

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101519\  
 Data File : VU035197.D  
 Acq On : 15 Oct 2019 19:04  
 Operator : JC/SP  
 Sample : K5317-10  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 15 19:26:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 15 15:10:16 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.87  | 114  | 147314   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 151822   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 55820    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 64623    | 7.42     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 148.40%# |
| 7) Chloroethane-d5             | 1.68   | 69    | 58785    | 7.23     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 144.60%# |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 91659    | 4.99     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 99.80%   |
| 20) 2-Butanone-d5              | 4.17   | 46    | 171376   | 66.83    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 133.66%# |
| 24) Chloroform-d               | 4.63   | 84    | 118042   | 7.25     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 145.00%# |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 69939    | 7.17     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 143.40%# |
| 32) Benzene-d6                 | 5.32   | 84    | 237998   | 6.69     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 133.80%# |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 84903    | 7.13     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 142.60%# |
| 41) Toluene-d8                 | 7.55   | 98    | 200176   | 5.81     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 116.20%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 25200    | 5.89     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 117.80%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 118878   | 58.36    | ug/L | 0.01     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 116.72%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 69803    | 6.96     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 139.20%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 63891    | 6.78     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 135.60%# |

## Target Compounds

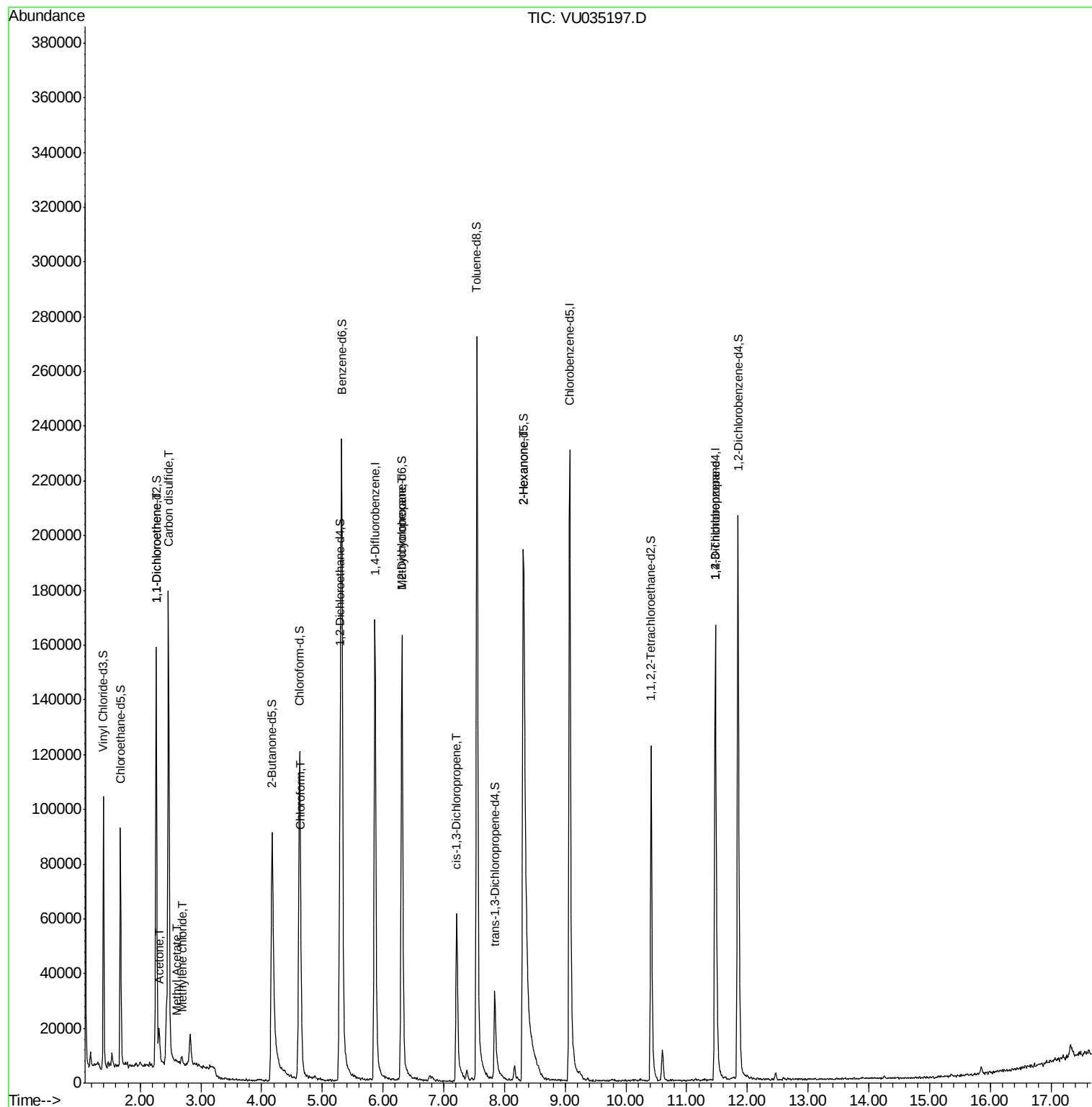
| Target Compounds            | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|-------|------|----------|-------|--------|--------|
| 12) 1,1-Dichloroethene      | 2.27  | 96   | 796      | 0.084 | ug/L # | 1      |
| 13) Acetone                 | 2.31  | 43   | 13642    | 6.495 | ug/L   | 95     |
| 14) Carbon disulfide        | 2.47  | 76   | 215703   | 6.850 | ug/L   | 99     |
| 15) Methyl Acetate          | 2.61  | 43   | 995      | 0.178 | ug/L # | 72     |
| 16) Methylene chloride      | 2.68  | 84   | 856      | 0.073 | ug/L   | 88     |
| 25) Chloroform              | 4.65  | 83   | 7293     | 0.322 | ug/L   | 99     |
| 35) Methylcyclohexane       | 6.31  | 83   | 17958    | 0.940 | ug/L # | 19     |
| 39) cis-1,3-Dichloropropene | 7.22  | 75   | 1466     | 0.088 | ug/L # | 56     |
| 48) 2-Hexanone              | 8.31  | 43   | 24693    | 4.639 | ug/L # | 58     |
| 59) 1,2,3-Trichloropropane  | 11.47 | 75   | 7473     | 0.936 | ug/L   | 99     |

