

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122723\  
 Data File : VU057315.D  
 Acq On : 28 Dec 2023 06:46  
 Operator : MD/SY  
 Sample : 06020-11  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 28 20:45:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 28 05:49:04 2023  
 Response via : Initial Calibration

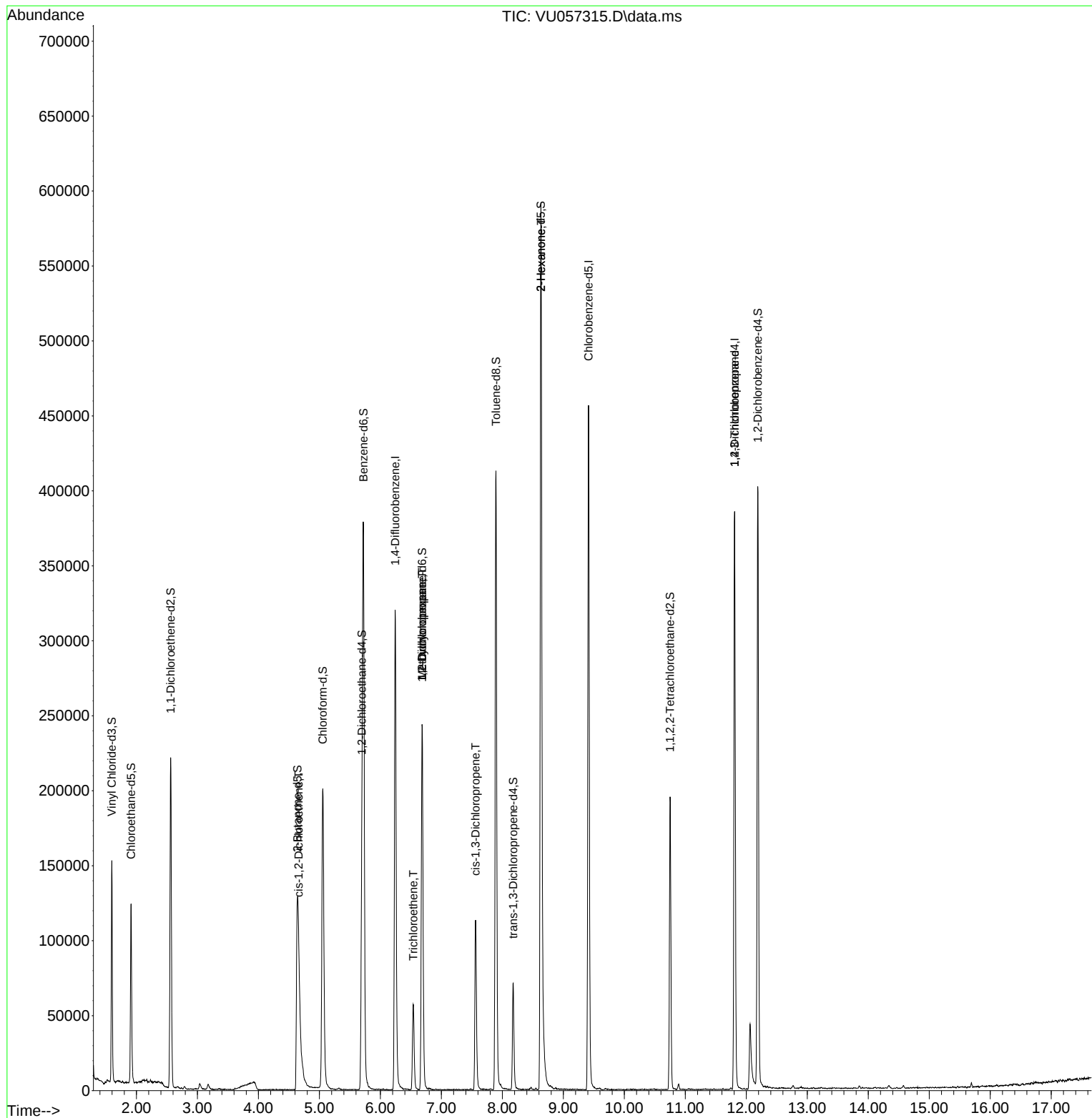
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114            | 252533   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117            | 256481   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 101972   | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65             | 105358   | 4.853  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 97.000%  |          |
| 7) Chloroethane-d5            | 1.911  | 69             | 91237    | 5.232  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 104.600% |          |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65             | 43517    | 5.036  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 100.800% |          |
| 20) 2-Butanone-d5             | 4.641  | 46             | 272290   | 55.376 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 110.760% |          |
| 24) Chloroform-d              | 5.055  | 84             | 194951   | 5.050  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 101.000% |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 108567   | 5.503  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 110.000% |          |
| 32) Benzene-d6                | 5.721  | 84             | 362118   | 4.953  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 99.000%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67             | 119771   | 5.228  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 104.600% |          |
| 41) Toluene-d8                | 7.894  | 98             | 283651   | 4.497  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 90.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79             | 42424    | 4.615  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 92.400%  |          |
| 46) 2-Hexanone-d5             | 8.631  | 63             | 206759   | 49.660 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 99.320%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84             | 101769   | 5.289  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 105.800% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152            | 104635   | 5.635  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 112.800% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 22) cis-1,2-Dichloroethene    | 4.660  | 96             | 4628     | 0.244  | ug/L     | 91       |
| 34) Trichloroethene           | 6.541  | 95             | 21700    | 1.102  | ug/L     | 93       |
| 35) Methylcyclohexane         | 6.682  | 83             | 30227    | 1.175  | ug/L #   | 17       |
| 37) 1,2-Dichloropropane       | 6.685  | 63             | 12965    | 0.631  | ug/L #   | 89       |
| 39) cis-1,3-Dichloropropene   | 7.560  | 75             | 3216     | 0.114  | ug/L #   | 78       |
| 48) 2-Hexanone                | 8.634  | 43             | 26902    | 3.484  | ug/L #   | 75       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75             | 13046    | 1.225  | ug/L #   | 69       |

