

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041822\  
 Data File : VU048122.D  
 Acq On : 18 Apr 2022 15:38  
 Operator : SY/MD  
 Sample : N2419-07DL 400X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J54DL

Quant Time: Apr 19 03:40:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 19 03:36:43 2022  
 Response via : Initial Calibration

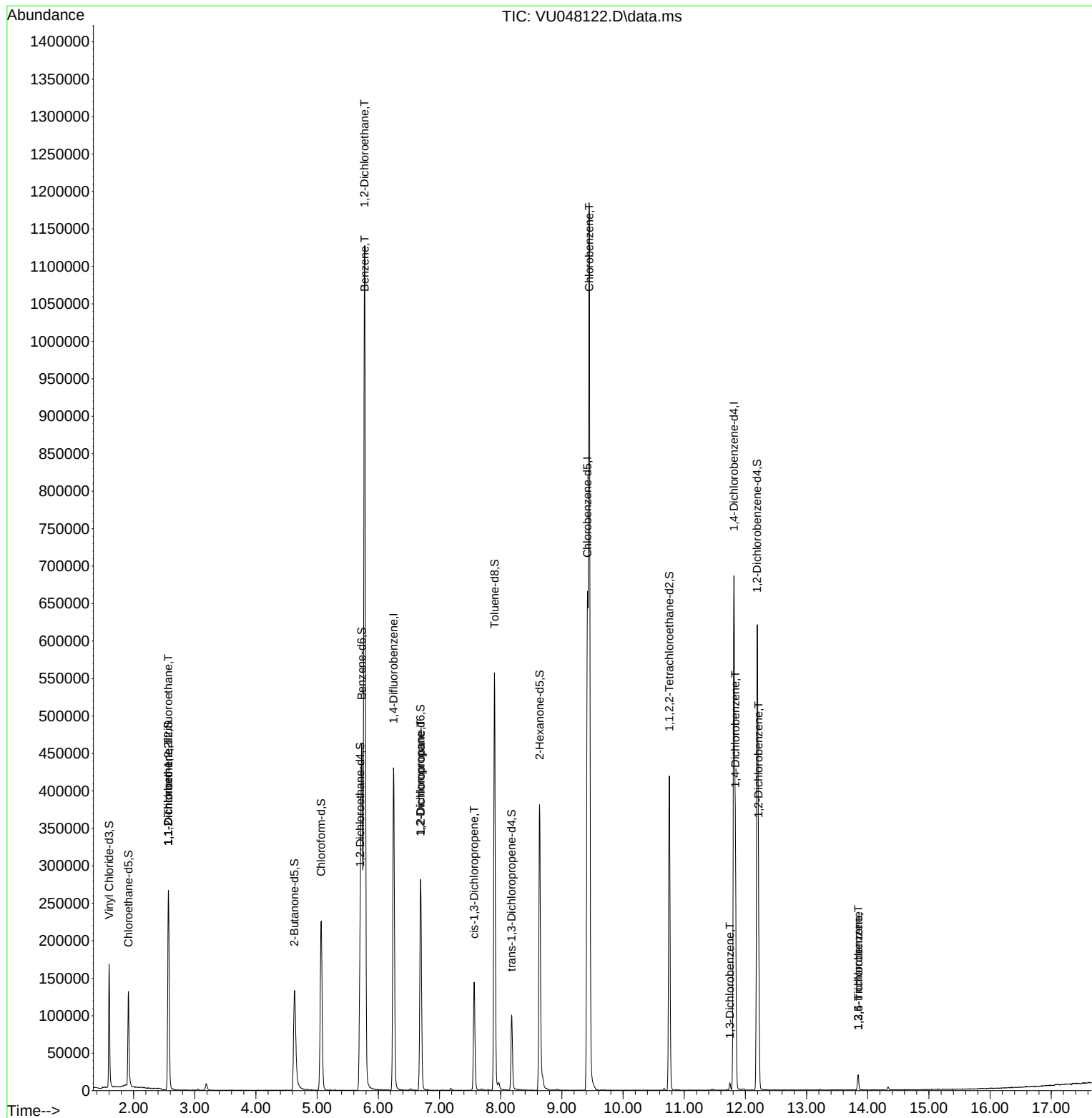
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 371799     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 380397     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 192927     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 123434     | 45.781  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 91.560% |        |          |
| 7) Chloroethane-d5            | 1.916          | 69   | 100898     | 47.461  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 94.920% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.568          | 63   | 155036     | 31.429  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 62.860% |        |          |
| 21) 2-Butanone-d5             | 4.629          | 46   | 189540     | 81.904  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 81.900% |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 212464     | 43.068  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.140% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 133727     | 44.198  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.400% |        |          |
| 32) Benzene-d6                | 5.729          | 84   | 433591     | 45.299  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.600% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 139925     | 47.600  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 95.200% |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 381234     | 40.879  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 81.760% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 60516      | 40.635  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 81.260% |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 131696     | 76.530  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 76.530% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 211668     | 41.957  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 83.920% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192         | 152  | 164474     | 47.919  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.840% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568          | 101  | 1588       | 0.579   | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.568          | 96   | 1339       | 0.525   | ug/L # | 1        |
| 27) 1,2-Dichloroethane        | 5.774          | 62   | 8862       | 2.246   | ug/L # | 75       |
| 33) Benzene                   | 5.777          | 78   | 1100047    | 99.907  | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.694          | 63   | 14530      | 5.191   | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.565          | 75   | 3150       | 0.725   | ug/L # | 55       |
| 51) Chlorobenzene             | 9.449          | 112  | 674606     | 82.238  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748         | 146  | 4461       | 0.770   | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 11.838         | 146  | 132120     | 22.010  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214         | 146  | 94896      | 16.365  | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.844         | 180  | 7788       | 1.655   | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.844         | 180  | 7788       | 1.889   | ug/L   | 97       |
| -----                         |                |      |            |         |        |          |

