

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120922\  
 Data File : VU052294.D  
 Acq On : 09 Dec 2022 12:14  
 Operator : JC/MD  
 Sample : N5916-14  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 09 23:11:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 08 04:19:43 2022  
 Response via : Initial Calibration

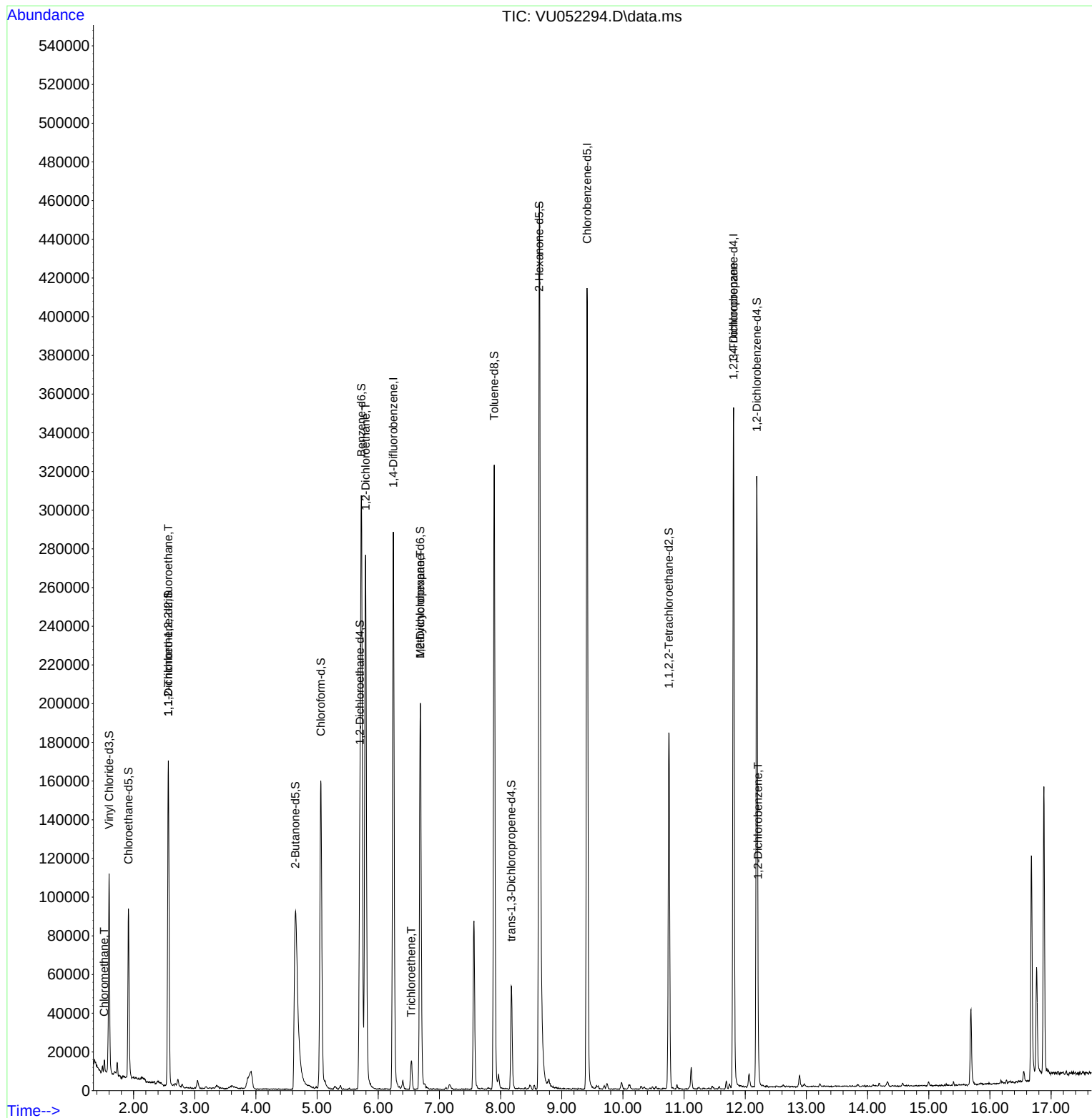
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 236077   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 241057   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 97970    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 74164    | 3.230    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 64.600%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 69517    | 3.898    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 78.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 31114    | 3.780    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 75.600%  |
| 20) 2-Butanone-d5             | 4.645  | 46    | 225953   | 54.284   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.560% |
| 24) Chloroform-d              | 5.060  | 84    | 153471   | 4.549    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 81735    | 4.796    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 96.000%  |
| 32) Benzene-d6                | 5.726  | 84    | 299874   | 4.190    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 103657   | 4.680    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.600%  |
| 41) Toluene-d8                | 7.896  | 98    | 227819   | 3.518    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 70.400%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 31319    | 3.881    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 77.600%  |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 160153   | 46.824   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 98832    | 5.147    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 86607    | 4.617    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.520  | 50    | 4884     | 0.183    | ug/L   | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568  | 101   | 1211     | 0.070    | ug/L # | 28       |
| 27) 1,2-Dichloroethane        | 5.793  | 62    | 237609   | 11.571   | ug/L   | 99       |
| 34) Trichloroethene           | 6.539  | 95    | 5377     | 0.275    | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.687  | 83    | 23265    | 0.827    | ug/L # | 20       |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75    | 12117    | 1.081    | ug/L # | 68       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146   | 3186     | 0.105    | ug/L # | 85       |
| -----                         |        |       |          |          |        |          |

