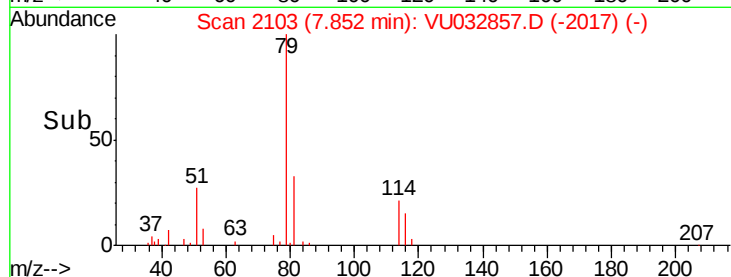
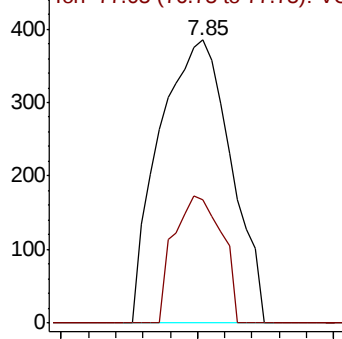
Ion Ratio Lower Upper

75 100

77 43.6 22.5 41.7#



Abundance Ion 75.05 (74.75 to 75.75): VU032843.D (-2093) (-)



#47

Tetrachloroethene

Concen: 0.116 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032857.D

Acq: 19 Jun 2019 14:47

Tgt Ion: 164 Resp: 676

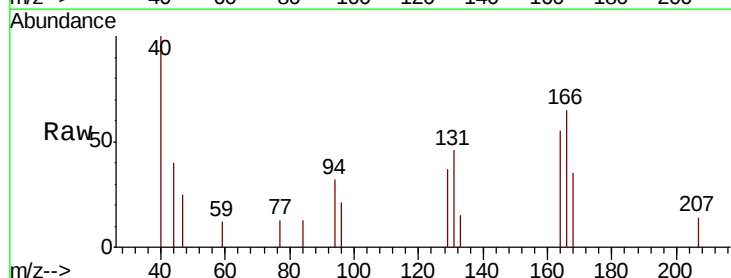
Ion Ratio Lower Upper

164 100

129 66.5 66.1 122.7

131 83.3 65.6 121.8

166 118.0 93.2 173.2

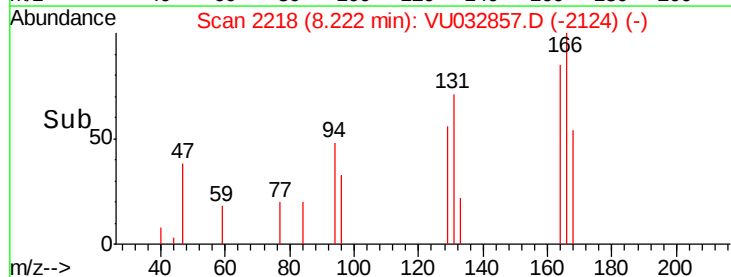
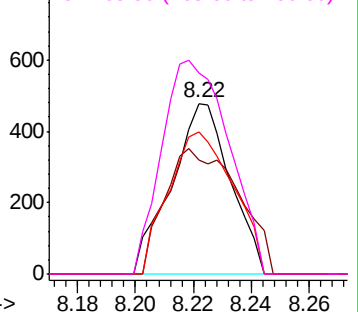


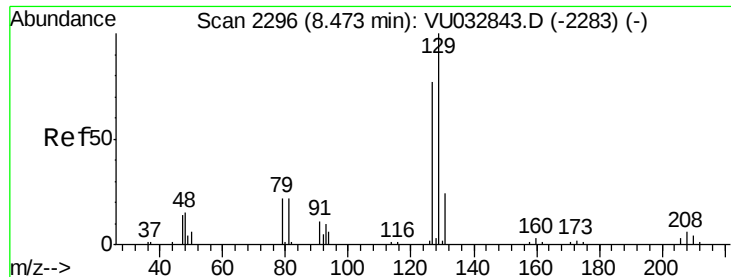
Abundance Ion 163.90 (163.60 to 164.60): VU032843.D (-2206) (-)

