

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU082922\  
 Data File : VU050504.D  
 Acq On : 29 Aug 2022 23:28  
 Operator : SY/MD  
 Sample : N4344-22ME  
 Misc : 5.33g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Aug 30 05:31:35 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM082422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 30 05:29:53 2022  
 Response via : Initial Calibration

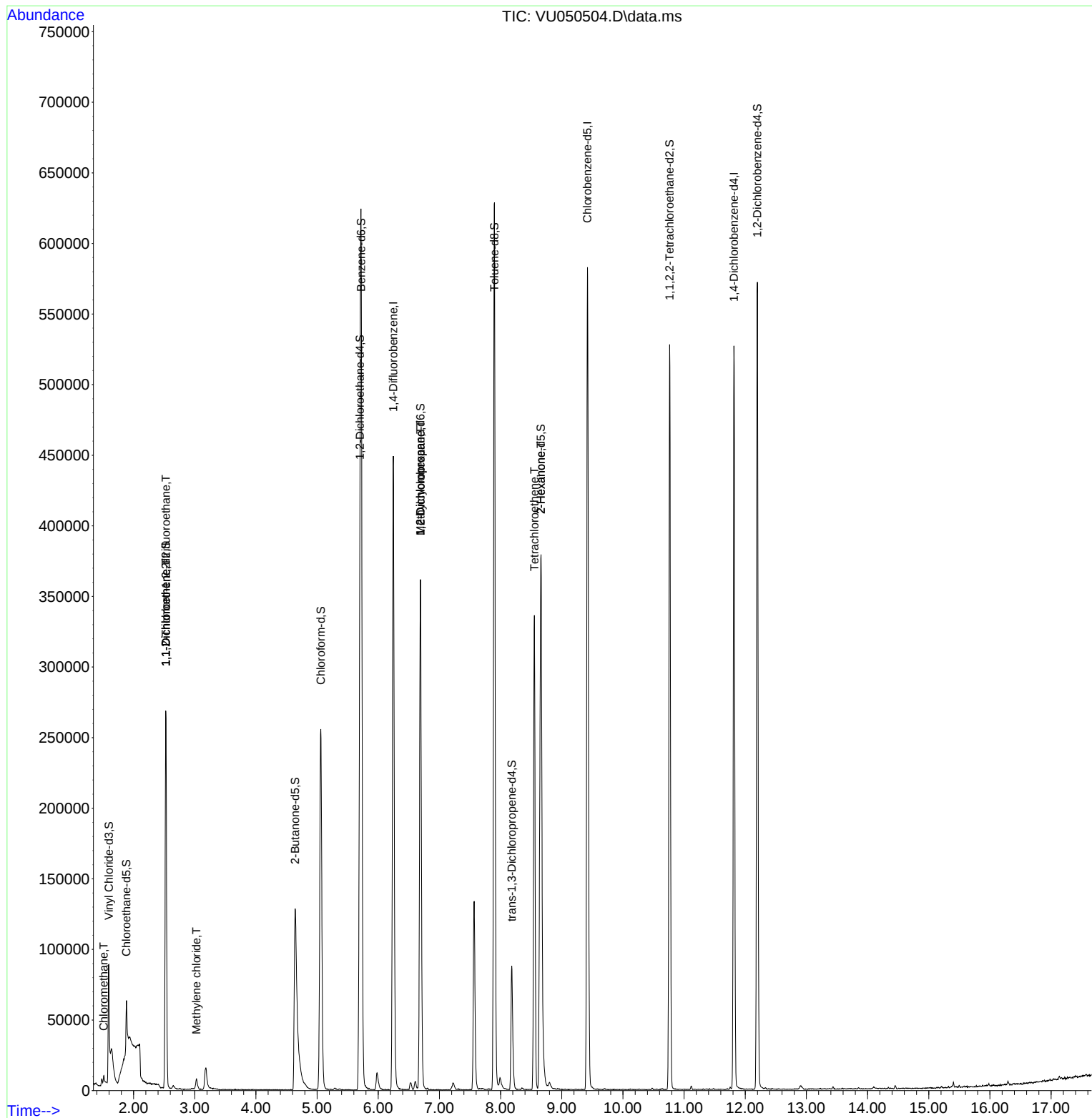
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.246   | 114   | 378321   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 370269   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815  | 152   | 140292   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.594   | 65    | 77975    | 17.431   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 34.860%# |
| 7) Chloroethane-d5            | 1.883   | 69    | 28007    | 8.461    | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 16.920%# |
| 11) 1,1-Dichloroethene-d2     | 2.526   | 63    | 158661   | 25.097   | ug/L   | -0.04    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 50.200%# |
| 21) 2-Butanone-d5             | 4.642   | 46    | 261676   | 89.370   | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 89.370%  |
| 24) Chloroform-d              | 5.060   | 84    | 255979   | 35.647   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 71.300%  |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 177137   | 39.690   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 79.380%  |
| 32) Benzene-d6                | 5.719   | 84    | 554635   | 40.540   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 81.080%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 184790   | 40.771   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 81.540%  |
| 41) Toluene-d8                | 7.899   | 98    | 444982   | 37.170   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 74.340%# |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 56624    | 29.950   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 59.900%# |
| 47) 2-Hexanone-d5             | 8.658   | 63    | 168407   | 100.125  | ug/L   | 0.02     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 100.120% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764  | 84    | 274414   | 39.254   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 78.500%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.198  | 152   | 152602   | 45.536   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.080%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.514   | 50    | 5367     | 1.559    | ug/L   | 94       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.526   | 101   | 1489     | 0.567    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.526   | 96    | 1135     | 0.489    | ug/L # | 1        |
| 16) Methylene chloride        | 3.028   | 84    | 3897     | 1.205    | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.690   | 83    | 41841    | 11.276   | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.690   | 63    | 19507    | 5.990    | ug/L # | 89       |
| 46) Tetrachloroethene         | 8.552   | 164   | 75431    | 38.703   | ug/L   | 97       |
| 48) 2-Hexanone                | 8.658   | 43    | 23285    | 6.443    | ug/L # | 73       |
| -----                         |         |       |          |          |        |          |

