

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120822\  
 Data File : VU052284.D  
 Acq On : 09 Dec 2022 05:52  
 Operator : JC/MD  
 Sample : N5960-03  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COL26

Quant Time: Dec 09 07:04:39 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

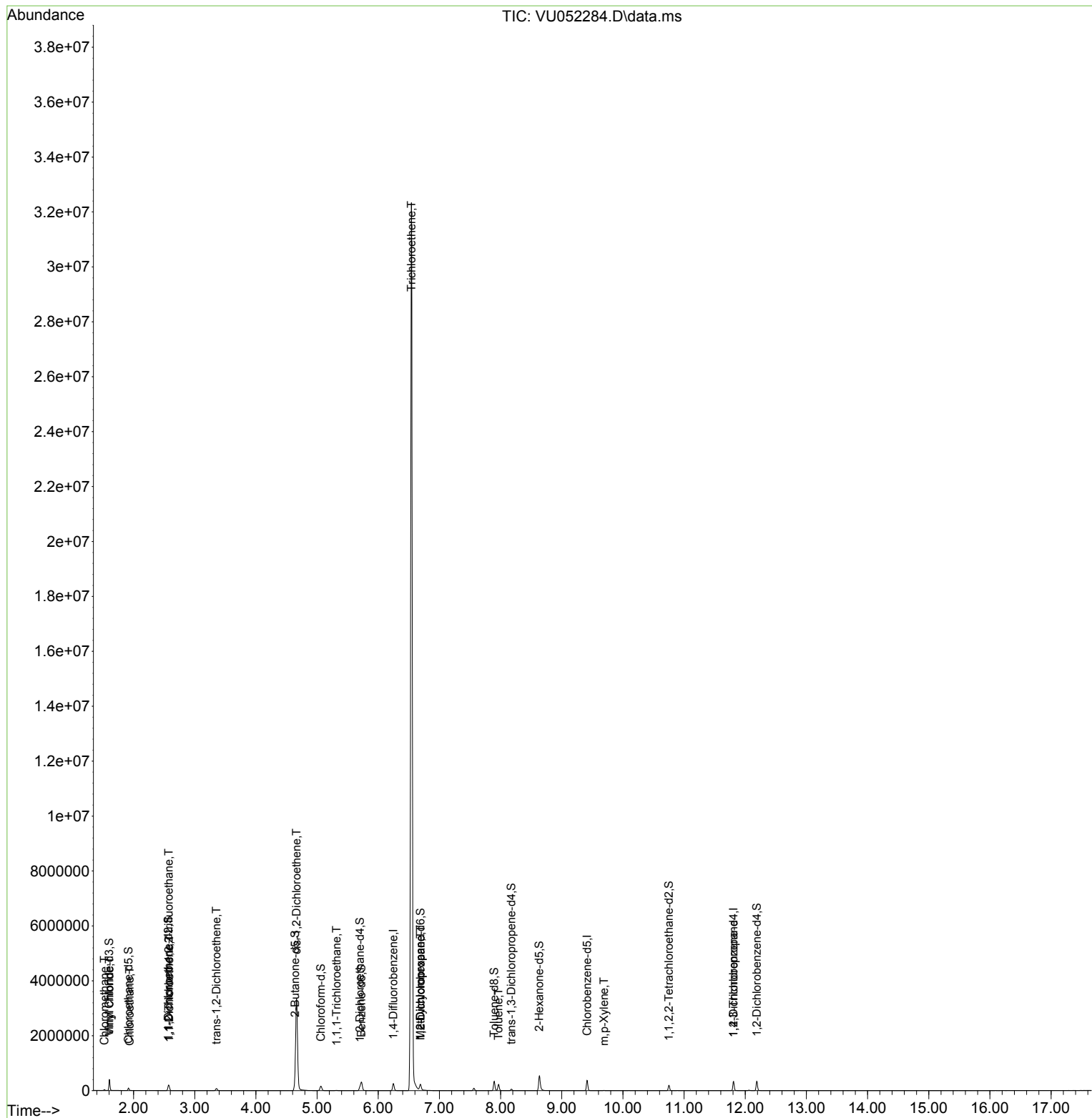
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 214893   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 219387   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 93746    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 73624    | 3.522    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 70.400%   |
| 7) Chloroethane-d5            | 1.916  | 69    | 69022    | 4.251    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.000%   |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 29353    | 3.918    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 78.400%   |
| 20) 2-Butanone-d5             | 4.642  | 46    | 283531   | 74.832   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 149.660%# |
| 24) Chloroform-d              | 5.063  | 84    | 154989   | 5.046    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 85137    | 5.488    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 109.800%  |
| 32) Benzene-d6                | 5.726  | 84    | 303447   | 4.659    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.200%   |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 103849   | 5.152    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 103.000%  |
| 41) Toluene-d8                | 7.896  | 98    | 239818   | 4.070    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 81.400%   |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 33613    | 4.576    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.600%   |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 194111   | 62.358   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 124.720%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 101384   | 5.801    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 116.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.188 | 152   | 96559    | 5.380    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 107.600%  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 3) Chloromethane              | 1.523  | 50    | 19020    | 0.782    | ug/L   | 99        |
| 5) Vinyl chloride             | 1.607  | 62    | 230258   | 9.853    | ug/L   | 96        |
| 8) Chloroethane               | 1.938  | 64    | 1497     | 0.103    | ug/L # | 82        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 995      | 0.063    | ug/L # | 20        |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 29560    | 1.896    | ug/L # | 83        |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 34784    | 2.082    | ug/L   | 91        |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 1795016  | 102.352  | ug/L   | 98        |
| 29) 1,1,1-Trichloroethane     | 5.317  | 97    | 6471     | 0.266    | ug/L # | 84        |
| 34) Trichloroethene           | 6.542  | 95    | 11597389 | 651.233  | ug/L   | 97        |
| 35) Methylcyclohexane         | 6.690  | 83    | 23966    | 0.936    | ug/L # | 19        |
| 37) 1,2-Dichloropropane       | 6.690  | 63    | 10622    | 0.575    | ug/L # | 89        |
| 42) Toluene                   | 7.967  | 91    | 171288   | 2.332    | ug/L   | 96        |
| 53) m,p-Xylene                | 9.690  | 106   | 2916     | 0.105    | ug/L   | 87        |
| 61) 1,2,3-Trichloropropane    | 11.806 | 75    | 11052    | 1.030    | ug/L # | 68        |
| -----                         |        |       |          |          |        |           |

