

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111122\  
 Data File : VU051826.D  
 Acq On : 11 Nov 2022 19:48  
 Operator : JC/MD  
 Sample : N5593-13MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 12 01:24:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 12 01:22:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 212116   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 210826   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 102338   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 64602    | 4.044    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.800%  |
| 7) Chloroethane-d5            | 1.906  | 69    | 62549    | 3.754    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 75.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65    | 26278    | 4.532    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 90.600%  |
| 20) 2-Butanone-d5             | 4.620  | 46    | 223828   | 38.687   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 77.380%  |
| 24) Chloroform-d              | 5.060  | 84    | 152701   | 4.085    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 78091    | 3.867    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 77.400%  |
| 32) Benzene-d6                | 5.726  | 84    | 291394   | 4.380    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67    | 98921    | 4.252    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 85.000%  |
| 41) Toluene-d8                | 7.896  | 98    | 266283   | 5.090    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.800% |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 34383    | 4.834    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 96.600%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 201670   | 47.096   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 94.200%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84    | 97813    | 4.588    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 91.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 95328    | 5.075    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 101.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 95930    | 4.135    | ug/L   | 99       |
| 3) Chloromethane              | 1.526  | 50    | 104943   | 3.589    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.600  | 62    | 112046   | 4.000    | ug/L   | 88       |
| 6) Bromomethane               | 1.845  | 94    | 44597    | 3.358    | ug/L   | 99       |
| 8) Chloroethane               | 1.928  | 64    | 69329    | 4.076    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.134  | 101   | 141305   | 4.595    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101   | 88189    | 4.878    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 141843   | 7.692    | ug/L   | 92       |
| 13) Acetone                   | 2.623  | 43    | 162508   | 55.358   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.790  | 76    | 187370   | 3.152    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.948  | 43    | 38164    | 4.966    | ug/L   | 96       |
| 16) Methylene chloride        | 3.044  | 84    | 103618   | 3.431    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.362  | 73    | 211766   | 5.008    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.350  | 96    | 82435    | 4.165    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 183390   | 5.024    | ug/L   | 98       |
| 21) 2-Butanone                | 4.697  | 43    | 274996   | 59.819   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 126685   | 5.785    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.973  | 128   | 48648    | 4.751    | ug/L   | 98       |
| 25) Chloroform                | 5.086  | 83    | 197644   | 5.219    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111122\  
 Data File : VU051826.D  
 Acq On : 11 Nov 2022 19:48  
 Operator : JC/MD  
 Sample : N5593-13MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

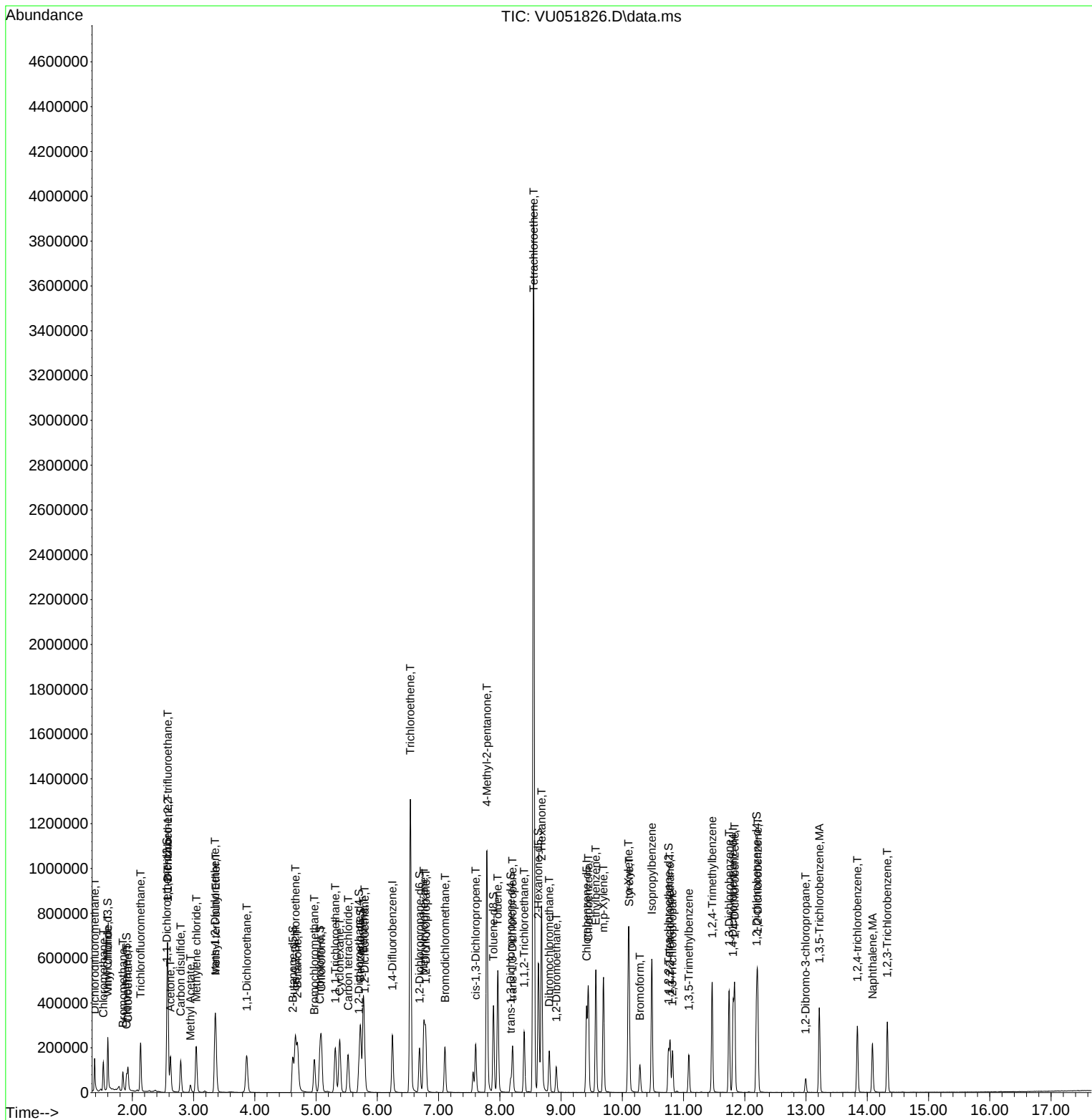
Instrument :  
 MSVOA\_U  
 ClientSampleId :

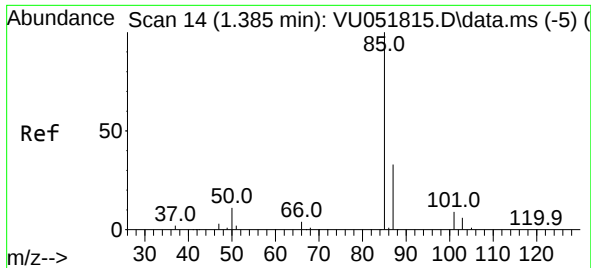
Quant Time: Nov 12 01:24:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 12 01:22:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 110984   | 4.762  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 143559   | 5.015  | ug/L  | 100      |
| 30) Cyclohexane               | 5.385  | 56   | 107099   | 4.063  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 117790   | 4.811  | ug/L  | 98       |
| 33) Benzene                   | 5.771  | 78   | 386314   | 4.643  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 457663   | 22.794 | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.761  | 83   | 117210   | 4.222  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 108673   | 5.078  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 135756   | 5.194  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 132851   | 4.839  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 666933   | 62.137 | ug/L  | 100      |
| 42) Toluene                   | 7.967  | 91   | 409077   | 4.788  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 120538   | 5.254  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 86345    | 5.506  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.552  | 164  | 895485   | 58.235 | ug/L  | 95       |
| 48) 2-Hexanone                | 8.681  | 43   | 494191   | 62.203 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.806  | 129  | 98444    | 5.495  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 75871    | 5.363  | ug/L  | 96       |
| 51) Chlorobenzene             | 9.446  | 112  | 264435   | 4.917  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.568  | 91   | 382384   | 4.638  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 151247   | 4.723  | ug/L  | 98       |
| 54) o-Xylene                  | 10.098 | 106  | 150069   | 4.795  | ug/L  | 98       |
| 55) Styrene                   | 10.111 | 104  | 197153   | 3.768  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 117597   | 6.048  | ug/L  | 98       |
| 59) Bromoform                 | 10.288 | 173  | 57020    | 6.030  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.481 | 105  | 381107   | 5.101  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.819 | 75   | 80103    | 6.053  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 93357    | 4.642  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 268934   | 4.637  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 193190   | 5.194  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 191689   | 5.140  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 192581   | 5.316  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 17101    | 6.276  | ug/L  | 89       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 121946   | 4.600  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 95616    | 4.698  | ug/L  | 97       |
| 71) Naphthalene               | 14.085 | 128  | 183302   | 4.825  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 100020   | 4.867  | ug/L  | 99       |

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

Quant Time: Nov 12 01:24:55 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Nov 12 01:22:06 2022  
Response via : Initial Calibration

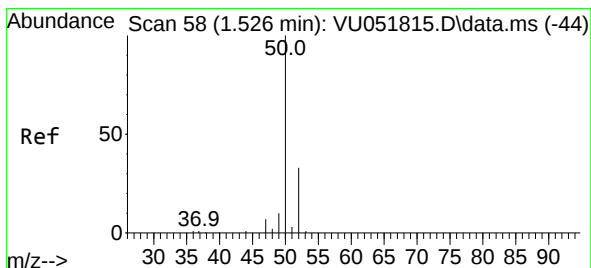
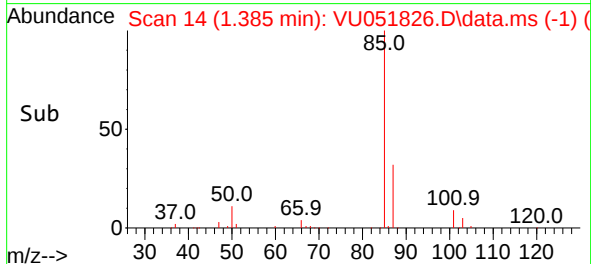
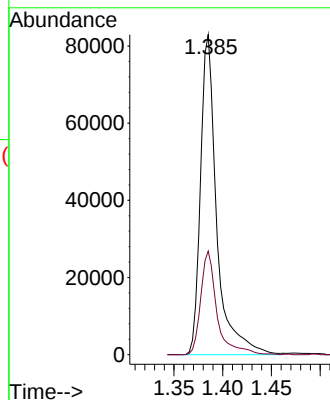
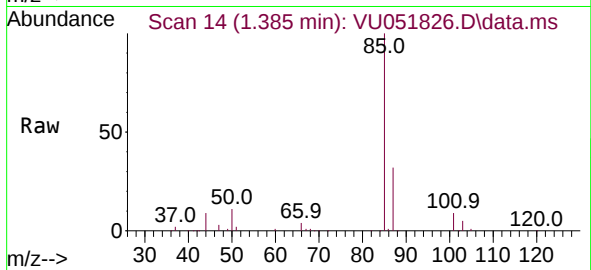




#2  
Dichlorodifluoromethane  
Concen: 4.135 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

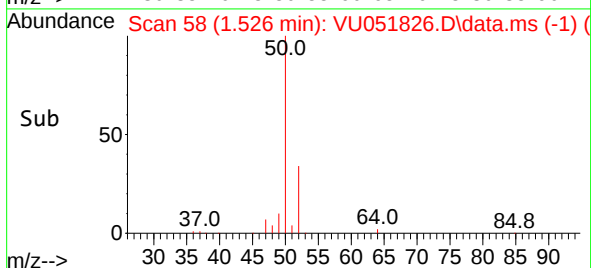
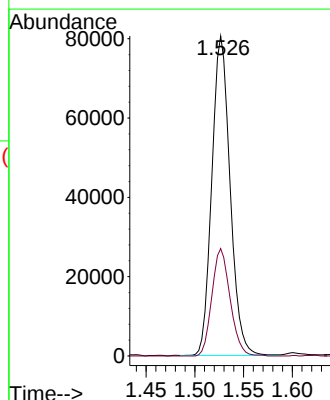
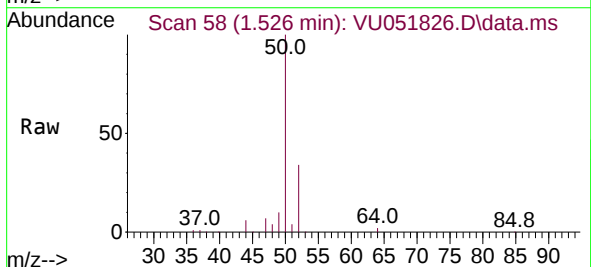
Instrument :  
MSVOA\_U  
ClientSampleId :

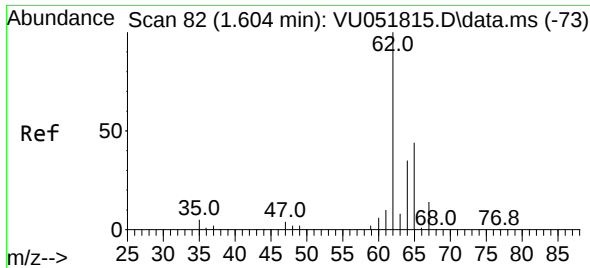
Tgt Ion: 85 Resp: 95930  
Ion Ratio Lower Upper  
85 100  
87 32.5 25.7 38.5



#3  
Chloromethane  
Concen: 3.589 ug/L  
RT: 1.526 min Scan# 58  
Delta R.T. 0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Tgt Ion: 50 Resp: 104943  
Ion Ratio Lower Upper  
50 100  
52 33.5 23.2 43.2

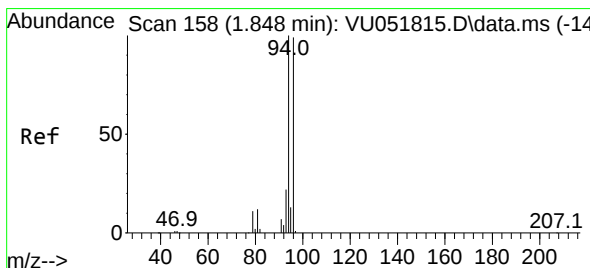
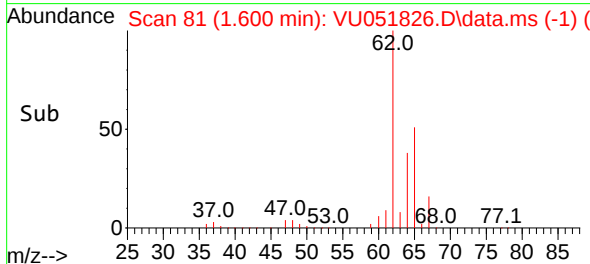
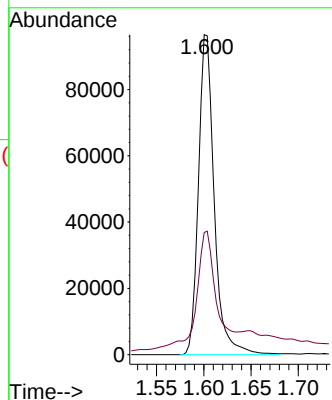
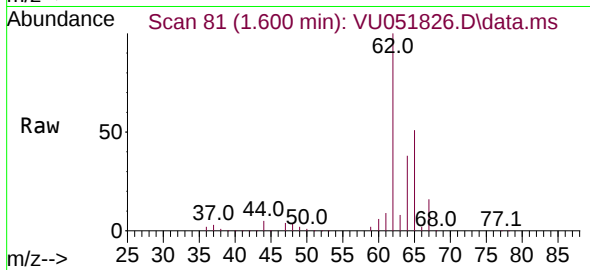




#5  
 Vinyl chloride  
 Concen: 4.000 ug/L  
 RT: 1.600 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VU051826.D  
 Acq: 11 Nov 2022 19:48

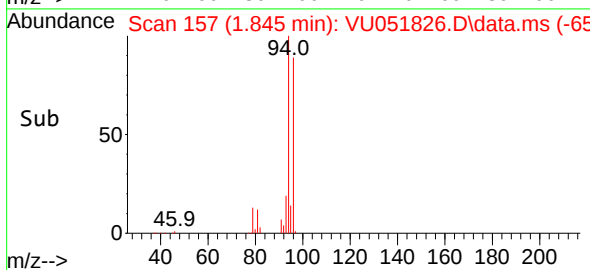
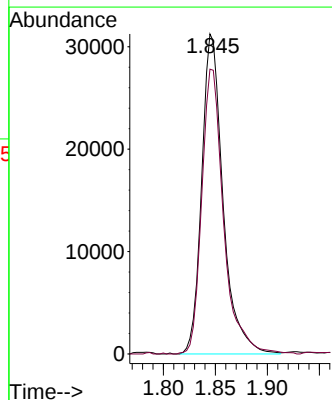
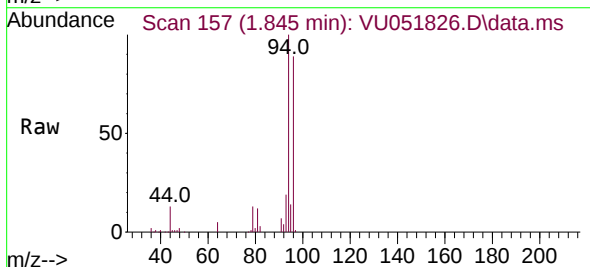
Instrument :  
 MSVOA\_U  
 ClientSampleId :

