

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121222\  
 Data File : VU052343.D  
 Acq On : 12 Dec 2022 11:20  
 Operator : JC/MD  
 Sample : VU1212WBL01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Dec 12 12:42:35 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

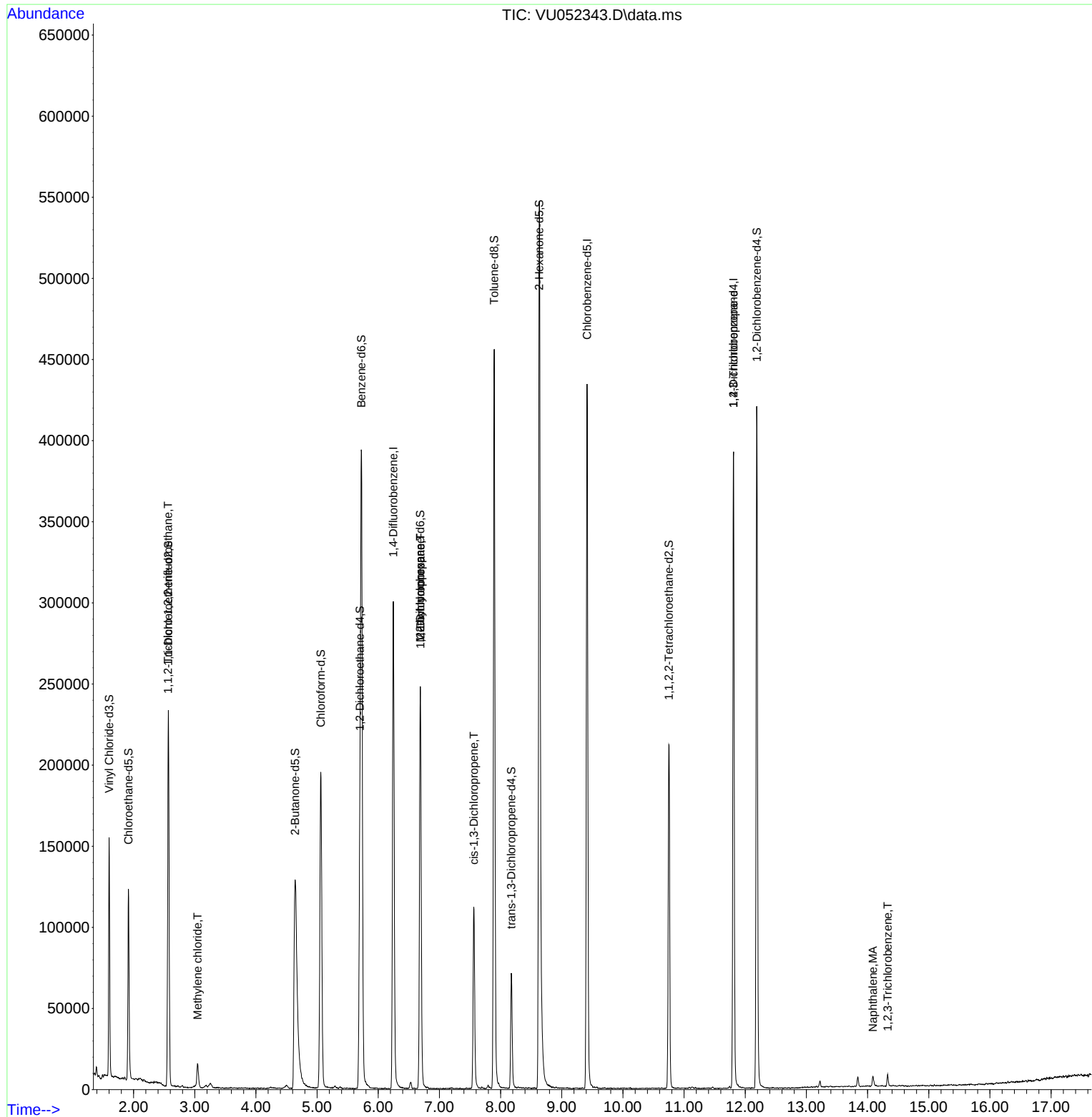
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 256335   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 255849   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 109371   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 108380   | 4.347    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.000%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 91239    | 4.711    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65    | 42917    | 4.802    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 96.000%  |
| 20) 2-Butanone-d5             | 4.642  | 46    | 271499   | 60.072   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 120.140% |
| 24) Chloroform-d              | 5.060  | 84    | 189885   | 5.183    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.600% |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 98007    | 5.296    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 106.000% |
| 32) Benzene-d6                | 5.726  | 84    | 391058   | 5.148    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.000% |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 127325   | 5.417    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 108.400% |
| 41) Toluene-d8                | 7.896  | 98    | 319534   | 4.650    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.000%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 42111    | 4.916    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.400%  |
| 46) 2-Hexanone-d5             | 8.632  | 63    | 195516   | 53.858   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.720% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 111738   | 5.482    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 109.600% |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 117570   | 5.615    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 112.200% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565  | 101   | 1395     | 0.074    | ug/L # | 20       |
| 16) Methylene chloride        | 3.047  | 84    | 7763     | 0.309    | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.687  | 83    | 28750    | 0.962    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.690  | 63    | 11946    | 0.554    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.565  | 75    | 2651     | 0.096    | ug/L # | 69       |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75    | 12332    | 0.985    | ug/L # | 68       |
| 71) Naphthalene               | 14.089 | 128   | 6555     | 0.184    | ug/L # | 90       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180   | 2438     | 0.131    | ug/L   | 93       |
| -----                         |        |       |          |          |        |          |

