

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042522\  
 Data File : VU048274.D  
 Acq On : 25 Apr 2022 17:40  
 Operator : SY/MD  
 Sample : N2486-09  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0J41

Quant Time: Apr 26 02:46:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM042522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 26 02:41:26 2022  
 Response via : Initial Calibration

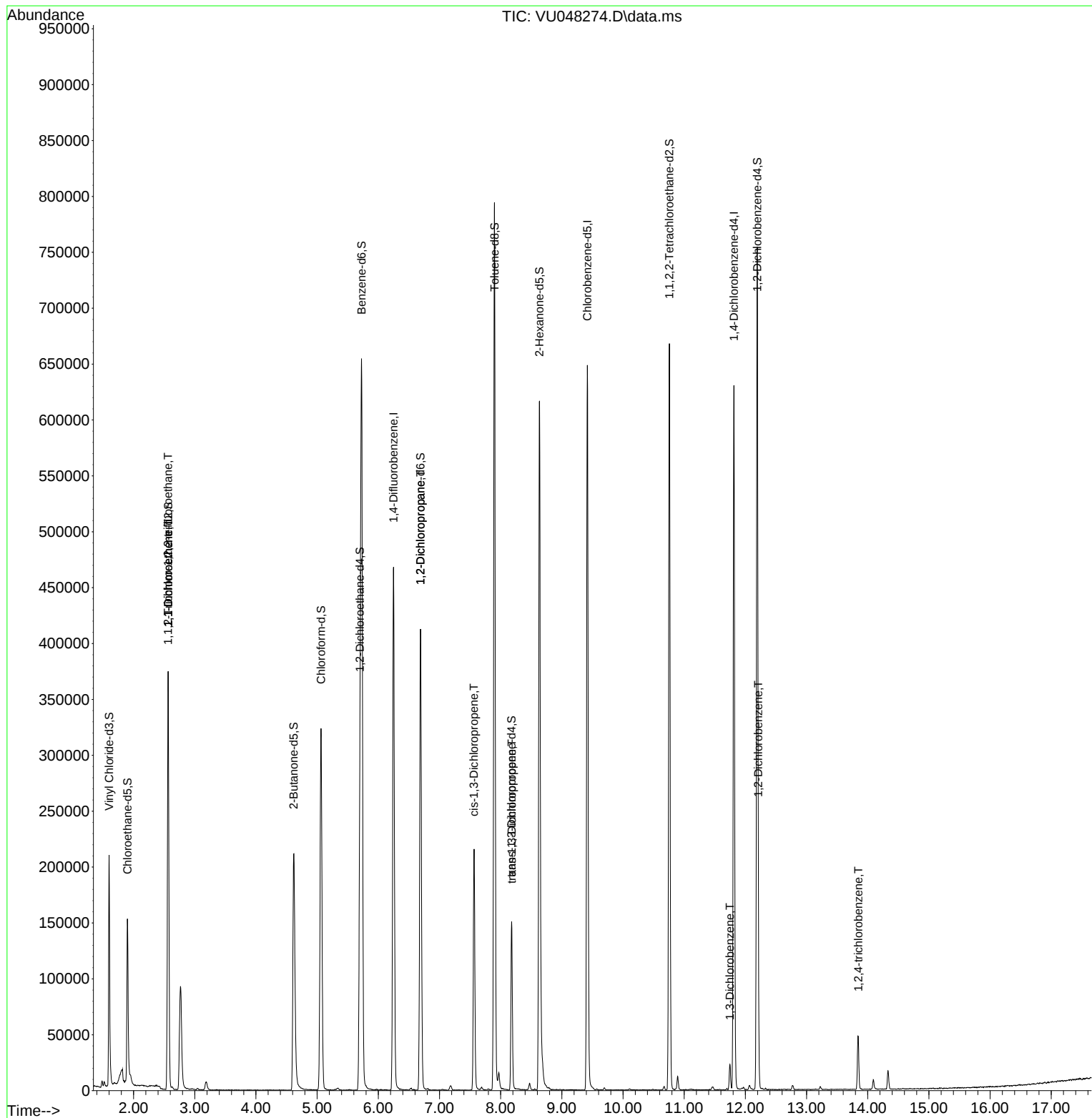
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 401365     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117  | 388873     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 178950     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 162631     | 44.063   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 88.120%  |        |          |
| 7) Chloroethane-d5            | 1.900          | 69   | 124005     | 47.865   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 95.720%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 63   | 213112     | 36.037   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 72.080%  |        |          |
| 21) 2-Butanone-d5             | 4.617          | 46   | 307286     | 97.615   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 97.610%  |        |          |
| 24) Chloroform-d              | 5.064          | 84   | 307461     | 45.927   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.860%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65   | 188389     | 47.428   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 94.860%  |        |          |
| 32) Benzene-d6                | 5.726          | 84   | 636127     | 51.867   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 103.740% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67   | 210219     | 51.846   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 103.700% |        |          |
| 41) Toluene-d8                | 7.899          | 98   | 544260     | 48.957   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 97.920%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79   | 85533      | 47.806   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 95.620%  |        |          |
| 47) 2-Hexanone-d5             | 8.632          | 63   | 220838     | 100.950  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 100.950% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 336836     | 47.367   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 94.740%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 215169     | 53.451   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 106.900% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.562          | 101  | 2127       | 0.703    | ug/L # | 19       |
| 12) 1,1-Dichloroethene        | 2.565          | 96   | 1923       | 0.729    | ug/L # | 1        |
| 37) 1,2-Dichloropropane       | 6.690          | 63   | 20244      | 6.180    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.562          | 75   | 4472       | 0.971    | ug/L # | 63       |
| 44) trans-1,3-Dichloropropene | 8.182          | 75   | 3453       | 0.767    | ug/L   | 93       |
| 64) 1,3-Dichlorobenzene       | 11.748         | 146  | 10030      | 1.788    | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.211         | 146  | 10651      | 1.802    | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 13.844         | 180  | 17322      | 5.260    | ug/L   | 98       |
| -----                         |                |      |            |          |        |          |

