

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U092122\  
 Data File : VU050876.D  
 Acq On : 21 Sep 2022 12:24  
 Operator : JC/MD  
 Sample : N4651-04MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ25MS

Quant Time: Sep 22 02:12:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 22 02:11:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247   | 114   | 445604   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414   | 117   | 417757   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809  | 152   | 180936   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 154745   | 33.518   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 67.040%  |
| 7) Chloroethane-d5            | 1.906   | 69    | 139768   | 42.508   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 85.020%  |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 283129   | 39.412   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 78.820%  |
| 21) 2-Butanone-d5             | 4.620   | 46    | 338655   | 113.621  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 113.620% |
| 24) Chloroform-d              | 5.060   | 84    | 325727   | 45.021   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.040%  |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 214001   | 47.995   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.000%  |
| 32) Benzene-d6                | 5.726   | 84    | 580555   | 42.191   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.380%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 213316   | 45.927   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 91.860%  |
| 41) Toluene-d8                | 7.896   | 98    | 450037   | 37.416   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 74.840%# |
| 43) trans-1,3-Dichloroprop... | 8.176   | 79    | 89684    | 44.386   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.780%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 214539   | 112.086  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 112.090% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754  | 84    | 355724   | 50.235   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 100.460% |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 151712   | 40.047   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 80.100%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 285519   | 61.880   | ug/L   | 99       |
| 3) Chloromethane              | 1.520   | 50    | 338751   | 63.151   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.604   | 62    | 368310   | 70.135   | ug/L   | 98       |
| 6) Bromomethane               | 1.848   | 94    | 189542   | 71.445   | ug/L   | 100      |
| 8) Chloroethane               | 1.925   | 64    | 197239   | 67.837   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.134   | 101   | 383314   | 67.293   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578   | 101   | 239577   | 65.711   | ug/L   | 100      |
| 13) Acetone                   | 2.626   | 43    | 309887   | 122.788  | ug/L   | 100      |
| 14) Carbon disulfide          | 2.790   | 76    | 709131   | 65.461   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.944   | 43    | 338808   | 71.137   | ug/L   | 99       |
| 16) Methylene chloride        | 3.041   | 84    | 282764   | 59.445   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.350   | 96    | 244631   | 69.672   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 3.362   | 73    | 755305   | 70.563   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 832937   | 117.403  | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 586110   | 150.550  | ug/L   | 100      |
| 22) 2-Butanone                | 4.700   | 43    | 503612   | 151.386  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.970   | 128   | 141093   | 69.150   | ug/L   | 95       |
| 25) Chloroform                | 5.086   | 83    | 480318   | 67.932   | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 5.790   | 62    | 379486   | 70.624   | ug/L   | 100      |

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 Sample : N4651-04MS  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

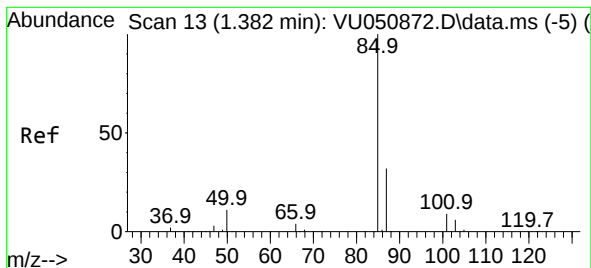
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ25MS

Quant Time: Sep 22 02:12:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 22 02:11:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 29) Cyclohexane               | 5.388  | 56   | 409196   | 71.176  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.314  | 97   | 485498   | 87.355  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 323832   | 70.138  | ug/L  | 99       |
| 33) Benzene                   | 5.774  | 78   | 1098597  | 71.458  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 274404   | 76.838  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.761  | 83   | 421298   | 73.216  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 296176   | 70.401  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 359916   | 71.806  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 403368   | 71.650  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 923219   | 159.235 | ug/L  | 99       |
| 42) Toluene                   | 7.967  | 91   | 1126897  | 73.836  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 391581   | 73.119  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 278212   | 71.761  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.552  | 164  | 187158   | 72.928  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.681  | 43   | 756281   | 156.107 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 274958   | 72.331  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 294708   | 73.266  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.446  | 112  | 658930   | 70.719  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.568  | 91   | 1124556  | 73.859  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 429083   | 75.801  | ug/L  | 98       |
| 54) o-Xylene                  | 10.099 | 106  | 426030   | 75.536  | ug/L  | 99       |
| 55) Styrene                   | 10.111 | 104  | 748744   | 77.430  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 498920   | 69.548  | ug/L  | 100      |
| 59) Bromoform                 | 10.288 | 173  | 207438   | 79.432  | ug/L  | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 400497   | 78.694  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 1078895  | 83.438  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 904849   | 85.126  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 899605   | 85.460  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 460919   | 77.949  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 457608   | 76.229  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 484344   | 77.359  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 117607   | 84.020  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 308957   | 74.679  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 255515   | 75.470  | ug/L  | 100      |
| 71) Naphthalene               | 14.086 | 128  | 1094152  | 84.089  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 297329   | 78.467  | ug/L  | 99       |

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

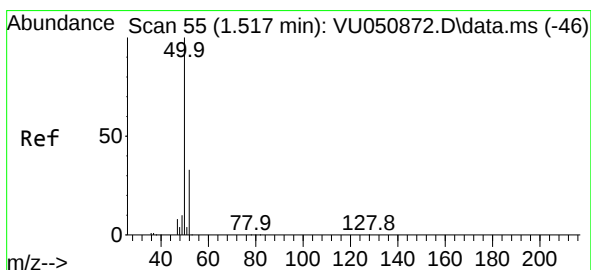
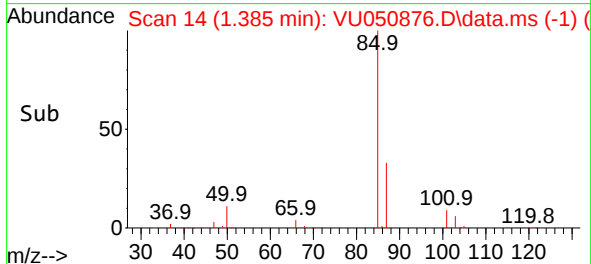
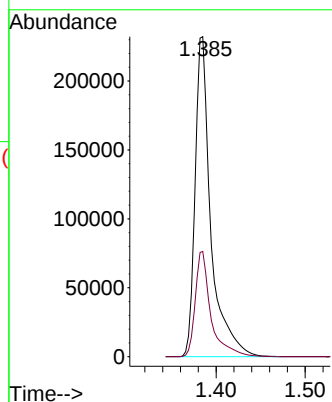
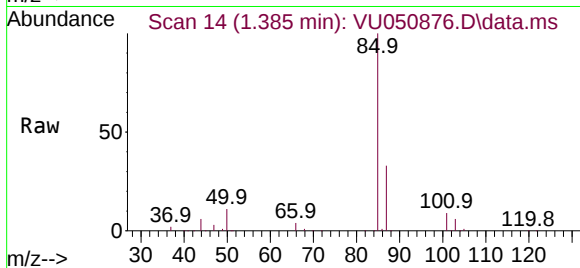




#2  
Dichlorodifluoromethane  
Concen: 61.880 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

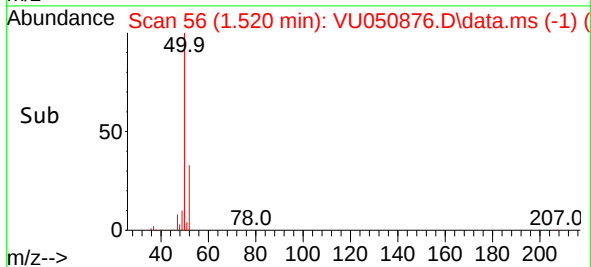
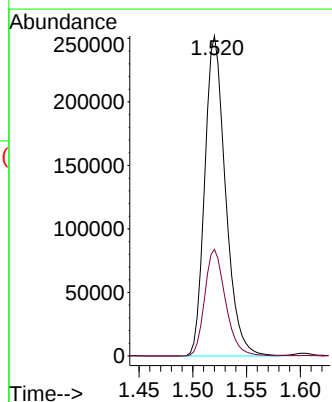
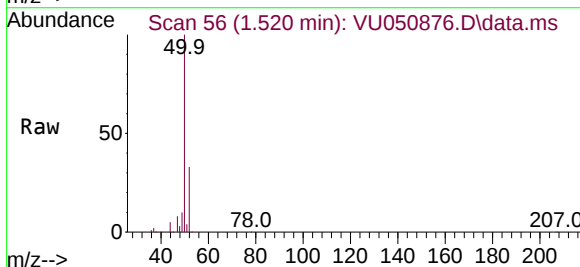
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

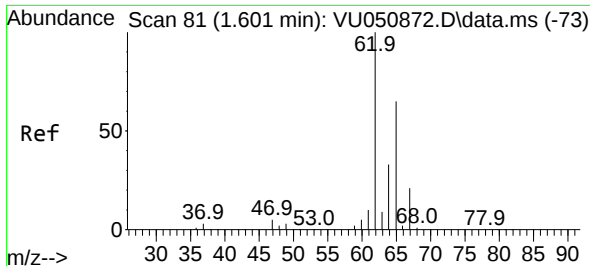
Tgt Ion: 85 Resp: 285519  
Ion Ratio Lower Upper  
85 100  
87 32.8 25.8 38.8



#3  
Chloromethane  
Concen: 63.151 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. 0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 50 Resp: 338751  
Ion Ratio Lower Upper  
50 100  
52 33.3 23.7 43.9

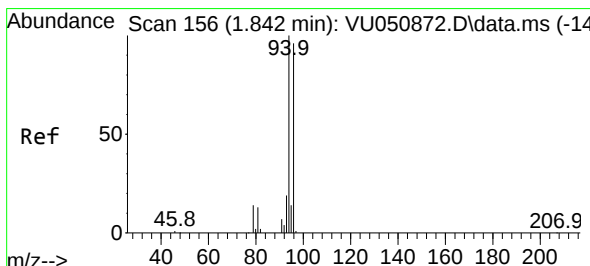
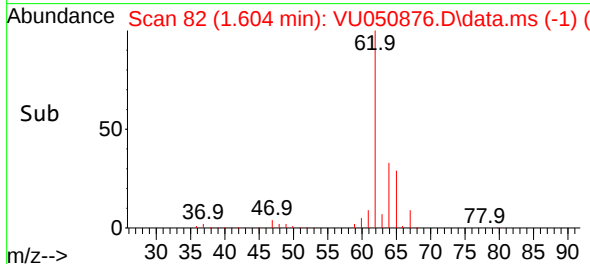
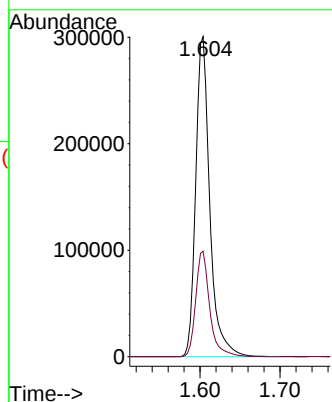
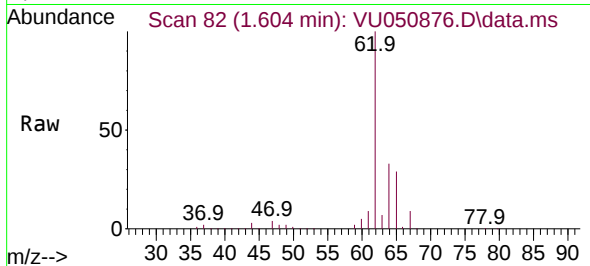




#5  
 Vinyl chloride  
 Concen: 70.135 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. 0.003 min  
 Lab File: VU050876.D  
 Acq: 21 Sep 2022 12:24

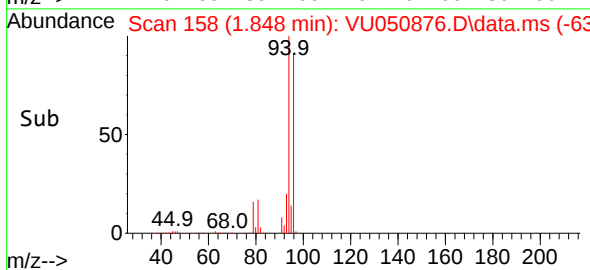
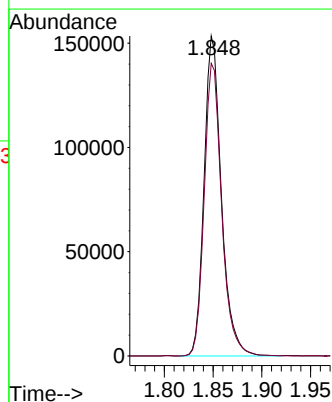
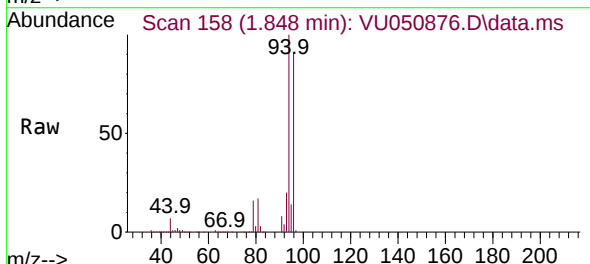
Instrument :  
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 ClientSampleId :  
 EXZ25MS

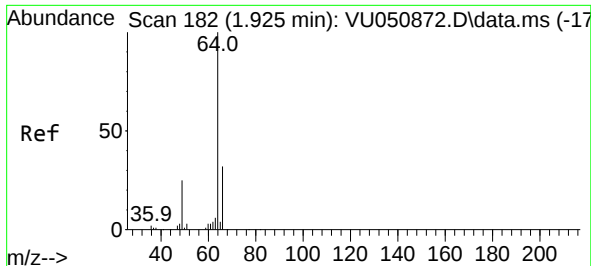
Tgt Ion: 62 Resp: 368310  
 Ion Ratio Lower Upper  
 62 100  
 64 32.9 22.2 41.2



#6  
 Bromomethane  
 Concen: 71.445 ug/L  
 RT: 1.848 min Scan# 158  
 Delta R.T. 0.006 min  
 Lab File: VU050876.D  
 Acq: 21 Sep 2022 12:24

Tgt Ion: 94 Resp: 189542  
 Ion Ratio Lower Upper  
 94 100  
 96 91.5 64.0 119.0

