

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022222\  
 Data File : VU047232.D  
 Acq On : 22 Feb 2022 15:21  
 Operator : SY/MD  
 Sample : VU0222WBL01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Feb 23 03:39:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM021022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Feb 18 00:54:38 2022  
 Response via : Initial Calibration

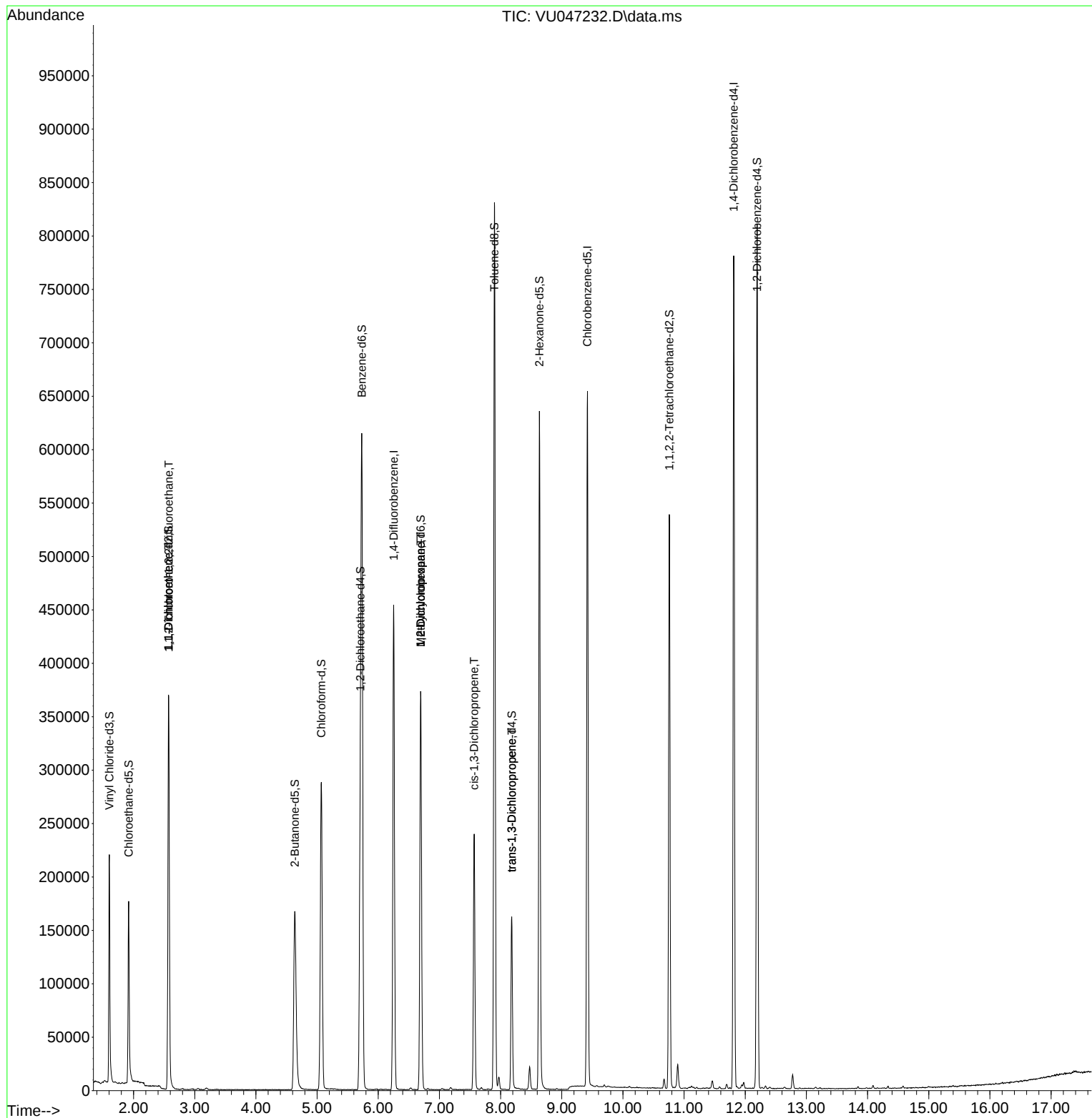
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 374193   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 363893   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 208418   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 161670   | 47.572   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 95.140%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 131293   | 52.116   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 104.240% |
| 11) 1,1-Dichloroethene-d2     | 2.571   | 63    | 214839   | 38.148   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 76.300%  |
| 21) 2-Butanone-d5             | 4.636   | 46    | 281205   | 106.692  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 106.690% |
| 24) Chloroform-d              | 5.070   | 84    | 266799   | 48.359   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.720%  |
| 26) 1,2-Dichloroethane-d4     | 5.706   | 65    | 172609   | 48.744   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.480%  |
| 32) Benzene-d6                | 5.732   | 84    | 569900   | 47.108   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.220%  |
| 36) 1,2-Dichloropropane-d6    | 6.693   | 67    | 179379   | 45.722   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 91.440%  |
| 41) Toluene-d8                | 7.899   | 98    | 541579   | 47.017   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.040%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 90133    | 43.839   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 87.680%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 228396   | 101.617  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 101.620% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 262928   | 45.961   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 91.920%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 214719   | 43.439   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 86.880%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575   | 101   | 2005     | 0.808    | ug/L # | 20       |
| 12) 1,1-Dichloroethene        | 2.571   | 96    | 1737     | 0.714    | ug/L # | 1        |
| 35) Methylcyclohexane         | 6.693   | 83    | 40349    | 8.157    | ug/L # | 21       |
| 37) 1,2-Dichloropropane       | 6.693   | 63    | 19590    | 6.444    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 5665     | 1.147    | ug/L # | 62       |
| 44) trans-1,3-Dichloropropene | 8.182   | 75    | 3891     | 0.820    | ug/L # | 59       |
| -----                         |         |       |          |          |        |          |

