

Data File : VU032728.D  
Acq On : 14 Jun 2019 17:38  
Operator : JC/SP  
Sample : K3364-10DL 5X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
COM31DL

Quant Time: Jun 14 23:52:54 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jun 14 23:49:20 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 108805   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 100391   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 50891    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 30347    | 4.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.80%  |
| 7) Chloroethane-d5             | 1.67   | 69    | 26413    | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 87.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 48115    | 3.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.00%  |
| 20) 2-Butanone-d5              | 4.18   | 46    | 104400   | 52.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.76% |
| 24) Chloroform-d               | 4.64   | 84    | 63289    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.30   | 65    | 36499    | 5.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 110.20% |
| 32) Benzene-d6                 | 5.33   | 84    | 122896   | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 41521    | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 108.00% |
| 41) Toluene-d8                 | 7.56   | 98    | 110050   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 16014    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 85154    | 51.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.40% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 35925    | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 110.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 46473    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.60% |

#### Target Compounds

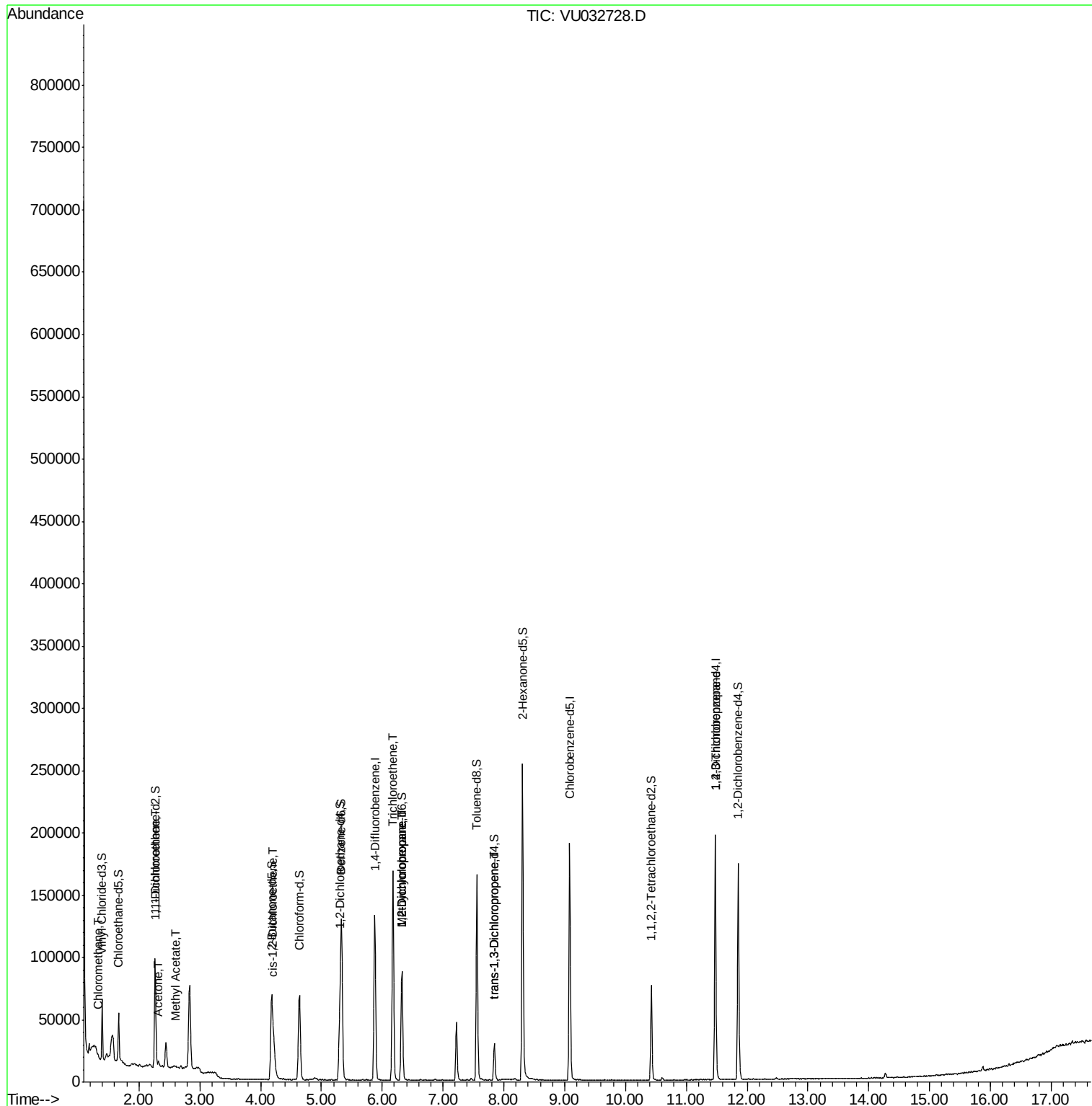
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 3) Chloromethane              | 1.33  | 50 | 2235  | 0.231 ug/L   | 99     |
| 12) 1,1-Dichloroethene        | 2.28  | 96 | 3412  | 0.494 ug/L # | 1      |
| 13) Acetone                   | 2.32  | 43 | 3419  | 2.231 ug/L   | 100    |
| 15) Methyl Acetate            | 2.61  | 43 | 611   | 0.145 ug/L # | 61     |
| 22) cis-1,2-Dichloroethene    | 4.21  | 96 | 4045  | 0.479 ug/L   | 81     |
| 34) Trichloroethene           | 6.18  | 95 | 55302 | 6.496 ug/L   | 99     |
| 35) Methylcyclohexane         | 6.32  | 83 | 9240  | 0.675 ug/L # | 19     |
| 37) 1,2-Dichloropropane       | 6.32  | 63 | 4760  | 0.622 ug/L # | 89     |
| 44) trans-1,3-Dichloropropene | 7.85  | 75 | 878   | 0.094 ug/L   | 97     |
| 59) 1,2,3-Trichloropropane    | 11.48 | 75 | 6402  | 1.273 ug/L # | 87     |

