

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032824\  
 Data File : VU058256.D  
 Acq On : 28 Mar 2024 21:47  
 Operator : MD/SY  
 Sample : P1902-17MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 29 01:15:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 29 01:09:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 73050    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 68851    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 34817    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65    | 21153    | 3.427    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 68.600%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 20707    | 4.109    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 82.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 9229     | 3.601    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 72.000%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 55335    | 50.456   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 100.920% |
| 24) Chloroform-d              | 5.055  | 84    | 48554    | 4.399    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 22812    | 4.421    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.400%  |
| 32) Benzene-d6                | 5.717  | 84    | 91365    | 4.086    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 28744    | 4.361    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 87.200%  |
| 41) Toluene-d8                | 7.891  | 98    | 77926    | 3.933    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 78.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 9175     | 4.345    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.800%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 43011    | 50.291   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.580% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 21231    | 4.945    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 27129    | 4.184    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 83.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 11817    | 3.927    | ug/L   | 98       |
| 3) Chloromethane              | 1.515  | 50    | 14339    | 3.739    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.599  | 62    | 19112    | 4.563    | ug/L   | 98       |
| 6) Bromomethane               | 1.856  | 94    | 6790     | 3.023    | ug/L   | 99       |
| 8) Chloroethane               | 1.930  | 64    | 12864    | 4.658    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.136  | 101   | 30394    | 4.466    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101   | 18980    | 4.345    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.576  | 96    | 17130    | 4.677    | ug/L   | 79       |
| 13) Acetone                   | 2.644  | 43    | 29775    | 41.950   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.788  | 76    | 31138    | 3.805    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.952  | 43    | 6488     | 4.404    | ug/L   | 97       |
| 16) Methylene chloride        | 3.036  | 84    | 20006    | 3.855    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.351  | 73    | 43403    | 4.416    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 19039    | 4.974    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 39277    | 4.567    | ug/L   | 99       |
| 21) 2-Butanone                | 4.708  | 43    | 45391    | 42.094   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 124665   | 26.360   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.965  | 128   | 8394     | 4.756    | ug/L   | 98       |
| 25) Chloroform                | 5.078  | 83    | 41567    | 4.609    | ug/L   | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032824\  
 Data File : VU058256.D  
 Acq On : 28 Mar 2024 21:47  
 Operator : MD/SY  
 Sample : P1902-17MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Mar 29 01:15:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 29 01:09:13 2024  
 Response via : Initial Calibration

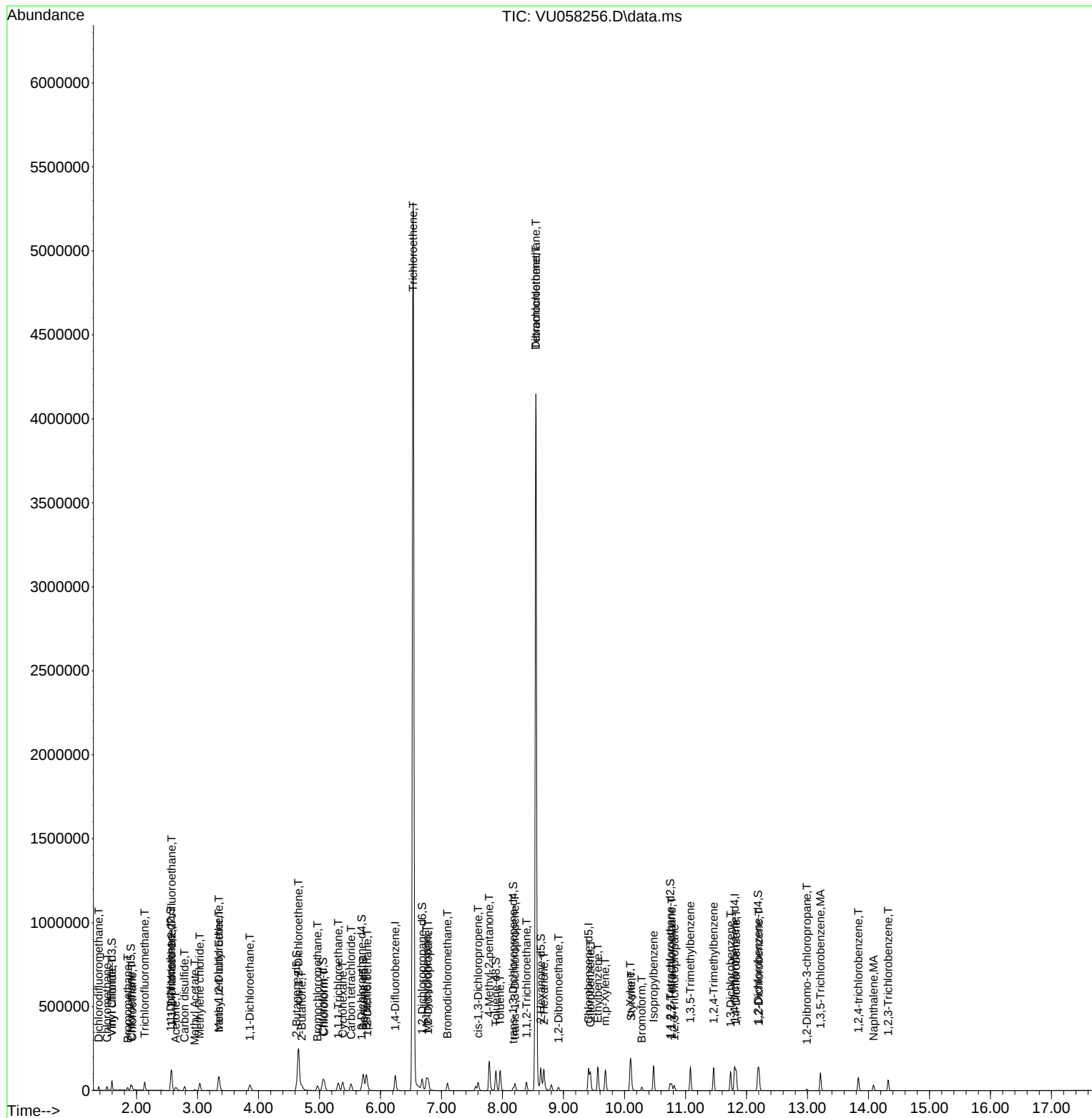
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 23032    | 4.498   | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 32726    | 4.597   | ug/L   | 98       |
| 30) Cyclohexane               | 5.380  | 56   | 24036    | 3.866   | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 27463    | 4.532   | ug/L   | 95       |
| 33) Benzene                   | 5.766  | 78   | 81230    | 4.492   | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 1775861  | 376.944 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 27194    | 4.139   | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 22774    | 4.508   | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 28745    | 4.964   | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 29245    | 4.565   | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 115867   | 45.361  | ug/L   | 98       |
| 42) Toluene                   | 7.962  | 91   | 88692    | 4.642   | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 24210    | 4.802   | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 15139    | 4.758   | ug/L   | 95       |
| 47) Tetrachloroethene         | 8.547  | 164  | 827443   | 262.216 | ug/L   | 98       |
| 48) 2-Hexanone                | 8.679  | 43   | 81163    | 43.632  | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.547  | 129  | 847268   | 243.351 | ug/L # | 10       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 12818    | 4.680   | ug/L   | 93       |
| 51) Chlorobenzene             | 9.441  | 112  | 56148    | 4.561   | ug/L   | 100      |
| 52) Ethylbenzene              | 9.563  | 91   | 95285    | 4.466   | ug/L   | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 34312    | 4.514   | ug/L   | 98       |
| 54) o-Xylene                  | 10.094 | 106  | 35198    | 4.587   | ug/L   | 100      |
| 55) Styrene                   | 10.110 | 104  | 56216    | 4.640   | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 18648    | 4.972   | ug/L   | 100      |
| 59) Bromoform                 | 10.283 | 173  | 8899     | 4.867   | ug/L   | 93       |
| 60) Isopropylbenzene          | 10.476 | 105  | 90715    | 4.337   | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 12973    | 4.449   | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 74356    | 4.236   | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 74695    | 4.284   | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 43801    | 4.496   | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 42529    | 4.517   | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 40709    | 4.519   | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 2264     | 5.149   | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 30725    | 4.511   | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 22379    | 4.405   | ug/L   | 94       |
| 71) Naphthalene               | 14.084 | 128  | 28063    | 4.056   | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 18879    | 4.538   | ug/L   | 99       |

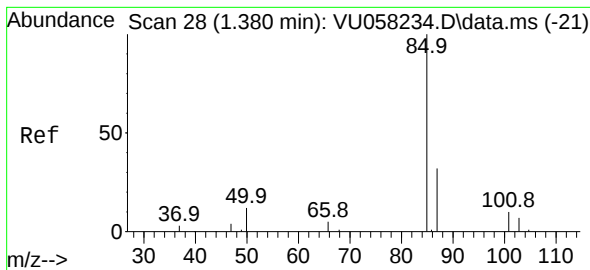
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032824\  
Data File : VU058256.D  
Acq On : 28 Mar 2024 21:47  
Operator : MD/SY  
Sample : P1902-17MS  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Mar 29 01:15:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Mar 29 01:09:13 2024  
Response via : Initial Calibration

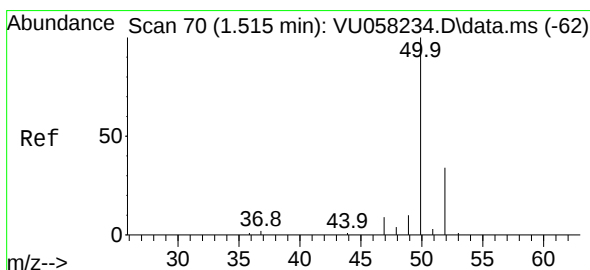
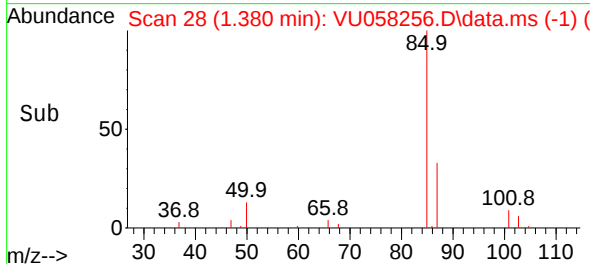
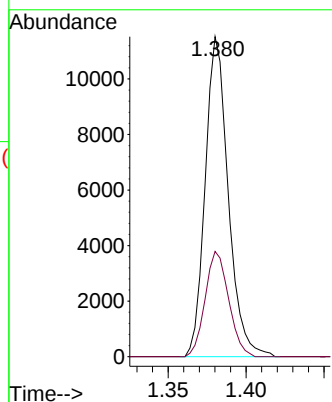
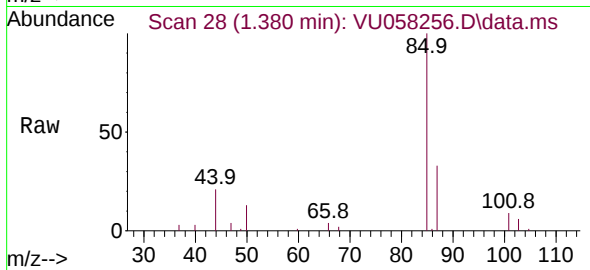




#2  
 Dichlorodifluoromethane  
 Concen: 3.927 ug/L  
 RT: 1.380 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VU058256.D  
 Acq: 28 Mar 2024 21:47

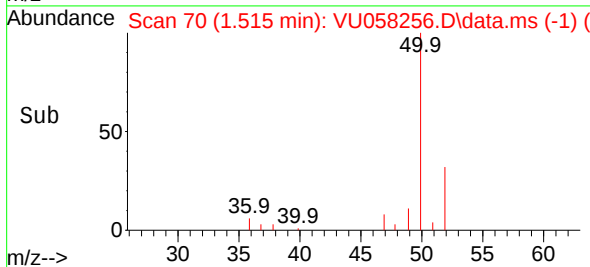
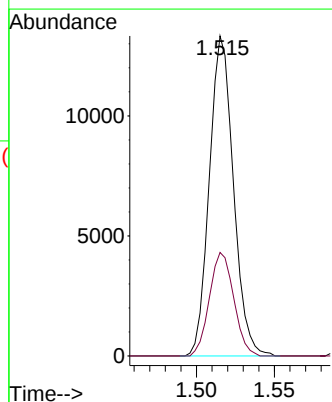
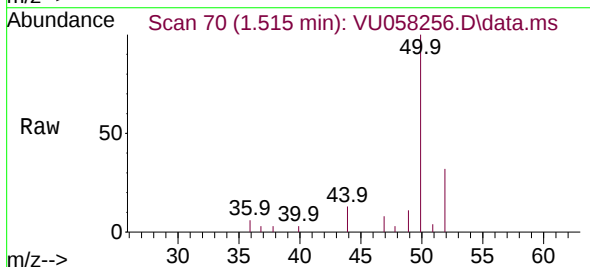
Instrument :  
 MSVOA\_U  
 ClientSampleId :

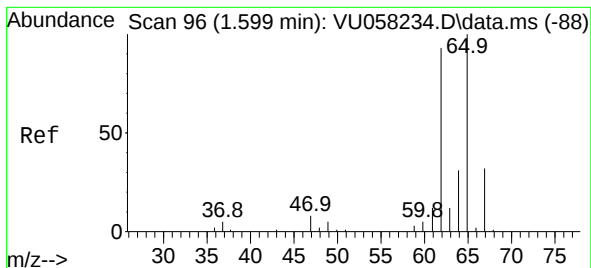
Tgt Ion: 85 Resp: 11817  
 Ion Ratio Lower Upper  
 85 100  
 87 33.5 25.8 38.8



#3  
 Chloromethane  
 Concen: 3.739 ug/L  
 RT: 1.515 min Scan# 70  
 Delta R.T. -0.000 min  
 Lab File: VU058256.D  
 Acq: 28 Mar 2024 21:47

Tgt Ion: 50 Resp: 14339  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 24.2 45.0





#5

Vinyl chloride

Concen: 4.563 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

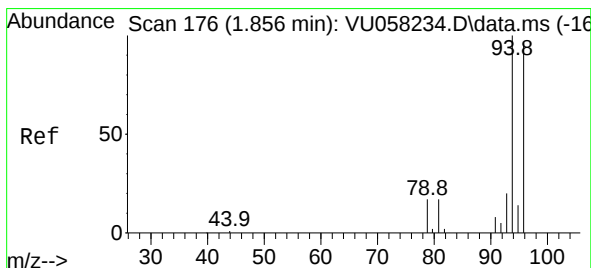
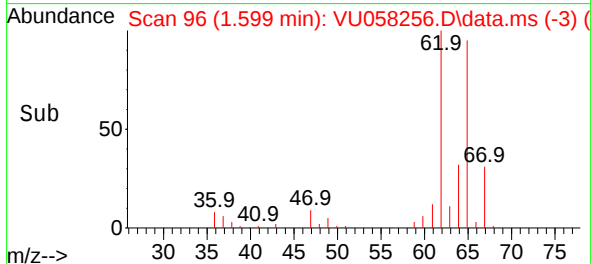
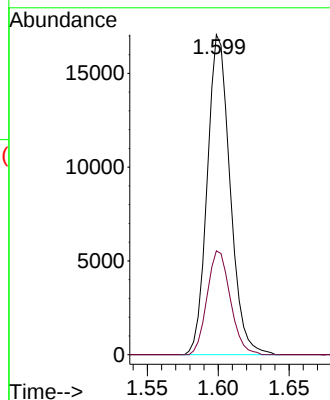
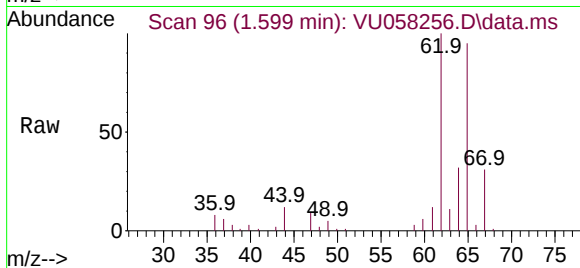
ClientSampleId :

Tgt Ion: 62 Resp: 19112

Ion Ratio Lower Upper

62 100

64 32.4 23.4 43.6



#6

Bromomethane

Concen: 3.023 ug/L

RT: 1.856 min Scan# 176

Delta R.T. -0.000 min

Lab File: VU058256.D

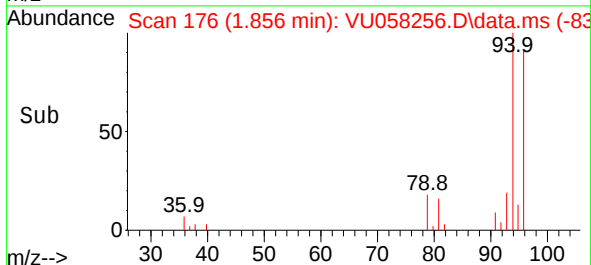
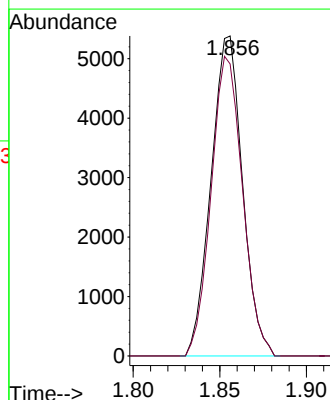
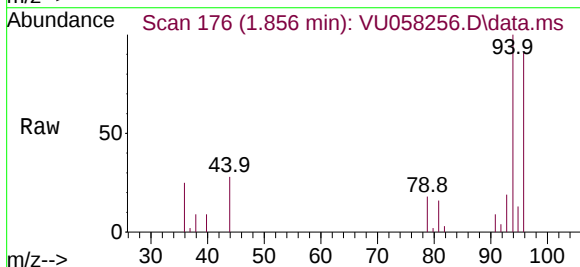
Acq: 28 Mar 2024 21:47