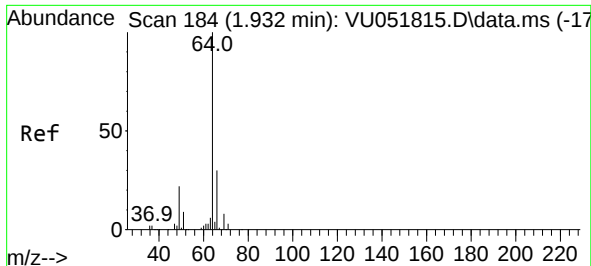
Tgt Ion: 62 Resp: 112046  
 Ion Ratio Lower Upper  
 62 100  
 64 38.2 22.1 41.1



#6  
 Bromomethane  
 Concen: 3.358 ug/L  
 RT: 1.845 min Scan# 157  
 Delta R.T. -0.003 min  
 Lab File: VU051826.D  
 Acq: 11 Nov 2022 19:48

Tgt Ion: 94 Resp: 44597  
 Ion Ratio Lower Upper  
 94 100  
 96 89.0 63.2 117.4

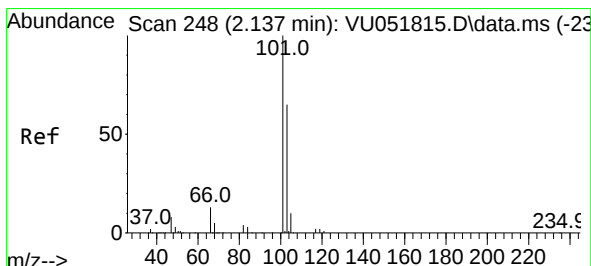
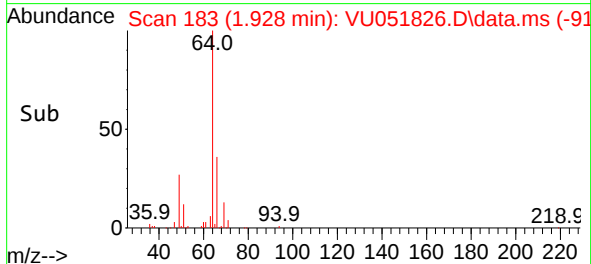
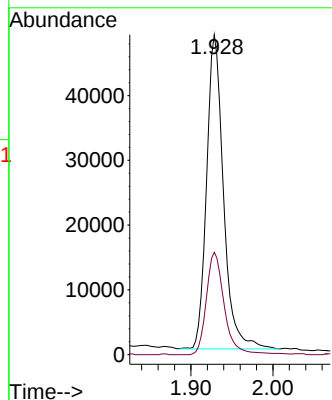
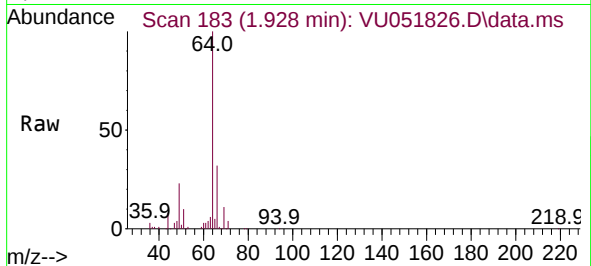




#8  
Chloroethane  
Concen: 4.076 ug/L  
RT: 1.928 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

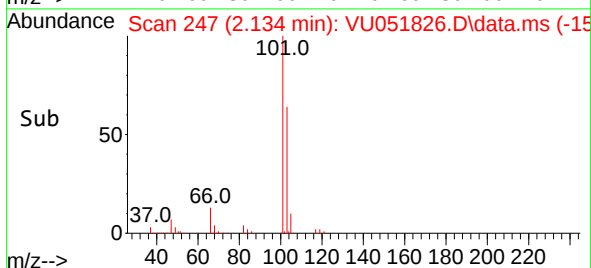
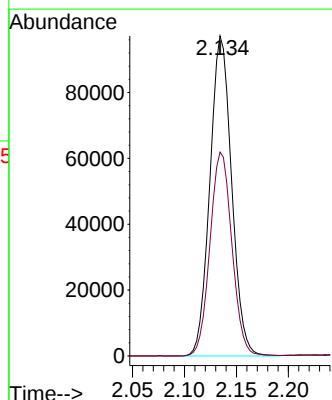
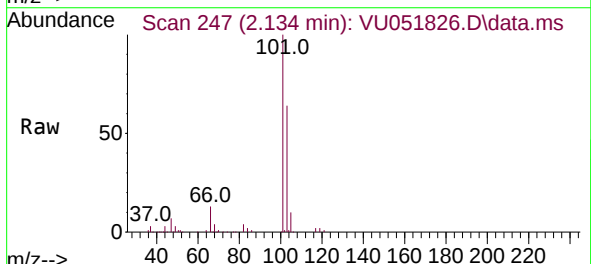
Instrument :  
MSVOA\_U  
ClientSampleId :

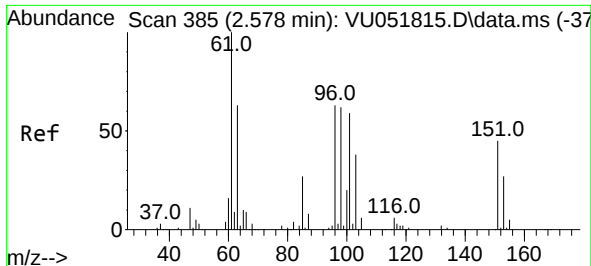
Tgt Ion: 64 Resp: 69329  
Ion Ratio Lower Upper  
64 100  
66 32.0 22.3 41.5



#9  
Trichlorofluoromethane  
Concen: 4.595 ug/L  
RT: 2.134 min Scan# 247  
Delta R.T. -0.003 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Tgt Ion:101 Resp: 141305  
Ion Ratio Lower Upper  
101 100  
103 64.3 51.8 77.6

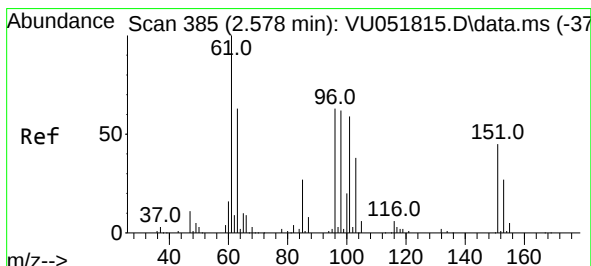
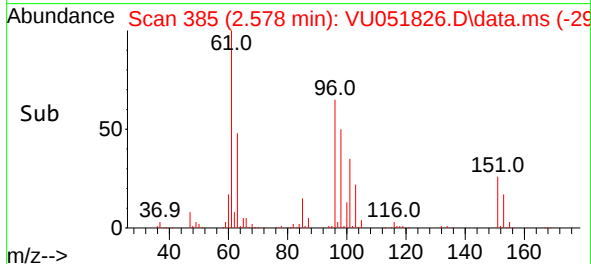
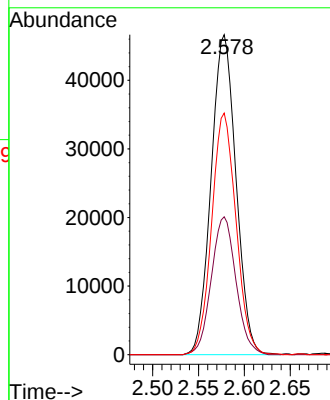
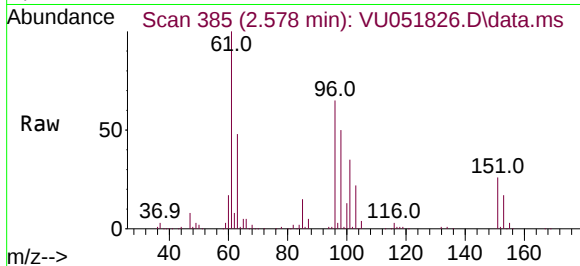




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.878 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.000 min  
 Lab File: VU051826.D  
 Acq: 11 Nov 2022 19:48

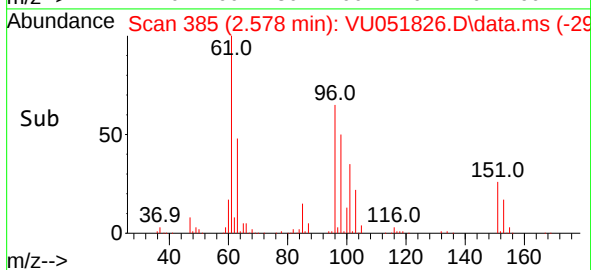
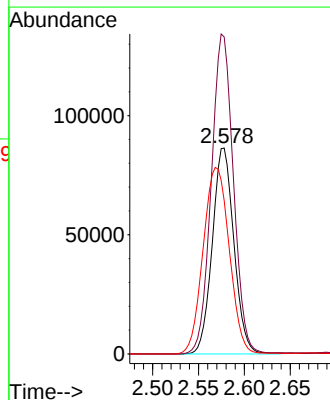
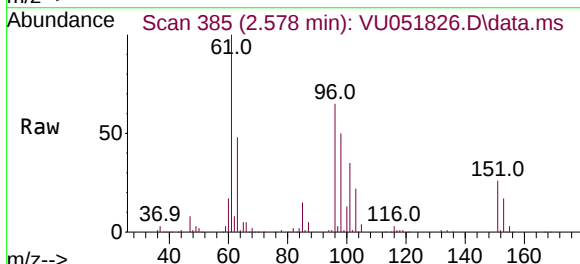
Instrument :  
 MSVOA\_U  
 ClientSampleId :

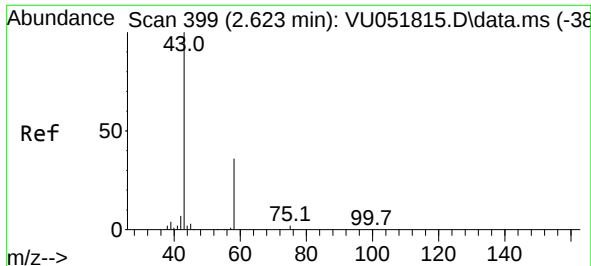
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 88189 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 42.6  | 35.6  | 53.4  |
| 151      | 73.8  | 59.6  | 89.4  |



#12  
 1,1-Dichloroethene  
 Concen: 7.692 ug/L  
 RT: 2.578 min Scan# 385  
 Delta R.T. -0.000 min  
 Lab File: VU051826.D  
 Acq: 11 Nov 2022 19:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 141843 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 153.9 | 108.8 | 202.0  |
| 63       | 74.4  | 64.9  | 120.5  |





#13

Acetone

Concen: 55.358 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

Instrument :

MSVOA\_U

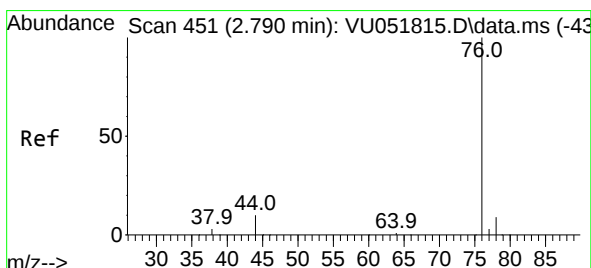
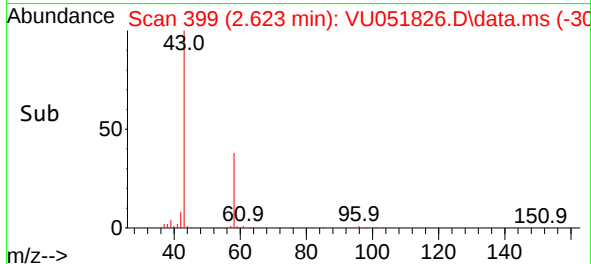
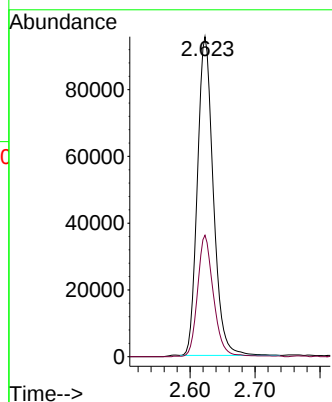
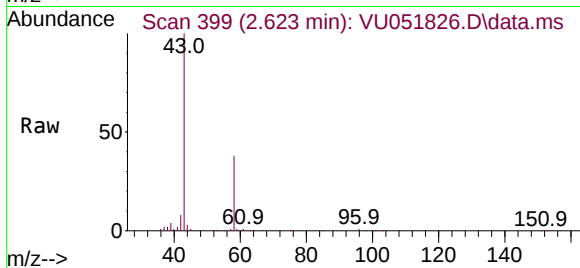
ClientSampleId :

Tgt Ion: 43 Resp: 162508

Ion Ratio Lower Upper

43 100

58 37.6 0.0 73.8



#14

Carbon disulfide

Concen: 3.152 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU051826.D

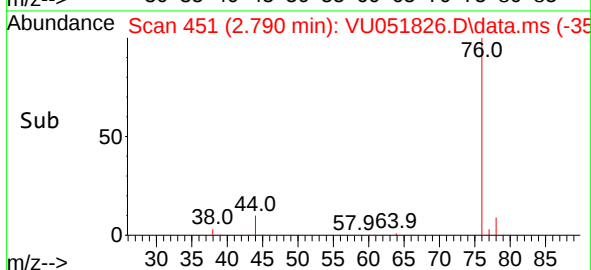
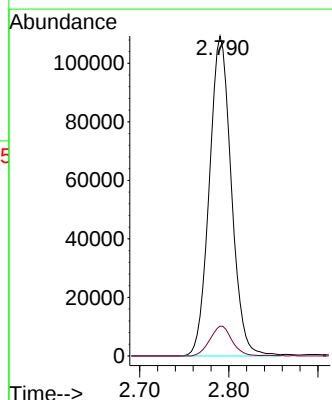
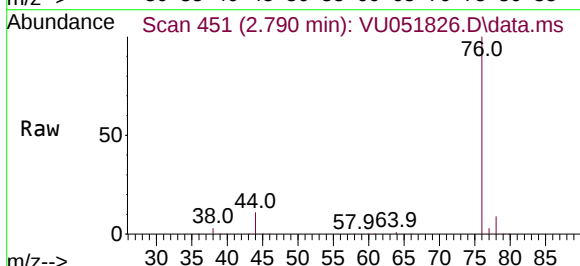
Acq: 11 Nov 2022 19:48

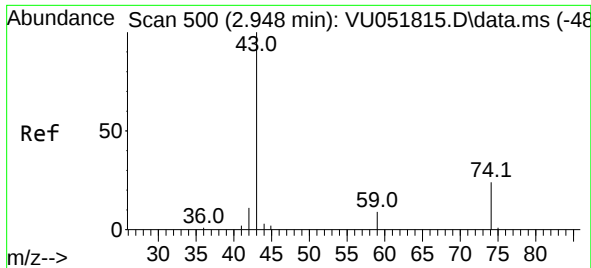
Tgt Ion: 76 Resp: 187370

Ion Ratio Lower Upper

76 100

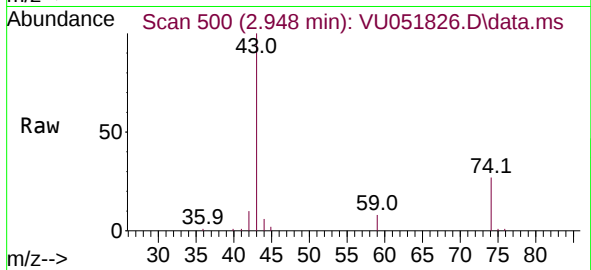
78 9.3 7.4 11.2



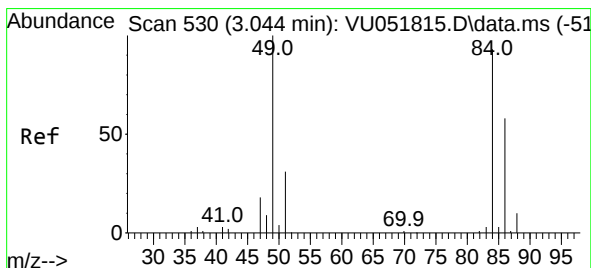
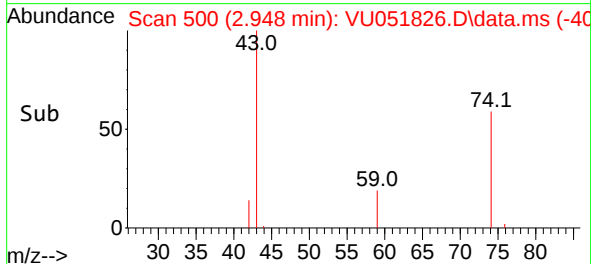
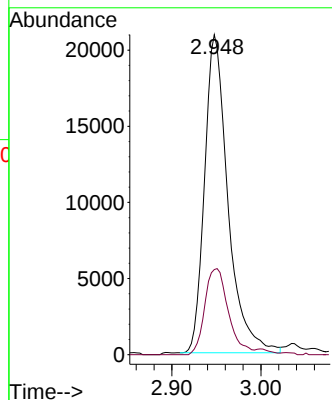


#15  
Methyl Acetate  
Concen: 4.966 ug/L  
RT: 2.948 min Scan# 500  
Delta R.T. 0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Instrument :  
MSVOA\_U  
ClientSampleId :

