

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\  
 Data File : VU035237.D  
 Acq On : 18 Oct 2019 02:32  
 Operator : JC/SP  
 Sample : K5419-06  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0G41

Quant Time: Oct 18 06:00:16 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 18 05:36:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 351013   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 344589   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 149178   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 109473   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 102.20% |
| 7) Chloroethane-d5             | 1.93   | 69    | 99503    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.80% |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 153533   | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 77.60%  |
| 20) 2-Butanone-d5              | 4.71   | 46    | 268156   | 43.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.20%  |
| 24) Chloroform-d               | 5.11   | 84    | 197146   | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.80% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 110933   | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.40% |
| 32) Benzene-d6                 | 5.77   | 84    | 407353   | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.40% |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 138440   | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.60% |
| 41) Toluene-d8                 | 7.93   | 98    | 392132   | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.00% |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 51435    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.80%  |
| 46) 2-Hexanone-d5              | 8.69   | 63    | 253491   | 47.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.68%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 109642   | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 139110   | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.40% |

## Target Compounds

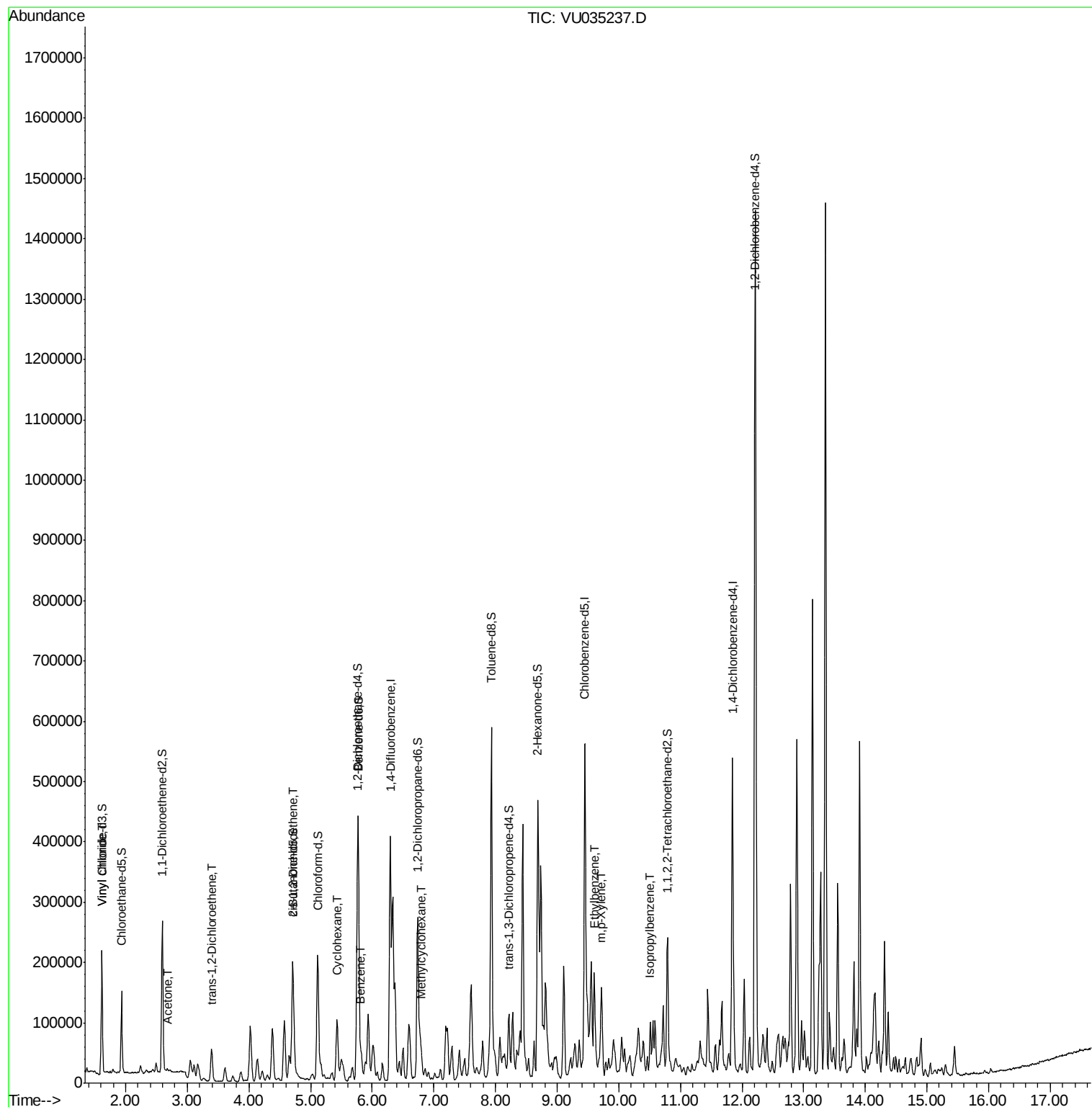
| Target Compounds             | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|------------------------------|-------|------|----------|-------|--------|--------|
| 5) Vinyl chloride            | 1.62  | 62   | 33777    | 1.110 | ug/L   | 87     |
| 13) Acetone                  | 2.68  | 43   | 4946     | 1.156 | ug/L   | 92     |
| 18) trans-1,2-Dichloroethene | 3.39  | 96   | 5636     | 0.232 | ug/L   | 93     |
| 22) cis-1,2-Dichloroethene   | 4.72  | 96   | 23846    | 0.887 | ug/L   | 98     |
| 30) Cyclohexane              | 5.43  | 56   | 51075    | 1.181 | ug/L # | 95     |
| 33) Benzene                  | 5.82  | 78   | 23892    | 0.236 | ug/L   | 100    |
| 35) Methylcyclohexane        | 6.80  | 83   | 15376    | 0.338 | ug/L # | 40     |
| 52) Ethylbenzene             | 9.60  | 91   | 104295   | 0.819 | ug/L   | 99     |
| 53) m,p-Xylene               | 9.73  | 106  | 7209     | 0.150 | ug/L   | 77     |
| 56) Isopropylbenzene         | 10.51 | 105  | 38796    | 0.308 | ug/L   | 96     |