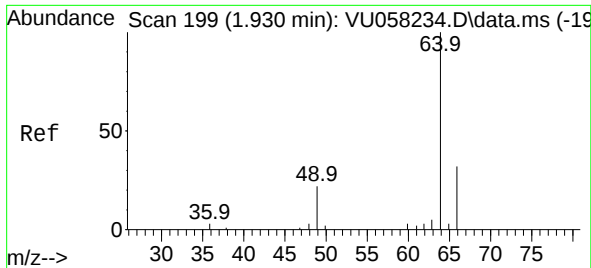
Tgt Ion: 94 Resp: 6790

Ion Ratio Lower Upper

94 100

96 91.2 64.8 120.4

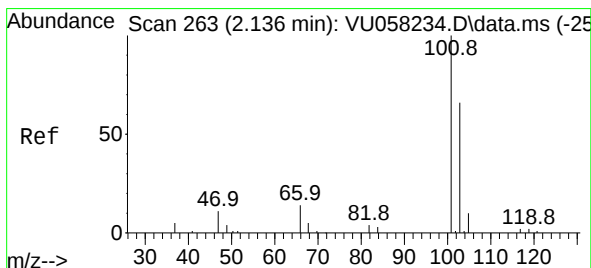
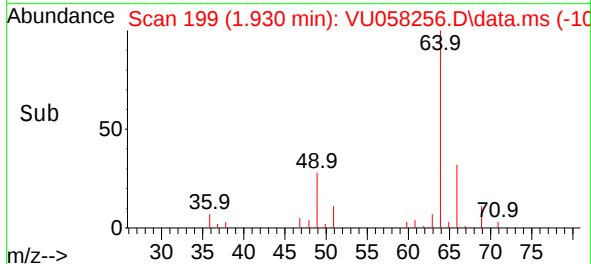
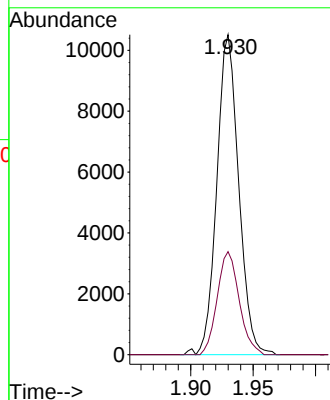
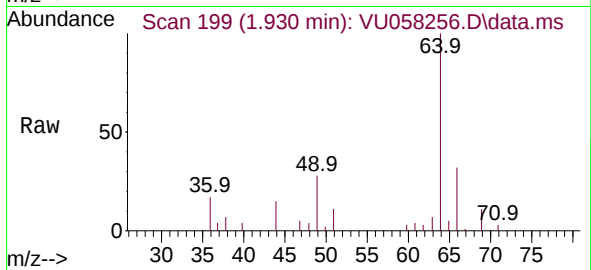




#8  
Chloroethane  
Concen: 4.658 ug/L  
RT: 1.930 min Scan# 199  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

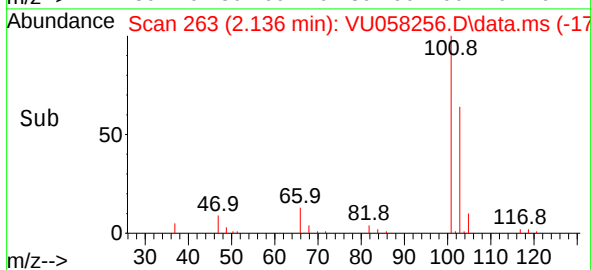
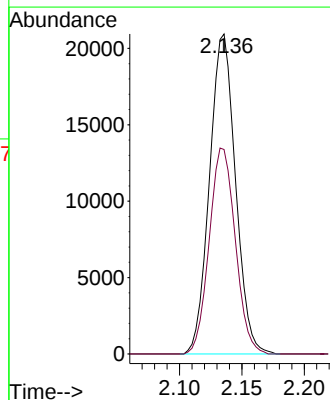
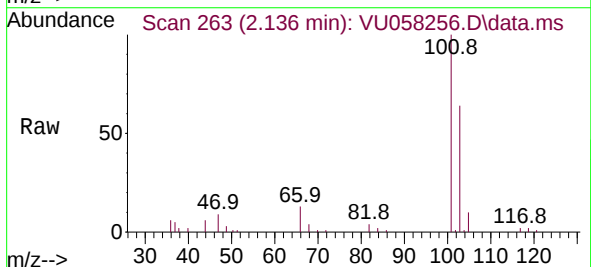
Instrument :  
MSVOA\_U  
ClientSampleId :

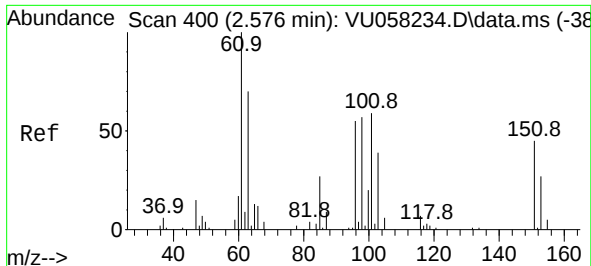
Tgt Ion: 64 Resp: 12864  
Ion Ratio Lower Upper  
64 100  
66 32.2 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 4.466 ug/L  
RT: 2.136 min Scan# 263  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Tgt Ion:101 Resp: 30394  
Ion Ratio Lower Upper  
101 100  
103 64.6 52.3 78.5

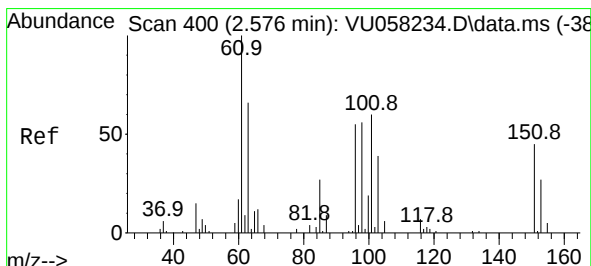
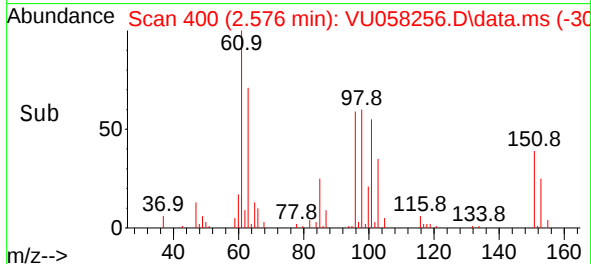
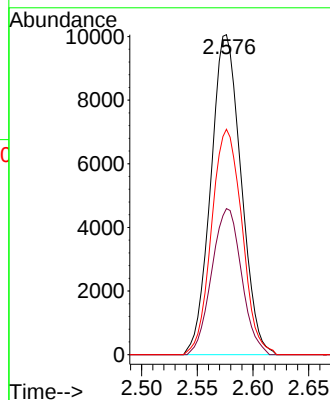
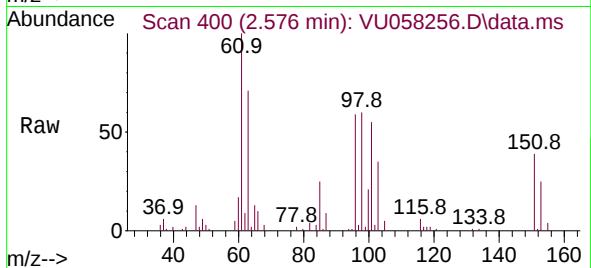




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 4.345 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

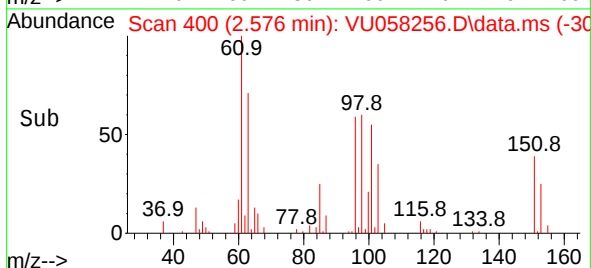
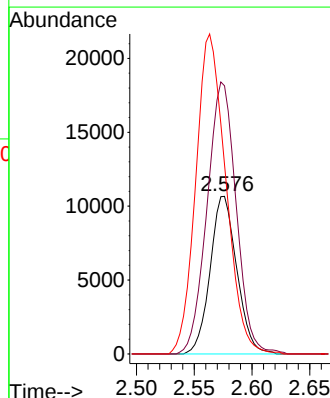
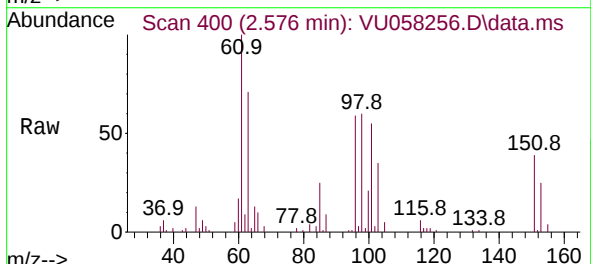
Instrument :  
MSVOA\_U  
ClientSampleId :

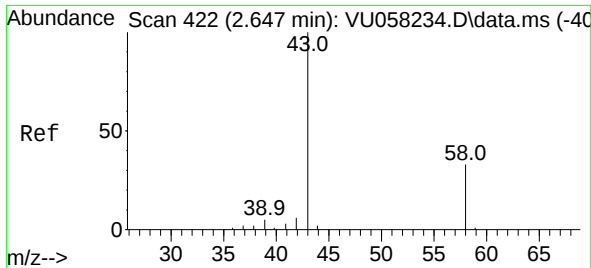
Tgt Ion:101 Resp: 18980  
Ion Ratio Lower Upper  
101 100  
85 45.1 37.9 56.9  
151 71.0 55.3 82.9



#12  
1,1-Dichloroethene  
Concen: 4.677 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Tgt Ion: 96 Resp: 17130  
Ion Ratio Lower Upper  
96 100  
61 170.0 128.1 237.9  
63 120.1 116.8 217.0





#13

Acetone

Concen: 41.950 ug/L

RT: 2.644 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

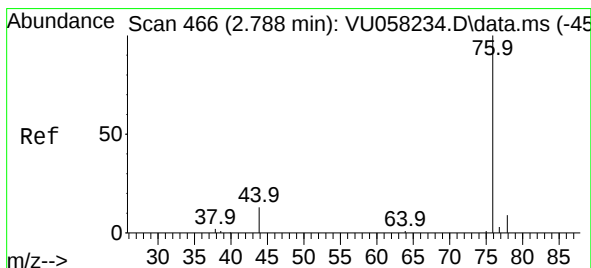
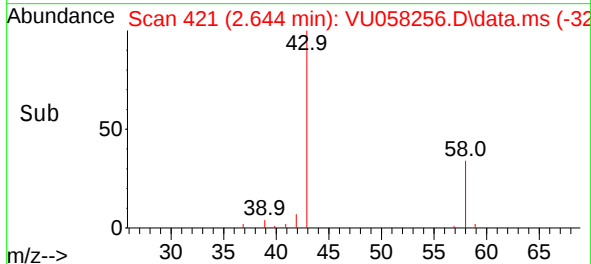
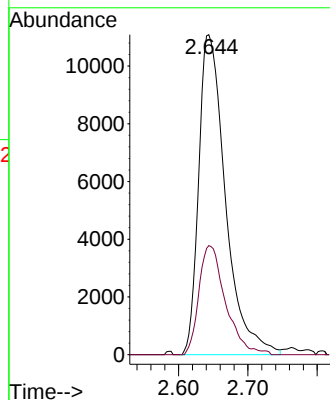
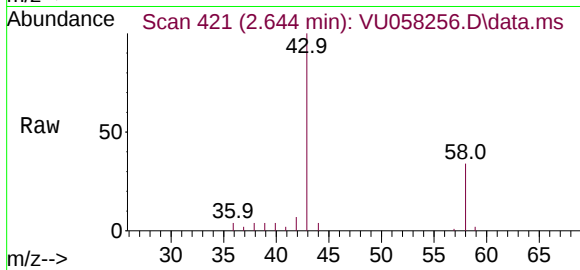
ClientSampleId :

Tgt Ion: 43 Resp: 29775

Ion Ratio Lower Upper

43 100

58 33.9 0.0 64.6



#14

Carbon disulfide

Concen: 3.805 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU058256.D

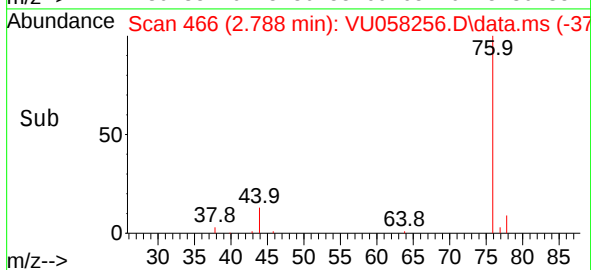
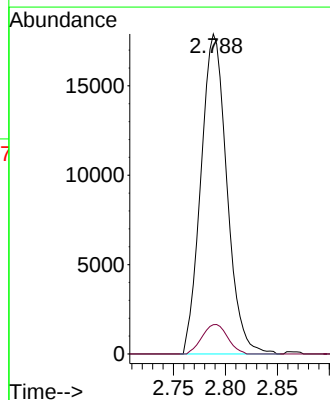
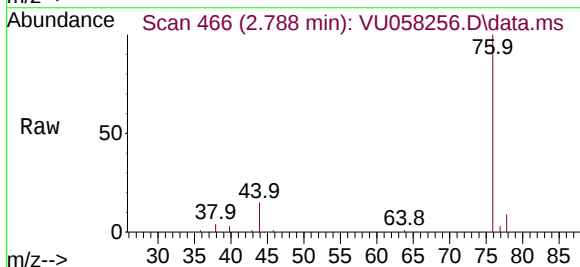
Acq: 28 Mar 2024 21:47

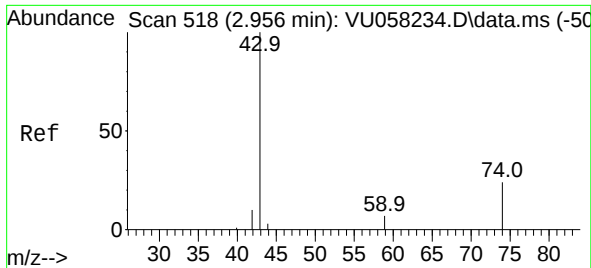
Tgt Ion: 76 Resp: 31138

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

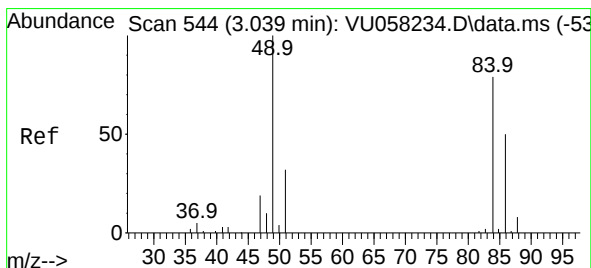
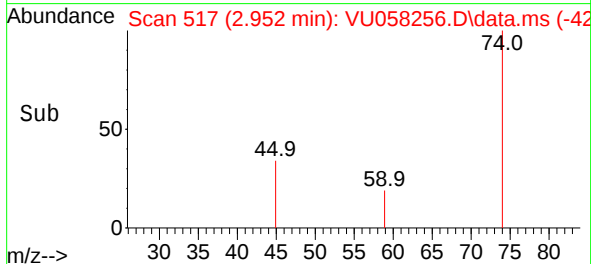
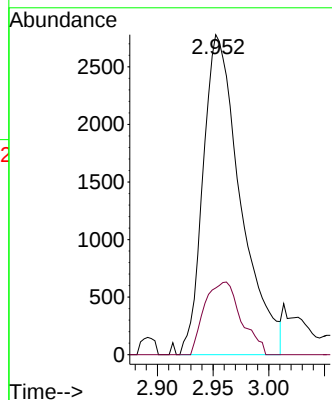
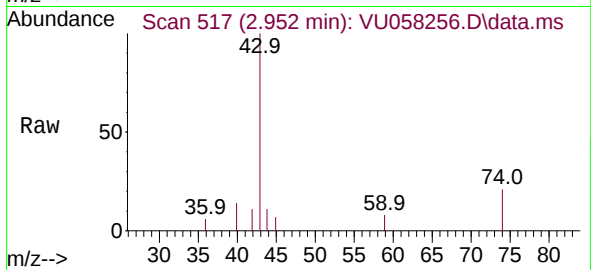




#15  
Methyl Acetate  
Concen: 4.404 ug/L  
RT: 2.952 min Scan# 517  
Delta R.T. -0.003 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

