

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041322\  
 Data File : VU047995.D  
 Acq On : 13 Apr 2022 12:01  
 Operator : SY/MD  
 Sample : N2345-07DL 100X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J85DL

Quant Time: Apr 14 03:07:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 14 02:49:33 2022  
 Response via : Initial Calibration

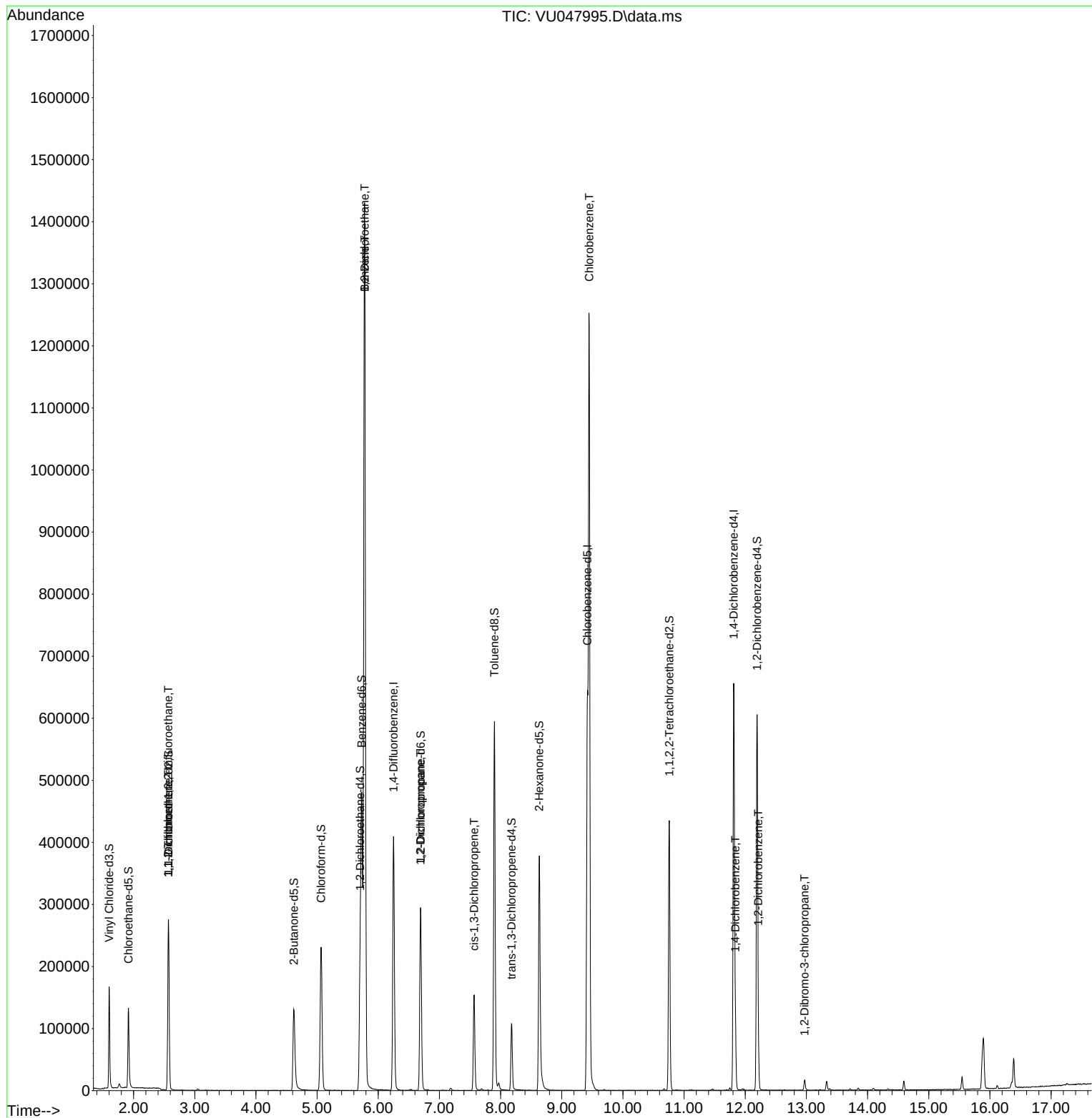
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 348615   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 360793   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 188378   | 50.000   | ug/L   | 0.00     |
|                               |         |       |          |          |        |          |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601   | 65    | 120469   | 47.653   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 95.300%  |
| 7) Chloroethane-d5            | 1.916   | 69    | 101886   | 51.113   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 102.220% |
| 11) 1,1-Dichloroethene-d2     | 2.572   | 63    | 158278   | 34.220   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 68.440%  |
| 21) 2-Butanone-d5             | 4.620   | 46    | 190284   | 87.694   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 87.690%  |
| 24) Chloroform-d              | 5.067   | 84    | 218402   | 47.216   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.440%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 142208   | 50.126   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.260% |
| 32) Benzene-d6                | 5.729   | 84    | 449526   | 49.515   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.040%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 143799   | 51.576   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 103.160% |
| 41) Toluene-d8                | 7.899   | 98    | 401145   | 45.352   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.700%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 61022    | 43.201   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.400%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 136507   | 83.636   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 83.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 214289   | 44.785   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 89.560%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 168978   | 50.420   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.840% |
|                               |         |       |          |          |        |          |
| Target Compounds              |         |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568   | 101   | 1586     | 0.617    | ug/L # | 18       |
| 12) 1,1-Dichloroethene        | 2.568   | 96    | 1500     | 0.627    | ug/L # | 1        |
| 27) 1,2-Dichloroethane        | 5.777   | 62    | 11239    | 3.037    | ug/L # | 75       |
| 33) Benzene                   | 5.777   | 78    | 1398950  | 133.957  | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.690   | 63    | 15252    | 5.745    | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 3465     | 0.841    | ug/L # | 54       |
| 51) Chlorobenzene             | 9.449   | 112   | 696239   | 89.487   | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838  | 146   | 44256    | 7.551    | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211  | 146   | 13928    | 2.460    | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 12.970  | 75    | 3094     | 2.720    | ug/L # | 1        |
| -----                         |         |       |          |          |        |          |