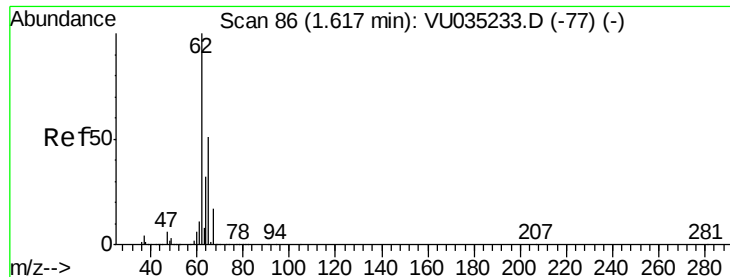
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 18 05:36:44 2019  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.110 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

Instrument :

MSVOA\_U

ClientSampleId :

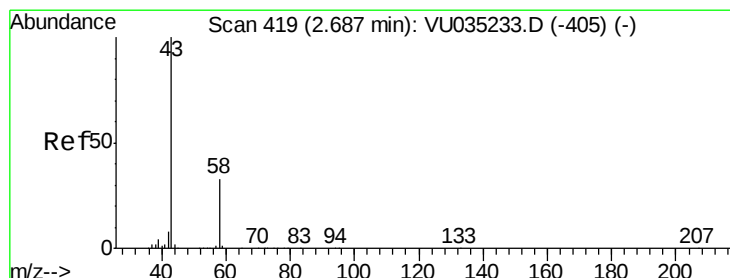
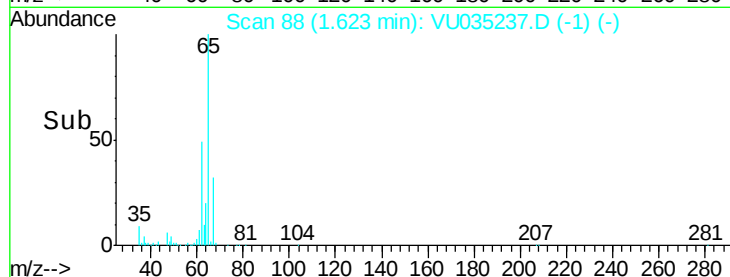
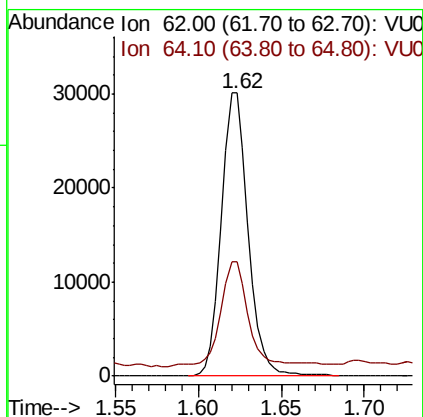
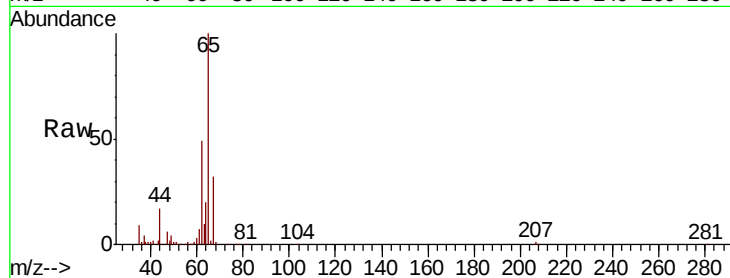
H0G41