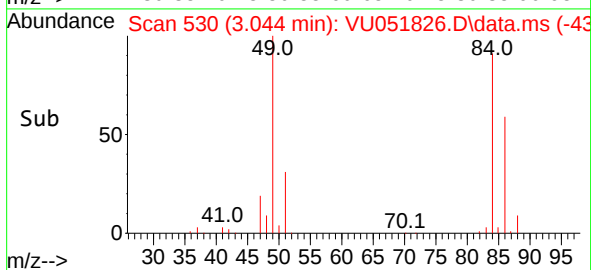
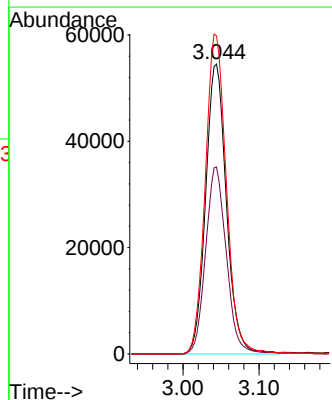
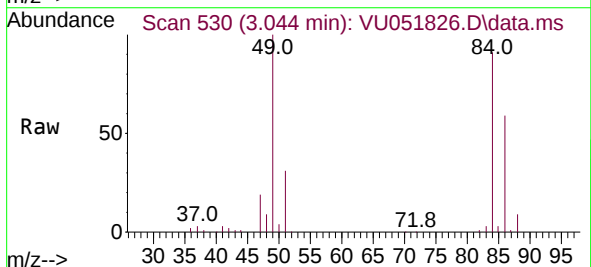


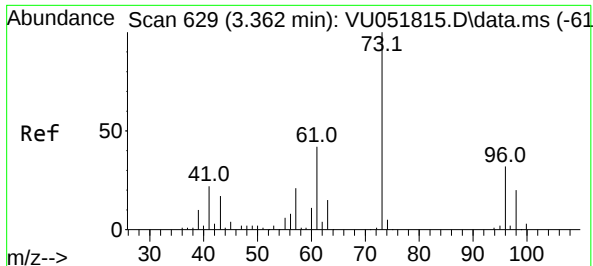
Tgt Ion: 43 Resp: 38164  
Ion Ratio Lower Upper  
43 100  
74 27.2 20.2 30.4



#16  
Methylene chloride  
Concen: 3.431 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

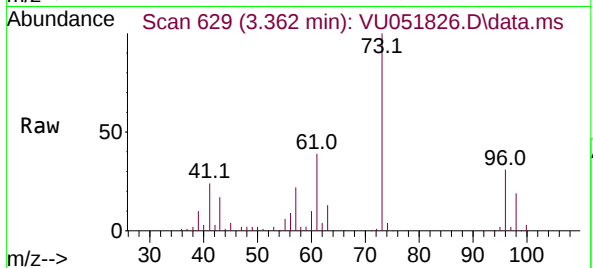
Tgt Ion: 84 Resp: 103618  
Ion Ratio Lower Upper  
84 100  
86 64.5 46.3 85.9  
49 109.7 76.0 141.2



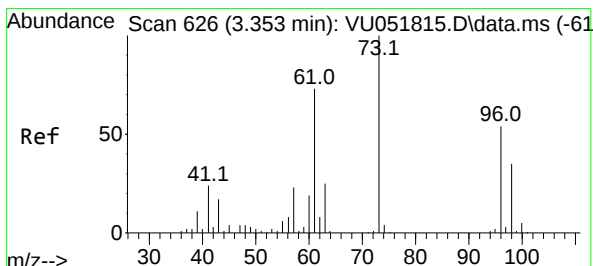
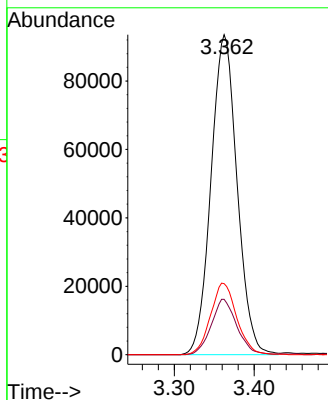
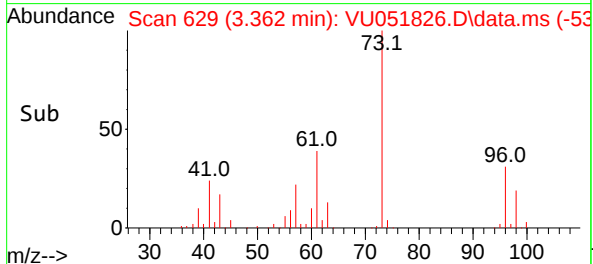


#17  
Methyl tert-butyl Ether  
Concen: 5.008 ug/L  
RT: 3.362 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

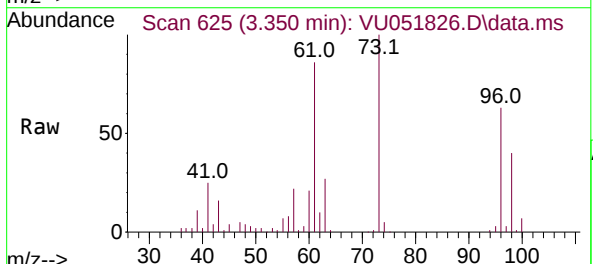
Instrument :  
MSVOA\_U  
ClientSampleId :



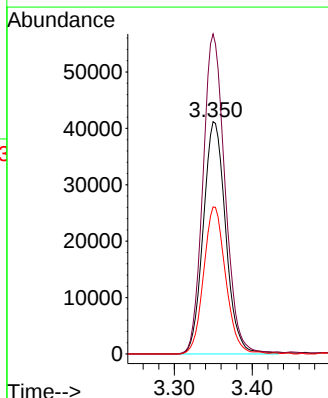
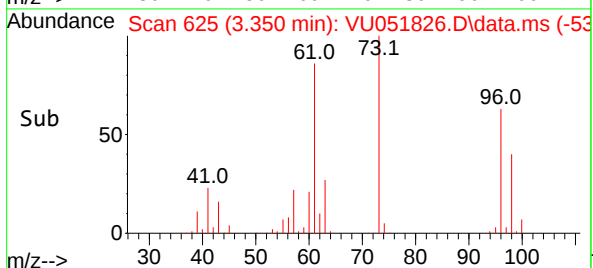
Tgt Ion: 73 Resp: 211766  
Ion Ratio Lower Upper  
73 100  
43 17.1 13.6 20.4  
57 22.4 17.5 26.3

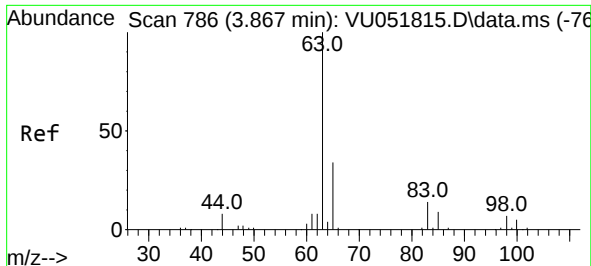


#18  
trans-1,2-Dichloroethene  
Concen: 4.165 ug/L  
RT: 3.350 min Scan# 625  
Delta R.T. -0.003 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48



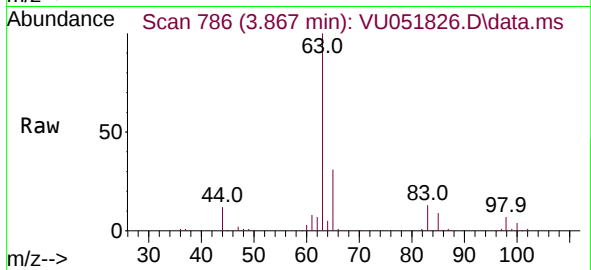
Tgt Ion: 96 Resp: 82435  
Ion Ratio Lower Upper  
96 100  
61 137.7 94.7 175.9  
98 63.3 44.2 82.0



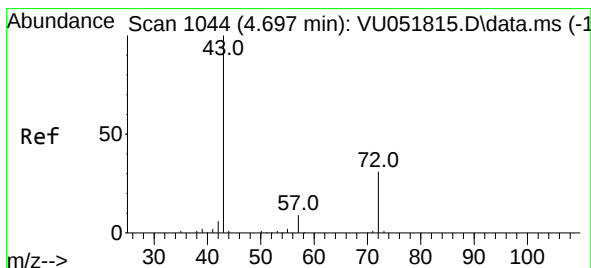
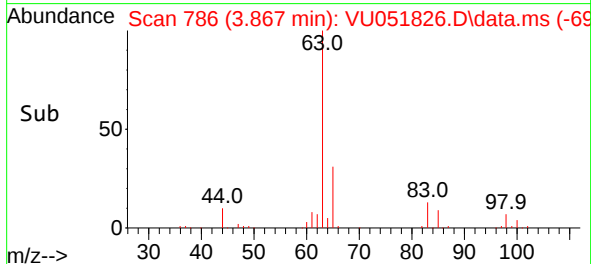
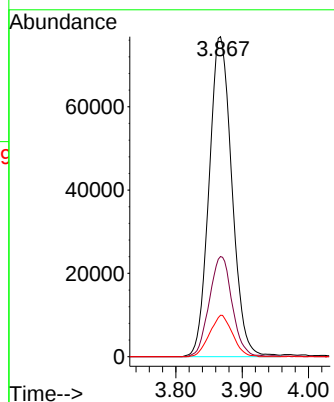


#19  
1,1-Dichloroethane  
Concen: 5.024 ug/L  
RT: 3.867 min Scan# 786  
Delta R.T. 0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Instrument :  
MSVOA\_U  
ClientSampleId :

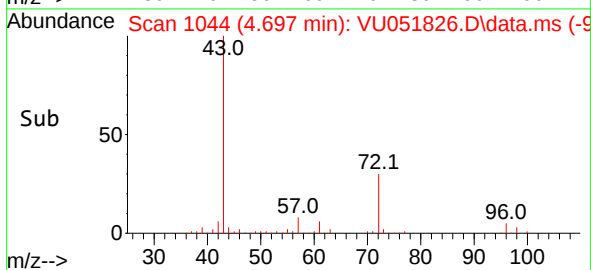
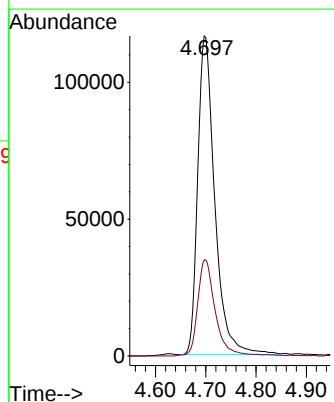
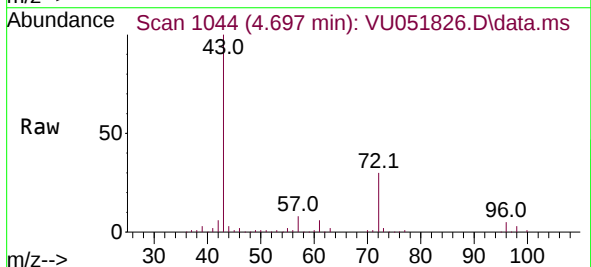


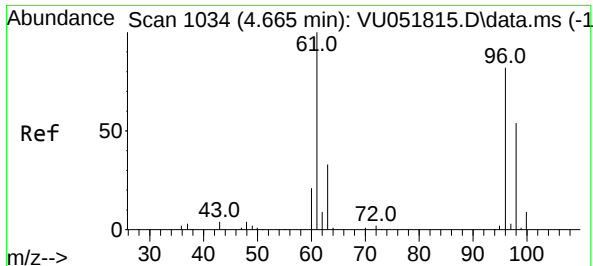
Tgt Ion: 63 Resp: 183390  
Ion Ratio Lower Upper  
63 100  
65 31.3 22.7 42.1  
83 12.9 9.2 17.0



#21  
2-Butanone  
Concen: 59.819 ug/L  
RT: 4.697 min Scan# 1044  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

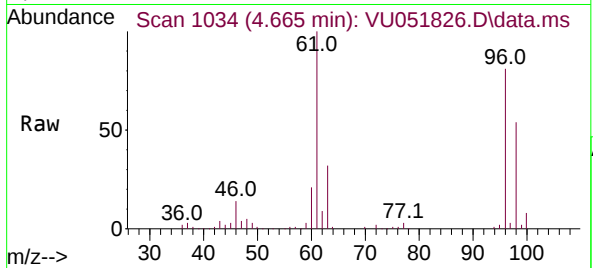
Tgt Ion: 43 Resp: 274996  
Ion Ratio Lower Upper  
43 100  
72 30.9 16.2 48.5



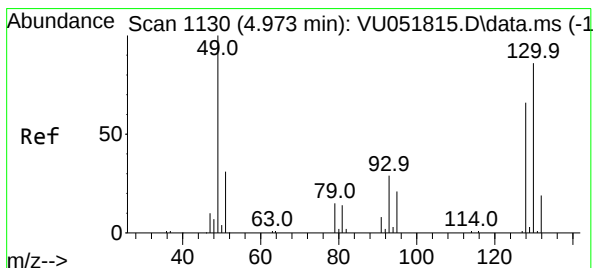
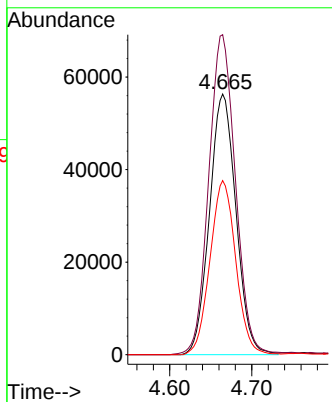
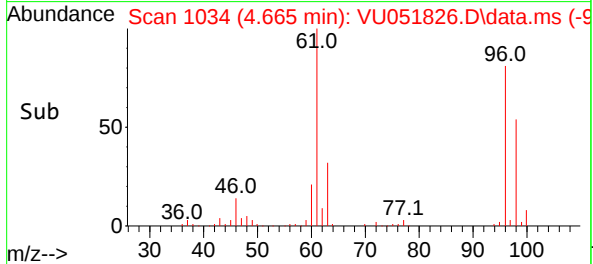


#22  
 cis-1,2-Dichloroethene  
 Concen: 5.785 ug/L  
 RT: 4.665 min Scan# 1034  
 Delta R.T. -0.000 min  
 Lab File: VU051826.D  
 Acq: 11 Nov 2022 19:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :

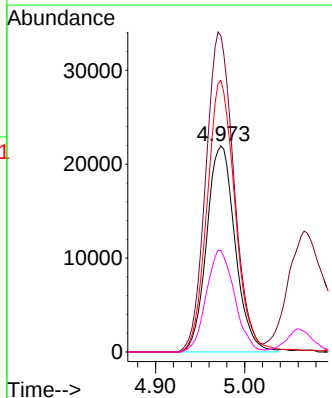
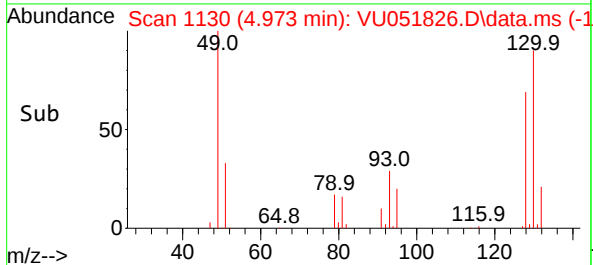
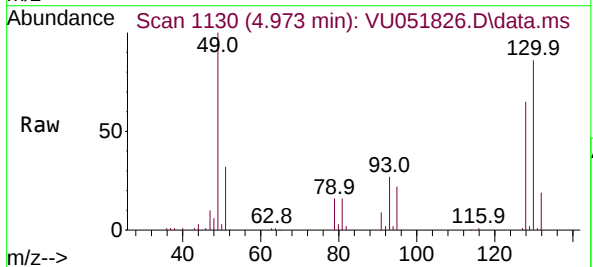


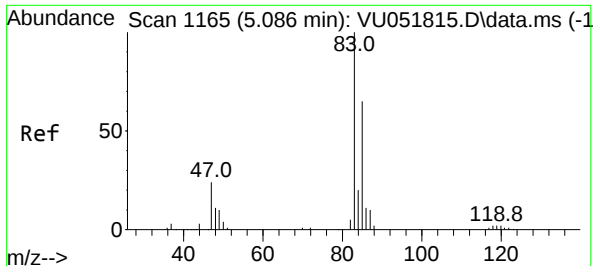
Tgt Ion: 96 Resp: 126685  
 Ion Ratio Lower Upper  
 96 100  
 61 122.7 86.4 160.4  
 98 66.8 44.2 82.2



#23  
 Bromochloromethane  
 Concen: 4.751 ug/L  
 RT: 4.973 min Scan# 1130  
 Delta R.T. -0.000 min  
 Lab File: VU051826.D  
 Acq: 11 Nov 2022 19:48

Tgt Ion: 128 Resp: 48648  
 Ion Ratio Lower Upper  
 128 100  
 49 153.4 105.5 195.9  
 130 131.7 93.5 173.7  
 51 49.2 40.1 60.1





#25

Chloroform

Concen: 5.219 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

Instrument :