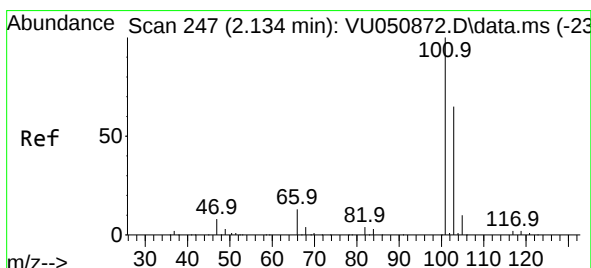
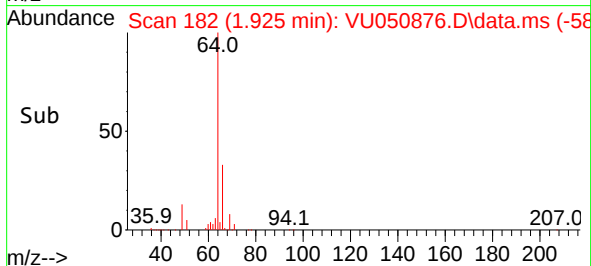
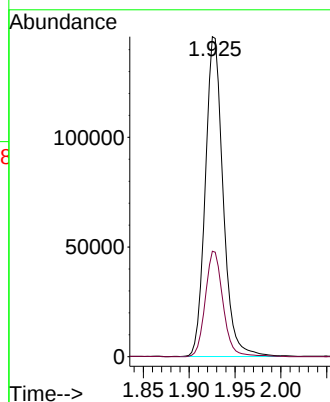
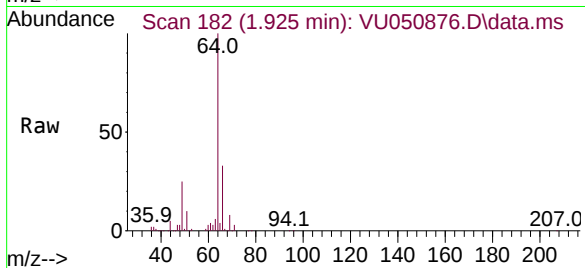




#8  
Chloroethane  
Concen: 67.837 ug/L  
RT: 1.925 min Scan# 182  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

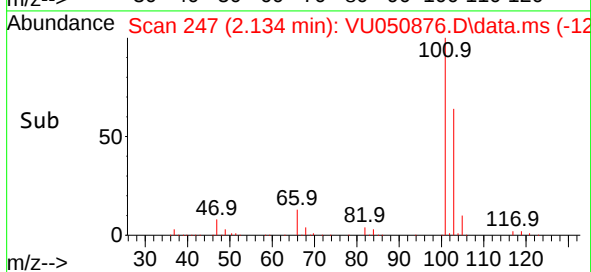
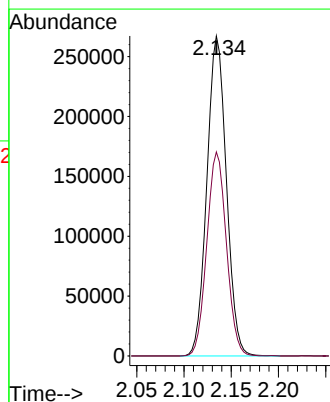
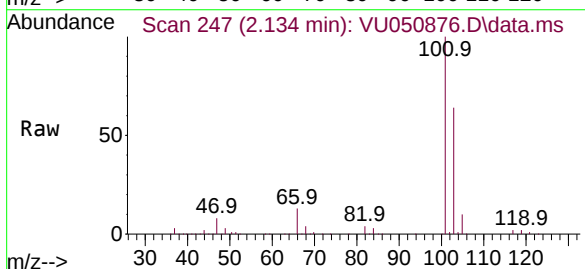
Instrument :  
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ClientSampleId :  
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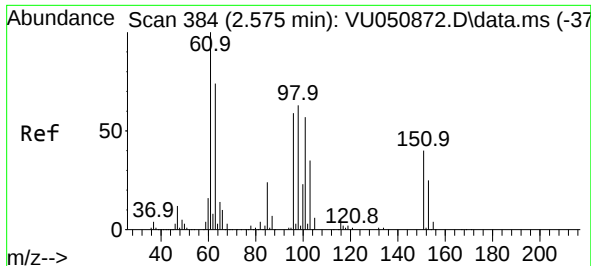
Tgt Ion: 64 Resp: 197239  
Ion Ratio Lower Upper  
64 100  
66 33.0 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 67.293 ug/L  
RT: 2.134 min Scan# 247  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 101 Resp: 383314  
Ion Ratio Lower Upper  
101 100  
103 64.0 50.9 76.3

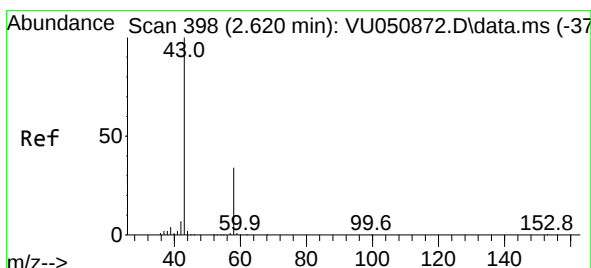
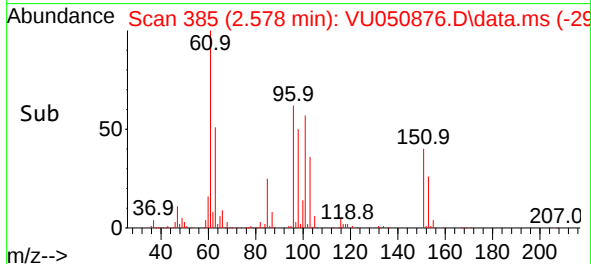
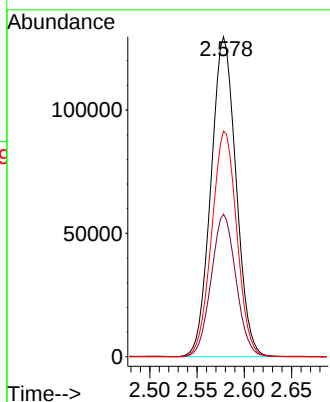
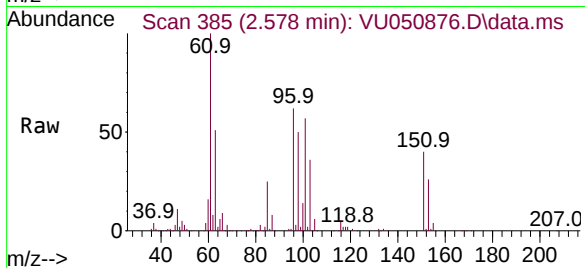




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 65.711 ug/L  
RT: 2.578 min Scan# 384  
Delta R.T. 0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

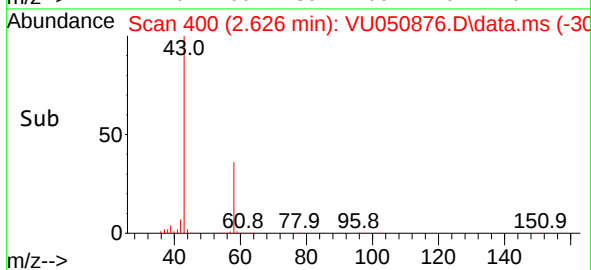
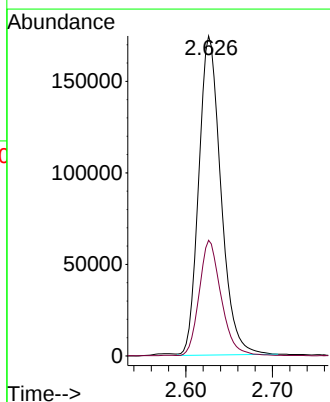
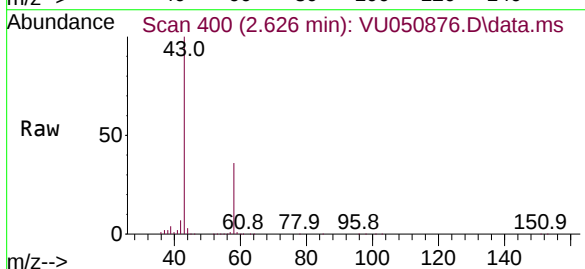
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

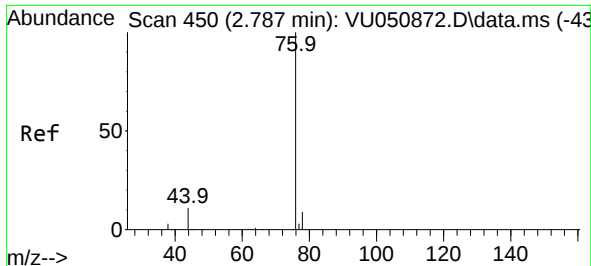
Tgt Ion:101 Resp: 239577  
Ion Ratio Lower Upper  
101 100  
85 44.0 35.1 52.7  
151 70.6 56.6 84.8



#13  
Acetone  
Concen: 122.788 ug/L  
RT: 2.626 min Scan# 400  
Delta R.T. 0.006 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 43 Resp: 309887  
Ion Ratio Lower Upper  
43 100  
58 35.5 0.0 71.4





#14

Carbon disulfide

Concen: 65.461 ug/L

RT: 2.790 min Scan# 4

Delta R.T. 0.003 min

Lab File: VU050876.D

Acq: 21 Sep 2022 12:24

Instrument :

MSVOA\_U

ClientSampleId :

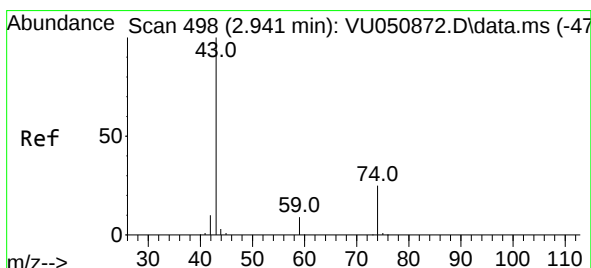
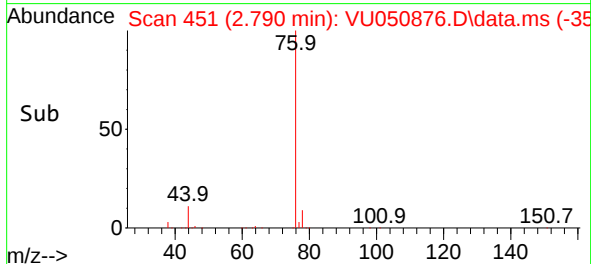
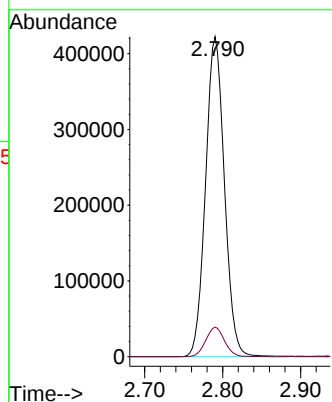
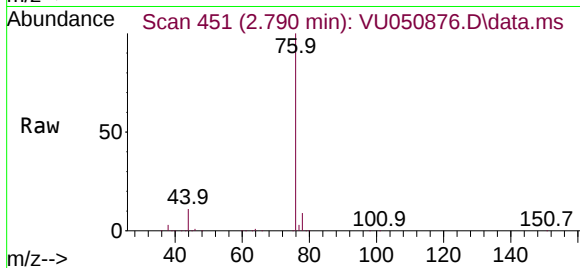
EXZ25MS

Tgt Ion: 76 Resp: 709131

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



#15

Methyl Acetate

Concen: 71.137 ug/L

RT: 2.944 min Scan# 499

Delta R.T. 0.003 min

Lab File: VU050876.D

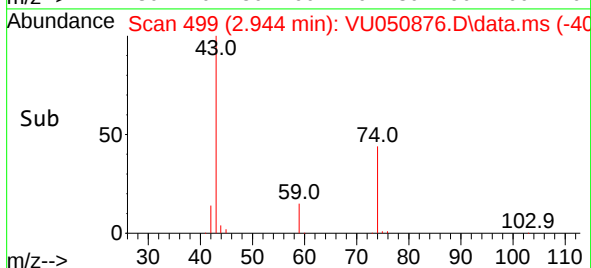
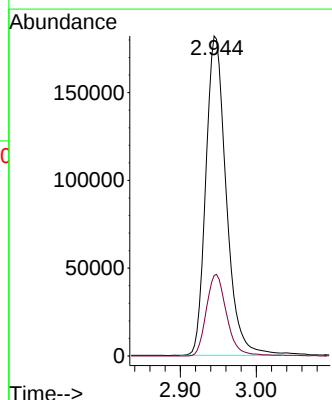
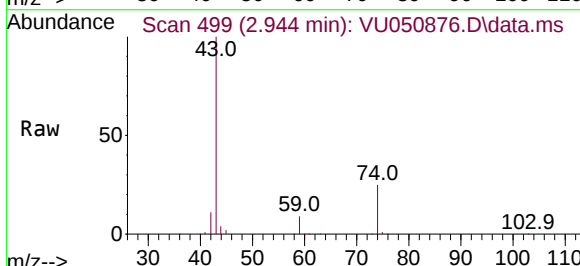
Acq: 21 Sep 2022 12:24