Tot Ion: 62 Resp: 33777

Ion Ratio Lower Upper

62 100

64 40.2 22.9 42.5



#13

Acetone

Concen: 1.156 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU035237.D

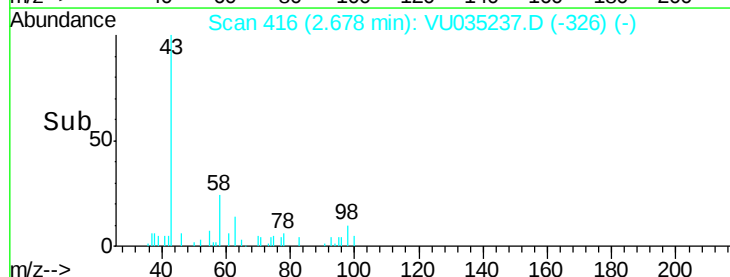
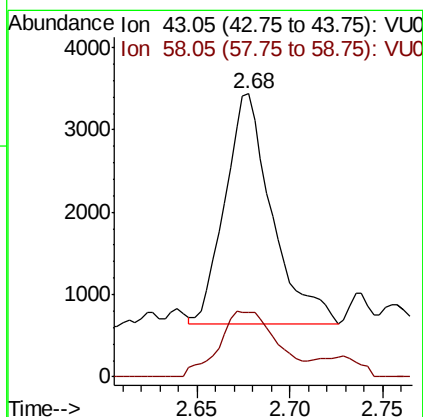
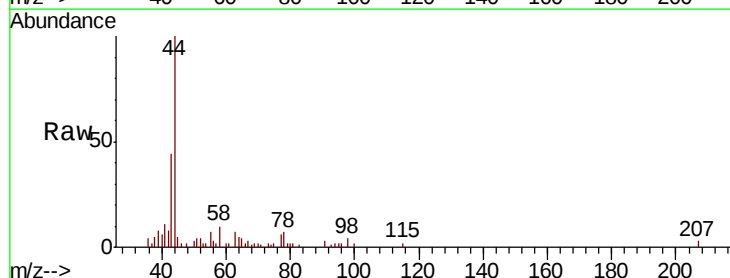
Acq: 18 Oct 2019 02:32

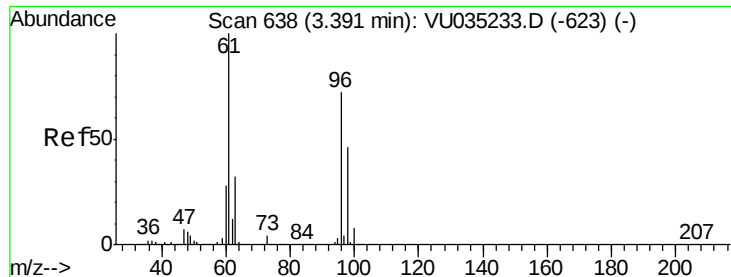
Tgt Ion: 43 Resp: 4946

Ion Ratio Lower Upper

43 100

58 35.2 0.0 61.8





#18

trans-1,2-Dichloroethene

Concen: 0.232 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

Instrument :