MSVOA\_U

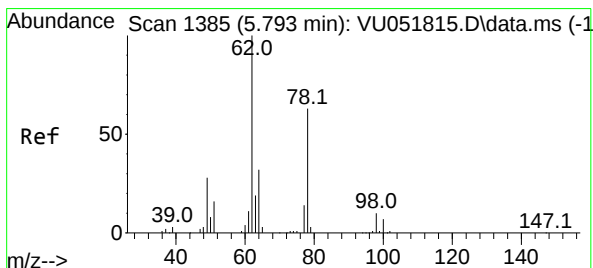
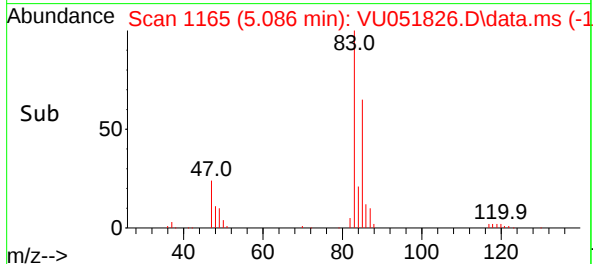
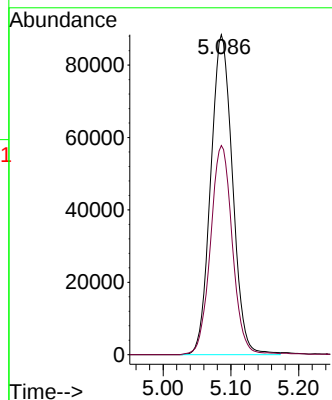
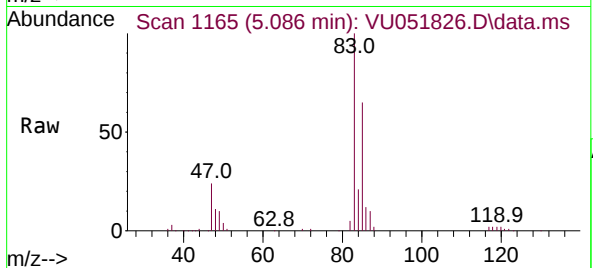
ClientSampleId :

Tgt Ion: 83 Resp: 197644

Ion Ratio Lower Upper

83 100

85 65.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 4.762 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU051826.D

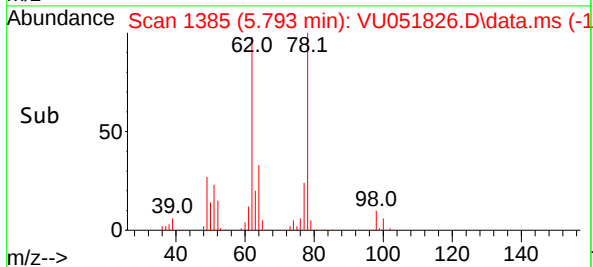
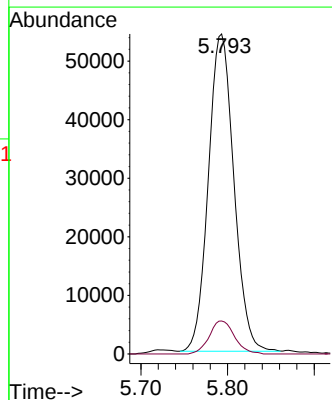
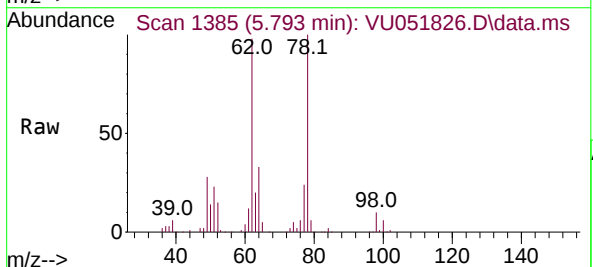
Acq: 11 Nov 2022 19:48

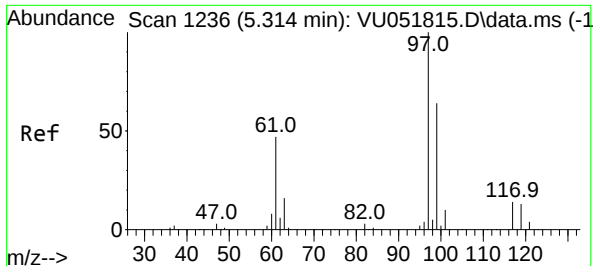
Tgt Ion: 62 Resp: 110984

Ion Ratio Lower Upper

62 100

98 10.3 7.4 11.0

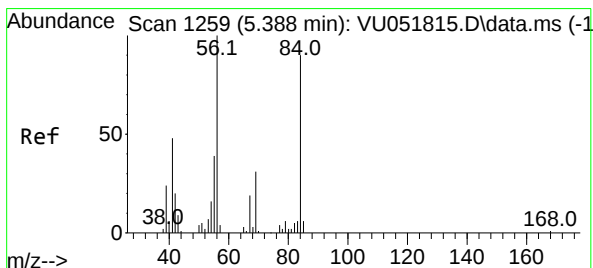
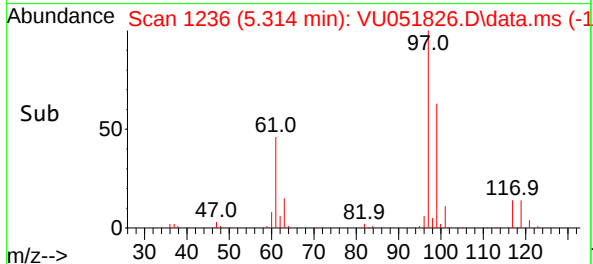
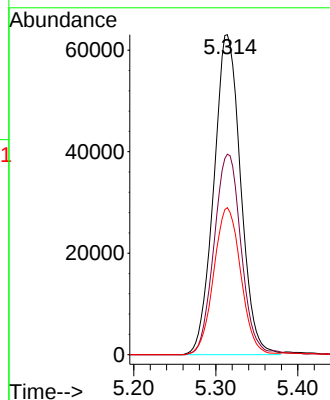
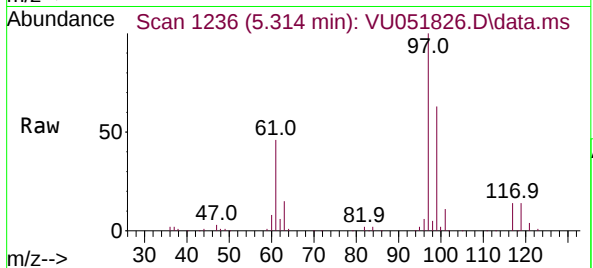




#29  
1,1,1-Trichloroethane  
Concen: 5.015 ug/L  
RT: 5.314 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

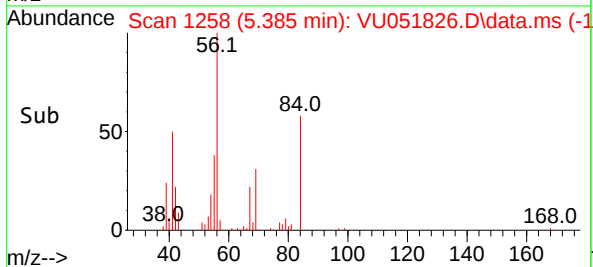
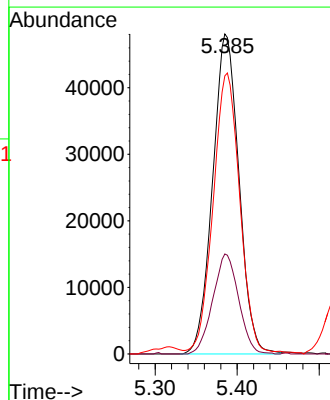
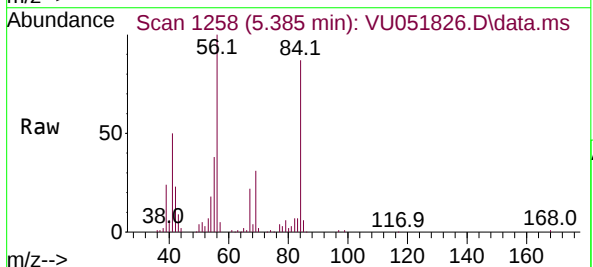
Instrument :  
MSVOA\_U  
ClientSampleId :

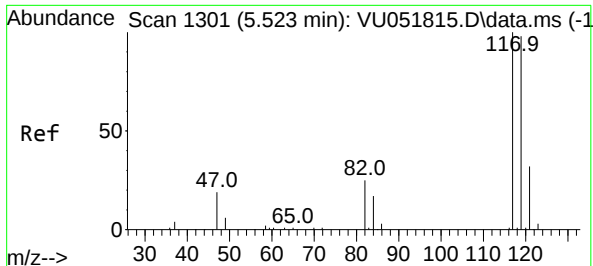
Tgt Ion: 97 Resp: 143559  
Ion Ratio Lower Upper  
97 100  
99 63.6 51.1 76.7  
61 46.4 37.4 56.0



#30  
Cyclohexane  
Concen: 4.063 ug/L  
RT: 5.385 min Scan# 1258  
Delta R.T. -0.003 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Tgt Ion: 56 Resp: 107099  
Ion Ratio Lower Upper  
56 100  
69 30.7 25.4 38.0  
84 87.5 71.4 107.0

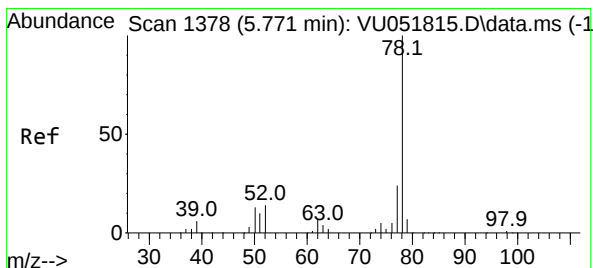
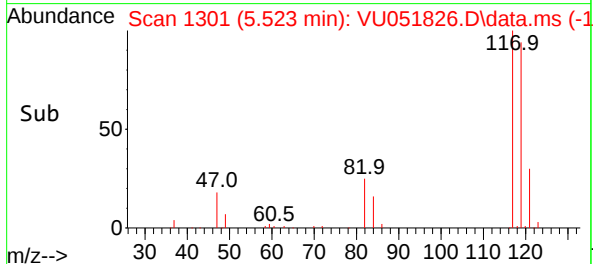
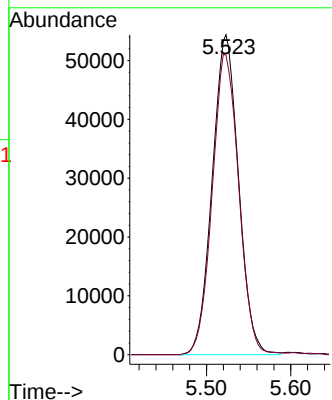
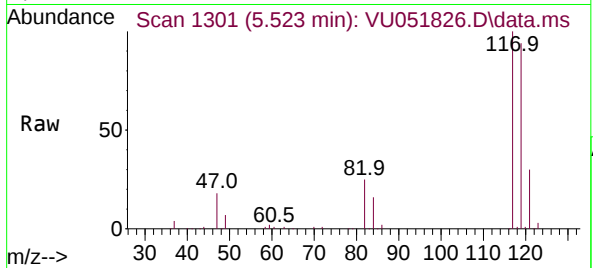




#31  
Carbon tetrachloride  
Concen: 4.811 ug/L  
RT: 5.523 min Scan# 117790  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

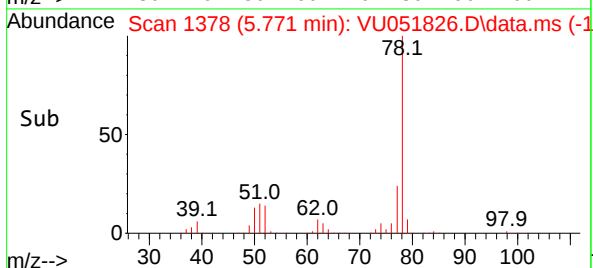
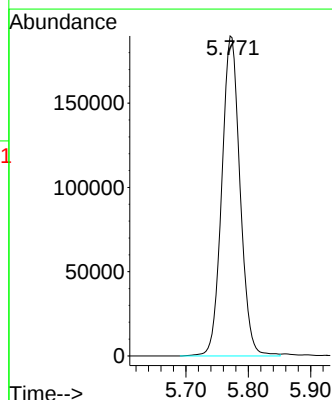
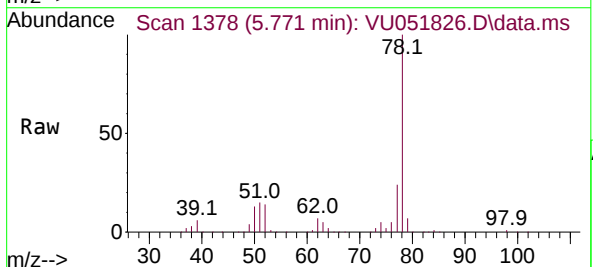
Instrument :  
MSVOA\_U  
ClientSampleId :

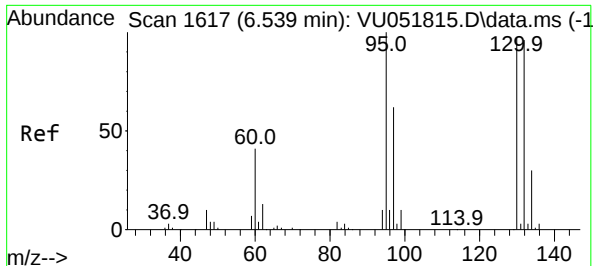
Tgt Ion:117 Resp: 117790  
Ion Ratio Lower Upper  
117 100  
119 94.7 77.5 116.3



#33  
Benzene  
Concen: 4.643 ug/L  
RT: 5.771 min Scan# 1378  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Tgt Ion: 78 Resp: 386314





#34

Trichloroethene

Concen: 22.794 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 95 Resp: 457663

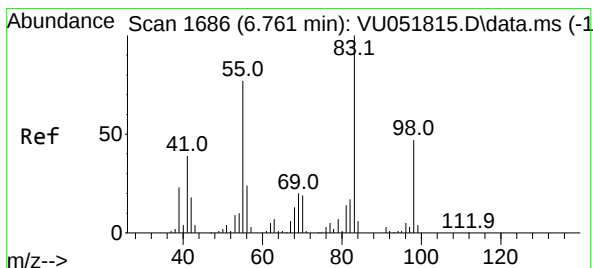
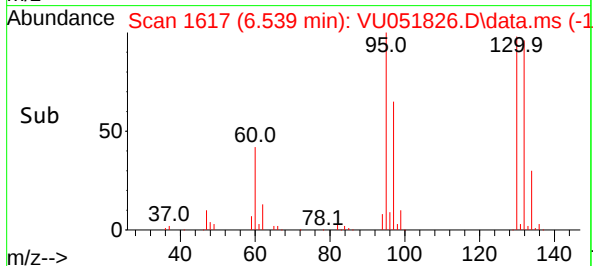
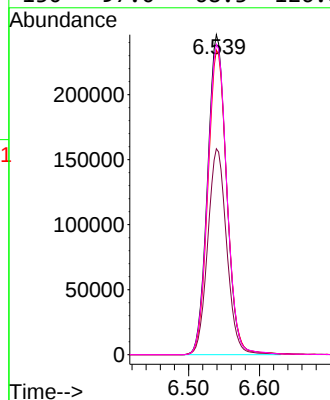
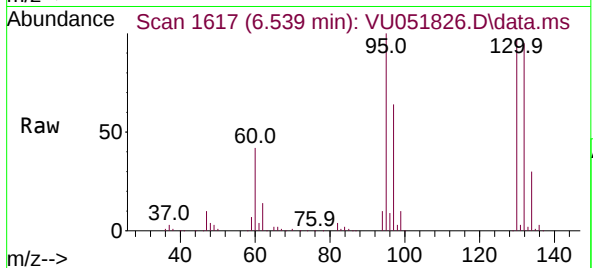
Ion Ratio Lower Upper

95 100

97 64.4 45.2 84.0

132 95.2 66.5 123.5

130 97.0 68.3 126.8



#35

Methylcyclohexane

Concen: 4.222 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

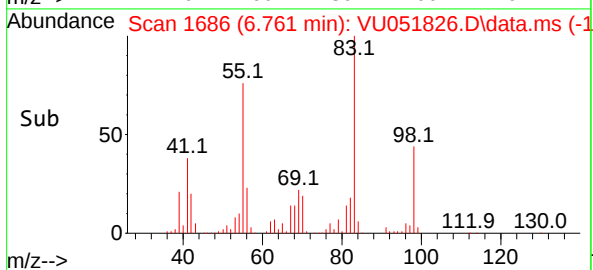
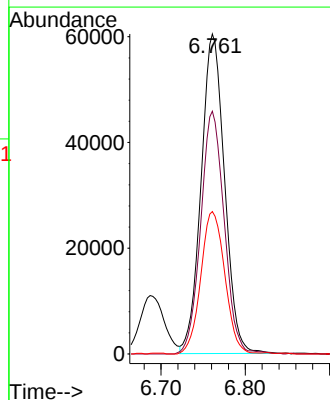
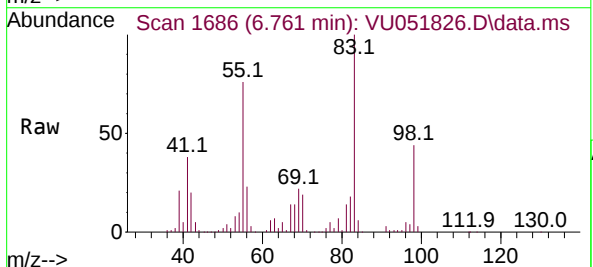
Tgt Ion: 83 Resp: 117210