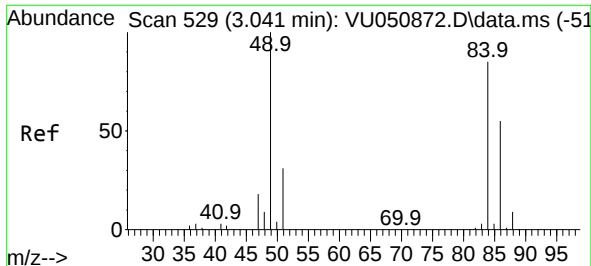
Tgt Ion: 43 Resp: 338808

Ion Ratio Lower Upper

43 100

74 25.5 19.9 29.9

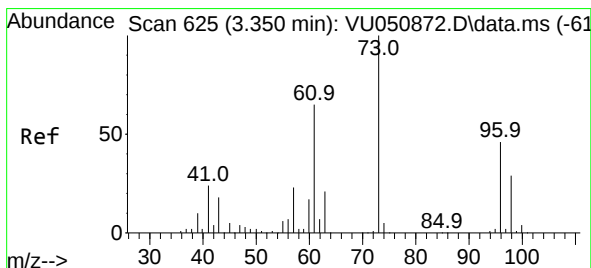
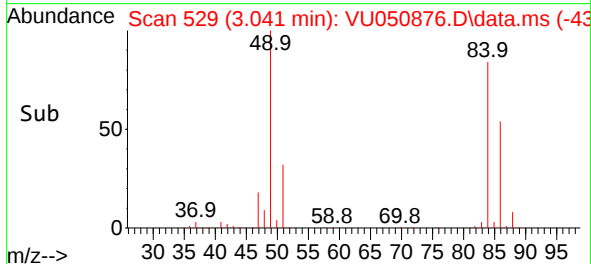
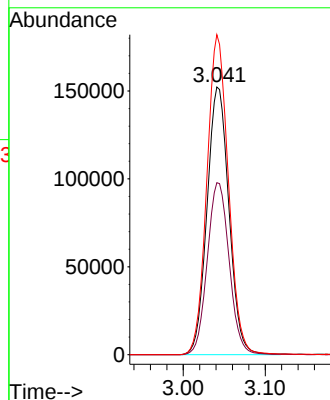
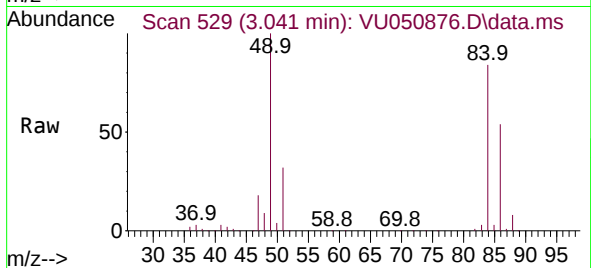




#16  
Methylene chloride  
Concen: 59.445 ug/L  
RT: 3.041 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

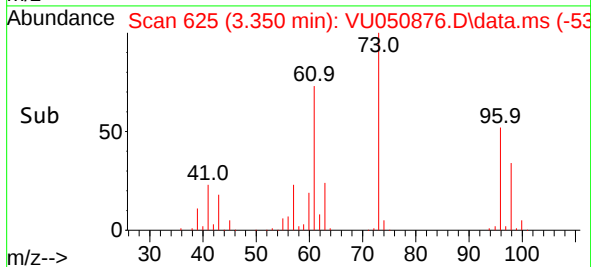
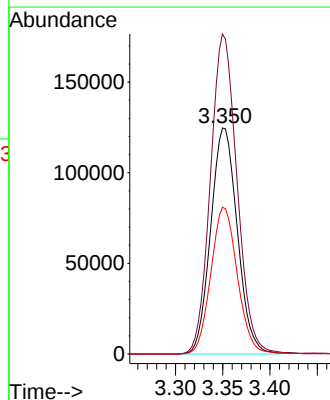
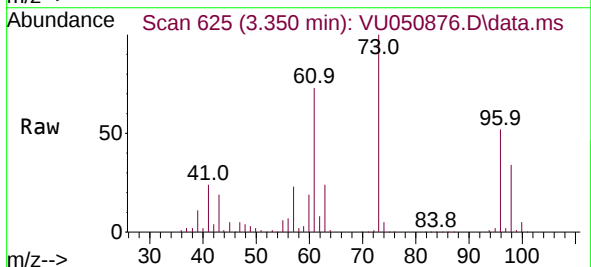
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

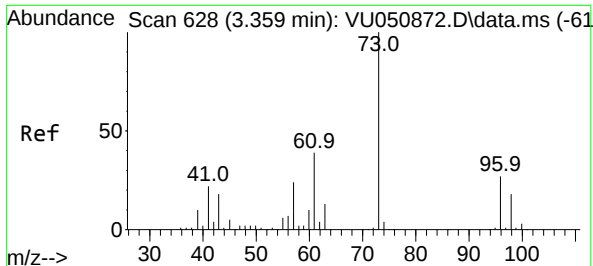
Tgt Ion: 84 Resp: 282764  
Ion Ratio Lower Upper  
84 100  
86 64.2 44.4 82.5  
49 119.5 83.3 154.7



#17  
trans-1,2-Dichloroethene  
Concen: 69.672 ug/L  
RT: 3.350 min Scan# 625  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 96 Resp: 244631  
Ion Ratio Lower Upper  
96 100  
61 141.6 98.0 182.0  
98 64.9 44.3 82.3





#18

Methyl tert-butyl Ether

Concen: 70.563 ug/L

RT: 3.362 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU050876.D

Acq: 21 Sep 2022 12:24

Instrument :

MSVOA\_U

ClientSampleId :

EXZ25MS

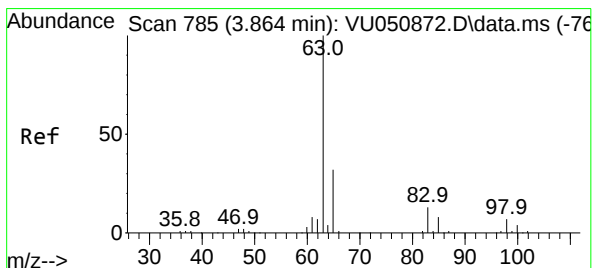
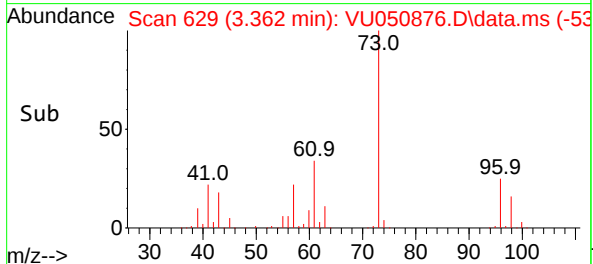
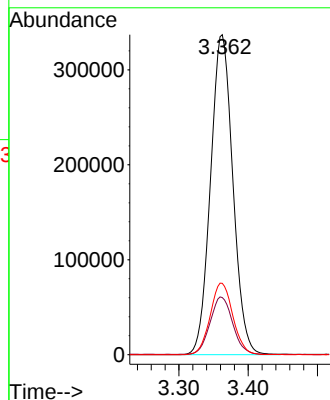
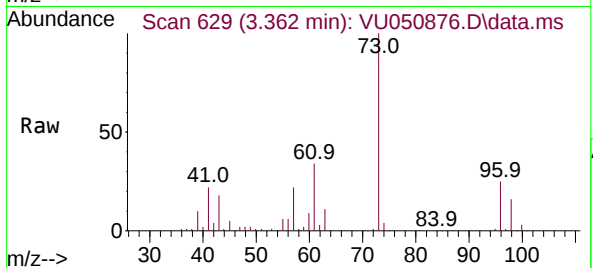
Tgt Ion: 73 Resp: 755305

Ion Ratio Lower Upper

73 100

43 18.2 14.4 21.6

57 22.7 18.6 27.8



#19

1,1-Dichloroethane

Concen: 117.403 ug/L

RT: 3.867 min Scan# 786

Delta R.T. 0.003 min

Lab File: VU050876.D

Acq: 21 Sep 2022 12:24

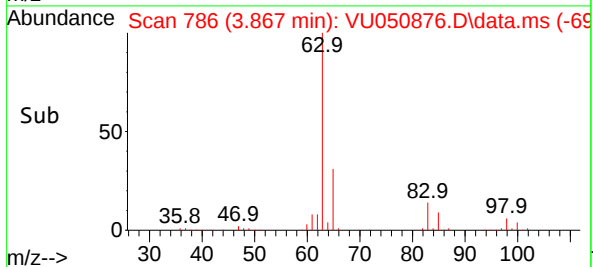
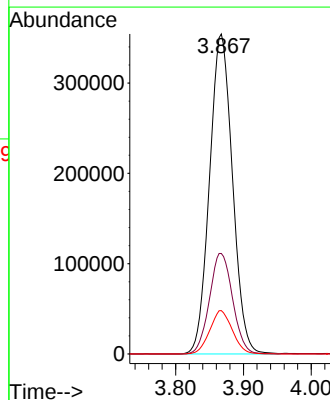
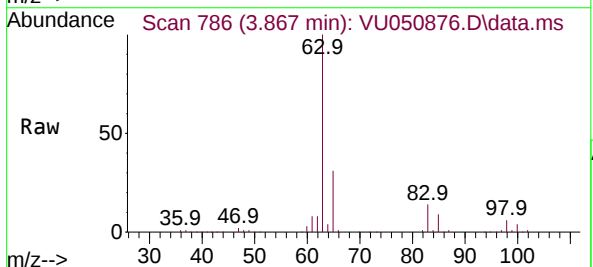
Tgt Ion: 63 Resp: 832937

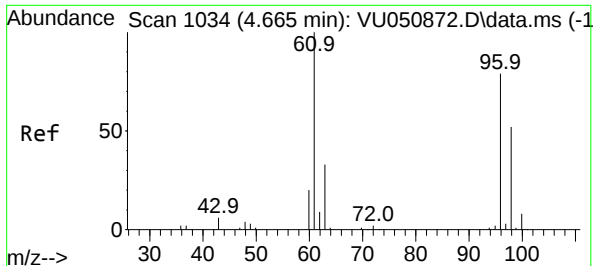
Ion Ratio Lower Upper

63 100

65 31.4 21.5 39.9

83 13.6 9.3 17.3

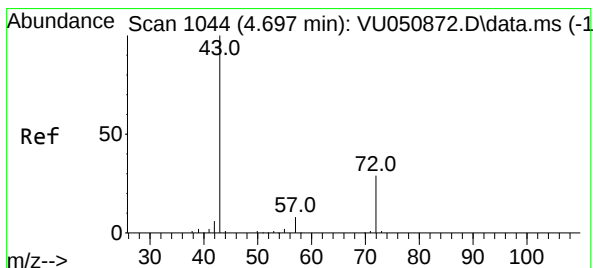
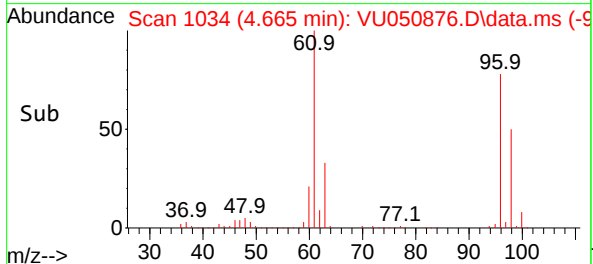
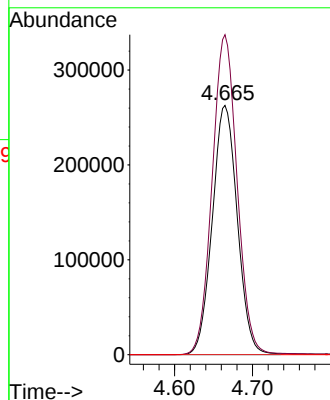
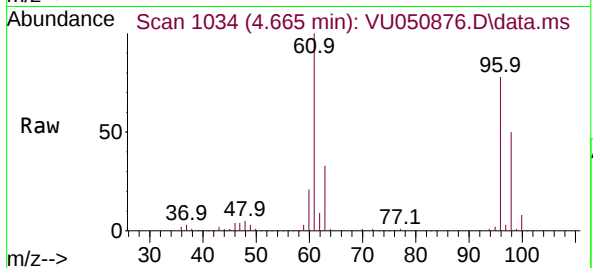




#20  
cis-1,2-Dichloroethene  
Concen: 150.550 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

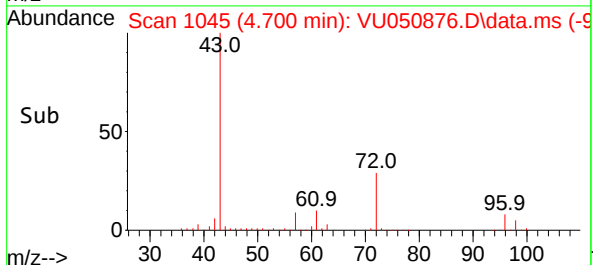
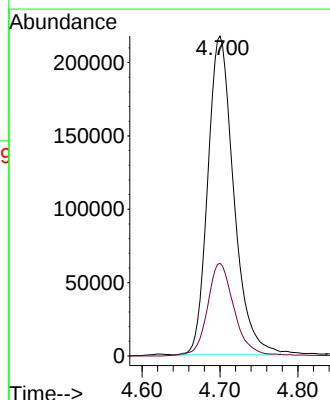
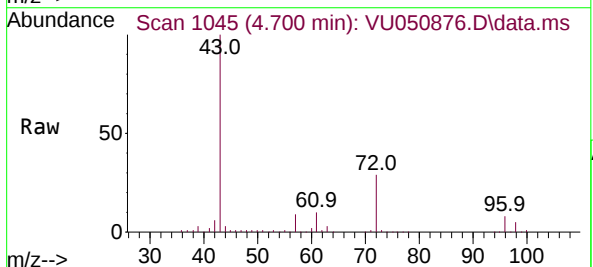
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

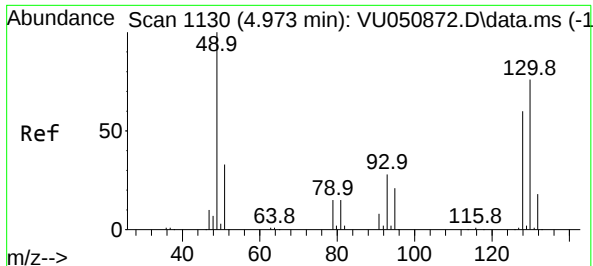
Tgt Ion: 96 Resp: 586110  
Ion Ratio Lower Upper  
96 100  
61 128.3 90.1 167.3  
68 0.0 0.0 0.0



#22  
2-Butanone  
Concen: 151.386 ug/L  
RT: 4.700 min Scan# 1045  
Delta R.T. 0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 43 Resp: 503612  
Ion Ratio Lower Upper  
43 100  
72 30.1 14.8 44.3





#23

Bromochloromethane

Concen: 69.150 ug/L

RT: 4.970 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VU050876.D

Acq: 21 Sep 2022 12:24

Instrument :

MSVOA\_U

ClientSampleId :