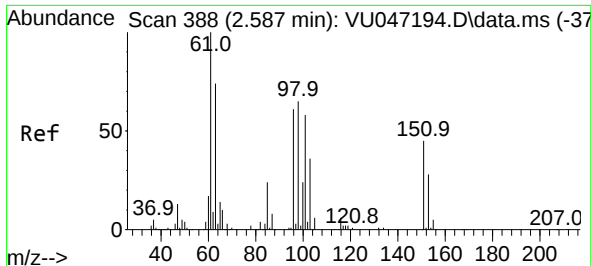
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.808 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.013 min

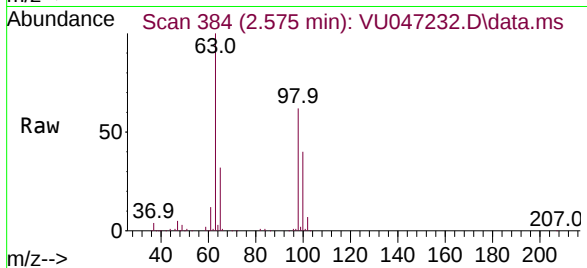
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Instrument :

MSVOA\_U

ClientSampleId :



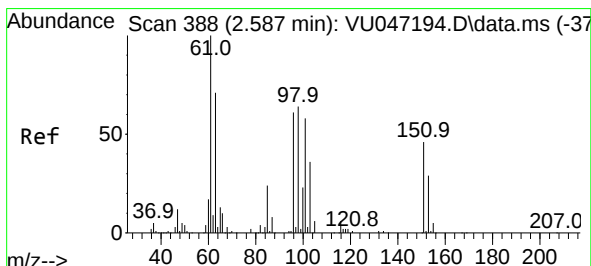
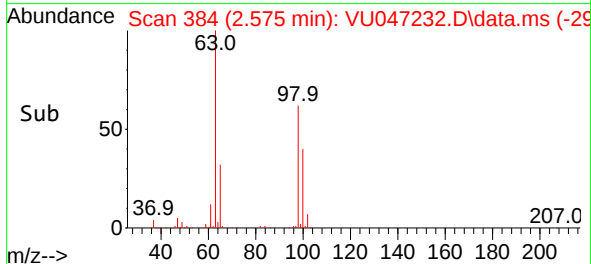
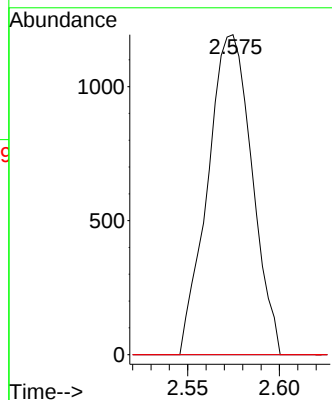
Tgt Ion:101 Resp: 2005