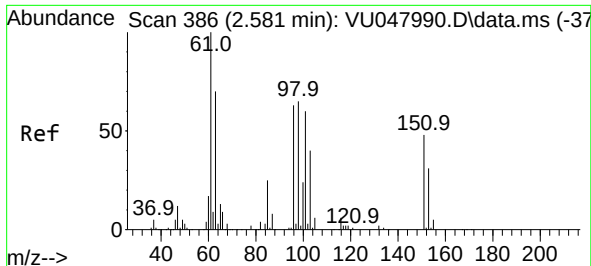
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Apr 14 02:49:33 2022  
Response via : Initial Calibration





#10

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

Concen: 0.617 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.013 min

Lab File: VU047995.D

Acq: 13 Apr 2022 12:01

Instrument :

MSVOA\_U

ClientSampleId :

C0J85DL

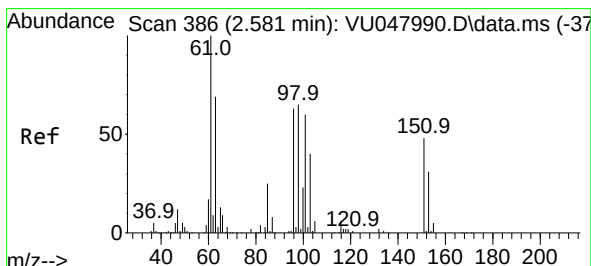
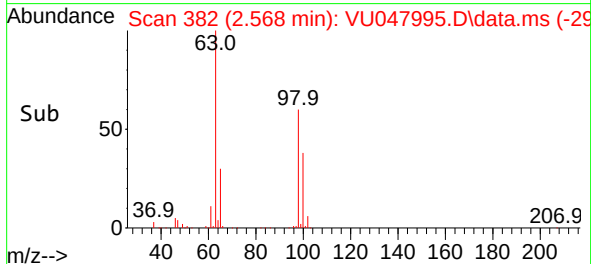
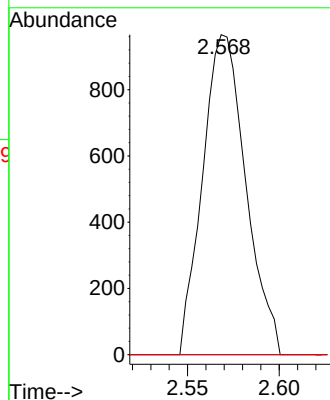
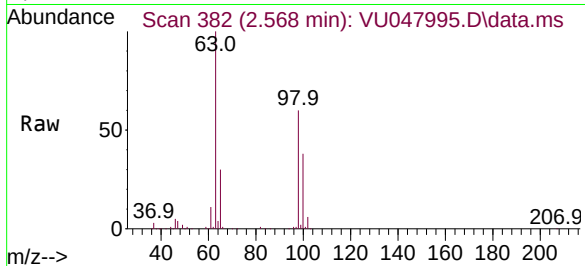
Tgt Ion:101 Resp: 1586