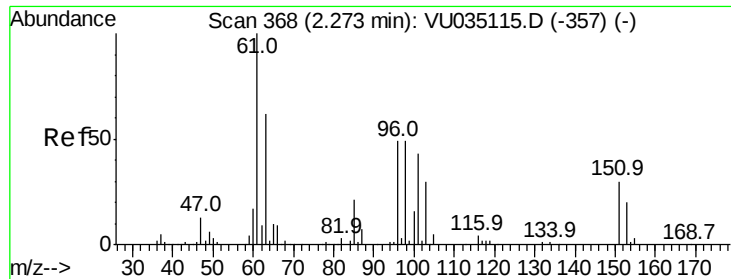
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Oct 15 15:10:16 2019  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.084 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU035197.D

Acq: 15 Oct 2019 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :

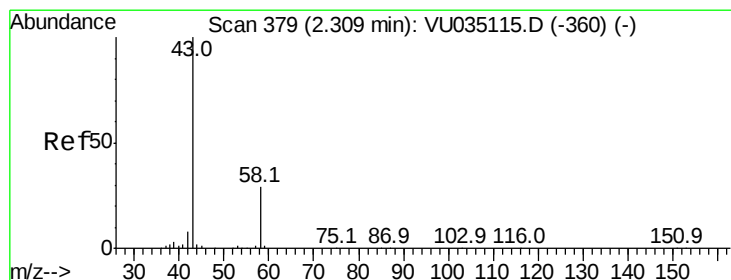
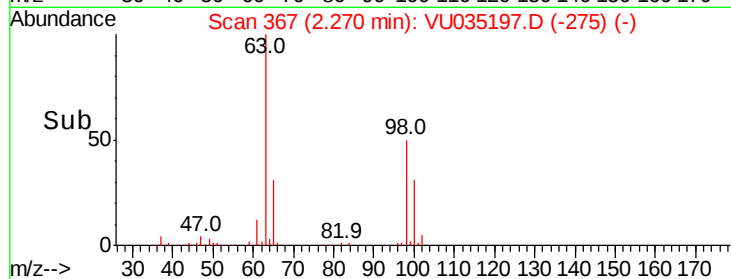
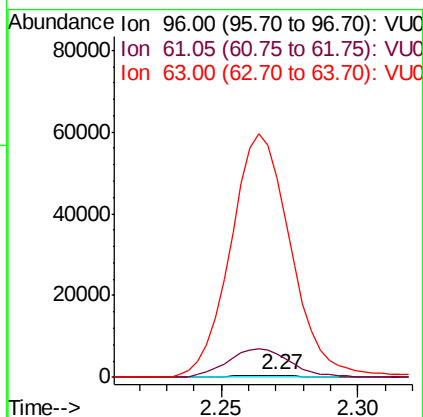
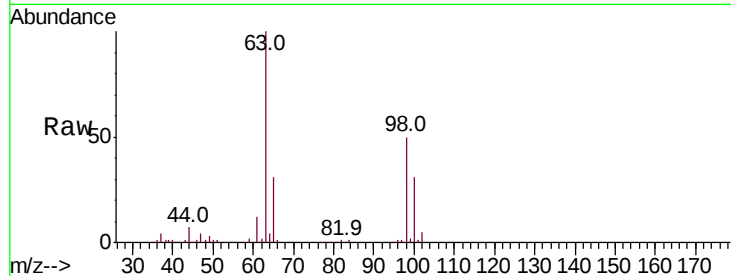
Tot Ion: 96 Resp: 796

Ion Ratio Lower Upper

96 100

61 1248.8 129.3 240.1#

63 10728.8 108.9 202.3#



#13

Acetone

Concen: 6.495 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035197.D

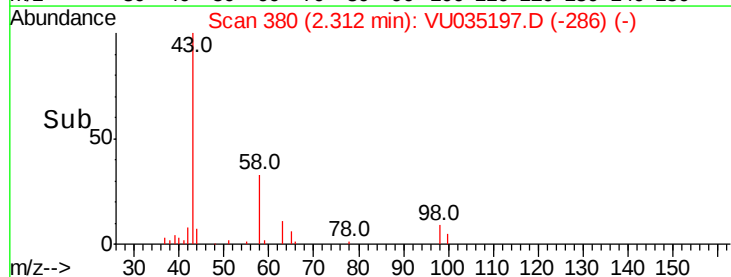
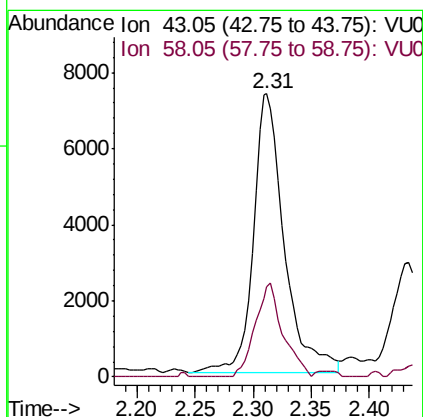
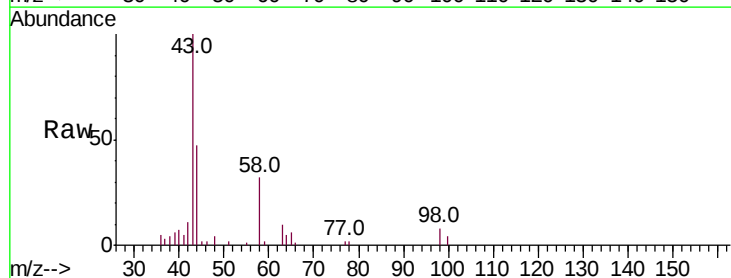
Acq: 15 Oct 2019 19:04

