

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041222\  
 Data File : VU047977.D  
 Acq On : 12 Apr 2022 23:38  
 Operator : SY/MD  
 Sample : N2345-09  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 13 04:51:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 13 04:40:51 2022  
 Response via : Initial Calibration

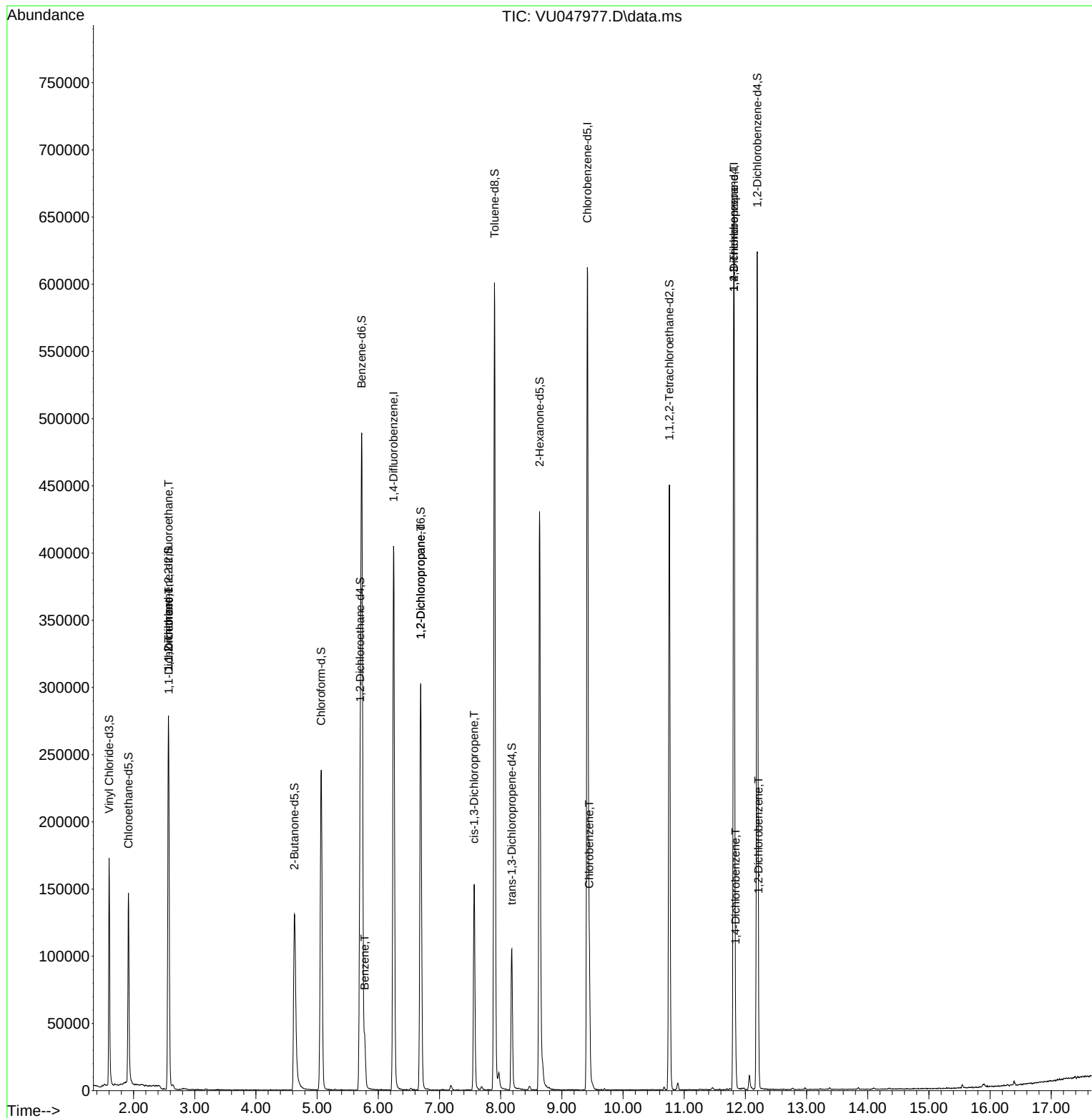
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 347763   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 366960   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 191036   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 125684   | 49.838   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 99.680%  |
| 7) Chloroethane-d5            | 1.916   | 69    | 108978   | 54.805   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 109.600% |
| 11) 1,1-Dichloroethene-d2     | 2.571   | 63    | 162352   | 35.187   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 70.380%  |
| 21) 2-Butanone-d5             | 4.629   | 46    | 204595   | 94.520   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 94.520%  |
| 24) Chloroform-d              | 5.067   | 84    | 224330   | 48.616   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.240%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 145653   | 51.466   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.940% |
| 32) Benzene-d6                | 5.729   | 84    | 461953   | 50.029   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.060% |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 148049   | 52.208   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 104.420% |
| 41) Toluene-d8                | 7.899   | 98    | 411302   | 45.719   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.440%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 60170    | 41.882   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 83.760%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 147057   | 88.585   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 88.590%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 223897   | 46.006   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 92.020%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 174720   | 51.408   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 102.820% |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.571   | 101   | 1710     | 0.667    | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.575   | 96    | 1377     | 0.577    | ug/L # | 1        |
| 33) Benzene                   | 5.777   | 78    | 33276    | 3.133    | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.694   | 63    | 15657    | 5.798    | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.565   | 75    | 3548     | 0.847    | ug/L # | 74       |
| 51) Chlorobenzene             | 9.449   | 112   | 53178    | 6.720    | ug/L   | 96       |
| 60) 1,2,3-Trichloropropane    | 11.812  | 75    | 23304    | 6.471    | ug/L # | 62       |
| 65) 1,4-Dichlorobenzene       | 11.838  | 146   | 12376    | 2.082    | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214  | 146   | 4263     | 0.742    | ug/L # | 93       |
| -----                         |         |       |          |          |        |          |