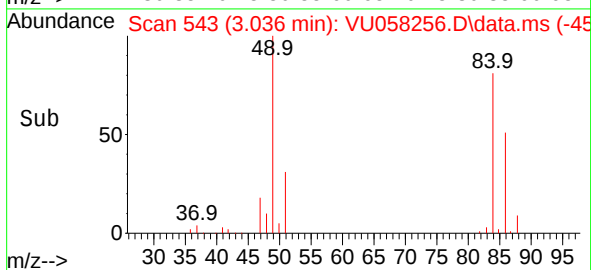
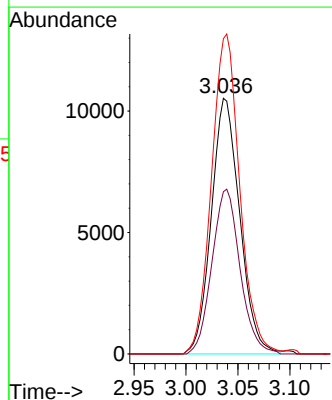
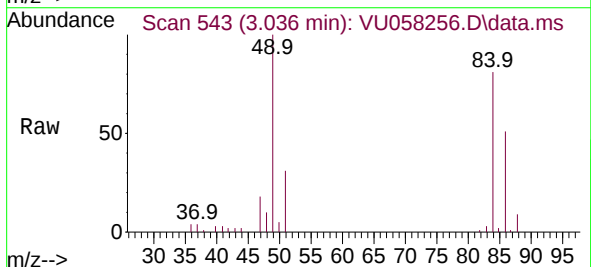
Instrument :  
MSVOA\_U  
ClientSampleId :

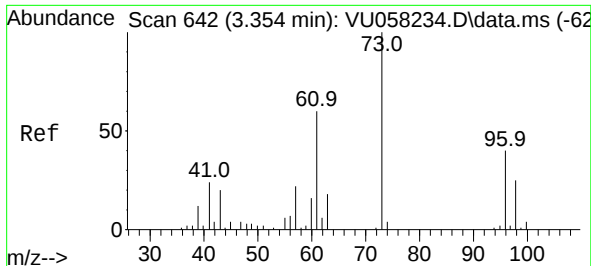
Tgt Ion: 43 Resp: 6488  
Ion Ratio Lower Upper  
43 100  
74 22.2 16.8 25.2



#16  
Methylene chloride  
Concen: 3.855 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. -0.003 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

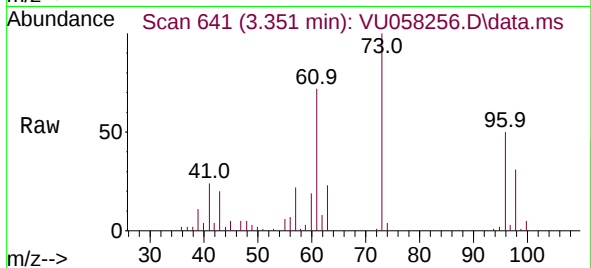
Tgt Ion: 84 Resp: 20006  
Ion Ratio Lower Upper  
84 100  
86 64.5 45.6 84.6  
49 123.3 88.3 163.9



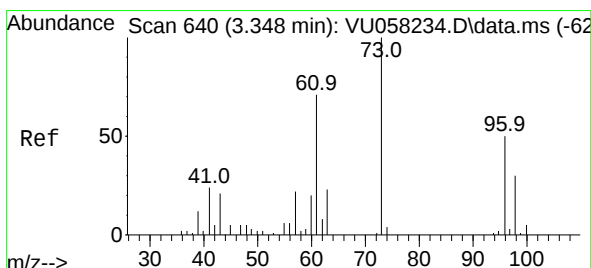
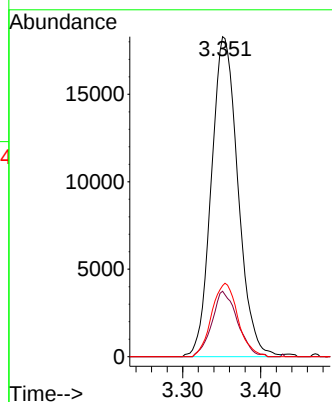
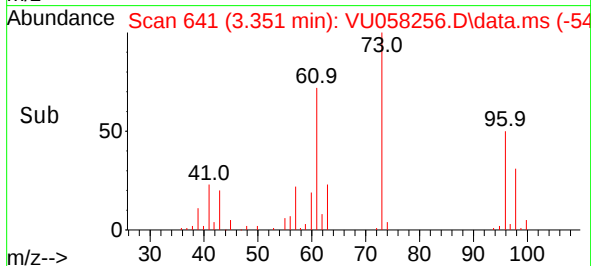


#17  
Methyl tert-butyl Ether  
Concen: 4.416 ug/L  
RT: 3.351 min Scan# 641  
Delta R.T. -0.003 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Instrument :  
MSVOA\_U  
ClientSampleId :

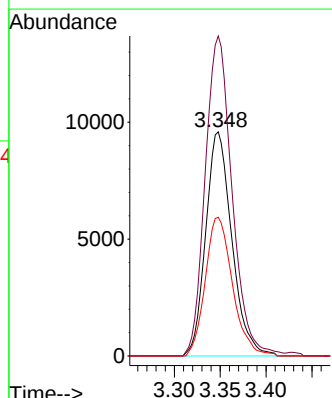
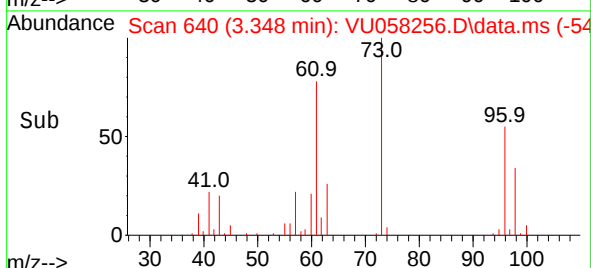
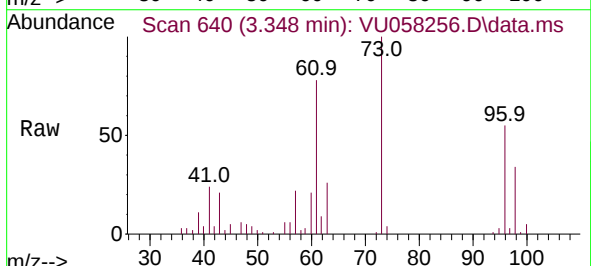


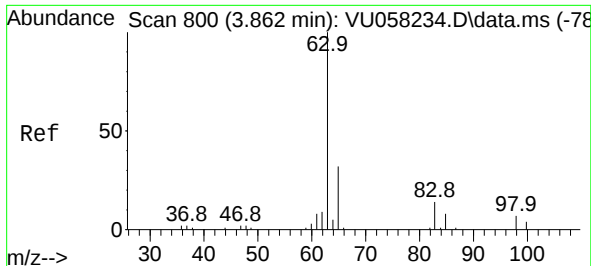
Tgt Ion: 73 Resp: 43403  
Ion Ratio Lower Upper  
73 100  
43 19.6 15.5 23.3  
57 22.6 18.0 27.0



#18  
trans-1,2-Dichloroethene  
Concen: 4.974 ug/L  
RT: 3.348 min Scan# 640  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

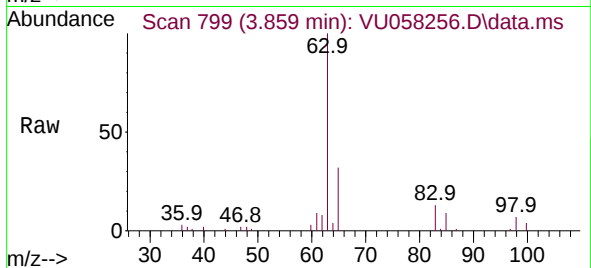
Tgt Ion: 96 Resp: 19039  
Ion Ratio Lower Upper  
96 100  
61 142.8 102.5 190.3  
98 61.9 44.0 81.8



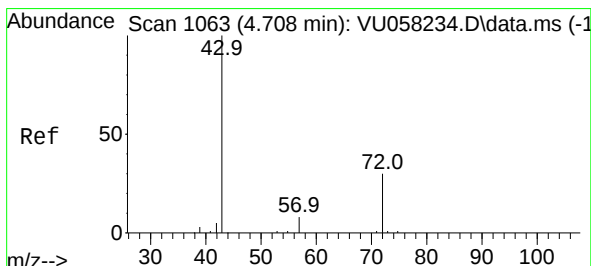
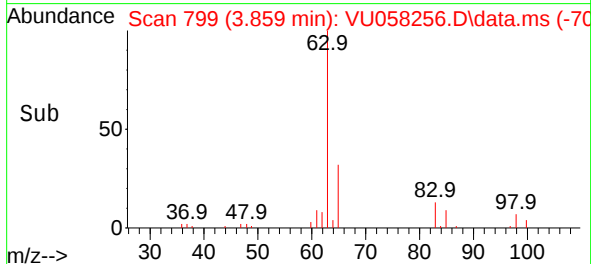
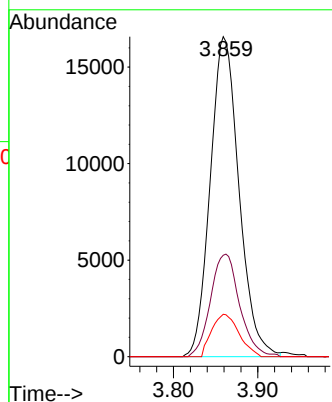


#19  
1,1-Dichloroethane  
Concen: 4.567 ug/L  
RT: 3.859 min Scan# 70  
Delta R.T. -0.003 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Instrument :  
MSVOA\_U  
ClientSampleId :

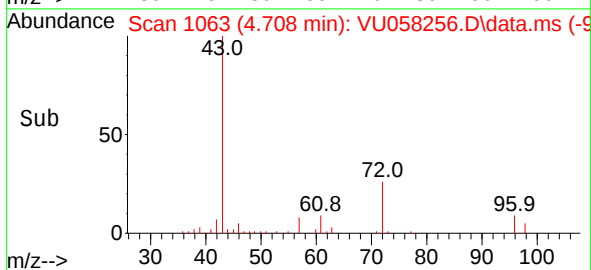
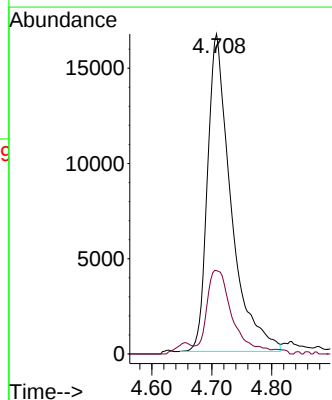
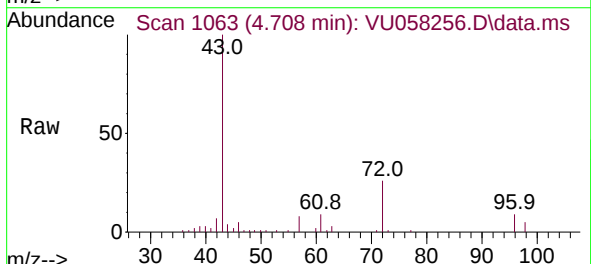


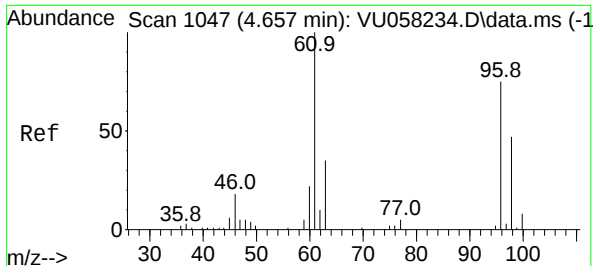
Tgt Ion: 63 Resp: 39277  
Ion Ratio Lower Upper  
63 100  
65 31.7 22.3 41.5  
83 13.2 10.0 18.6



#21  
2-Butanone  
Concen: 42.094 ug/L  
RT: 4.708 min Scan# 1063  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

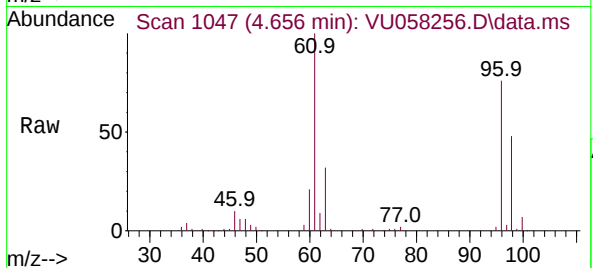
Tgt Ion: 43 Resp: 45391  
Ion Ratio Lower Upper  
43 100  
72 28.7 14.0 41.9





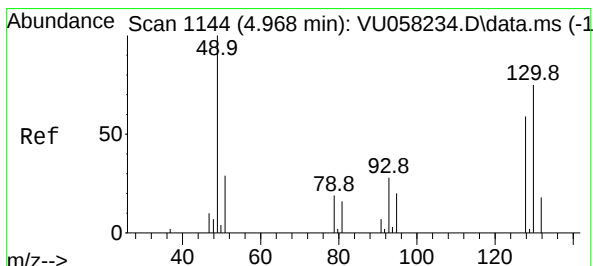
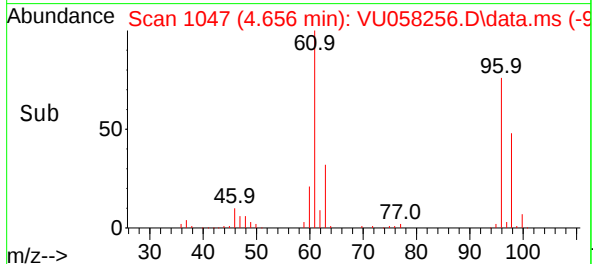
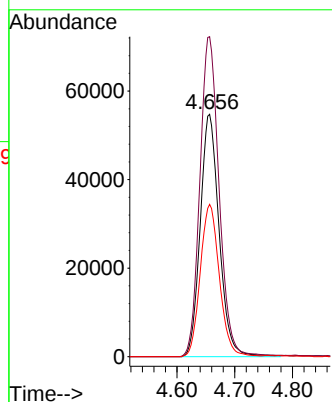
#22  
 cis-1,2-Dichloroethene  
 Concen: 26.360 ug/L  
 RT: 4.656 min Scan# 1143  
 Delta R.T. -0.000 min  
 Lab File: VU058256.D  
 Acq: 28 Mar 2024 21:47

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion: 96 Resp: 124665

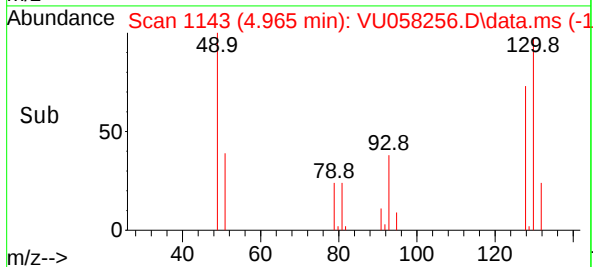
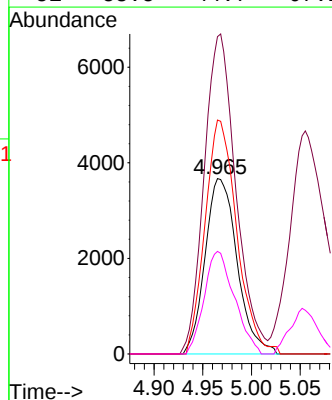
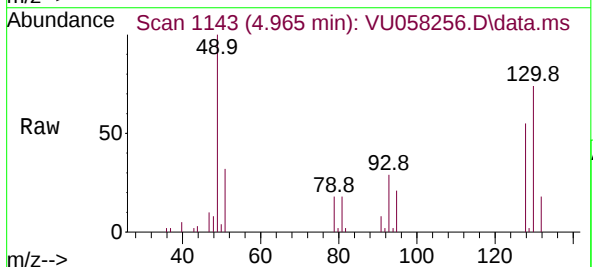
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.0 | 92.8  | 172.4 |
| 98  | 62.9  | 43.2  | 80.2  |

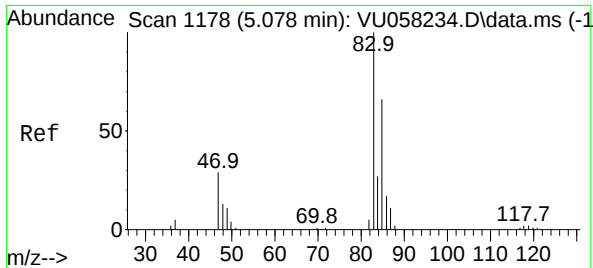


#23  
 Bromochloromethane  
 Concen: 4.756 ug/L  
 RT: 4.965 min Scan# 1143  
 Delta R.T. -0.003 min  
 Lab File: VU058256.D  
 Acq: 28 Mar 2024 21:47

Tgt Ion: 128 Resp: 8394

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 180.9 | 125.0 | 232.2 |
| 130 | 133.3 | 92.3  | 171.5 |
| 51  | 58.5  | 44.7  | 67.1  |