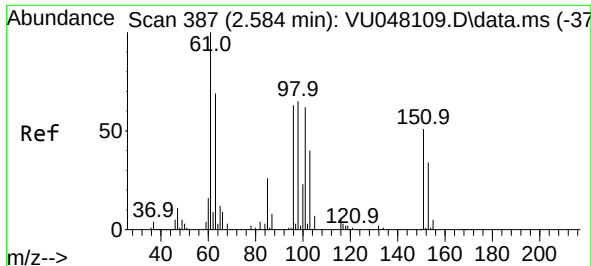
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041822\  
Data File : VU048122.D  
Acq On : 18 Apr 2022 15:38  
Operator : SY/MD  
Sample : N2419-07DL 400X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0J54DL

Quant Time: Apr 19 03:40:44 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 19 03:36:43 2022  
Response via : Initial Calibration

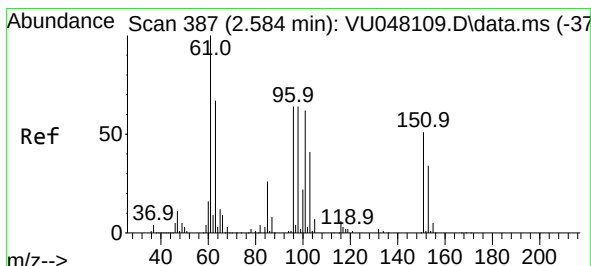
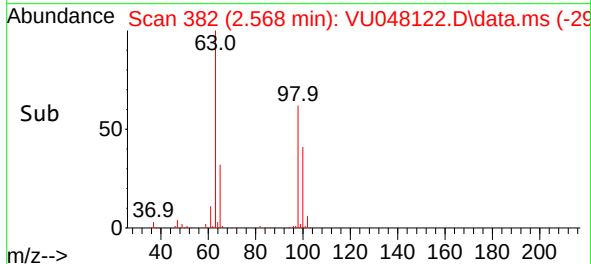
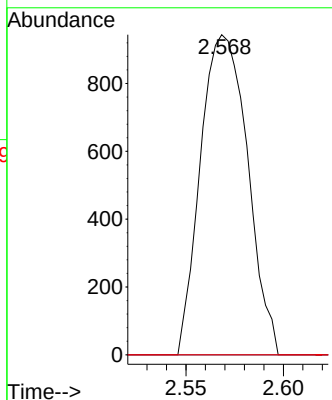
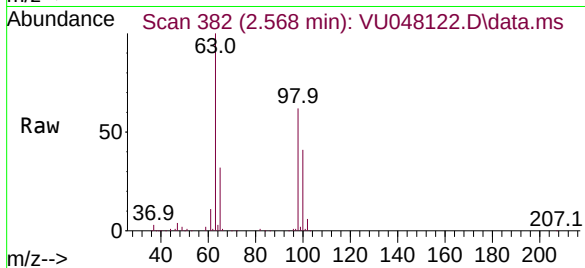




