

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040922\  
 Data File : VU047875.D  
 Acq On : 08 Apr 2022 18:33  
 Operator : SY/MD  
 Sample : N2343-04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0HY2

Quant Time: Apr 09 02:06:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 09 01:58:44 2022  
 Response via : Initial Calibration

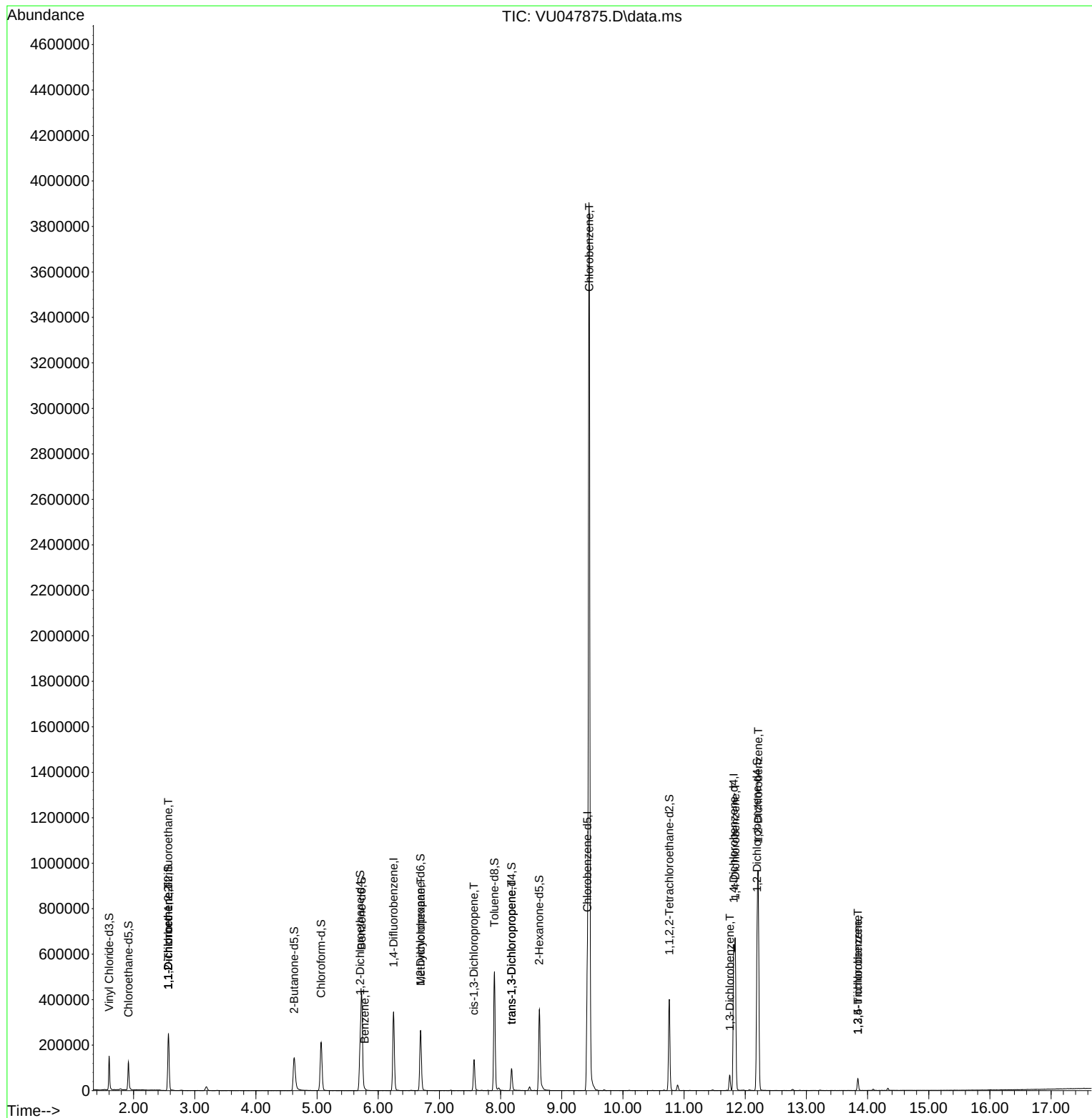
| Compound                      | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                         |                |      |                     |         |        |          |
| Internal Standards            |                |      |                     |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 287915              | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 312796              | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 164542              | 50.000  | ug/L   | 0.00     |
|                               |                |      |                     |         |        |          |
| System Monitoring Compounds   |                |      |                     |         |        |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 109727              | 52.555  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 105.100% |         |        |          |
| 7) Chloroethane-d5            | 1.916          | 69   | 94203               | 57.222  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 114.440% |         |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.568          | 63   | 142446              | 37.290  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 74.580%  |         |        |          |
| 21) 2-Butanone-d5             | 4.623          | 46   | 167535              | 93.488  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 93.490%  |         |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 196621              | 51.468  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 102.940% |         |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 127373              | 54.363  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 108.720% |         |        |          |
| 32) Benzene-d6                | 5.729          | 84   | 397259              | 50.472  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 100.940% |         |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 126272              | 52.239  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 104.480% |         |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 351728              | 45.867  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 91.740%  |         |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 54811               | 44.758  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 89.520%  |         |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 122288              | 86.421  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 86.420%  |         |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 195187              | 47.052  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 94.100%  |         |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 154917              | 52.920  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 105.840% |         |        |          |
|                               |                |      |                     |         |        |          |
| Target Compounds              |                |      |                     |         |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568          | 101  | 1612                | 0.760   | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.568          | 96   | 1187                | 0.601   | ug/L # | 1        |
| 33) Benzene                   | 5.777          | 78   | 5775                | 0.638   | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.694          | 83   | 29435               | 8.151   | ug/L # | 20       |
| 39) cis-1,3-Dichloropropene   | 7.565          | 75   | 3555                | 0.995   | ug/L # | 66       |
| 44) trans-1,3-Dichloropropene | 8.179          | 75   | 2451                | 0.687   | ug/L # | 82       |
| 51) Chlorobenzene             | 9.449          | 112  | 2178661             | 322.988 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748         | 146  | 30480               | 6.167   | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838         | 146  | 264453              | 51.654  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214         | 146  | 352698              | 71.315  | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.841         | 180  | 17417               | 4.339   | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841         | 180  | 17417               | 4.954   | ug/L   | 98       |
| -----                         |                |      |                     |         |        |          |