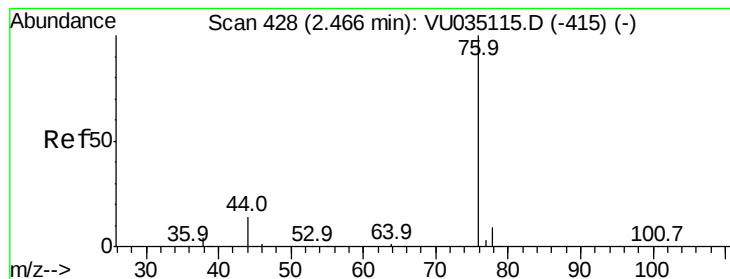
Tgt Ion: 43 Resp: 13642

Ion Ratio Lower Upper

43 100

58 30.2 0.0 66.6





#14

Carbon disulfide

Concen: 6.850 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU035197.D

Acq: 15 Oct 2019 19:04

Instrument :

MSVOA\_U

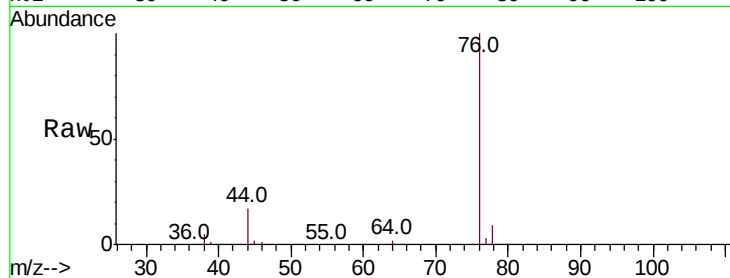
ClientSampled :

Tot Ion: 76 Resp: 215703

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU035115.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU035115.D (-415) (-)

2.47

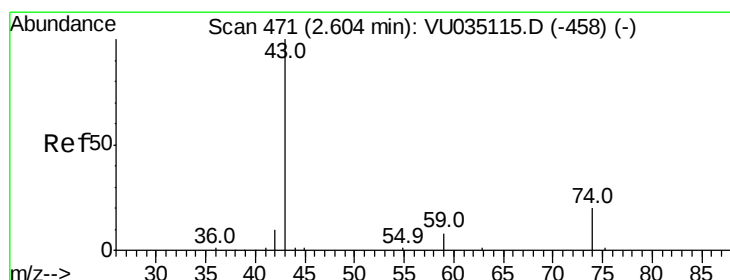
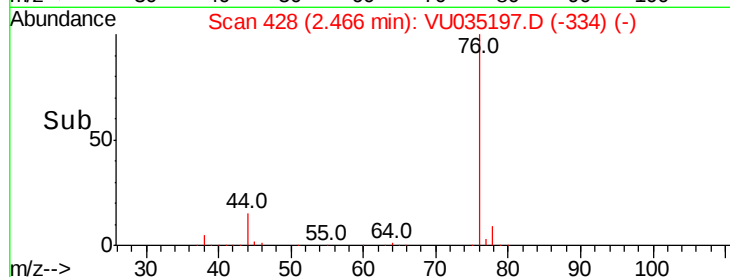
150000

100000

50000

0

Time-->



#15

Methyl Acetate

Concen: 0.178 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU035197.D

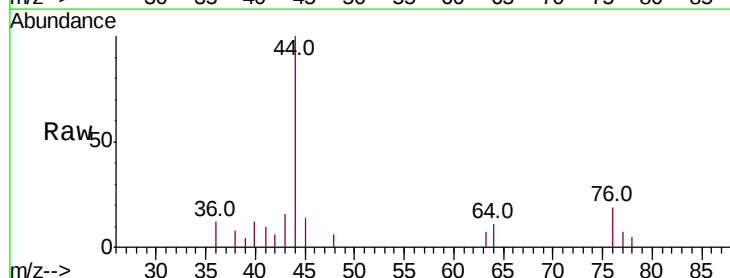
Acq: 15 Oct 2019 19:04

Tgt Ion: 43 Resp: 995

Ion Ratio Lower Upper

43 100

74 8.9 17.8 26.8#



Abundance Ion 43.05 (42.75 to 43.75): VU035115.D (-458) (-)

Ion 74.05 (73.75 to 74.75): VU035115.D (-458) (-)