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.579 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.016 min  
 Lab File: VU048122.D  
 Acq: 18 Apr 2022 15:38

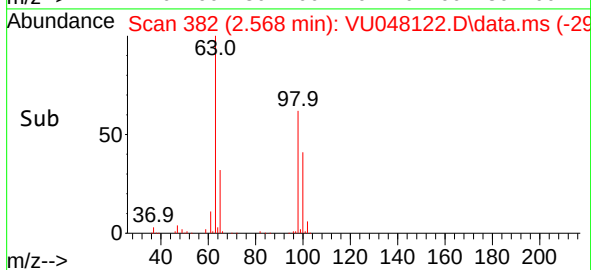
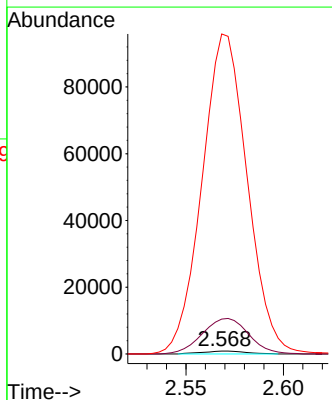
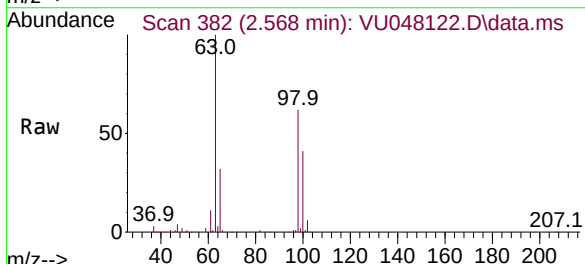
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J54DL

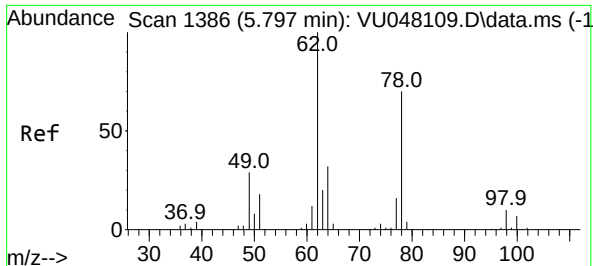
Tgt Ion:101 Resp: 1588  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 32.8 49.2#  
 151 0.0 63.0 94.6#



#12  
 1,1-Dichloroethene  
 Concen: 0.525 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.016 min  
 Lab File: VU048122.D  
 Acq: 18 Apr 2022 15:38

Tgt Ion: 96 Resp: 1339  
 Ion Ratio Lower Upper  
 96 100  
 61 1200.6 113.1 210.1#  
 63 11009.0 94.8 176.0#





#27

1,2-Dichloroethane

Concen: 2.246 ug/L

RT: 5.774 min Scan# 11

Delta R.T. -0.023 min

Lab File: VU048122.D

Acq: 18 Apr 2022 15:38

Instrument :

MSVOA\_U

ClientSampleId :