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

151 0.0 58.3 87.5#



#12

1,1-Dichloroethene

Concen: 0.714 ug/L

RT: 2.571 min Scan# 383

Delta R.T. -0.016 min

Lab File: VU047232.D

Acq: 22 Feb 2022 15:21

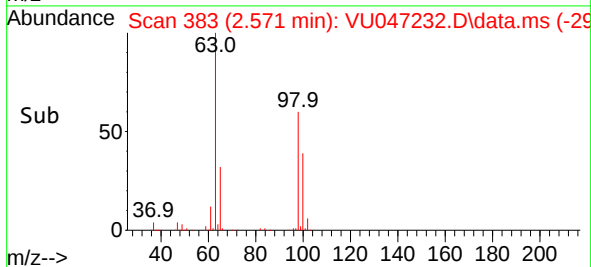
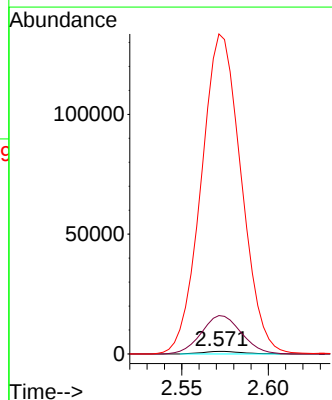
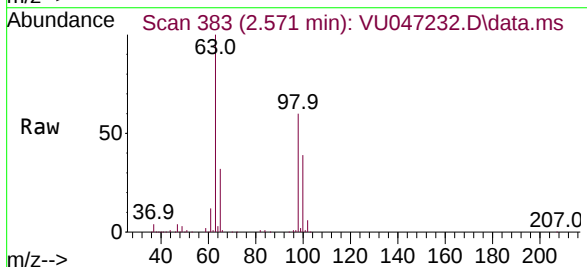
Tgt Ion: 96 Resp: 1737

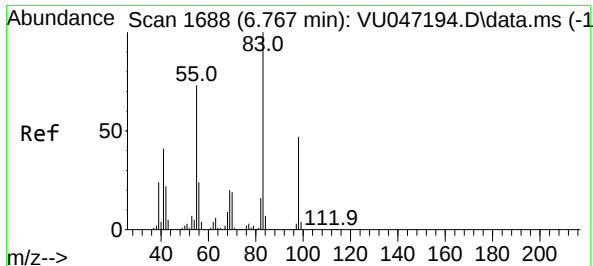
Ion Ratio Lower Upper

96 100

61 1480.7 114.9 213.3#

63 12321.8 86.0 159.8#

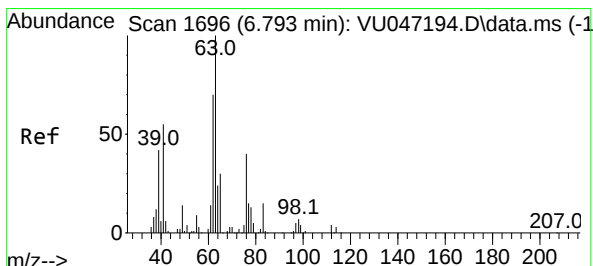
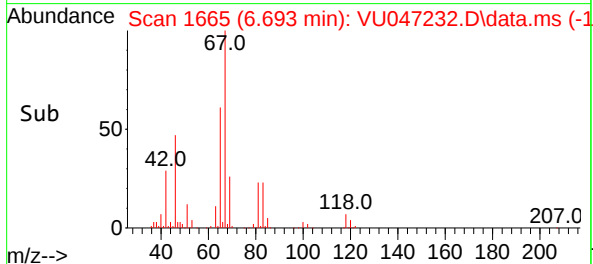
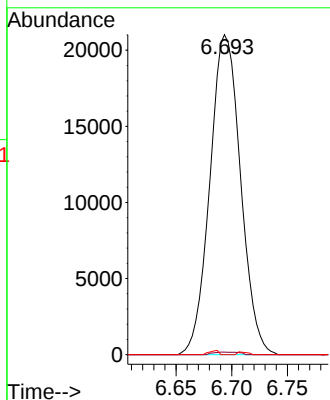
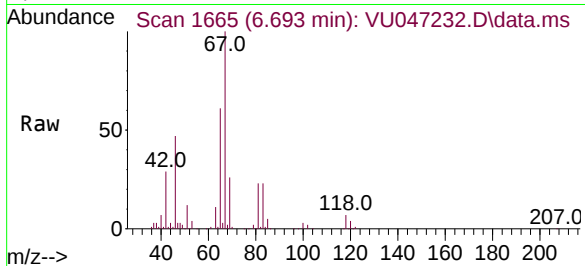




#35  
Methylcyclohexane  
Concen: 8.157 ug/L  
RT: 6.693 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU047232.D  
Acq: 22 Feb 2022 15:21