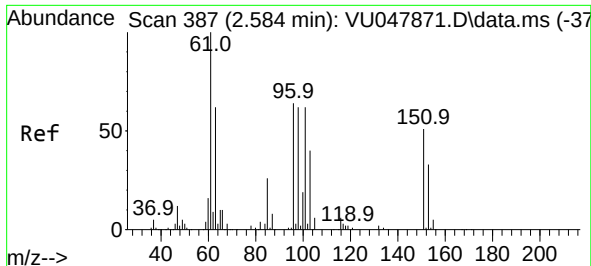
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : N2343-04  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HY2

Quant Time: Apr 09 02:06:05 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 09 01:58:44 2022  
Response via : Initial Calibration

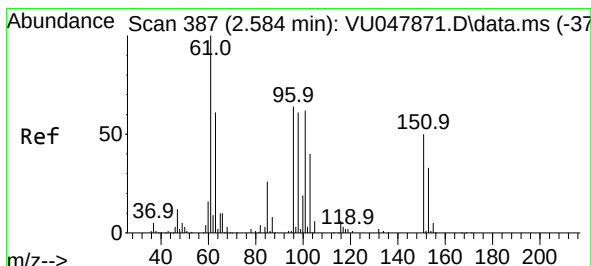
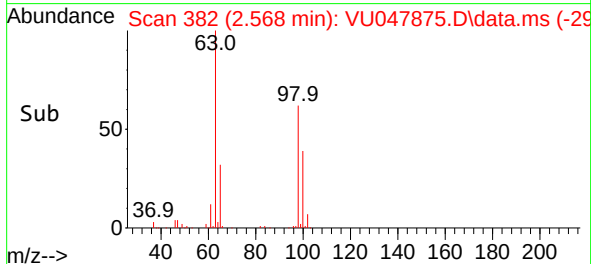
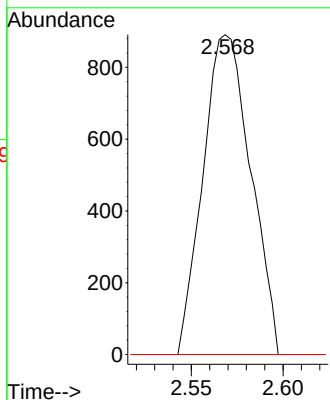
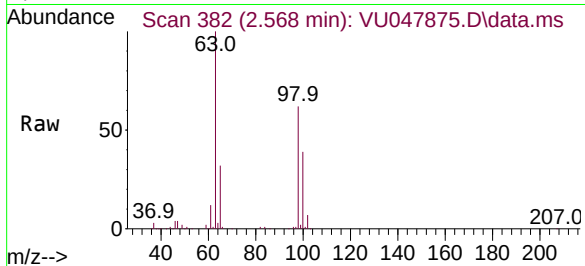