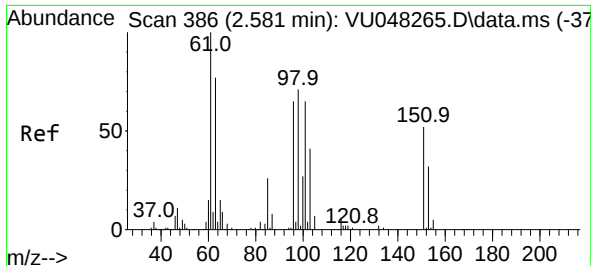
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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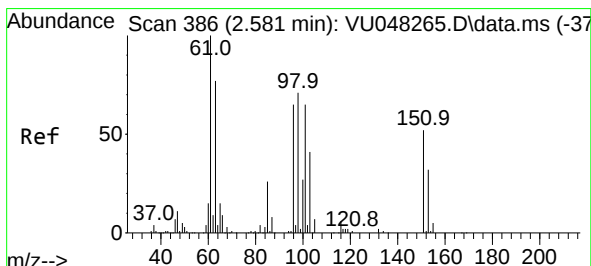
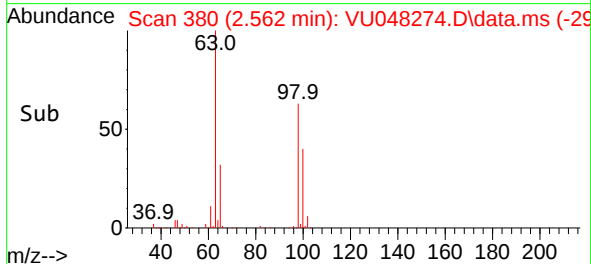
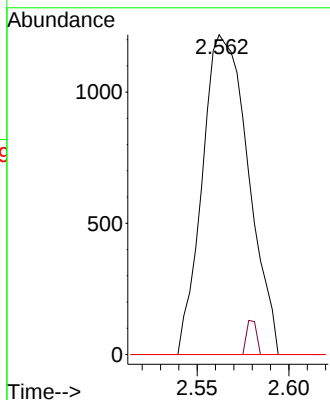
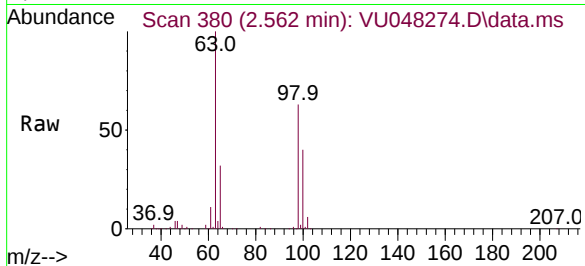




