

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042022\  
 Data File : VU048152.D  
 Acq On : 20 Apr 2022 18:50  
 Operator : SY/MD  
 Sample : N2485-09  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J15

Quant Time: Apr 21 02:44:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 21 02:37:57 2022  
 Response via : Initial Calibration

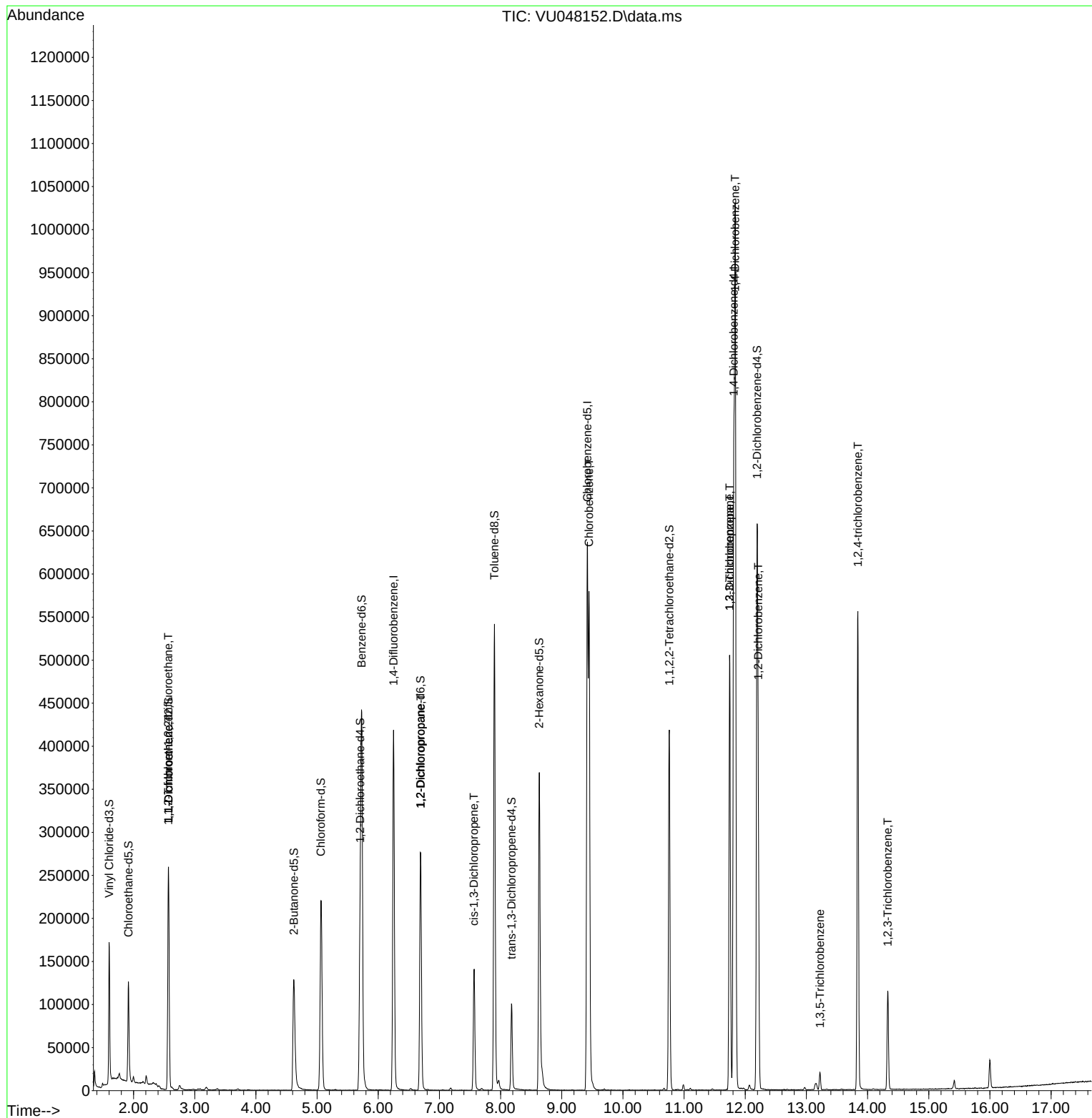
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 356958     | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 375562     | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 200380     | 50.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.600          | 65   | 109212     | 42.191  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 84.380% |        |          |
| 7) Chloroethane-d5            | 1.916          | 69   | 92045      | 45.097  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 90.200% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.571          | 63   | 147062     | 31.052  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 62.100% |        |          |
| 21) 2-Butanone-d5             | 4.620          | 46   | 189756     | 85.407  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 85.410% |        |          |
| 24) Chloroform-d              | 5.063          | 84   | 210413     | 44.425  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.860% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 131028     | 45.106  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 90.220% |        |          |
| 32) Benzene-d6                | 5.729          | 84   | 421702     | 44.624  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.240% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 140040     | 48.252  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 96.500% |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 372976     | 40.509  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 81.020% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 57769      | 39.290  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 78.580% |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 131669     | 77.499  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 77.500% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 212478     | 42.660  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 85.320% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 168184     | 47.177  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.360% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568          | 101  | 1312       | 0.499   | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.571          | 96   | 1302       | 0.532   | ug/L # | 1        |
| 37) 1,2-Dichloropropane       | 6.693          | 63   | 13743      | 4.973   | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.565          | 75   | 3172       | 0.740   | ug/L # | 60       |
| 51) Chlorobenzene             | 9.446          | 112  | 318846     | 39.369  | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 11.745         | 75   | 59033      | 15.628  | ug/L # | 49       |
| 64) 1,3-Dichlorobenzene       | 11.745         | 146  | 223696     | 37.163  | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.835         | 146  | 413388     | 66.304  | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 12.211         | 146  | 121792     | 20.222  | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.221         | 180  | 7627       | 1.560   | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841         | 180  | 189615     | 44.283  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330         | 180  | 39814      | 9.275   | ug/L   | 100      |
| -----                         |                |      |            |         |        |          |