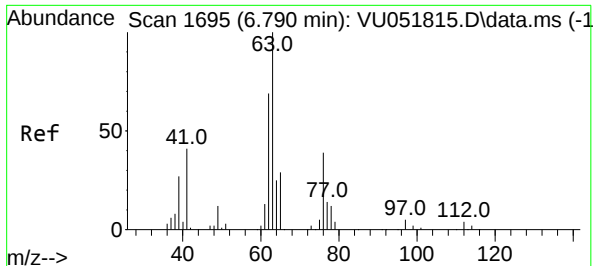
Ion Ratio Lower Upper

83 100

55 76.1 60.6 90.8

98 45.6 35.8 53.6

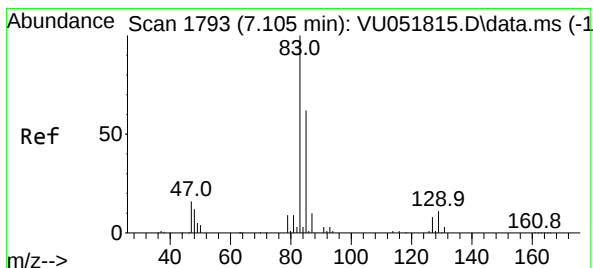
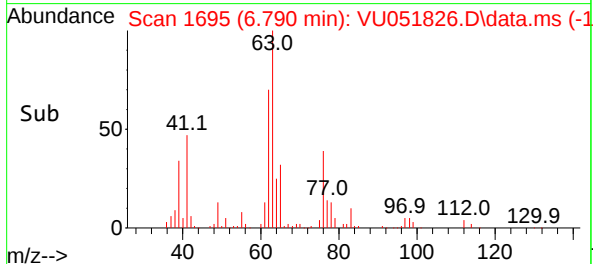
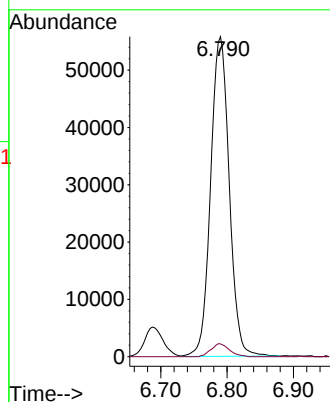
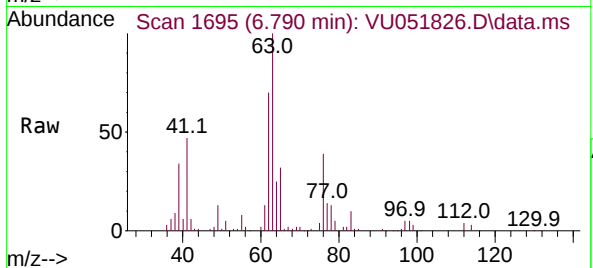




#37  
1,2-Dichloropropane  
Concen: 5.078 ug/L  
RT: 6.790 min Scan# 1695  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

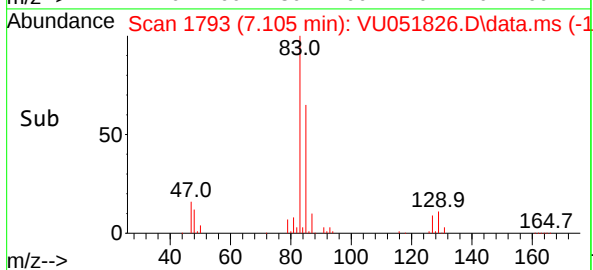
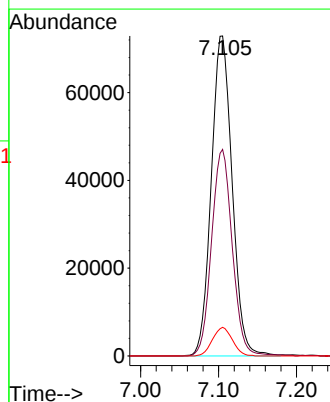
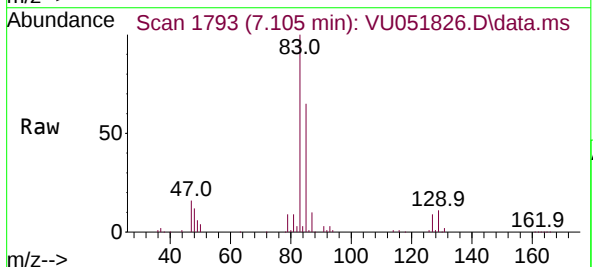
Instrument :  
MSVOA\_U  
ClientSampleId :

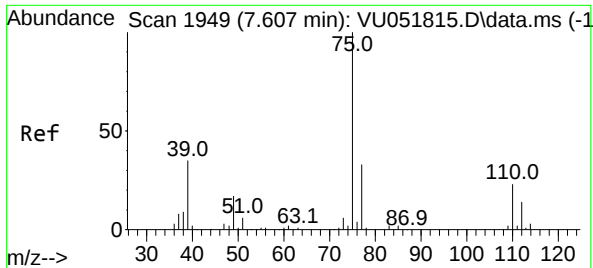
Tgt Ion: 63 Resp: 108673  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.3 4.9



#38  
Bromodichloromethane  
Concen: 5.194 ug/L  
RT: 7.105 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Tgt Ion: 83 Resp: 135756  
Ion Ratio Lower Upper  
83 100  
85 64.6 45.1 83.7  
127 8.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.839 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

Instrument :

MSVOA\_U

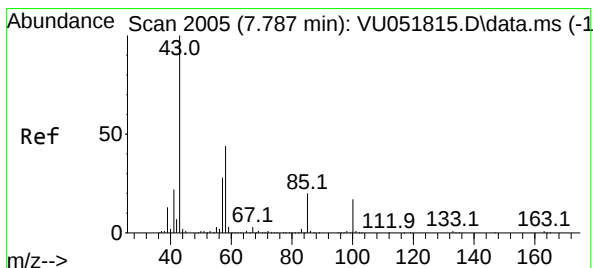
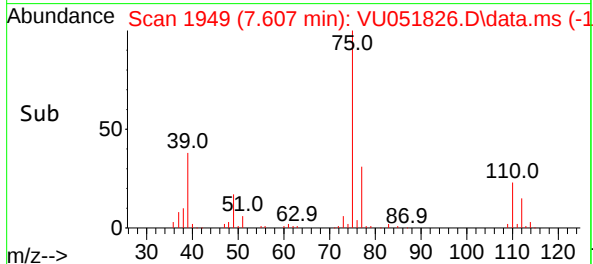
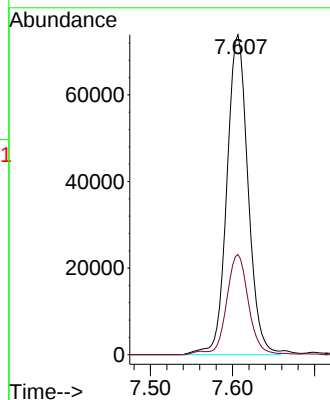
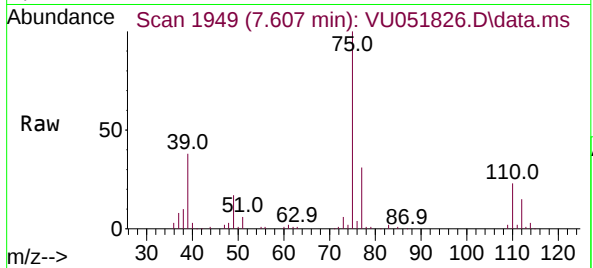
ClientSampleId :

Tgt Ion: 75 Resp: 132851

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9



#40

4-Methyl-2-pentanone

Concen: 62.137 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

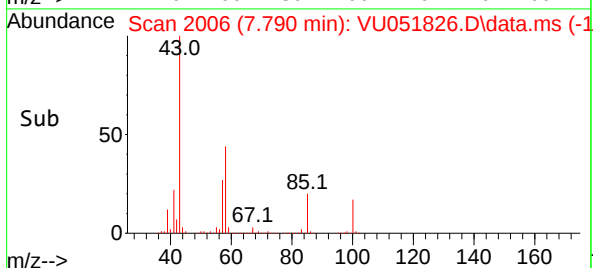
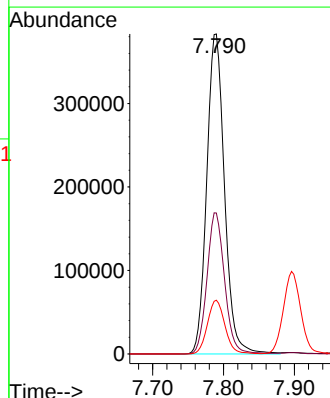
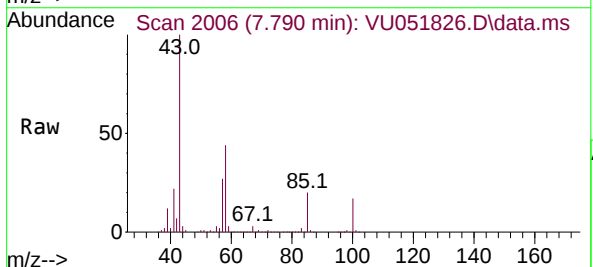
Tgt Ion: 43 Resp: 666933

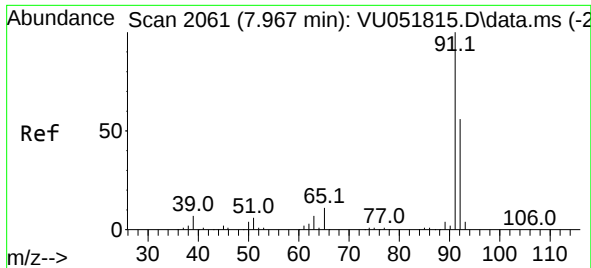
Ion Ratio Lower Upper

43 100

58 43.7 35.0 52.6

100 16.6 13.4 20.0





#42

Toluene

Concen: 4.788 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

Instrument :

MSVOA\_U

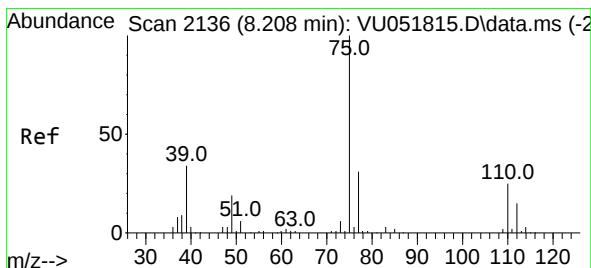
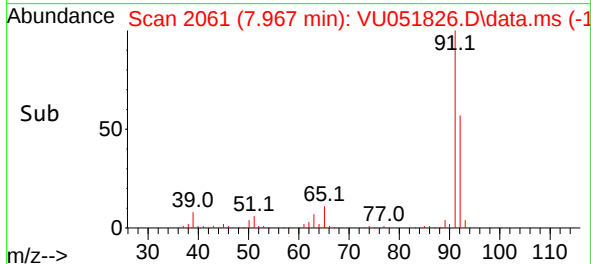
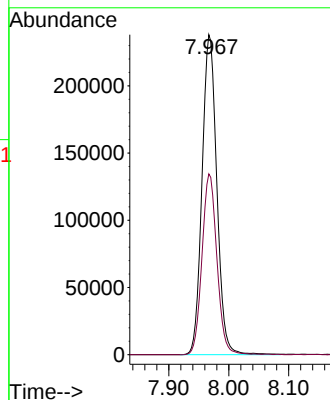
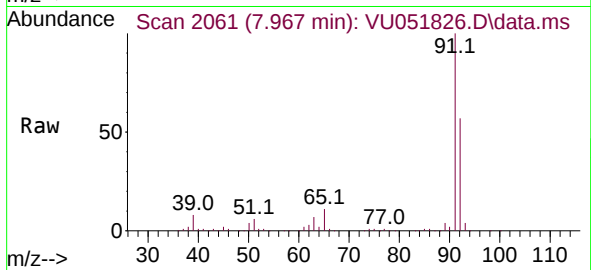
ClientSampleId :

Tgt Ion: 91 Resp: 409077

Ion Ratio Lower Upper

91 100

92 56.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 5.254 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VU051826.D

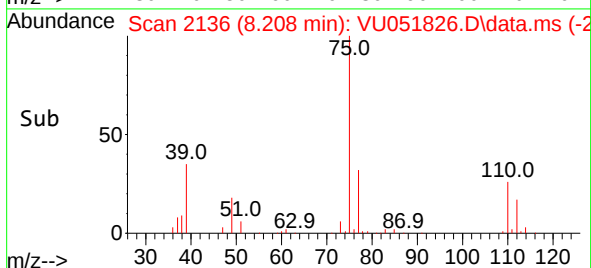
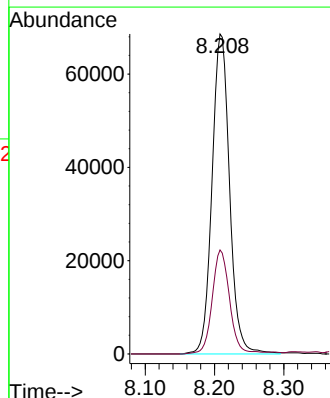
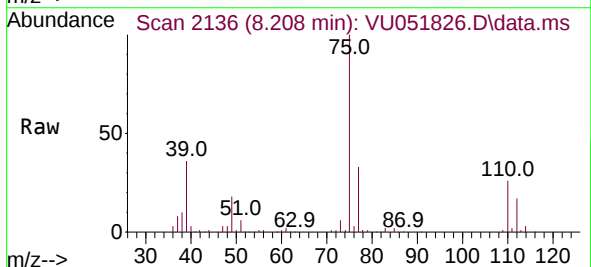
Acq: 11 Nov 2022 19:48

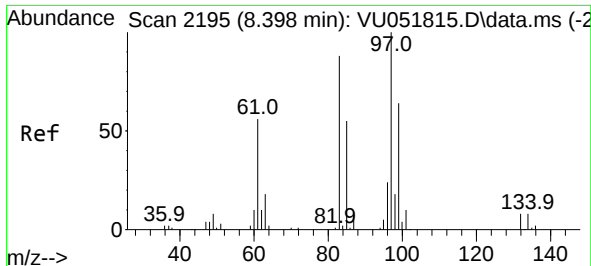
Tgt Ion: 75 Resp: 120538

Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.6

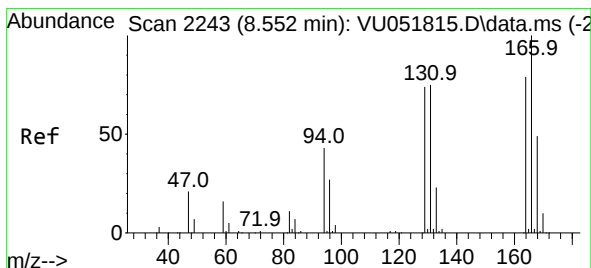
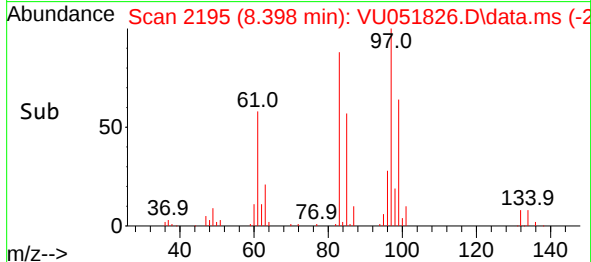
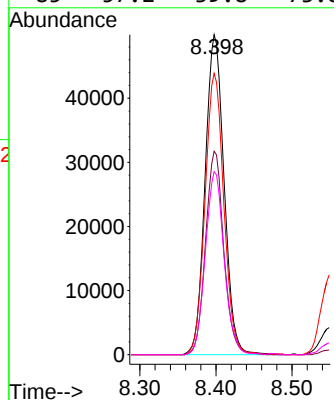
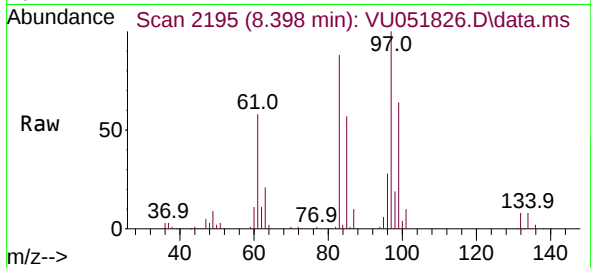




#45  
1,1,2-Trichloroethane  
Concen: 5.506 ug/L  
RT: 8.398 min Scan# 2195  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