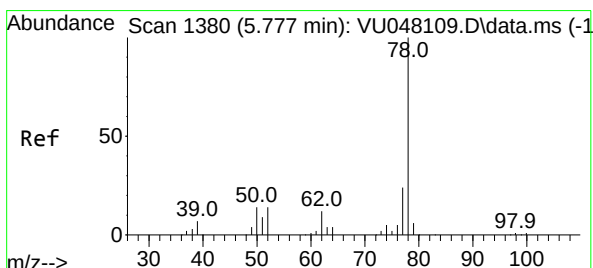
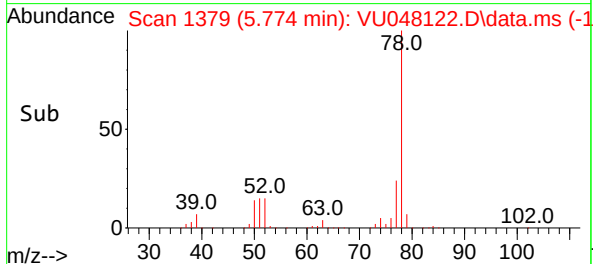
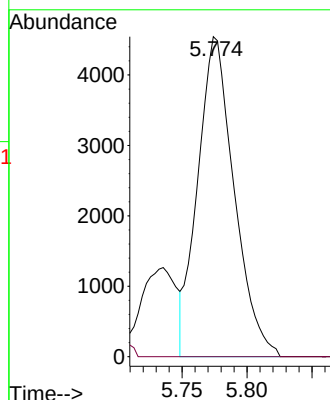
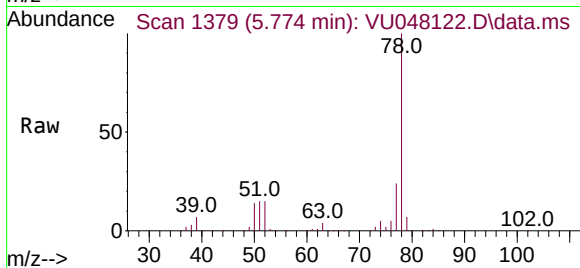
C0J54DL

Tgt Ion: 62 Resp: 8862

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#33

Benzene

Concen: 99.907 ug/L

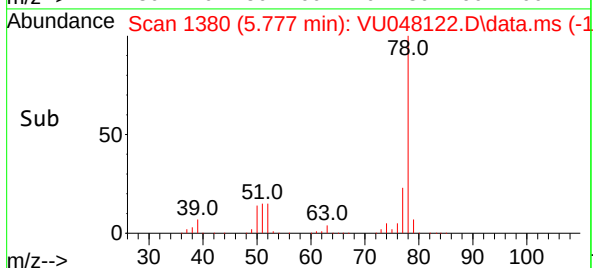
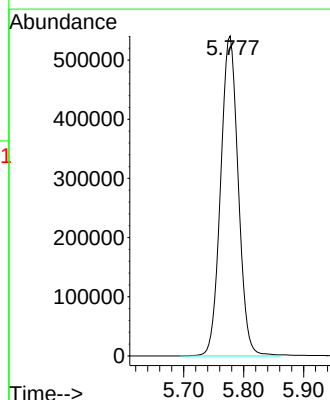
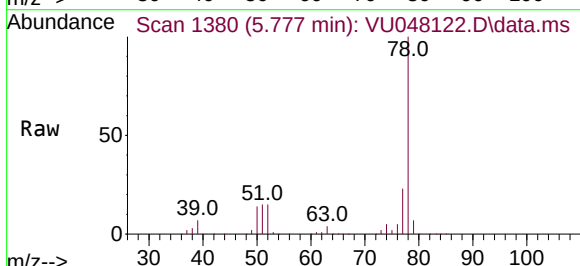
RT: 5.777 min Scan# 1380

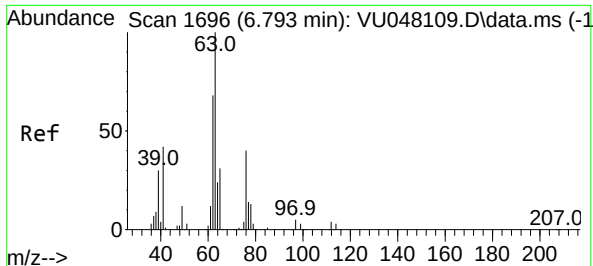
Delta R.T. -0.000 min

Lab File: VU048122.D

Acq: 18 Apr 2022 15:38

Tgt Ion: 78 Resp: 1100047





#37

1,2-Dichloropropane

Concen: 5.191 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU048122.D

Acq: 18 Apr 2022 15:38

Instrument :

MSVOA\_U

ClientSampleId :

