

Data File : VU033151.D  
Acq On : 02 Jul 2019 19:23  
Operator : JC/SP  
Sample : K3598-01DL 5X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAM79DL

Quant Time: Jul 03 02:19:52 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 03 02:14:33 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 77461    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 79694    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 36167    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 34339    | 7.66     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 153.20%# |
| 7) Chloroethane-d5             | 1.67   | 69    | 27685    | 6.75     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 135.00%# |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 50222    | 4.75     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 95.00%   |
| 20) 2-Butanone-d5              | 4.19   | 46    | 92317    | 56.55    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 113.10%  |
| 24) Chloroform-d               | 4.64   | 84    | 60754    | 5.78     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 115.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 36572    | 6.02     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 120.40%  |
| 32) Benzene-d6                 | 5.33   | 84    | 114686   | 6.00     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 120.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 37560    | 5.90     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 118.00%  |
| 41) Toluene-d8                 | 7.56   | 98    | 99964    | 5.43     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.60%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 13539    | 4.94     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.80%   |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 56997    | 50.53    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.06%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 30771    | 5.51     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 110.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 38615    | 5.93     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 118.60%  |

#### Target Compounds

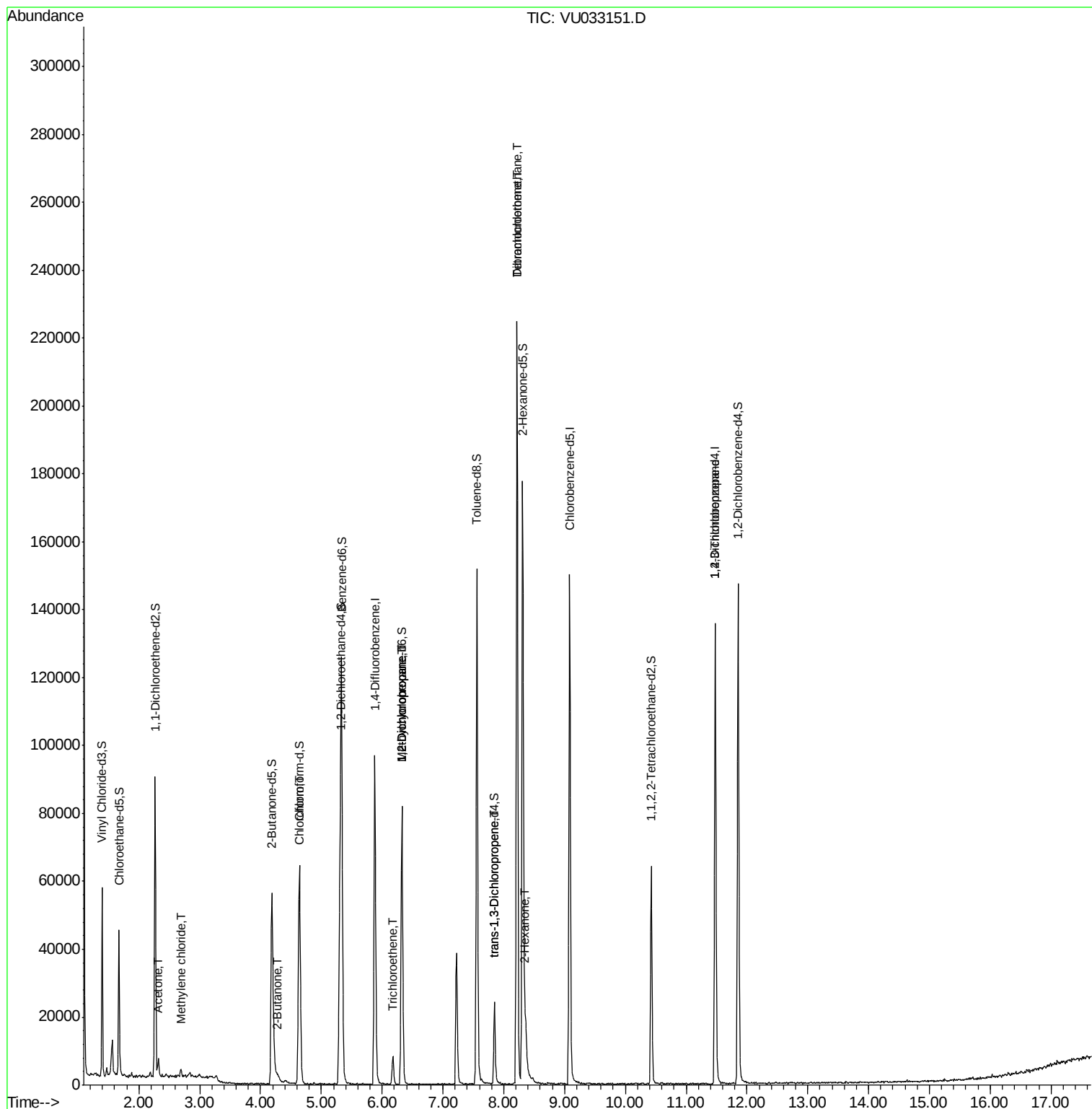
|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                   | 2.32  | 43  | 5055  | 3.852 ug/L   | 91     |
| 16) Methylene chloride        | 2.69  | 84  | 805   | 0.135 ug/L   | 97     |
| 21) 2-Butanone                | 4.29  | 43  | 1992  | 1.049 ug/L   | 82     |
| 25) Chloroform                | 4.66  | 83  | 1630  | 0.132 ug/L   | 84     |
| 34) Trichloroethene           | 6.18  | 95  | 2255  | 0.352 ug/L   | 94     |
| 35) Methylcyclohexane         | 6.32  | 83  | 8688  | 0.912 ug/L # | 17     |
| 37) 1,2-Dichloropropane       | 6.32  | 63  | 4674  | 0.723 ug/L # | 88     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75  | 647   | 0.085 ug/L # | 74     |
| 47) Tetrachloroethene         | 8.22  | 164 | 47868 | 8.994 ug/L   | 96     |
| 48) 2-Hexanone                | 8.36  | 43  | 7992  | 2.456 ug/L # | 95     |
| 49) Dibromochloromethane      | 8.22  | 129 | 45174 | 7.971 ug/L # | 13     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75  | 4809  | 1.094 ug/L   | 96     |