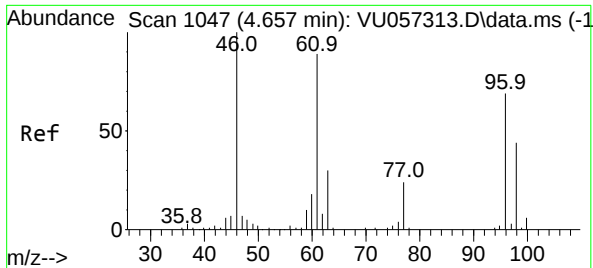
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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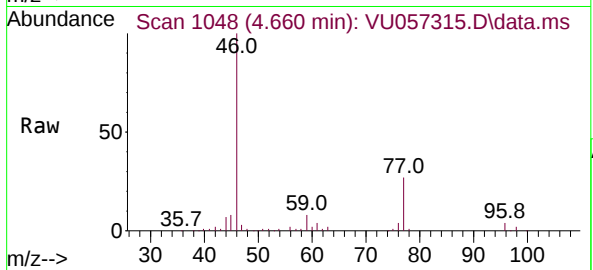
Quant Time: Dec 28 20:45:54 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122723WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 28 05:49:04 2023  
Response via : Initial Calibration





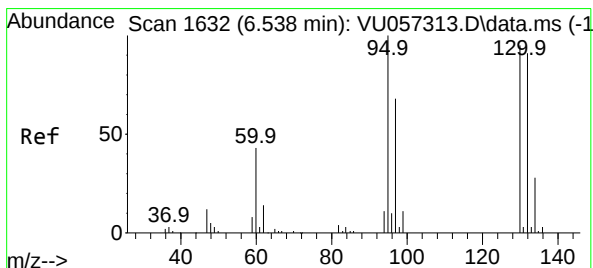
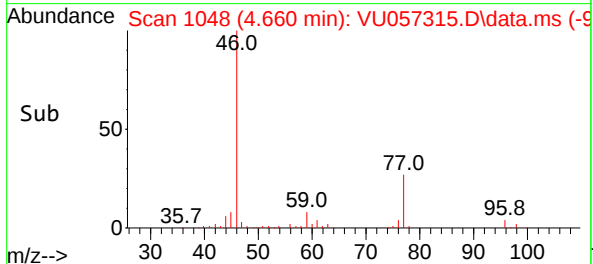
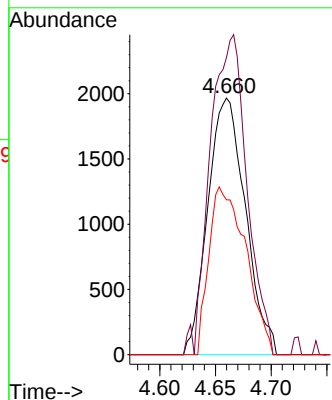
#22  
cis-1,2-Dichloroethene  
Concen: 0.244 ug/L  
RT: 4.660 min Scan# 1048  
Delta R.T. 0.003 min  
Lab File: VU057315.D  
Acq: 28 Dec 2023 06:46