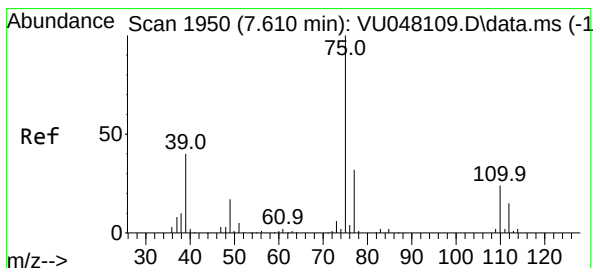
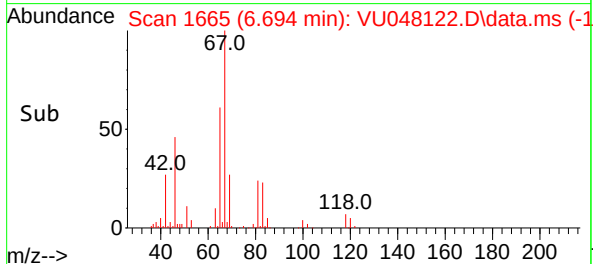
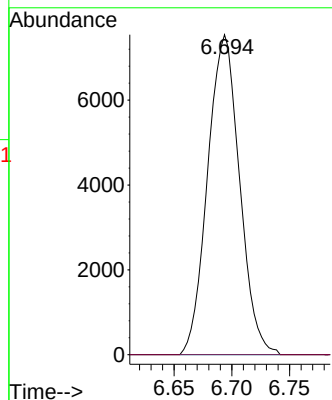
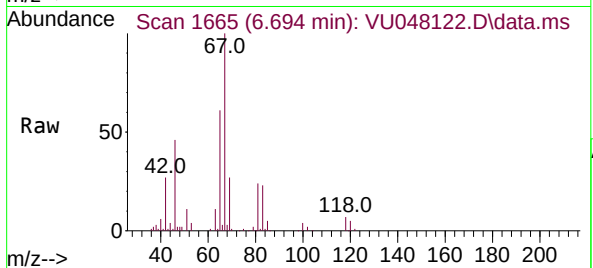
C0J54DL

Tgt Ion: 63 Resp: 14530

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.725 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU048122.D

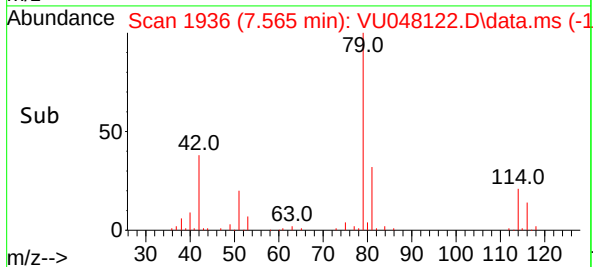
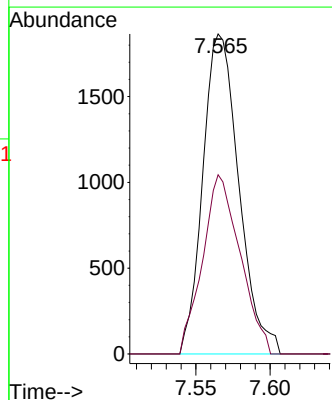
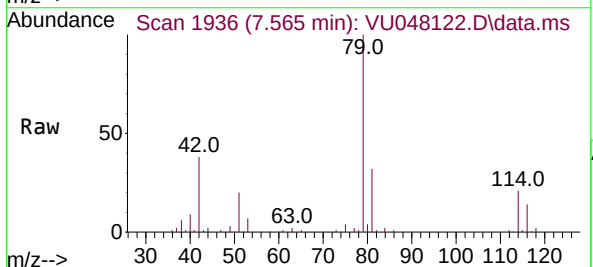
Acq: 18 Apr 2022 15:38