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: 0.627 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.013 min

Lab File: VU047995.D

Acq: 13 Apr 2022 12:01

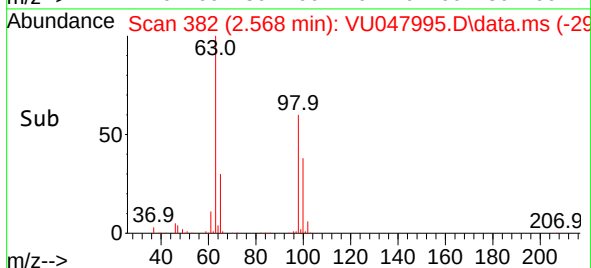
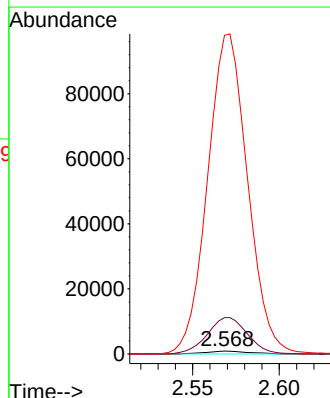
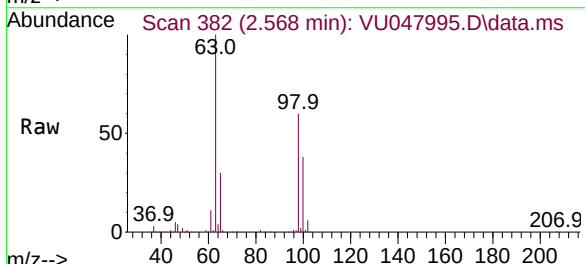
Tgt Ion: 96 Resp: 1500

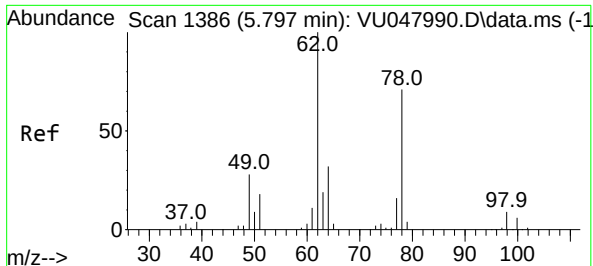
Ion Ratio Lower Upper

96 100

61 1268.9 113.1 210.1#

63 11122.8 94.8 176.0#





#27

1,2-Dichloroethane

Concen: 3.037 ug/L

RT: 5.777 min Scan# 11

Delta R.T. -0.019 min

Lab File: VU047995.D

Acq: 13 Apr 2022 12:01

Instrument :

MSVOA\_U

ClientSampleId :