2.61

600

500

400

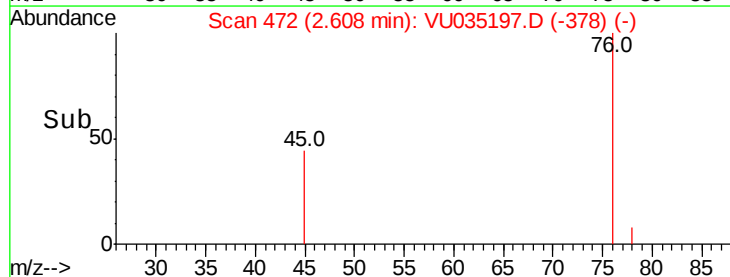
300

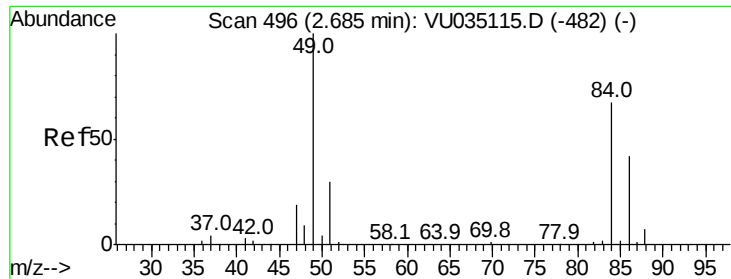
200

100

0

Time-->

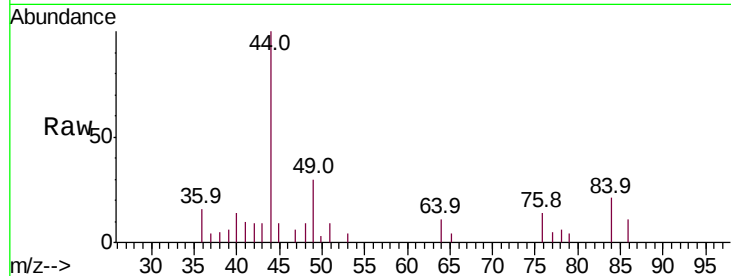




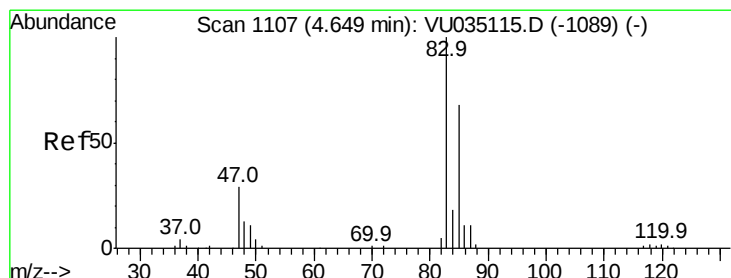
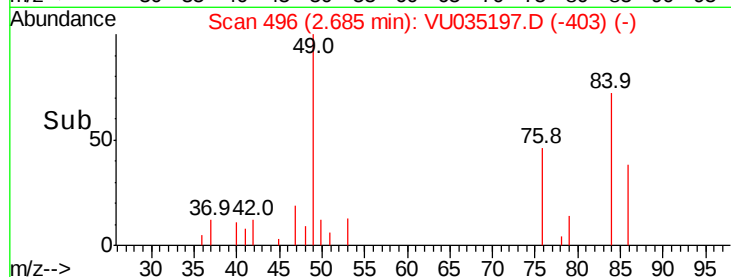
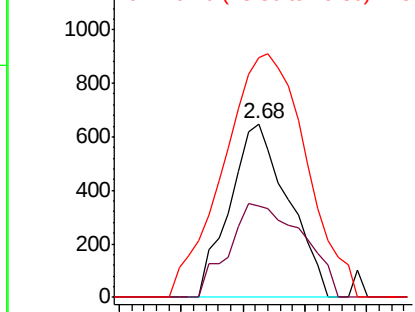
#16  
Methvlene chloride  
Concen: 0.073 ug/L  
RT: 2.68 min Scan# 496  
Delta R.T. 0.00 min  
Lab File: VU035197.D  
Acq: 15 Oct 2019 19:04

Instrument :  
MSVOA\_U  
ClientSampled :

Tot Ion: 84 Resp: 856  
Ion Ratio Lower Upper  
84 100  
86 52.9 42.5 78.9  
49 138.4 86.9 161.3