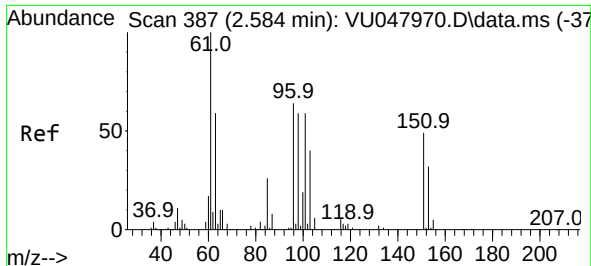
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 38 Sample Multiplier: 1

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MSVOA\_U  
ClientSampleId :

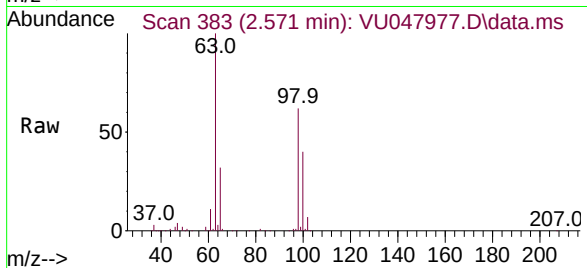
Quant Time: Apr 13 04:51:47 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 13 04:40:51 2022  
Response via : Initial Calibration