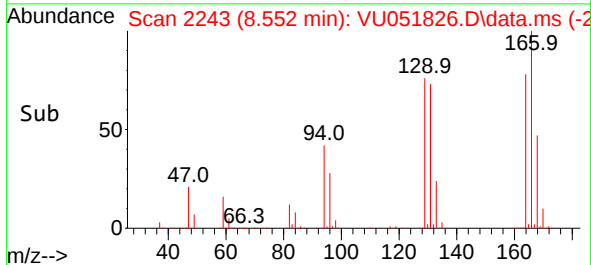
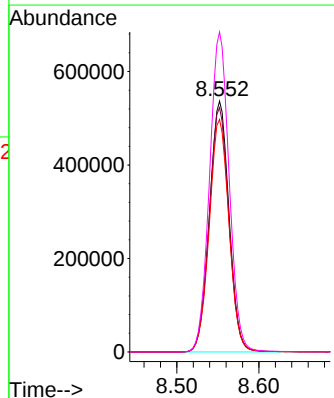
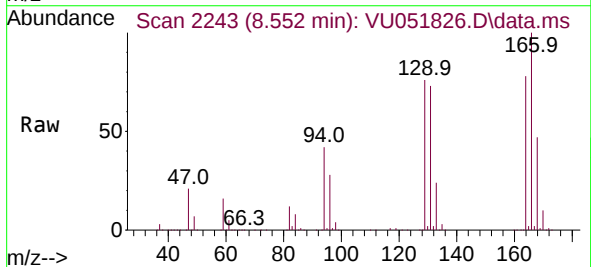
Instrument :  
MSVOA\_U  
ClientSampleId :

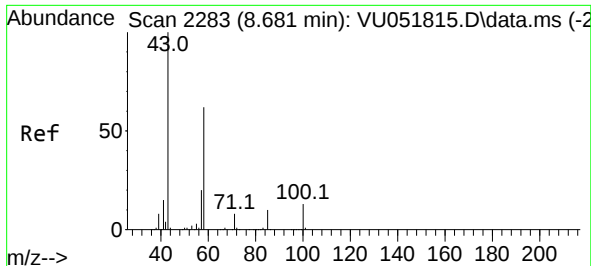
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 86345 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.5  | 43.4  | 80.6  |
| 83       | 87.9  | 61.3  | 113.9 |
| 85       | 57.2  | 39.8  | 73.8  |



#47  
Tetrachloroethene  
Concen: 58.235 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 895485 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 97.4  | 64.0  | 118.8  |
| 131      | 92.7  | 60.7  | 112.7  |
| 166      | 127.5 | 86.8  | 161.2  |



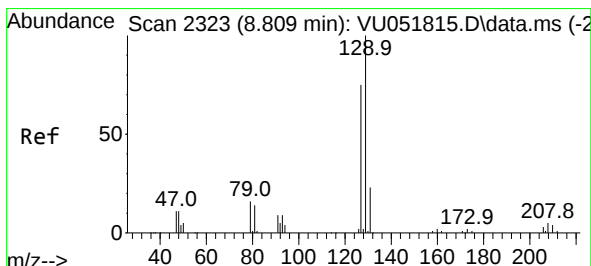
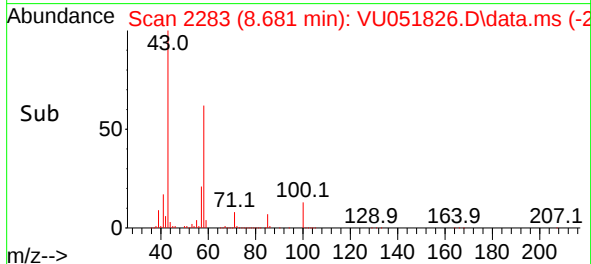
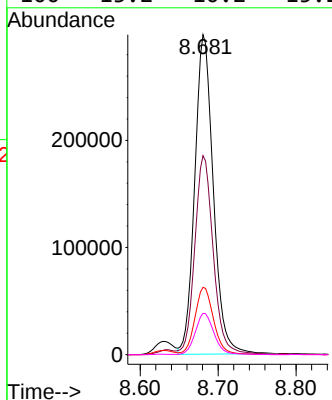
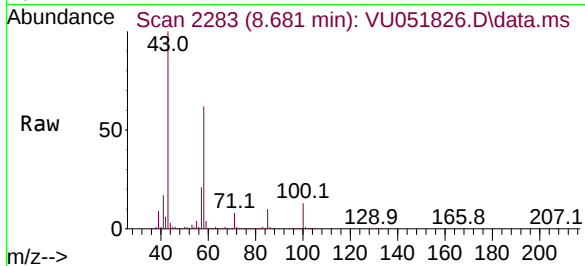


#48  
2-Hexanone  
Concen: 62.203 ug/L  
RT: 8.681 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 43 Resp: 494191

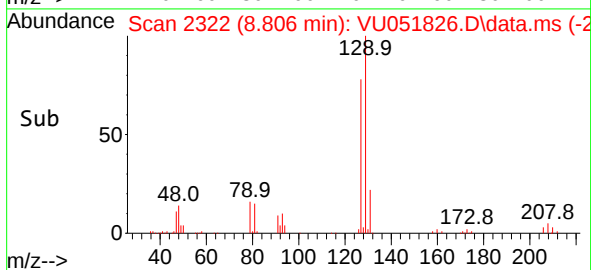
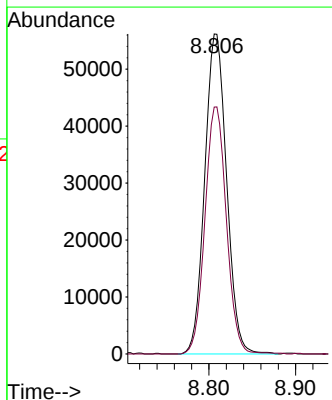
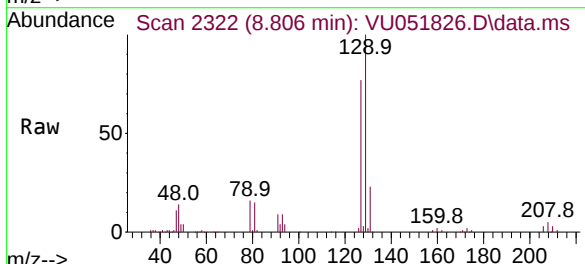
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 61.5  | 48.2  | 72.2  |
| 57  | 21.1  | 16.6  | 25.0  |
| 100 | 13.2  | 10.2  | 15.2  |

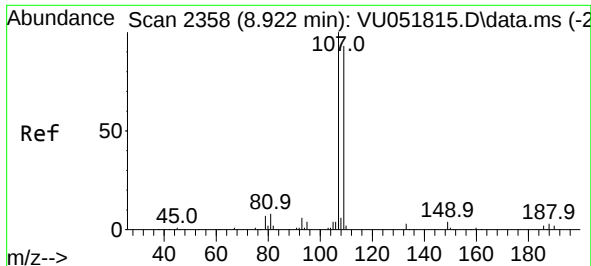


#49  
Dibromochloromethane  
Concen: 5.495 ug/L  
RT: 8.806 min Scan# 2322  
Delta R.T. -0.003 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Tgt Ion: 129 Resp: 98444

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 77.1  | 54.8  | 101.8 |





#50

1,2-Dibromoethane

Concen: 5.363 ug/L

RT: 8.922 min Scan# 21

Delta R.T. -0.000 min MSVOA\_U

Lab File: VU051826.D

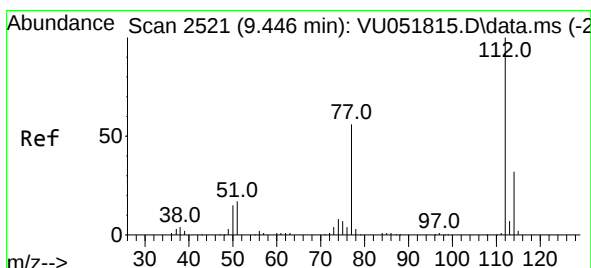
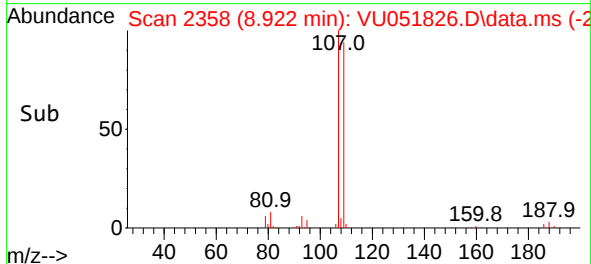
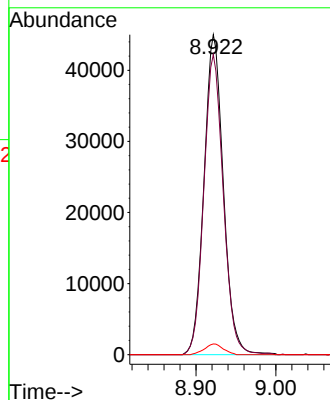
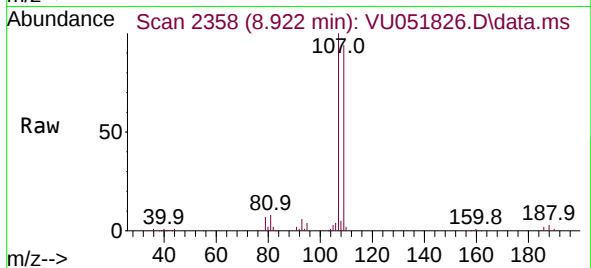
Acq: 11 Nov 2022 19:48

Instrument :

MSVOA\_U

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 75871 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 93.8  | 63.0  | 117.0 |
| 188      | 3.3   | 3.0   | 4.4   |



#51

Chlorobenzene

Concen: 4.917 ug/L

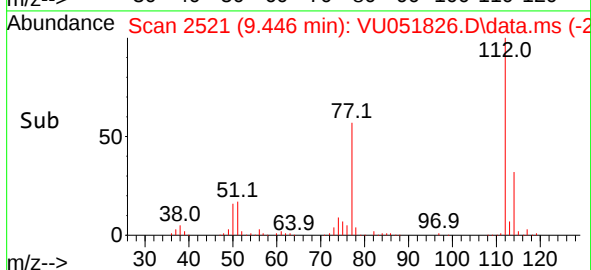
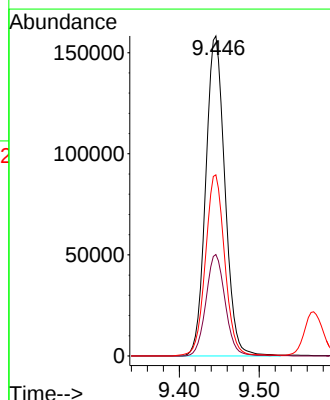
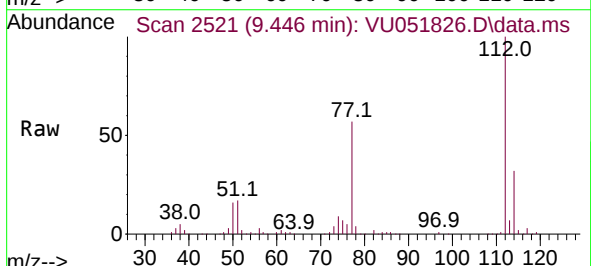
RT: 9.446 min Scan# 2521

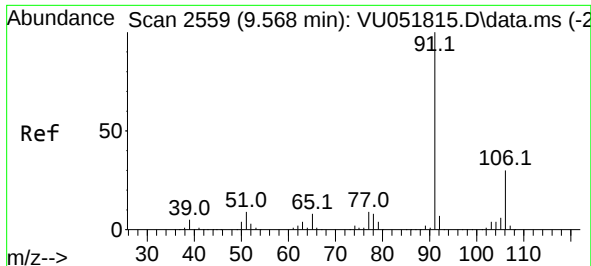
Delta R.T. 0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 264435 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.7  | 22.0  | 40.8   |
| 77       | 56.6  | 46.7  | 70.1   |

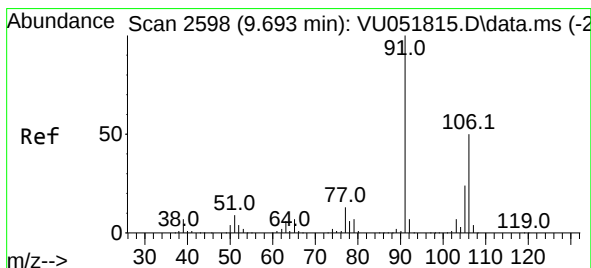
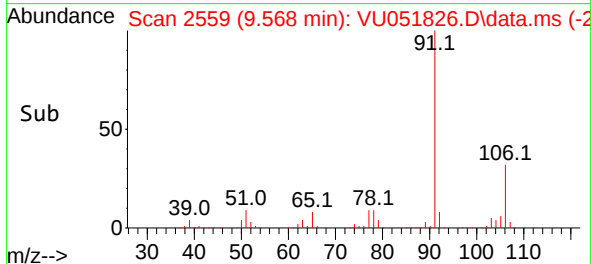
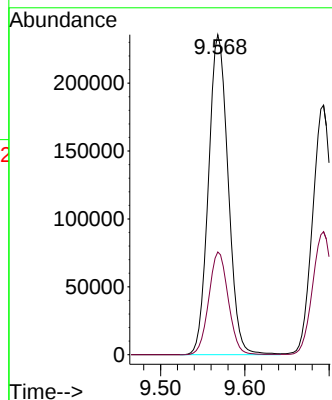
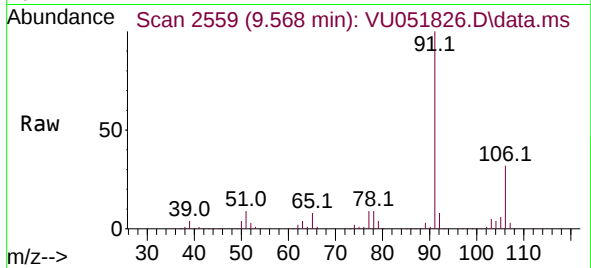




#52  
Ethylbenzene  
Concen: 4.638 ug/L  
RT: 9.568 min Scan# 2559  
Delta R.T. 0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

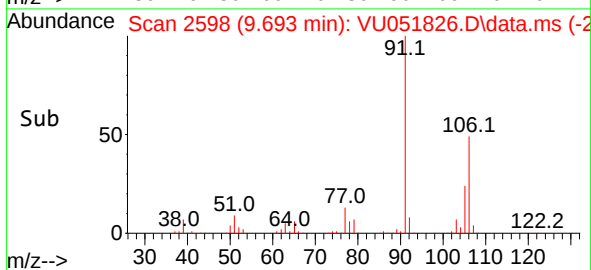
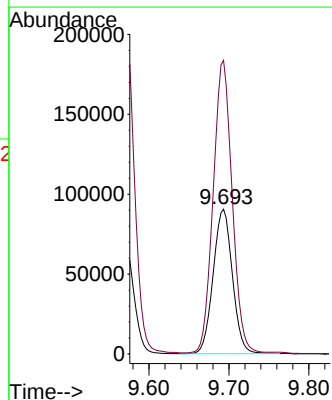
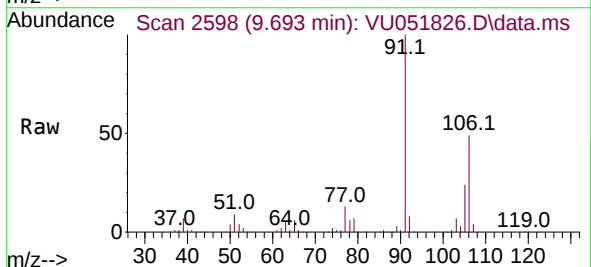
Instrument :  
MSVOA\_U  
ClientSampleId :

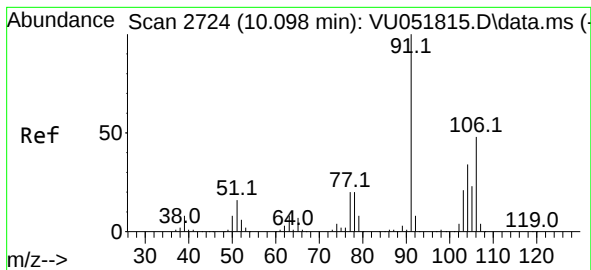
Tgt Ion: 91 Resp: 382384  
Ion Ratio Lower Upper  
91 100  
106 32.1 21.8 40.6



#53  
m,p-Xylene  
Concen: 4.723 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Tgt Ion: 106 Resp: 151247  
Ion Ratio Lower Upper  
106 100  
91 202.7 139.4 259.0





#54

o-Xylene

Concen: 4.795 ug/L

RT: 10.098 min Scan# 2724

Delta R.T. -0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

Instrument :

MSVOA\_U

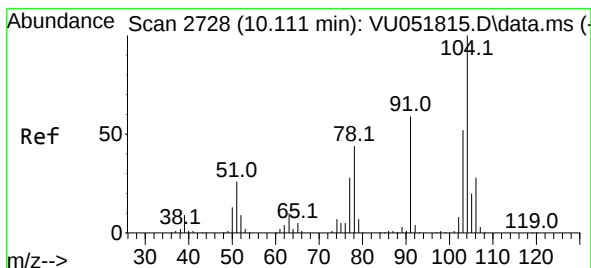
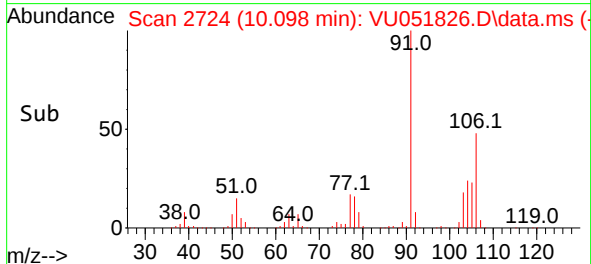
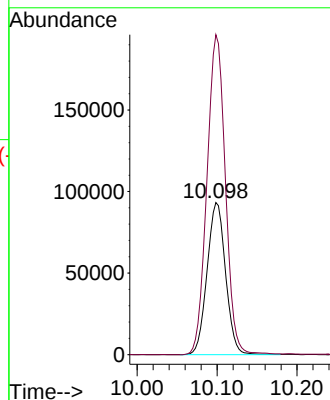
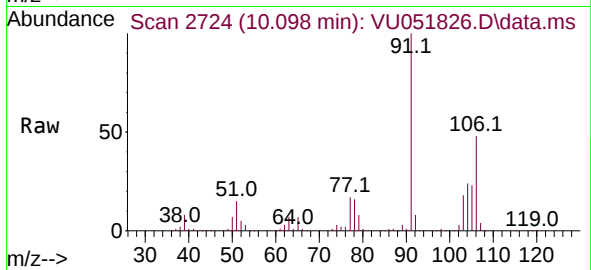
ClientSampleId :