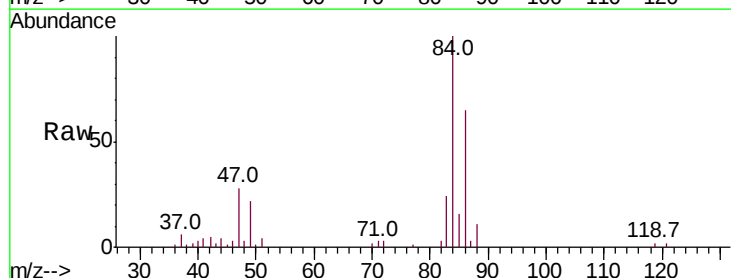


Abundance Ion 84.05 (83.75 to 84.75): VU0  
Ion 86.00 (85.70 to 86.70): VU0  
Ion 49.10 (48.80 to 49.80): VU0

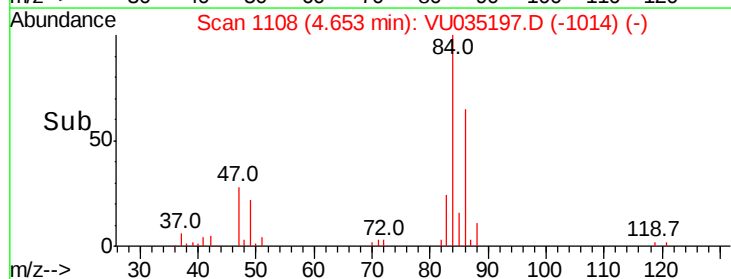
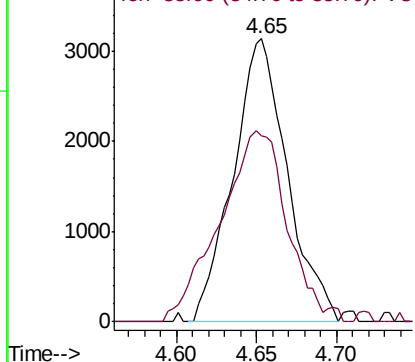


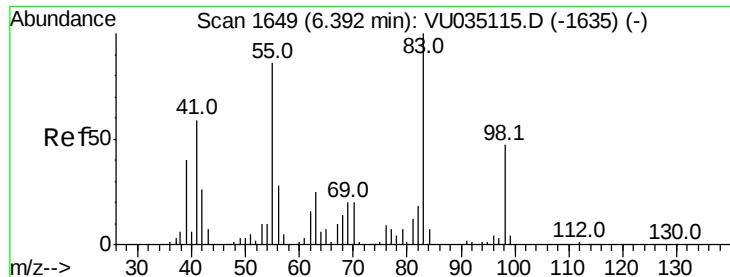
#25  
Chloroform  
Concen: 0.322 ug/L  
RT: 4.65 min Scan# 1108  
Delta R.T. 0.00 min  
Lab File: VU035197.D  
Acq: 15 Oct 2019 19:04

Tgt Ion: 83 Resp: 7293  
Ion Ratio Lower Upper  
83 100  
85 65.7 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU0  
Ion 85.00 (84.70 to 85.70): VU0





#35

Methylcyclohexane

Concen: 0.940 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035197.D

Acq: 15 Oct 2019 19:04

Instrument :  
MSVOA\_U  
ClientSampled :