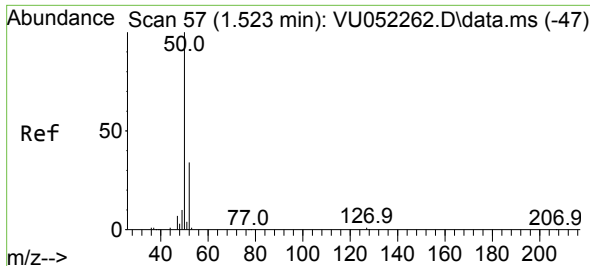
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120822\  
Data File : VU052284.D  
Acq On : 09 Dec 2022 05:52  
Operator : JC/MD  
Sample : N5960-03  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 51 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
COL26

Quant Time: Dec 09 07:04:39 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

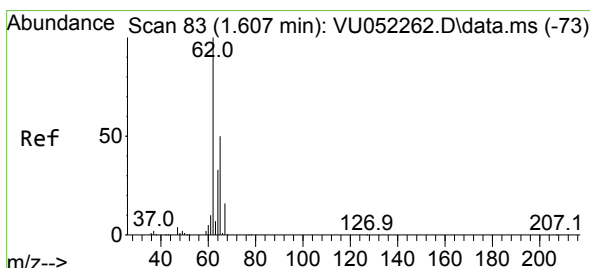
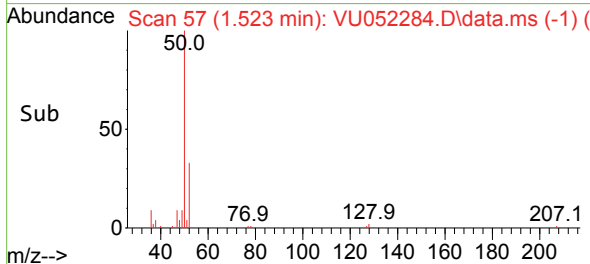
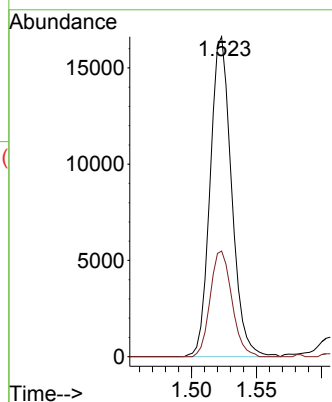
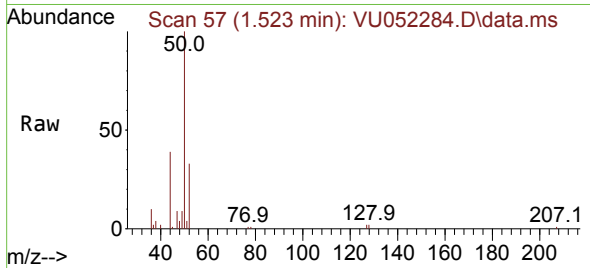




#3  
Chloromethane  
Concen: 0.782 ug/L  
RT: 1.523 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VU052284.D  
Acq: 09 Dec 2022 05:52