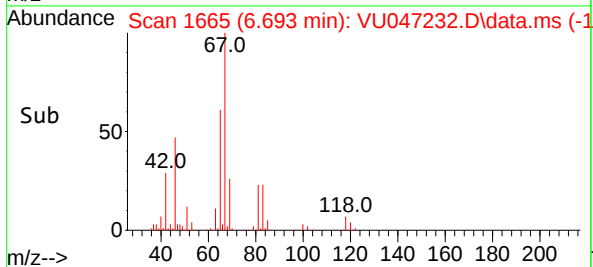
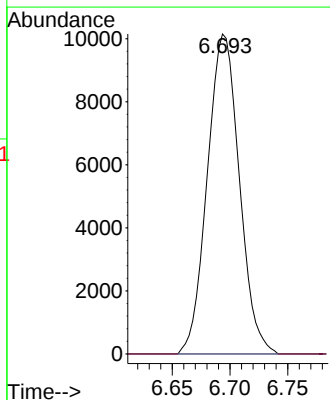
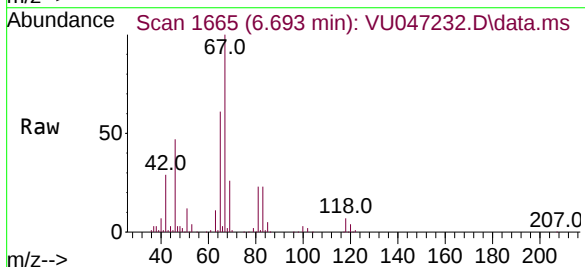
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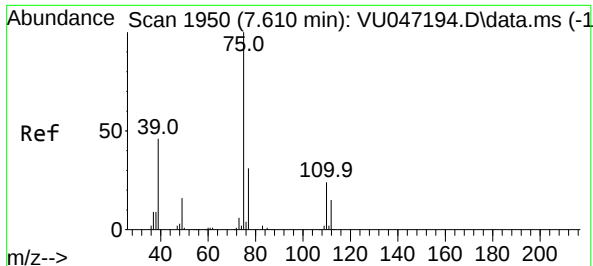
Tgt Ion: 83 Resp: 40349  
Ion Ratio Lower Upper  
83 100  
55 0.7 56.6 85.0#  
98 0.4 38.4 57.6#



#37  
1,2-Dichloropropane  
Concen: 6.444 ug/L  
RT: 6.693 min Scan# 1665  
Delta R.T. -0.100 min  
Lab File: VU047232.D  
Acq: 22 Feb 2022 15:21

Tgt Ion: 63 Resp: 19590  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.7 5.5#





#39

cis-1,3-Dichloropropene

Concen: 1.147 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU047232.D

Acq: 22 Feb 2022 15:21

Instrument :

MSVOA\_U

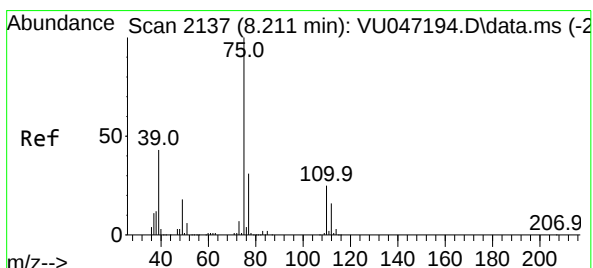
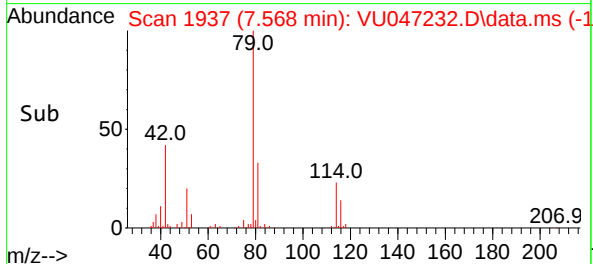
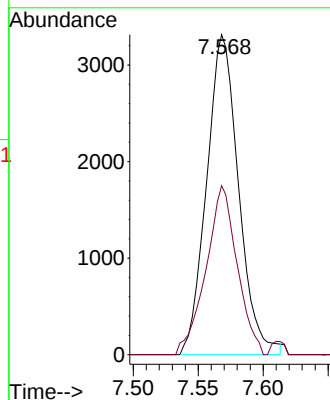
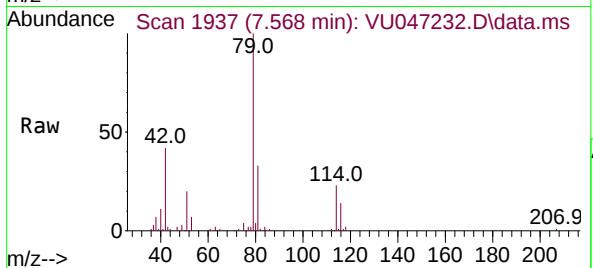
ClientSampleId :

Tgt Ion: 75 Resp: 5665

Ion Ratio Lower Upper

75 100

77 52.8 22.3 41.3#



#44

trans-1,3-Dichloropropene

Concen: 0.820 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU047232.D

Acq: 22 Feb 2022 15:21

Tgt Ion: 75 Resp: 3891

Ion Ratio Lower Upper

75 100

77 56.3 23.0 42.8#