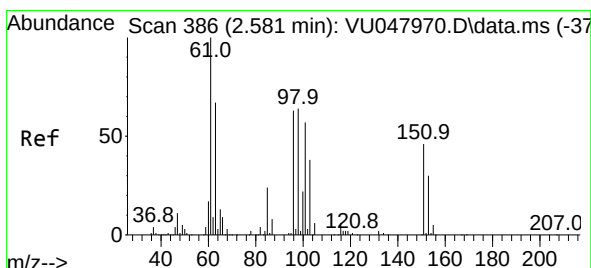
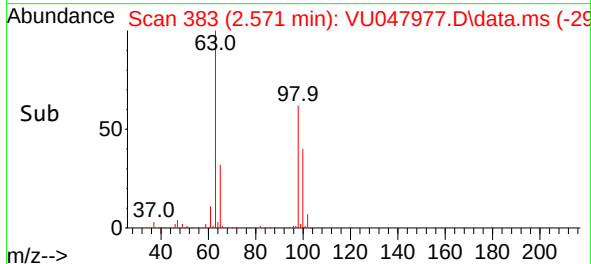
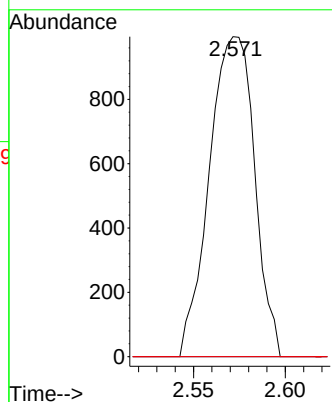


#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.667 ug/L  
 RT: 2.571 min Scan# 383  
 Delta R.T. -0.013 min  
 Lab File: VU047977.D  
 Acq: 12 Apr 2022 23:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :

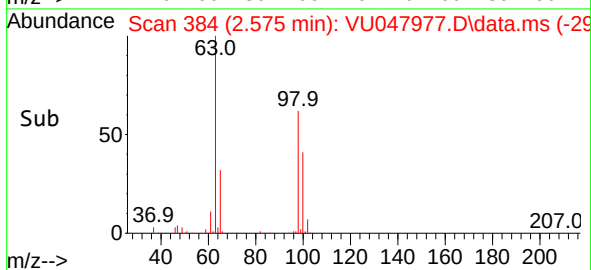
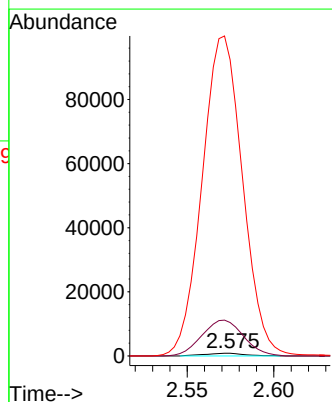
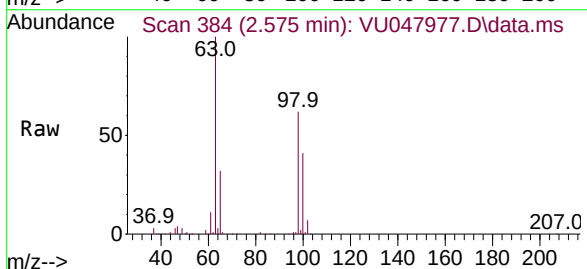


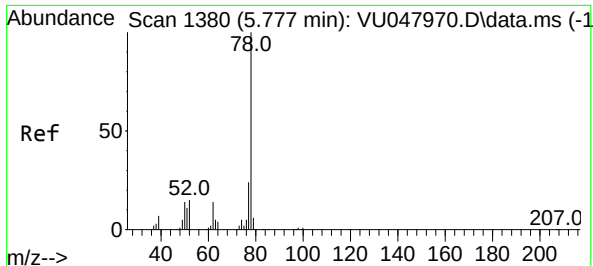
Tgt Ion:101 Resp: 1710  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 32.8 49.2#  
 151 0.0 63.0 94.6#



#12  
 1,1-Dichloroethene  
 Concen: 0.577 ug/L  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.007 min  
 Lab File: VU047977.D  
 Acq: 12 Apr 2022 23:38

Tgt Ion: 96 Resp: 1377  
 Ion Ratio Lower Upper  
 96 100  
 61 1251.6 113.1 210.1#  
 63 11091.5 94.8 176.0#