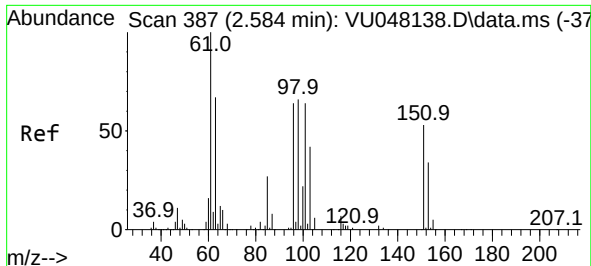
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042022\  
Data File : VU048152.D  
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Sample : N2485-09  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
C0J15

Quant Time: Apr 21 02:44:21 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 21 02:37:57 2022  
Response via : Initial Calibration

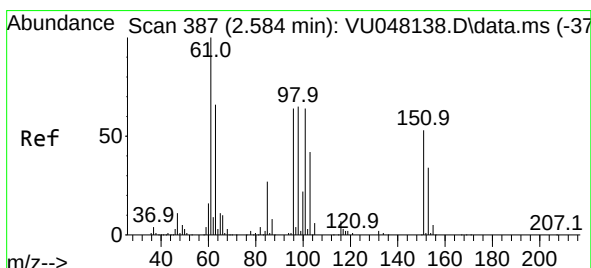
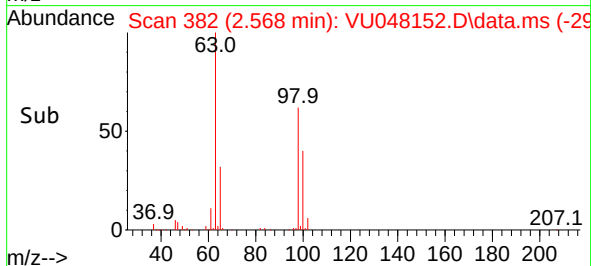
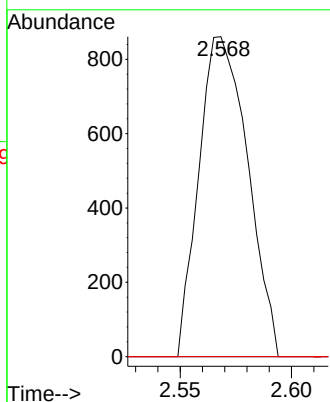
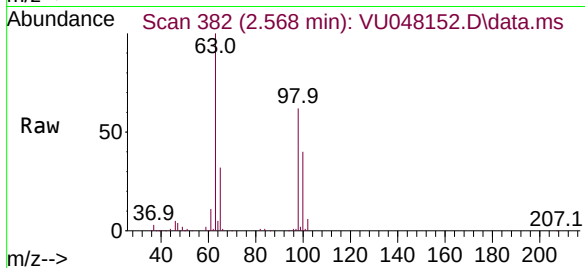