EXZ25MS

Tgt Ion:128 Resp: 141093

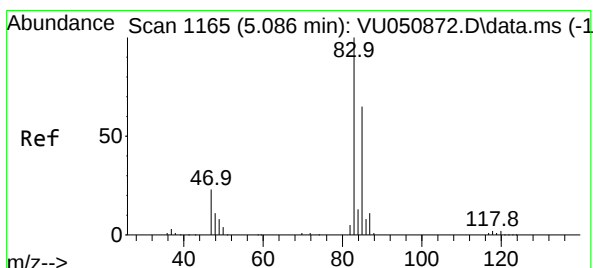
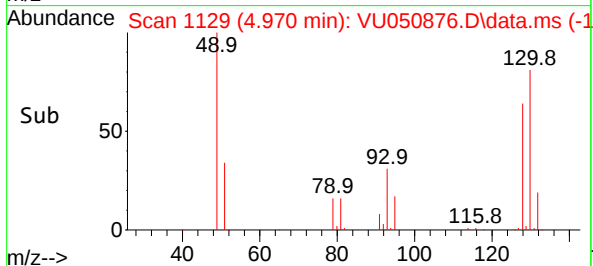
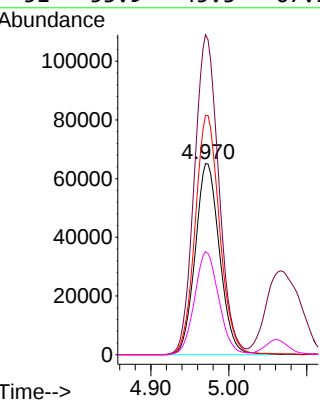
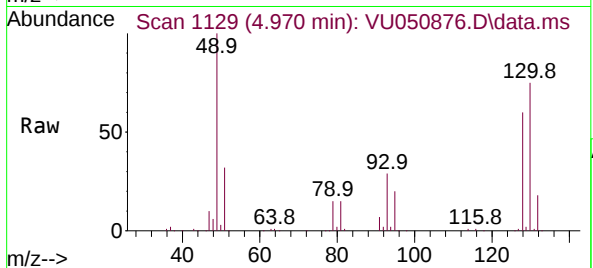
Ion Ratio Lower Upper

128 100

49 167.4 123.1 228.5

130 125.2 90.9 168.7

51 53.9 45.3 67.9



#25

Chloroform

Concen: 67.932 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU050876.D

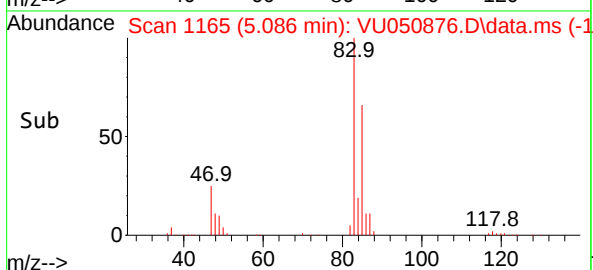
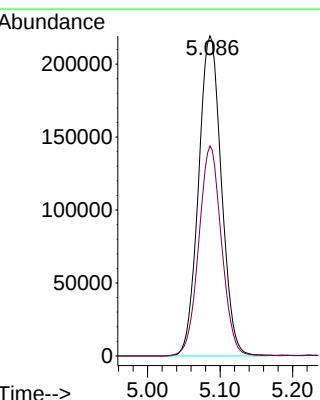
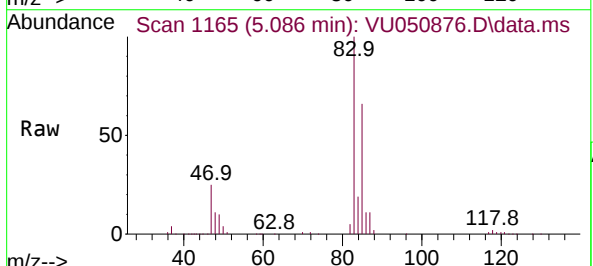
Acq: 21 Sep 2022 12:24

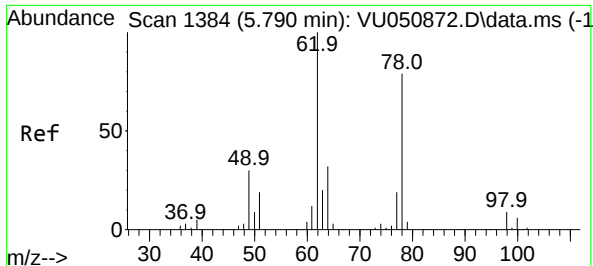
Tgt Ion: 83 Resp: 480318

Ion Ratio Lower Upper

83 100

85 65.6 45.7 84.9





#27

1,2-Dichloroethane

Concen: 70.624 ug/L

RT: 5.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU050876.D

Acq: 21 Sep 2022 12:24

Instrument :

MSVOA\_U

ClientSampleId :

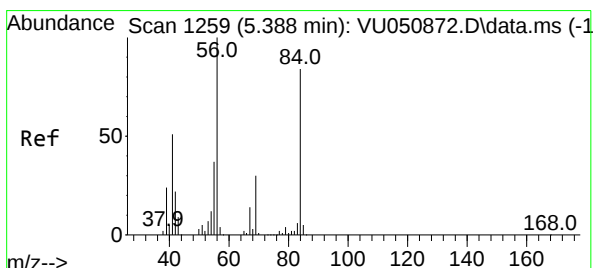
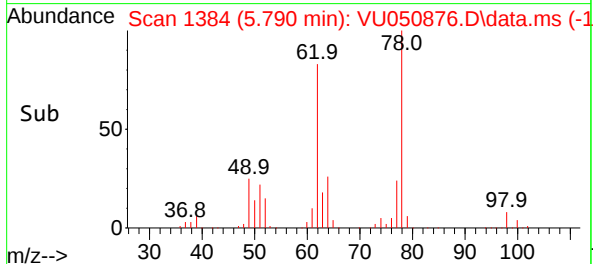
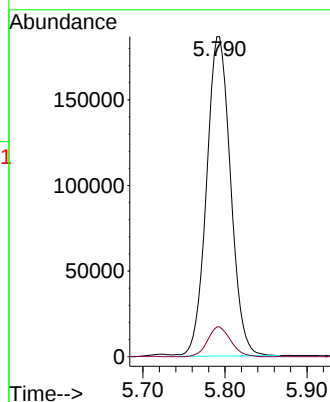
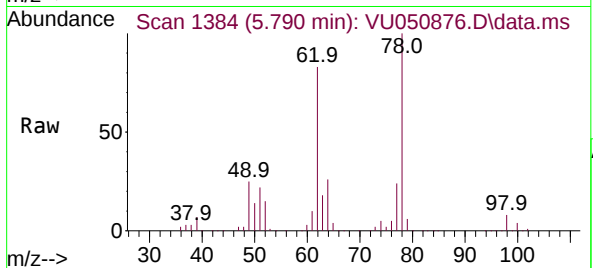
EXZ25MS

Tgt Ion: 62 Resp: 379486

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.0



#29

Cyclohexane

Concen: 71.176 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU050876.D

Acq: 21 Sep 2022 12:24

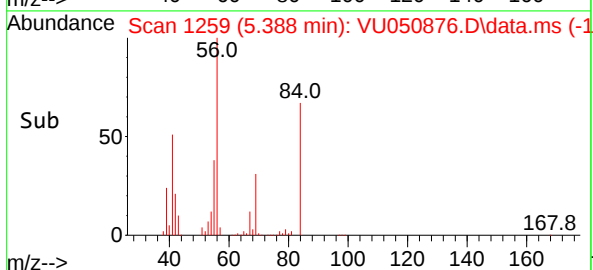
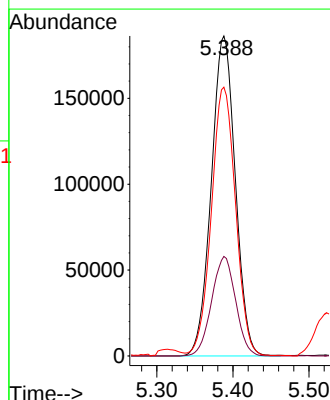
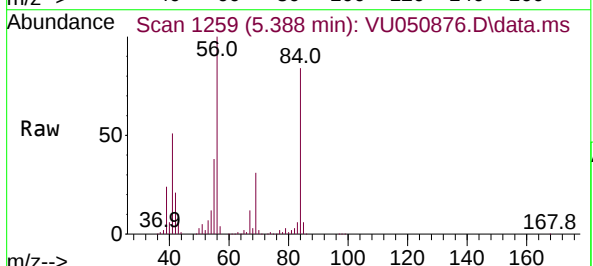
Tgt Ion: 56 Resp: 409196

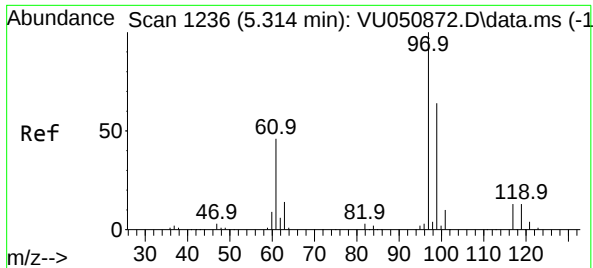
Ion Ratio Lower Upper

56 100

69 31.0 24.2 36.4

84 84.6 66.4 99.6

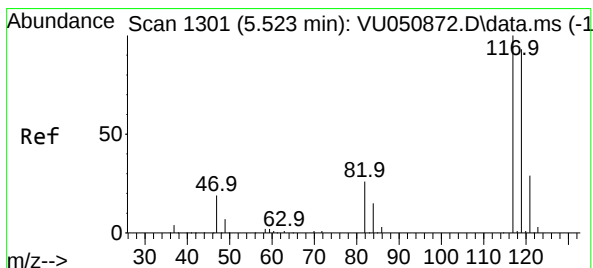
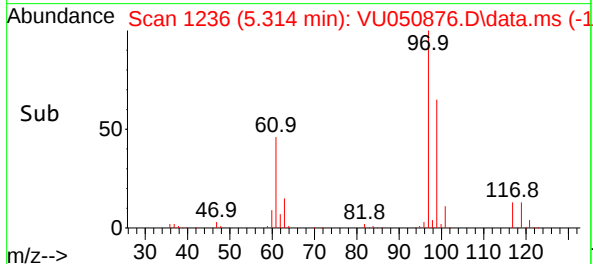
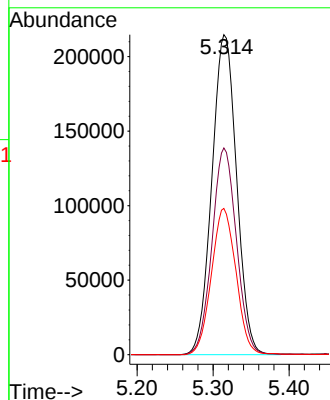
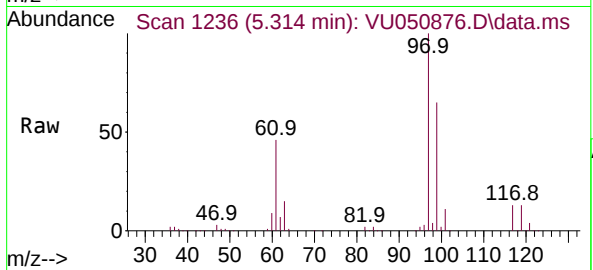




#30  
1,1,1-Trichloroethane  
Concen: 87.355 ug/L  
RT: 5.314 min Scan# 1236  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

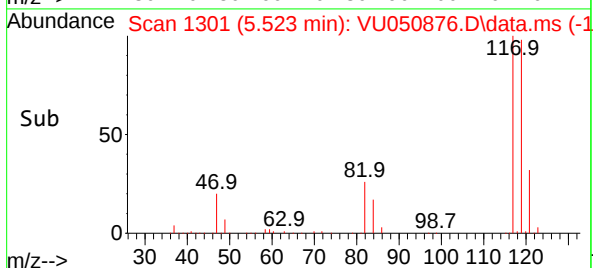
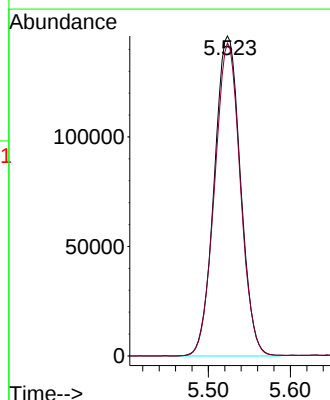
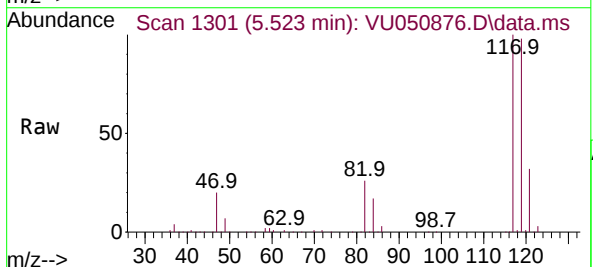
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

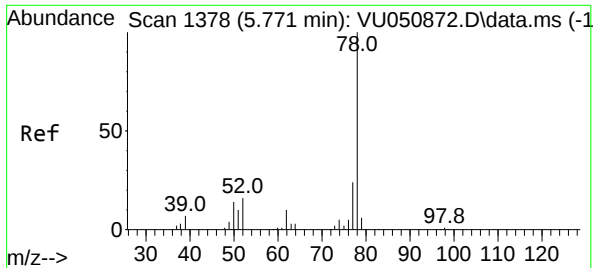
Tgt Ion: 97 Resp: 485498  
Ion Ratio Lower Upper  
97 100  
99 64.0 52.2 78.2  
61 45.3 37.1 55.7



#31  
Carbon tetrachloride  
Concen: 70.138 ug/L  
RT: 5.523 min Scan# 1301  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 117 Resp: 323832  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.0 114.0

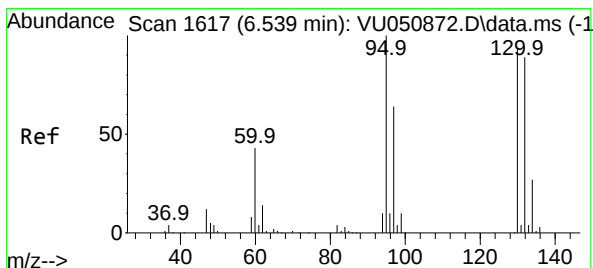
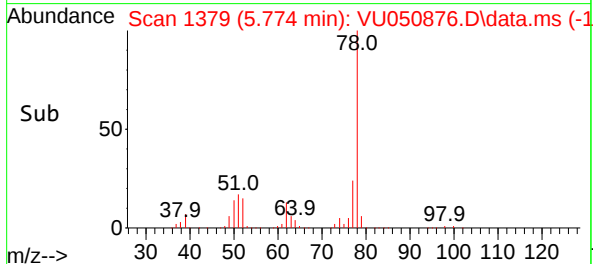
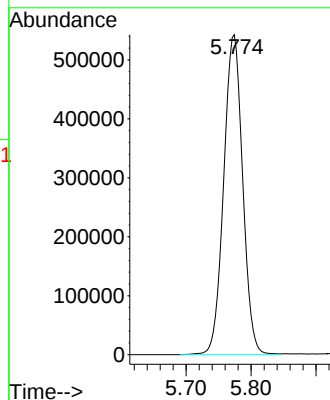
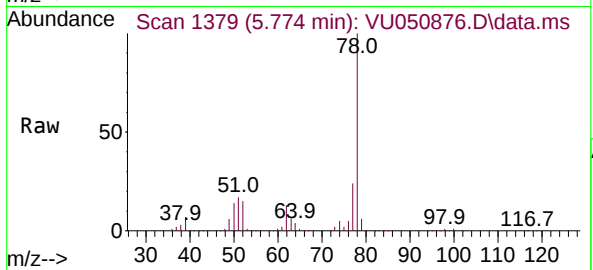