Tgt Ion:106 Resp: 150069

Ion Ratio Lower Upper

106 100

91 210.2 149.2 277.2



#55

Styrene

Concen: 3.768 ug/L

RT: 10.111 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU051826.D

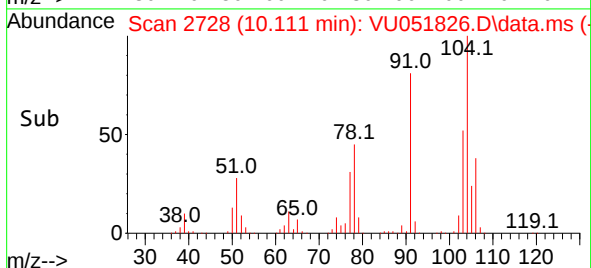
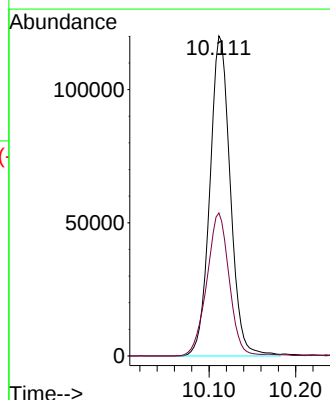
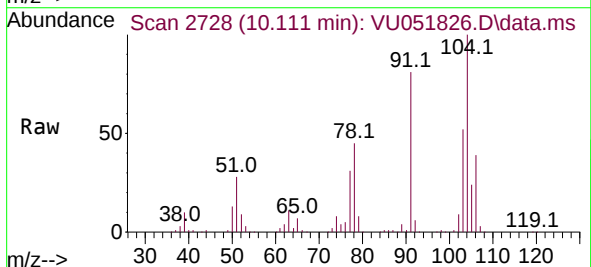
Acq: 11 Nov 2022 19:48

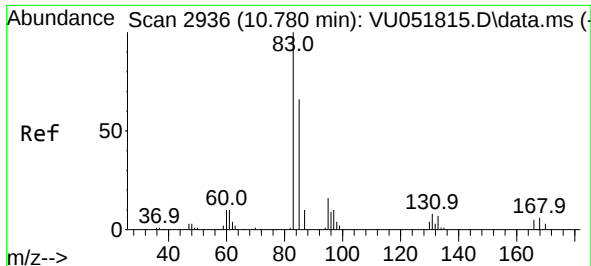
Tgt Ion:104 Resp: 197153

Ion Ratio Lower Upper

104 100

78 44.7 31.8 59.0





#57

1,1,2,2-Tetrachloroethane

Concen: 6.048 ug/L

RT: 10.780 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

Instrument :

MSVOA\_U

ClientSampleId :

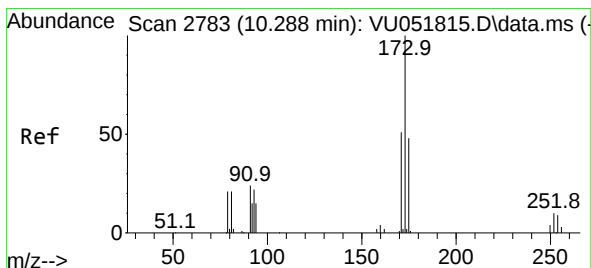
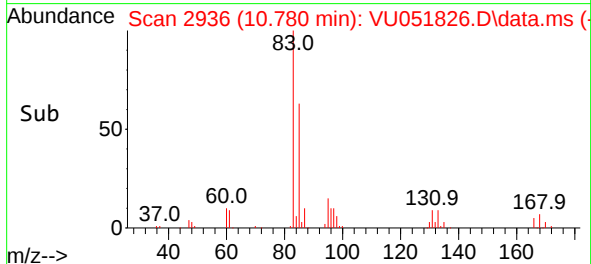
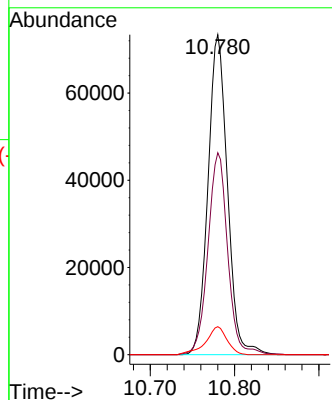
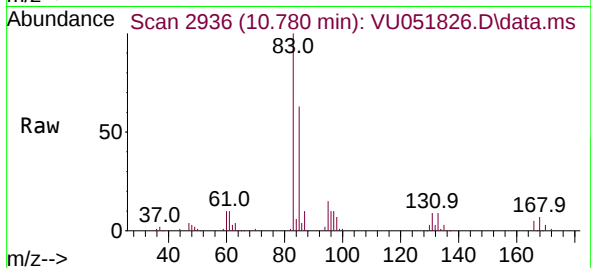
Tgt Ion: 83 Resp: 117597

Ion Ratio Lower Upper

83 100

85 63.1 44.9 83.5

131 8.8 7.8 11.8



#59

Bromoform

Concen: 6.030 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

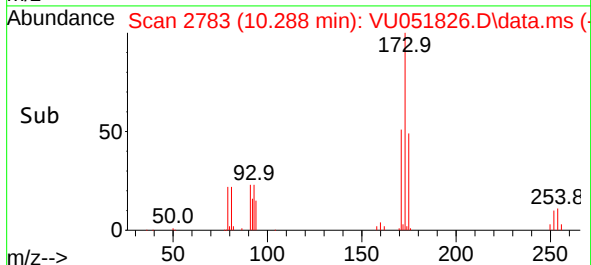
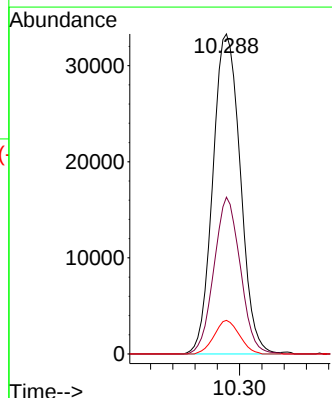
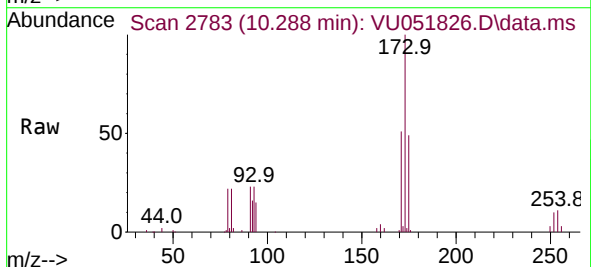
Tgt Ion: 173 Resp: 57020

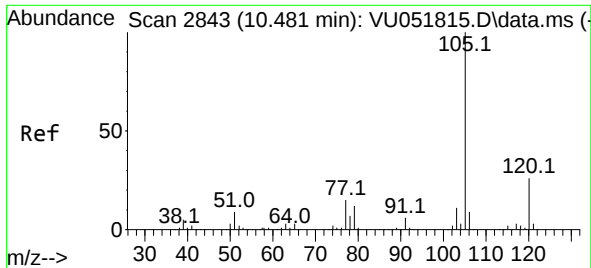
Ion Ratio Lower Upper

173 100

175 47.0 38.7 58.1

254 9.6 7.3 10.9

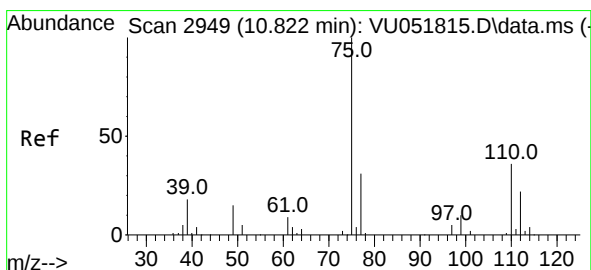
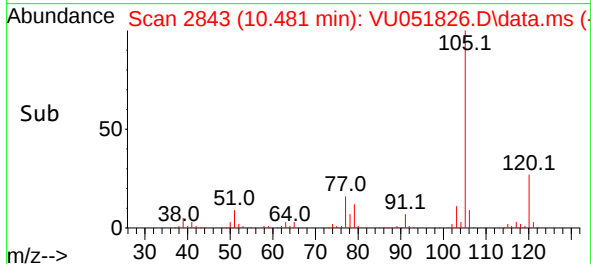
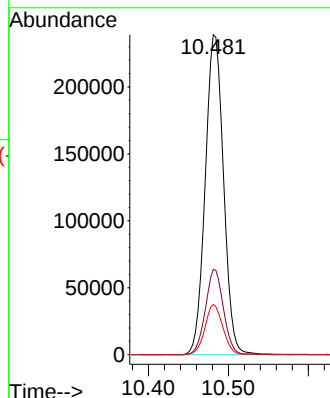
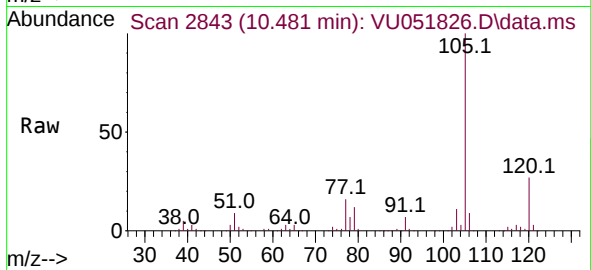




#60  
Isopropylbenzene  
Concen: 5.101 ug/L  
RT: 10.481 min Scan# 2843  
Delta R.T. -0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

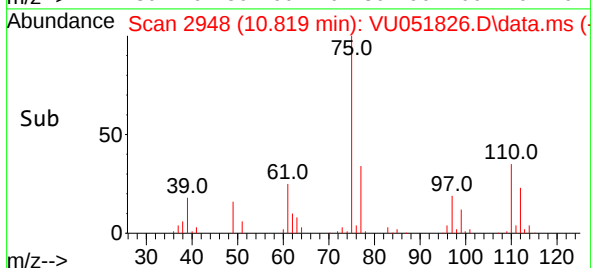
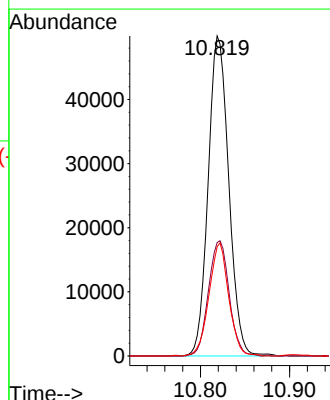
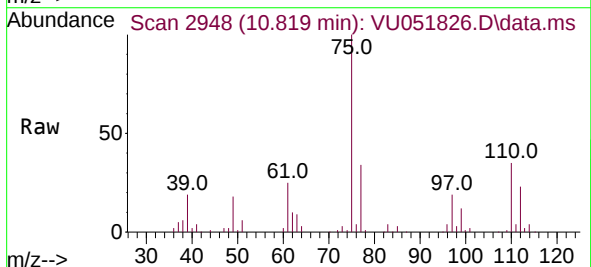
Instrument :  
MSVOA\_U  
ClientSampleId :

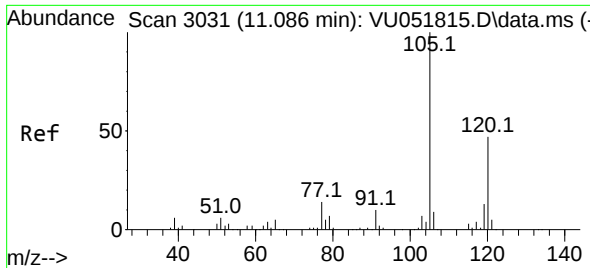
Tgt Ion:105 Resp: 381107  
Ion Ratio Lower Upper  
105 100  
120 26.3 20.9 31.3  
77 15.4 12.3 18.5



#61  
1,2,3-Trichloropropane  
Concen: 6.053 ug/L  
RT: 10.819 min Scan# 2948  
Delta R.T. -0.003 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Tgt Ion: 75 Resp: 80103  
Ion Ratio Lower Upper  
75 100  
110 36.2 28.7 43.1  
77 33.8 26.1 39.1

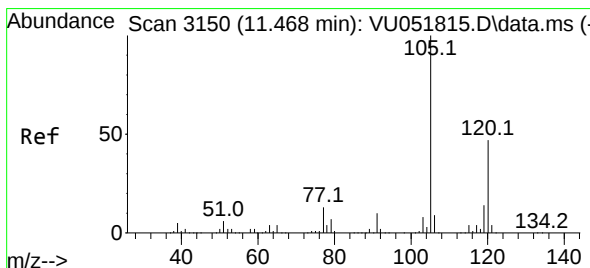
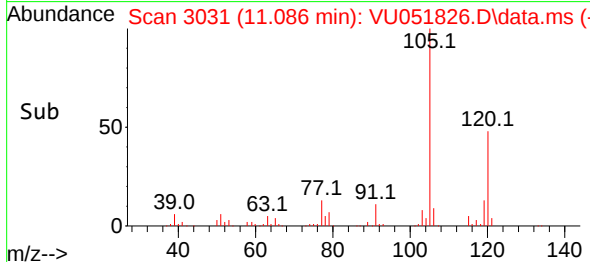
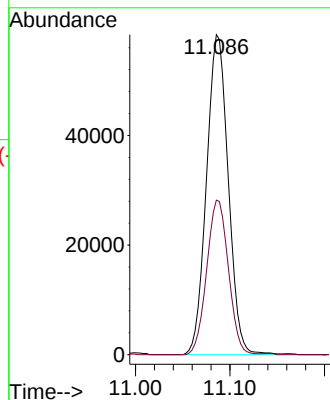
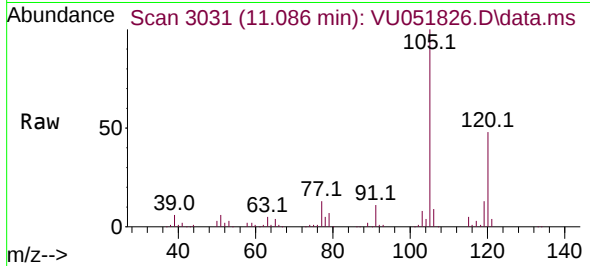




#62  
 1,3,5-Trimethylbenzene  
 Concen: 4.642 ug/L  
 RT: 11.086 min Scan# 3031  
 Delta R.T. -0.000 min  
 Lab File: VU051826.D  
 Acq: 11 Nov 2022 19:48

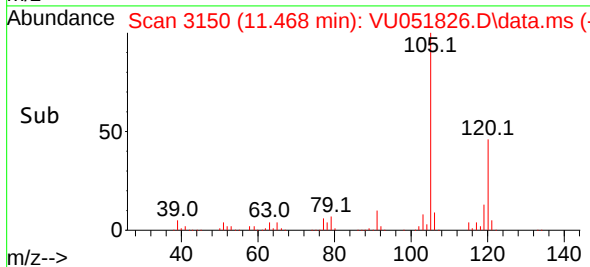
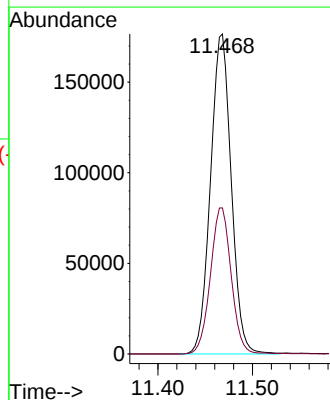
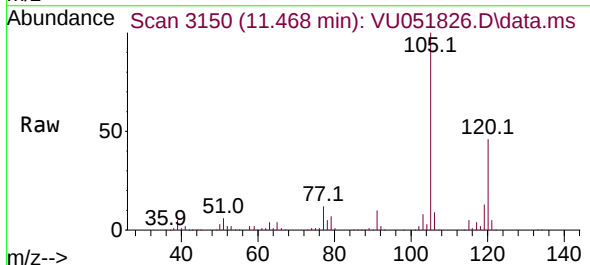
Instrument :  
 MSVOA\_U  
 ClientSampleId :

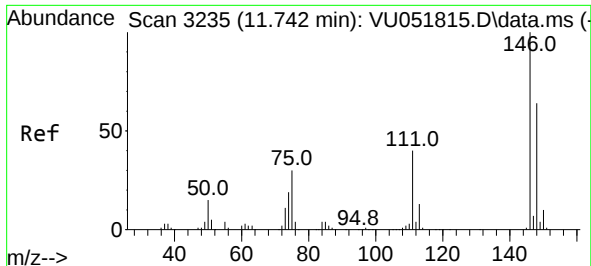
Tgt Ion:105 Resp: 93357  
 Ion Ratio Lower Upper  
 105 100  
 120 48.2 38.6 57.8