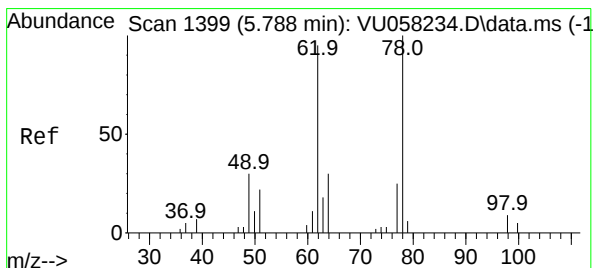
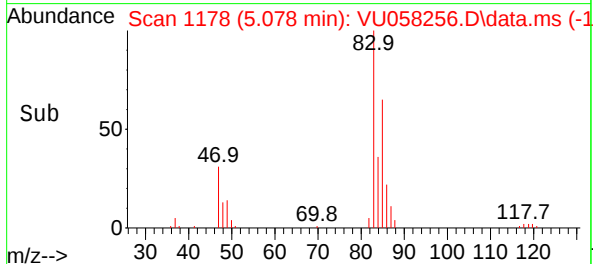
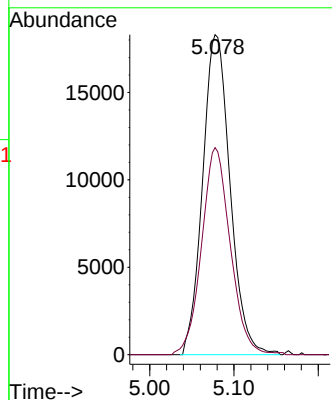
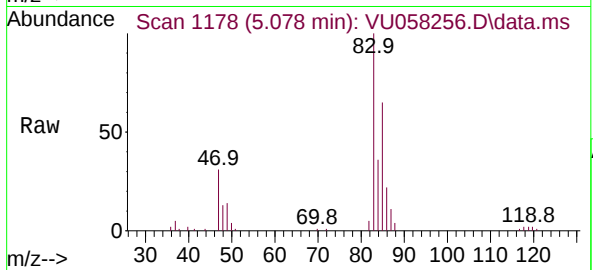




#25  
Chloroform  
Concen: 4.609 ug/L  
RT: 5.078 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

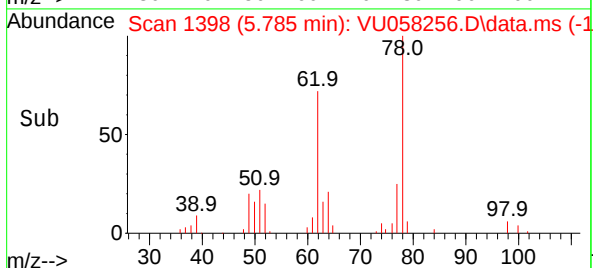
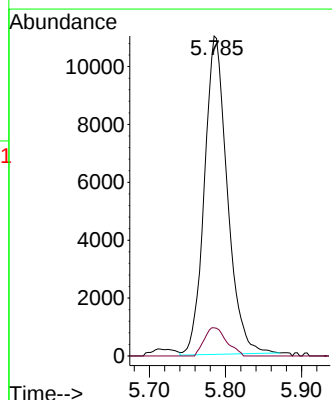
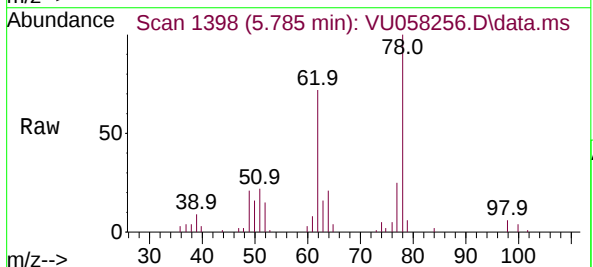
Instrument :  
MSVOA\_U  
ClientSampleId :

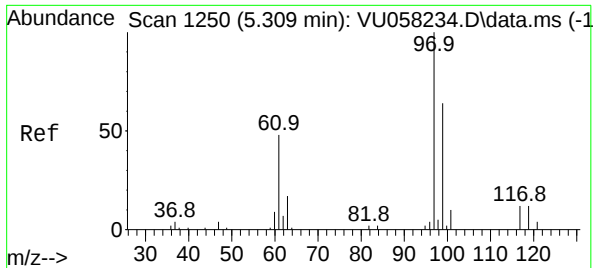
Tgt Ion: 83 Resp: 41567  
Ion Ratio Lower Upper  
83 100  
85 64.7 47.9 88.9



#27  
1,2-Dichloroethane  
Concen: 4.498 ug/L  
RT: 5.785 min Scan# 1398  
Delta R.T. -0.003 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Tgt Ion: 62 Resp: 23032  
Ion Ratio Lower Upper  
62 100  
98 8.8 6.6 10.0

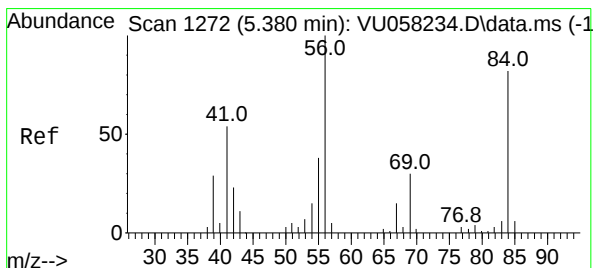
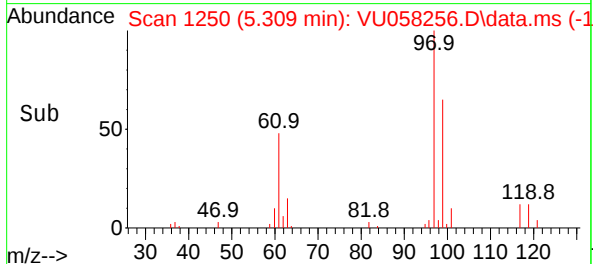
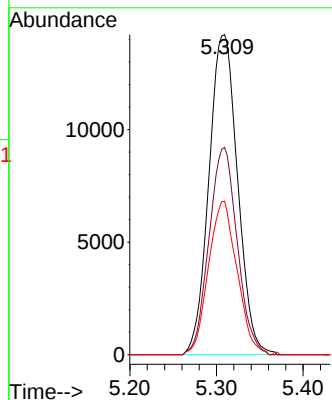
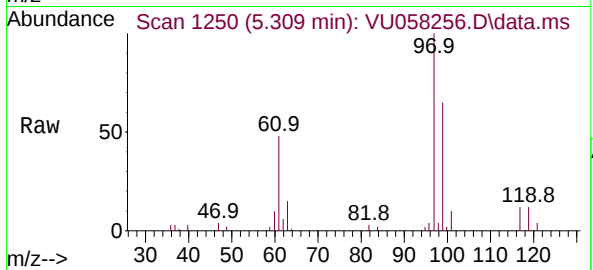




#29  
1,1,1-Trichloroethane  
Concen: 4.597 ug/L  
RT: 5.309 min Scan# 1250  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

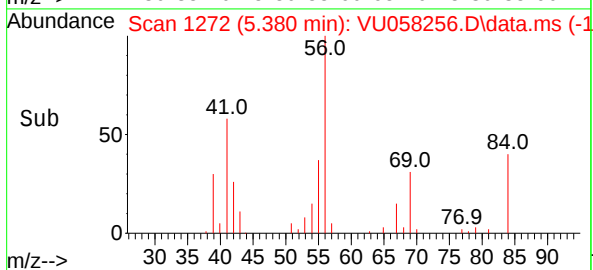
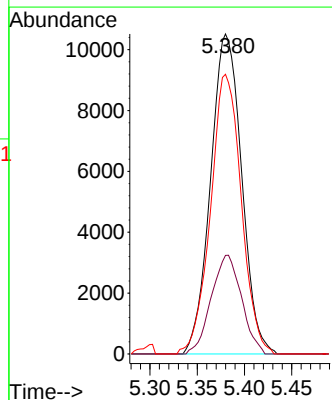
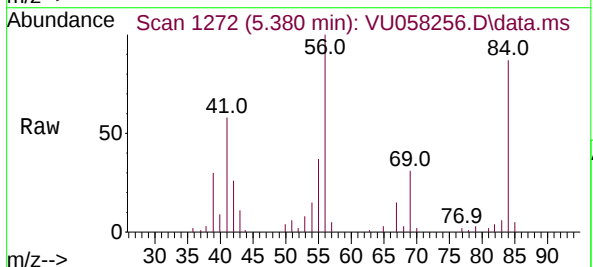
Instrument :  
MSVOA\_U  
ClientSampleId :

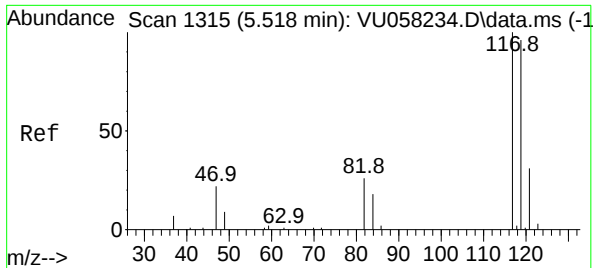
Tgt Ion: 97 Resp: 32726  
Ion Ratio Lower Upper  
97 100  
99 63.6 50.5 75.7  
61 47.6 36.3 54.5



#30  
Cyclohexane  
Concen: 3.866 ug/L  
RT: 5.380 min Scan# 1272  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Tgt Ion: 56 Resp: 24036  
Ion Ratio Lower Upper  
56 100  
69 30.0 24.2 36.2  
84 86.5 69.7 104.5

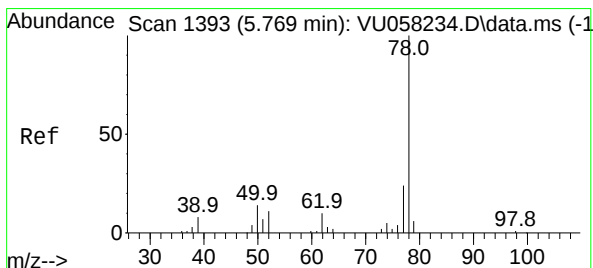
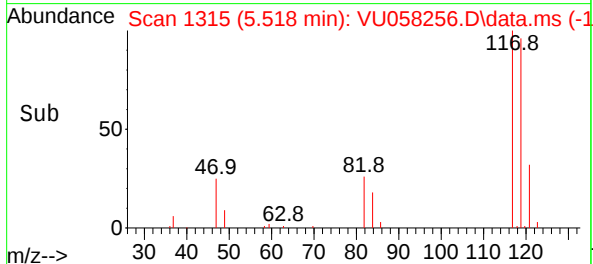
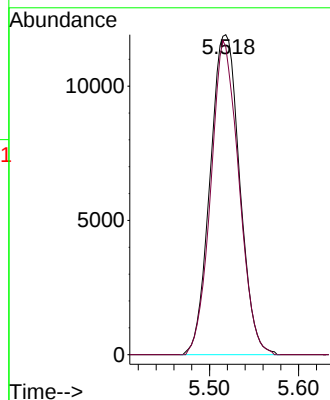
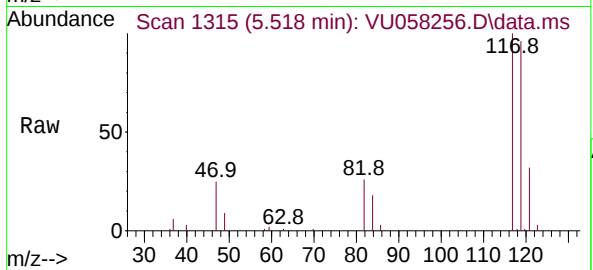




#31  
Carbon tetrachloride  
Concen: 4.532 ug/L  
RT: 5.518 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

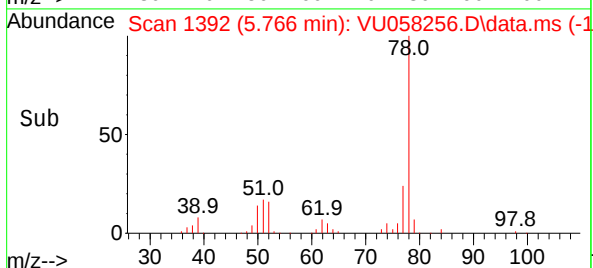
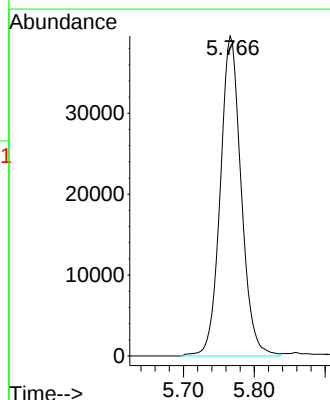
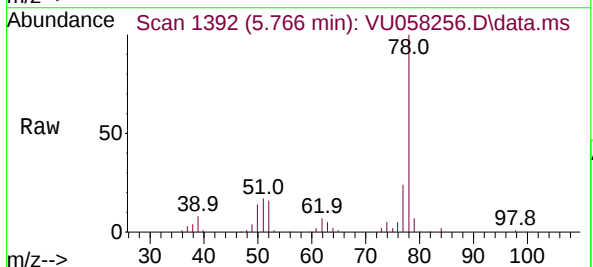
Instrument :  
MSVOA\_U  
ClientSampleId :

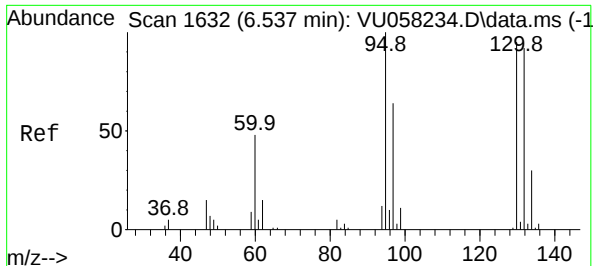
Tgt Ion:117 Resp: 27463  
Ion Ratio Lower Upper  
117 100  
119 93.0 78.1 117.1



#33  
Benzene  
Concen: 4.492 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.003 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Tgt Ion: 78 Resp: 81230



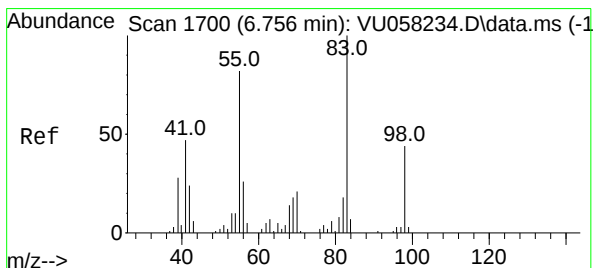
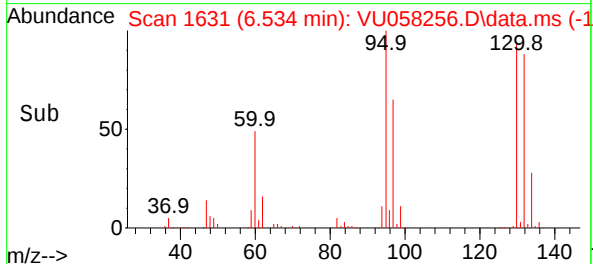
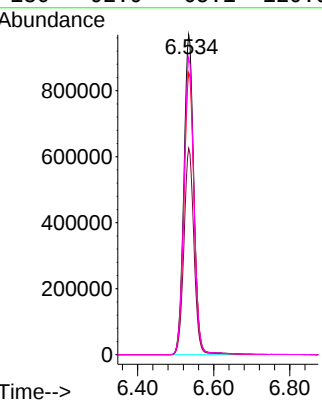
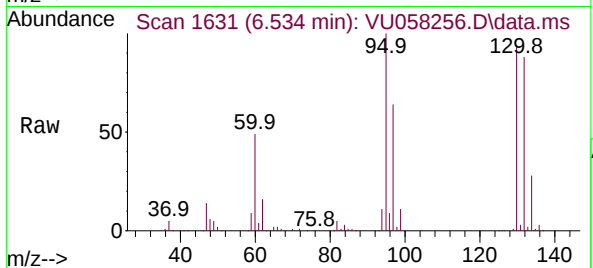


#34  
Trichloroethene  
Concen: 376.944 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 95 Resp: 1775861

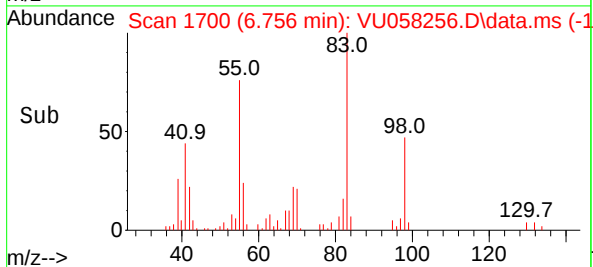
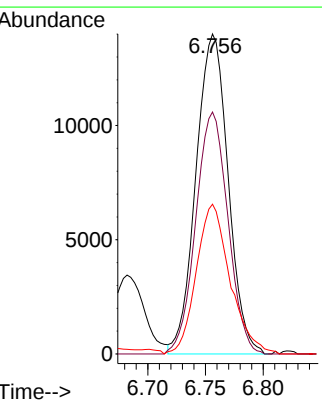
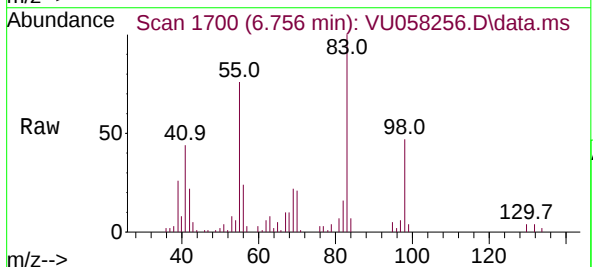
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.5  | 47.7  | 88.7  |
| 132 | 88.1  | 63.6  | 118.2 |
| 130 | 92.9  | 65.1  | 120.9 |