#33  
Benzene  
Concen: 71.458 ug/L  
RT: 5.774 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

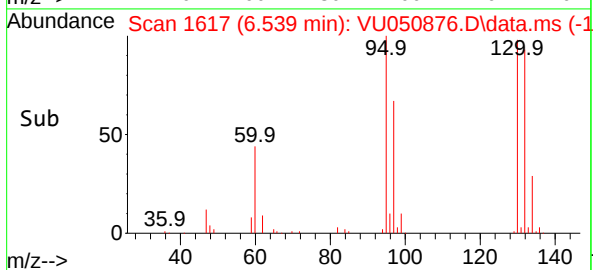
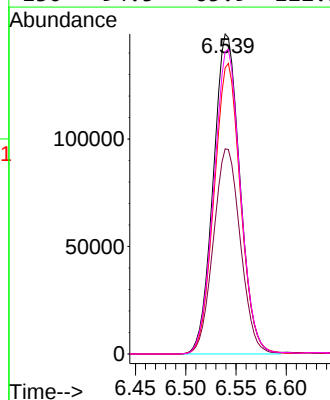
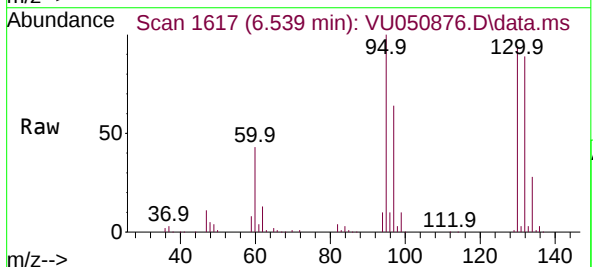
Tgt Ion: 78 Resp: 1098597

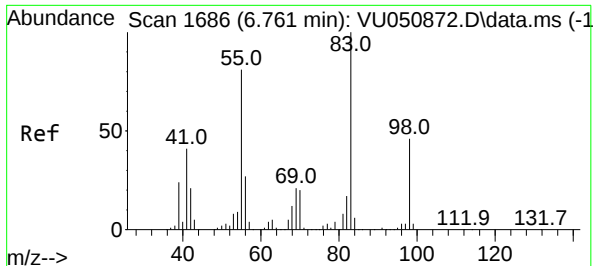


#34  
Trichloroethene  
Concen: 76.838 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 95 Resp: 274404

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.1  | 43.9  | 81.5  |
| 132 | 89.4  | 63.1  | 117.1 |
| 130 | 94.5  | 65.9  | 122.3 |

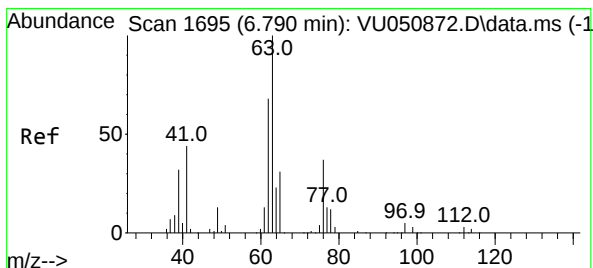
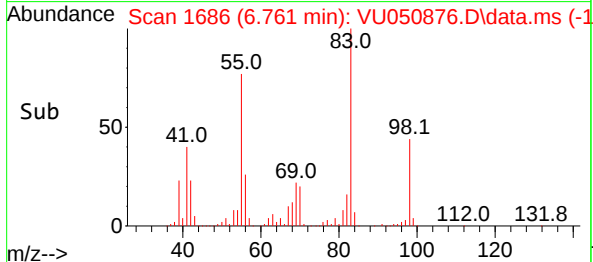
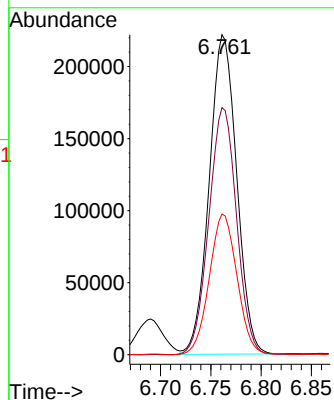
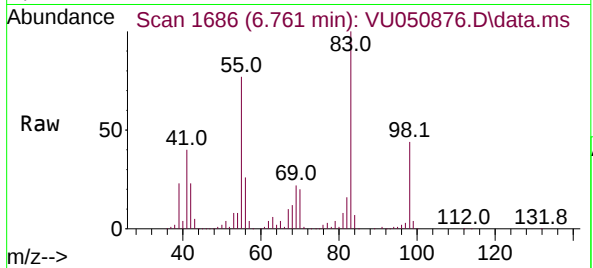




#35  
Methylcyclohexane  
Concen: 73.216 ug/L  
RT: 6.761 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

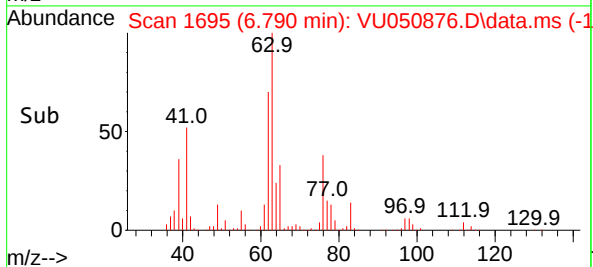
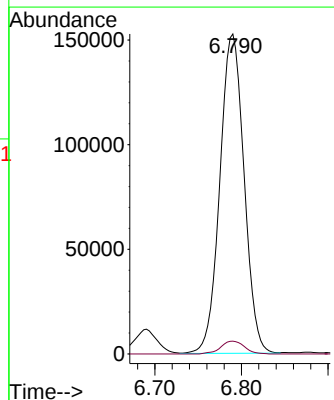
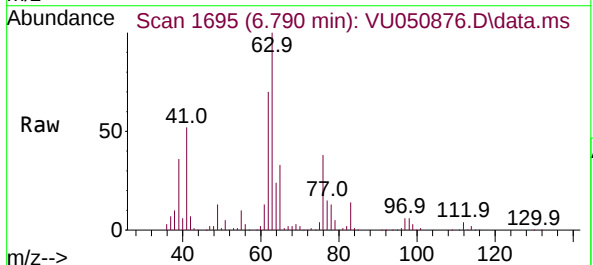
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

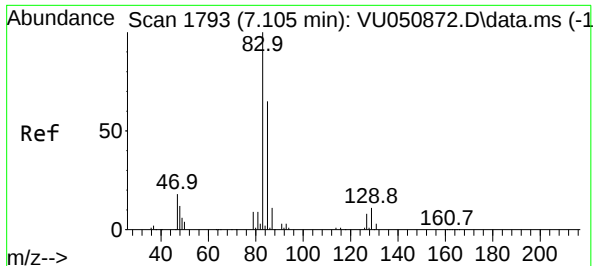
Tgt Ion: 83 Resp: 421298  
Ion Ratio Lower Upper  
83 100  
55 78.3 64.7 97.1  
98 44.5 35.2 52.8



#37  
1,2-Dichloropropane  
Concen: 70.401 ug/L  
RT: 6.790 min Scan# 1695  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 63 Resp: 296176  
Ion Ratio Lower Upper  
63 100  
112 3.9 2.9 4.3

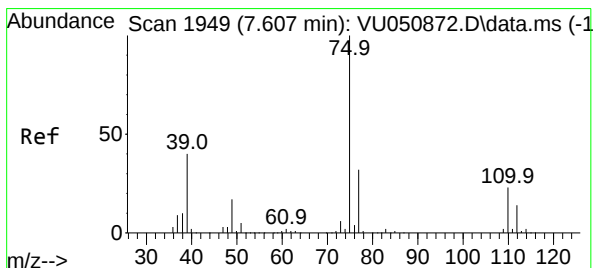
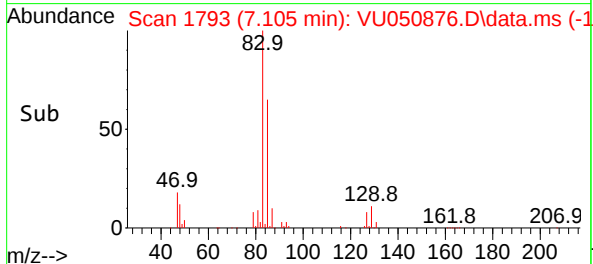
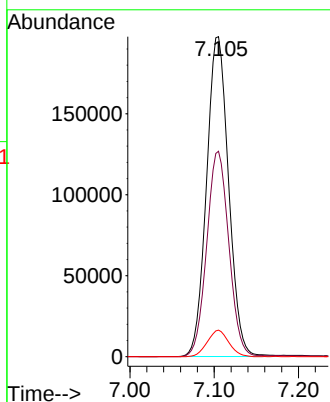
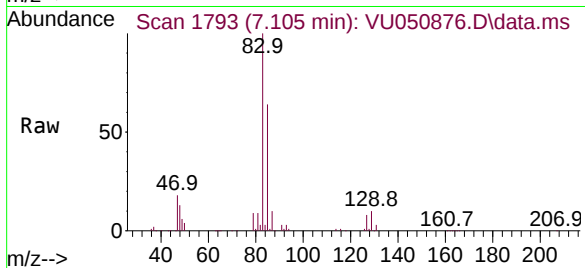




#38  
Bromodichloromethane  
Concen: 71.806 ug/L  
RT: 7.105 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

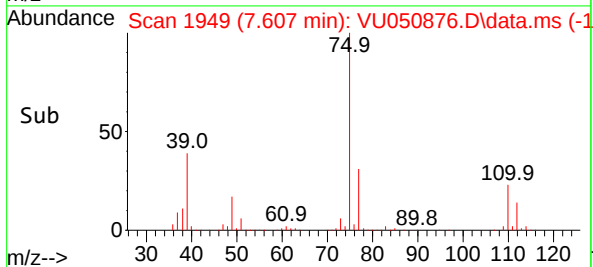
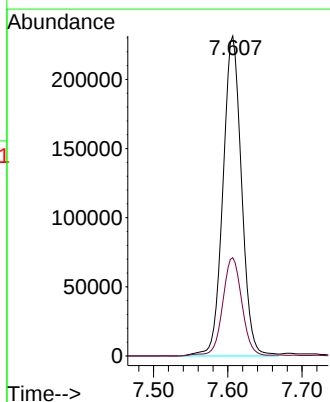
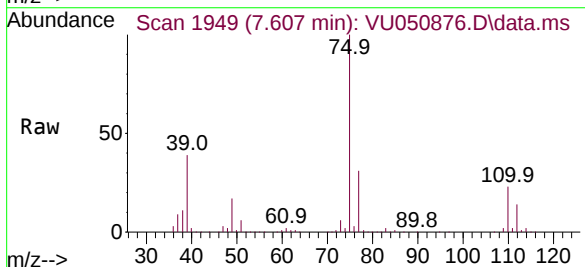
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

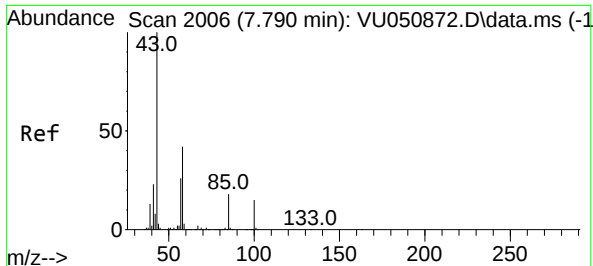
Tgt Ion: 83 Resp: 359916  
Ion Ratio Lower Upper  
83 100  
85 64.2 44.3 82.3  
127 8.3 6.4 9.6



#39  
cis-1,3-Dichloropropene  
Concen: 71.650 ug/L  
RT: 7.607 min Scan# 1949  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 75 Resp: 403368  
Ion Ratio Lower Upper  
75 100  
77 30.7 22.8 42.4





#40

4-Methyl-2-pentanone

Concen: 159.235 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU050876.D

Acq: 21 Sep 2022 12:24

Instrument :

MSVOA\_U

ClientSampleId :

EXZ25MS

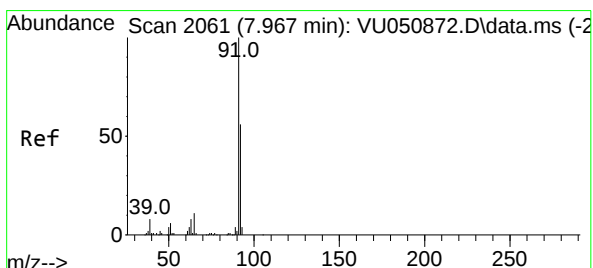
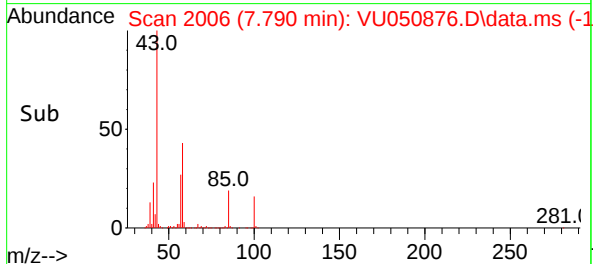
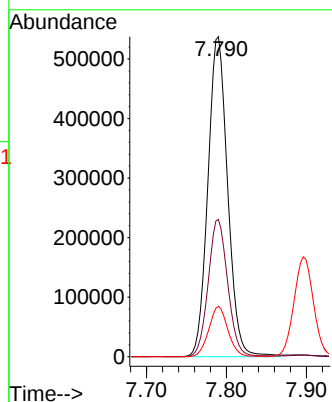
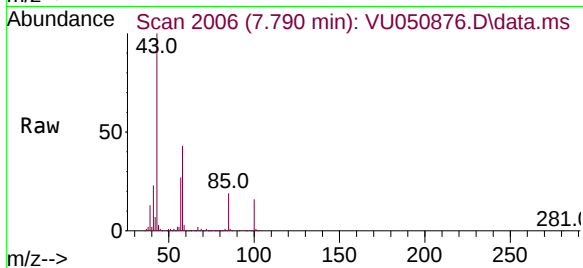
Tgt Ion: 43 Resp: 923219