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 96 Resp: 4628

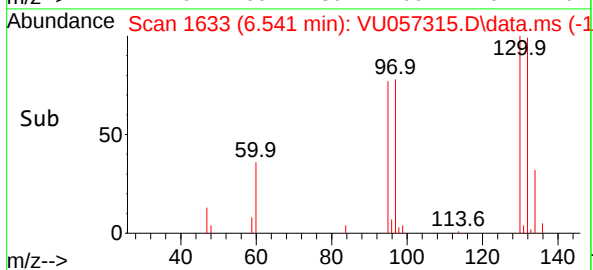
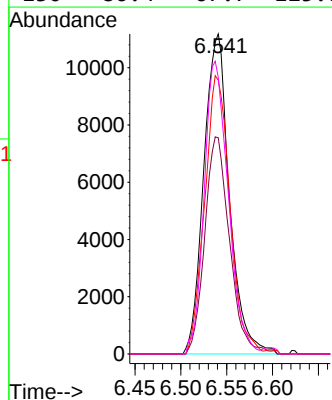
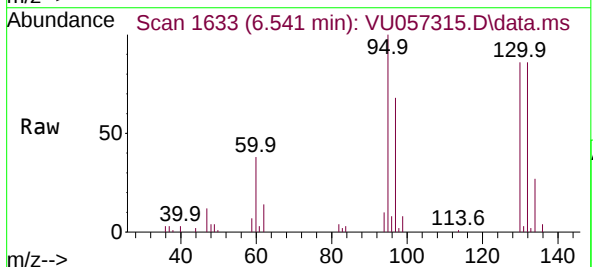
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 115.8 | 91.1  | 169.3 |
| 98  | 60.3  | 42.6  | 79.0  |

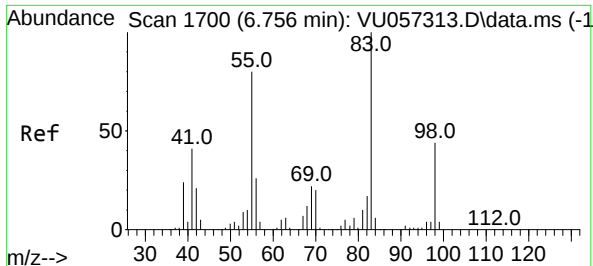


#34  
Trichloroethene  
Concen: 1.102 ug/L  
RT: 6.541 min Scan# 1633  
Delta R.T. 0.003 min  
Lab File: VU057315.D  
Acq: 28 Dec 2023 06:46

Tgt Ion: 95 Resp: 21700

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 67.6  | 45.3  | 84.1  |
| 132 | 85.6  | 63.1  | 117.3 |
| 130 | 86.4  | 67.7  | 125.7 |





#35

Methylcyclohexane

Concen: 1.175 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU057315.D

Acq: 28 Dec 2023 06:46

Instrument :

MSVOA\_U

ClientSampleId :

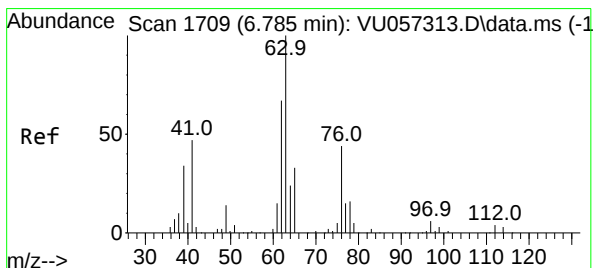
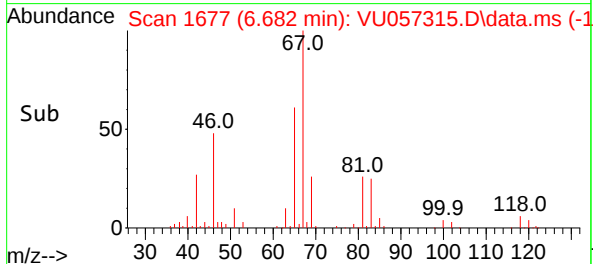
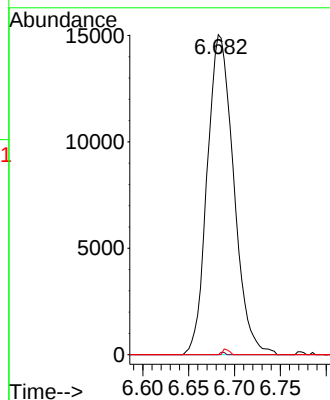
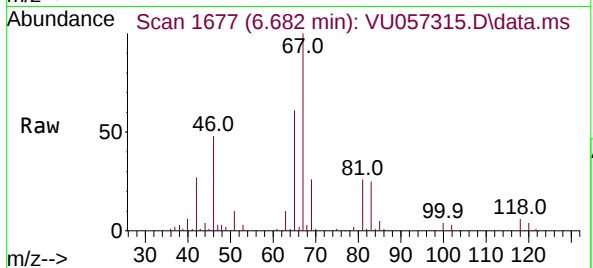
Tgt Ion: 83 Resp: 30227