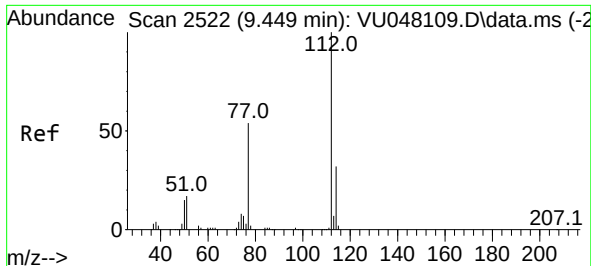
Tgt Ion: 75 Resp: 3150

Ion Ratio Lower Upper

75 100

77 56.0 21.8 40.6#

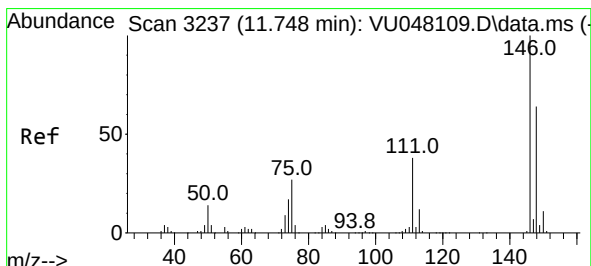
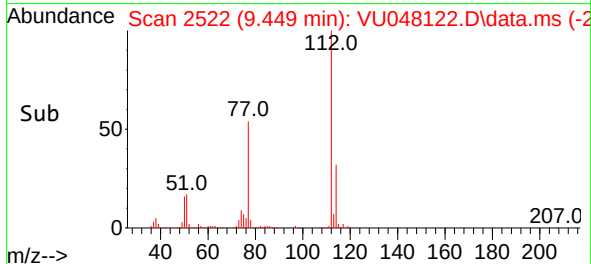
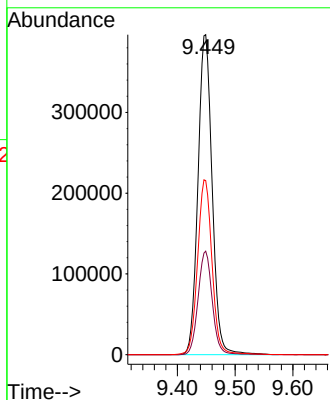
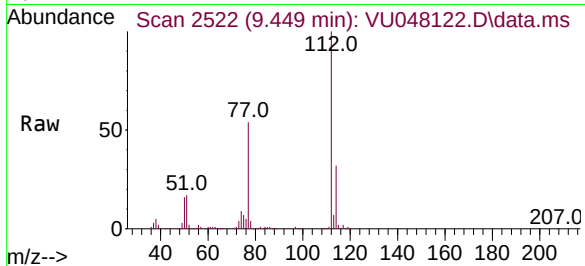




#51  
Chlorobenzene  
Concen: 82.238 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. -0.000 min  
Lab File: VU048122.D  
Acq: 18 Apr 2022 15:38

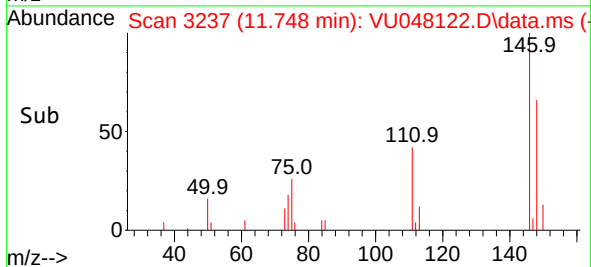
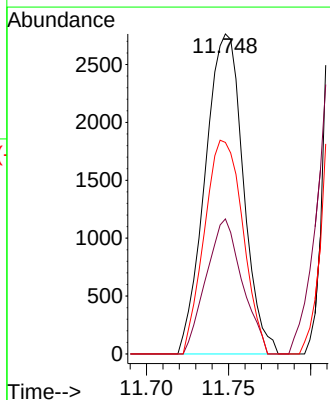
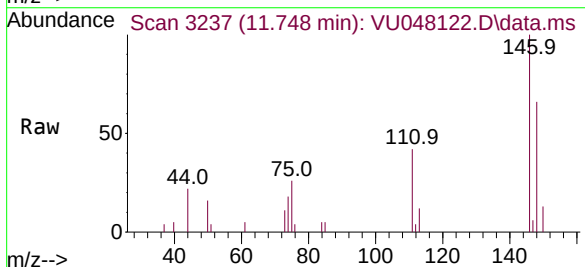
Instrument :  
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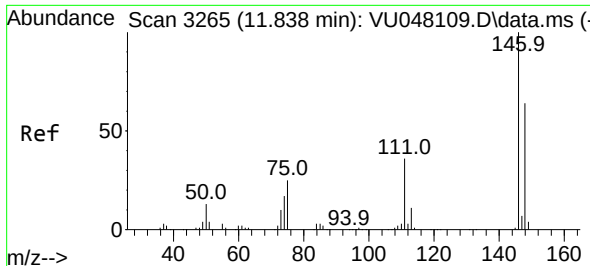
Tgt Ion:112 Resp: 674606  
Ion Ratio Lower Upper  
112 100  
114 32.4 22.1 41.1  
77 54.4 43.4 65.0



