

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122123\  
 Data File : VU057157.D  
 Acq On : 22 Dec 2023 00:28  
 Operator : MD/SY  
 Sample : 05894-20  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 22 01:07:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 21 23:30:13 2023  
 Response via : Initial Calibration

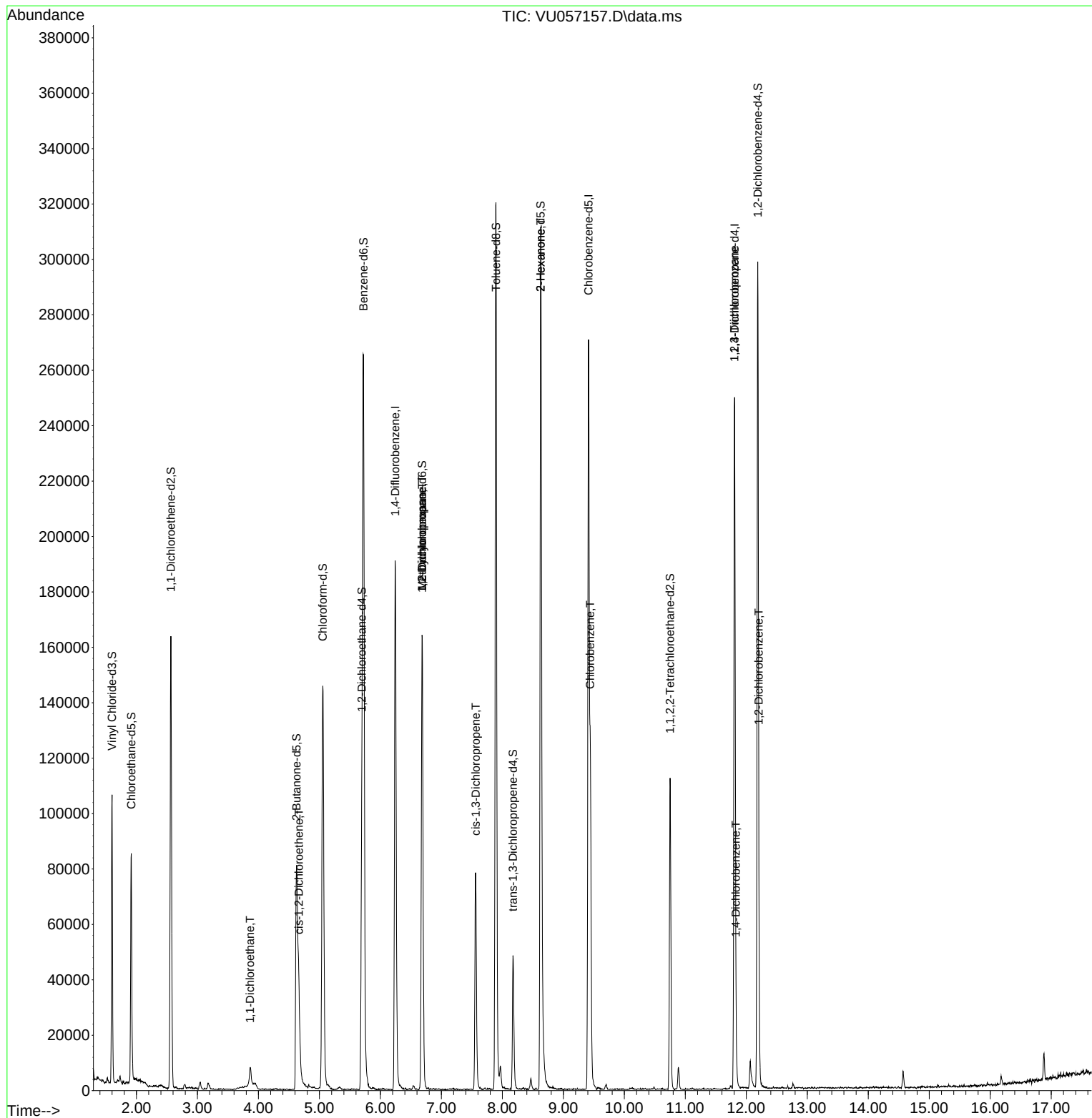
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 152237   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 149231   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 65638    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65    | 71722    | 4.929    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 98.600%  |
| 7) Chloroethane-d5            | 1.914  | 69    | 61666    | 5.148    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 103.000% |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 31346    | 4.972    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 99.400%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 127472   | 55.796   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 111.600% |
| 24) Chloroform-d              | 5.055  | 84    | 141931   | 5.051    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.000% |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 70763    | 5.284    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.600% |
| 32) Benzene-d6                | 5.721  | 84    | 256989   | 5.021    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.400% |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 76289    | 5.238    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 104.800% |
| 41) Toluene-d8                | 7.894  | 98    | 216338   | 4.629    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 29265    | 4.827    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.600%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 107210   | 51.933   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.860% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 55427    | 5.348    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 107.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 77558    | 5.491    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 109.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 19) 1,1-Dichloroethane        | 3.862  | 63    | 7622     | 0.346    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 10624    | 0.869    | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.682  | 83    | 20227    | 1.111    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.682  | 63    | 8741     | 0.743    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.563  | 75    | 2135     | 0.121    | ug/L # | 5        |
| 48) 2-Hexanone                | 8.627  | 43    | 13190    | 3.504    | ug/L # | 71       |
| 51) Chlorobenzene             | 9.441  | 112   | 62054    | 1.902    | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 11.804 | 75    | 9330     | 1.526    | ug/L # | 63       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146   | 3753     | 0.163    | ug/L   | 88       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146   | 4292     | 0.210    | ug/L   | 89       |
| -----                         |        |       |          |          |        |          |