MSVOA\_U

ClientSampleId :

H0G41

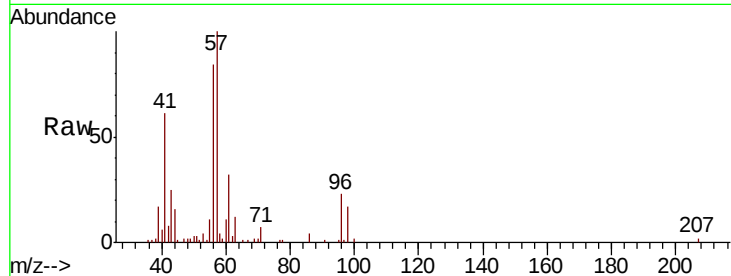
Tot Ion: 96 Resp: 5636

Ion Ratio Lower Upper

96 100

61 137.7 93.0 172.6

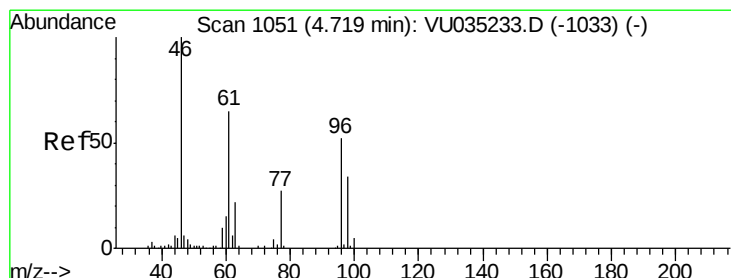
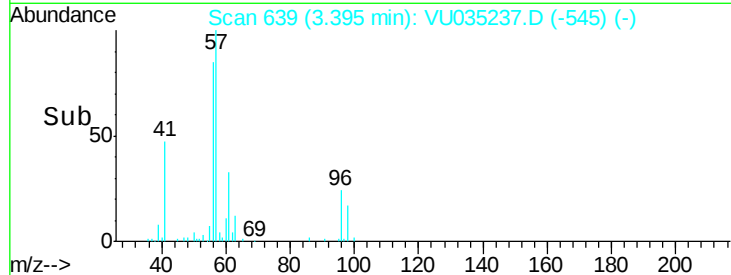
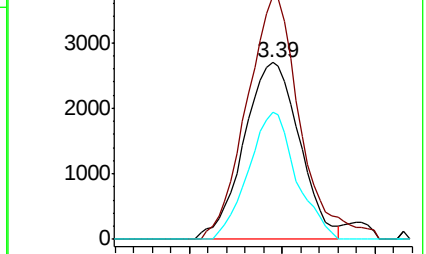
98 71.5 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035237.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035237.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035237.D (-545) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.887 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

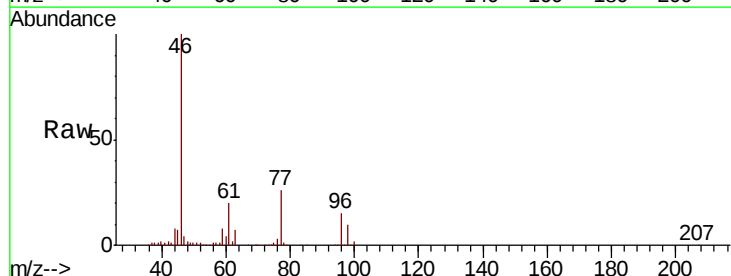
Tgt Ion: 96 Resp: 23846

Ion Ratio Lower Upper

96 100

61 126.2 89.7 166.5

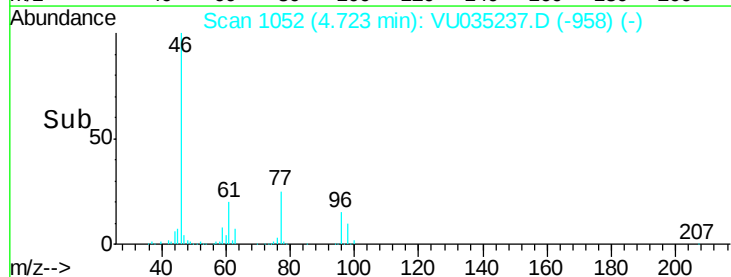
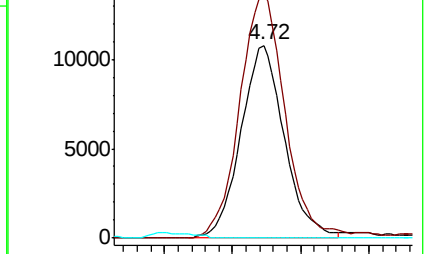
68 0.0 0.0 0.0