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.499 ug/L  
 RT: 2.568 min Scan# 31  
 Delta R.T. -0.016 min  
 Lab File: VU048152.D  
 Acq: 20 Apr 2022 18:50

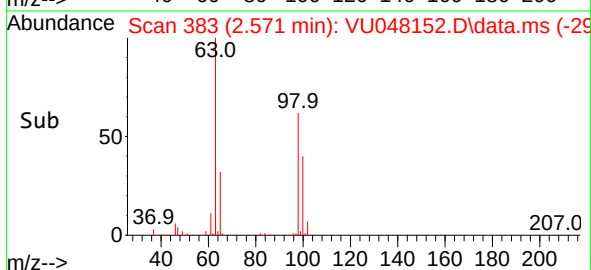
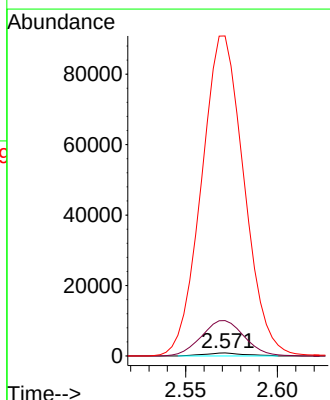
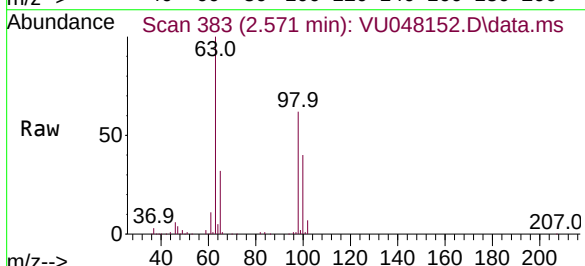
Instrument :  
 MSVOA\_U  
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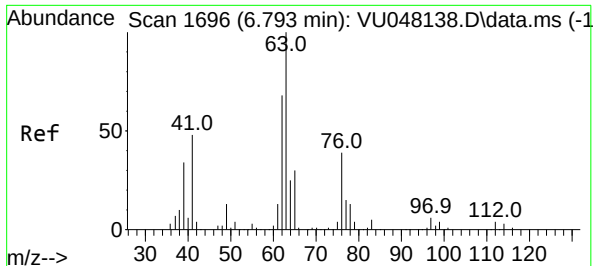
Tgt Ion:101 Resp: 1312  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 32.8 49.2#  
 151 0.0 63.0 94.6#



#12  
 1,1-Dichloroethene  
 Concen: 0.532 ug/L  
 RT: 2.571 min Scan# 383  
 Delta R.T. -0.013 min  
 Lab File: VU048152.D  
 Acq: 20 Apr 2022 18:50

Tgt Ion: 96 Resp: 1302  
 Ion Ratio Lower Upper  
 96 100  
 61 1173.2 113.1 210.1#  
 63 10638.9 94.8 176.0#





#37

1,2-Dichloropropane

Concen: 4.973 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU048152.D

Acq: 20 Apr 2022 18:50

Instrument :

MSVOA\_U

ClientSampleId :