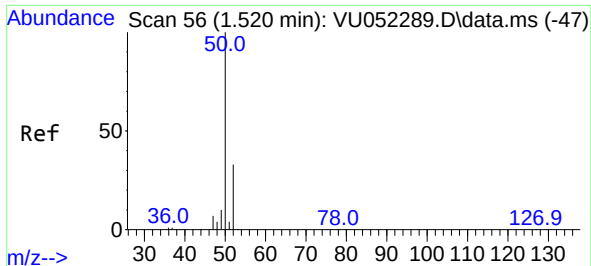
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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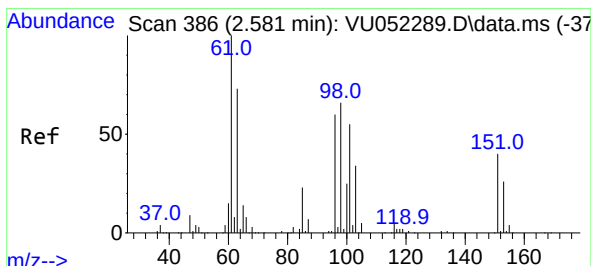
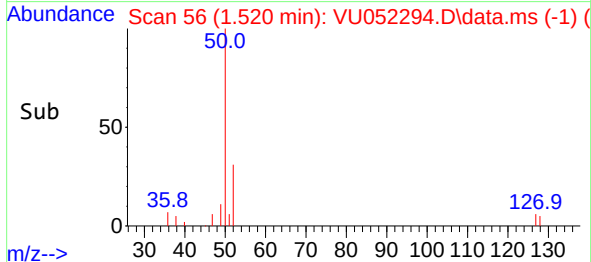
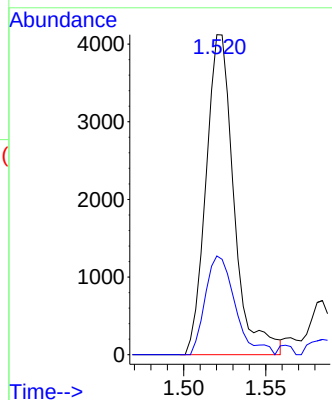
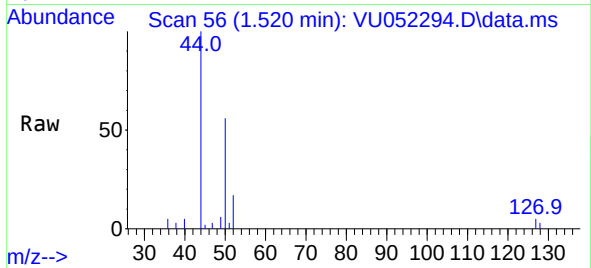




#3  
Chloromethane  
Concen: 0.183 ug/L  
RT: 1.520 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VU052294.D  
Acq: 09 Dec 2022 12:14