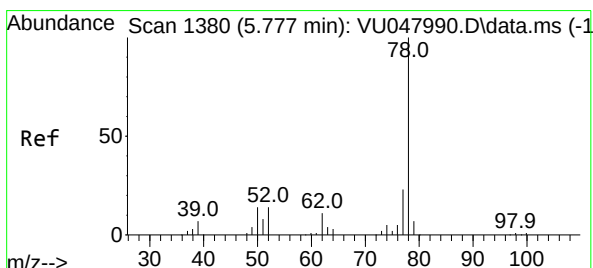
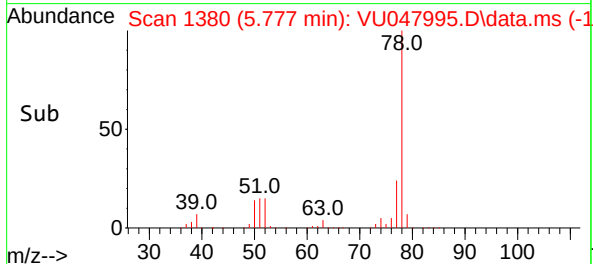
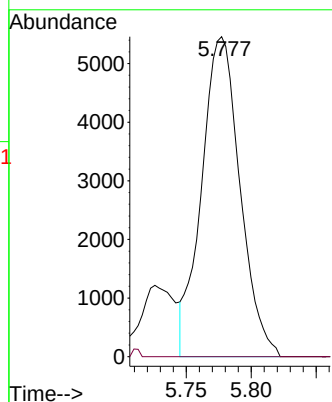
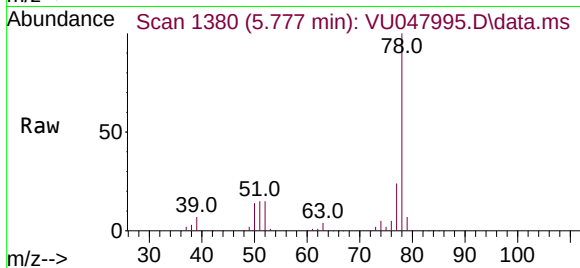
C0J85DL

Tgt Ion: 62 Resp: 11239

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.0#



#33

Benzene

Concen: 133.957 ug/L

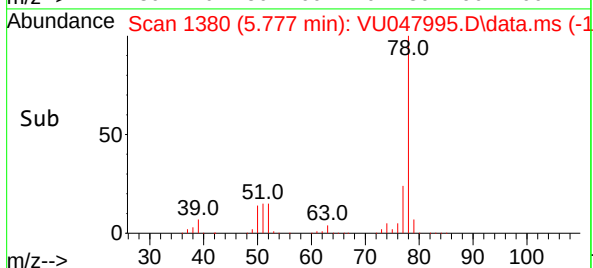
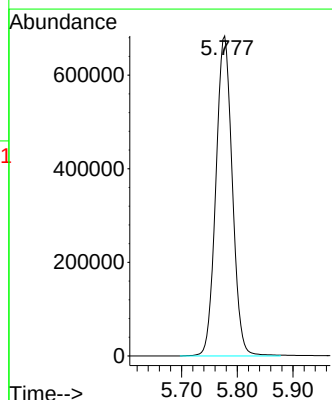
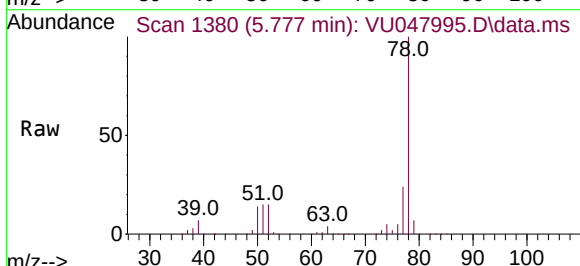
RT: 5.777 min Scan# 1380

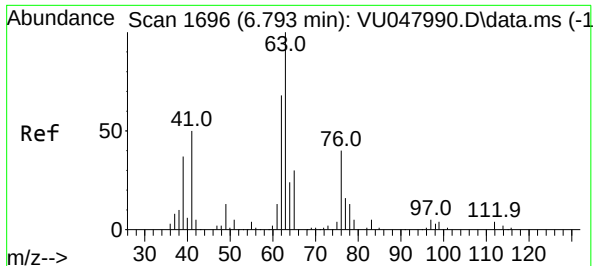
Delta R.T. 0.000 min

Lab File: VU047995.D

Acq: 13 Apr 2022 12:01

Tgt Ion: 78 Resp: 1398950





#37

1,2-Dichloropropane

Concen: 5.745 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU047995.D

Acq: 13 Apr 2022 12:01

Instrument :

MSVOA\_U

ClientSampleId :