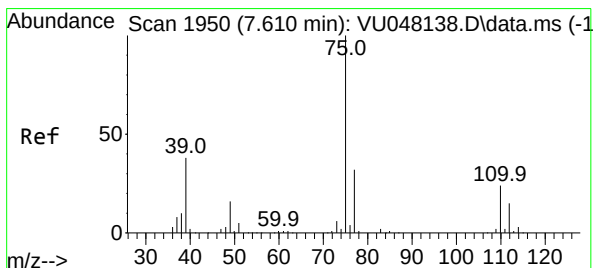
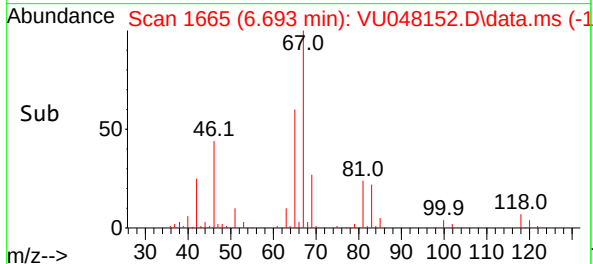
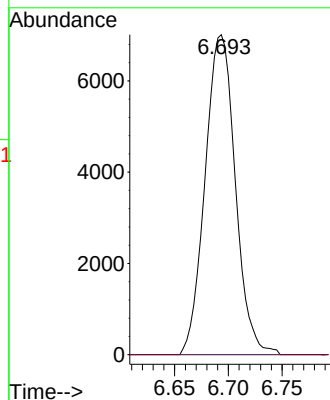
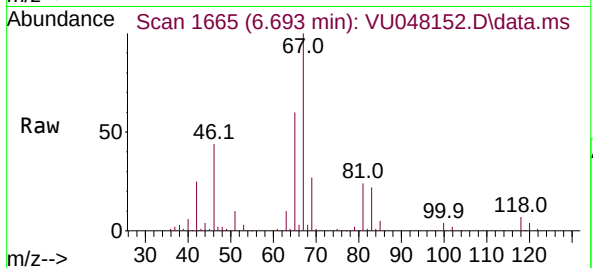
C0J15

Tgt Ion: 63 Resp: 13743

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.740 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU048152.D

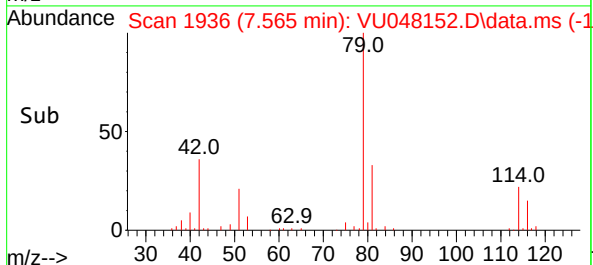
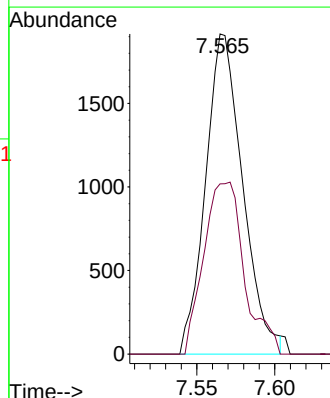
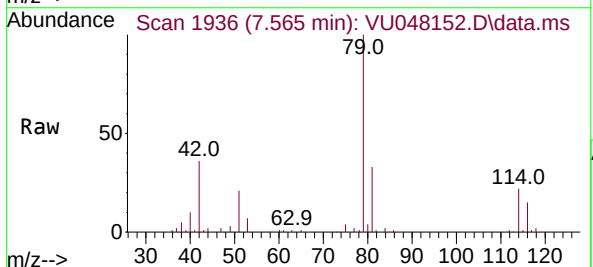
Acq: 20 Apr 2022 18:50