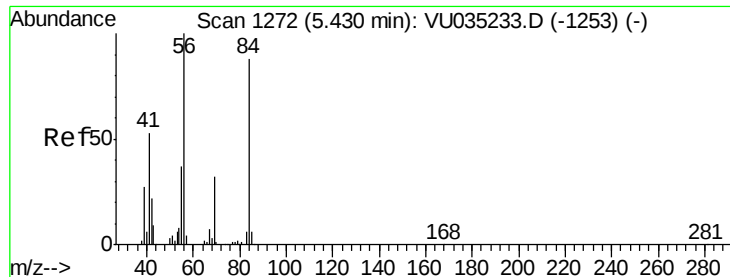


Abundance Ion 96.00 (95.70 to 96.70): VU035237.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035237.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035237.D (-958) (-)

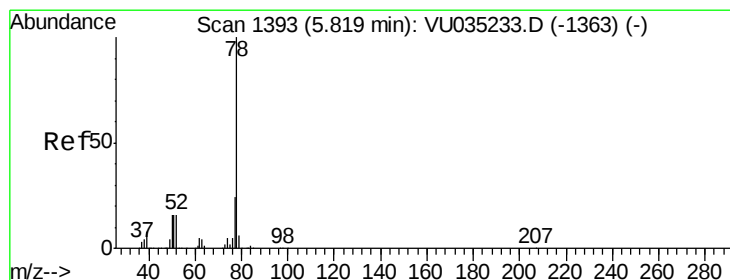
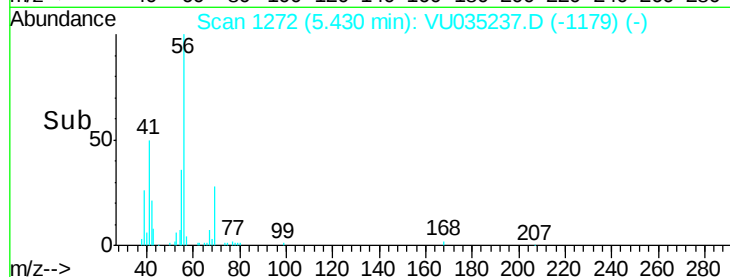
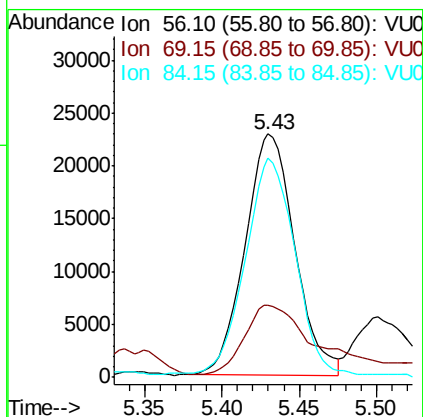
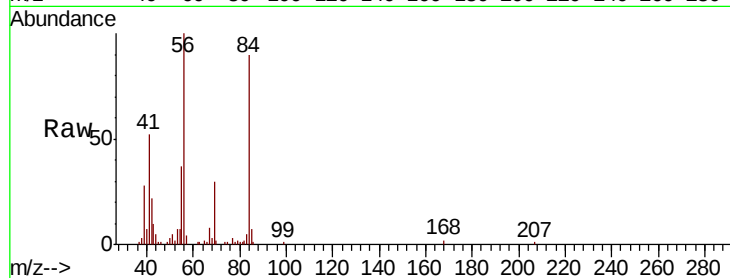




#30  
Cyclohexane  
Concen: 1.181 ug/L  
RT: 5.43 min Scan# 1272  
Delta R.T. 0.00 min  
Lab File: VU035237.D  
Acq: 18 Oct 2019 02:32