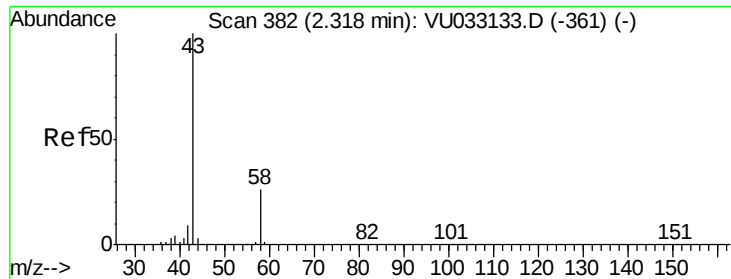
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 03 02:14:33 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 3.852 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU033151.D

Acq: 02 Jul 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

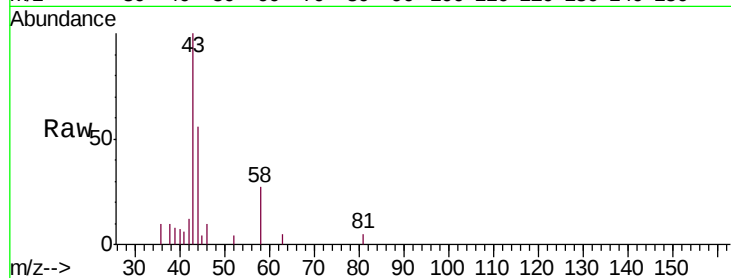
GAM79DL

Tgt Ion: 43 Resp: 5055

Ion Ratio Lower Upper

43 100

58 22.8 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU033151.D (-289) (-)

Ion 58.05 (57.75 to 58.75): VU033151.D (-289) (-)

2.32

3000

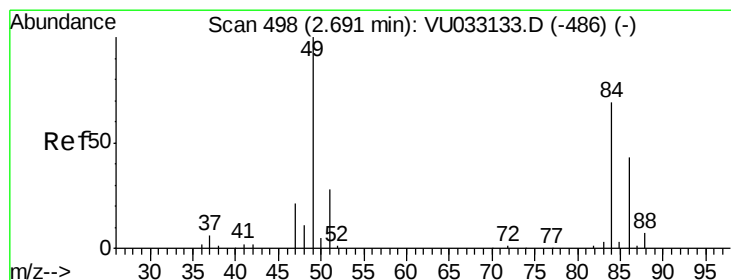
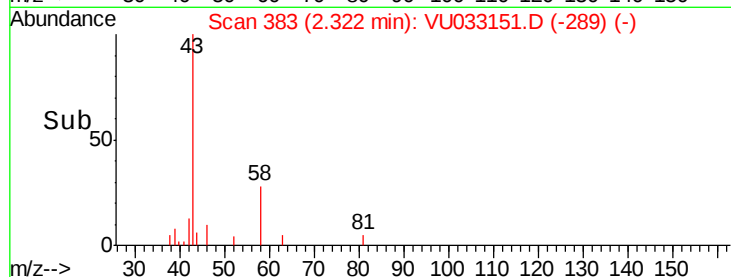
2000