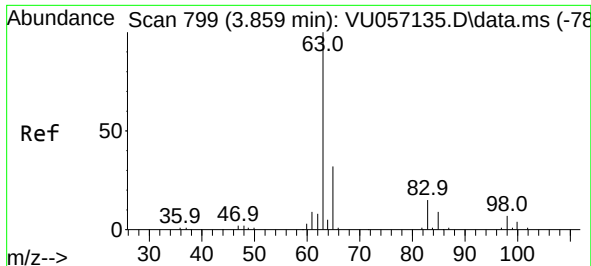
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 21 23:30:13 2023  
Response via : Initial Calibration





#19

1,1-Dichloroethane

Concen: 0.346 ug/L

RT: 3.862 min Scan# 80

Delta R.T. 0.003 min

Lab File: VU057157.D

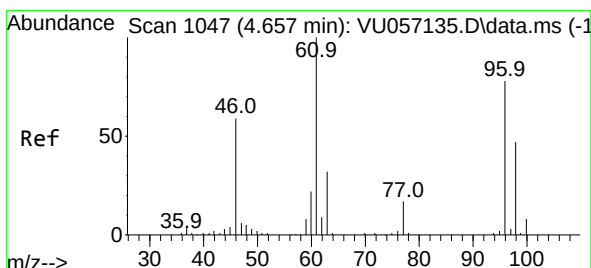
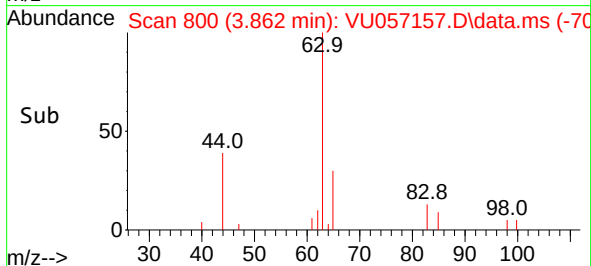
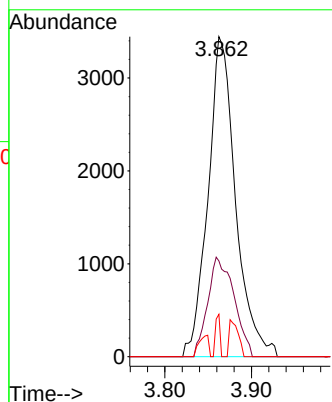
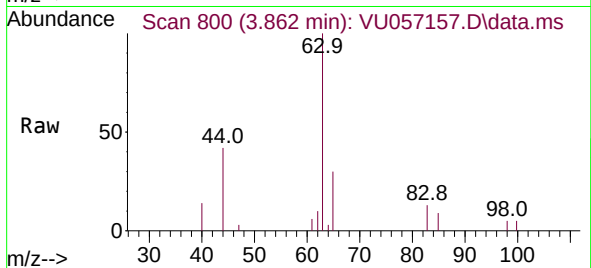
Acq: 22 Dec 2023 00:28