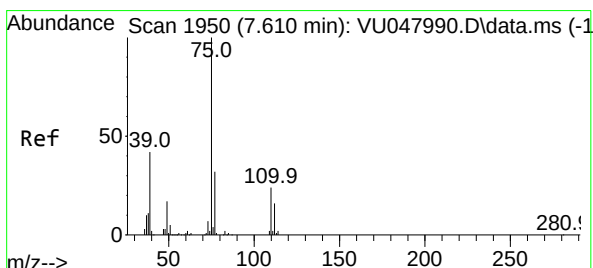
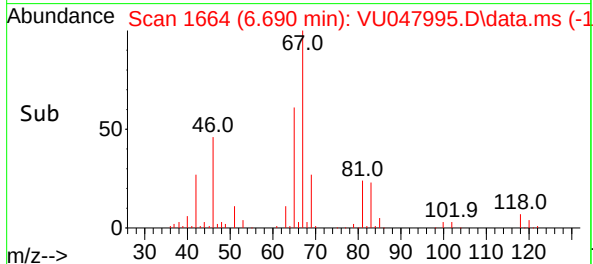
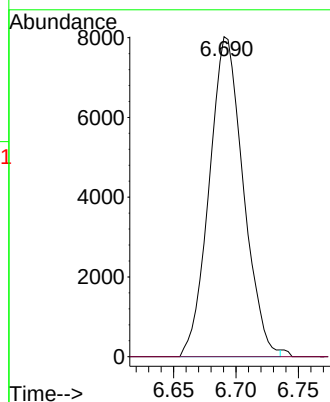
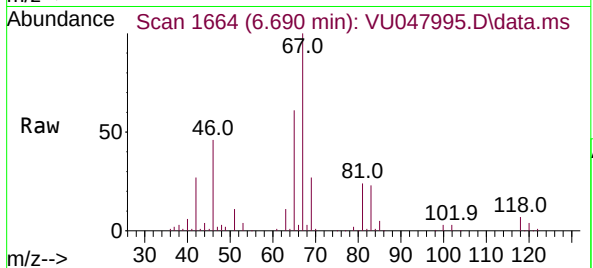
C0J85DL

Tgt Ion: 63 Resp: 15252

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#39

cis-1,3-Dichloropropene

Concen: 0.841 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU047995.D

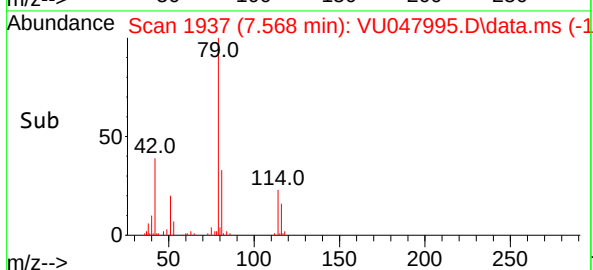
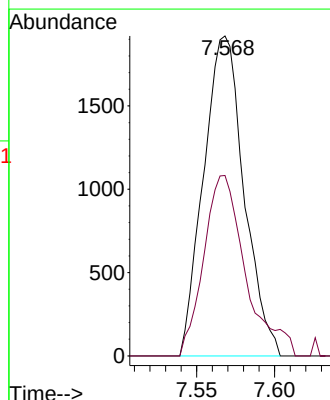
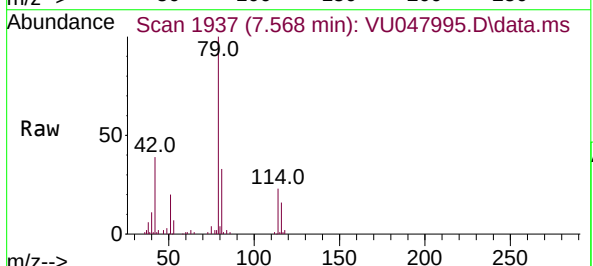
Acq: 13 Apr 2022 12:01