Ion Ratio Lower Upper

83 100

55 0.1 65.4 98.2#

98 0.4 35.3 52.9#



#37

1,2-Dichloropropane

Concen: 0.631 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.100 min

Lab File: VU057315.D

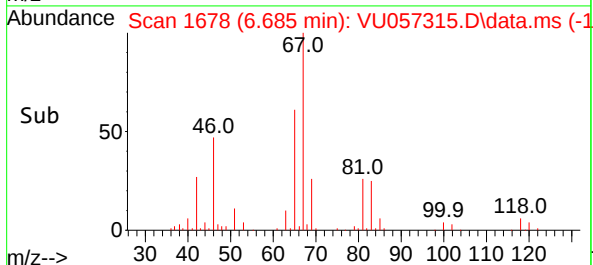
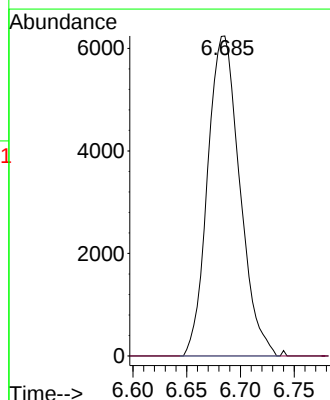
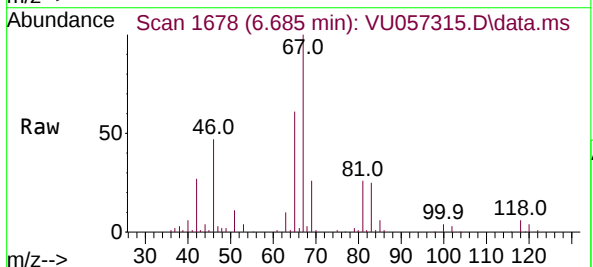
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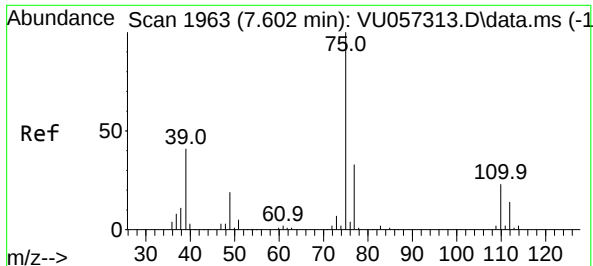
Tgt Ion: 63 Resp: 12965

Ion Ratio Lower Upper

63 100

112 0.0 2.9 4.3#





#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 7.560 min Scan# 1963

Delta R.T. -0.042 min

Lab File: VU057315.D

Acq: 28 Dec 2023 06:46

Instrument :

MSVOA\_U

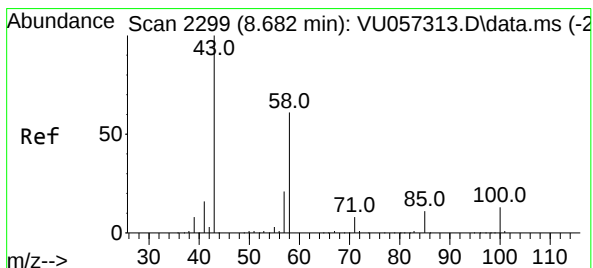
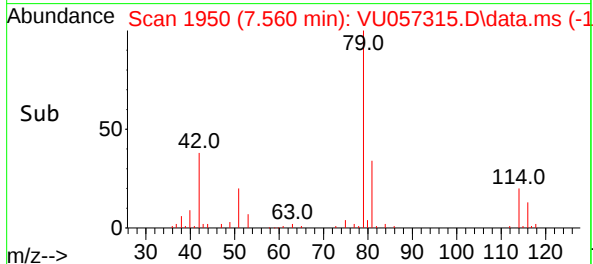
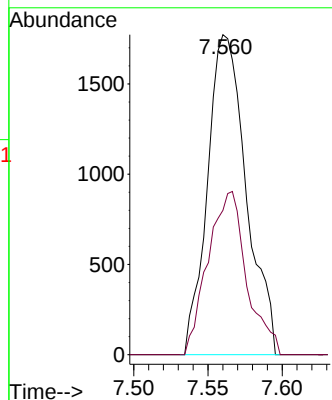
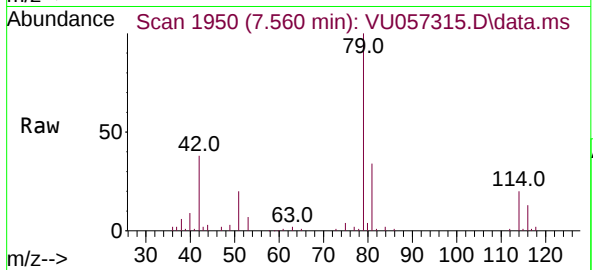
ClientSampleId :