#64  
1,3-Dichlorobenzene  
Concen: 0.770 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. -0.000 min  
Lab File: VU048122.D  
Acq: 18 Apr 2022 15:38

Tgt Ion:146 Resp: 4461  
Ion Ratio Lower Upper  
146 100  
111 42.2 26.7 49.7  
148 66.1 44.4 82.5

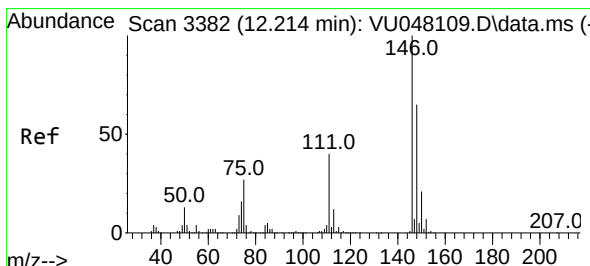
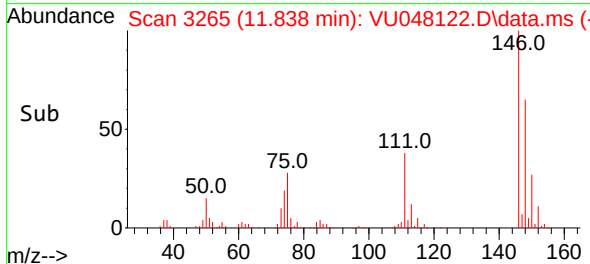
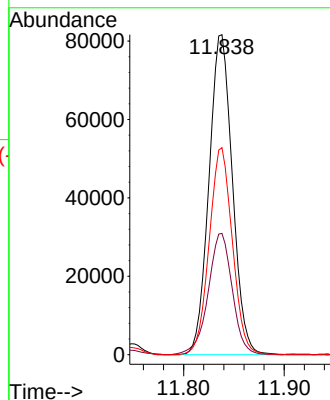
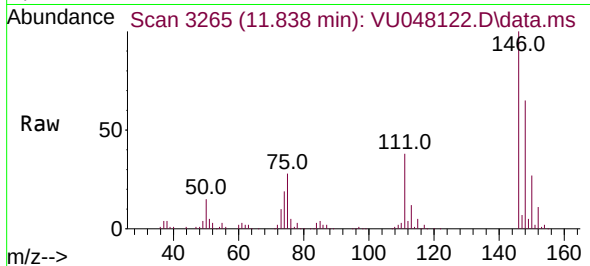




#65  
1,4-Dichlorobenzene  
Concen: 22.010 ug/L  
RT: 11.838 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU048122.D  
Acq: 18 Apr 2022 15:38

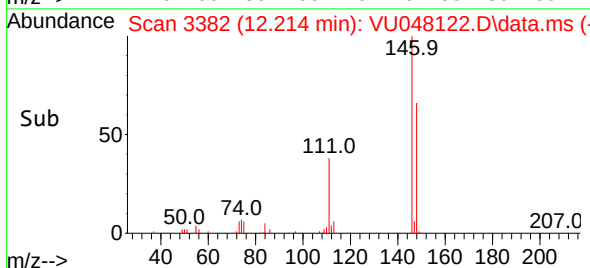
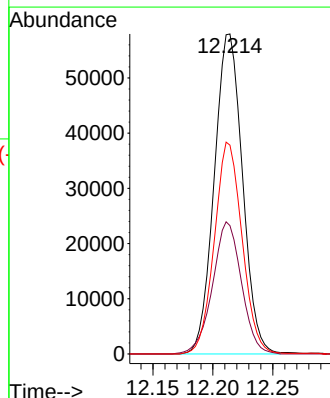
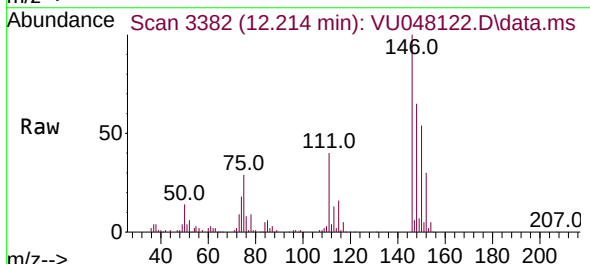
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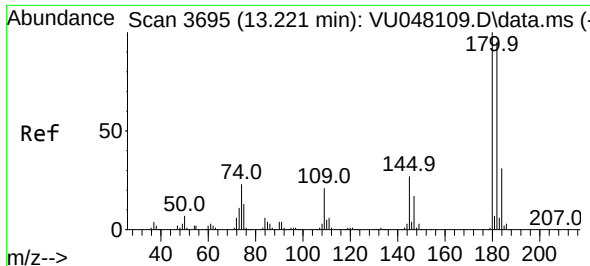
Tgt Ion:146 Resp: 132120  
Ion Ratio Lower Upper  
146 100  
111 37.9 25.3 47.1  
148 64.7 44.5 82.7