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 7622  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 29.9  | 21.6  | 40.2  |
| 83       | 13.2  | 10.2  | 19.0  |



#22

cis-1,2-Dichloroethene

Concen: 0.869 ug/L

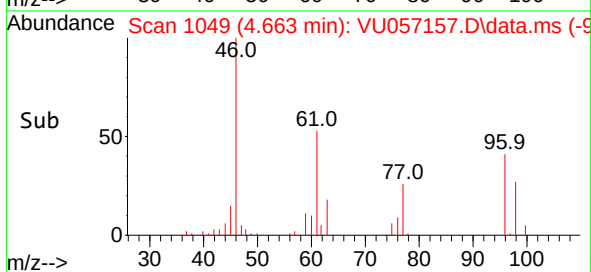
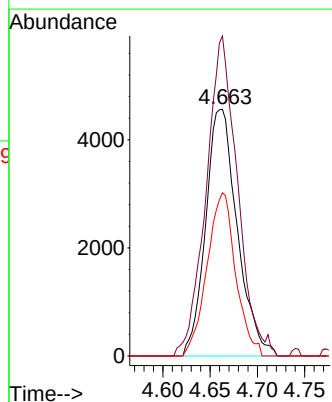
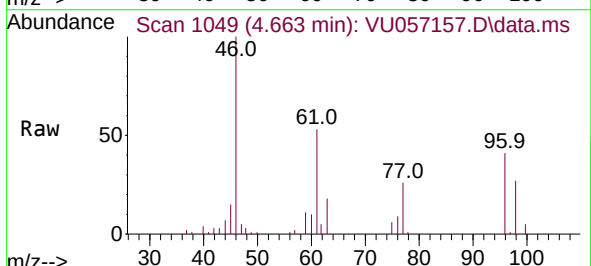
RT: 4.663 min Scan# 1049

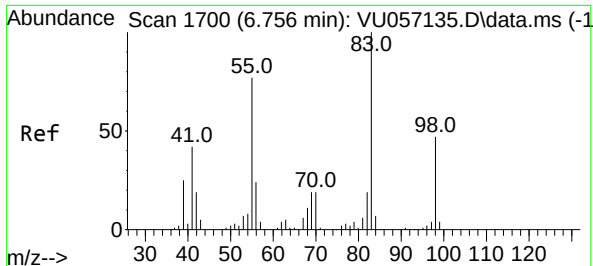
Delta R.T. 0.006 min

Lab File: VU057157.D

Acq: 22 Dec 2023 00:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 10624 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 129.7 | 86.8  | 161.2 |
| 98       | 66.2  | 45.5  | 84.5  |

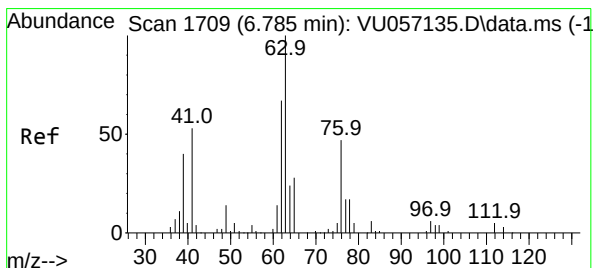
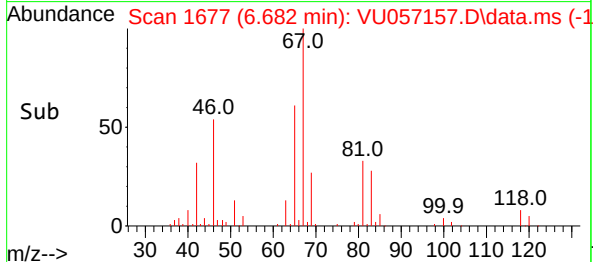
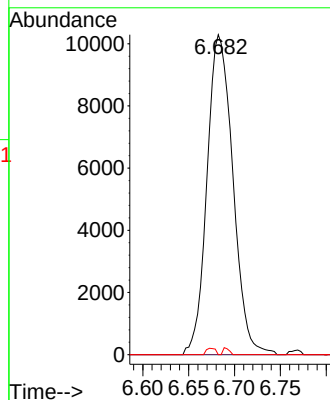
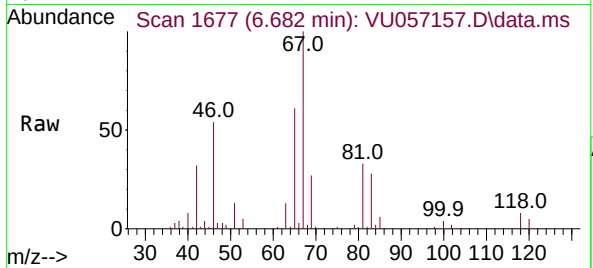