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.760 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.016 min  
 Lab File: VU047875.D  
 Acq: 08 Apr 2022 18:33

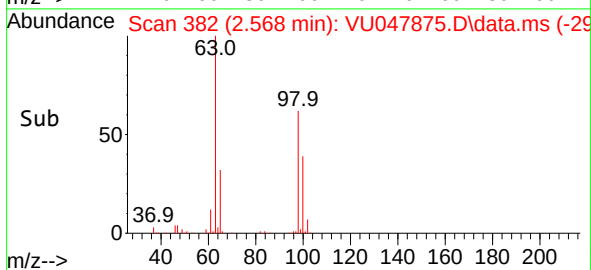
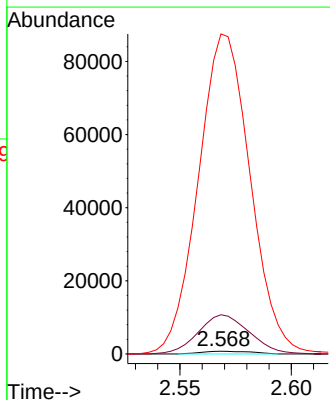
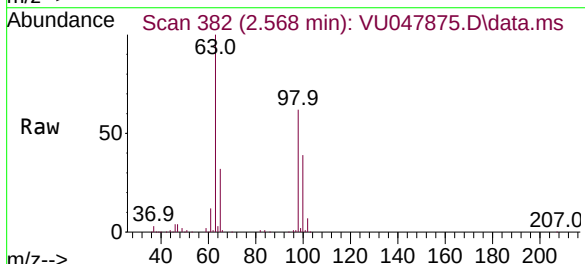
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0HY2

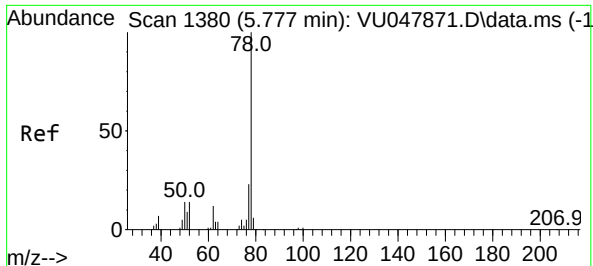
Tgt Ion:101 Resp: 1612  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 32.8 49.2#  
 151 0.0 63.0 94.6#



#12  
 1,1-Dichloroethene  
 Concen: 0.601 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.016 min  
 Lab File: VU047875.D  
 Acq: 08 Apr 2022 18:33

Tgt Ion: 96 Resp: 1187  
 Ion Ratio Lower Upper  
 96 100  
 61 1418.7 113.1 210.1#  
 63 11589.9 94.8 176.0#