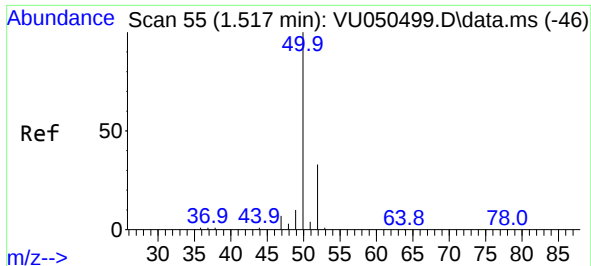
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

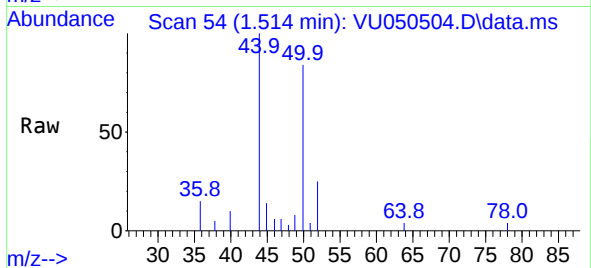
Quant Time: Aug 30 05:31:35 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM082422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Aug 30 05:29:53 2022  
Response via : Initial Calibration



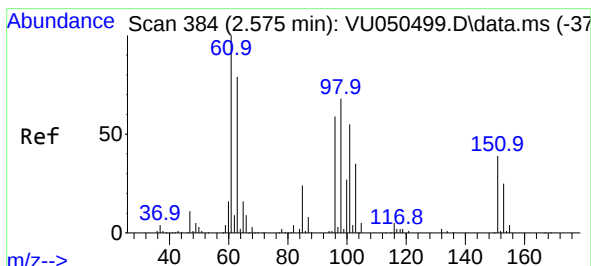
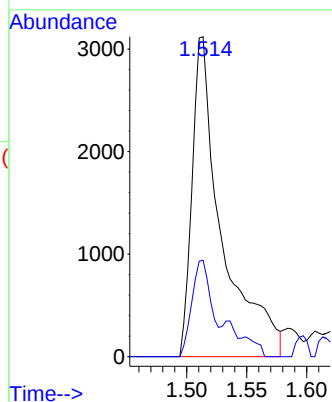
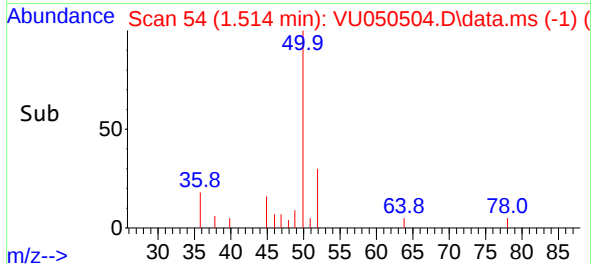