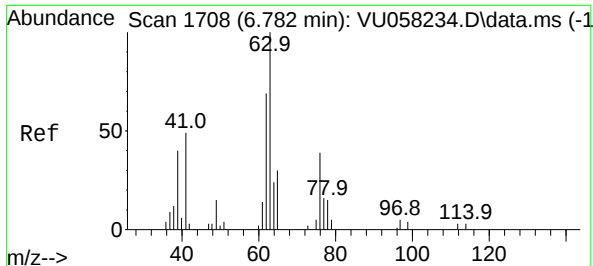


#35  
Methylcyclohexane  
Concen: 4.139 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Tgt Ion: 83 Resp: 27194

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 75.6  | 62.7  | 94.1  |
| 98  | 49.1  | 37.3  | 55.9  |

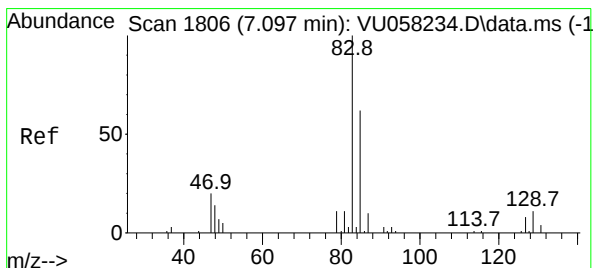
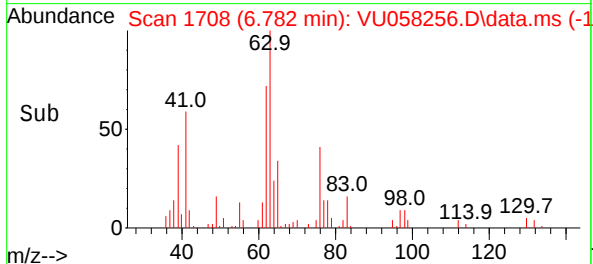
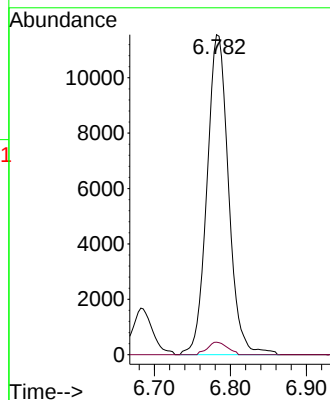
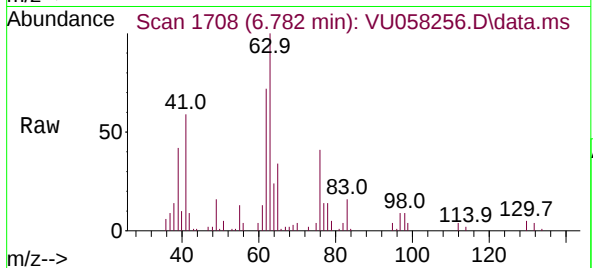




#37  
1,2-Dichloropropane  
Concen: 4.508 ug/L  
RT: 6.782 min Scan# 1708  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

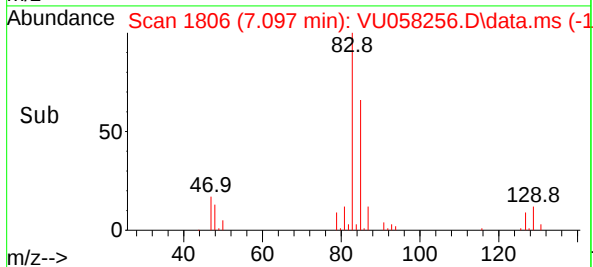
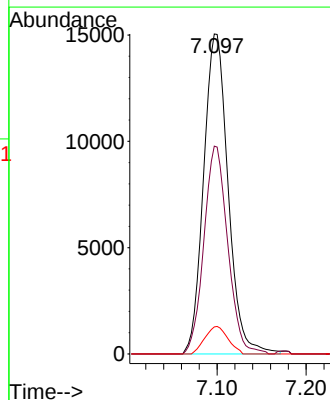
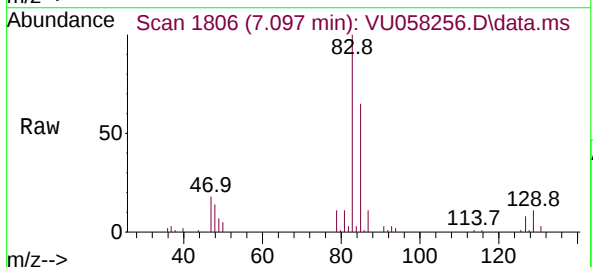
Instrument :  
MSVOA\_U  
ClientSampleId :

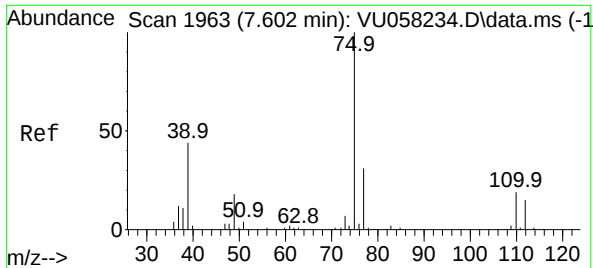
Tgt Ion: 63 Resp: 22774  
Ion Ratio Lower Upper  
63 100  
112 3.6 2.7 4.1



#38  
Bromodichloromethane  
Concen: 4.964 ug/L  
RT: 7.097 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Tgt Ion: 83 Resp: 28745  
Ion Ratio Lower Upper  
83 100  
85 64.9 45.6 84.8  
127 8.4 7.1 10.7

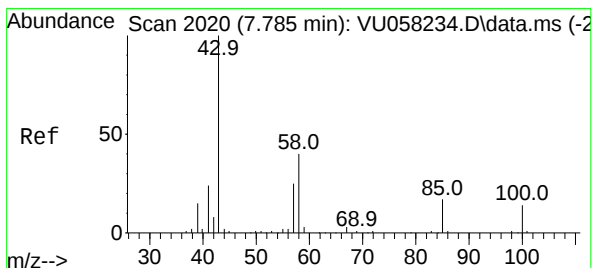
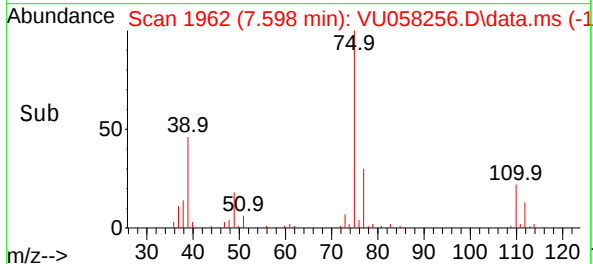
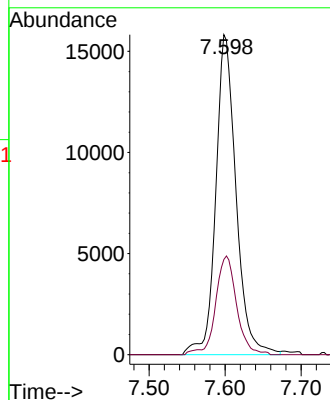
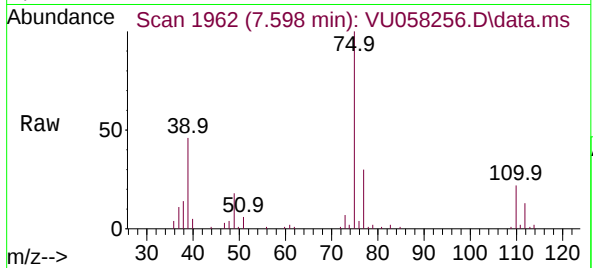




#39  
 cis-1,3-Dichloropropene  
 Concen: 4.565 ug/L  
 RT: 7.598 min Scan# 1962  
 Delta R.T. -0.003 min  
 Lab File: VU058256.D  
 Acq: 28 Mar 2024 21:47

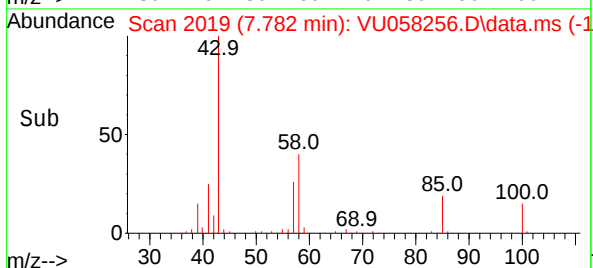
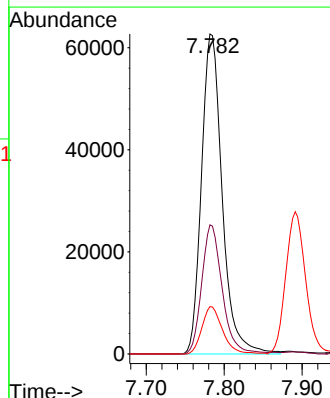
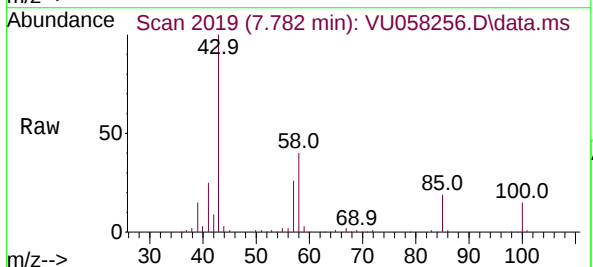
Instrument :  
 MSVOA\_U  
 ClientSampleId :

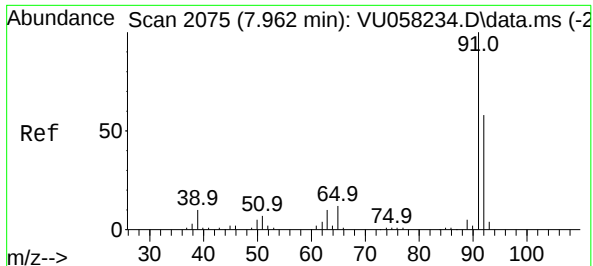
Tgt Ion: 75 Resp: 29245  
 Ion Ratio Lower Upper  
 75 100  
 77 29.7 21.4 39.8



#40  
 4-Methyl-2-pentanone  
 Concen: 45.361 ug/L  
 RT: 7.782 min Scan# 2019  
 Delta R.T. -0.003 min  
 Lab File: VU058256.D  
 Acq: 28 Mar 2024 21:47

Tgt Ion: 43 Resp: 115867  
 Ion Ratio Lower Upper  
 43 100  
 58 39.8 33.2 49.8  
 100 14.7 11.5 17.3





#42

Toluene

Concen: 4.642 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

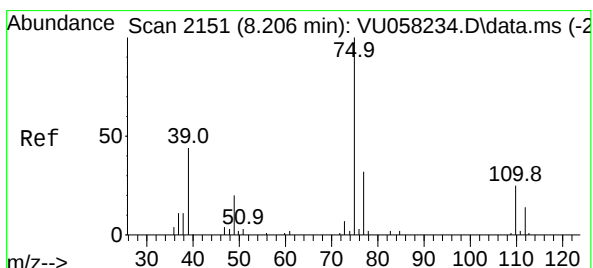
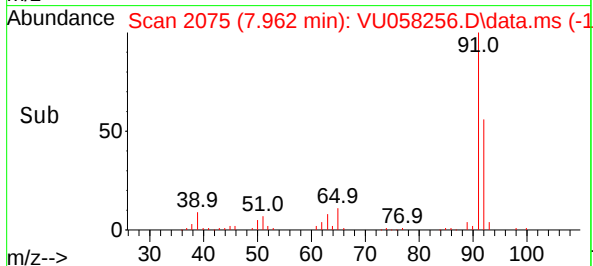
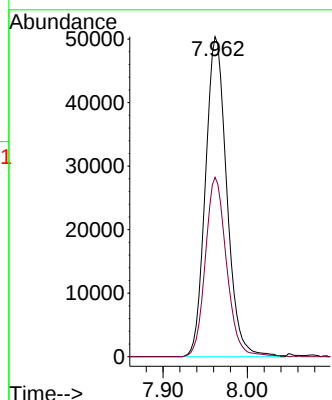
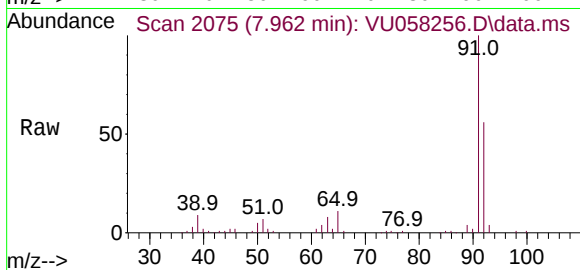
ClientSampleId :

Tgt Ion: 91 Resp: 88692

Ion Ratio Lower Upper

91 100

92 56.1 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.802 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU058256.D

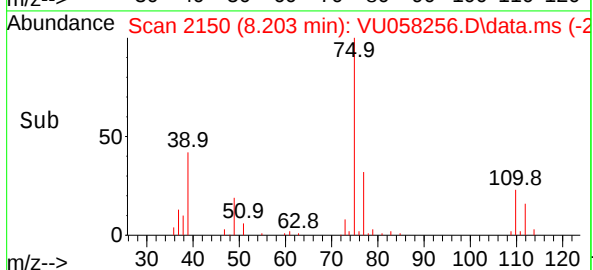
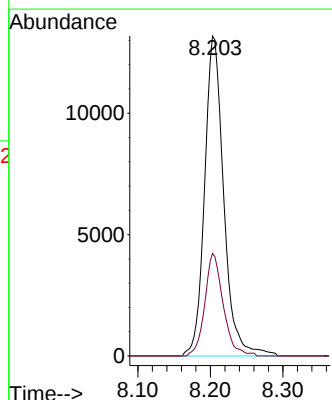
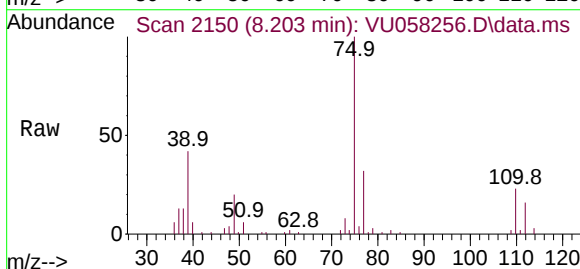
Acq: 28 Mar 2024 21:47

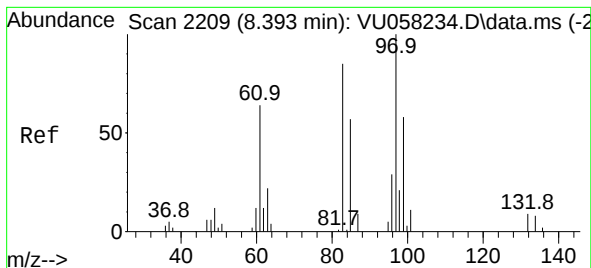
Tgt Ion: 75 Resp: 24210

Ion Ratio Lower Upper

75 100

77 32.0 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 4.758 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 97 Resp: 15139

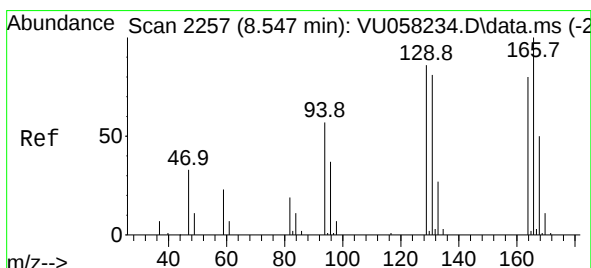
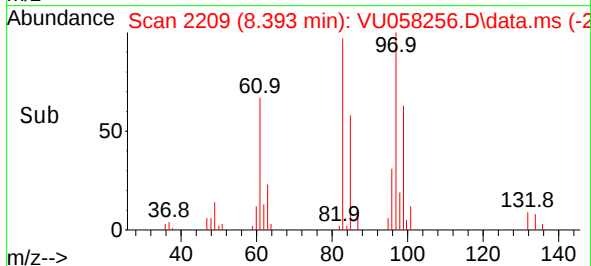
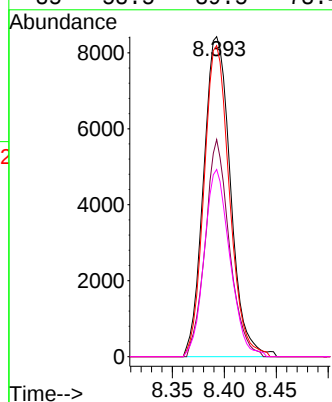
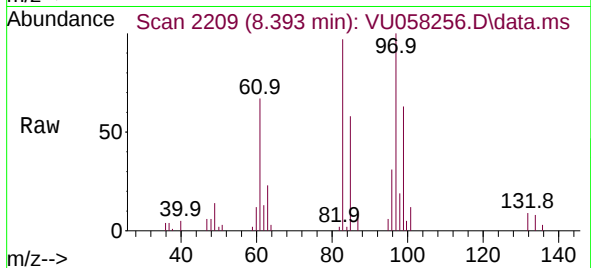
Ion Ratio Lower Upper