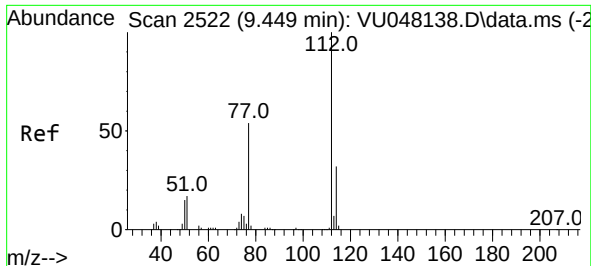
Tgt Ion: 75 Resp: 3172

Ion Ratio Lower Upper

75 100

77 53.2 21.8 40.6#

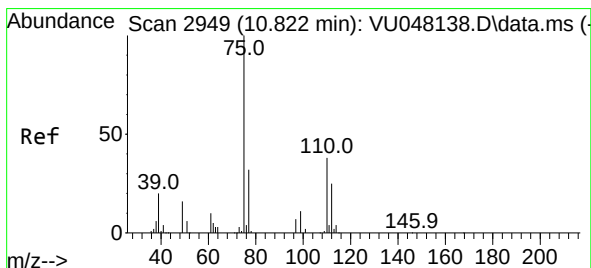
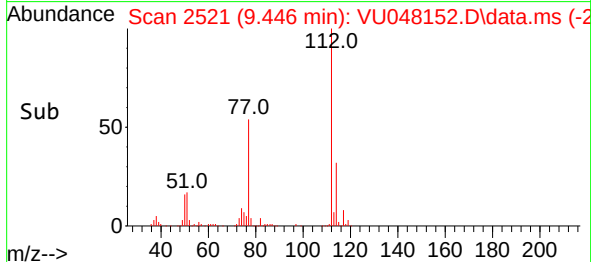
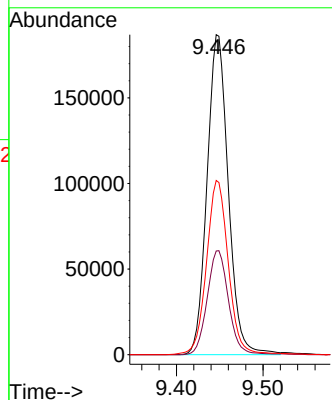
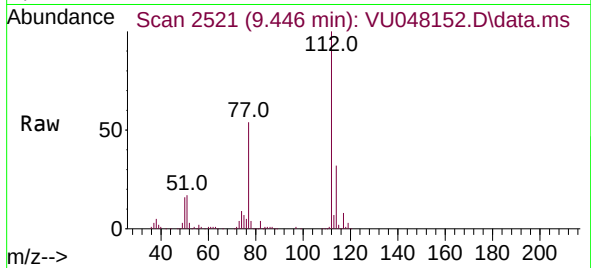




#51  
Chlorobenzene  
Concen: 39.369 ug/L  
RT: 9.446 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU048152.D  
Acq: 20 Apr 2022 18:50

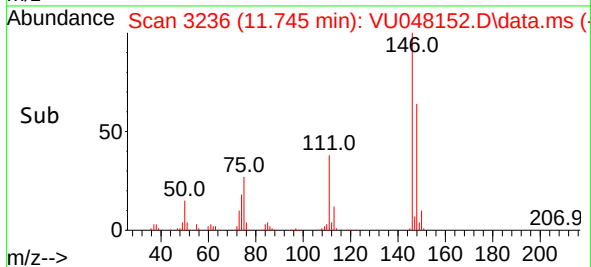
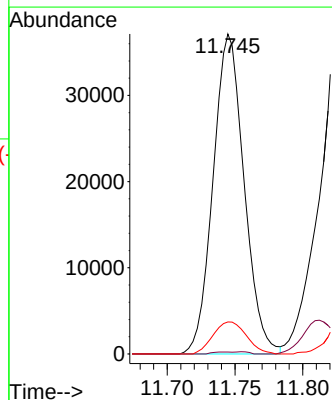
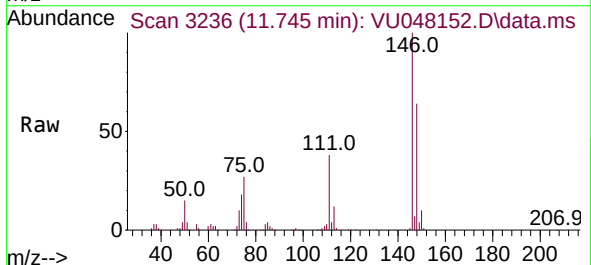
Instrument :  
MSVOA\_U  
ClientSampleId :  
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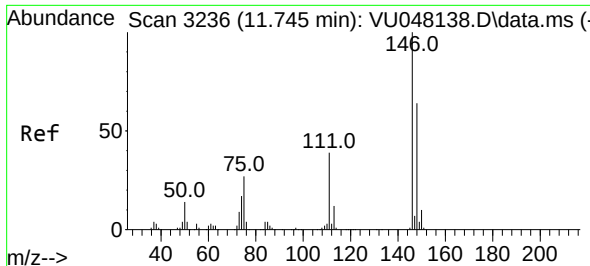
Tgt Ion:112 Resp: 318846  
Ion Ratio Lower Upper  
112 100  
114 32.4 22.1 41.1  
77 54.4 43.4 65.0



#60  
1,2,3-Trichloropropane  
Concen: 15.628 ug/L  
RT: 11.745 min Scan# 3236  
Delta R.T. 0.923 min  
Lab File: VU048152.D  
Acq: 20 Apr 2022 18:50

Tgt Ion: 75 Resp: 59033  
Ion Ratio Lower Upper  
75 100  
77 0.4 26.0 39.0#  
110 10.8 31.4 47.2#