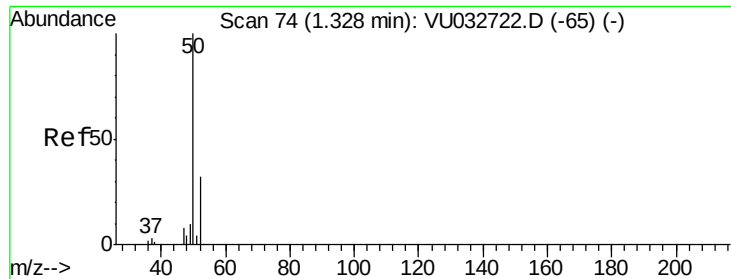
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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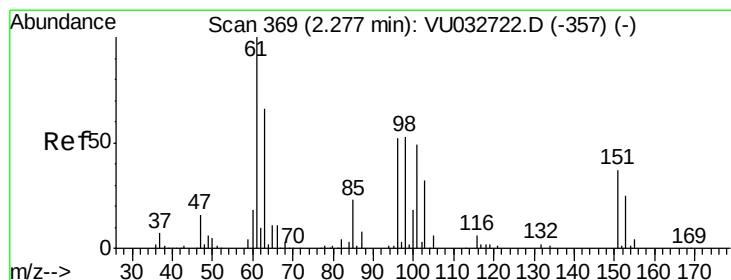
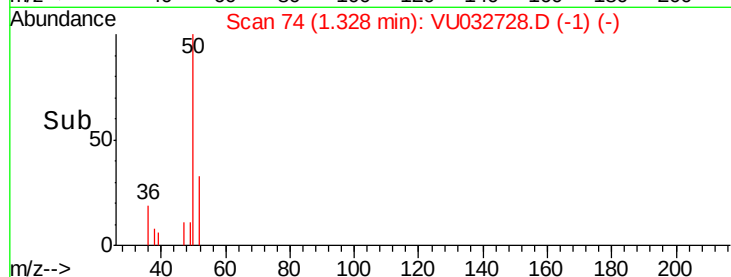
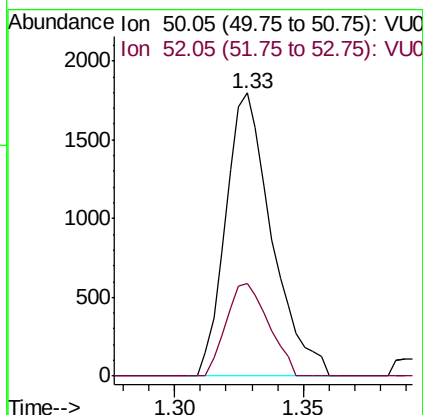
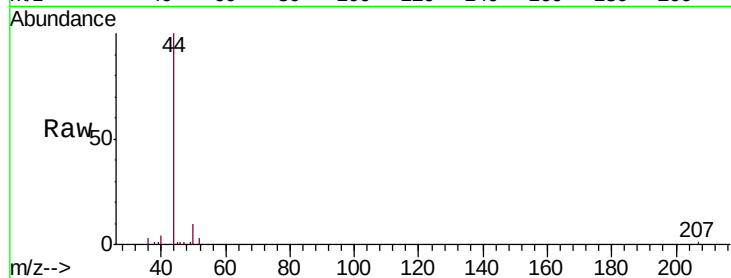