#35  
Methylcyclohexane  
Concen: 1.111 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.074 min  
Lab File: VU057157.D  
Acq: 22 Dec 2023 00:28

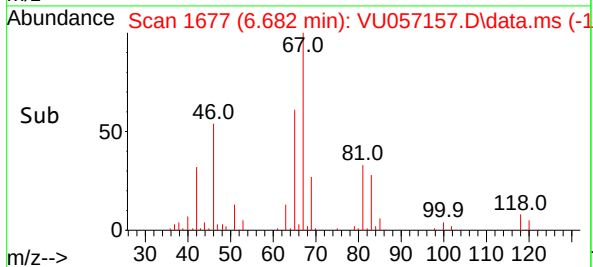
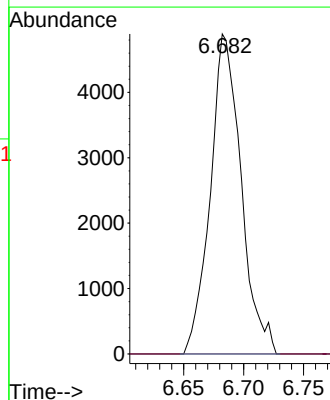
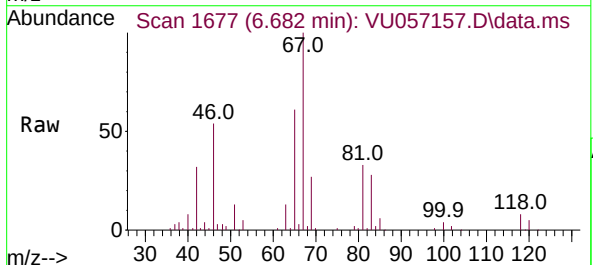
Instrument :  
MSVOA\_U  
ClientSampleId :

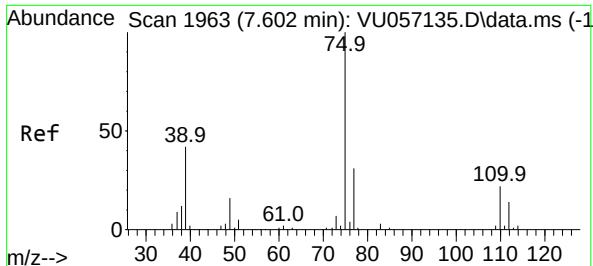
Tgt Ion: 83 Resp: 20227  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.3 91.9#  
98 0.5 36.6 55.0#



#37  
1,2-Dichloropropane  
Concen: 0.743 ug/L  
RT: 6.682 min Scan# 1677  
Delta R.T. -0.103 min  
Lab File: VU057157.D  
Acq: 22 Dec 2023 00:28

Tgt Ion: 63 Resp: 8741  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#





#39

cis-1,3-Dichloropropene

Concen: 0.121 ug/L

RT: 7.563 min Scan# 1963

Delta R.T. -0.039 min

Lab File: VU057157.D

Acq: 22 Dec 2023 00:28

Instrument :