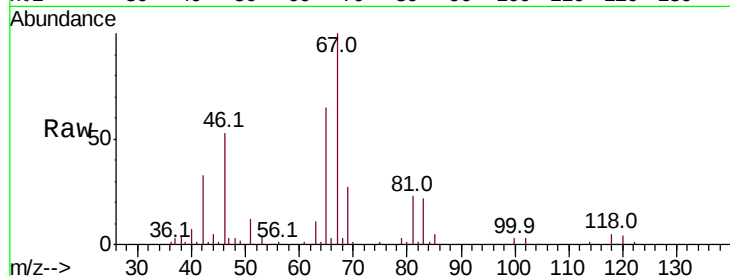
Tot Ion: 83 Resp: 17958

Ion Ratio Lower Upper

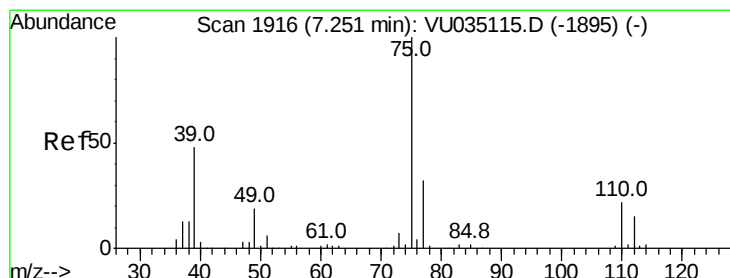
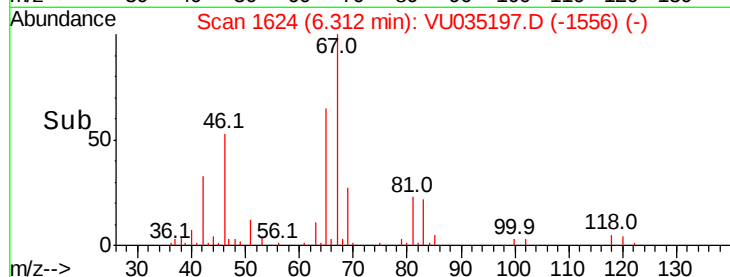
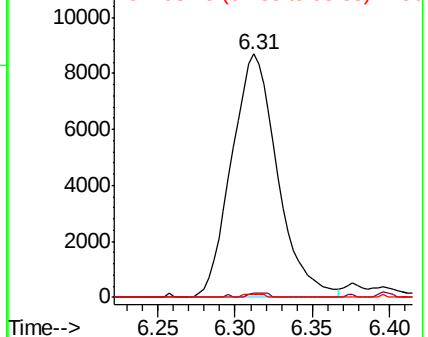
83 100

55 0.8 62.6 94.0#

98 0.6 36.2 54.2#



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



#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.22 min Scan# 1905

Delta R.T. -0.04 min

Lab File: VU035197.D

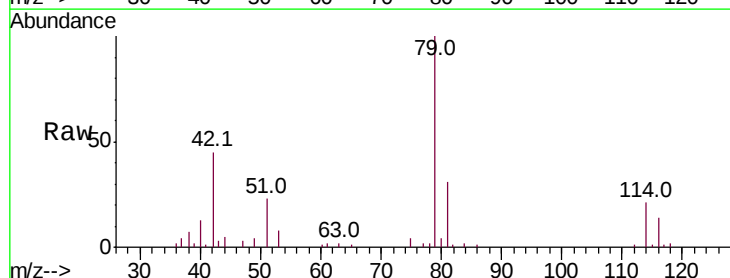
Acq: 15 Oct 2019 19:04

Tgt Ion: 75 Resp: 1466

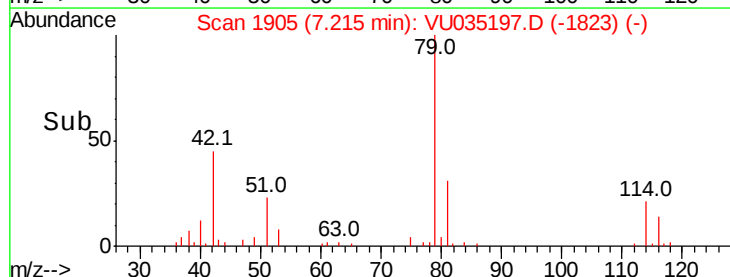
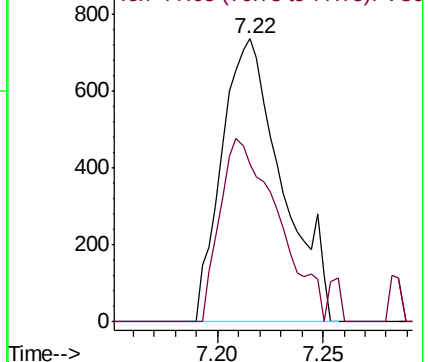
Ion Ratio Lower Upper