#3  
Chloromethane  
Concen: 0.231 ug/L  
RT: 1.33 min Scan# 74  
Delta R.T. 0.00 min  
Lab File: VU032728.D  
Acq: 14 Jun 2019 17:38

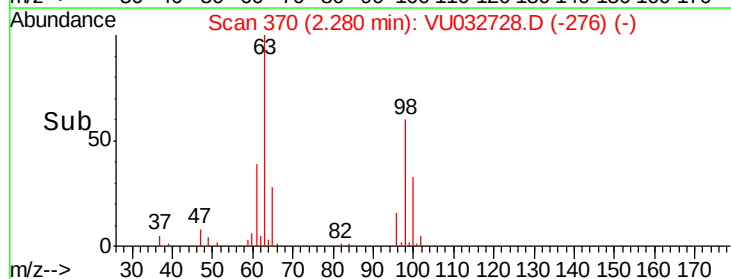
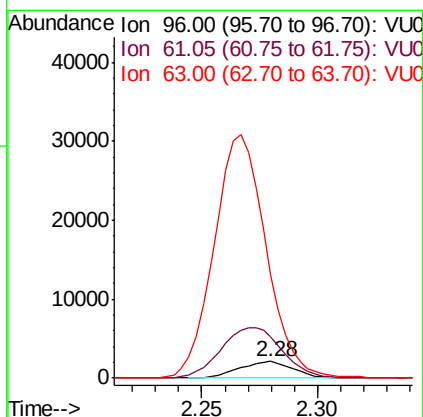
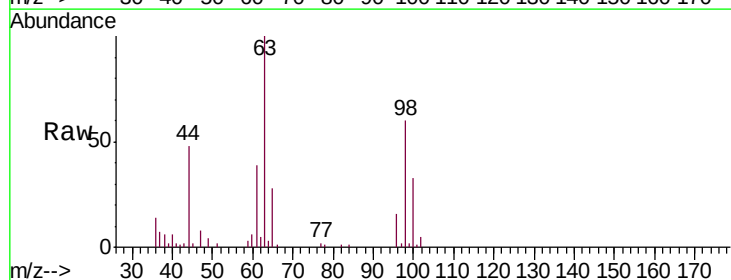
Instrument :  
MSVOA\_U  
ClientSampleId :  
COM31DL

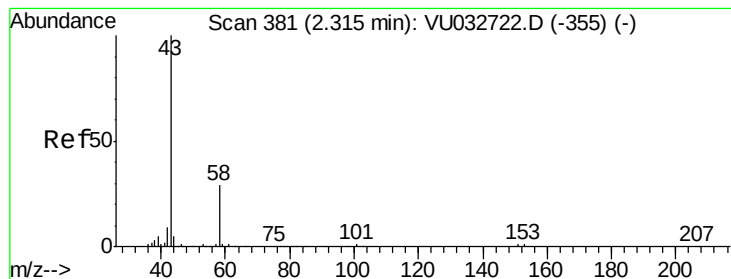
Tgt Ion: 50 Resp: 2235  
Ion Ratio Lower Upper  
50 100  
52 32.8 23.2 43.2



#12  
1,1-Dichloroethene  
Concen: 0.494 ug/L  
RT: 2.28 min Scan# 370  
Delta R.T. 0.00 min  
Lab File: VU032728.D  
Acq: 14 Jun 2019 17:38

Tgt Ion: 96 Resp: 3412  
Ion Ratio Lower Upper  
96 100  
61 245.3 131.8 244.8#  
63 624.5 90.1 167.3#