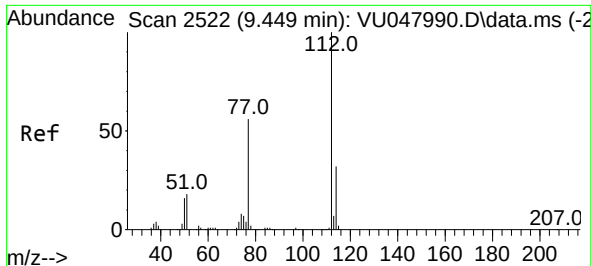
Tgt Ion: 75 Resp: 3465

Ion Ratio Lower Upper

75 100

77 56.4 21.8 40.6#

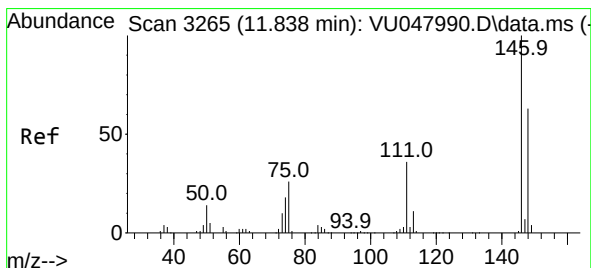
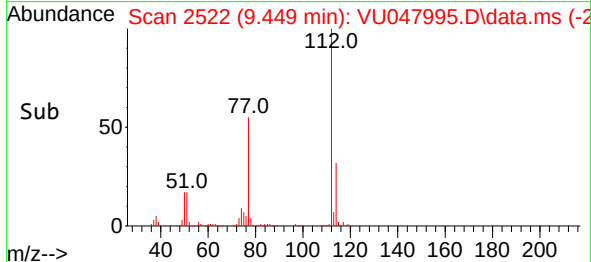
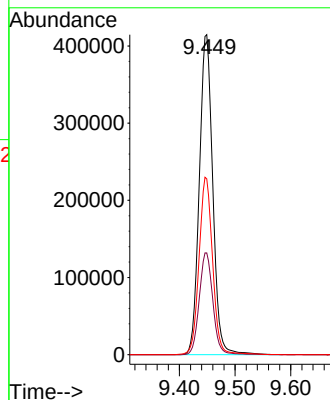
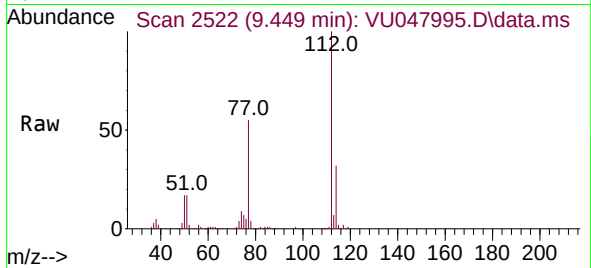




#51  
Chlorobenzene  
Concen: 89.487 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.000 min  
Lab File: VU047995.D  
Acq: 13 Apr 2022 12:01

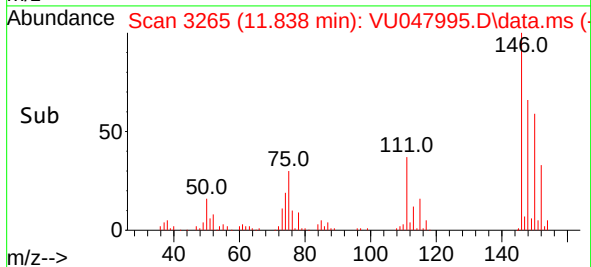
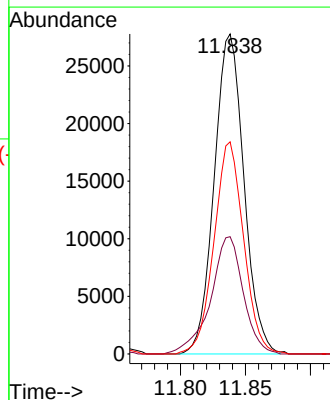
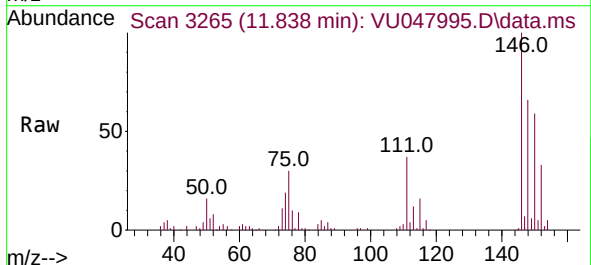
Instrument :  
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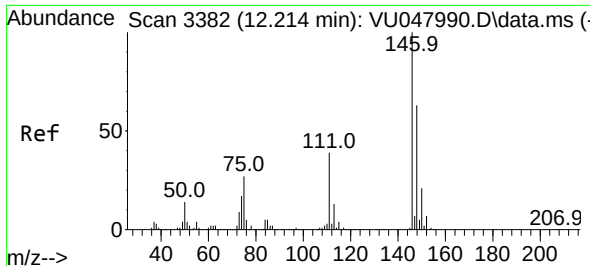
Tgt Ion:112 Resp: 696239  
Ion Ratio Lower Upper  
112 100  
114 31.8 22.1 41.1  
77 54.9 43.4 65.0