1000

0

Time-->

2.25 2.30 2.35 2.40



#16

Methylene chloride

Concen: 0.135 ug/L

RT: 2.69 min Scan# 497

Delta R.T. -0.00 min

Lab File: VU033151.D

Acq: 02 Jul 2019 19:23

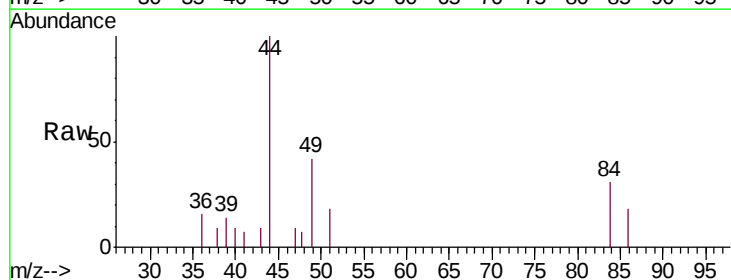
Tgt Ion: 84 Resp: 805

Ion Ratio Lower Upper

84 100

86 59.6 42.8 79.6

49 138.4 99.5 184.9



Abundance Ion 84.05 (83.75 to 84.75): VU033151.D (-405) (-)

Ion 86.00 (85.70 to 86.70): VU033151.D (-405) (-)

Ion 49.10 (48.80 to 49.80): VU033151.D (-405) (-)

2.69

800

600

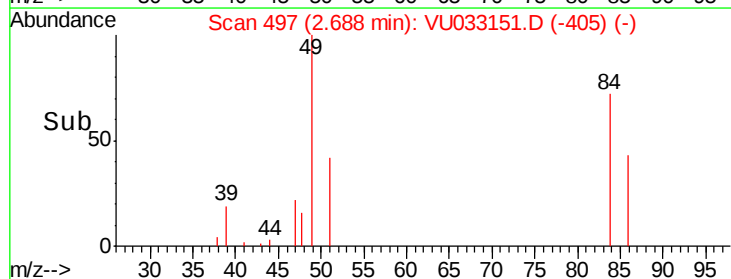
400

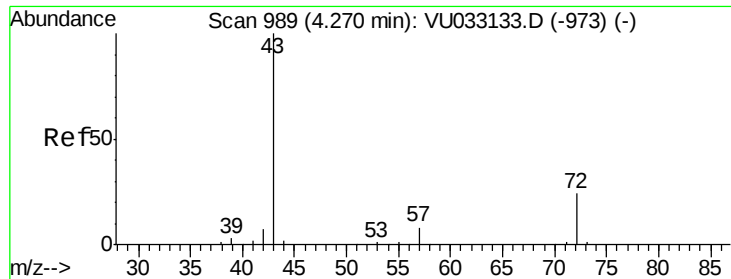
200

0

Time-->

2.64 2.66 2.68 2.70 2.72





#21

2-Butanone

Concen: 1.049 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.02 min

Lab File: VU033151.D

Acq: 02 Jul 2019 19:23

Instrument :

MSVOA\_U

ClientSampled :

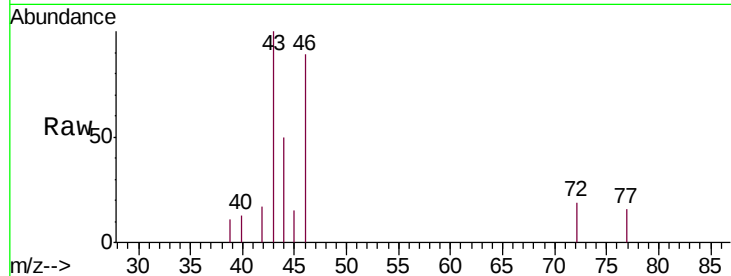
GAM79DL

Tgt Ion: 43 Resp: 1992

Ion Ratio Lower Upper

43 100

72 15.1 12.1 36.3



Abundance Ion 43.05 (42.75 to 43.75): VU033133.D (-973) (-)

Ion 72.10 (71.80 to 72.80): VU033133.D (-973) (-)

4.29

800

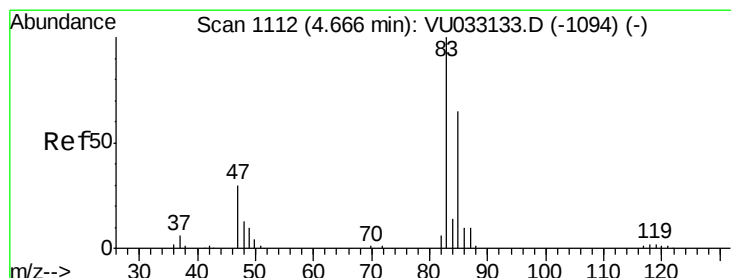
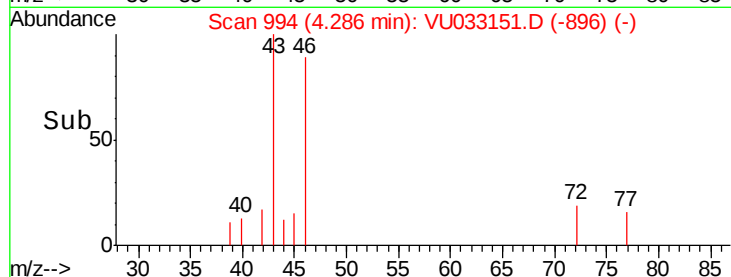
600