#13

Acetone

Concen: 2.231 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032728.D

Acq: 14 Jun 2019 17:38

Instrument :

MSVOA\_U

ClientSampleId :

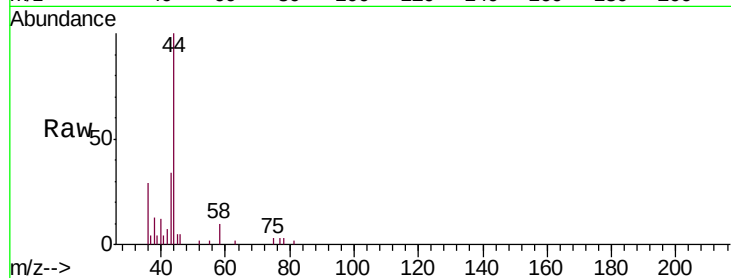
C0M31DL

Tgt Ion: 43 Resp: 3419

Ion Ratio Lower Upper

43 100

58 30.4 0.0 60.8



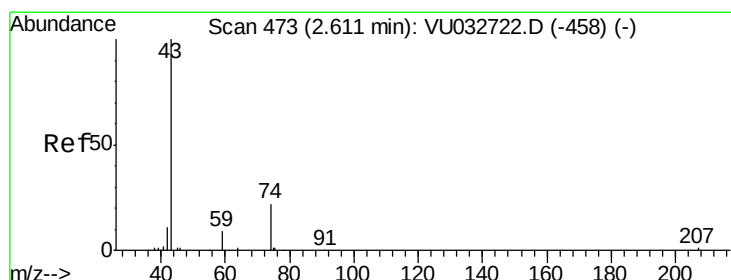
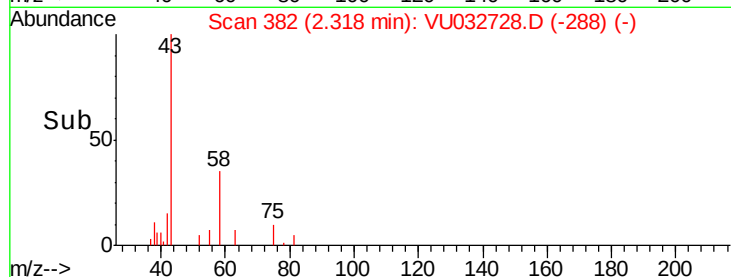
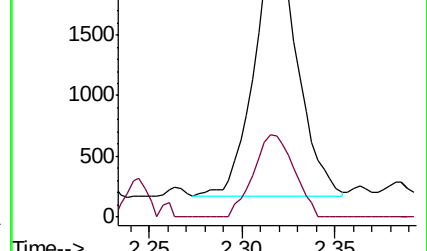
Abundance Ion 43.05 (42.75 to 43.75): VU032728.D (-355) (-)

Ion 58.05 (57.75 to 58.75): VU032728.D (-355) (-)