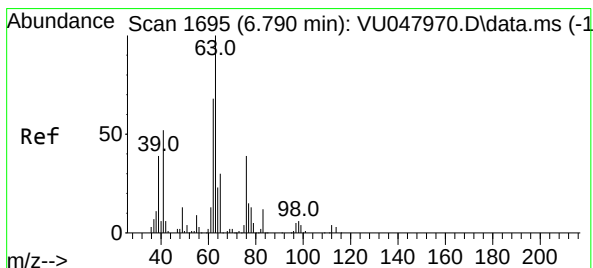
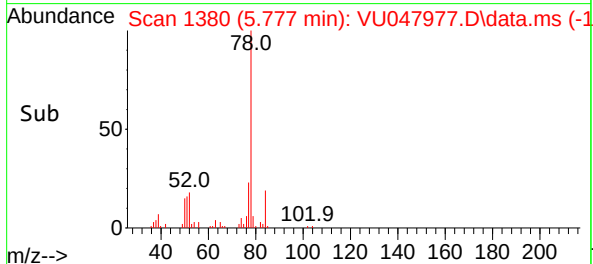
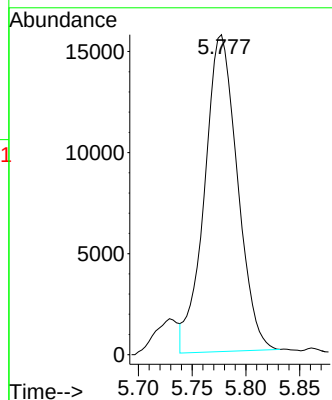
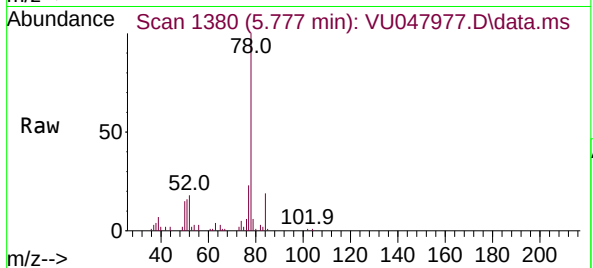




#33  
Benzene  
Concen: 3.133 ug/L  
RT: 5.777 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU047977.D  
Acq: 12 Apr 2022 23:38

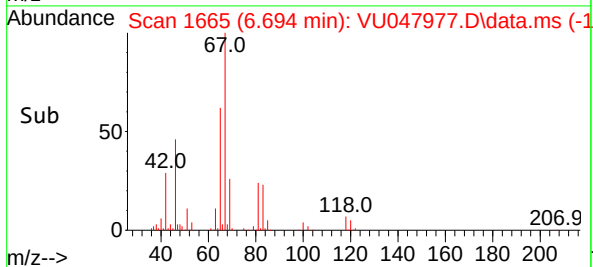
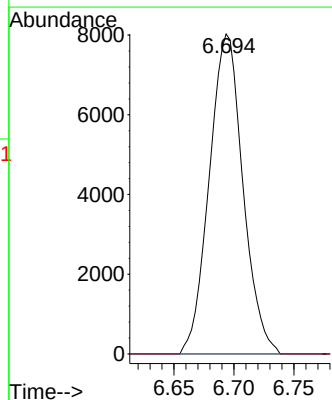
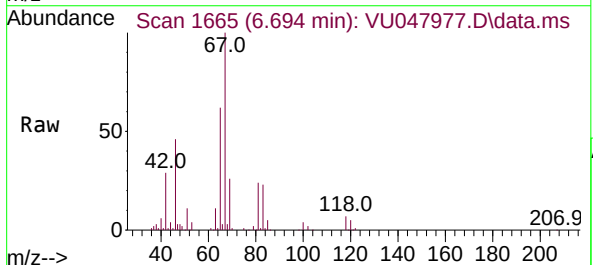
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MSVOA\_U  
ClientSampleId :