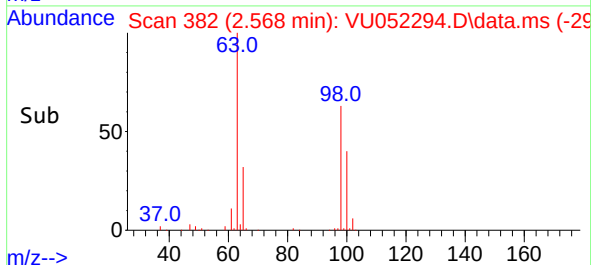
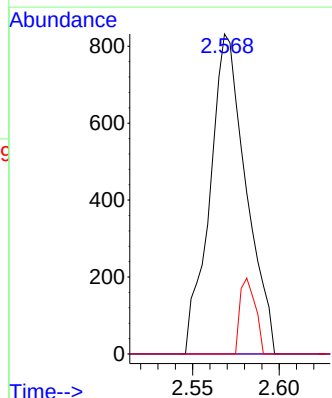
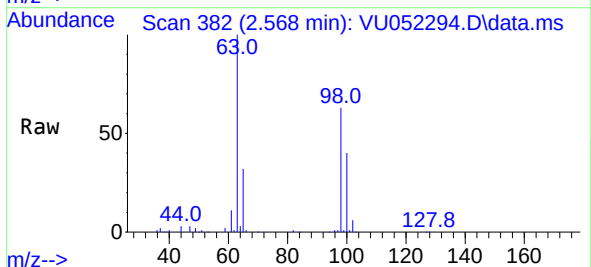
Instrument :  
MSVOA\_U  
ClientSampleId :

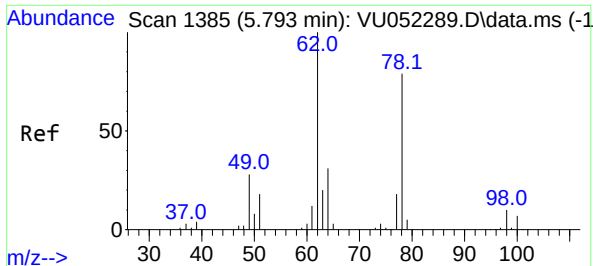
Tgt Ion: 50 Resp: 4884  
Ion Ratio Lower Upper  
50 100  
52 30.8 23.4 43.4



#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.070 ug/L  
RT: 2.568 min Scan# 382  
Delta R.T. -0.013 min  
Lab File: VU052294.D  
Acq: 09 Dec 2022 12:14

Tgt Ion: 101 Resp: 1211  
Ion Ratio Lower Upper  
101 100  
85 0.0 33.8 50.6#  
151 9.9 58.6 88.0#

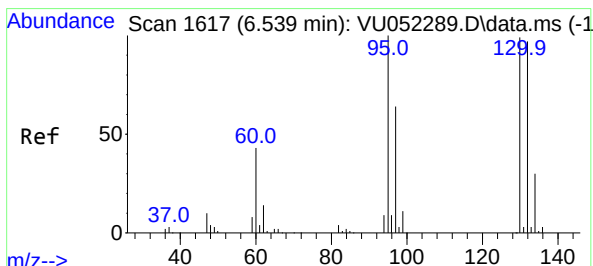
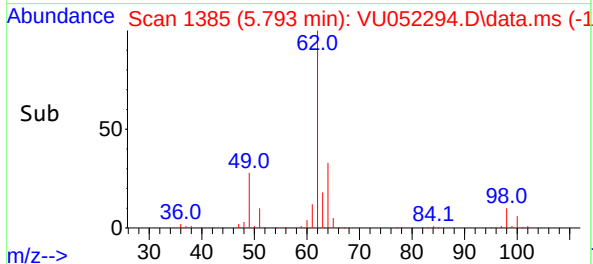
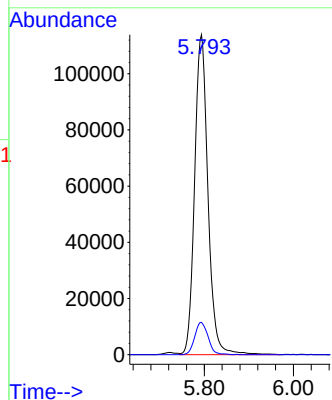
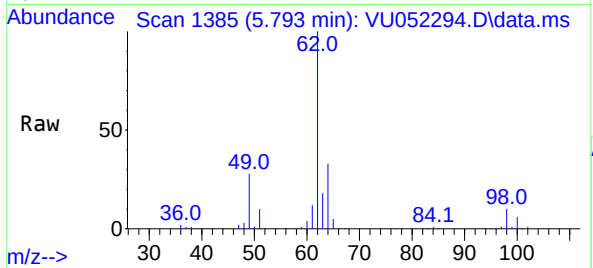