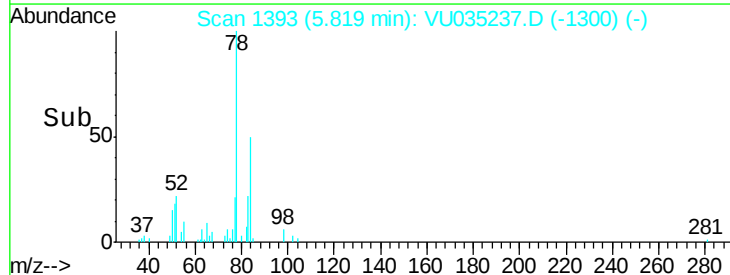
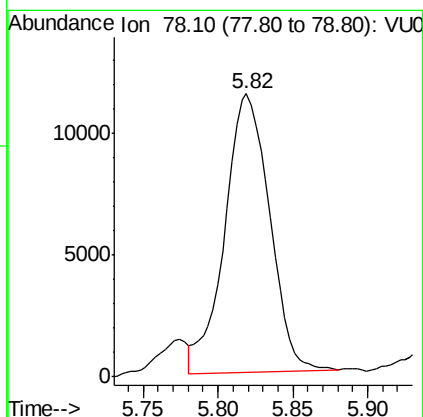
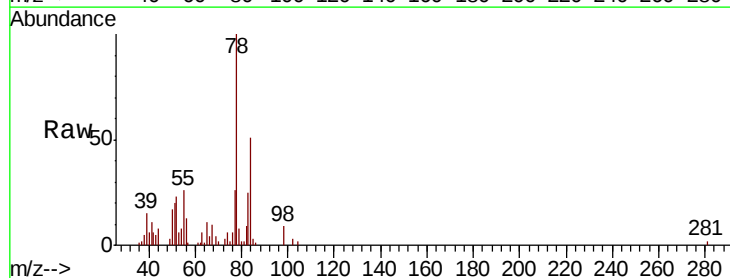
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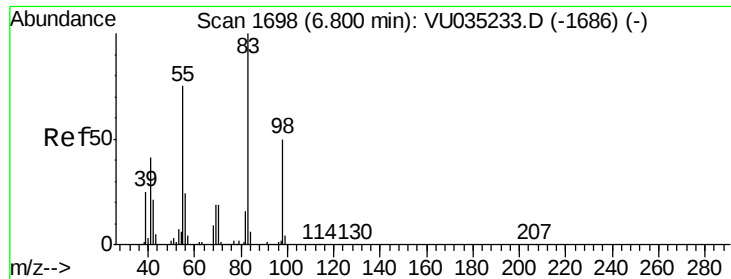
Tot Ion: 56 Resp: 51075  
Ion Ratio Lower Upper  
56 100  
69 41.7 24.6 36.8#  
84 89.2 71.5 107.3



#33  
Benzene  
Concen: 0.236 ug/L  
RT: 5.82 min Scan# 1393  
Delta R.T. 0.00 min  
Lab File: VU035237.D  
Acq: 18 Oct 2019 02:32