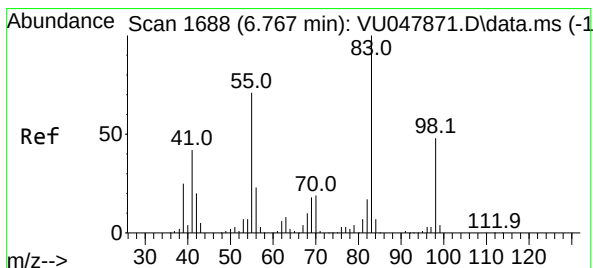
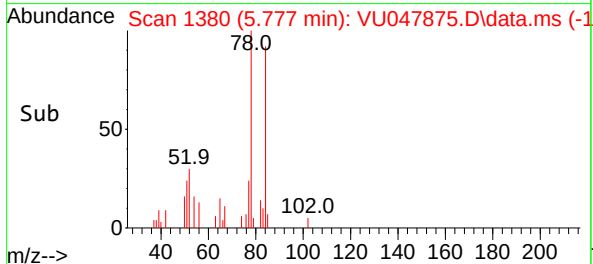
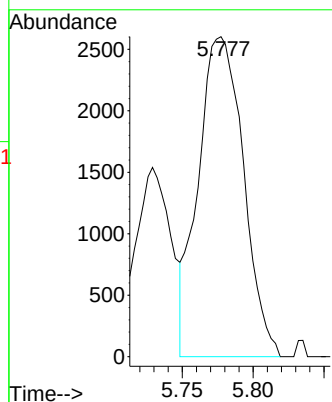
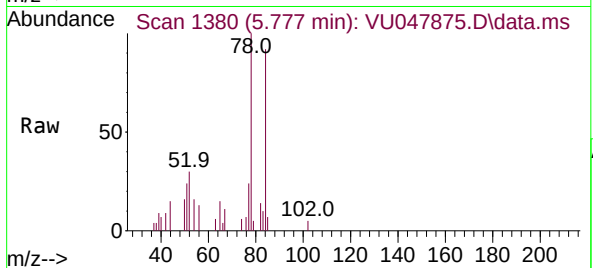




#33  
Benzene  
Concen: 0.638 ug/L  
RT: 5.777 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU047875.D  
Acq: 08 Apr 2022 18:33

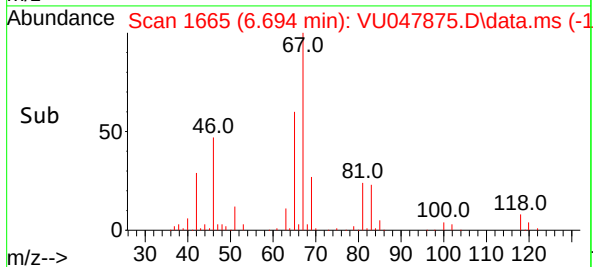
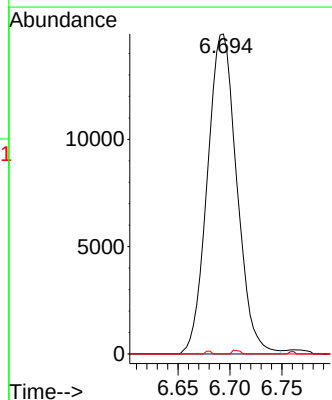
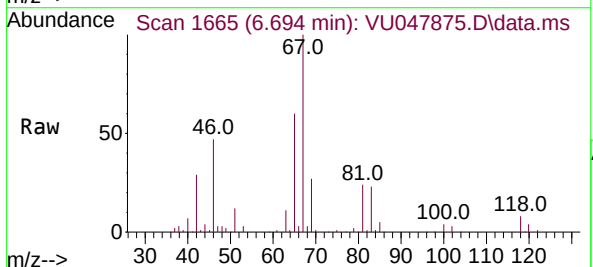
Instrument :  
MSVOA\_U  
ClientSampleId :  
C0HY2

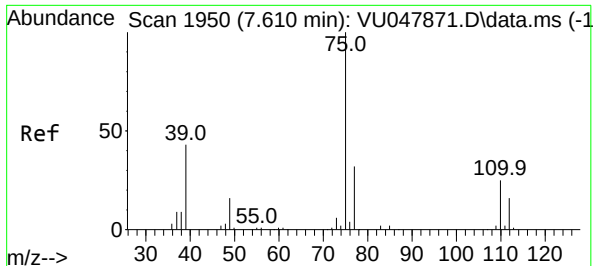
Tgt Ion: 78 Resp: 5775



#35  
Methylcyclohexane  
Concen: 8.151 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU047875.D  
Acq: 08 Apr 2022 18:33

Tgt Ion: 83 Resp: 29435  
Ion Ratio Lower Upper  
83 100  
55 0.1 56.8 85.2#  
98 0.3 38.1 57.1#





#39

cis-1,3-Dichloropropene

Concen: 0.995 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU047875.D

Acq: 08 Apr 2022 18:33

Instrument :

MSVOA\_U

ClientSampleId :