#27  
1,2-Dichloroethane  
Concen: 11.571 ug/L  
RT: 5.793 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU052294.D  
Acq: 09 Dec 2022 12:14

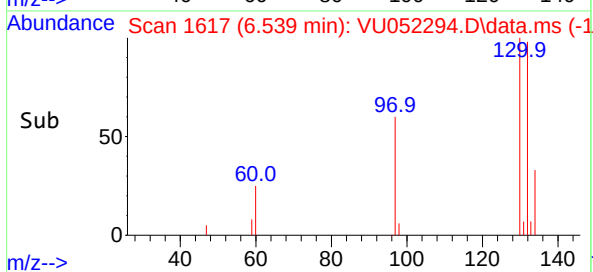
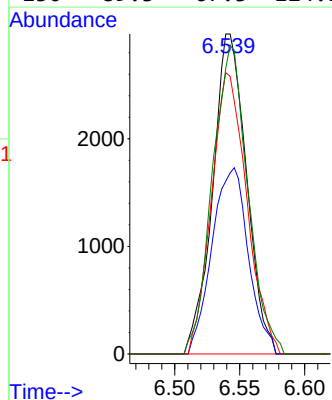
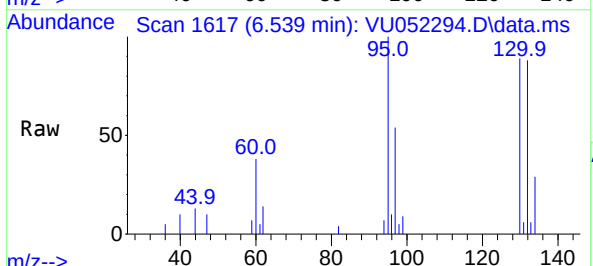
Instrument :  
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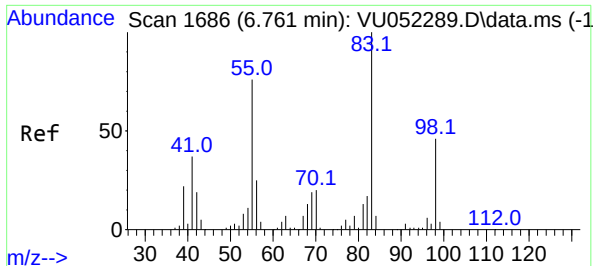
Tgt Ion: 62 Resp: 237609  
Ion Ratio Lower Upper  
62 100  
98 10.1 8.4 12.6



#34  
Trichloroethene  
Concen: 0.275 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. -0.003 min  
Lab File: VU052294.D  
Acq: 09 Dec 2022 12:14

Tgt Ion: 95 Resp: 5377  
Ion Ratio Lower Upper  
95 100  
97 54.0 43.7 81.1  
132 87.9 64.3 119.3  
130 89.3 67.3 124.9





#35

Methylcyclohexane

Concen: 0.827 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU052294.D

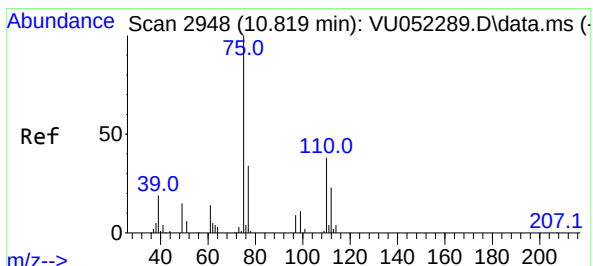
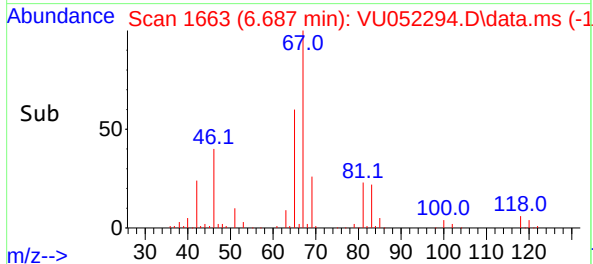
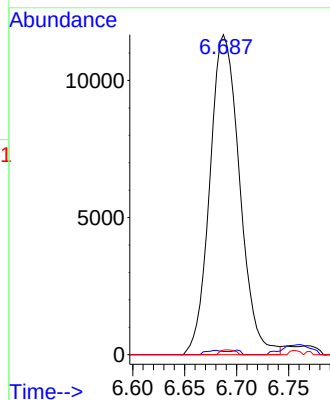
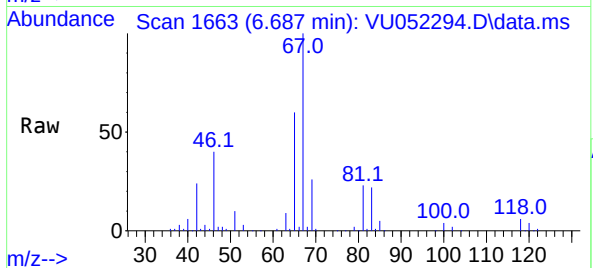
Acq: 09 Dec 2022 12:14