97 100

99 67.8 44.5 82.7

83 97.2 64.1 119.1

85 58.5 39.5 73.4



#47

Tetrachloroethene

Concen: 262.216 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Tgt Ion:164 Resp: 827443

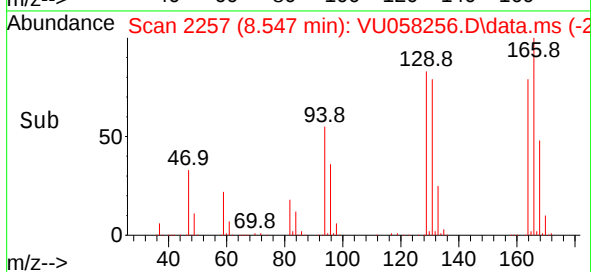
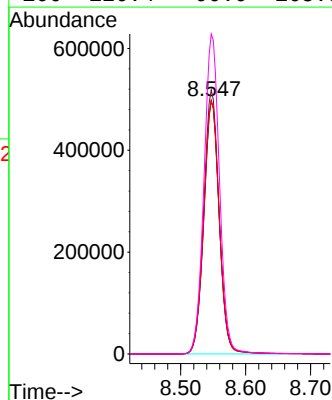
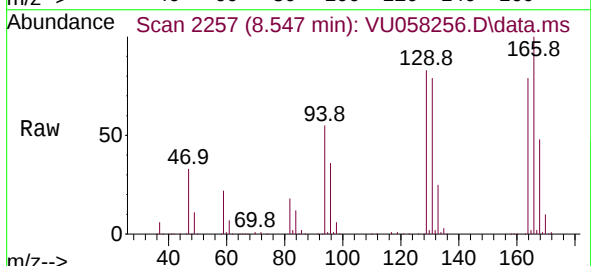
Ion Ratio Lower Upper

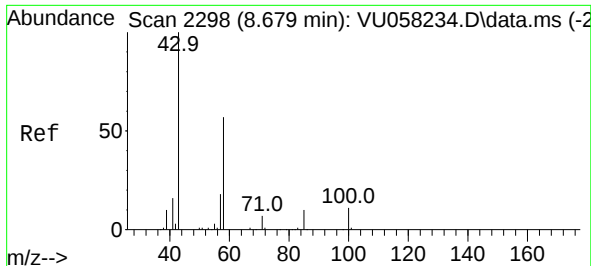
164 100

129 104.4 71.3 132.3

131 100.1 70.8 131.4

166 126.4 90.9 168.9





#48

2-Hexanone

Concen: 43.632 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. -0.000 min

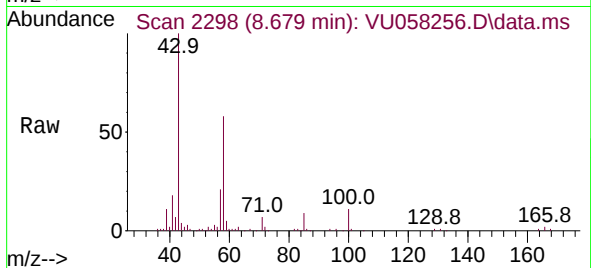
Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 43 Resp: 81163

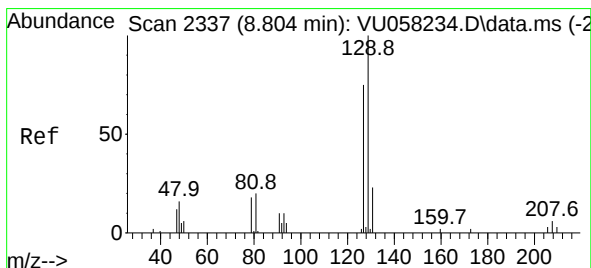
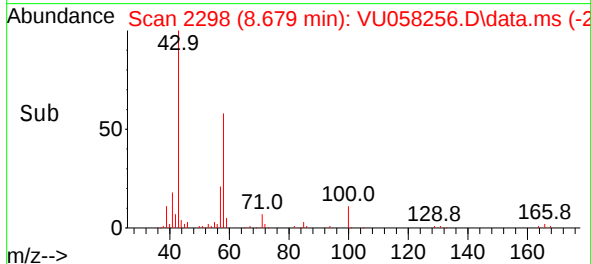
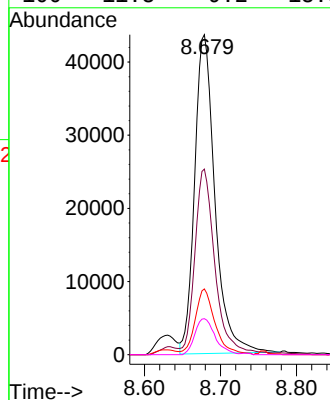
Ion Ratio Lower Upper

43 100

58 56.7 48.3 72.5

57 20.1 16.3 24.5

100 11.3 9.2 13.8



#49

Dibromochloromethane

Concen: 243.351 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.257 min

Lab File: VU058256.D

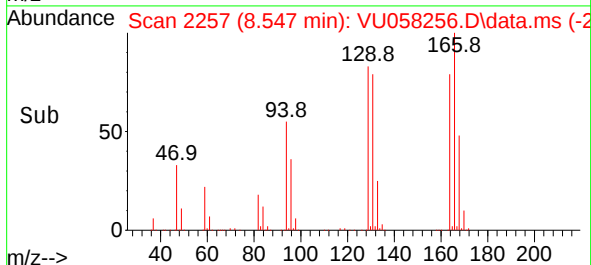
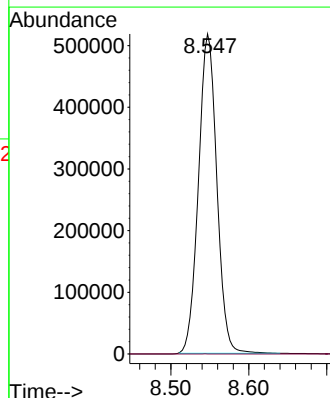
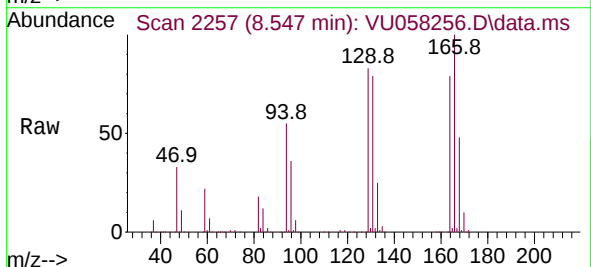
Acq: 28 Mar 2024 21:47

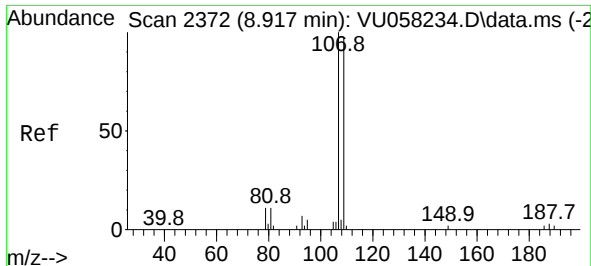
Tgt Ion:129 Resp: 847268

Ion Ratio Lower Upper

129 100

127 0.0 55.7 103.5#

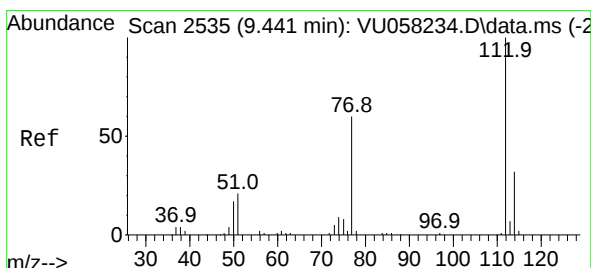
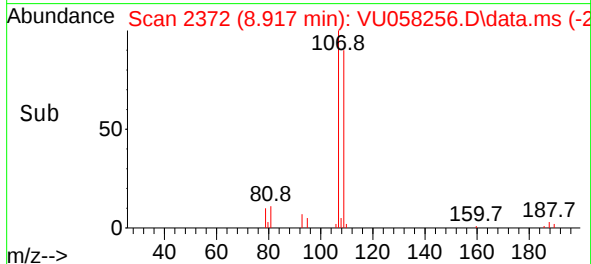
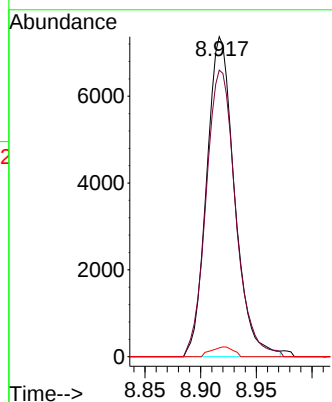
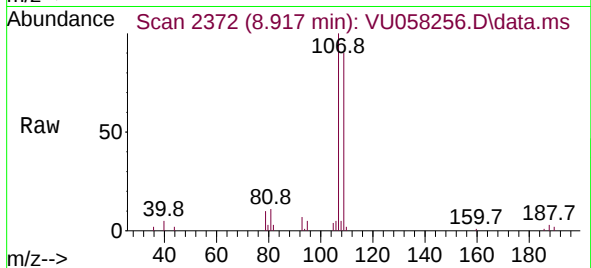




#50  
1,2-Dibromoethane  
Concen: 4.680 ug/L  
RT: 8.917 min Scan# 2372  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

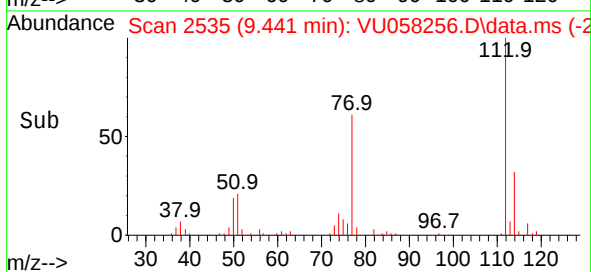
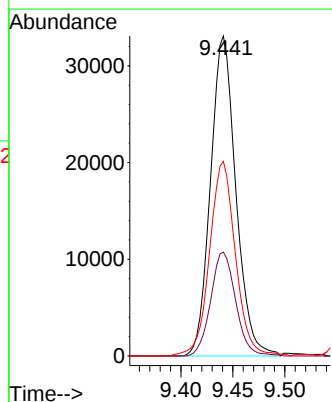
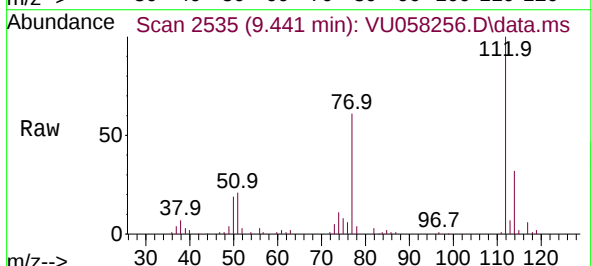
Instrument :  
MSVOA\_U  
ClientSampleId :

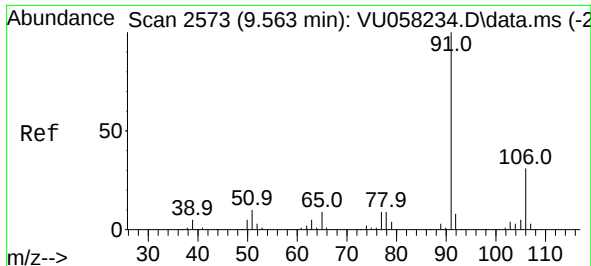
Tgt Ion:107 Resp: 12818  
Ion Ratio Lower Upper  
107 100  
109 89.6 67.8 125.8  
188 2.8 2.5 3.7



#51  
Chlorobenzene  
Concen: 4.561 ug/L  
RT: 9.441 min Scan# 2535  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Tgt Ion:112 Resp: 56148  
Ion Ratio Lower Upper  
112 100  
114 32.4 22.7 42.3  
77 60.8 48.9 73.3

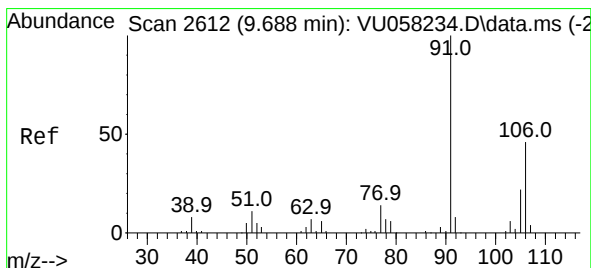
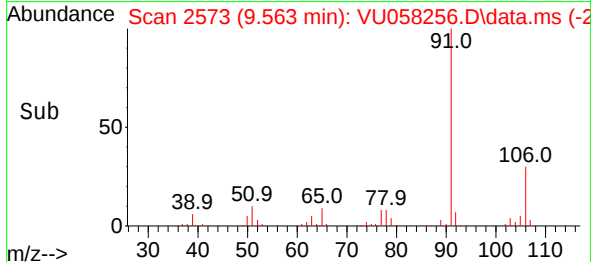
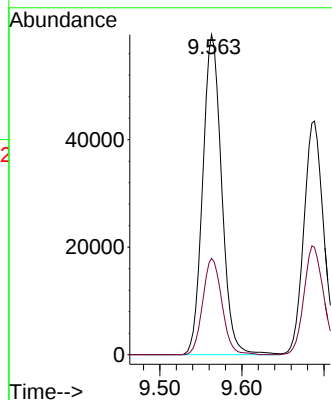
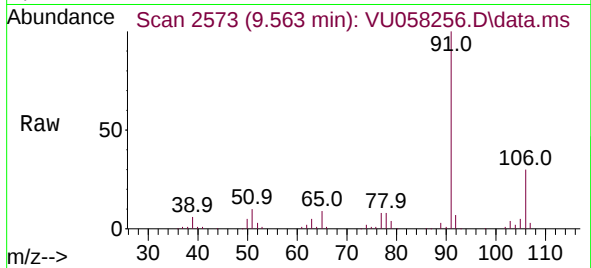




#52  
Ethylbenzene  
Concen: 4.466 ug/L  
RT: 9.563 min Scan# 2573  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

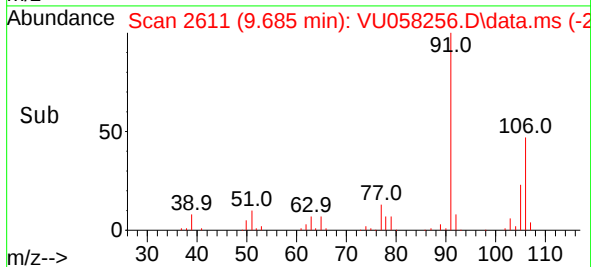
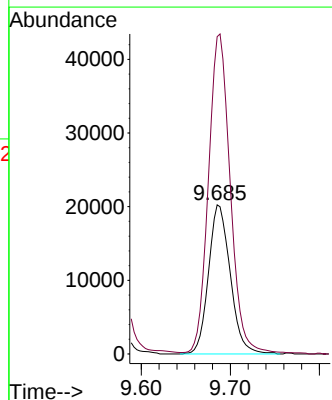
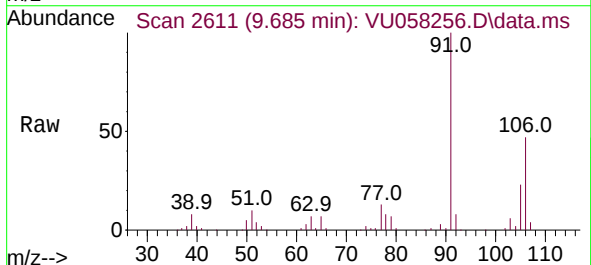
Instrument :  
MSVOA\_U  
ClientSampleId :

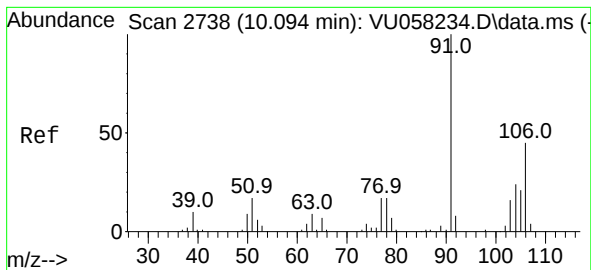
Tgt Ion: 91 Resp: 95285  
Ion Ratio Lower Upper  
91 100  
106 30.1 20.6 38.2



#53  
m,p-Xylene  
Concen: 4.514 ug/L  
RT: 9.685 min Scan# 2611  
Delta R.T. -0.003 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Tgt Ion:106 Resp: 34312  
Ion Ratio Lower Upper  
106 100  
91 212.7 151.0 280.4