MSVOA\_U

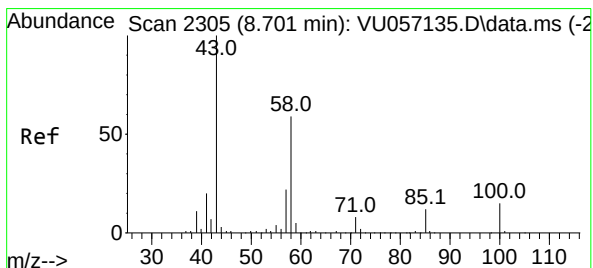
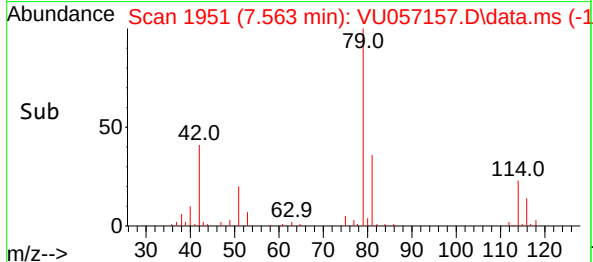
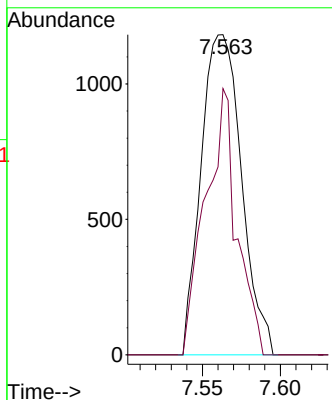
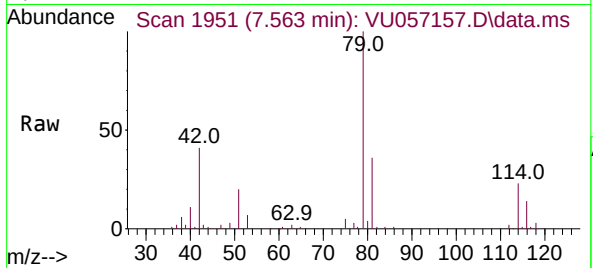
ClientSampleId :

Tgt Ion: 75 Resp: 2135

Ion Ratio Lower Upper

75 100

77 83.2 21.8 40.4#



#48

2-Hexanone

Concen: 3.504 ug/L

RT: 8.627 min Scan# 2282

Delta R.T. -0.074 min

Lab File: VU057157.D

Acq: 22 Dec 2023 00:28

Tgt Ion: 43 Resp: 13190

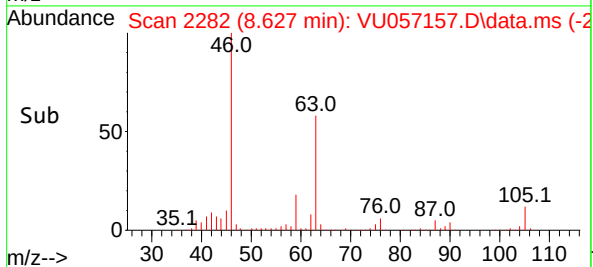
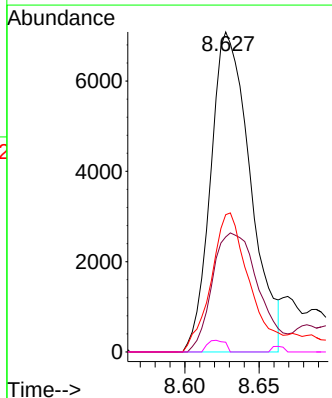
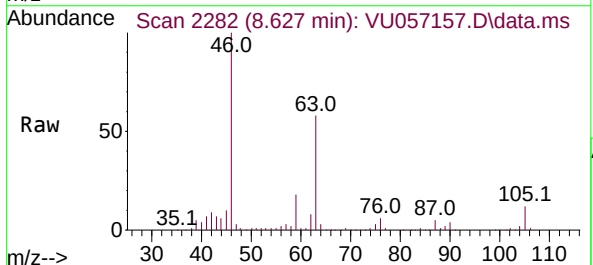
Ion Ratio Lower Upper