#3  
Chloromethane  
Concen: 1.559 ug/L  
RT: 1.514 min Scan# 54  
Delta R.T. -0.003 min  
Lab File: VU050504.D  
Acq: 29 Aug 2022 23:28

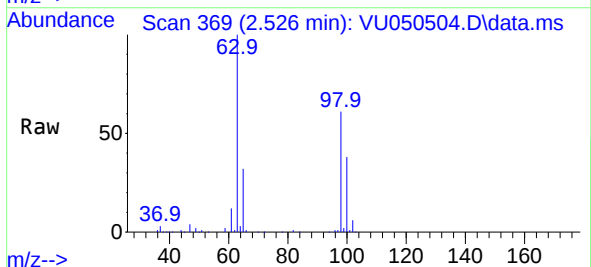
Instrument :  
MSVOA\_U  
ClientSampleId :



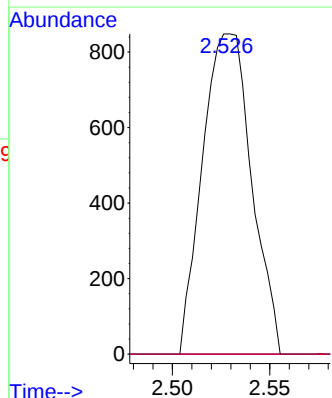
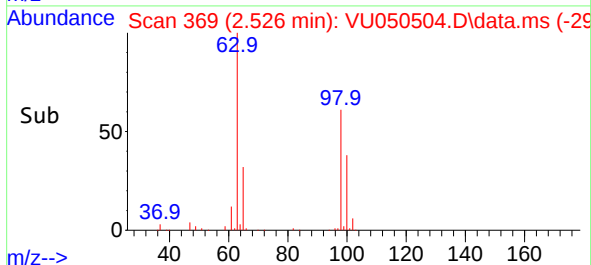
Tgt Ion: 50 Resp: 5367  
Ion Ratio Lower Upper  
50 100  
52 30.1 23.4 43.6

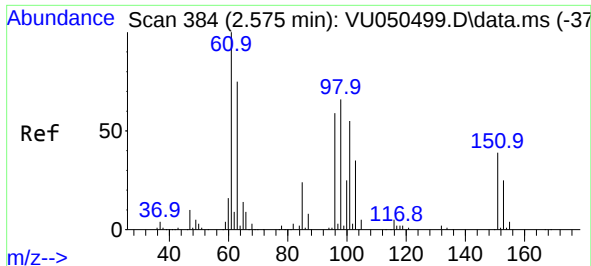


#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.567 ug/L  
RT: 2.526 min Scan# 369  
Delta R.T. -0.048 min  
Lab File: VU050504.D  
Acq: 29 Aug 2022 23:28



Tgt Ion: 101 Resp: 1489  
Ion Ratio Lower Upper  
101 100  
85 0.0 35.3 52.9#  
151 0.0 57.3 85.9#





#12

1,1-Dichloroethene

Concen: 0.489 ug/L

RT: 2.526 min Scan# 3

Delta R.T. -0.048 min

Lab File: VU050504.D

Acq: 29 Aug 2022 23:28

Instrument :

MSVOA\_U

ClientSampleId :