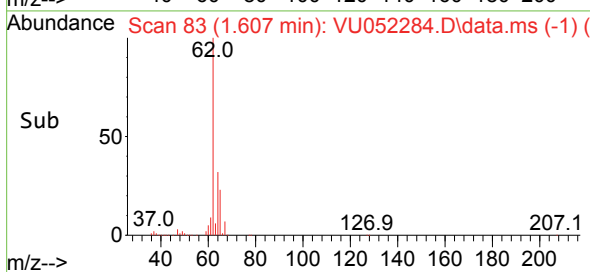
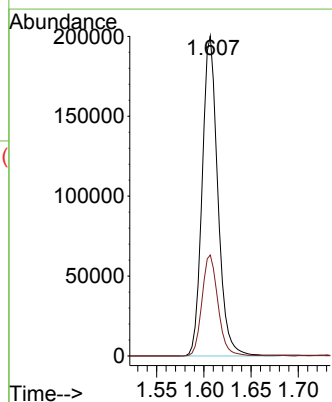
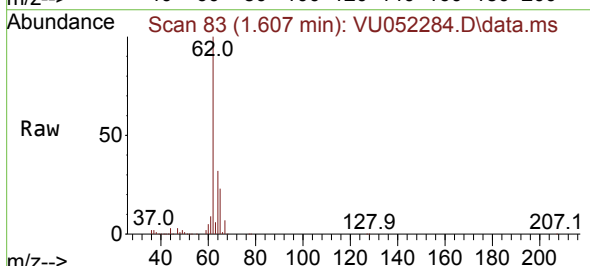
Instrument :  
MSVOA\_U  
ClientSampleId :  
COL26

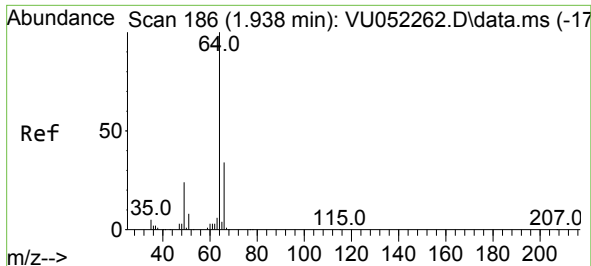
Tgt Ion: 50 Resp: 19020  
Ion Ratio Lower Upper  
50 100  
52 33.0 23.4 43.4



#5  
Vinyl chloride  
Concen: 9.853 ug/L  
RT: 1.607 min Scan# 83  
Delta R.T. 0.003 min  
Lab File: VU052284.D  
Acq: 09 Dec 2022 05:52

Tgt Ion: 62 Resp: 230258  
Ion Ratio Lower Upper  
62 100  
64 31.6 23.5 43.7

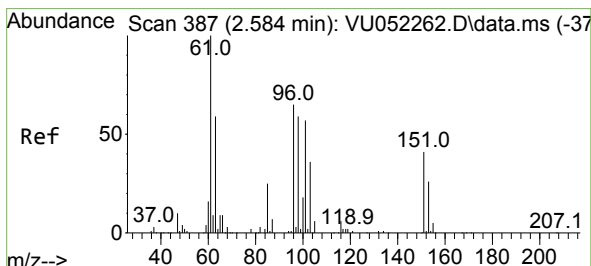
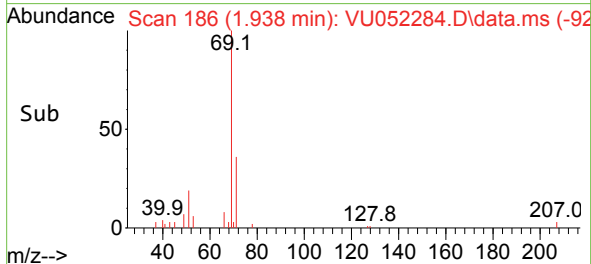
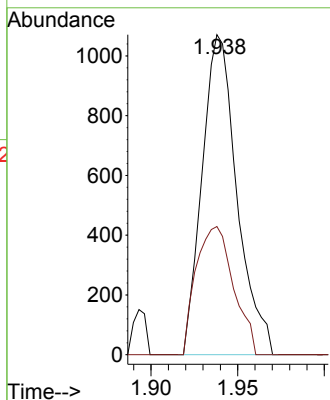
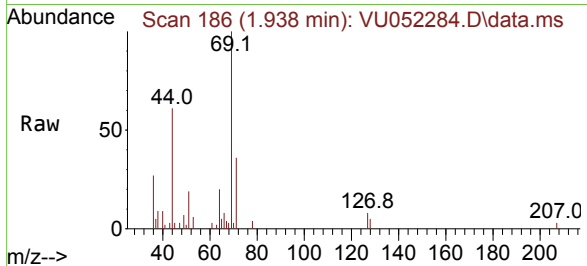




#8  
Chloroethane  
Concen: 0.103 ug/L  
RT: 1.938 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU052284.D  
Acq: 09 Dec 2022 05:52