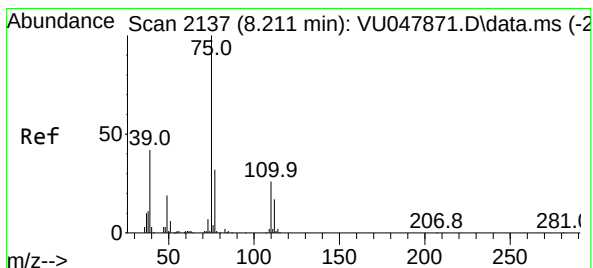
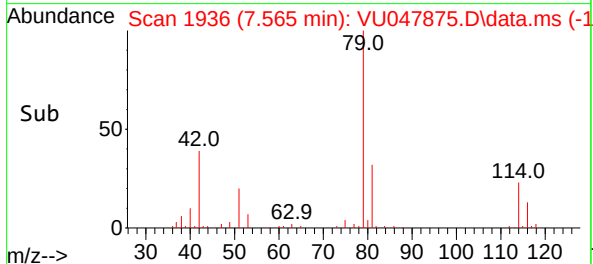
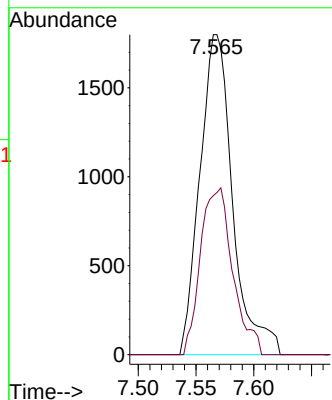
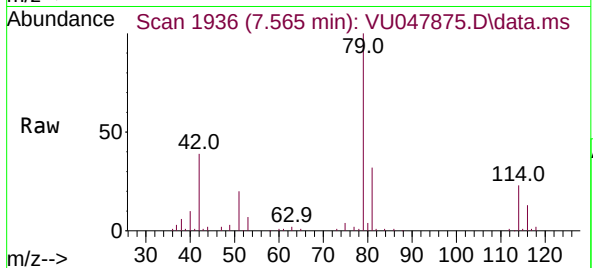
C0HY2

Tgt Ion: 75 Resp: 3555

Ion Ratio Lower Upper

75 100

77 49.7 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.687 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU047875.D

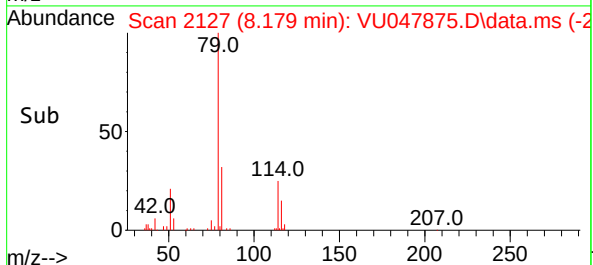
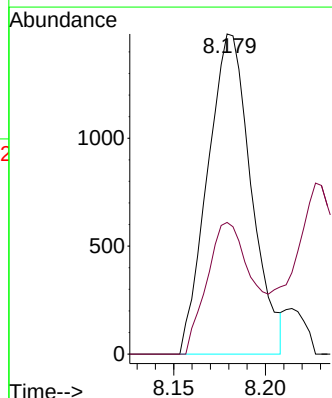
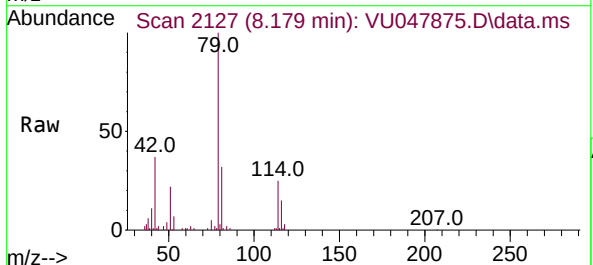
Acq: 08 Apr 2022 18:33