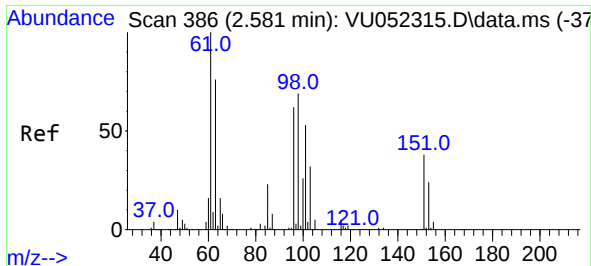
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU121222\  
Data File : VU052343.D  
Acq On : 12 Dec 2022 11:20  
Operator : JC/MD  
Sample : VU1212WBL01  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Dec 12 12:42:35 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

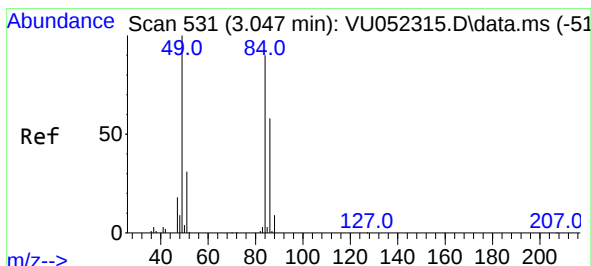
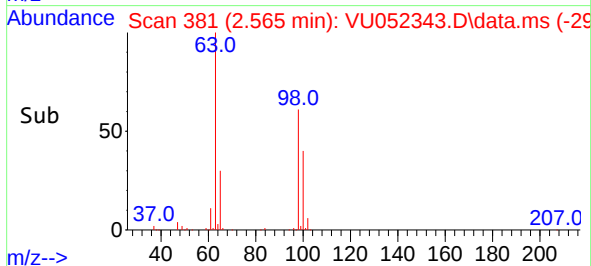
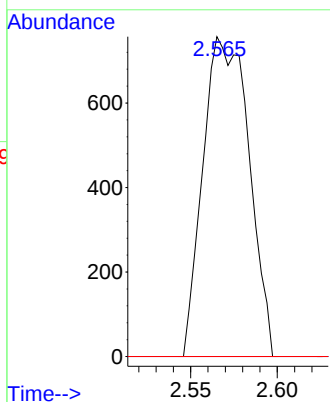
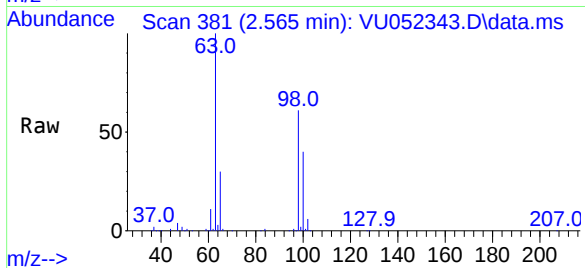