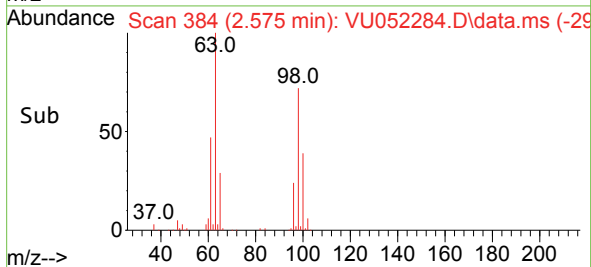
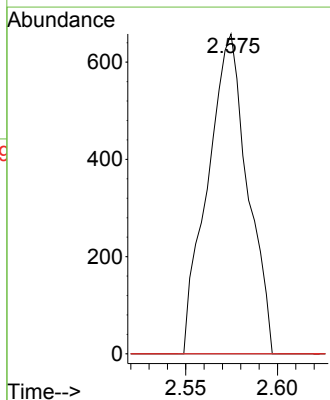
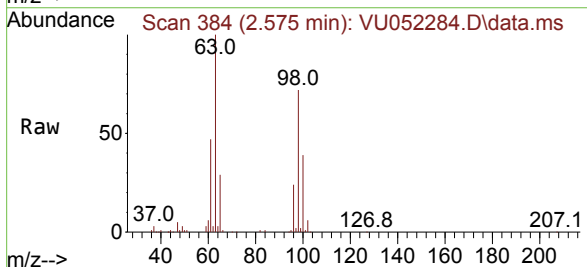
Instrument :  
MSVOA\_U  
ClientSampleId :  
COL26

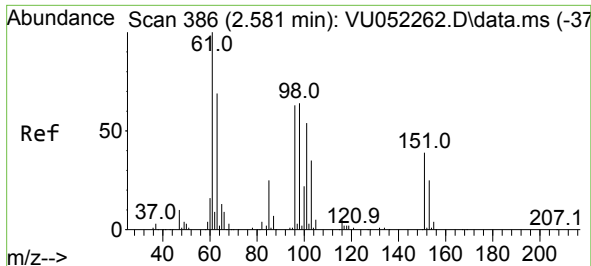
Tgt Ion: 64 Resp: 1497  
Ion Ratio Lower Upper  
64 100  
66 40.1 21.1 39.1#



#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.063 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.007 min  
Lab File: VU052284.D  
Acq: 09 Dec 2022 05:52

Tgt Ion:101 Resp: 995  
Ion Ratio Lower Upper  
101 100  
85 0.0 33.8 50.6#  
151 0.0 58.6 88.0#





#12

1,1-Dichloroethene

Concen: 1.896 ug/L

RT: 2.584 min Scan# 386

Delta R.T. 0.003 min

Lab File: VU052284.D

Acq: 09 Dec 2022 05:52

Instrument :

MSVOA\_U

ClientSampleId :

COL26

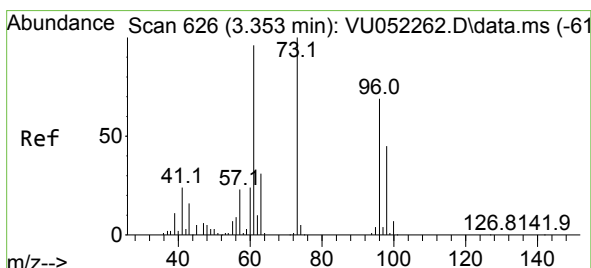
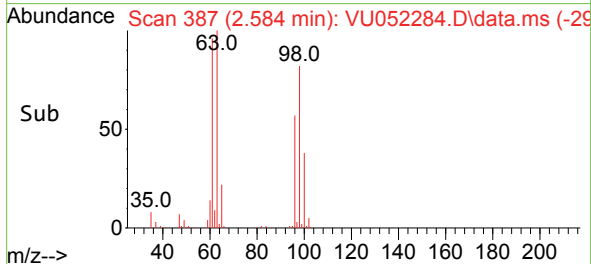
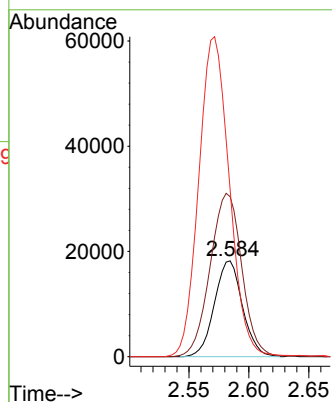
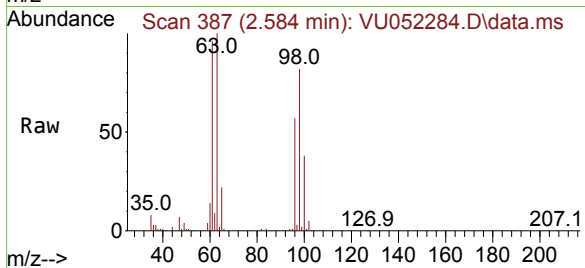
Tgt Ion: 96 Resp: 29560