Tgt Ion: 78 Resp: 23892

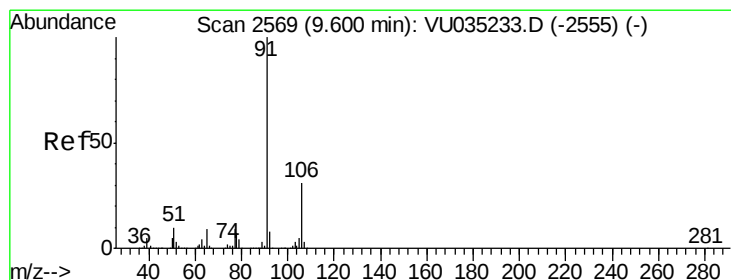
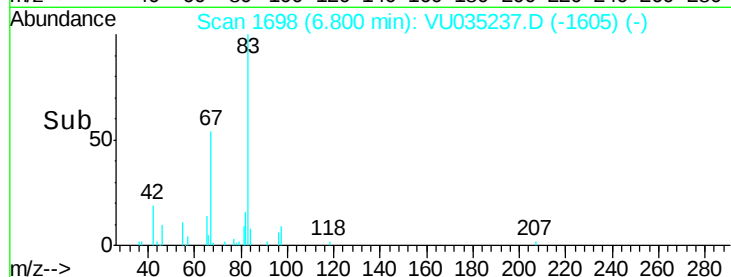
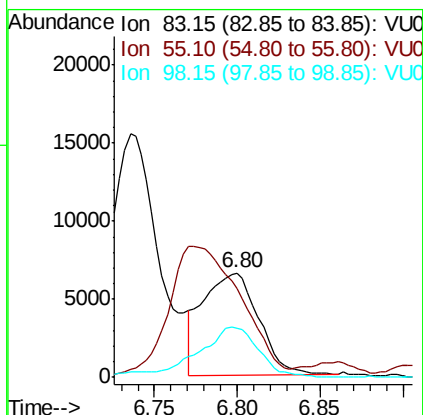
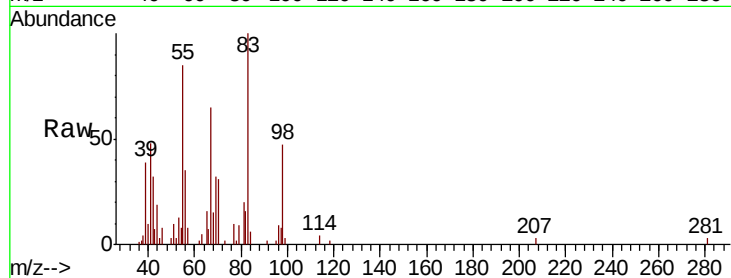




#35  
Methvlcvclohexane  
Concen: 0.338 ug/L  
RT: 6.80 min Scan# 1698  
Delta R.T. 0.00 min  
Lab File: VU035237.D  
Acq: 18 Oct 2019 02:32

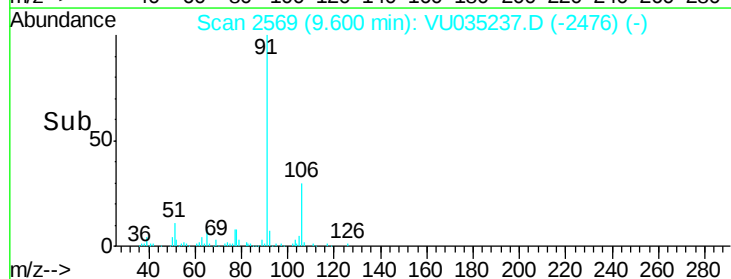
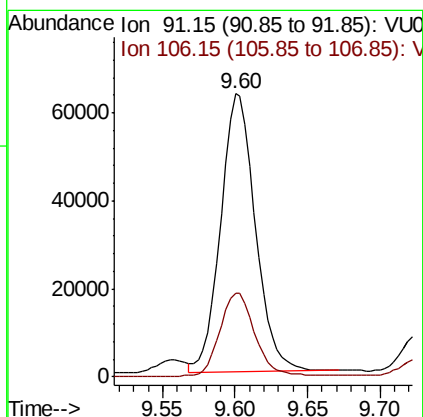
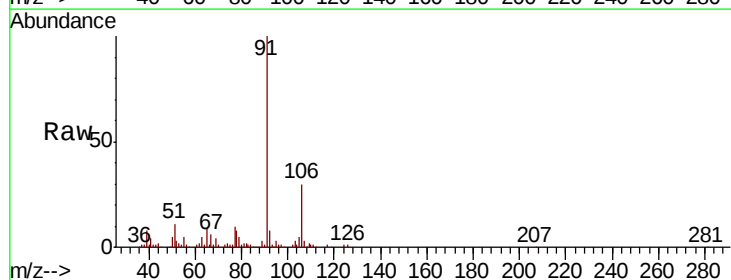
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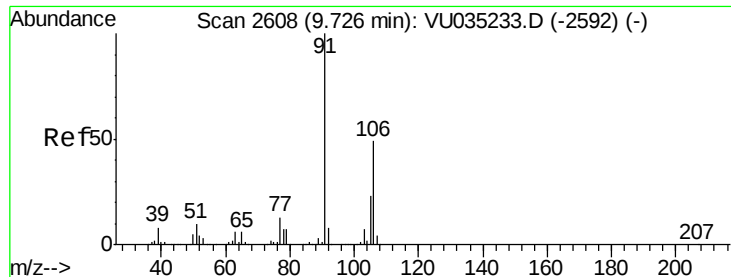
Tot Ion: 83 Resp: 15376  
Ion Ratio Lower Upper  
83 100  
55 157.8 60.4 90.6#  
98 51.9 39.5 59.3