2.32

2.30

2.35



#15

Methyl Acetate

Concen: 0.145 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU032728.D

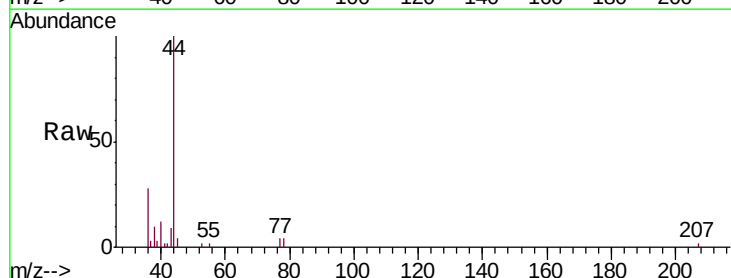
Acq: 14 Jun 2019 17:38

Tgt Ion: 43 Resp: 611

Ion Ratio Lower Upper

43 100

74 3.4 17.8 26.8#



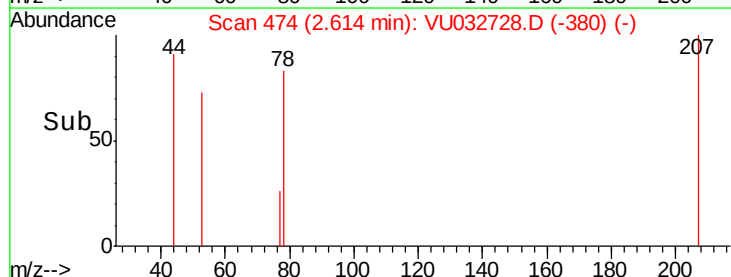
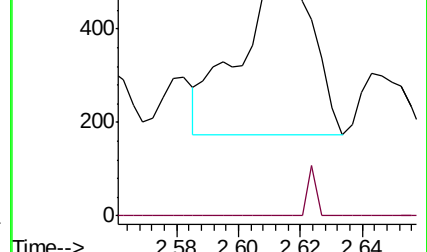
Abundance Ion 43.05 (42.75 to 43.75): VU032728.D (-458) (-)

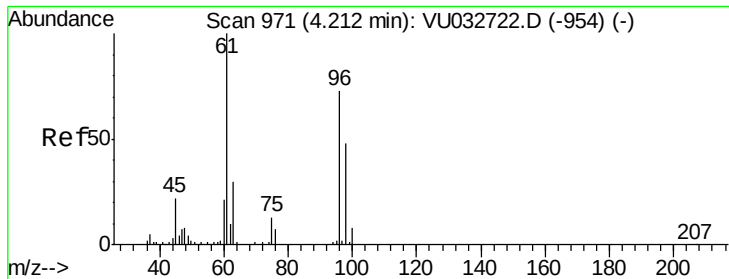
Ion 74.05 (73.75 to 74.75): VU032728.D (-458) (-)

2.61

2.58

2.64



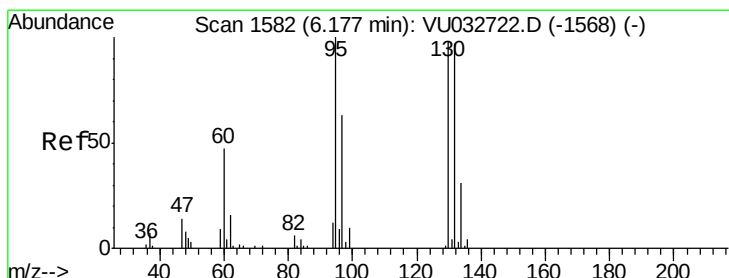
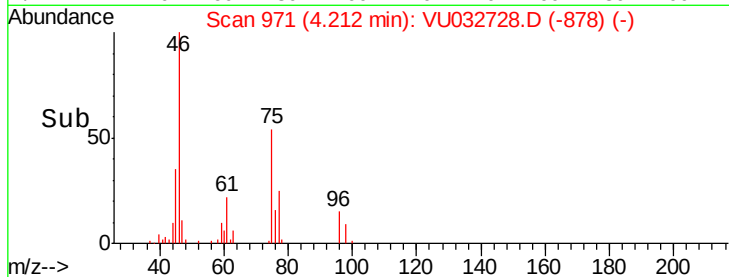
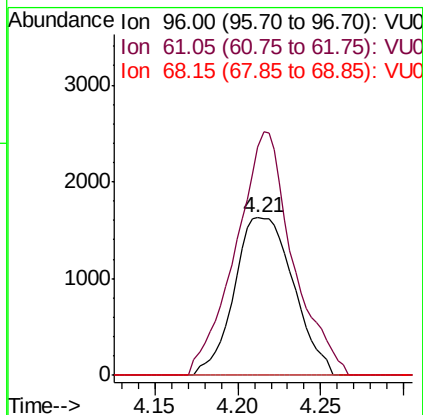
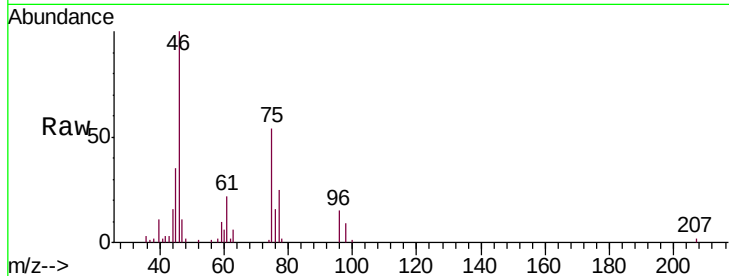