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.703 ug/L  
RT: 2.562 min Scan# 380  
Delta R.T. -0.019 min  
Lab File: VU048274.D  
Acq: 25 Apr 2022 17:40

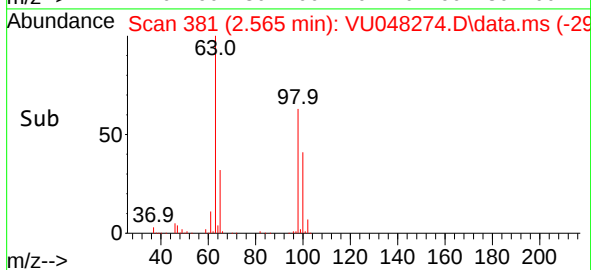
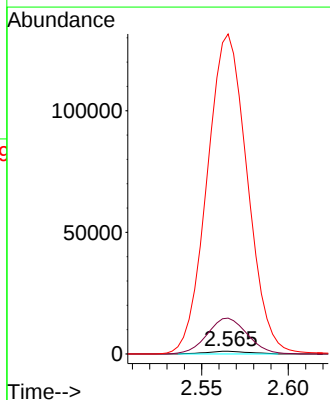
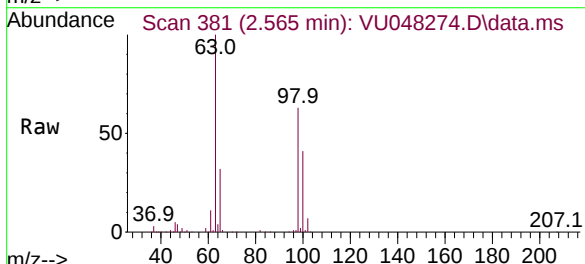
Instrument :  
MSVOA\_U  
ClientSampleId :  
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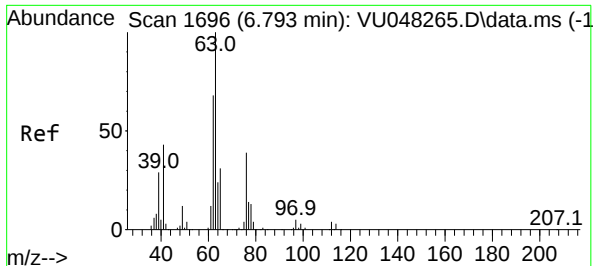
Tgt Ion:101 Resp: 2127  
Ion Ratio Lower Upper  
101 100  
85 2.3 32.6 48.8#  
151 0.0 64.1 96.1#



#12  
1,1-Dichloroethene  
Concen: 0.729 ug/L  
RT: 2.565 min Scan# 381  
Delta R.T. -0.016 min  
Lab File: VU048274.D  
Acq: 25 Apr 2022 17:40

Tgt Ion: 96 Resp: 1923  
Ion Ratio Lower Upper  
96 100  
61 1282.6 107.9 200.3#  
63 11442.1 80.3 149.1#





#37

1,2-Dichloropropane

Concen: 6.180 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU048274.D

Acq: 25 Apr 2022 17:40

Instrument :

MSVOA\_U

ClientSampleId :