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.074 ug/L  
RT: 2.565 min Scan# 31  
Delta R.T. -0.016 min  
Lab File: VU052343.D  
Acq: 12 Dec 2022 11:20

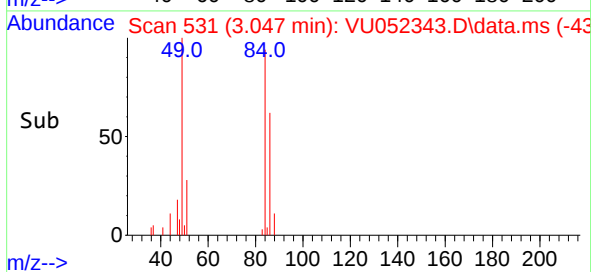
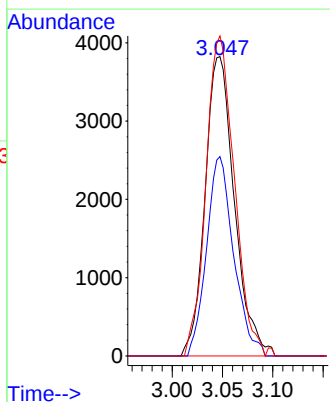
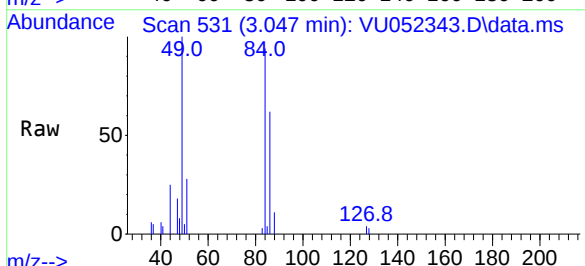
Instrument :  
MSVOA\_U  
ClientSampleId :

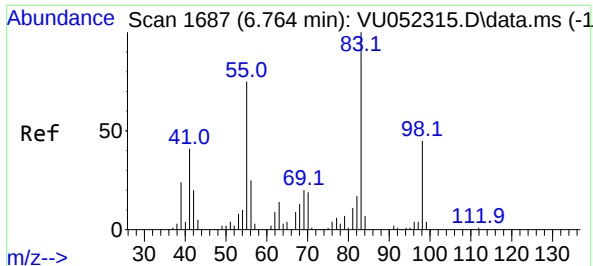
Tgt Ion:101 Resp: 1395  
Ion Ratio Lower Upper  
101 100  
85 0.0 33.8 50.6#  
151 0.0 58.6 88.0#



#16  
Methylene chloride  
Concen: 0.309 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. 0.000 min  
Lab File: VU052343.D  
Acq: 12 Dec 2022 11:20

Tgt Ion: 84 Resp: 7763  
Ion Ratio Lower Upper  
84 100  
86 66.6 43.8 81.4  
49 106.9 75.9 141.1