Ion 128.95 (128.65 to 129.65): VU032843.D (-2206) (-)

Ion 130.95 (130.65 to 131.65): VU032843.D (-2206) (-)

Ion 165.90 (165.60 to 166.60): VU032843.D (-2206) (-)





#49

Dibromochloromethane

Concen: 0.100 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.25 min

Lab File: VU032857.D

Acq: 19 Jun 2019 14:47

Instrument :

MSVOA\_U

ClientSampleId :

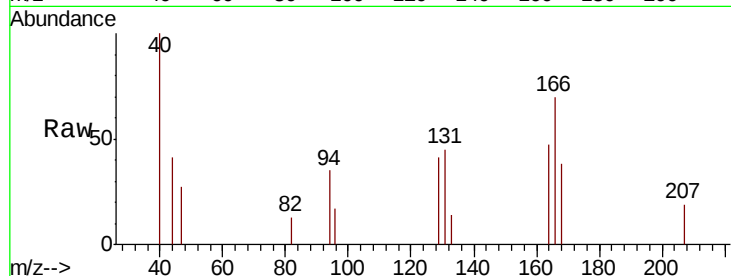
GALG9

Tgt Ion: 129 Resp: 618

Ion Ratio Lower Upper

129 100

127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

400

300

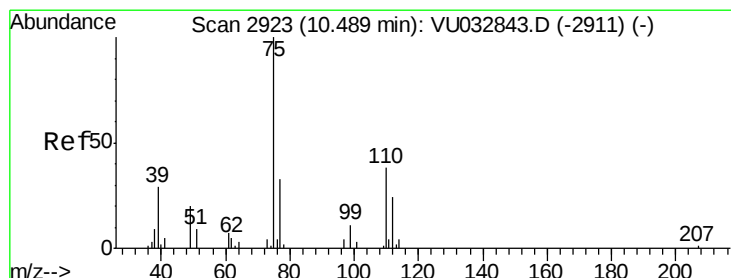
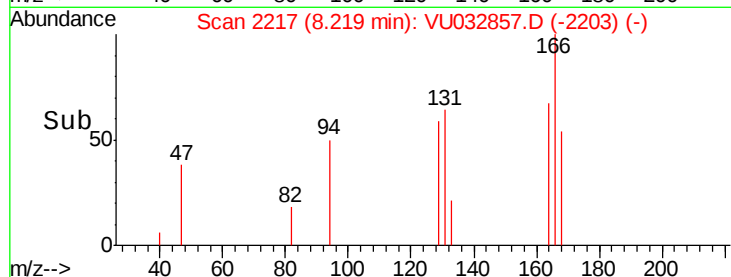
200

100

0

8.18 8.20 8.22 8.24 8.26

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.320 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032857.D

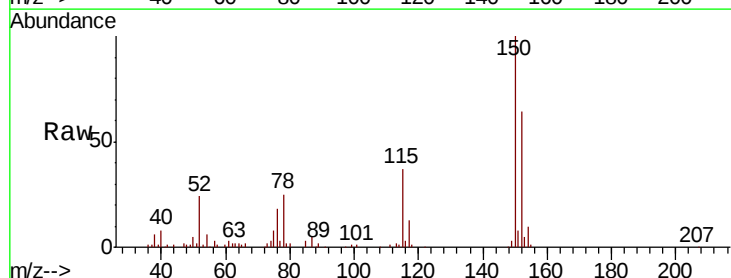
Acq: 19 Jun 2019 14:47

Tgt Ion: 75 Resp: 5756

Ion Ratio Lower Upper

75 100

77 37.6 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

4000

3000

2000

1000

0

11.45 11.50

Time-->