#52  
Ethylbenzene  
Concen: 0.819 ug/L  
RT: 9.60 min Scan# 2569  
Delta R.T. 0.00 min  
Lab File: VU035237.D  
Acq: 18 Oct 2019 02:32

Tgt Ion: 91 Resp: 104295  
Ion Ratio Lower Upper  
91 100  
106 29.8 21.3 39.6





#53

m,p-Xylene

Concen: 0.150 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

Instrument :

MSVOA\_U

ClientSampleId :

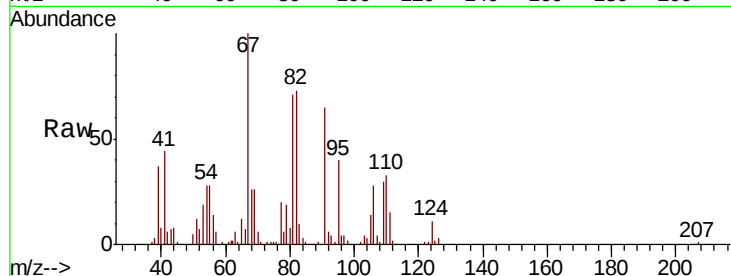
H0G41

Tot Ion:106 Resp: 7209

Ion Ratio Lower Upper

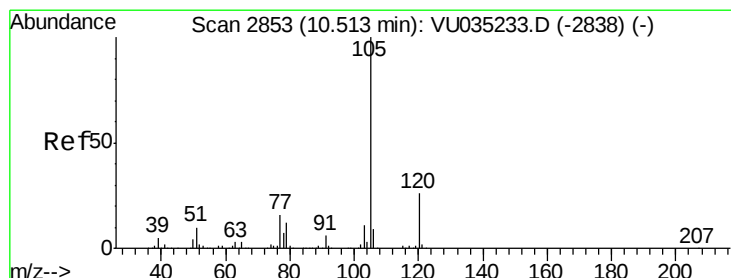
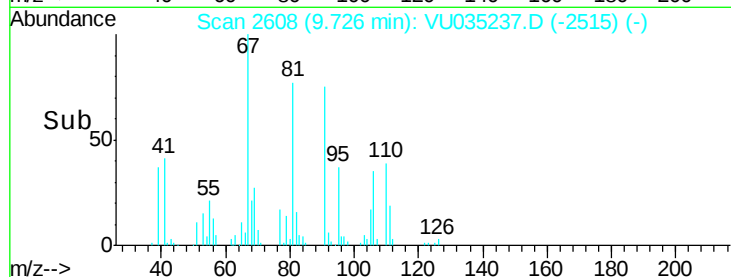
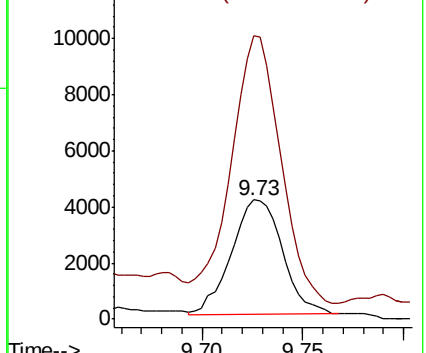
106 100

91 237.4 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 0.308 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

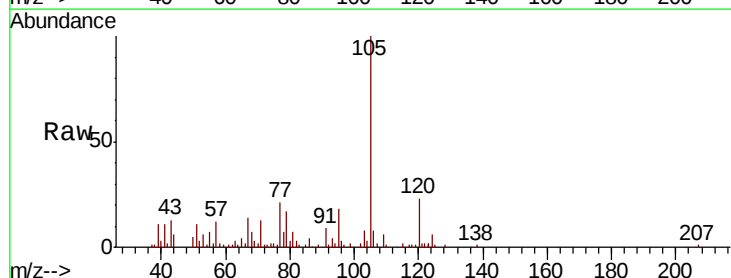
Tgt Ion:105 Resp: 38796

Ion Ratio Lower Upper

105 100

120 23.9 21.0 31.6

77 17.3 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