Ion Ratio Lower Upper

96 100

61 167.0 114.8 213.2

63 174.5 93.7 174.1#



#18

trans-1,2-Dichloroethene

Concen: 2.082 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU052284.D

Acq: 09 Dec 2022 05:52

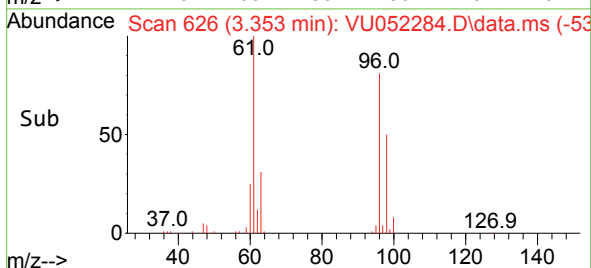
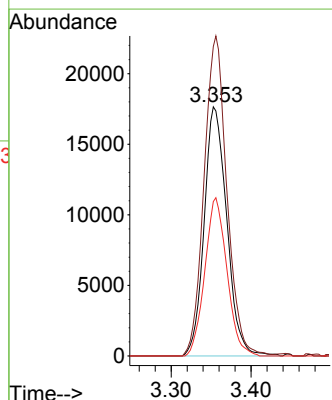
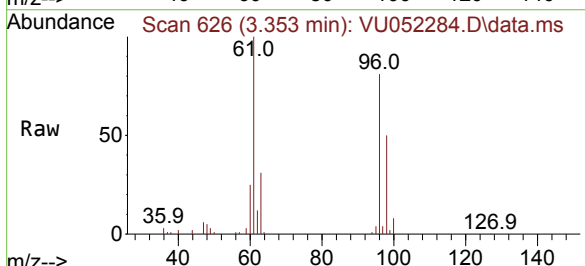
Tgt Ion: 96 Resp: 34784

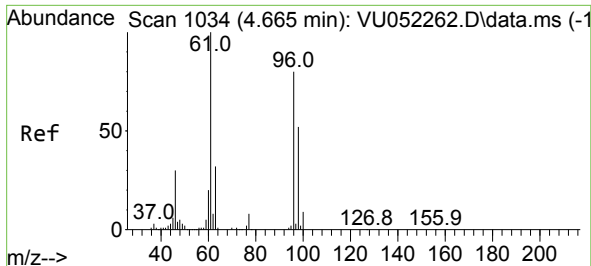
Ion Ratio Lower Upper

96 100

61 124.2 97.9 181.7

98 62.0 43.8 81.3

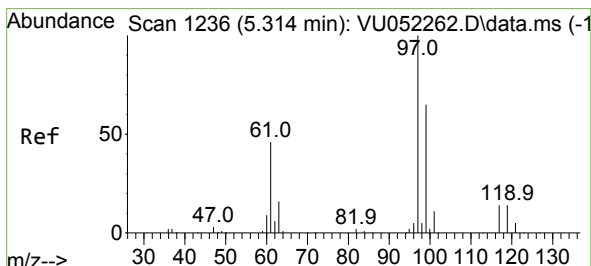
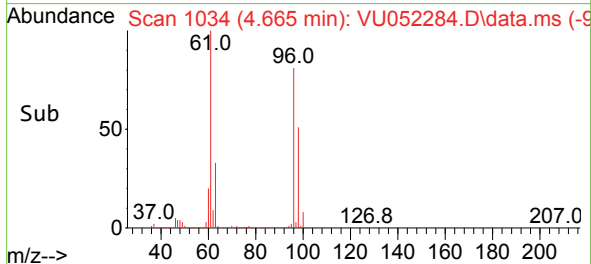
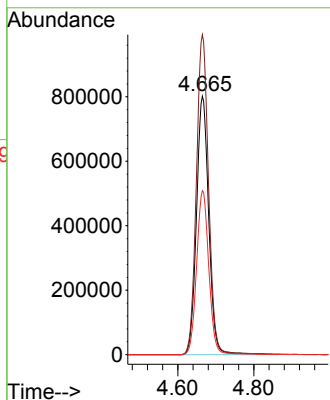
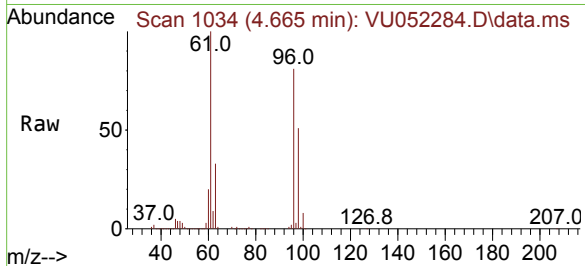




#22  
 cis-1,2-Dichloroethene  
 Concen: 102.352 ug/L  
 RT: 4.665 min Scan# 1034  
 Delta R.T. -0.000 min  
 Lab File: VU052284.D  
 Acq: 09 Dec 2022 05:52