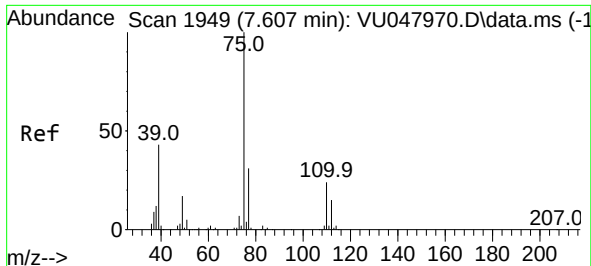
Tgt Ion: 78 Resp: 33276



#37  
1,2-Dichloropropane  
Concen: 5.798 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.097 min  
Lab File: VU047977.D  
Acq: 12 Apr 2022 23:38

Tgt Ion: 63 Resp: 15657  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.847 ug/L

RT: 7.565 min Scan# 1949

Delta R.T. -0.042 min

Lab File: VU047977.D

Acq: 12 Apr 2022 23:38

Instrument :

MSVOA\_U

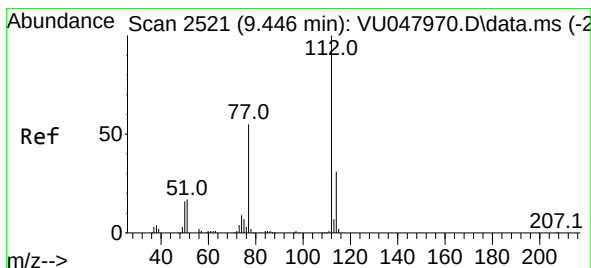
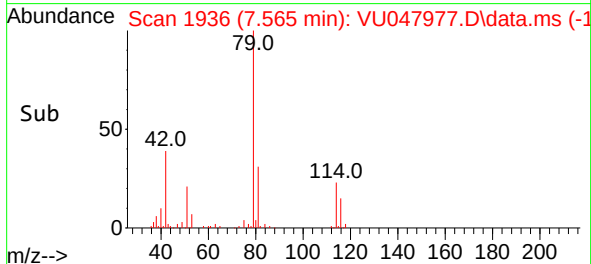
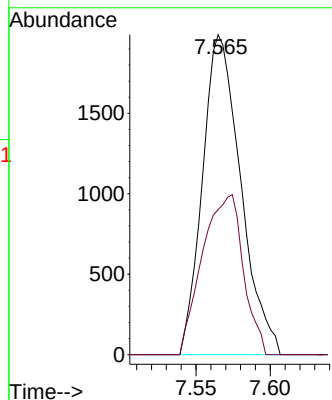
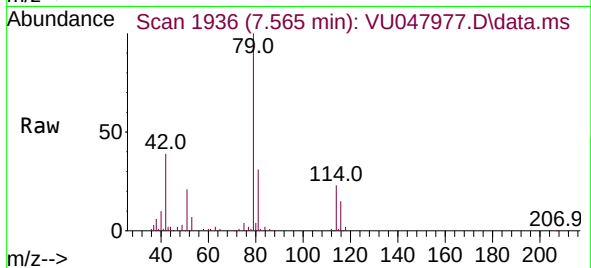
ClientSampleId :