#35

Methylcyclohexane

Concen: 0.962 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU052343.D

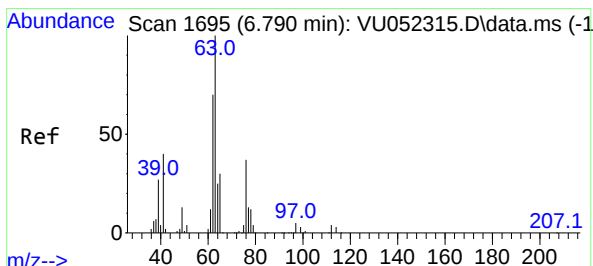
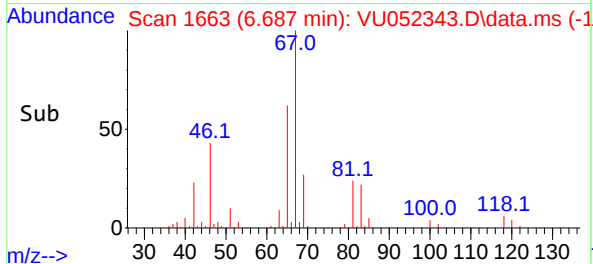
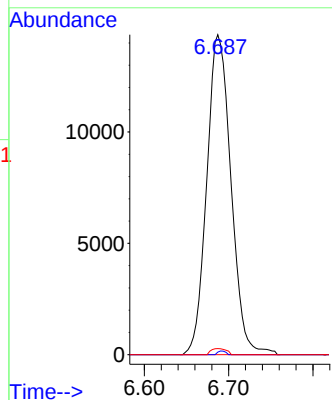
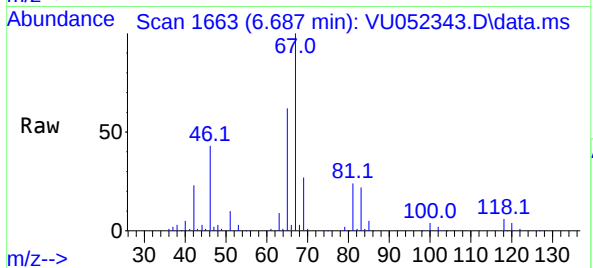
Acq: 12 Dec 2022 11:20

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 28750 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.4   | 60.8  | 91.2# |
| 98       | 1.2   | 35.1  | 52.7# |



#37

1,2-Dichloropropane

Concen: 0.554 ug/L

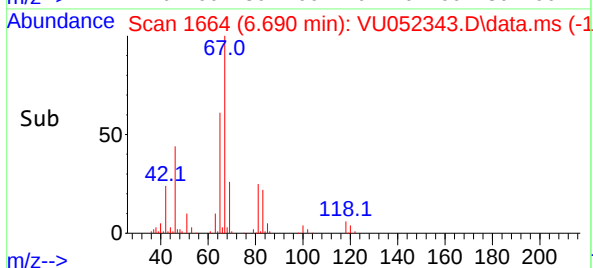
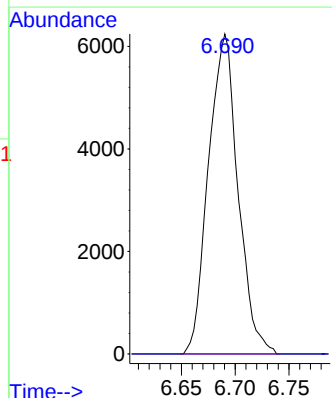
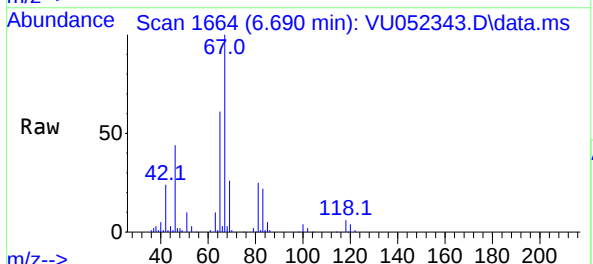
RT: 6.690 min Scan# 1664

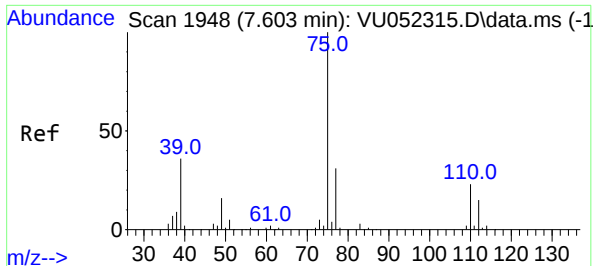
Delta R.T. -0.100 min

Lab File: VU052343.D

Acq: 12 Dec 2022 11:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 11946 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 112      | 0.0   | 3.3   | 4.9#  |