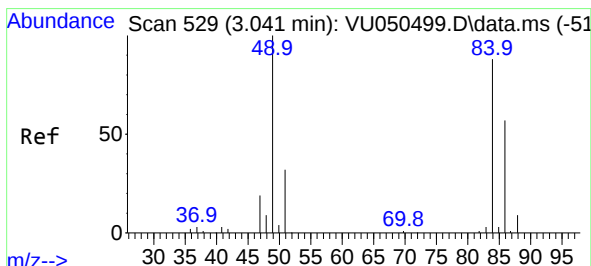
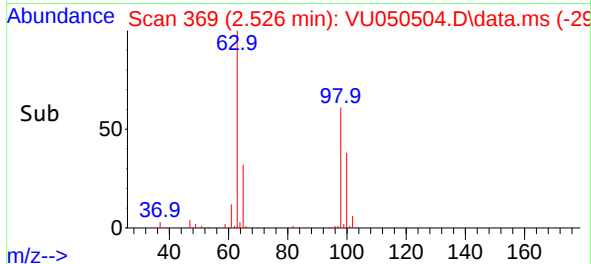
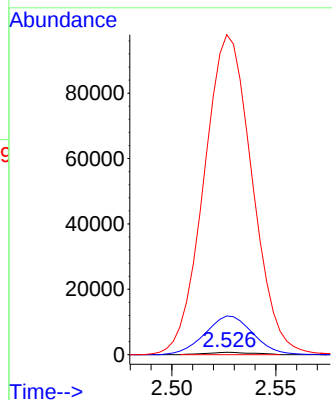
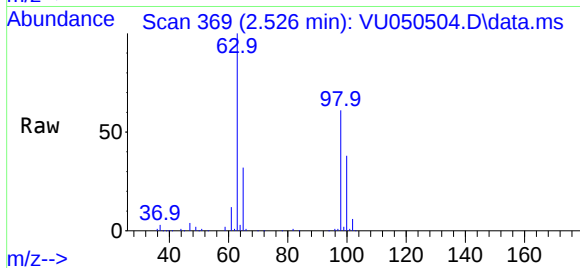
Tgt Ion: 96 Resp: 1135

Ion Ratio Lower Upper

96 100

61 1629.3 116.8 216.8#

63 13484.3 97.4 180.8#



#16

Methylene chloride

Concen: 1.205 ug/L

RT: 3.028 min Scan# 525

Delta R.T. -0.013 min

Lab File: VU050504.D

Acq: 29 Aug 2022 23:28

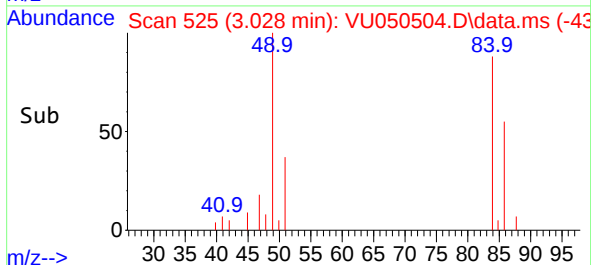
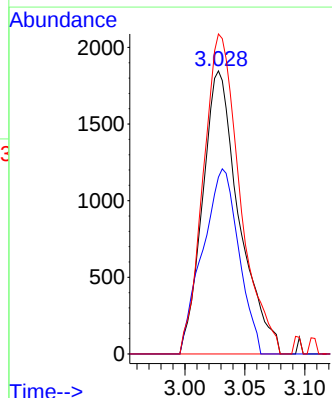
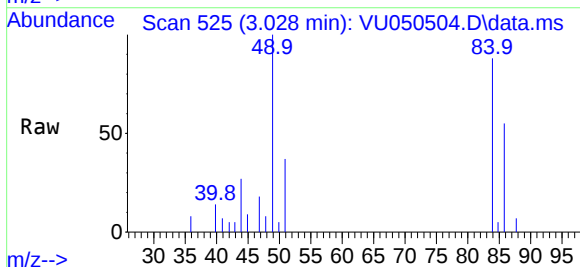
Tgt Ion: 84 Resp: 3897