400

200

0

Time-->



#25

Chloroform

Concen: 0.132 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VU033151.D

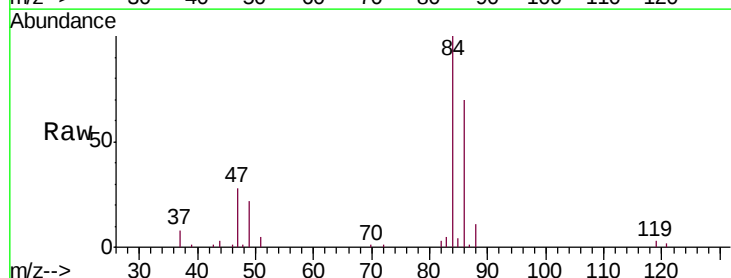
Acq: 02 Jul 2019 19:23

Tgt Ion: 83 Resp: 1630

Ion Ratio Lower Upper

83 100

85 79.7 46.6 86.6



Abundance Ion 83.05 (82.75 to 83.75): VU033133.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU033133.D (-1094) (-)

4.66

800

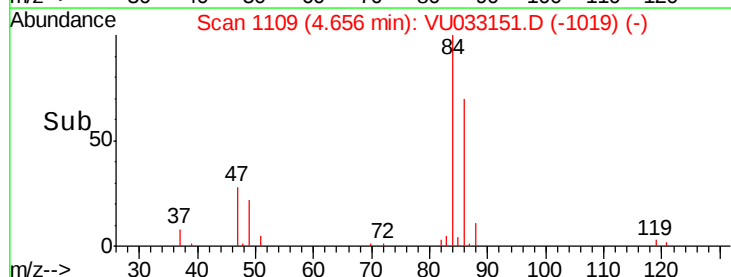
600

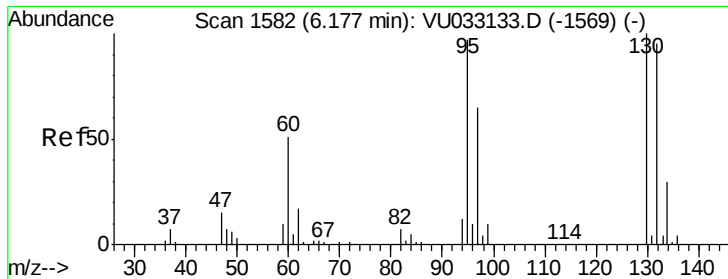
400

200

0

Time-->

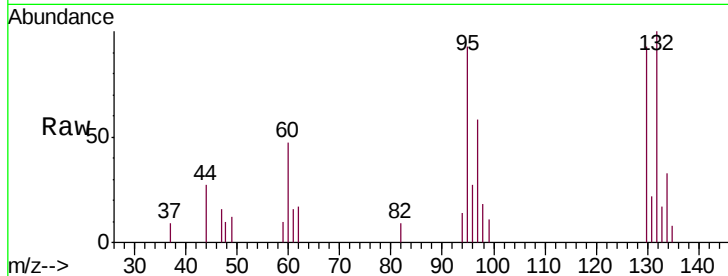




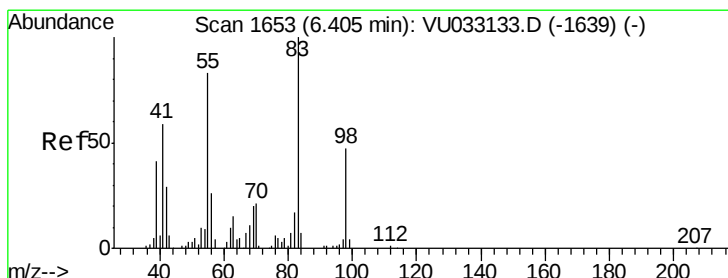
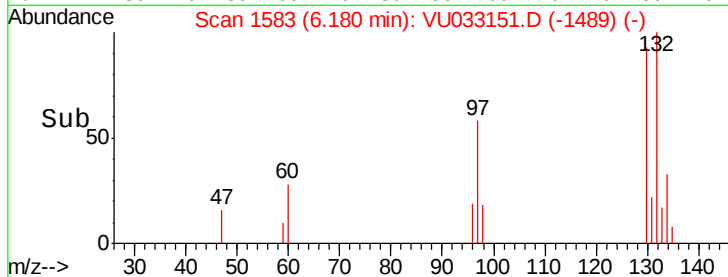
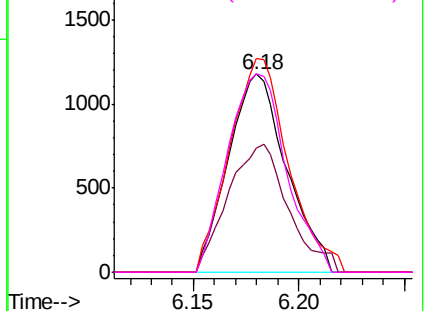
#34  
 Trichloroethene  
 Concen: 0.352 ug/L  
 RT: 6.18 min Scan# 1583  
 Delta R.T. 0.00 min  
 Lab File: VU033151.D  
 Acq: 02 Jul 2019 19:23