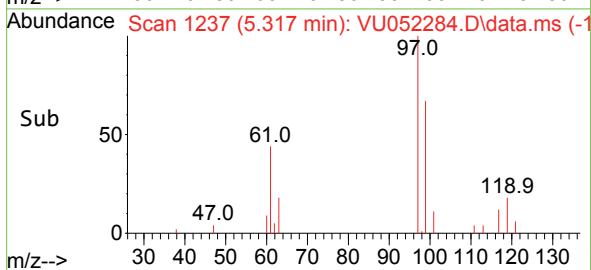
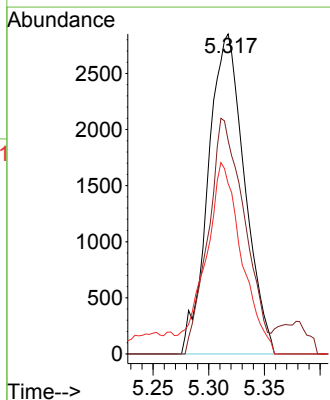
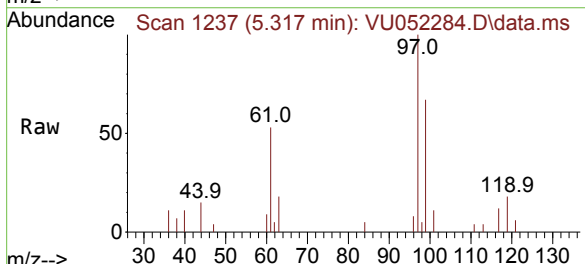
Instrument :  
 MSVOA\_U  
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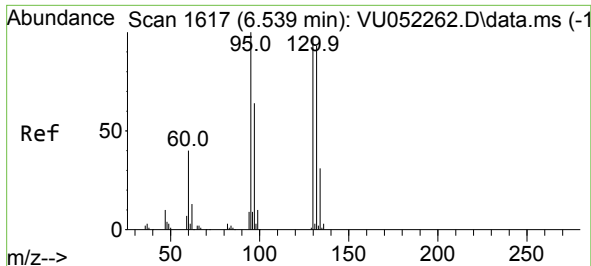
Tgt Ion: 96 Resp: 1795016  
 Ion Ratio Lower Upper  
 96 100  
 61 123.7 85.1 158.1  
 98 63.4 42.8 79.6



#29  
 1,1,1-Trichloroethane  
 Concen: 0.266 ug/L  
 RT: 5.317 min Scan# 1237  
 Delta R.T. 0.003 min  
 Lab File: VU052284.D  
 Acq: 09 Dec 2022 05:52

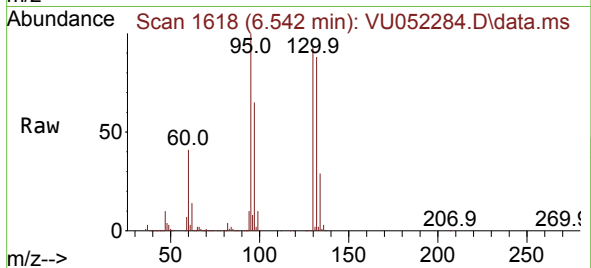
Tgt Ion: 97 Resp: 6471  
 Ion Ratio Lower Upper  
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 99 73.7 51.0 76.6  
 61 59.2 36.9 55.3#



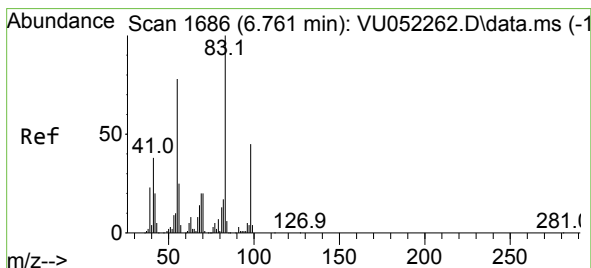
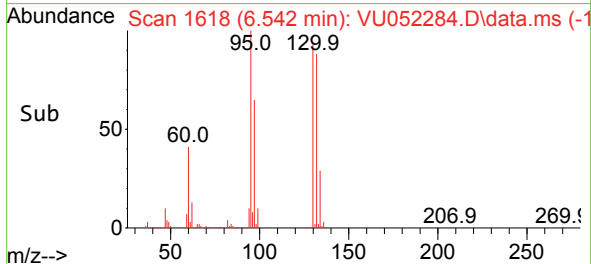
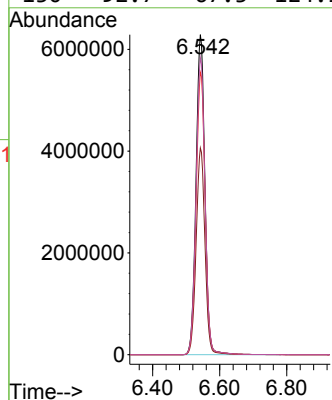


#34  
Trichloroethene  
Concen: 651.233 ug/L  
RT: 6.542 min Scan# 1617  
Delta R.T. -0.000 min  
Lab File: VU052284.D  
Acq: 09 Dec 2022 05:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
COL26