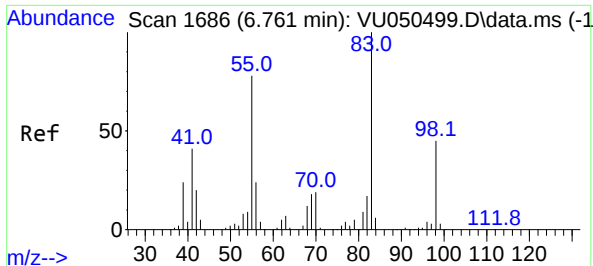
Ion Ratio Lower Upper

84 100

86 62.5 43.9 81.5

49 113.0 80.4 149.4

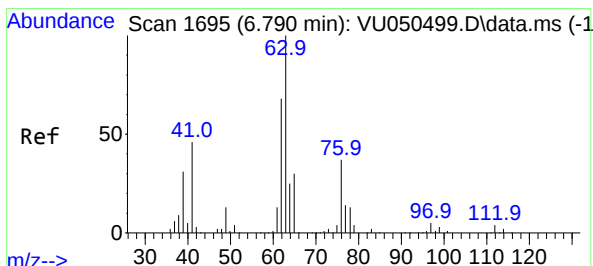
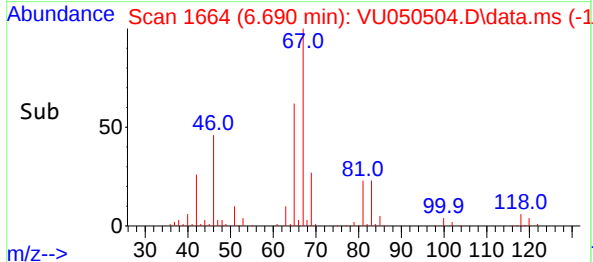
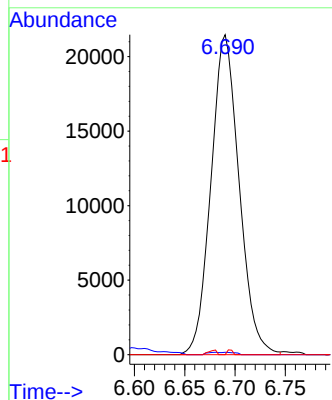
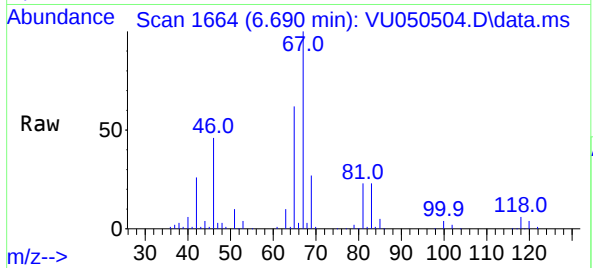




#35  
Methylcyclohexane  
Concen: 11.276 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.071 min  
Lab File: VU050504.D  
Acq: 29 Aug 2022 23:28

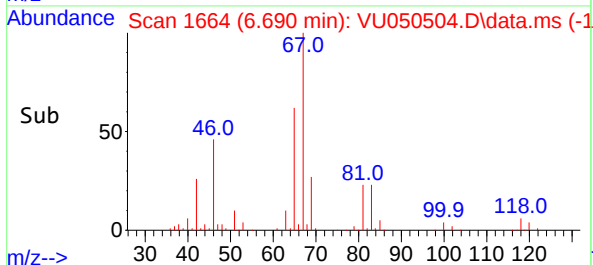
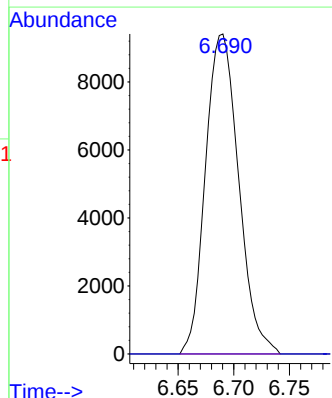
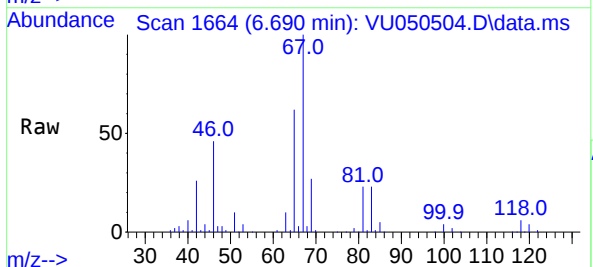
Instrument :  
MSVOA\_U  
ClientSampleId :