#22

cis-1,2-Dichloroethene  
Concen: 0.479 ug/L  
RT: 4.21 min Scan# 971  
Delta R.T. 0.00 min  
Lab File: VU032728.D  
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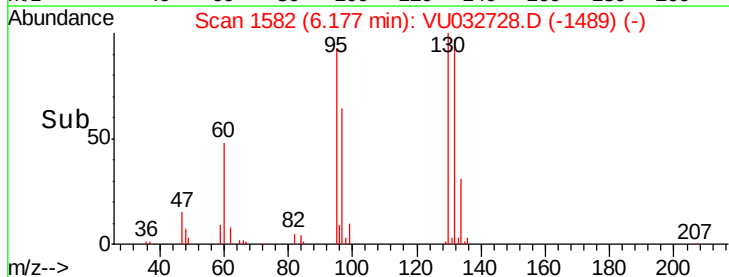
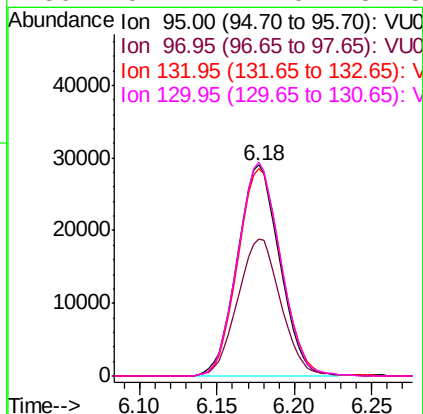
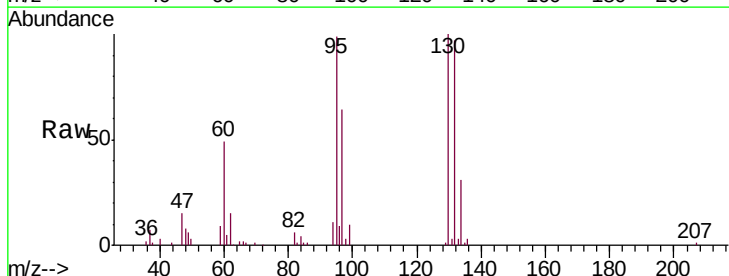
Tgt Ion: 96 Resp: 4045  
Ion Ratio Lower Upper  
96 100  
61 145.0 86.6 160.8  
68 0.0 0.0 0.0

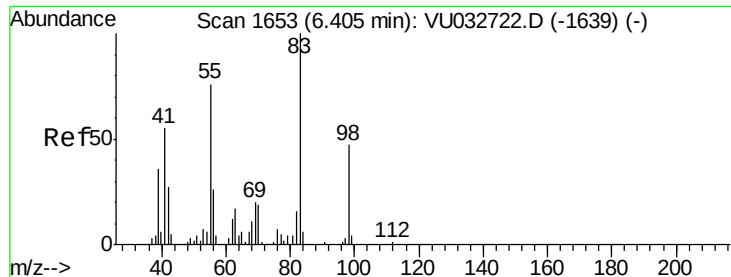


#34

Trichloroethene  
Concen: 6.496 ug/L  
RT: 6.18 min Scan# 1582  
Delta R.T. 0.00 min  
Lab File: VU032728.D  
Acq: 14 Jun 2019 17:38

Tgt Ion: 95 Resp: 55302  
Ion Ratio Lower Upper  
95 100  
97 64.8 44.1 81.9  
132 98.4 68.8 127.8  
130 101.2 71.0 131.8