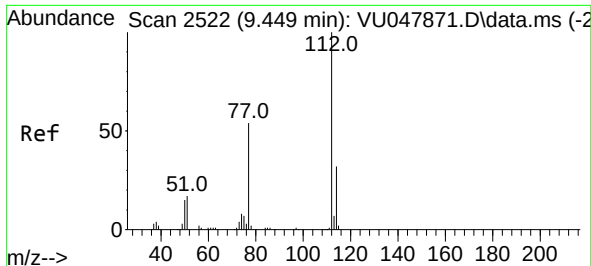
Tgt Ion: 75 Resp: 2451

Ion Ratio Lower Upper

75 100

77 41.1 22.0 40.8#

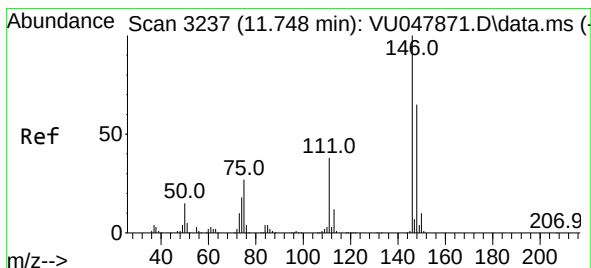
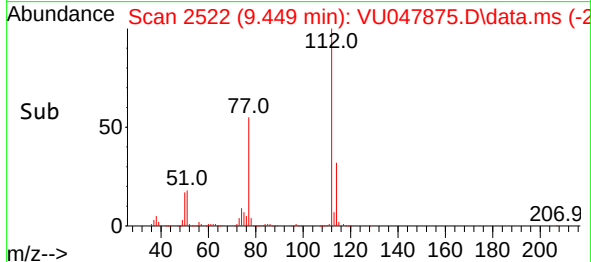
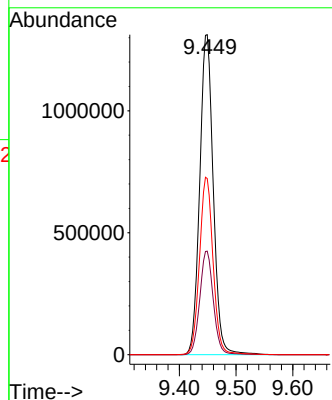
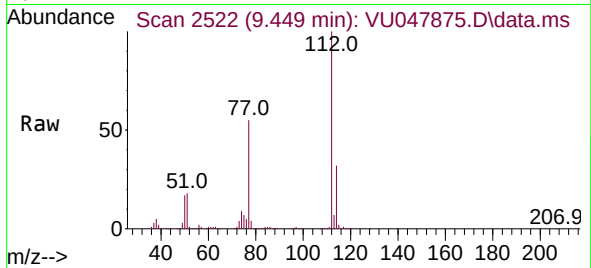




#51  
Chlorobenzene  
Concen: 322.988 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.000 min  
Lab File: VU047875.D  
Acq: 08 Apr 2022 18:33

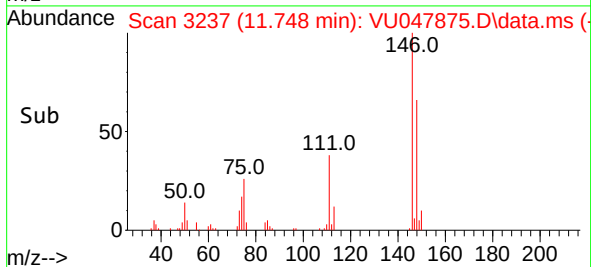
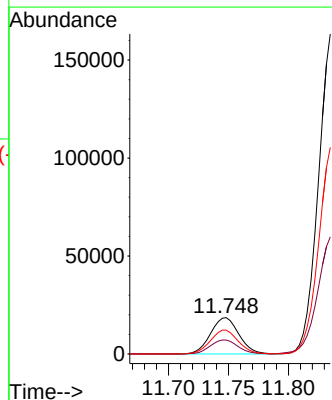
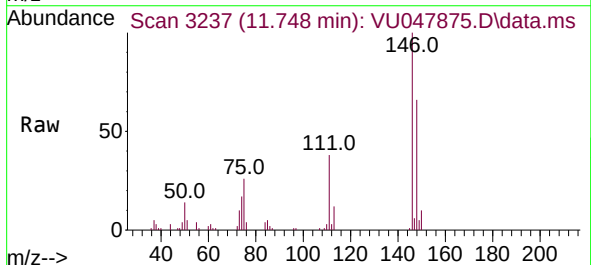
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C0HY2