#54

o-Xylene

Concen: 4.587 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

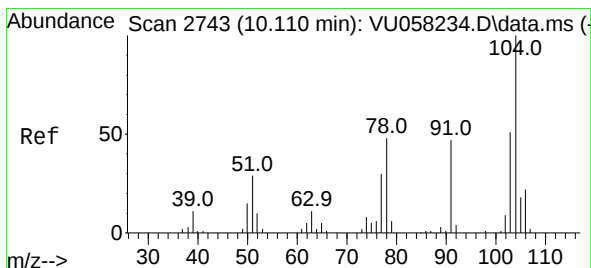
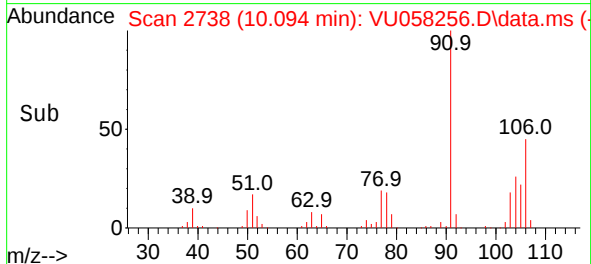
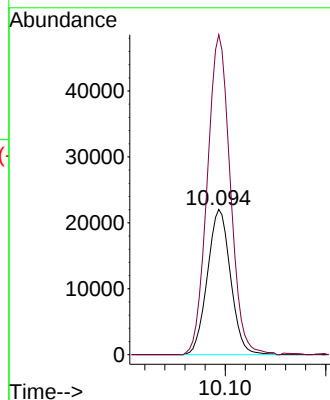
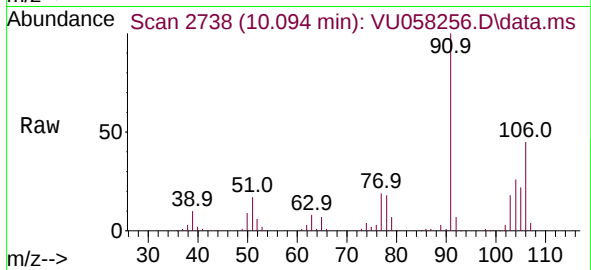
ClientSampleId :

Tgt Ion:106 Resp: 35198

Ion Ratio Lower Upper

106 100

91 220.3 154.3 286.7



#55

Styrene

Concen: 4.640 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU058256.D

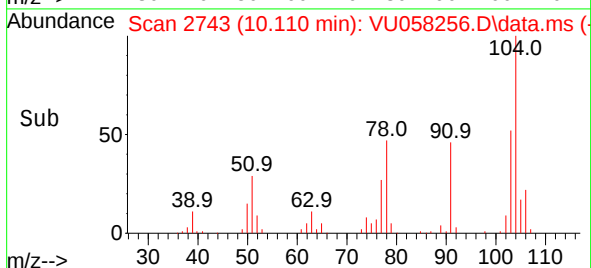
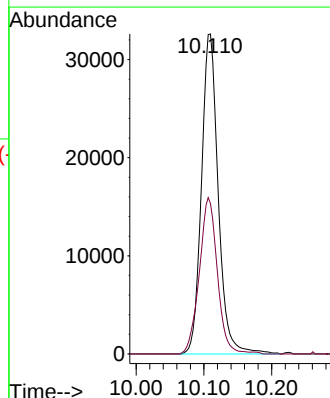
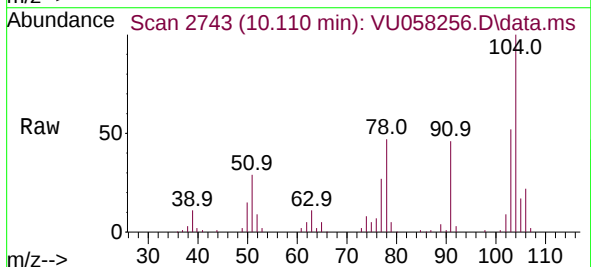
Acq: 28 Mar 2024 21:47

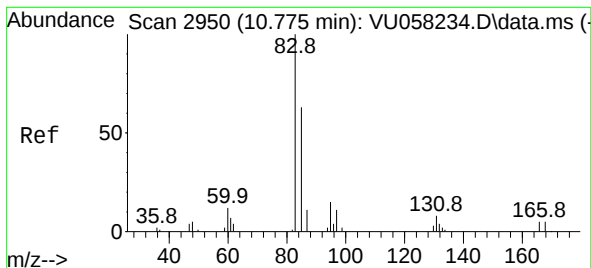
Tgt Ion:104 Resp: 56216

Ion Ratio Lower Upper

104 100

78 47.1 34.5 64.1





#57

1,1,2,2-Tetrachloroethane

Concen: 4.972 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

ClientSampleId :

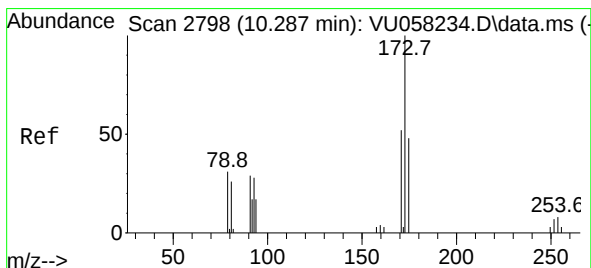
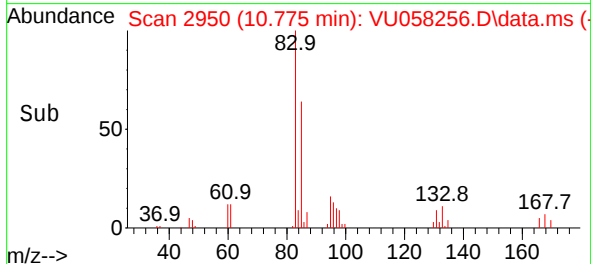
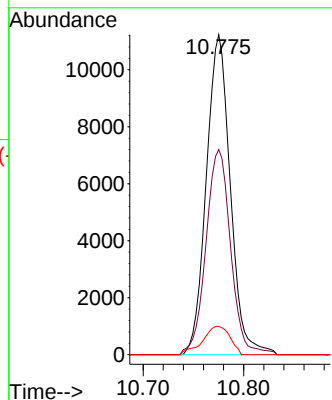
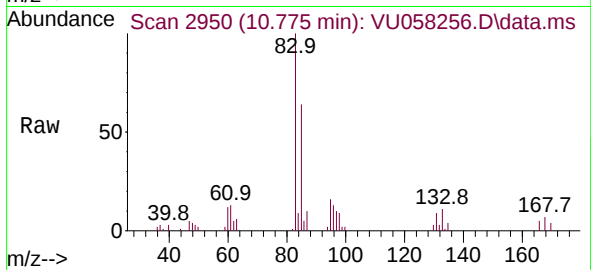
Tgt Ion: 83 Resp: 18648

Ion Ratio Lower Upper

83 100

85 64.1 44.7 82.9

131 8.9 7.0 10.6



#59

Bromoform

Concen: 4.867 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

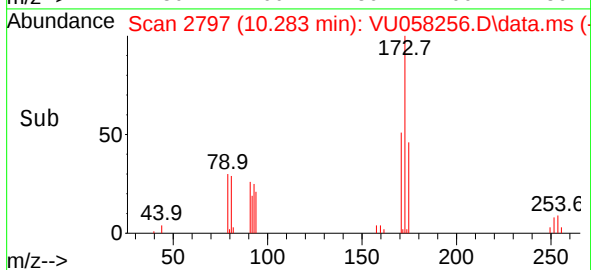
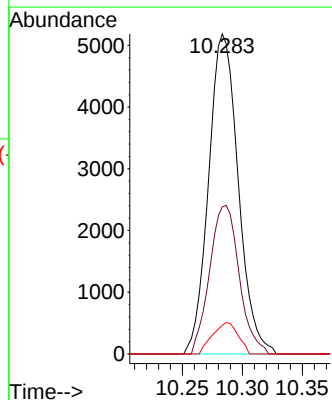
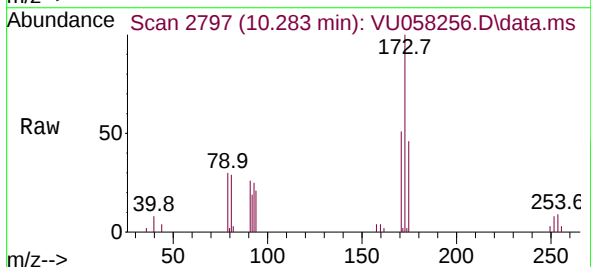
Tgt Ion:173 Resp: 8899

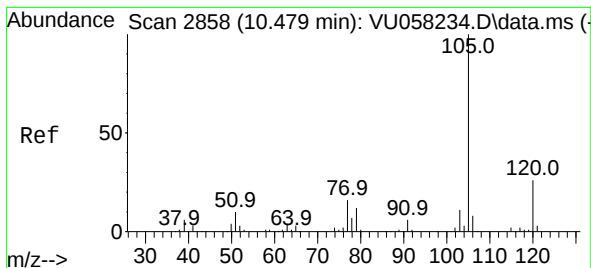
Ion Ratio Lower Upper

173 100

175 46.2 40.9 61.3

254 8.4 5.8 8.8





#60

Isopropylbenzene

Concen: 4.337 ug/L

RT: 10.476 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU058256.D

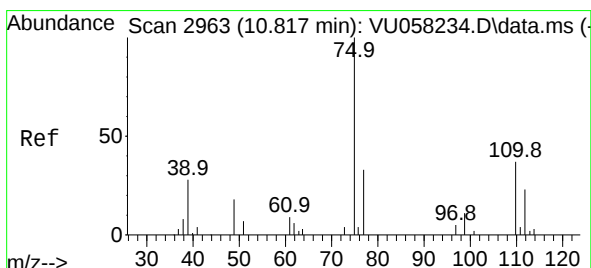
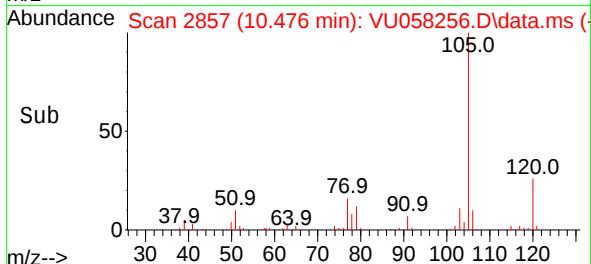
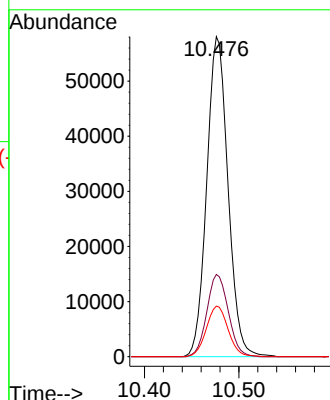
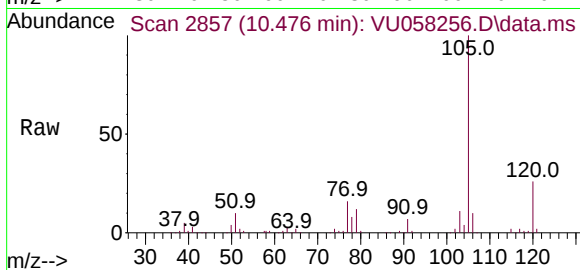
Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 90715 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 25.9  | 20.5  | 30.7  |
| 77        | 16.2  | 13.2  | 19.8  |



#61

1,2,3-Trichloropropane

Concen: 4.449 ug/L

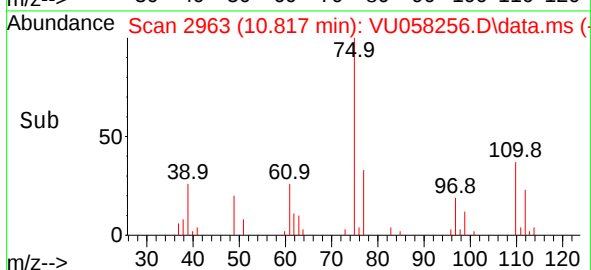
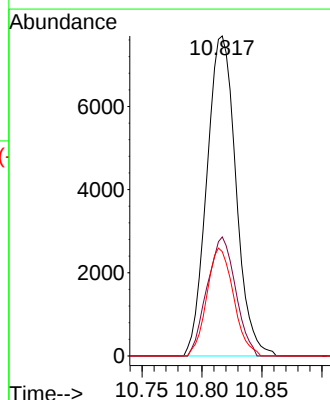
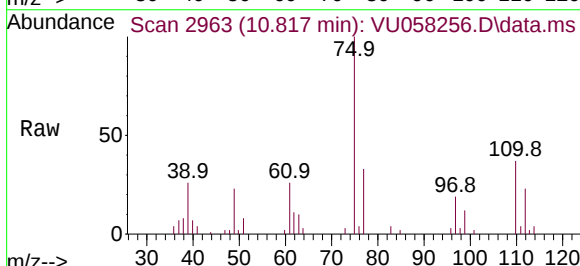
RT: 10.817 min Scan# 2963

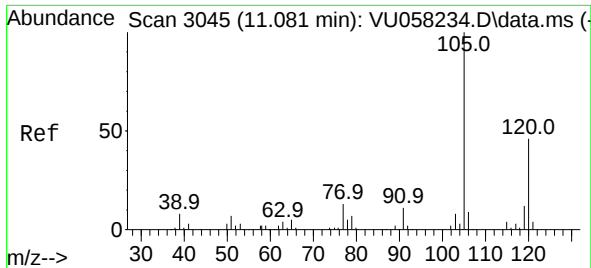
Delta R.T. -0.000 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 12973 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 36.2  | 28.1  | 42.1  |
| 77        | 31.0  | 25.1  | 37.7  |





#62

1,3,5-Trimethylbenzene

Concen: 4.236 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. -0.000 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

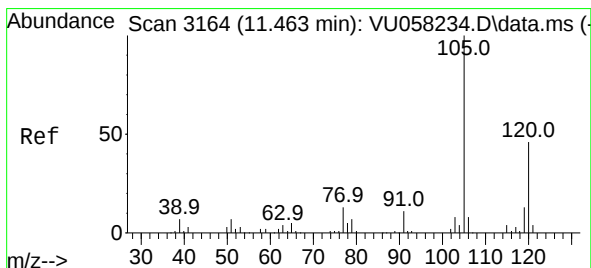
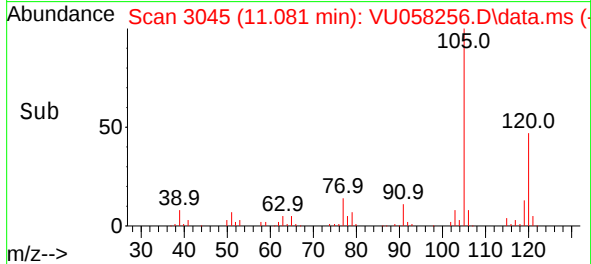
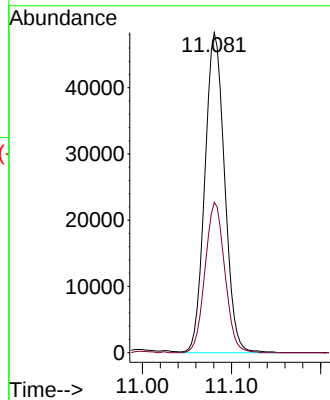
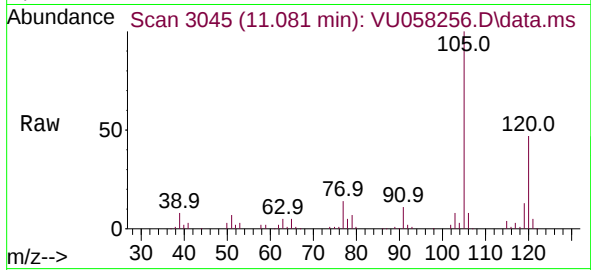
ClientSampleId :

Tgt Ion:105 Resp: 74356

Ion Ratio Lower Upper

105 100

120 47.0 36.7 55.1



#63

1,2,4-Trimethylbenzene

Concen: 4.284 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU058256.D

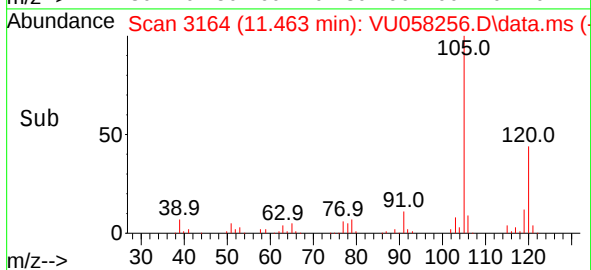
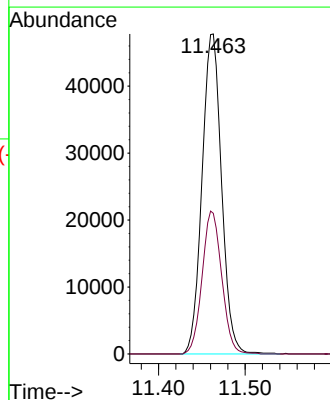
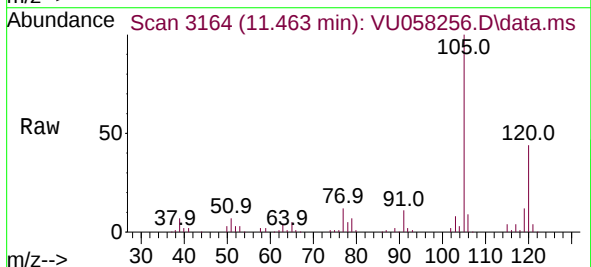
Acq: 28 Mar 2024 21:47