Tgt Ion: 75 Resp: 3548

Ion Ratio Lower Upper

75 100

77 45.3 21.8 40.6#



#51

Chlorobenzene

Concen: 6.720 ug/L

RT: 9.449 min Scan# 2522

Delta R.T. 0.003 min

Lab File: VU047977.D

Acq: 12 Apr 2022 23:38

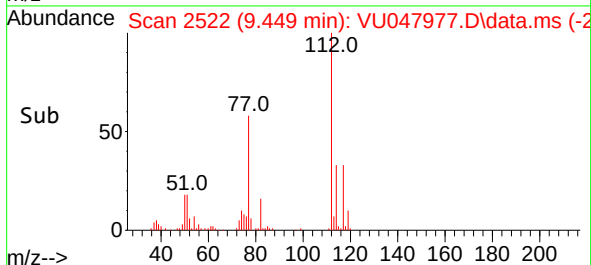
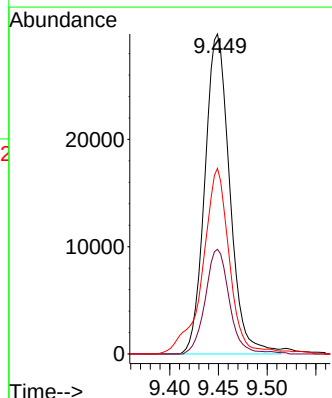
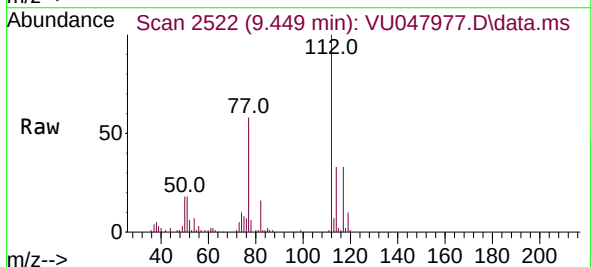
Tgt Ion: 112 Resp: 53178

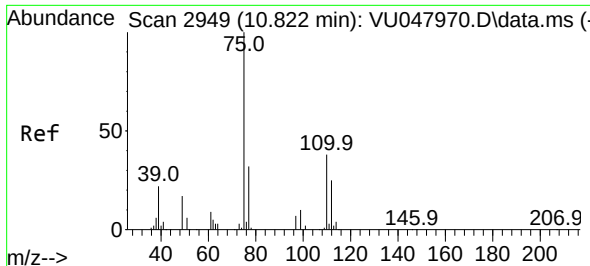
Ion Ratio Lower Upper

112 100

114 32.7 22.1 41.1

77 58.0 43.4 65.0

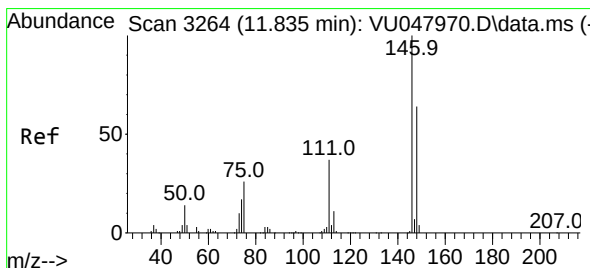
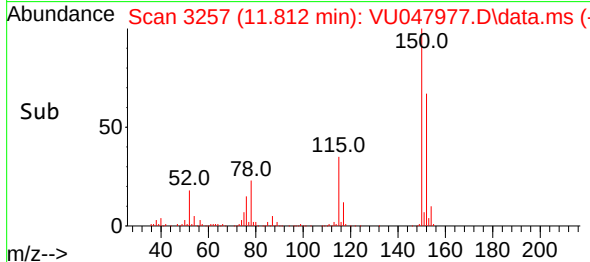
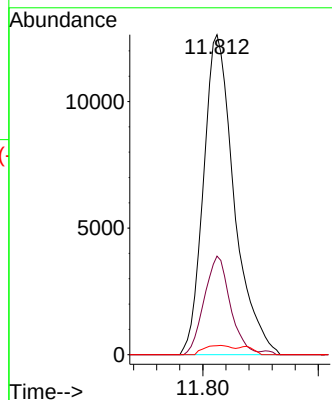
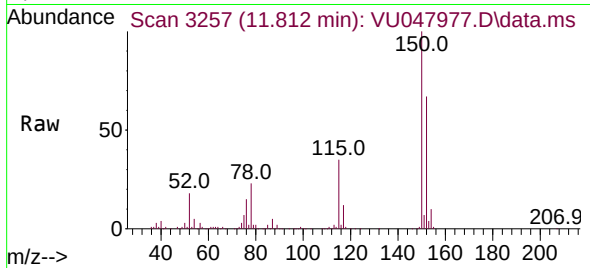