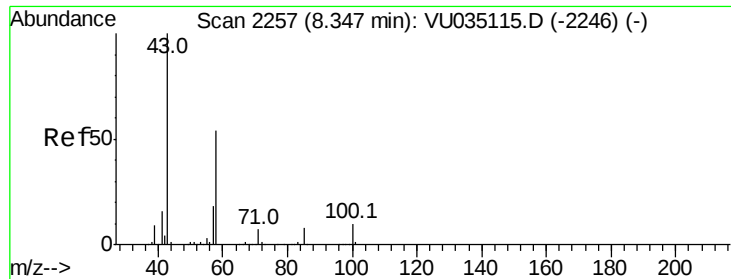
75 100

77 55.8 22.1 41.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0  
Ion 77.05 (76.75 to 77.75): VU0

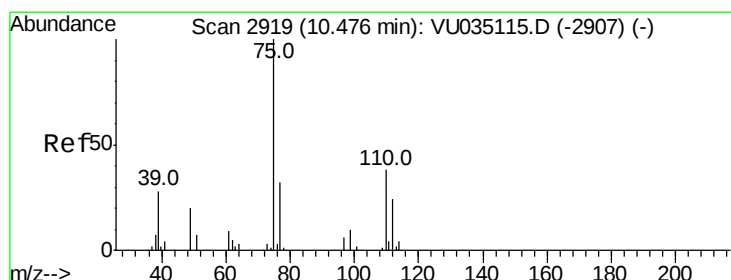
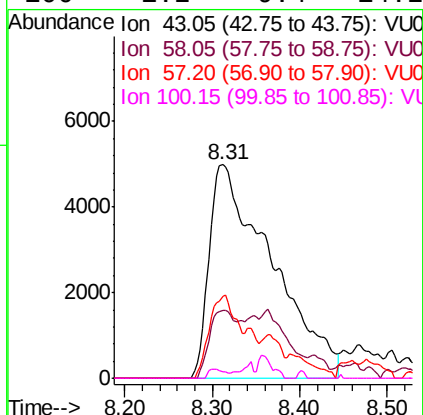
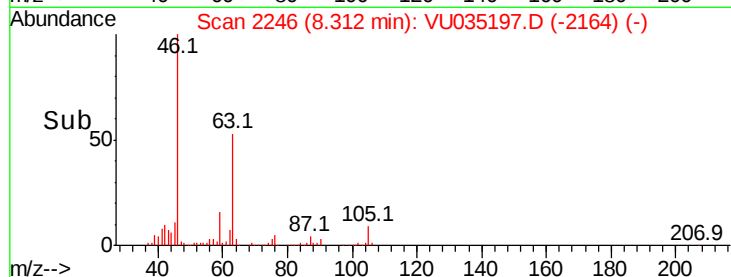
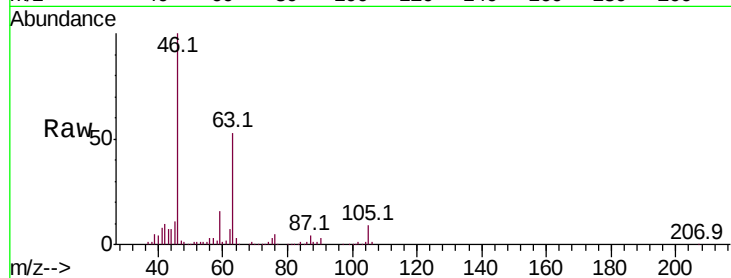




#48  
2-Hexanone  
Concen: 4.639 ug/L  
RT: 8.31 min Scan# 2246  
Delta R.T. -0.04 min  
Lab File: VU035197.D  
Acq: 15 Oct 2019 19:04

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 43 Resp: 24693  
Ion Ratio Lower Upper  
43 100  
58 12.9 44.1 66.1#  
57 16.9 15.8 23.8  
100 1.2 9.4 14.2#



#59  
1,2,3-Trichloropropane  
Concen: 0.936 ug/L  
RT: 11.47 min Scan# 3227  
Delta R.T. 0.99 min  
Lab File: VU035197.D  
Acq: 15 Oct 2019 19:04

Tgt Ion: 75 Resp: 7473  
Ion Ratio Lower Upper  
75 100  
77 33.7 26.5 39.7