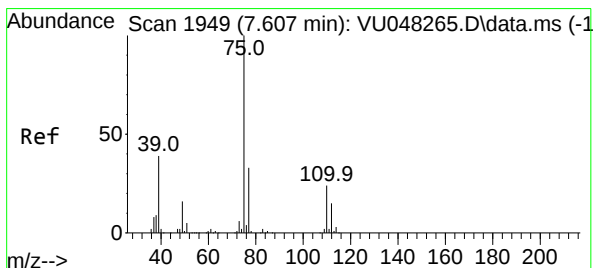
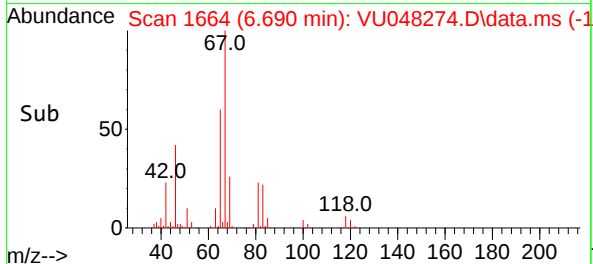
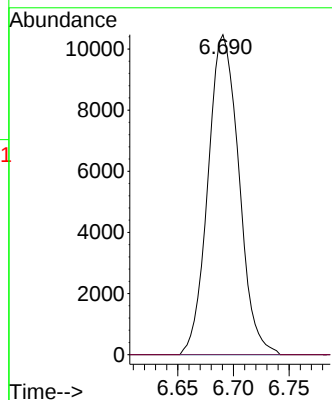
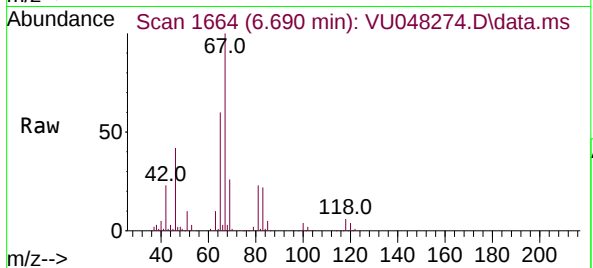
C0J41

Tgt Ion: 63 Resp: 20244

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



#39

cis-1,3-Dichloropropene

Concen: 0.971 ug/L

RT: 7.562 min Scan# 1935

Delta R.T. -0.045 min

Lab File: VU048274.D

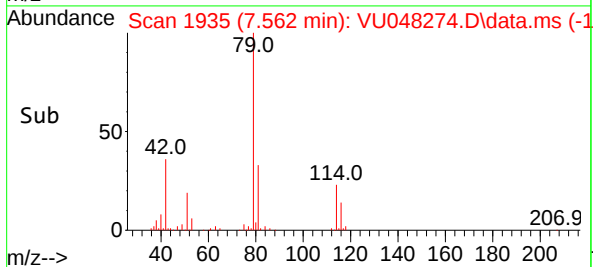
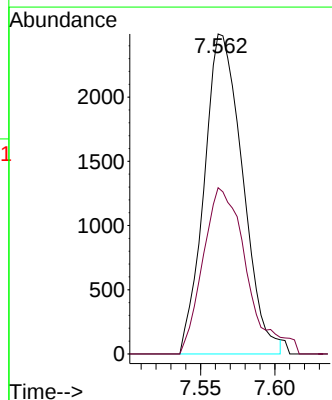
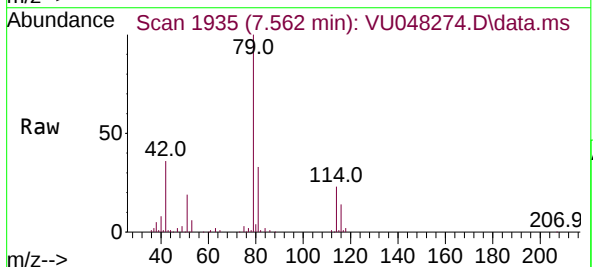
Acq: 25 Apr 2022 17:40