#60  
1,2,3-Trichloropropane  
Concen: 6.471 ug/L  
RT: 11.812 min Scan# 31  
Delta R.T. 0.990 min  
Lab File: VU047977.D  
Acq: 12 Apr 2022 23:38

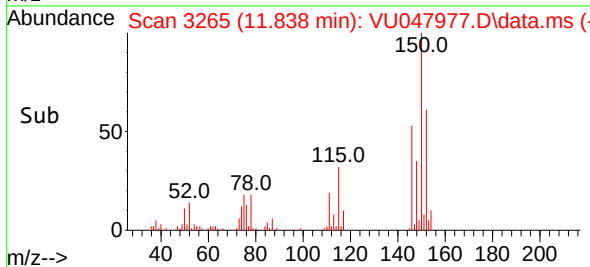
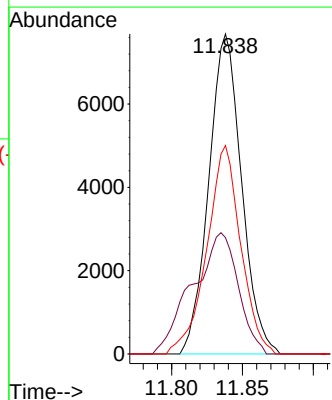
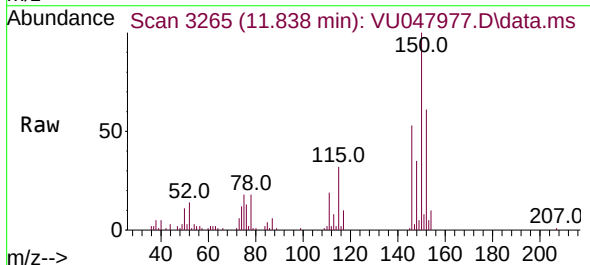
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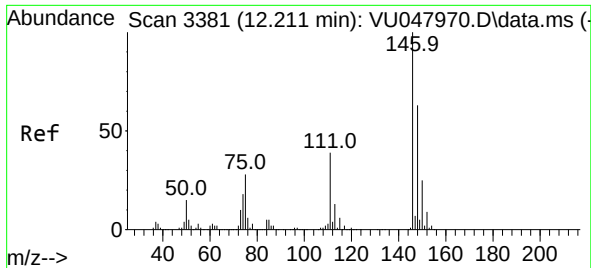
Tgt Ion: 75 Resp: 23304  
Ion Ratio Lower Upper  
75 100  
77 26.1 26.0 39.0  
110 2.7 31.4 47.2#



#65  
1,4-Dichlorobenzene  
Concen: 2.082 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.003 min  
Lab File: VU047977.D  
Acq: 12 Apr 2022 23:38

Tgt Ion:146 Resp: 12376  
Ion Ratio Lower Upper  
146 100  
111 36.3 25.3 47.1  
148 65.2 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 0.742 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

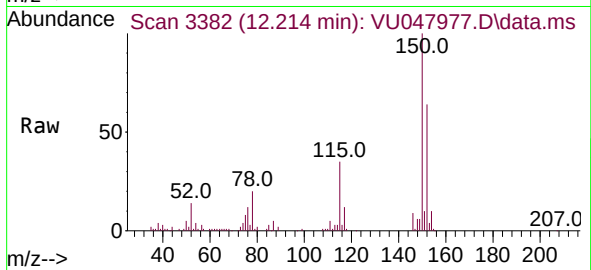
Lab File: VU047977.D

Acq: 12 Apr 2022 23:38

Instrument :

MSVOA\_U

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 4263  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 49.5  | 31.7  | 47.5# |
| 148      | 63.7  | 51.4  | 77.2  |