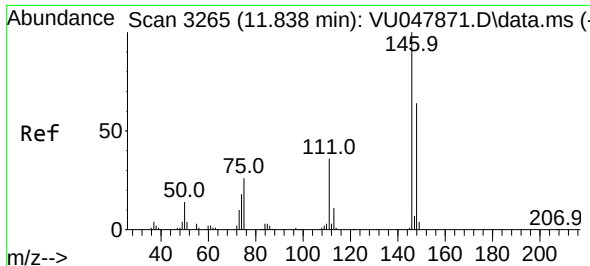
Tgt Ion:112 Resp: 2178661  
Ion Ratio Lower Upper  
112 100  
114 32.3 22.1 41.1  
77 55.1 43.4 65.0



#64  
1,3-Dichlorobenzene  
Concen: 6.167 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. 0.000 min  
Lab File: VU047875.D  
Acq: 08 Apr 2022 18:33

Tgt Ion:146 Resp: 30480  
Ion Ratio Lower Upper  
146 100  
111 38.2 26.7 49.7  
148 65.6 44.4 82.5

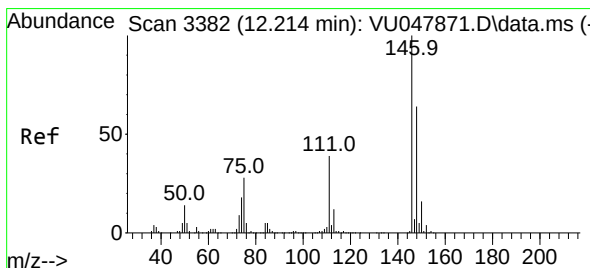
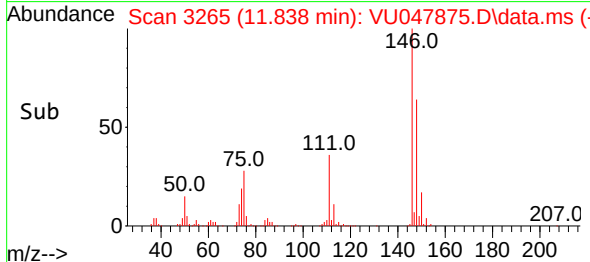
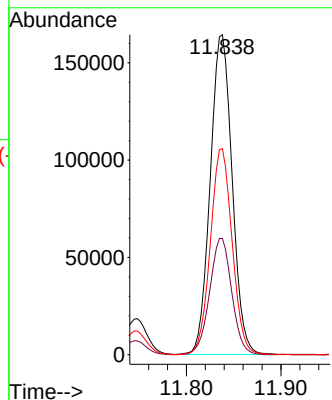
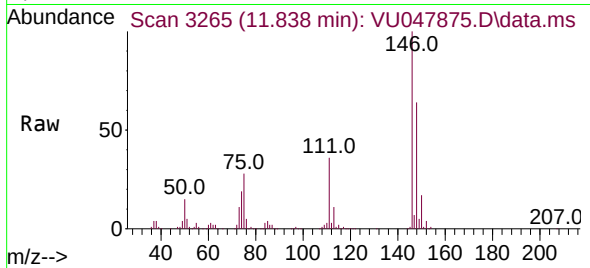




#65  
1,4-Dichlorobenzene  
Concen: 51.654 ug/L  
RT: 11.838 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU047875.D  
Acq: 08 Apr 2022 18:33

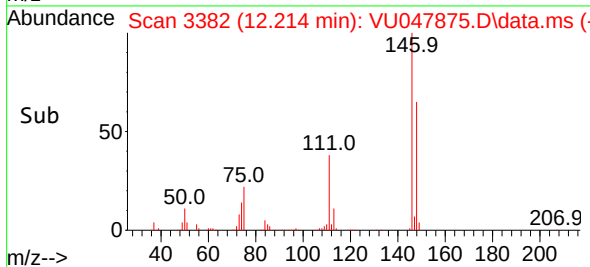
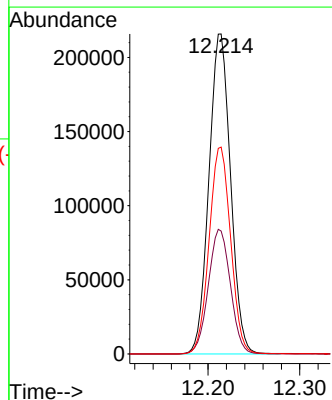
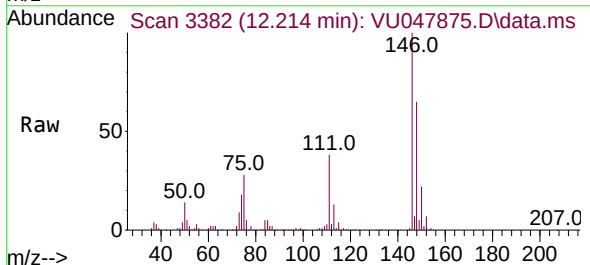
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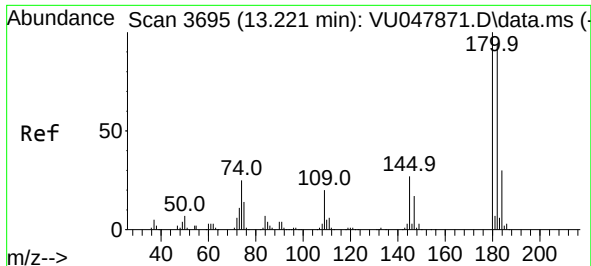
Tgt Ion:146 Resp: 264453  
Ion Ratio Lower Upper  
146 100  
111 36.3 25.3 47.1  
148 64.4 44.5 82.7