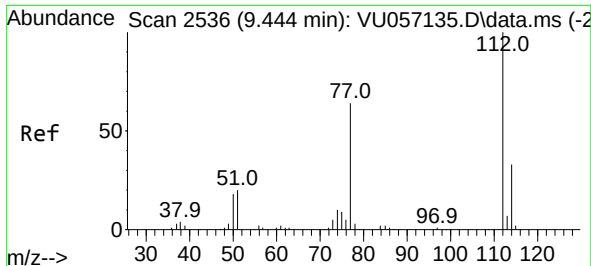
43 100

58 43.5 49.8 74.8#

57 42.4 18.5 27.7#

100 1.6 11.1 16.7#

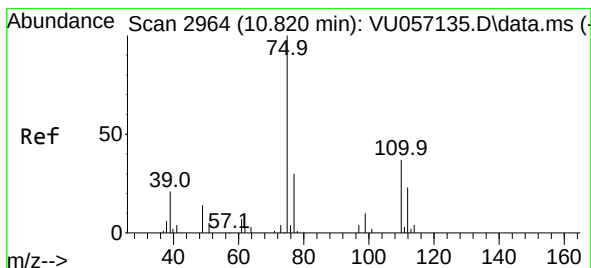
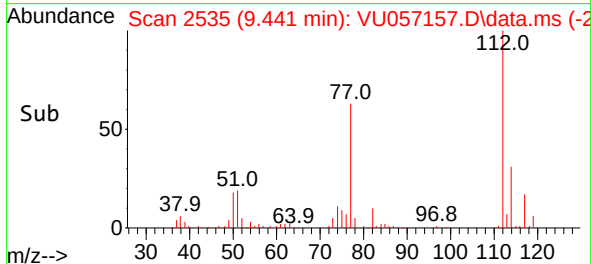
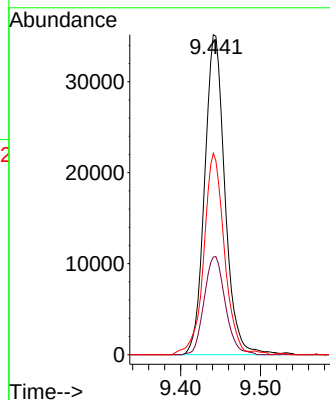
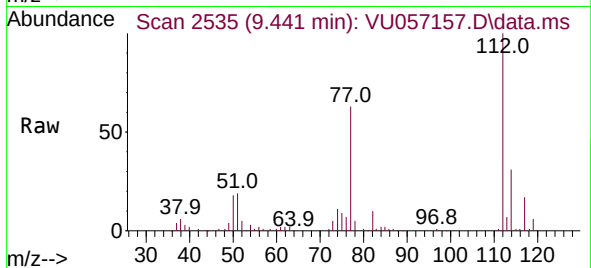




#51  
Chlorobenzene  
Concen: 1.902 ug/L  
RT: 9.441 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU057157.D  
Acq: 22 Dec 2023 00:28

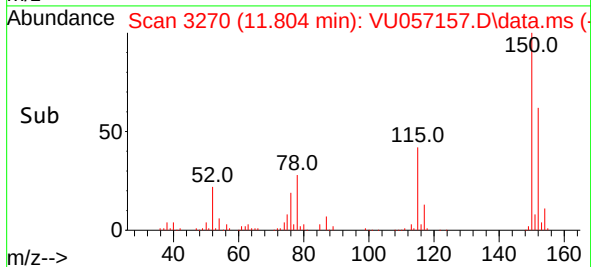
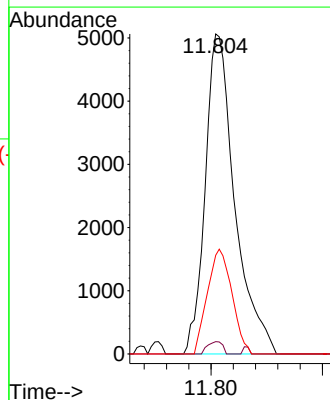
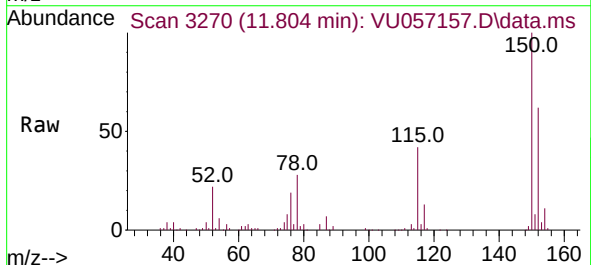
Instrument :  
MSVOA\_U  
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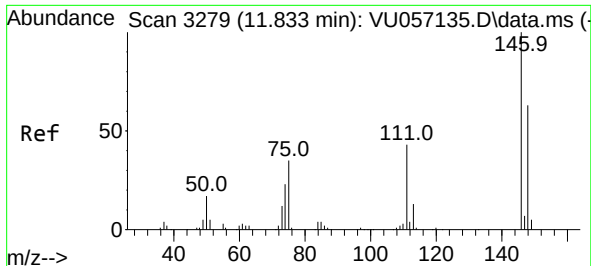
Tgt Ion:112 Resp: 62054  
Ion Ratio Lower Upper  
112 100  
114 30.5 22.7 42.1  
77 63.0 52.2 78.2