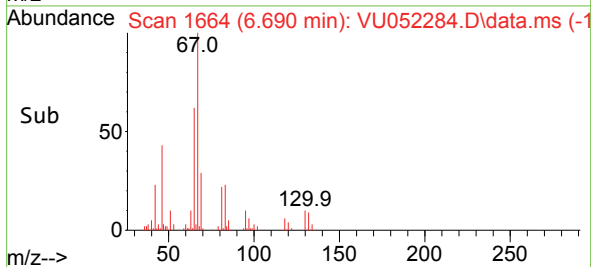
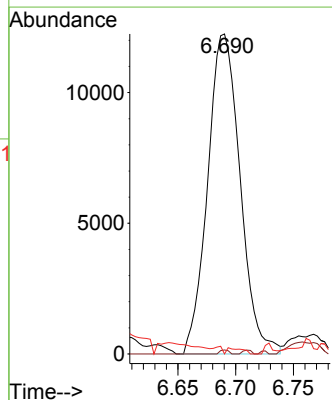
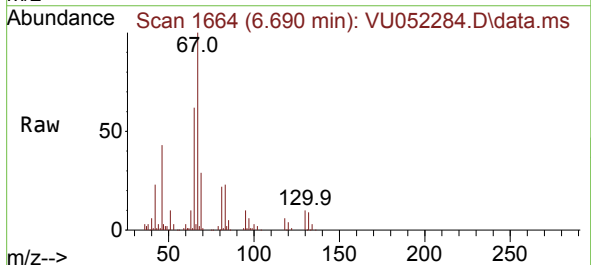


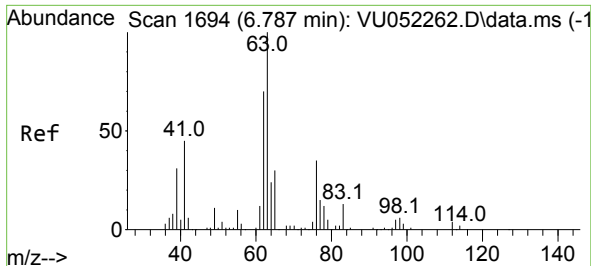
Tgt Ion: 95 Resp:11597389  
Ion Ratio Lower Upper  
95 100  
97 64.6 43.7 81.1  
132 88.2 64.3 119.3  
130 92.7 67.3 124.9



#35  
Methylcyclohexane  
Concen: 0.936 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.071 min  
Lab File: VU052284.D  
Acq: 09 Dec 2022 05:52

Tgt Ion: 83 Resp: 23966  
Ion Ratio Lower Upper  
83 100  
55 0.3 60.8 91.2#  
98 0.0 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.575 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052284.D

Acq: 09 Dec 2022 05:52

Instrument :

MSVOA\_U

ClientSampleId :

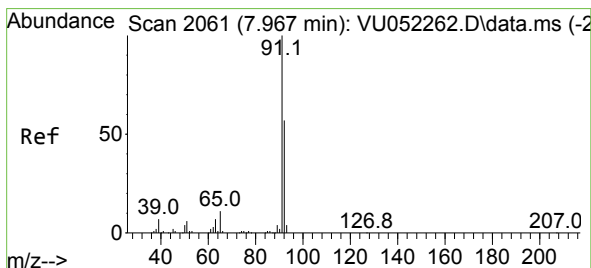
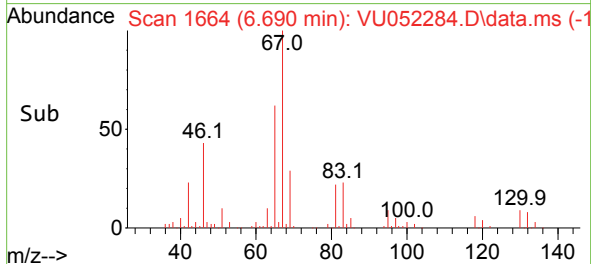
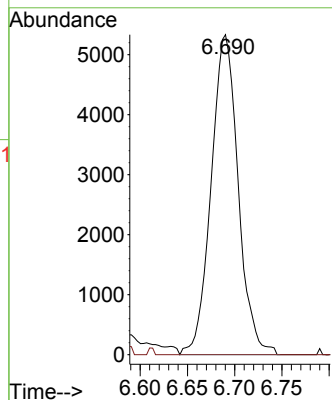
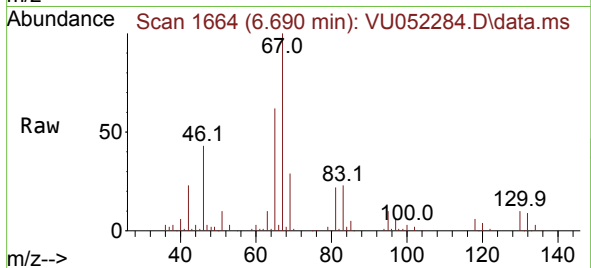
C0L26