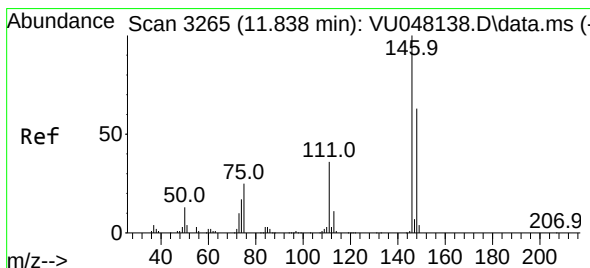
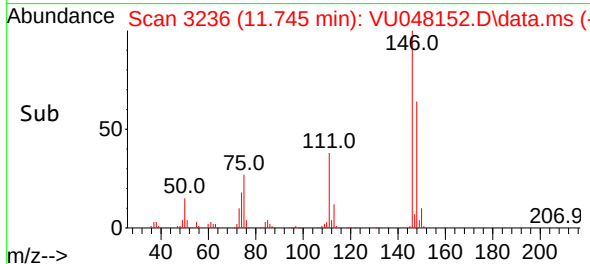
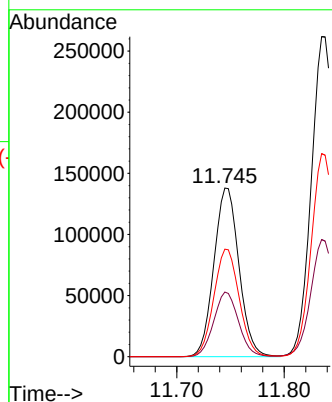
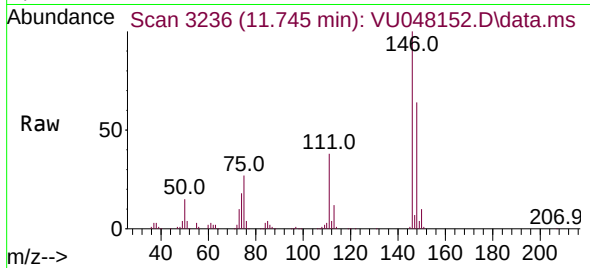




#64  
1,3-Dichlorobenzene  
Concen: 37.163 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU048152.D  
Acq: 20 Apr 2022 18:50

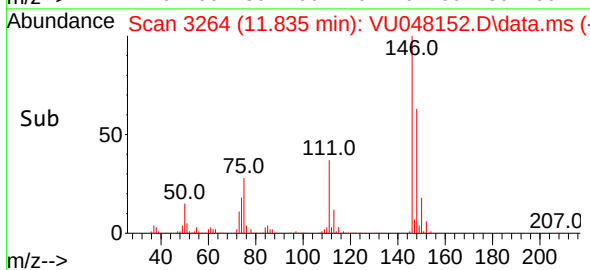
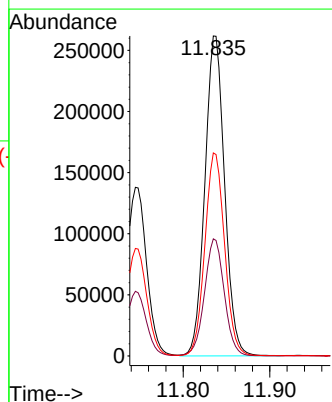
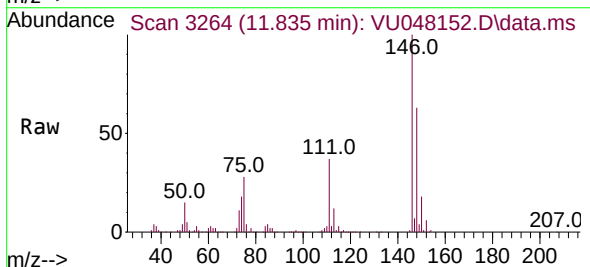
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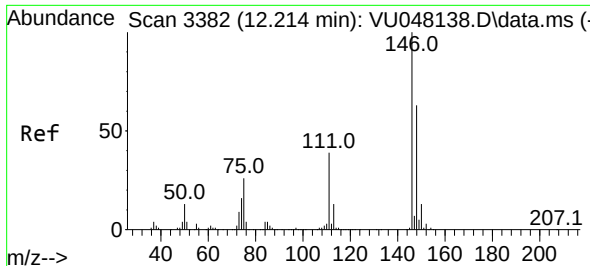
Tgt Ion:146 Resp: 223696  
Ion Ratio Lower Upper  
146 100  
111 38.3 26.7 49.7  
148 63.7 44.4 82.5