#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.565 min Scan# 11

Delta R.T. -0.039 min

Lab File: VU052343.D

Acq: 12 Dec 2022 11:20

Instrument :

MSVOA\_U

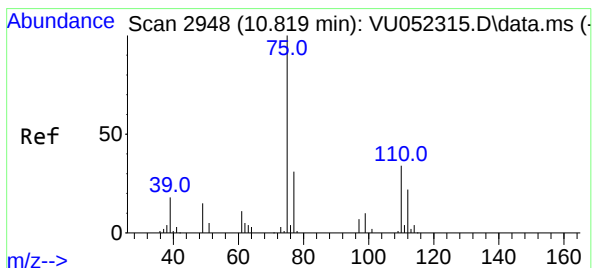
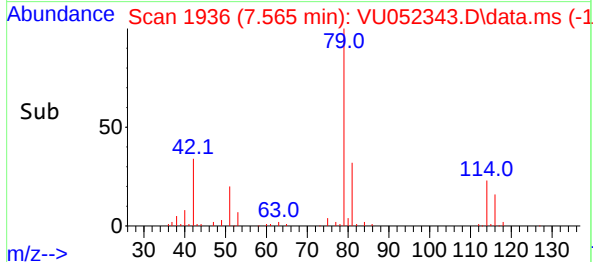
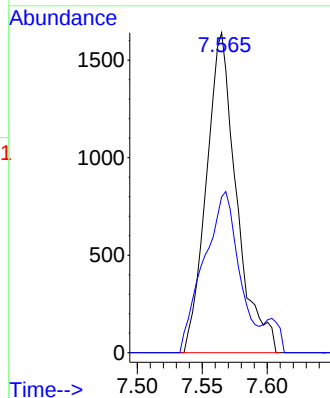
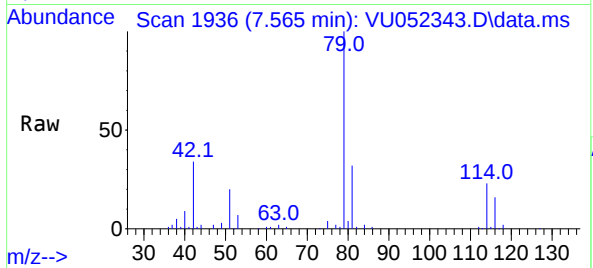
ClientSampleId :

Tgt Ion: 75 Resp: 2651

Ion Ratio Lower Upper

75 100

77 48.7 22.0 40.8#



#61

1,2,3-Trichloropropane

Concen: 0.985 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU052343.D

Acq: 12 Dec 2022 11:20

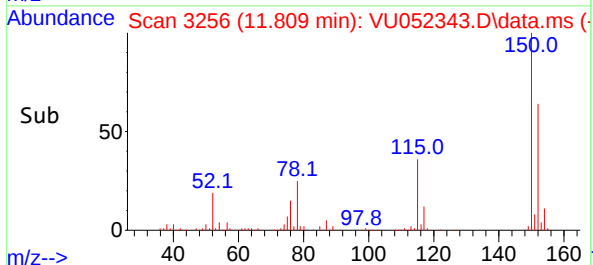
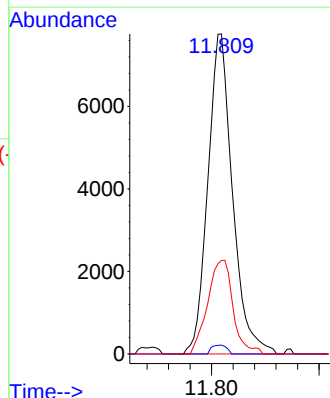
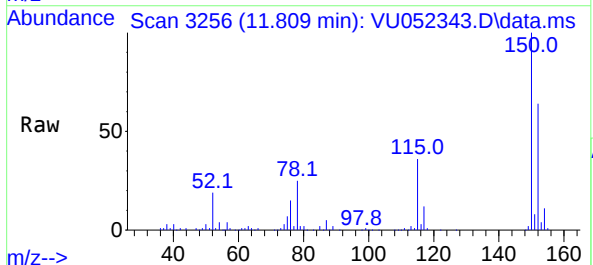
Tgt Ion: 75 Resp: 12332