#65  
1,4-Dichlorobenzene  
Concen: 7.551 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.000 min  
Lab File: VU047995.D  
Acq: 13 Apr 2022 12:01

Tgt Ion:146 Resp: 44256  
Ion Ratio Lower Upper  
146 100  
111 36.7 25.3 47.1  
148 66.3 44.5 82.7

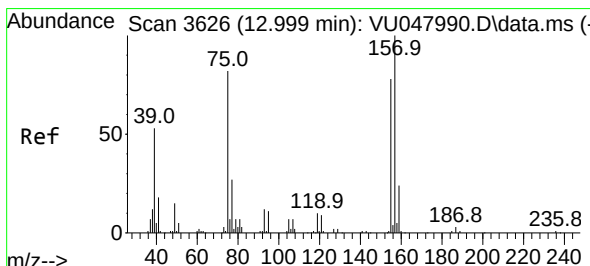
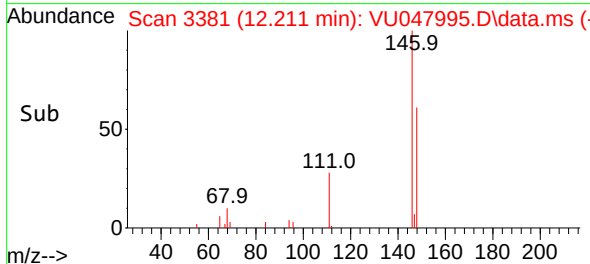
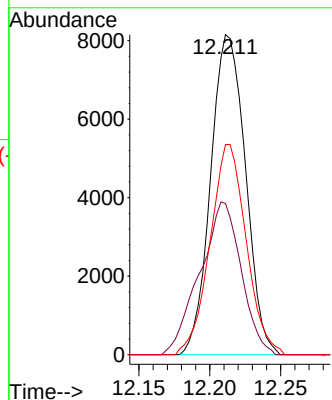
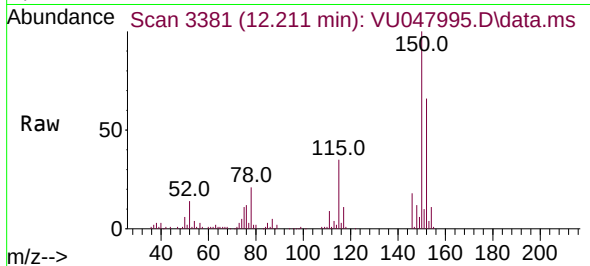




#67  
1,2-Dichlorobenzene  
Concen: 2.460 ug/L  
RT: 12.211 min Scan# 311  
Delta R.T. -0.003 min  
Lab File: VU047995.D  
Acq: 13 Apr 2022 12:01

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MSVOA\_U  
ClientSampleId :  
C0J85DL

Tgt Ion:146 Resp: 13928  
Ion Ratio Lower Upper  
146 100  
111 47.2 31.7 47.5  
148 65.7 51.4 77.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.720 ug/L  
RT: 12.970 min Scan# 3617  
Delta R.T. -0.029 min  
Lab File: VU047995.D  
Acq: 13 Apr 2022 12:01

Tgt Ion: 75 Resp: 3094  
Ion Ratio Lower Upper  
75 100  
155 0.0 78.9 118.3#  
157 0.0 97.5 146.3#