Tgt Ion: 63 Resp: 10622

Ion Ratio Lower Upper

63 100

112 0.4 3.3 4.9#



#42

Toluene

Concen: 2.332 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU052284.D

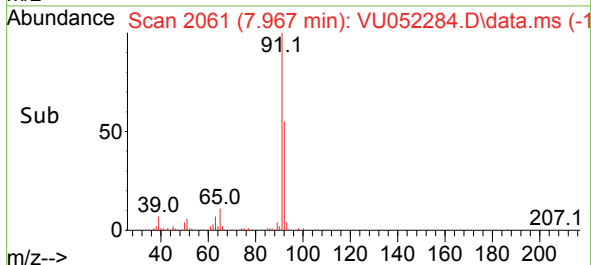
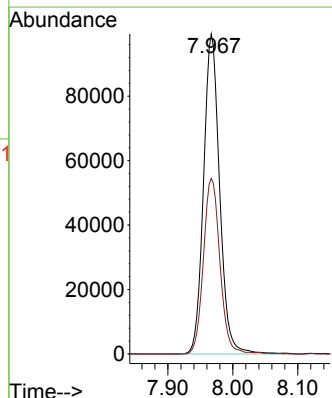
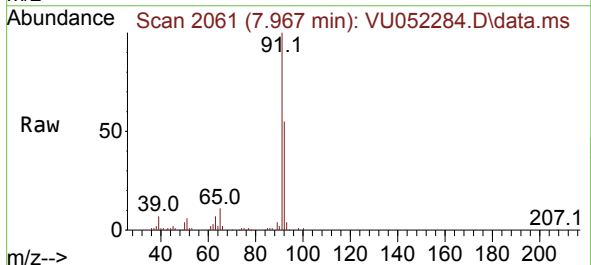
Acq: 09 Dec 2022 05:52

Tgt Ion: 91 Resp: 171288

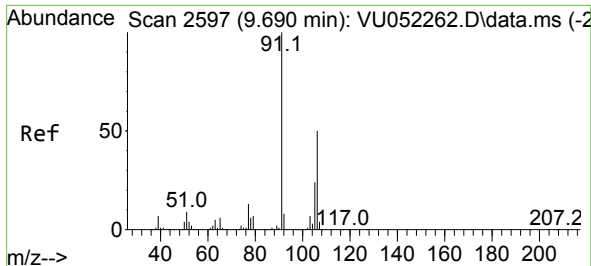
Ion Ratio Lower Upper

91 100

92 54.8 40.7 75.5



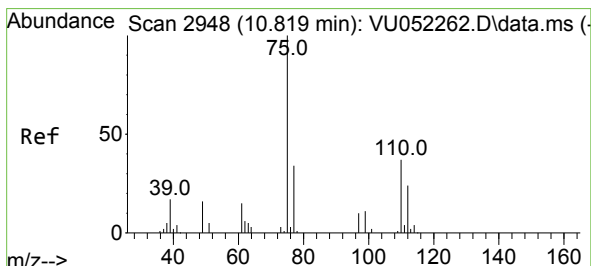
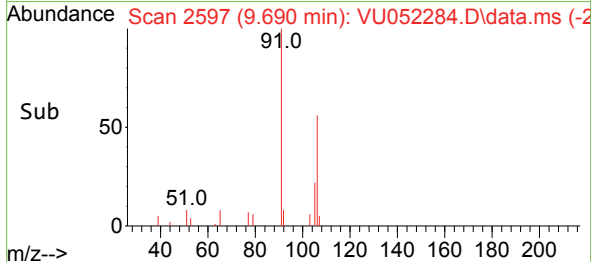
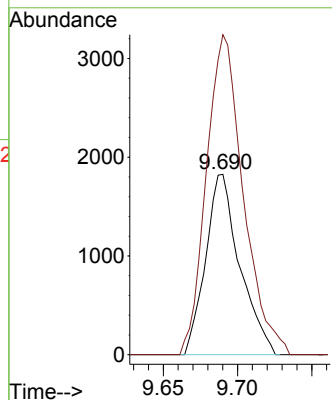
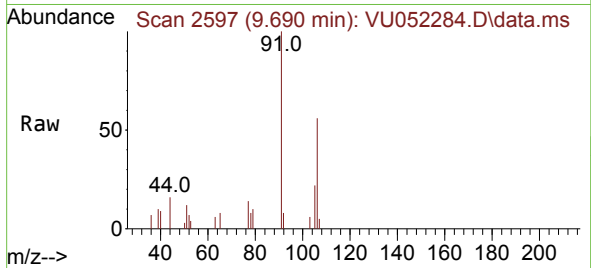




#53  
m,p-Xylene  
Concen: 0.105 ug/L  
RT: 9.690 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU052284.D  
Acq: 09 Dec 2022 05:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
COL26

Tgt Ion:106 Resp: 2916  
Ion Ratio Lower Upper  
106 100  
91 177.4 137.7 255.7



#61  
1,2,3-Trichloropropane  
Concen: 1.030 ug/L  
RT: 11.806 min Scan# 3255  
Delta R.T. 0.987 min  
Lab File: VU052284.D  
Acq: 09 Dec 2022 05:52

Tgt Ion: 75 Resp: 11052  
Ion Ratio Lower Upper  
75 100  
110 1.2 28.3 42.5#  
77 34.0 26.2 39.2