#61  
1,2,3-Trichloropropane  
Concen: 1.526 ug/L  
RT: 11.804 min Scan# 3270  
Delta R.T. 0.984 min  
Lab File: VU057157.D  
Acq: 22 Dec 2023 00:28

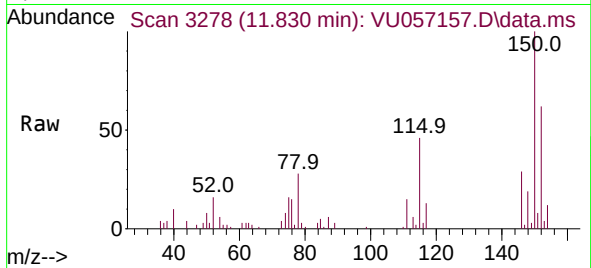
Tgt Ion: 75 Resp: 9330  
Ion Ratio Lower Upper  
75 100  
110 2.0 31.2 46.8#  
77 27.2 25.5 38.3



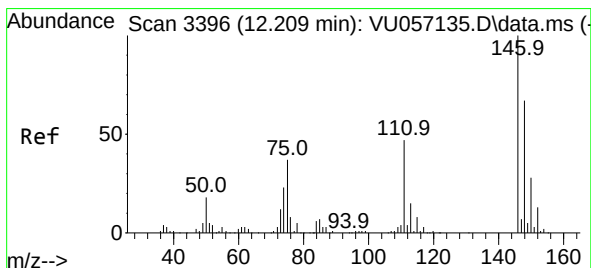
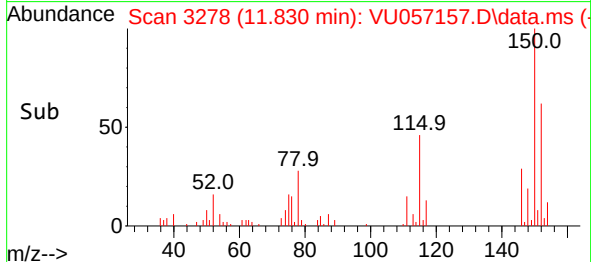
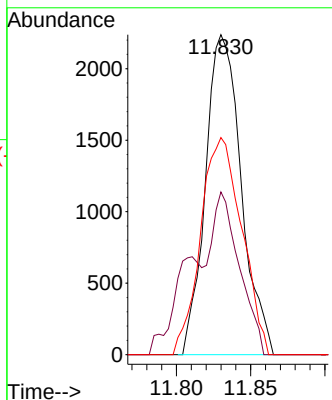


#65  
1,4-Dichlorobenzene  
Concen: 0.163 ug/L  
RT: 11.830 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU057157.D  
Acq: 22 Dec 2023 00:28

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:146 Resp: 3753  
Ion Ratio Lower Upper  
146 100  
111 50.8 28.1 52.3  
148 67.9 43.0 79.8



#67  
1,2-Dichlorobenzene  
Concen: 0.210 ug/L  
RT: 12.203 min Scan# 3394  
Delta R.T. -0.006 min  
Lab File: VU057157.D  
Acq: 22 Dec 2023 00:28

Tgt Ion:146 Resp: 4292  
Ion Ratio Lower Upper  
146 100  
111 52.3 37.9 56.9  
148 73.7 50.1 75.1