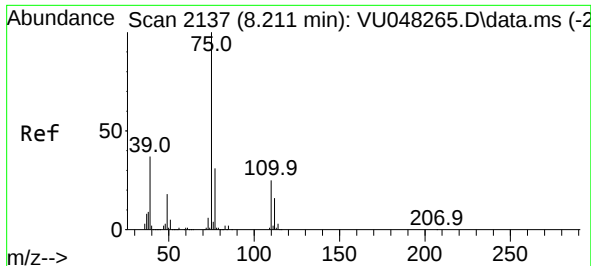
Tgt Ion: 75 Resp: 4472

Ion Ratio Lower Upper

75 100

77 51.9 22.0 41.0#

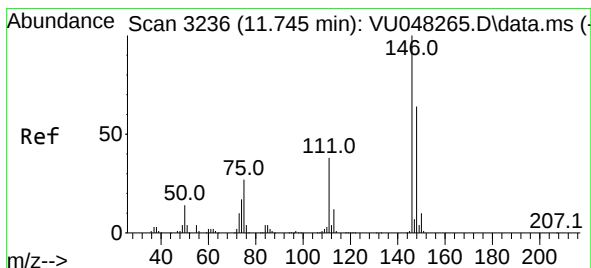
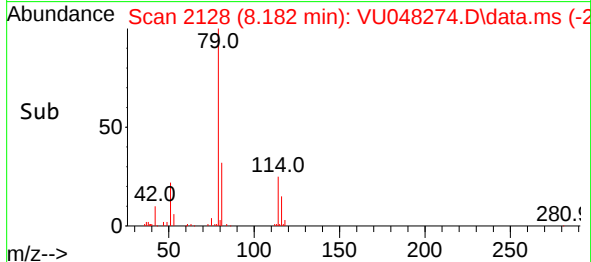
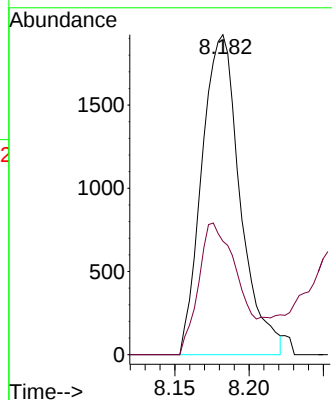
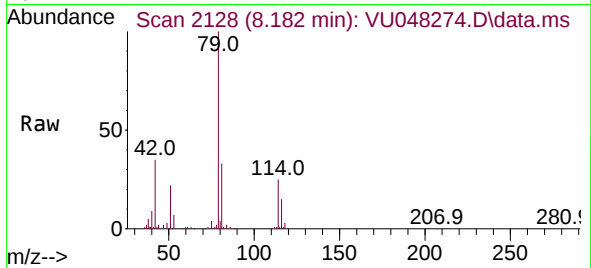




#44  
trans-1,3-Dichloropropene  
Concen: 0.767 ug/L  
RT: 8.182 min Scan# 2137  
Delta R.T. -0.029 min  
Lab File: VU048274.D  
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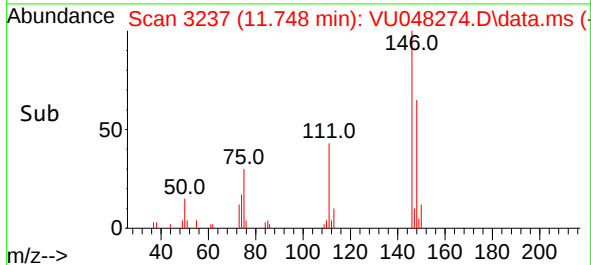
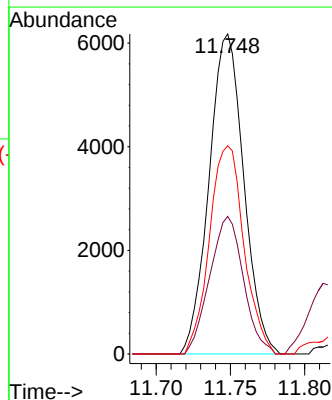
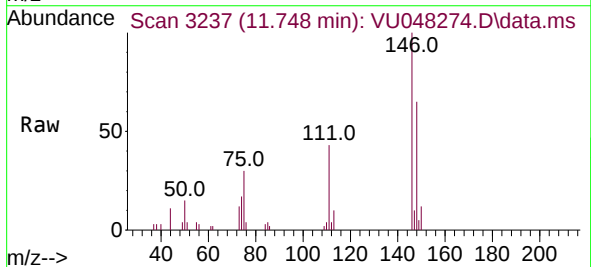
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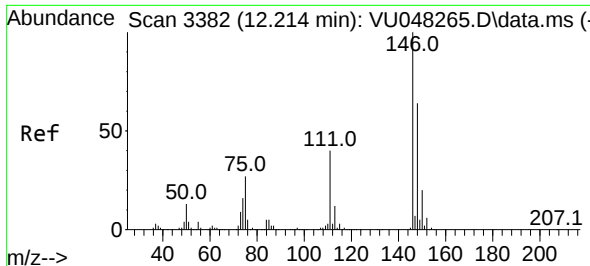
Tgt Ion: 75 Resp: 3453  
Ion Ratio Lower Upper  
75 100  
77 35.5 22.1 41.1