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAM79DL

Tgt Ion: 95 Resp: 2255  
 Ion Ratio Lower Upper  
 95 100  
 97 62.4 42.8 79.4  
 132 107.8 64.6 120.0  
 130 100.3 70.0 130.0

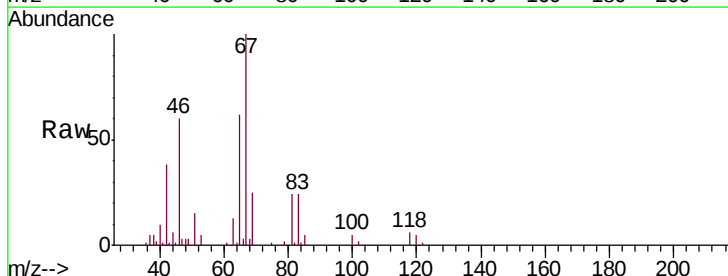


Abundance Ion 95.00 (94.70 to 95.70): VU0  
 Ion 96.95 (96.65 to 97.65): VU0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V

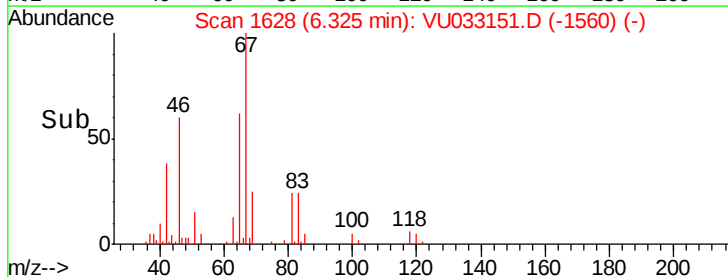
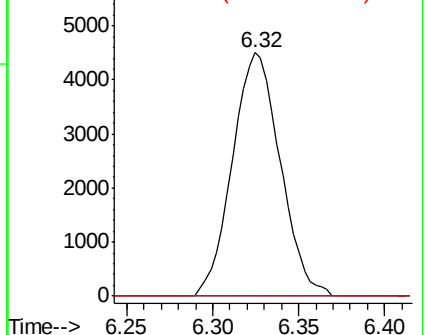


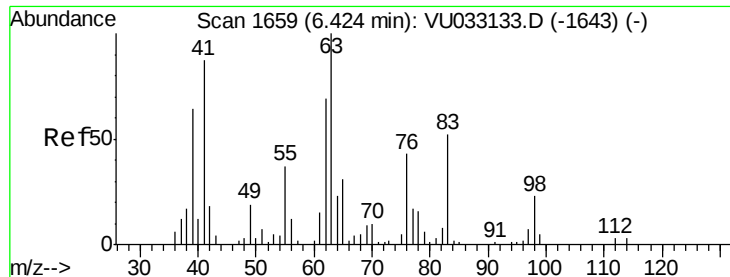
#35  
 Methylcyclohexane  
 Concen: 0.912 ug/L  
 RT: 6.32 min Scan# 1628  
 Delta R.T. -0.08 min  
 Lab File: VU033151.D  
 Acq: 02 Jul 2019 19:23

Tgt Ion: 83 Resp: 8688  
 Ion Ratio Lower Upper  
 83 100  
 55 0.0 66.5 99.7#  
 98 2.2 37.1 55.7#