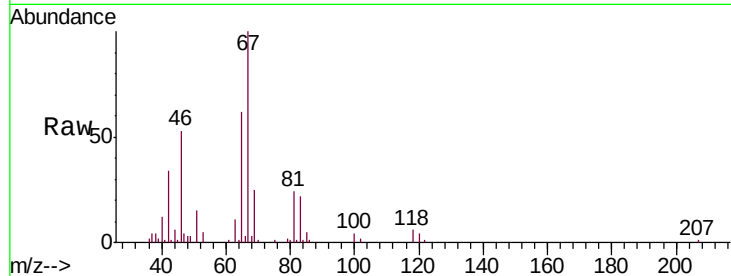




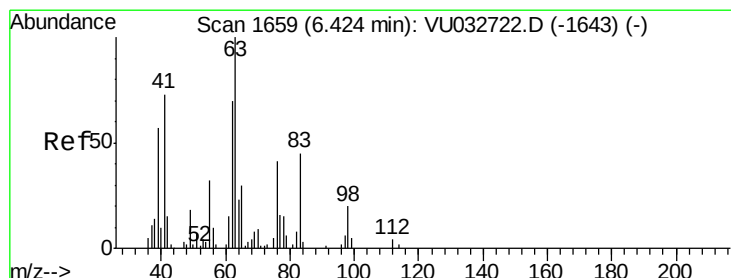
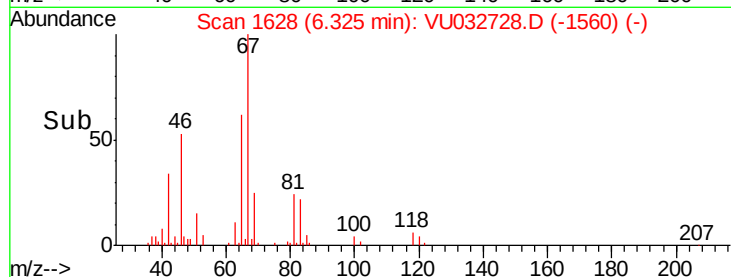
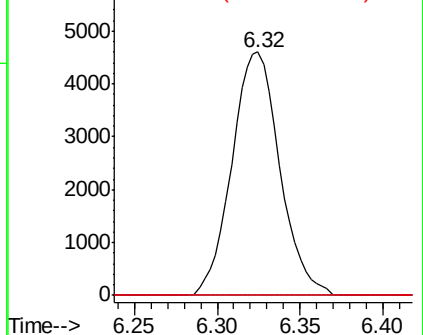
#35  
Methylcyclohexane  
Concen: 0.675 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.08 min  
Lab File: VU032728.D  
Acq: 14 Jun 2019 17:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Tgt Ion: 83 Resp: 9240  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.0 90.0#  
98 0.0 37.8 56.8#

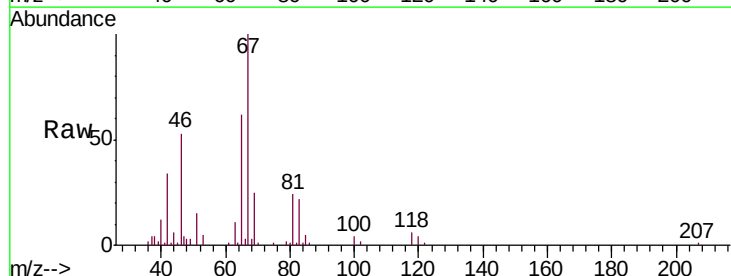


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

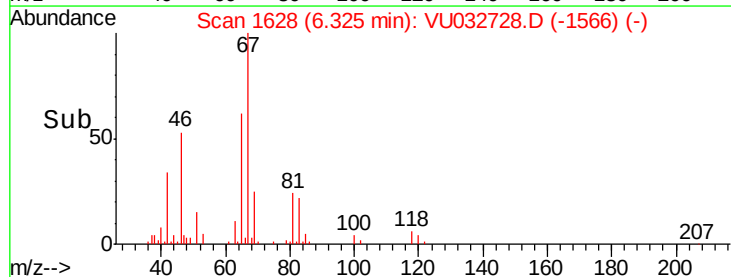
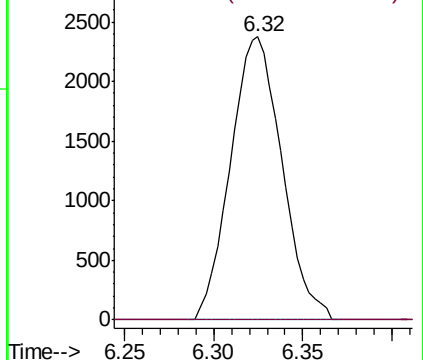


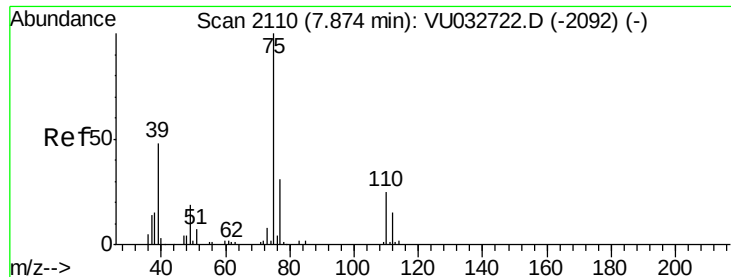
#37  
1,2-Dichloropropane  
Concen: 0.622 ug/L  
RT: 6.32 min Scan# 1628  
Delta R.T. -0.10 min  
Lab File: VU032728.D  
Acq: 14 Jun 2019 17:38