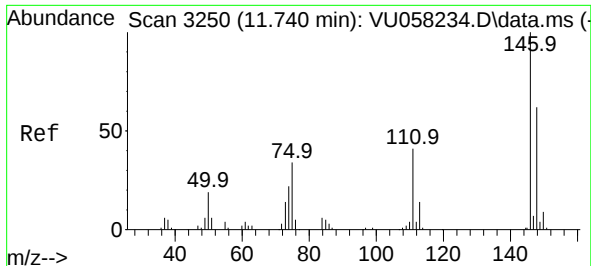
Tgt Ion:105 Resp: 74695

Ion Ratio Lower Upper

105 100

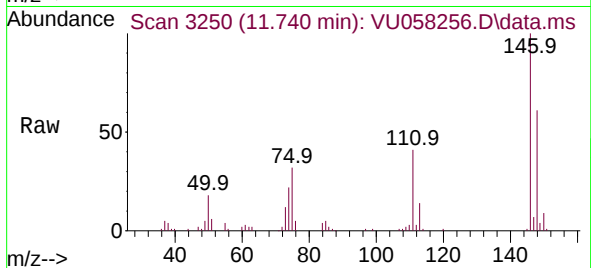
120 44.7 35.9 53.9



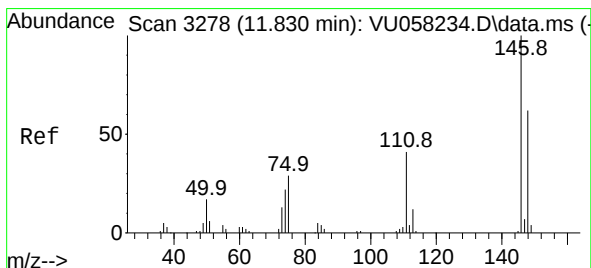
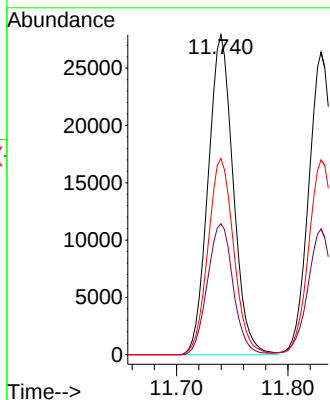
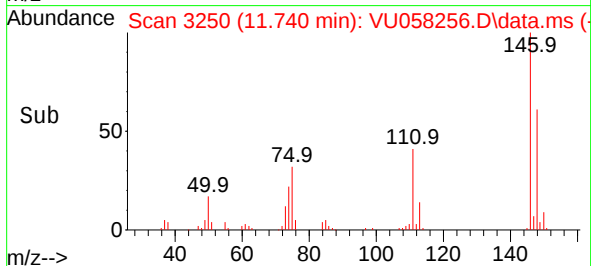


#64  
1,3-Dichlorobenzene  
Concen: 4.496 ug/L  
RT: 11.740 min Scan# 3250  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

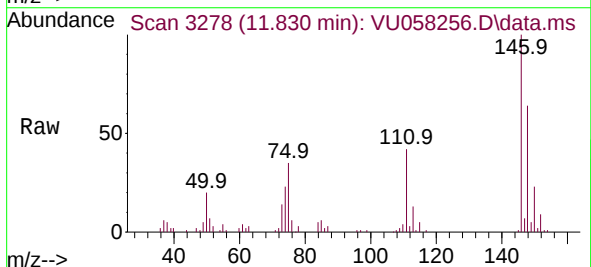
Instrument :  
MSVOA\_U  
ClientSampleId :



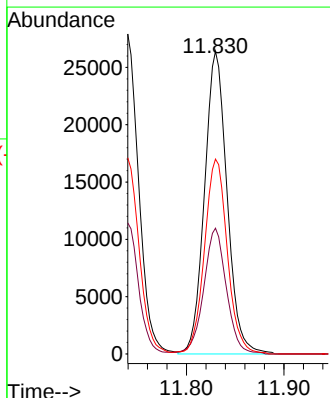
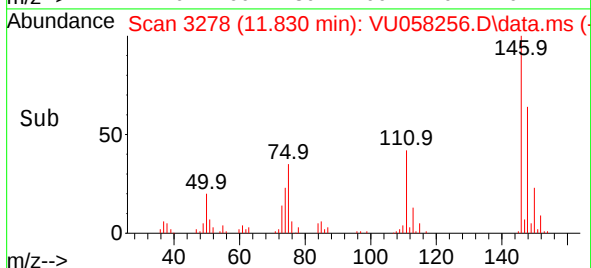
Tgt Ion:146 Resp: 43801  
Ion Ratio Lower Upper  
146 100  
111 41.0 29.9 55.5  
148 61.3 44.4 82.4

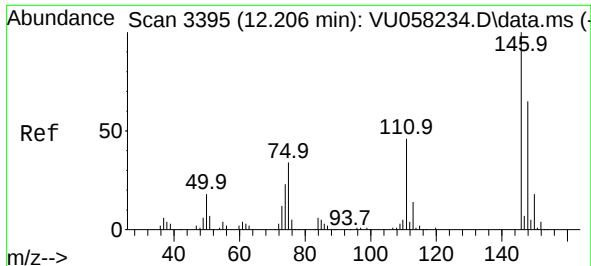


#65  
1,4-Dichlorobenzene  
Concen: 4.517 ug/L  
RT: 11.830 min Scan# 3278  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47



Tgt Ion:146 Resp: 42529  
Ion Ratio Lower Upper  
146 100  
111 41.5 29.0 53.8  
148 64.4 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 4.519 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

ClientSampleId :

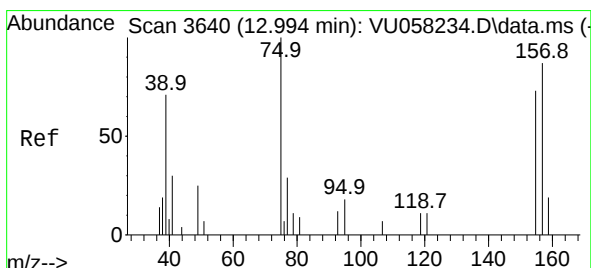
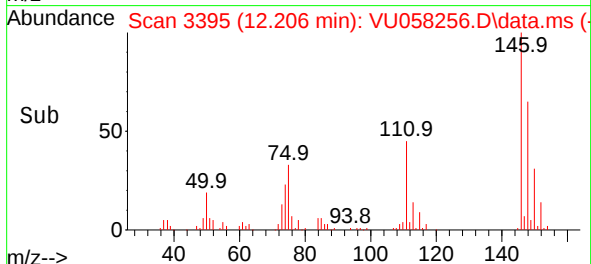
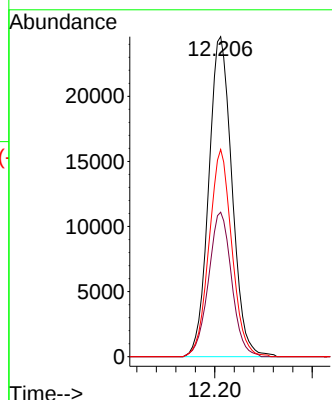
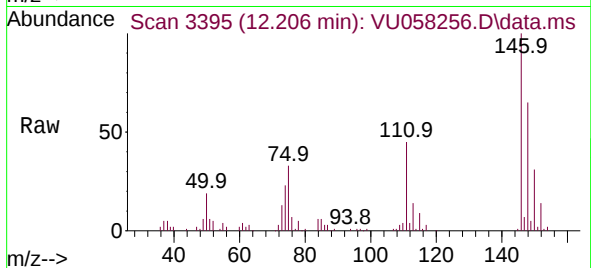
Tgt Ion:146 Resp: 40709

Ion Ratio Lower Upper

146 100

111 45.2 35.9 53.9

148 64.8 52.4 78.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.149 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.007 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

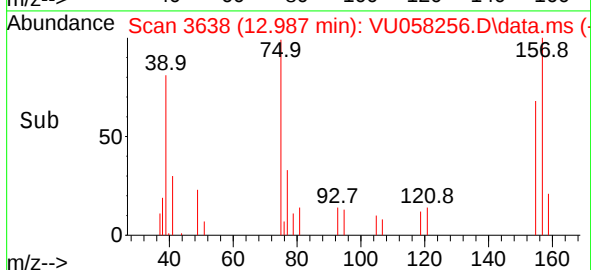
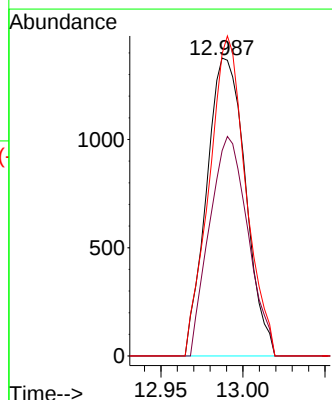
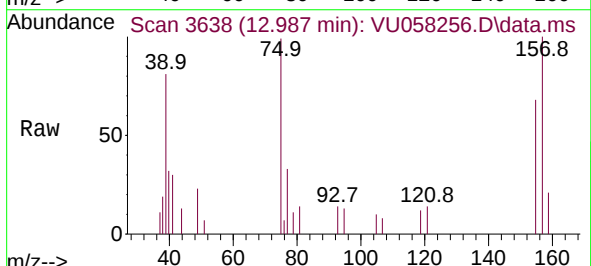
Tgt Ion: 75 Resp: 2264

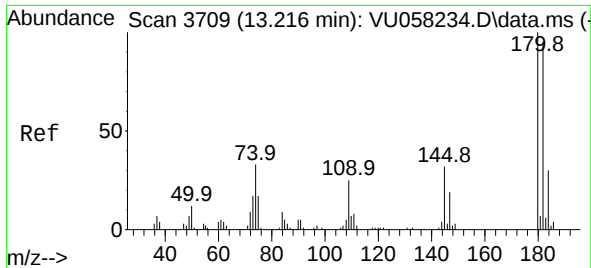
Ion Ratio Lower Upper

75 100

155 68.9 60.2 90.2

157 101.5 82.6 123.8





#69

1,3,5-Trichlorobenzene

Concen: 4.511 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

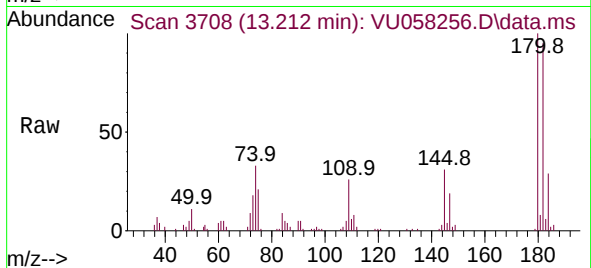
Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:180 Resp: 30725

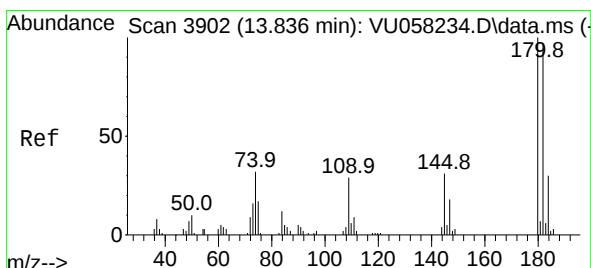
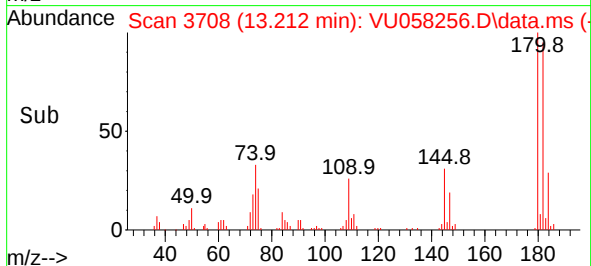
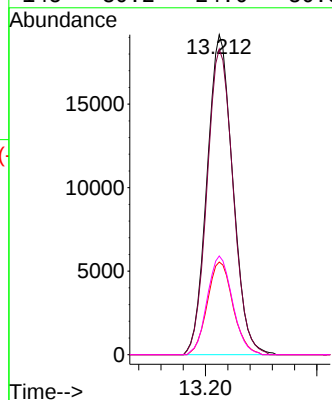
Ion Ratio Lower Upper

180 100

182 96.6 75.4 113.0

184 28.9 24.8 37.2

145 30.2 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 4.405 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.003 min

Lab File: VU058256.D

Acq: 28 Mar 2024 21:47

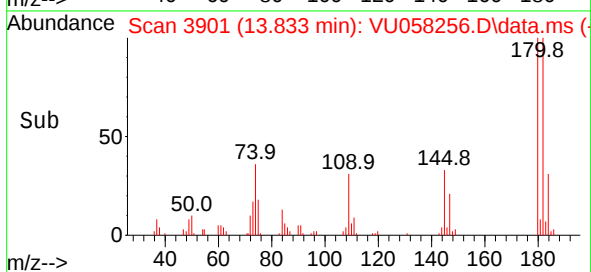
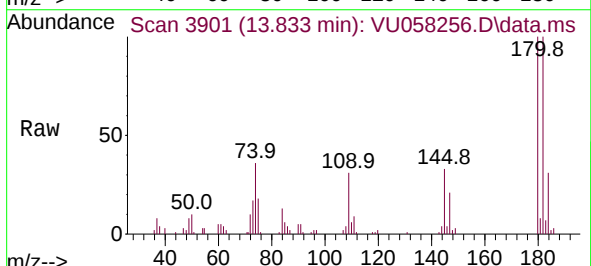
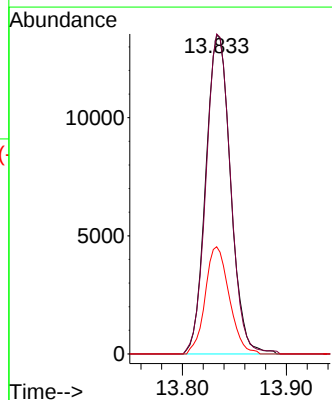
Tgt Ion:180 Resp: 22379

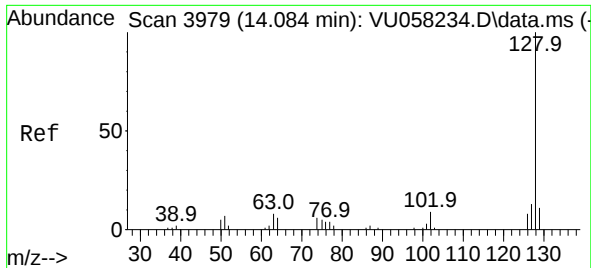
Ion Ratio Lower Upper

180 100

182 99.2 74.5 111.7

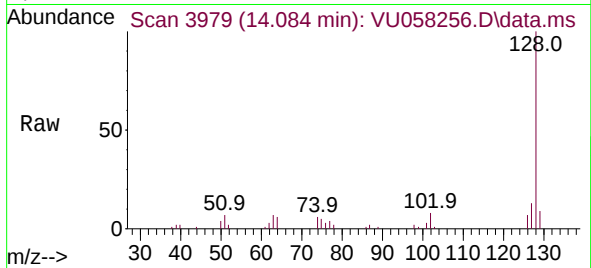
145 32.5 24.5 36.7



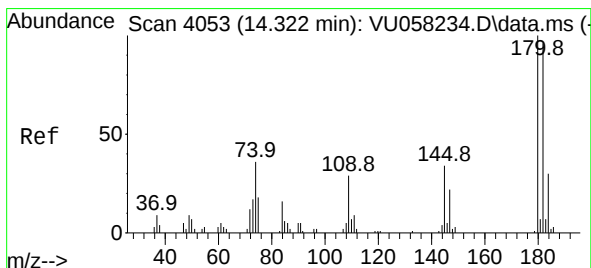
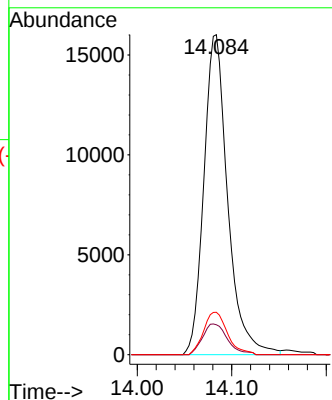
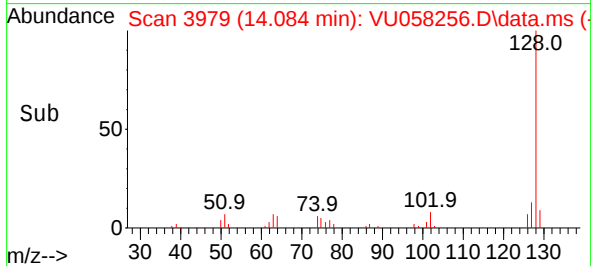


#71  
Naphthalene  
Concen: 4.056 ug/L  
RT: 14.084 min Scan# 3979  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 28063  
Ion Ratio Lower Upper  
128 100  
129 10.0 8.1 12.1  
127 13.3 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 4.538 ug/L  
RT: 14.322 min Scan# 4053  
Delta R.T. -0.000 min  
Lab File: VU058256.D  
Acq: 28 Mar 2024 21:47

Tgt Ion:180 Resp: 18879  
Ion Ratio Lower Upper  
180 100  
182 94.0 74.4 111.6  
145 33.3 26.3 39.5