Ion Ratio Lower Upper

43 100

58 42.7 33.8 50.6

100 15.2 12.0 18.0



#42

Toluene

Concen: 73.836 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU050876.D

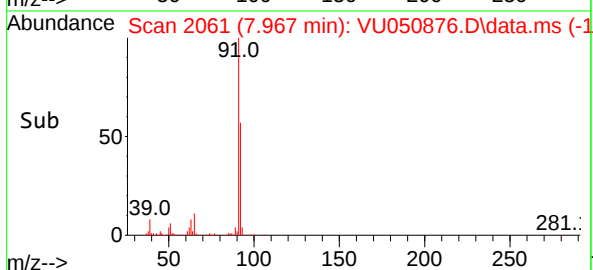
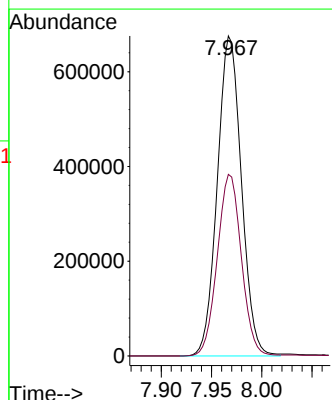
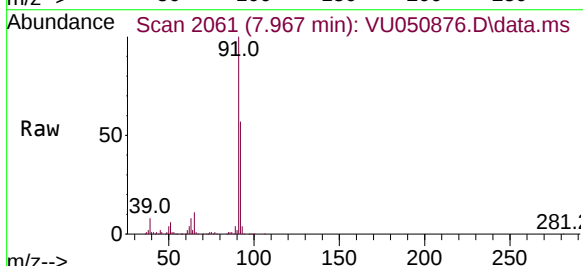
Acq: 21 Sep 2022 12:24

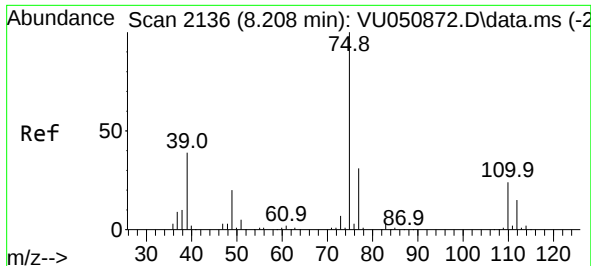
Tgt Ion: 91 Resp: 1126897

Ion Ratio Lower Upper

91 100

92 56.8 39.1 72.5

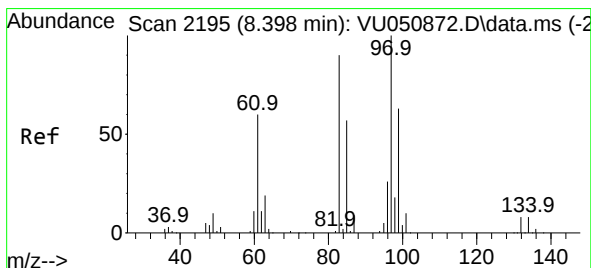
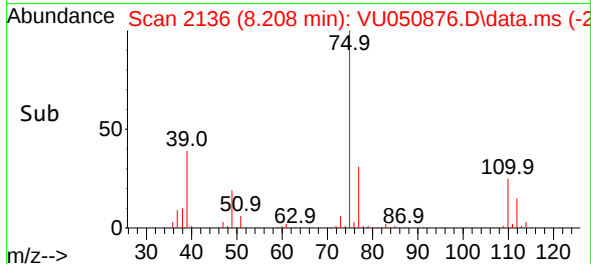
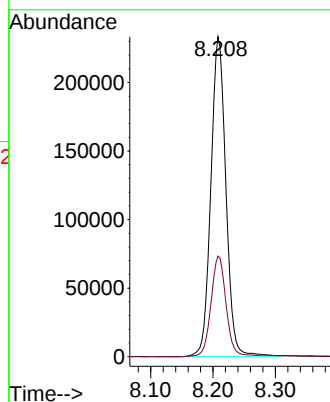
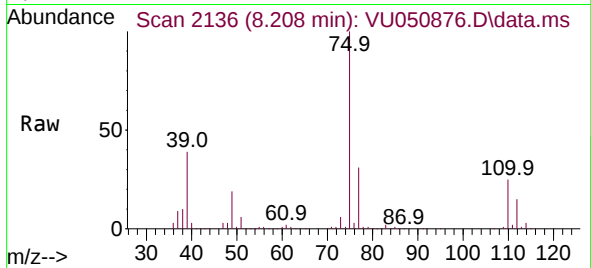




#44  
trans-1,3-Dichloropropene  
Concen: 73.119 ug/L  
RT: 8.208 min Scan# 2136  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

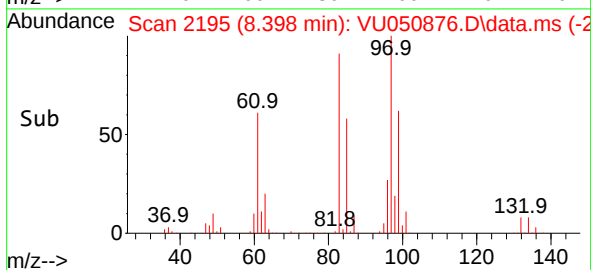
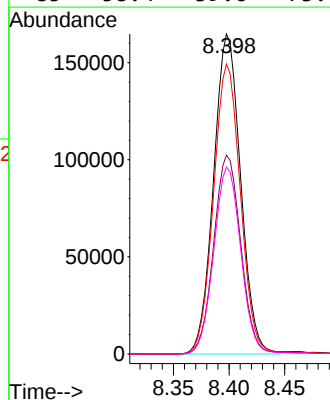
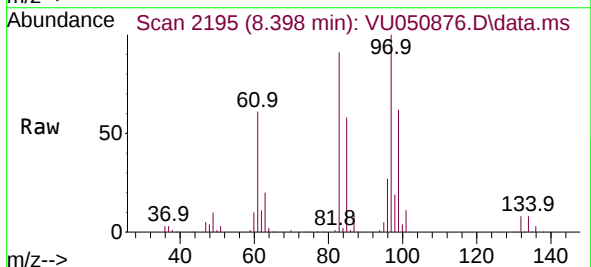
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

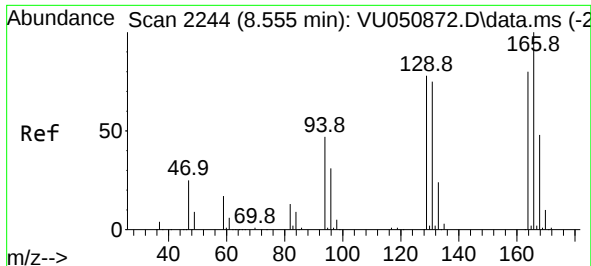
Tgt Ion: 75 Resp: 391581  
Ion Ratio Lower Upper  
75 100  
77 31.5 21.9 40.7



#45  
1,1,2-Trichloroethane  
Concen: 71.761 ug/L  
RT: 8.398 min Scan# 2195  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 97 Resp: 278212  
Ion Ratio Lower Upper  
97 100  
99 62.2 43.8 81.4  
83 90.6 62.6 116.3  
85 58.4 39.6 73.6

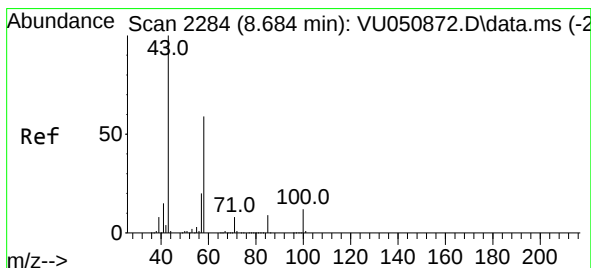
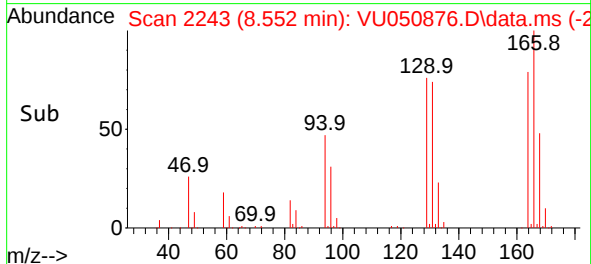
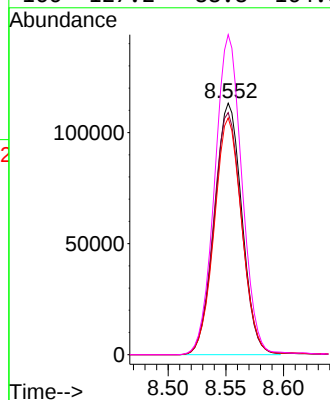
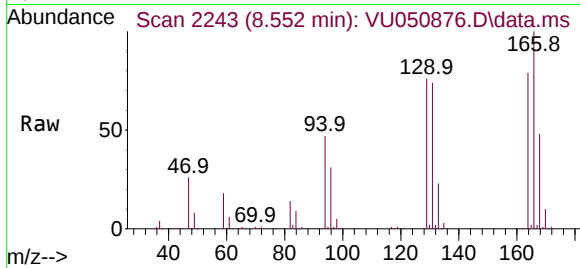




#46  
Tetrachloroethene  
Concen: 72.928 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

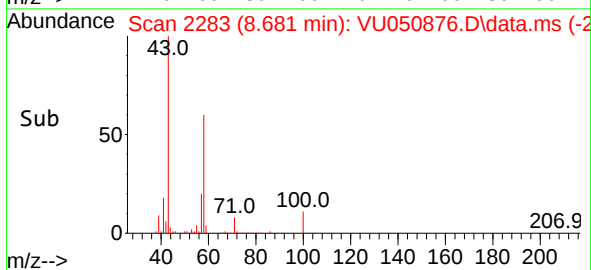
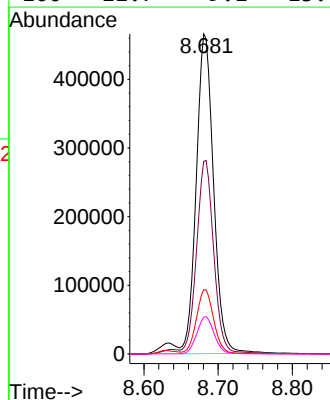
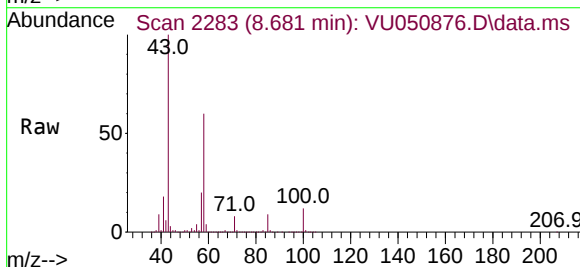
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

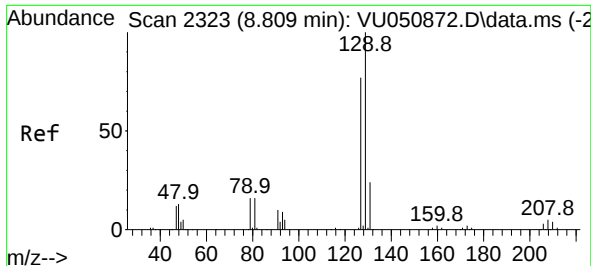
Tgt Ion:164 Resp: 187158  
Ion Ratio Lower Upper  
164 100  
129 96.3 68.5 127.3  
131 94.1 66.1 122.7  
166 127.2 88.8 164.8



#48  
2-Hexanone  
Concen: 156.107 ug/L  
RT: 8.681 min Scan# 2283  
Delta R.T. -0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 43 Resp: 756281  
Ion Ratio Lower Upper  
43 100  
58 59.6 47.2 70.8  
57 20.2 16.2 24.4  
100 11.7 9.1 13.7





#49

Dibromochloromethane

Concen: 72.331 ug/L

RT: 8.809 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU050876.D

Acq: 21 Sep 2022 12:24

Instrument :

MSVOA\_U

ClientSampleId :

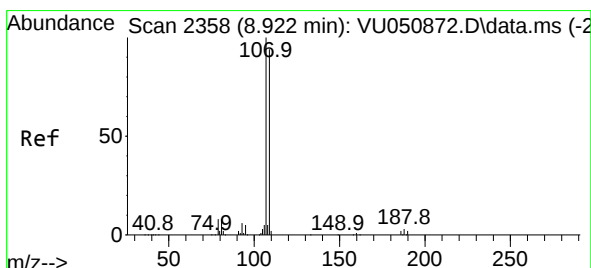
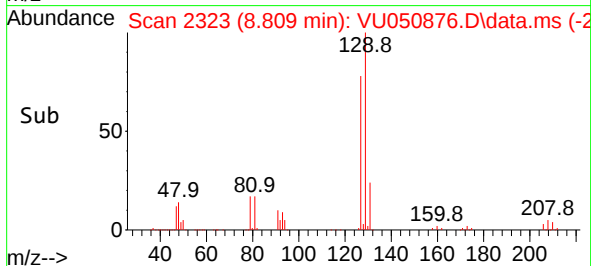
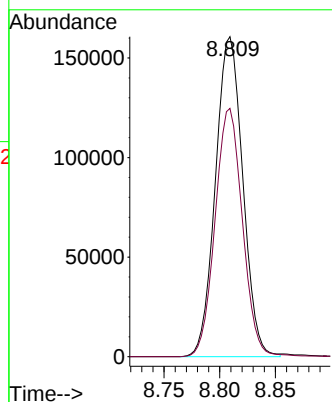
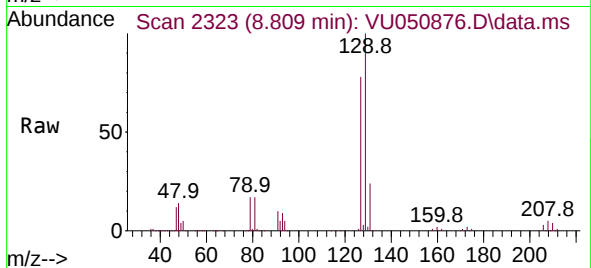
EXZ25MS