Instrument :

MSVOA\_U

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 23265 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.9      | 60.8 91.2#  |
| 98 0.7      | 35.1 52.7#  |



#61

1,2,3-Trichloropropane

Concen: 1.081 ug/L

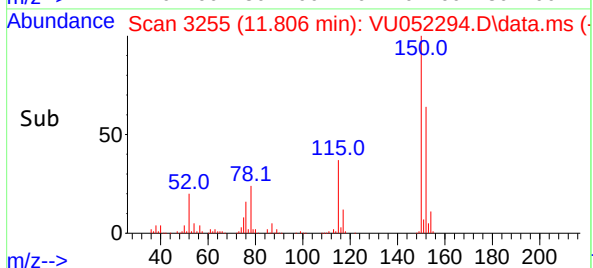
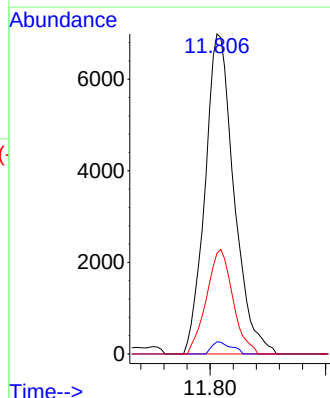
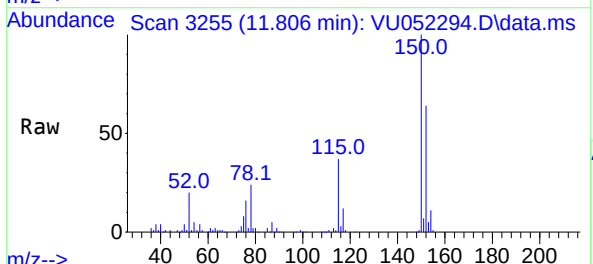
RT: 11.806 min Scan# 3255

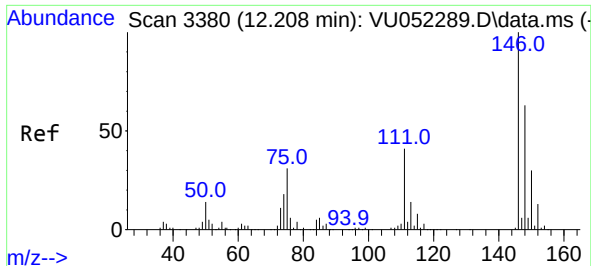
Delta R.T. 0.987 min

Lab File: VU052294.D

Acq: 09 Dec 2022 12:14

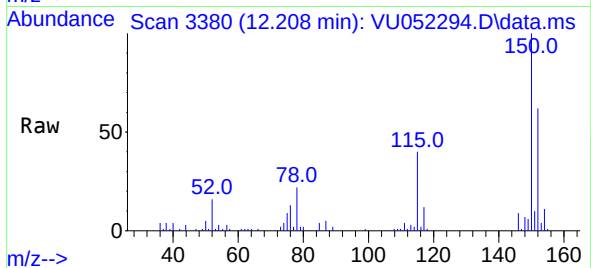
|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 12117 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 110 2.5     | 28.3 42.5#  |
| 77 29.8     | 26.2 39.2   |





#67  
 1,2-Dichlorobenzene  
 Concen: 0.105 ug/L  
 RT: 12.208 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VU052294.D  
 Acq: 09 Dec 2022 12:14

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion:146 Resp: 3186  
 Ion Ratio Lower Upper  
 146 100  
 111 40.5 32.7 49.1  
 148 82.2 50.6 75.8#