#64  
1,3-Dichlorobenzene  
Concen: 1.788 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. 0.003 min  
Lab File: VU048274.D  
Acq: 25 Apr 2022 17:40

Tgt Ion: 146 Resp: 10030  
Ion Ratio Lower Upper  
146 100  
111 43.0 26.7 49.7  
148 65.0 44.9 83.5

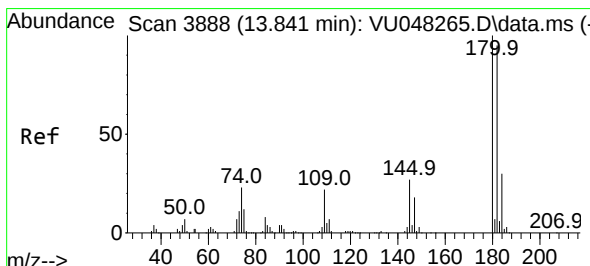
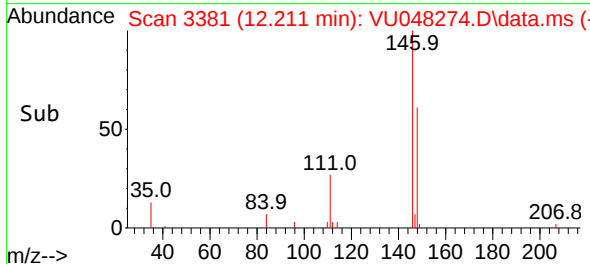
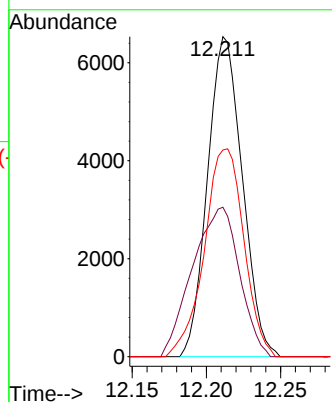
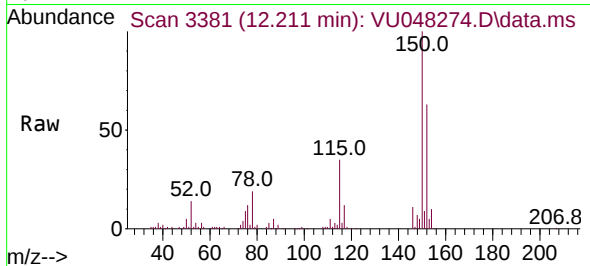




#67  
1,2-Dichlorobenzene  
Concen: 1.802 ug/L  
RT: 12.211 min Scan# 311  
Delta R.T. -0.003 min  
Lab File: VU048274.D  
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Tgt Ion:146 Resp: 10651  
Ion Ratio Lower Upper  
146 100  
111 46.7 31.7 47.5  
148 64.6 50.9 76.3



#70  
1,2,4-trichlorobenzene  
Concen: 5.260 ug/L  
RT: 13.844 min Scan# 3889  
Delta R.T. 0.003 min  
Lab File: VU048274.D  
Acq: 25 Apr 2022 17:40

Tgt Ion:180 Resp: 17322  
Ion Ratio Lower Upper  
180 100  
182 96.4 76.3 114.5  
145 25.9 22.6 33.8