#67  
1,2-Dichlorobenzene  
Concen: 16.365 ug/L  
RT: 12.214 min Scan# 3382  
Delta R.T. -0.000 min  
Lab File: VU048122.D  
Acq: 18 Apr 2022 15:38

Tgt Ion:146 Resp: 94896  
Ion Ratio Lower Upper  
146 100  
111 40.1 31.7 47.5  
148 65.2 51.4 77.2

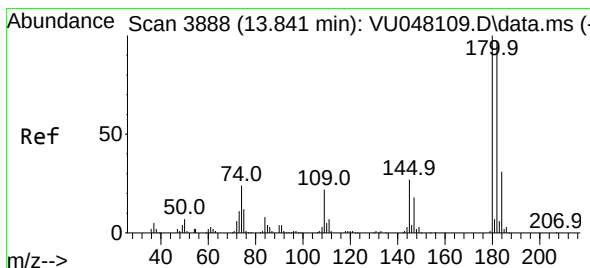
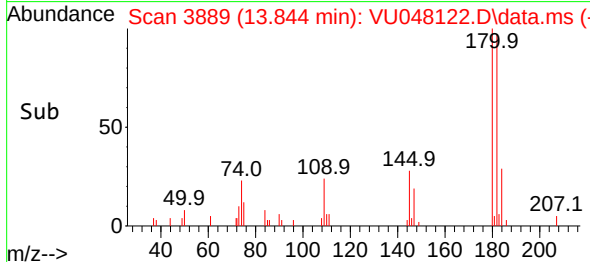
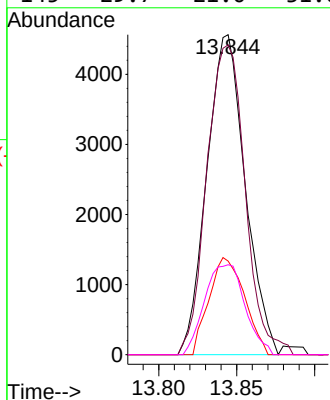
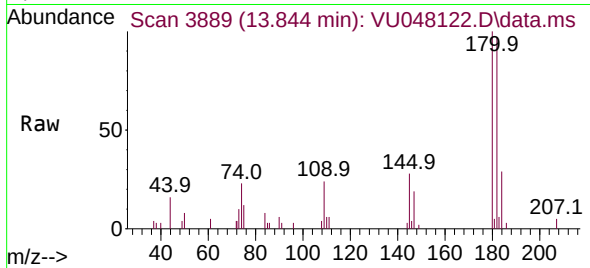




#69  
 1,3,5-Trichlorobenzene  
 Concen: 1.655 ug/L  
 RT: 13.844 min Scan# 3889  
 Delta R.T. 0.624 min  
 Lab File: VU048122.D  
 Acq: 18 Apr 2022 15:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J54DL

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 7788       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 97.1  | 77.0 115.6 |
| 184         | 28.2  | 24.5 36.7  |
| 145         | 29.7  | 21.0 31.6  |



#70  
 1,2,4-trichlorobenzene  
 Concen: 1.889 ug/L  
 RT: 13.844 min Scan# 3889  
 Delta R.T. 0.003 min  
 Lab File: VU048122.D  
 Acq: 18 Apr 2022 15:38

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 7788       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 97.1  | 76.2 114.2 |
| 145         | 29.7  | 21.8 32.8  |