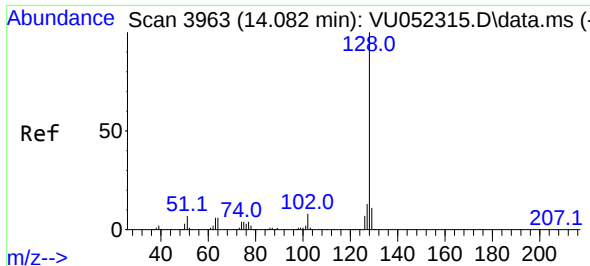
Ion Ratio Lower Upper

75 100

110 1.7 28.3 42.5#

77 30.1 26.2 39.2

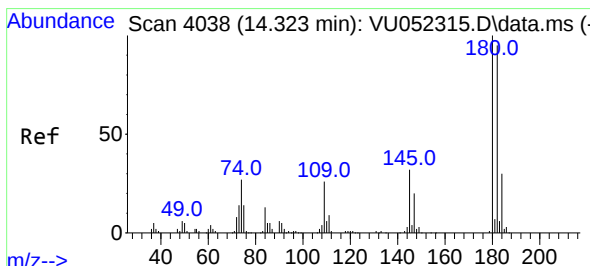
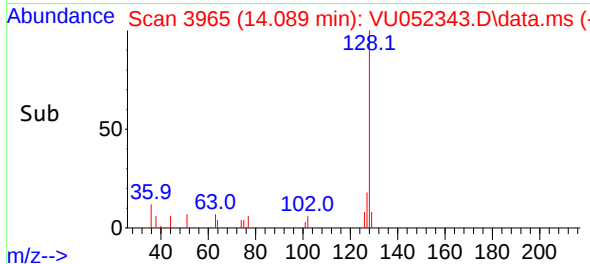
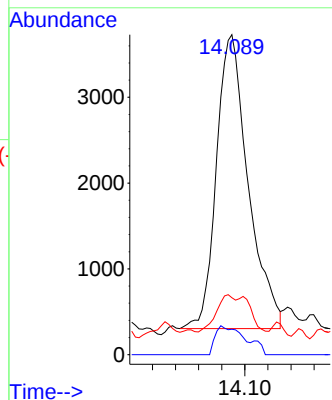
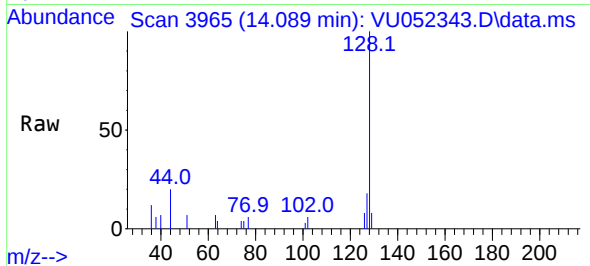




#71  
Naphthalene  
Concen: 0.184 ug/L  
RT: 14.089 min Scan# 3963  
Delta R.T. 0.006 min  
Lab File: VU052343.D  
Acq: 12 Dec 2022 11:20

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 6555  
Ion Ratio Lower Upper  
128 100  
129 8.0 8.3 12.5#  
127 7.5 10.2 15.4#



#72  
1,2,3-Trichlorobenzene  
Concen: 0.131 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.003 min  
Lab File: VU052343.D  
Acq: 12 Dec 2022 11:20

Tgt Ion:180 Resp: 2438  
Ion Ratio Lower Upper  
180 100  
182 103.4 75.7 113.5  
145 30.5 24.5 36.7