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

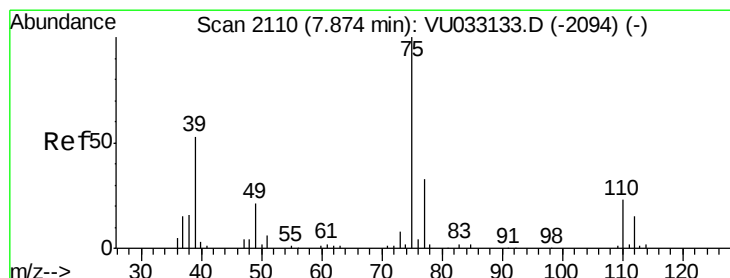
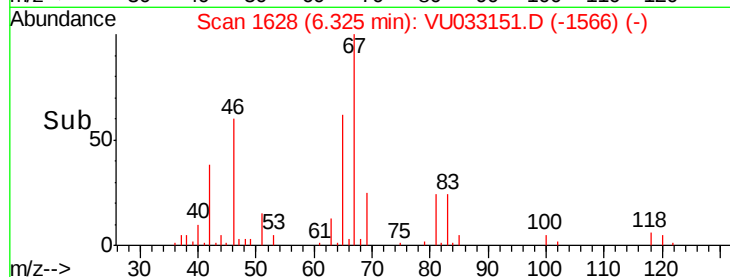
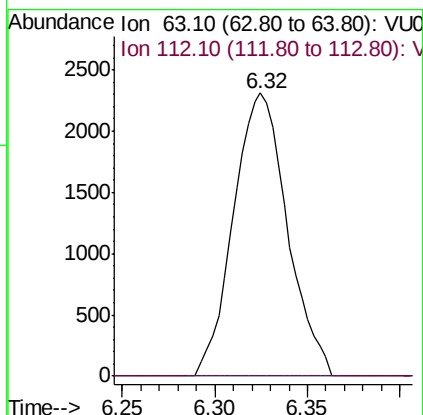
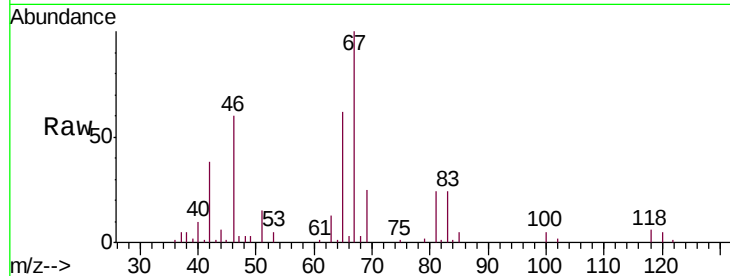




#37  
 1,2-Dichloropropane  
 Concen: 0.723 ug/L  
 RT: 6.32 min Scan# 1628  
 Delta R.T. -0.10 min  
 Lab File: VU033151.D  
 Acq: 02 Jul 2019 19:23

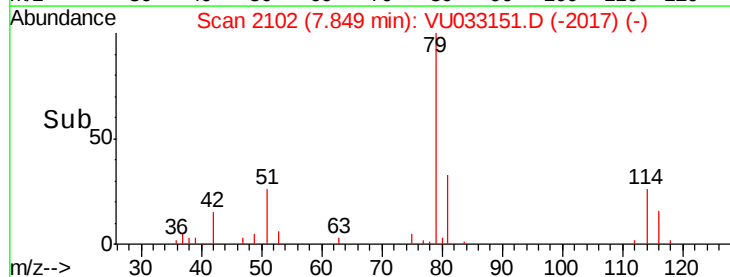
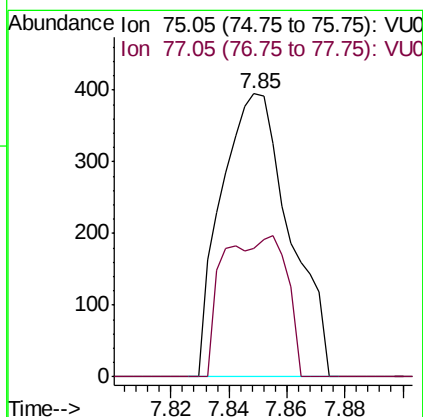
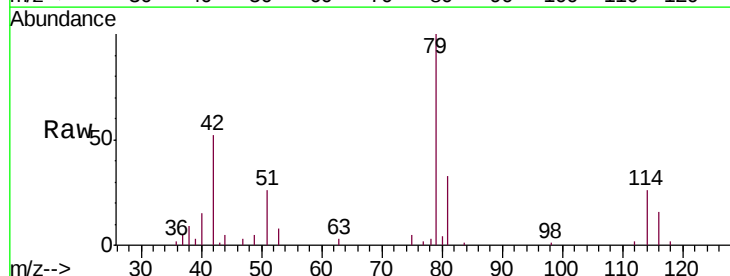
Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 GAM79DL

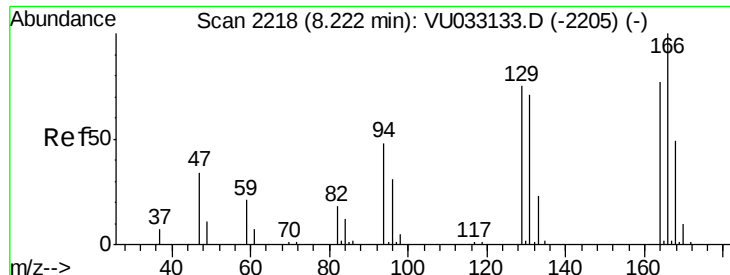
Tgt Ion: 63 Resp: 4674  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.0 4.6#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.085 ug/L  
 RT: 7.85 min Scan# 2102  
 Delta R.T. -0.03 min  
 Lab File: VU033151.D  
 Acq: 02 Jul 2019 19:23