#65  
1,4-Dichlorobenzene  
Concen: 66.304 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.003 min  
Lab File: VU048152.D  
Acq: 20 Apr 2022 18:50

Tgt Ion:146 Resp: 413388  
Ion Ratio Lower Upper  
146 100  
111 36.6 25.3 47.1  
148 63.4 44.5 82.7

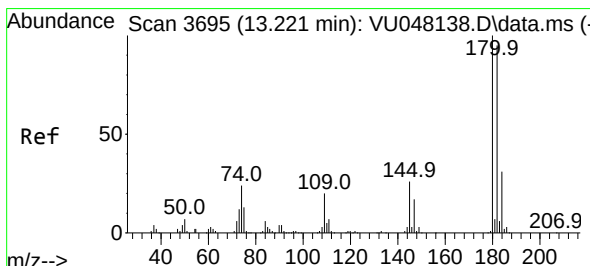
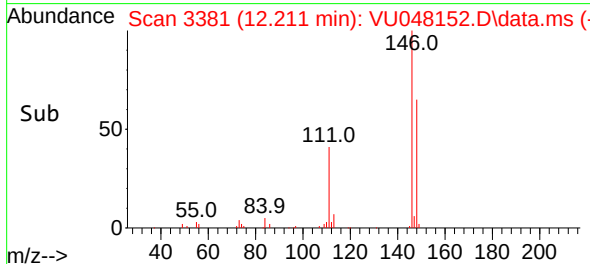
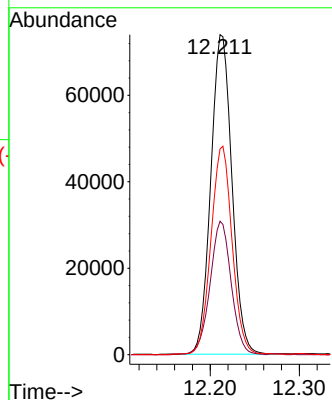
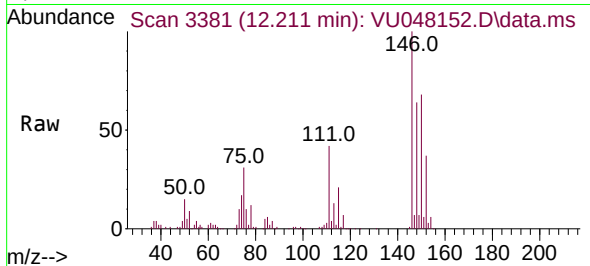




#67  
1,2-Dichlorobenzene  
Concen: 20.222 ug/L  
RT: 12.211 min Scan# 311  
Delta R.T. -0.003 min  
Lab File: VU048152.D  
Acq: 20 Apr 2022 18:50

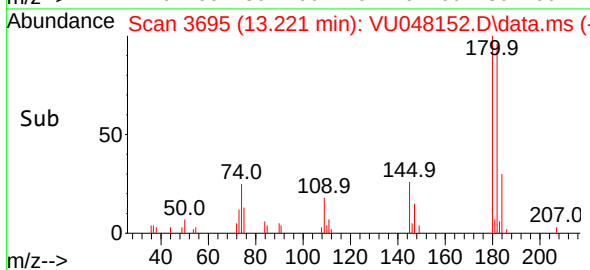
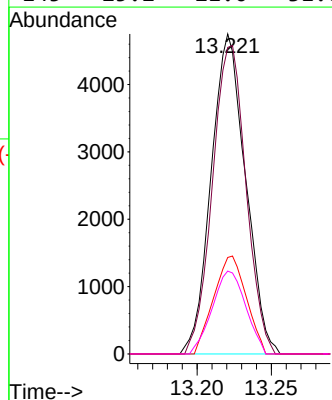
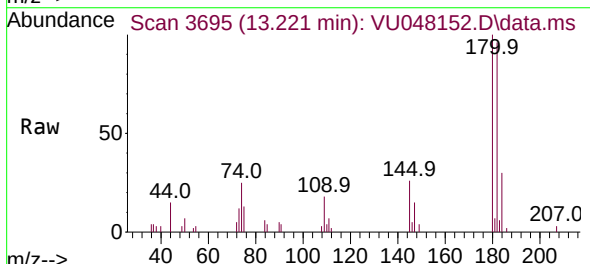
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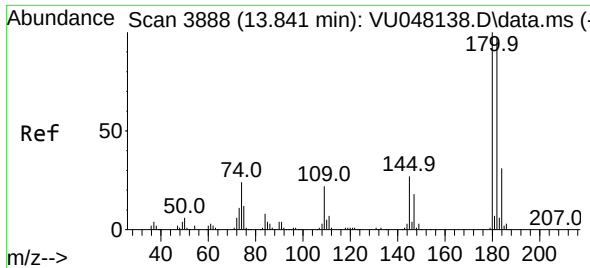
Tgt Ion:146 Resp: 121792  
Ion Ratio Lower Upper  
146 100  
111 41.7 31.7 47.5  
148 64.3 51.4 77.2