Tgt Ion: 63 Resp: 4760  
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: 0.094 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032728.D

Acq: 14 Jun 2019 17:38

Instrument :

MSVOA\_U

ClientSampleId :

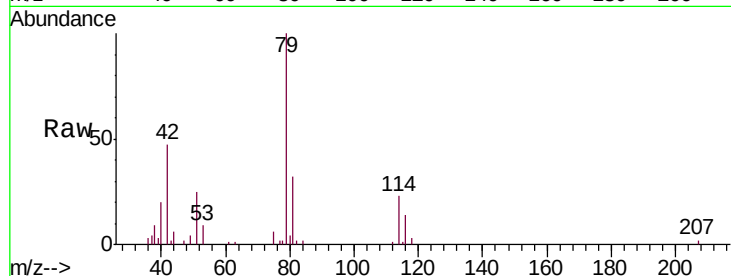
C0M31DL

Tgt Ion: 75 Resp: 878

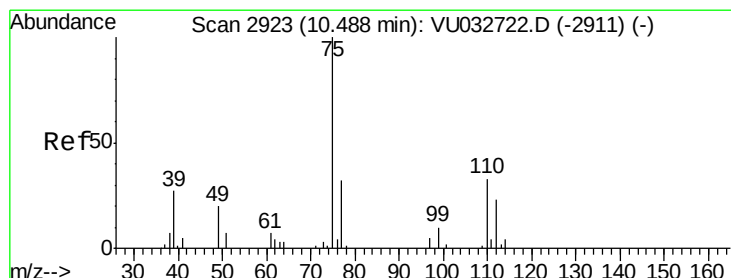
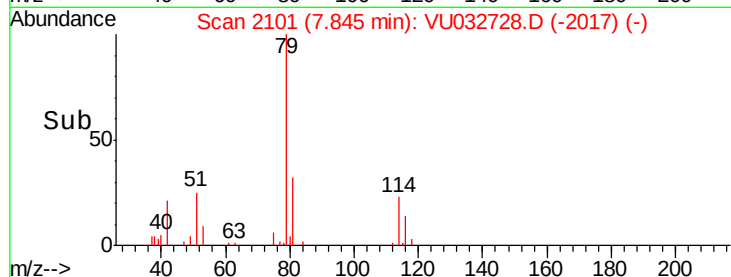
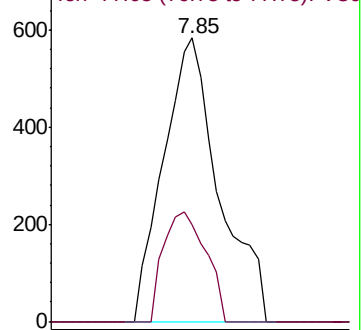
Ion Ratio Lower Upper

75 100

77 34.0 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VU032722.D (-2092) (-)



#59

1,2,3-Trichloropropane

Concen: 1.273 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU032728.D

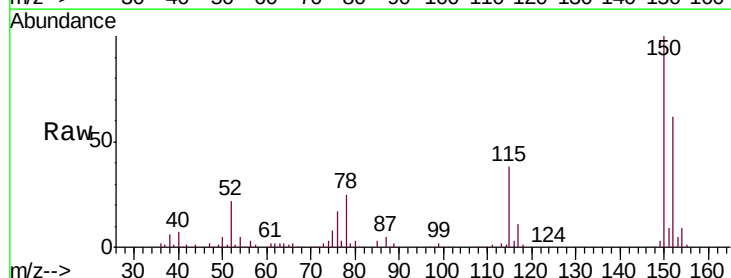
Acq: 14 Jun 2019 17:38

Tgt Ion: 75 Resp: 6402

Ion Ratio Lower Upper

75 100

77 38.7 25.3 37.9#



Abundance Ion 75.00 (74.70 to 75.70): VU032722.D (-2911) (-)