Tgt Ion: 75 Resp: 647  
 Ion Ratio Lower Upper  
 75 100  
 77 45.3 21.6 40.2#

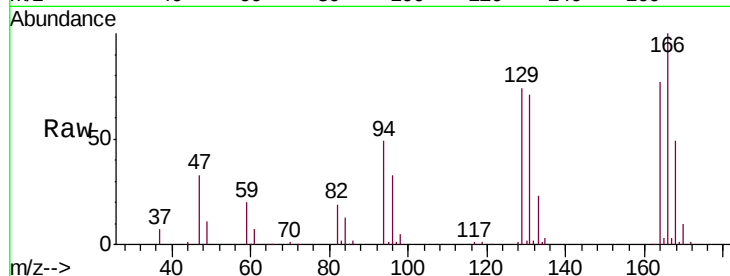




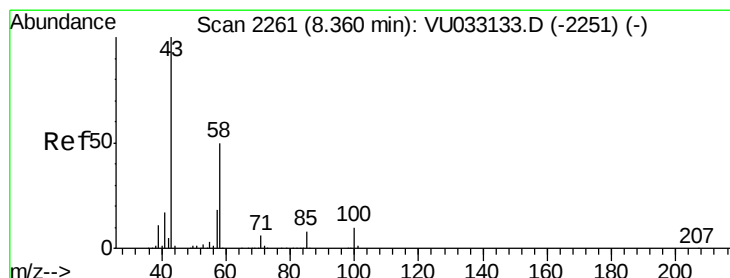
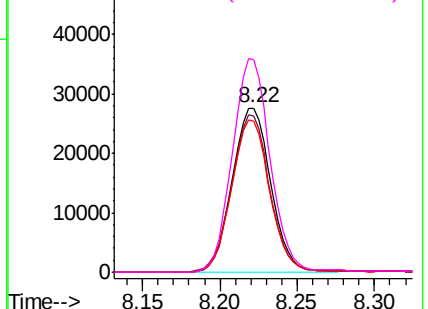
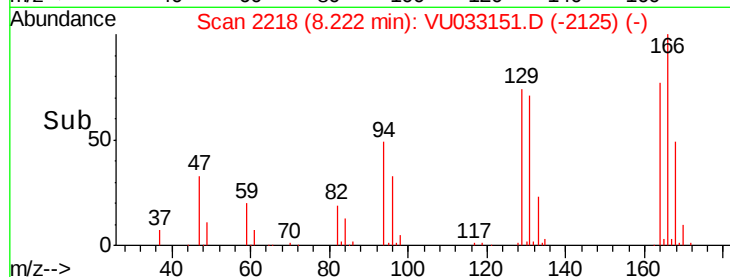
#47  
Tetrachloroethene  
Concen: 8.994 ug/L  
RT: 8.22 min Scan# 2218  
Delta R.T. -0.00 min  
Lab File: VU033151.D  
Acq: 02 Jul 2019 19:23

Instrument :  
MSVOA\_U  
ClientSampleId :  
GAM79DL

Tgt Ion:164 Resp: 47868  
Ion Ratio Lower Upper  
164 100  
129 95.3 65.3 121.3  
131 91.8 60.3 112.1  
166 129.5 86.9 161.3

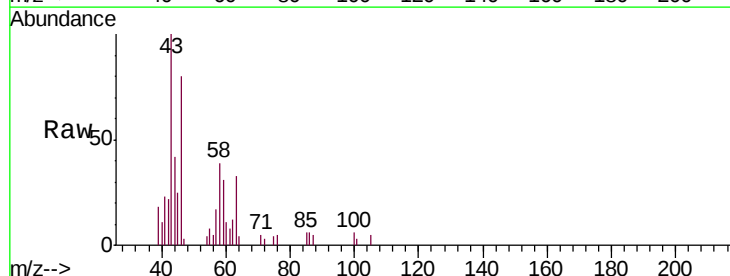


Abundance Ion 163.90 (163.60 to 164.60): V  
Ion 128.95 (128.65 to 129.65): V  
Ion 130.95 (130.65 to 131.65): V  
Ion 165.90 (165.60 to 166.60): V

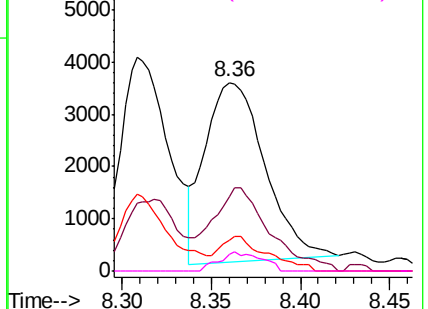
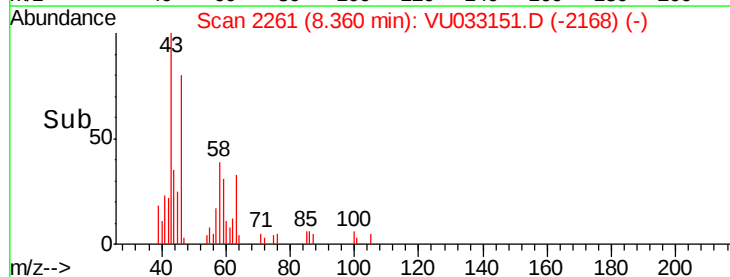