#69  
1,3,5-Trichlorobenzene  
Concen: 1.560 ug/L  
RT: 13.221 min Scan# 3695  
Delta R.T. -0.000 min  
Lab File: VU048152.D  
Acq: 20 Apr 2022 18:50

Tgt Ion:180 Resp: 7627  
Ion Ratio Lower Upper  
180 100  
182 94.2 77.0 115.6  
184 29.1 24.5 36.7  
145 25.2 21.0 31.6

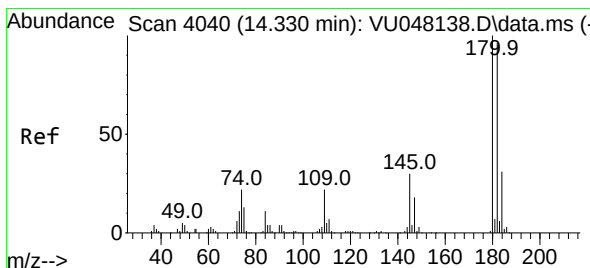
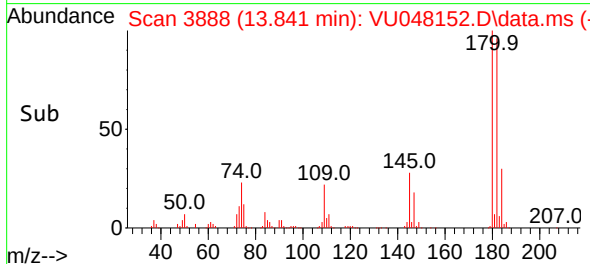
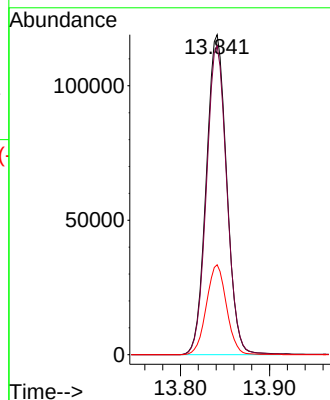
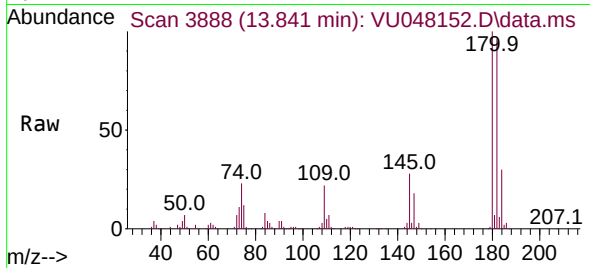




#70  
1,2,4-trichlorobenzene  
Concen: 44.283 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. -0.000 min  
Lab File: VU048152.D  
Acq: 20 Apr 2022 18:50

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0J15

Tgt Ion:180 Resp: 189615  
Ion Ratio Lower Upper  
180 100  
182 96.2 76.2 114.2  
145 27.6 21.8 32.8



#72  
1,2,3-Trichlorobenzene  
Concen: 9.275 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU048152.D  
Acq: 20 Apr 2022 18:50

Tgt Ion:180 Resp: 39814  
Ion Ratio Lower Upper  
180 100  
182 96.5 77.4 116.0  
145 29.2 22.8 34.2