Tgt Ion:129 Resp: 274958

Ion Ratio Lower Upper

129 100

127 77.6 54.5 101.1



#50

1,2-Dibromoethane

Concen: 73.266 ug/L

RT: 8.922 min Scan# 2358

Delta R.T. 0.000 min

Lab File: VU050876.D

Acq: 21 Sep 2022 12:24

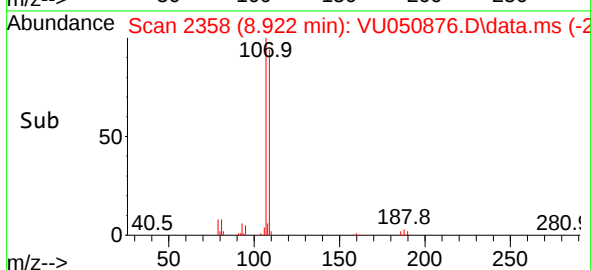
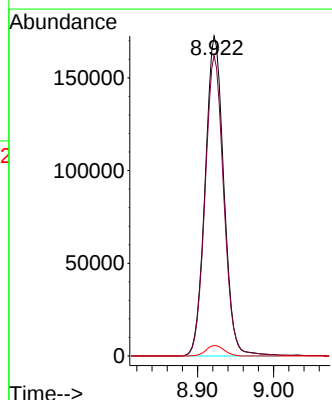
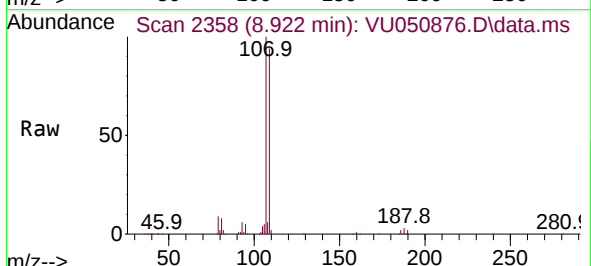
Tgt Ion:107 Resp: 294708

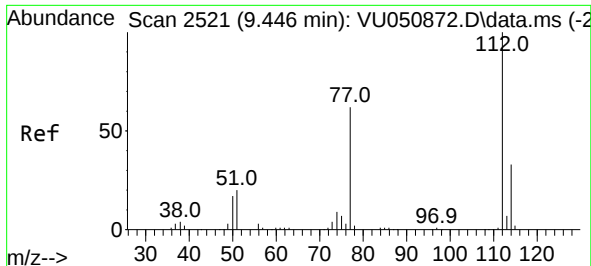
Ion Ratio Lower Upper

107 100

109 93.8 66.0 122.6

188 3.2 2.5 3.7

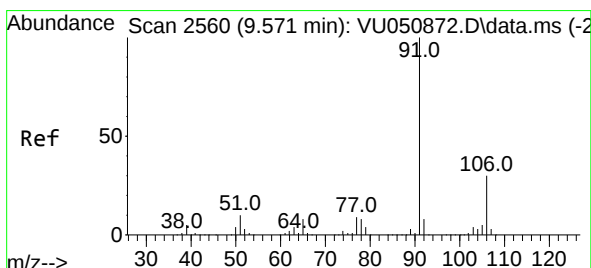
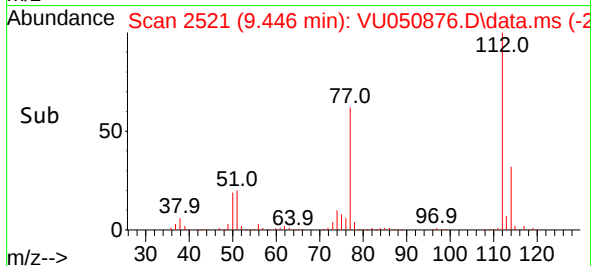
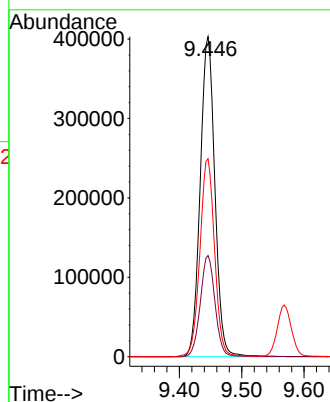
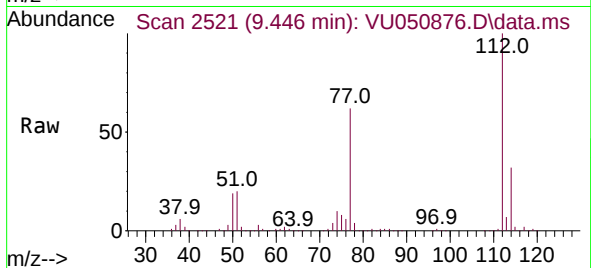




#51  
Chlorobenzene  
Concen: 70.719 ug/L  
RT: 9.446 min Scan# 2521  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

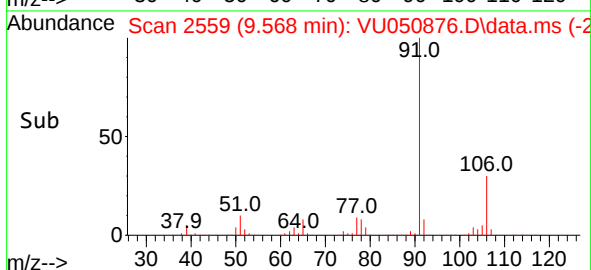
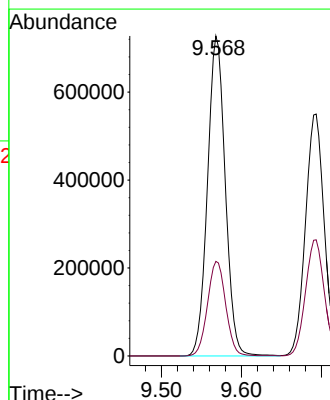
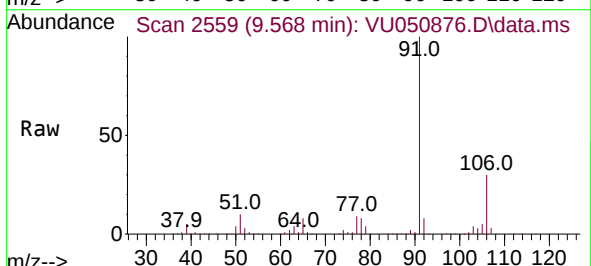
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

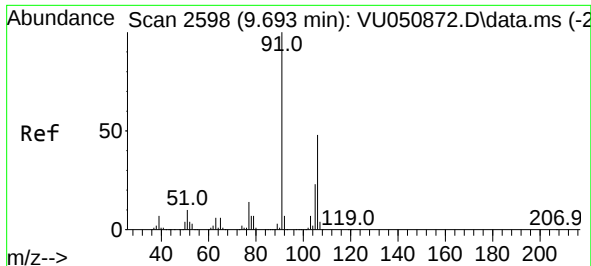
Tgt Ion:112 Resp: 658930  
Ion Ratio Lower Upper  
112 100  
114 31.6 22.3 41.3  
77 61.8 49.8 74.8



#52  
Ethylbenzene  
Concen: 73.859 ug/L  
RT: 9.568 min Scan# 2559  
Delta R.T. -0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 91 Resp: 1124556  
Ion Ratio Lower Upper  
91 100  
106 29.6 21.0 39.0

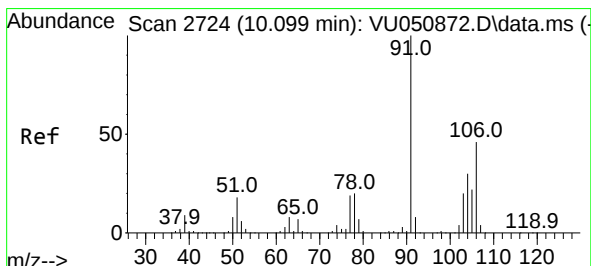
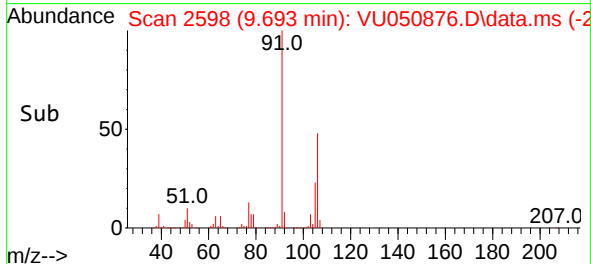
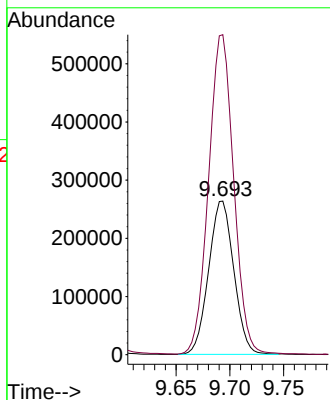
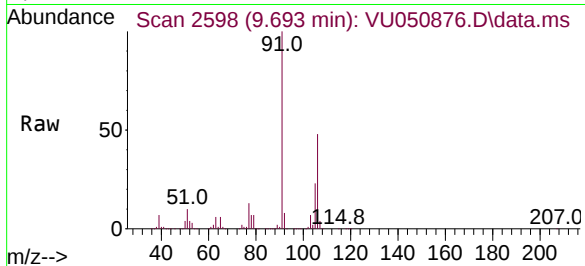




#53  
m,p-Xylene  
Concen: 75.801 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

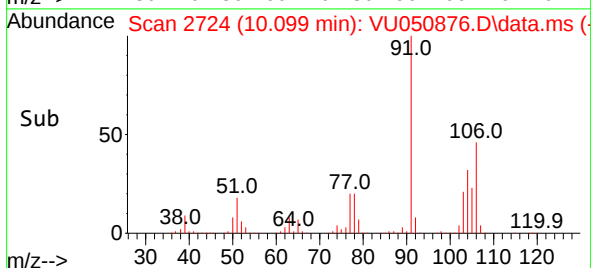
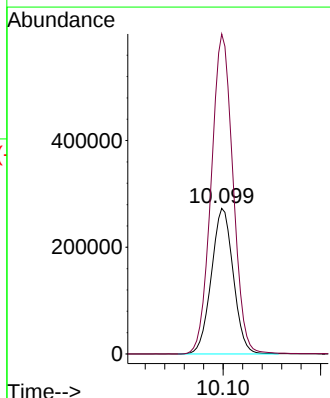
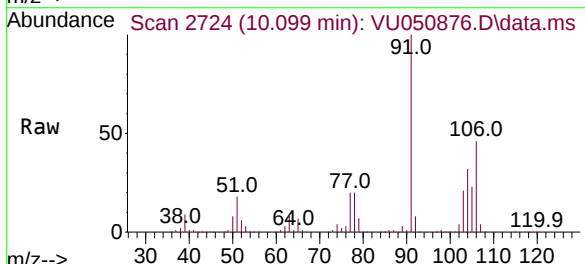
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

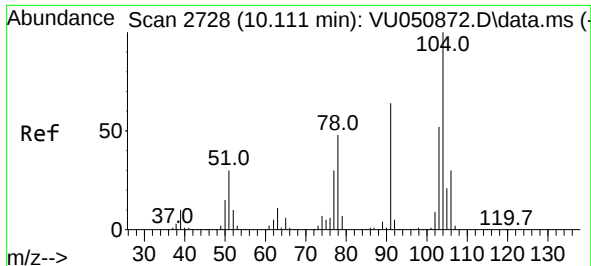
Tgt Ion:106 Resp: 429083  
Ion Ratio Lower Upper  
106 100  
91 208.3 144.0 267.4



#54  
o-Xylene  
Concen: 75.536 ug/L  
RT: 10.099 min Scan# 2724  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion:106 Resp: 426030  
Ion Ratio Lower Upper  
106 100  
91 219.7 154.6 287.0

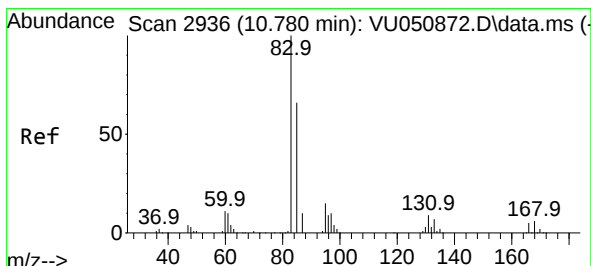
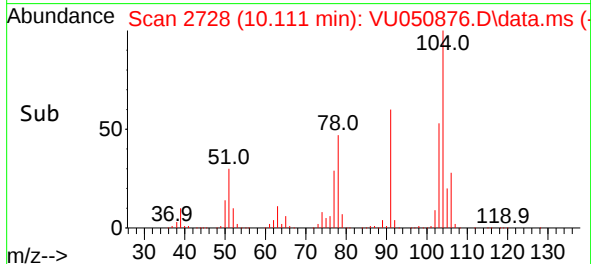
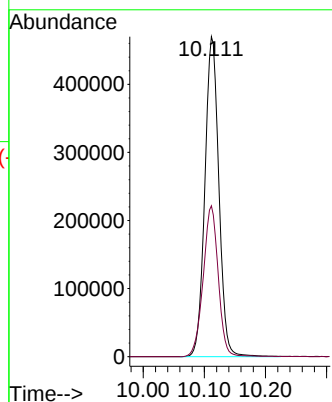
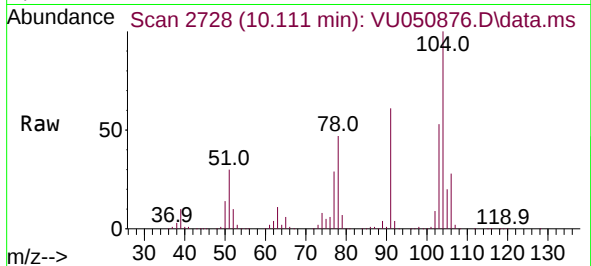




#55  
Styrene  
Concen: 77.430 ug/L  
RT: 10.111 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