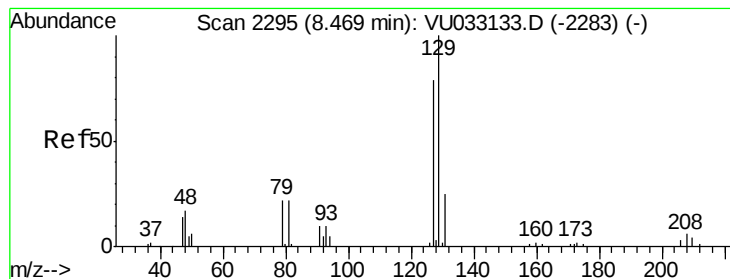
#48  
2-Hexanone  
Concen: 2.456 ug/L  
RT: 8.36 min Scan# 2261  
Delta R.T. -0.00 min  
Lab File: VU033151.D  
Acq: 02 Jul 2019 19:23

Tgt Ion: 43 Resp: 7992  
Ion Ratio Lower Upper  
43 100  
58 45.8 39.0 58.6  
57 15.5 13.9 20.9  
100 7.3 8.6 12.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0  
Ion 58.05 (57.75 to 58.75): VU0  
Ion 57.20 (56.90 to 57.90): VU0  
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 7.971 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.25 min

Lab File: VU033151.D

Acq: 02 Jul 2019 19:23

Instrument :

MSVOA\_U

ClientSampleId :

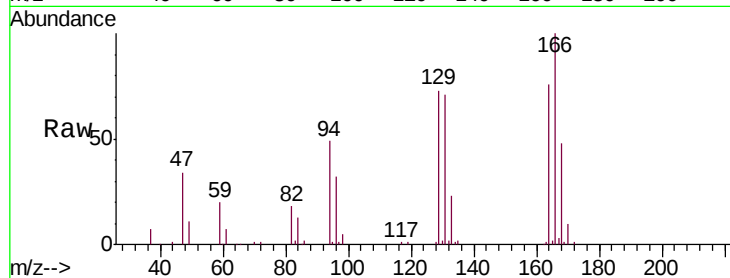
GAM79DL

Tgt Ion:129 Resp: 45174

Ion Ratio Lower Upper

129 100

127 0.0 51.6 95.8#

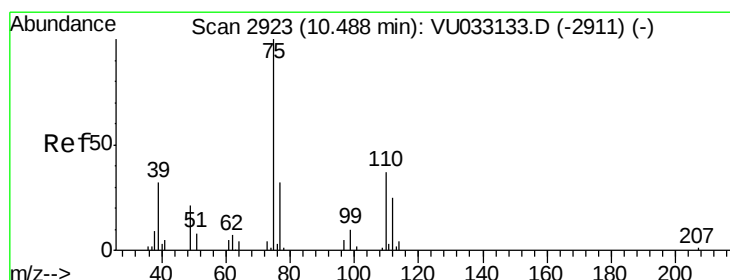
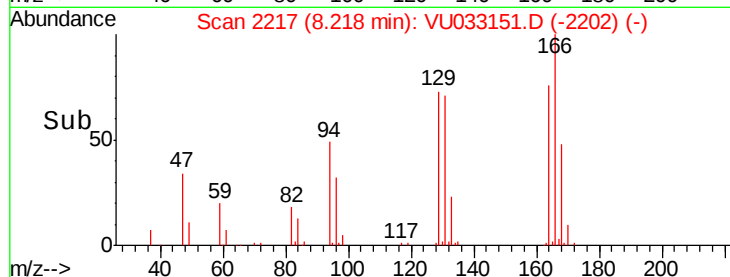


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.094 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU033151.D

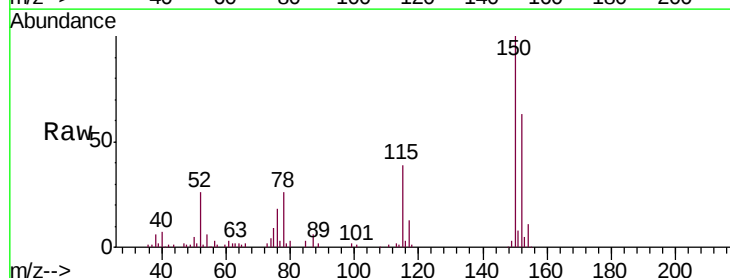
Acq: 02 Jul 2019 19:23

Tgt Ion: 75 Resp: 4809

Ion Ratio Lower Upper

75 100

77 34.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

Time-->