Tgt Ion: 75 Resp: 3216

Ion Ratio Lower Upper

75 100

77 45.1 23.0 42.8#



#48

2-Hexanone

Concen: 3.484 ug/L

RT: 8.634 min Scan# 2284

Delta R.T. -0.048 min

Lab File: VU057315.D

Acq: 28 Dec 2023 06:46

Tgt Ion: 43 Resp: 26902

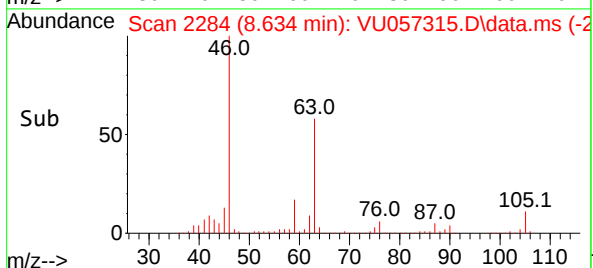
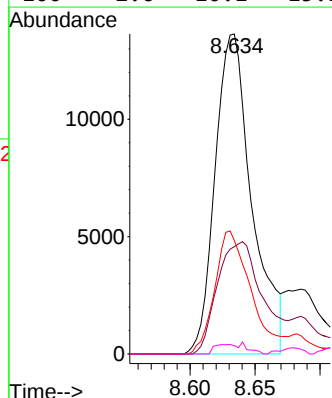
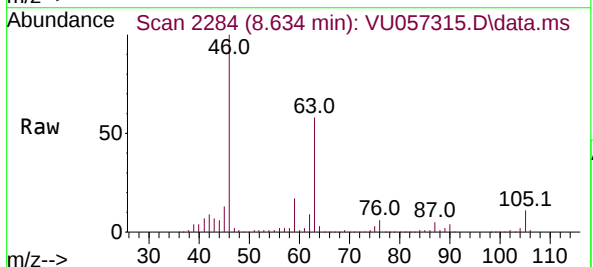
Ion Ratio Lower Upper

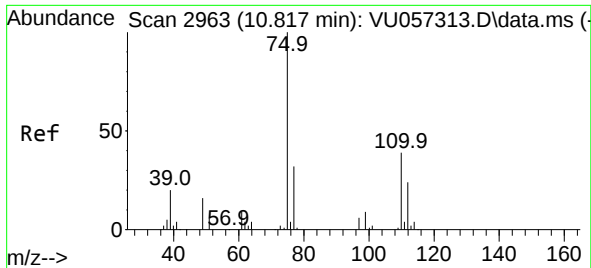
43 100

58 43.8 48.4 72.6#

57 38.3 17.4 26.2#

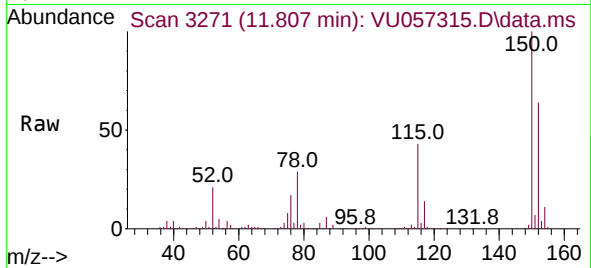
100 2.6 10.1 15.1#





#61  
1,2,3-Trichloropropane  
Concen: 1.225 ug/L  
RT: 11.807 min Scan# 31  
Delta R.T. 0.990 min  
Lab File: VU057315.D  
Acq: 28 Dec 2023 06:46

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 75 Resp: 13046  
Ion Ratio Lower Upper  
75 100  
110 1.8 29.0 43.6#  
77 32.1 25.4 38.2