#67  
1,2-Dichlorobenzene  
Concen: 71.315 ug/L  
RT: 12.214 min Scan# 3382  
Delta R.T. 0.000 min  
Lab File: VU047875.D  
Acq: 08 Apr 2022 18:33

Tgt Ion:146 Resp: 352698  
Ion Ratio Lower Upper  
146 100  
111 38.4 31.7 47.5  
148 64.7 51.4 77.2





#69

1,3,5-Trichlorobenzene

Concen: 4.339 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.621 min

Lab File: VU047875.D

Acq: 08 Apr 2022 18:33

Instrument :

MSVOA\_U

ClientSampleId :

C0HY2

Tgt Ion:180 Resp: 17417

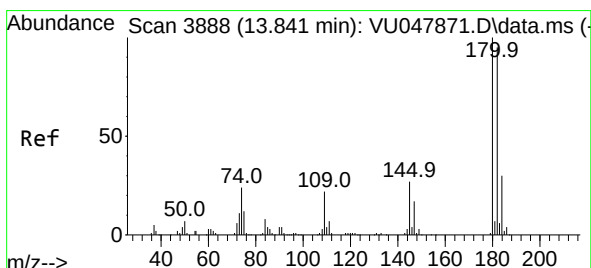
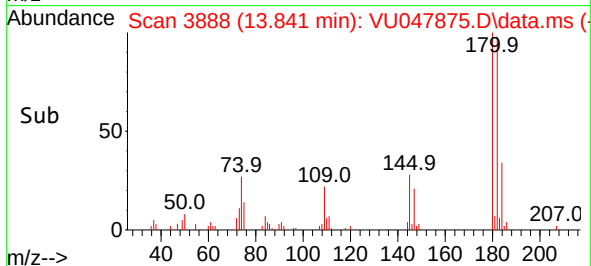
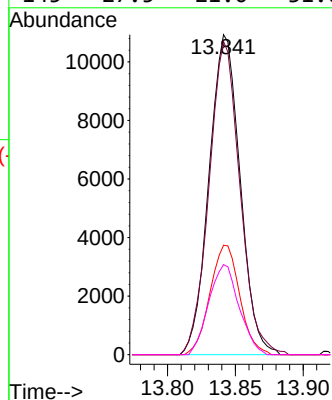
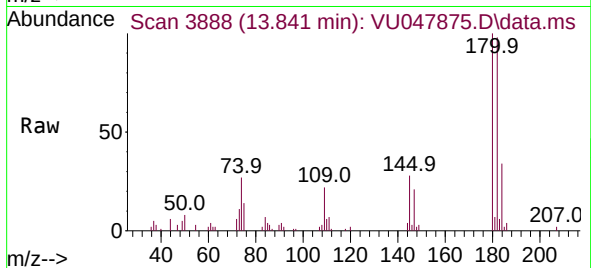
Ion Ratio Lower Upper

180 100

182 97.3 77.0 115.6

184 32.8 24.5 36.7

145 27.5 21.0 31.6



#70

1,2,4-trichlorobenzene

Concen: 4.954 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU047875.D

Acq: 08 Apr 2022 18:33

Tgt Ion:180 Resp: 17417

Ion Ratio Lower Upper

180 100

182 97.3 76.2 114.2

145 27.5 21.8 32.8