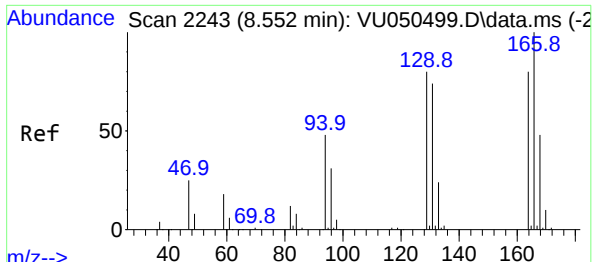
Tgt Ion: 83 Resp: 41841  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.9 92.9#  
98 0.3 35.8 53.8#



#37  
1,2-Dichloropropane  
Concen: 5.990 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.100 min  
Lab File: VU050504.D  
Acq: 29 Aug 2022 23:28

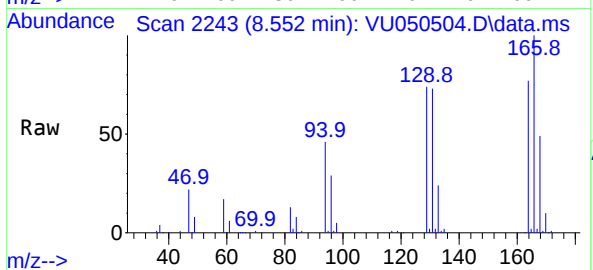
Tgt Ion: 63 Resp: 19507  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.4#





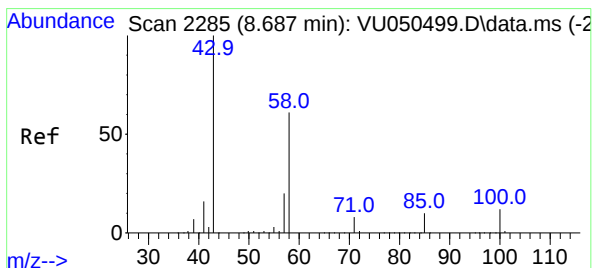
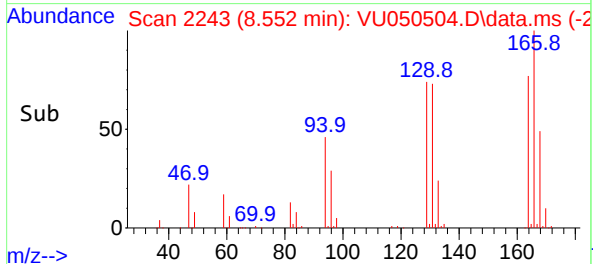
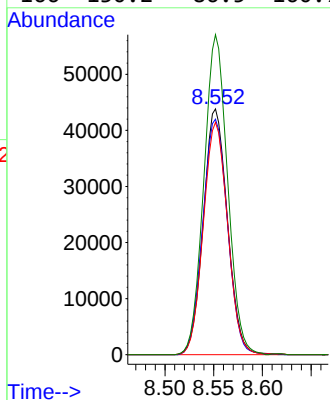
#46  
Tetrachloroethene  
Concen: 38.703 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU050504.D  
Acq: 29 Aug 2022 23:28

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:164 Resp: 75431

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 95.8  | 68.0  | 126.4 |
| 131 | 94.5  | 65.4  | 121.4 |
| 166 | 130.2 | 86.5  | 160.7 |



#48  
2-Hexanone  
Concen: 6.443 ug/L  
RT: 8.658 min Scan# 2276  
Delta R.T. -0.029 min  
Lab File: VU050504.D  
Acq: 29 Aug 2022 23:28

Tgt Ion: 43 Resp: 23285

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 40.3  | 47.9  | 71.9# |
| 57  | 33.5  | 15.4  | 23.0# |
| 100 | 0.4   | 9.0   | 13.6# |