#63  
 1,2,4-Trimethylbenzene  
 Concen: 4.637 ug/L  
 RT: 11.468 min Scan# 3150  
 Delta R.T. -0.000 min  
 Lab File: VU051826.D  
 Acq: 11 Nov 2022 19:48

Tgt Ion:105 Resp: 268934  
 Ion Ratio Lower Upper  
 105 100  
 120 45.9 35.8 53.6

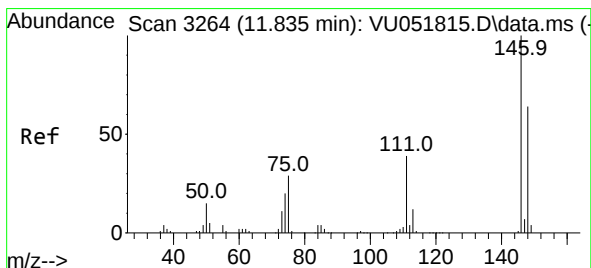
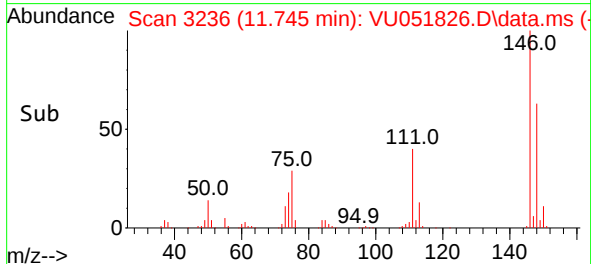
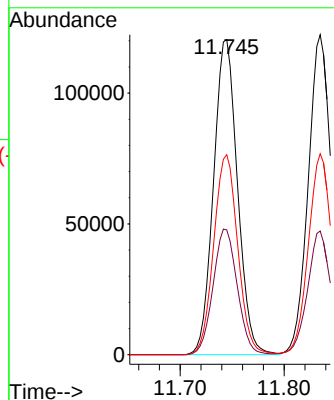
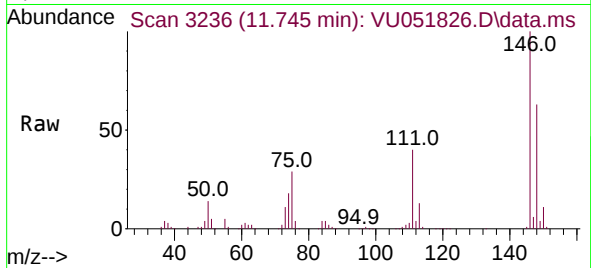




#64  
1,3-Dichlorobenzene  
Concen: 5.194 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

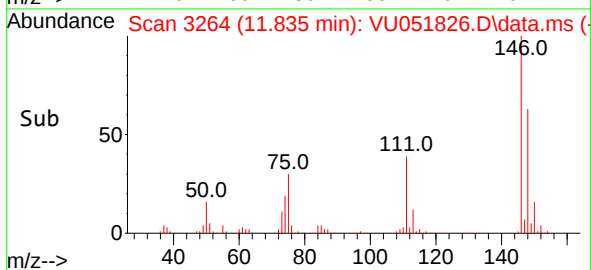
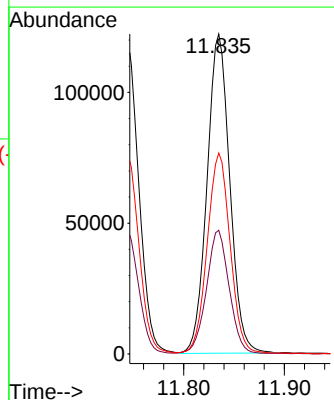
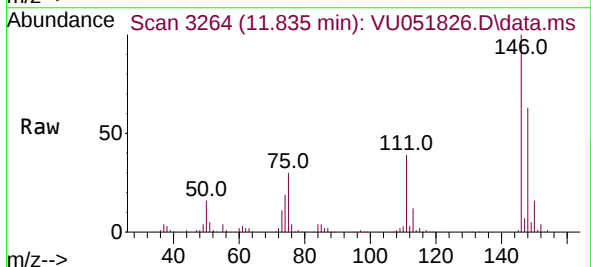
Instrument :  
MSVOA\_U  
ClientSampleId :

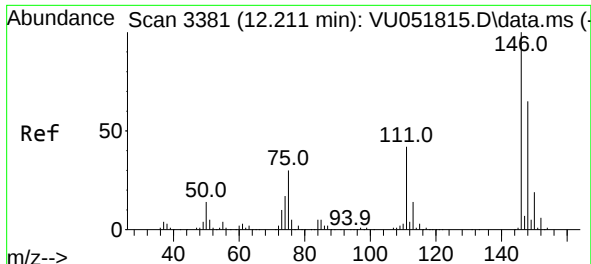
Tgt Ion:146 Resp: 193190  
Ion Ratio Lower Upper  
146 100  
111 39.6 28.6 53.2  
148 63.5 44.7 82.9



#65  
1,4-Dichlorobenzene  
Concen: 5.140 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. 0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Tgt Ion:146 Resp: 191689  
Ion Ratio Lower Upper  
146 100  
111 38.7 26.7 49.5  
148 62.8 43.5 80.9





#67

1,2-Dichlorobenzene

Concen: 5.316 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

Instrument :

MSVOA\_U

ClientSampleId :

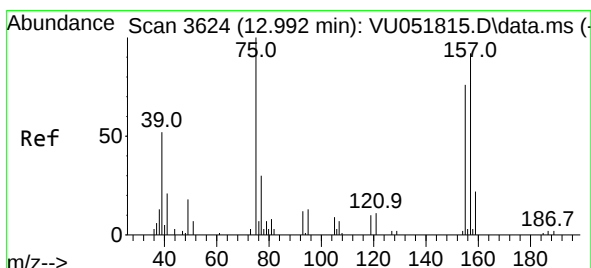
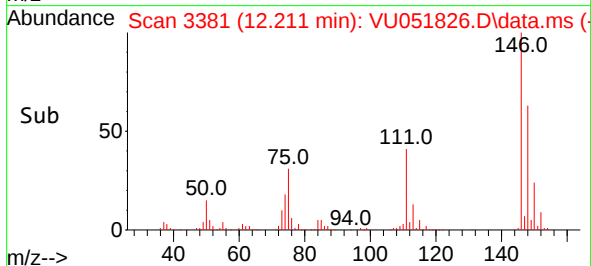
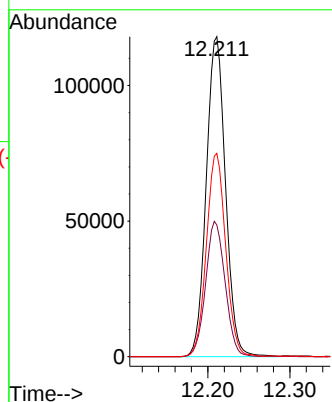
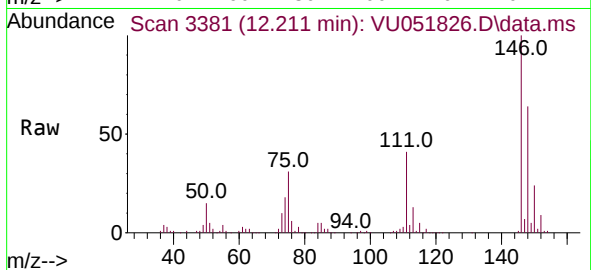
Tgt Ion:146 Resp: 192581

Ion Ratio Lower Upper

146 100

111 41.2 34.2 51.2

148 63.6 50.1 75.1



#68

1,2-Dibromo-3-chloropropane

Concen: 6.276 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU051826.D

Acq: 11 Nov 2022 19:48

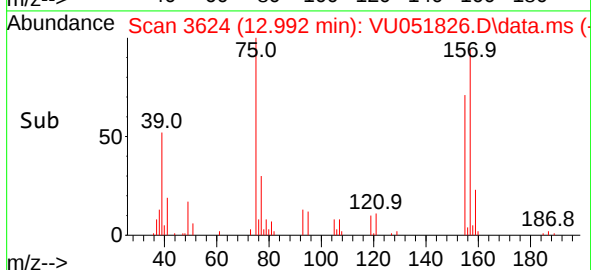
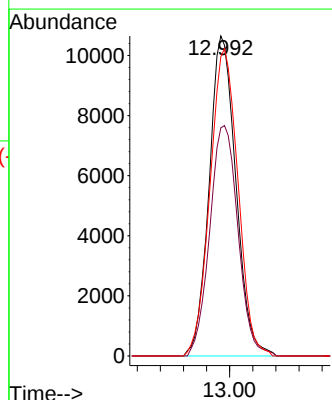
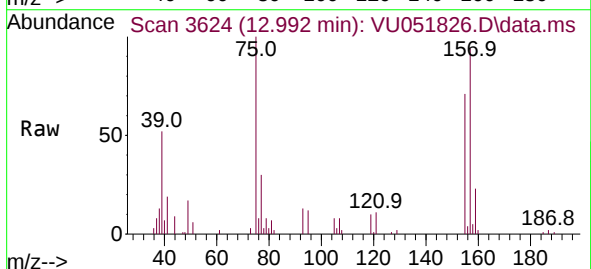
Tgt Ion: 75 Resp: 17101

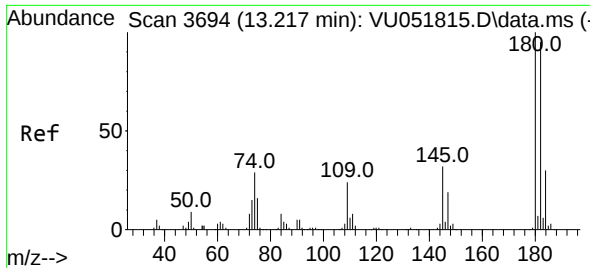
Ion Ratio Lower Upper

75 100

155 71.3 61.4 92.2

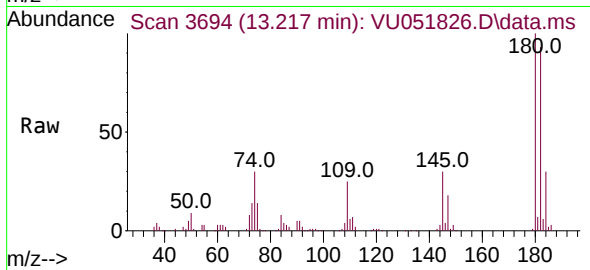
157 93.5 86.7 130.1





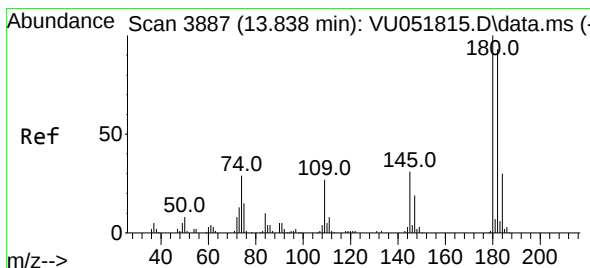
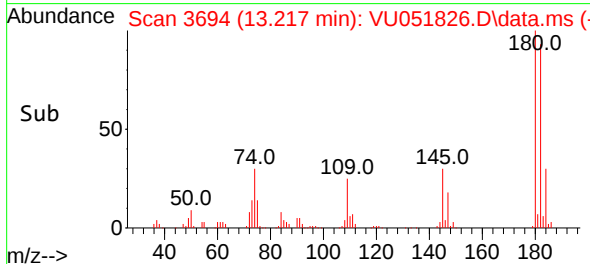
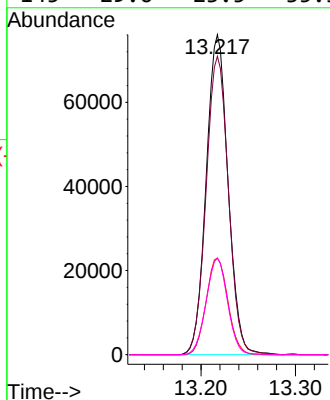
#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.600 ug/L  
 RT: 13.217 min Scan# 3694  
 Delta R.T. 0.000 min  
 Lab File: VU051826.D  
 Acq: 11 Nov 2022 19:48

Instrument :  
 MSVOA\_U  
 ClientSampleId :



Tgt Ion:180 Resp: 121946

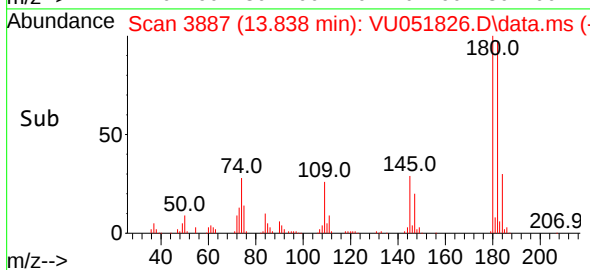
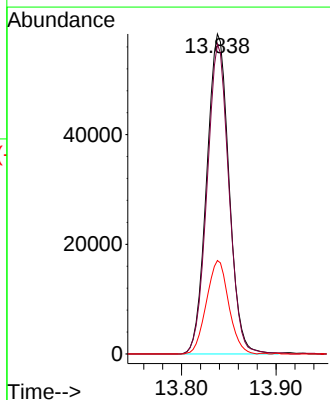
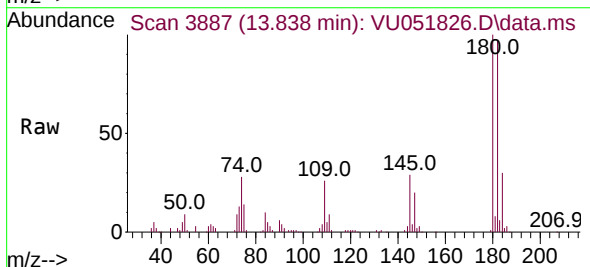
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.3  | 77.0  | 115.6 |
| 184 | 30.1  | 23.7  | 35.5  |
| 145 | 29.6  | 23.5  | 35.3  |

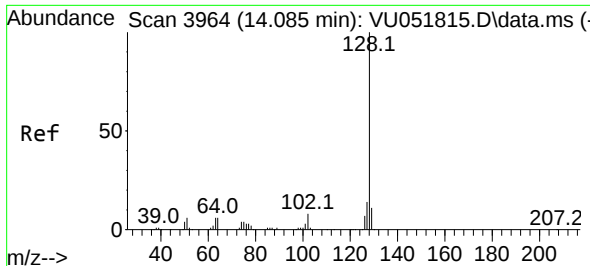


#70  
 1,2,4-trichlorobenzene  
 Concen: 4.698 ug/L  
 RT: 13.838 min Scan# 3887  
 Delta R.T. -0.000 min  
 Lab File: VU051826.D  
 Acq: 11 Nov 2022 19:48

Tgt Ion:180 Resp: 95616

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.7  | 77.8  | 116.6 |
| 145 | 29.2  | 25.0  | 37.6  |

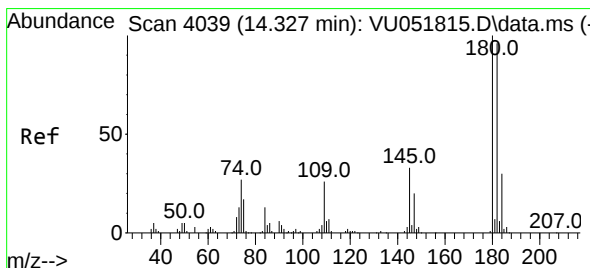
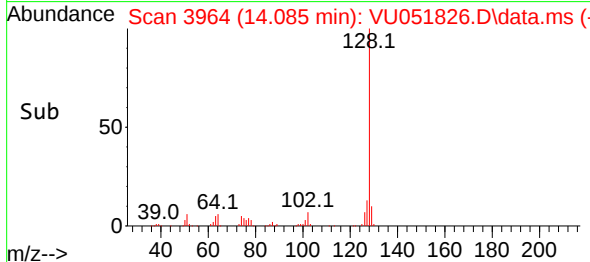
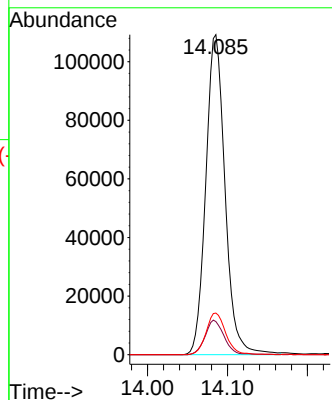
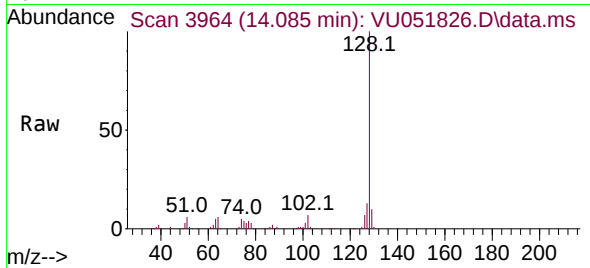




#71  
Naphthalene  
Concen: 4.825 ug/L  
RT: 14.085 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 183302  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.4 12.6  
127 13.3 10.3 15.5



#72  
1,2,3-Trichlorobenzene  
Concen: 4.867 ug/L  
RT: 14.327 min Scan# 4039  
Delta R.T. 0.000 min  
Lab File: VU051826.D  
Acq: 11 Nov 2022 19:48

Tgt Ion:180 Resp: 100020  
Ion Ratio Lower Upper  
180 100  
182 93.5 76.1 114.1  
145 31.6 25.6 38.4