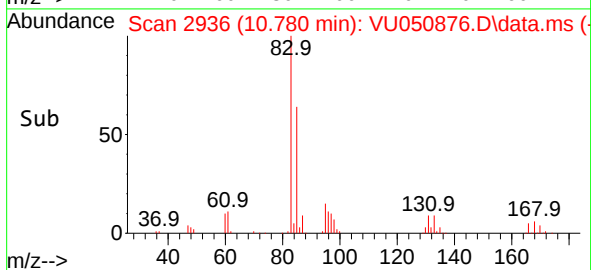
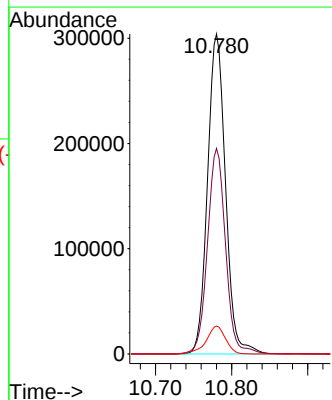
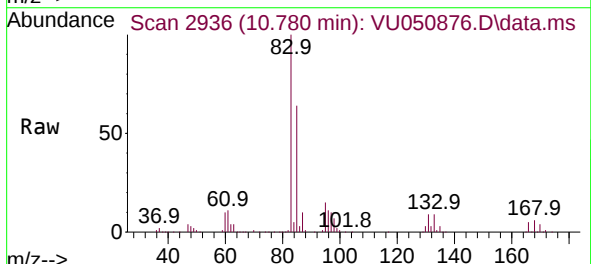
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

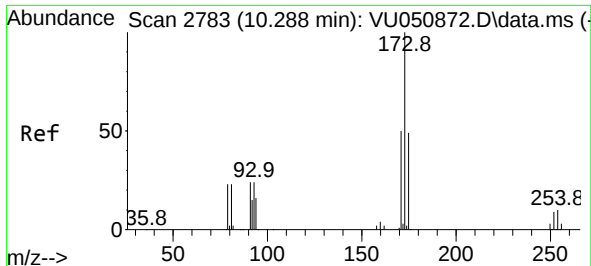
Tgt Ion:104 Resp: 748744  
Ion Ratio Lower Upper  
104 100  
78 47.2 32.4 60.2



#57  
1,1,2,2-Tetrachloroethane  
Concen: 69.548 ug/L  
RT: 10.780 min Scan# 2936  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 83 Resp: 498920  
Ion Ratio Lower Upper  
83 100  
85 64.2 45.1 83.9  
131 8.8 7.1 10.7

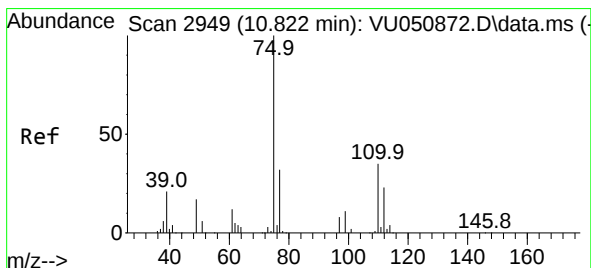
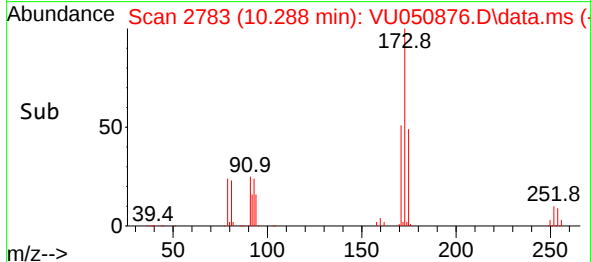
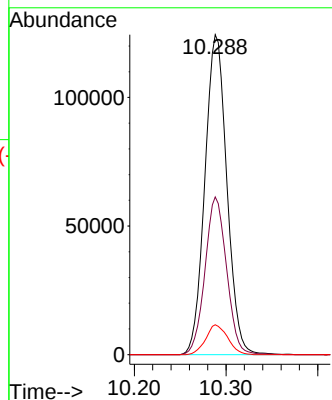
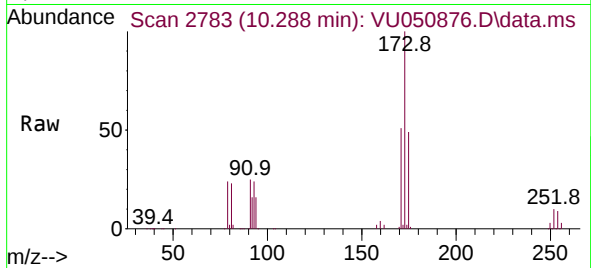




#59  
Bromoform  
Concen: 79.432 ug/L  
RT: 10.288 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

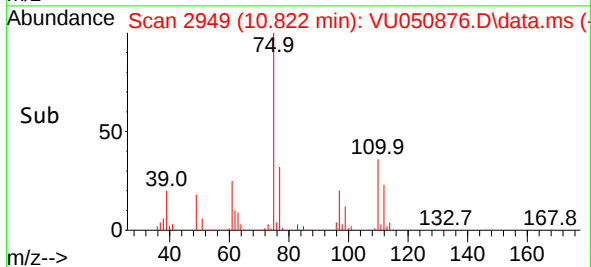
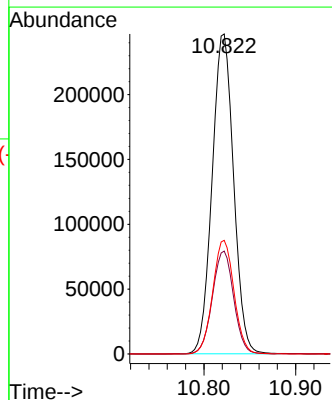
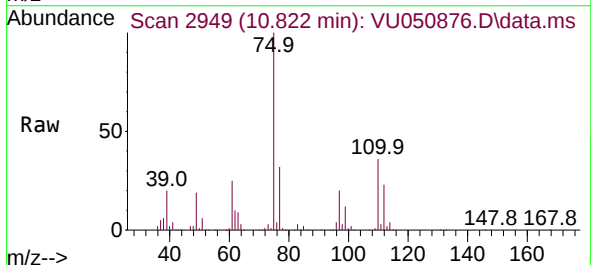
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

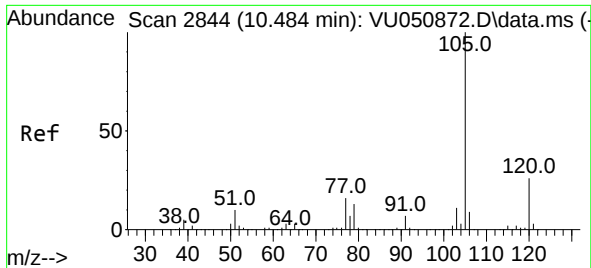
Tgt Ion:173 Resp: 207438  
Ion Ratio Lower Upper  
173 100  
175 48.3 37.8 56.8  
254 9.3 7.1 10.7



#60  
1,2,3-Trichloropropane  
Concen: 78.694 ug/L  
RT: 10.822 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion: 75 Resp: 400497  
Ion Ratio Lower Upper  
75 100  
77 32.1 26.2 39.4  
110 35.3 28.6 43.0

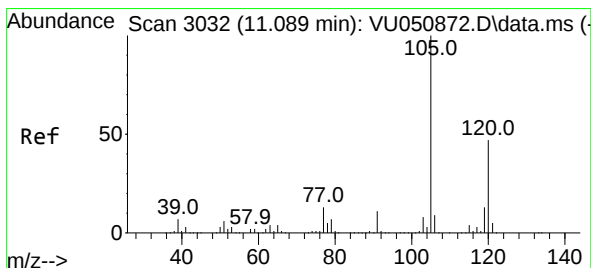
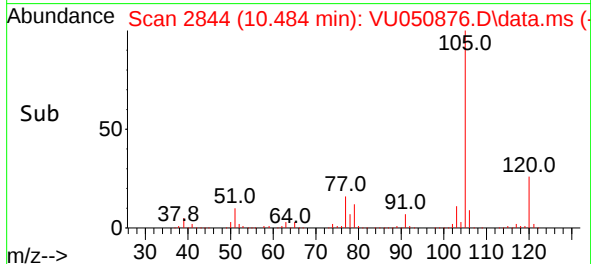
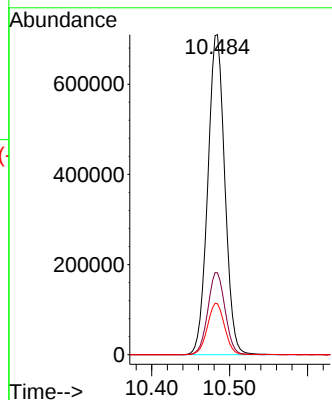
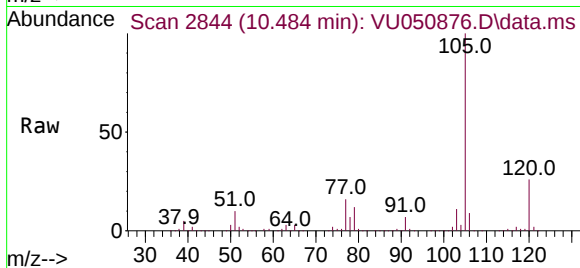




#61  
Isopropylbenzene  
Concen: 83.438 ug/L  
RT: 10.484 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

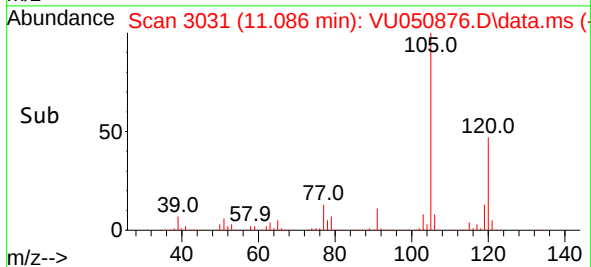
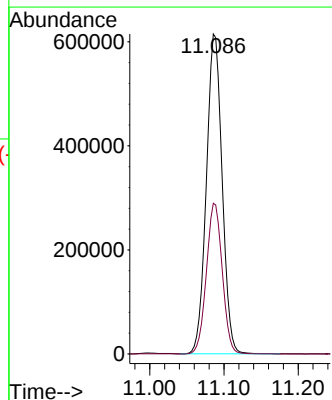
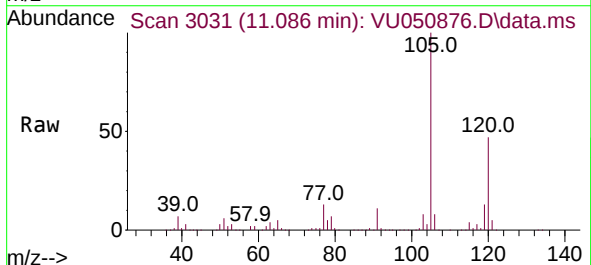
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

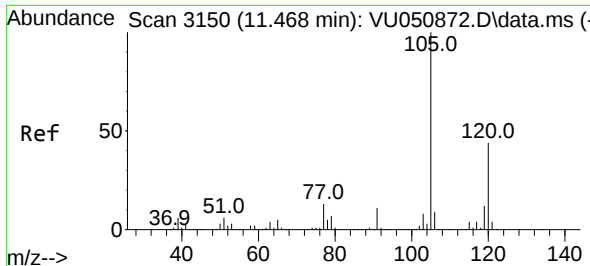
Tgt Ion:105 Resp: 1078895  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.5 30.7  
77 16.2 12.9 19.3



#62  
1,3,5-Trimethylbenzene  
Concen: 85.126 ug/L  
RT: 11.086 min Scan# 3031  
Delta R.T. -0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion:105 Resp: 904849  
Ion Ratio Lower Upper  
105 100  
120 47.4 37.9 56.9

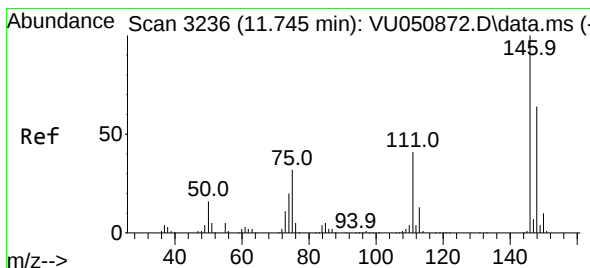
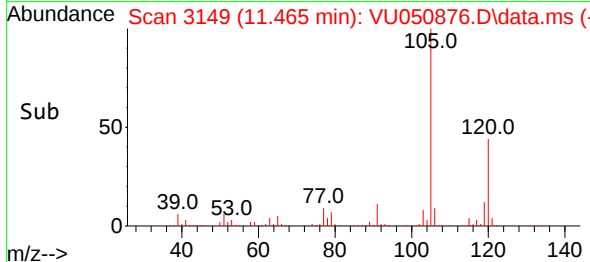
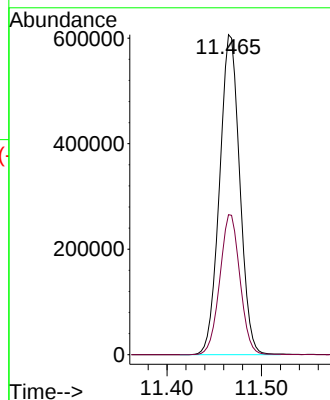
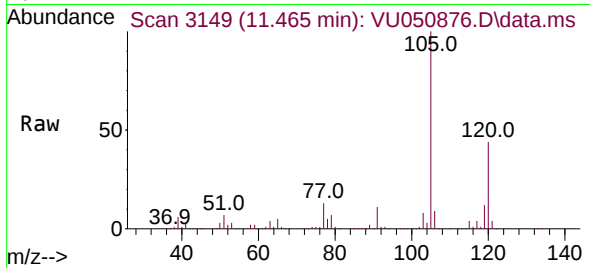




#63  
1,2,4-Trimethylbenzene  
Concen: 85.460 ug/L  
RT: 11.465 min Scan# 3150  
Delta R.T. -0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

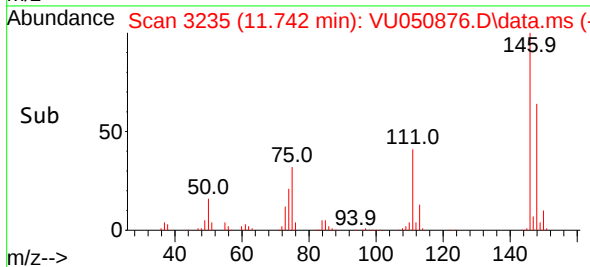
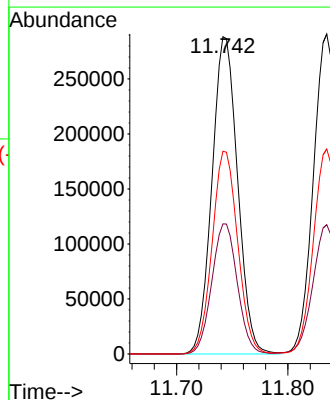
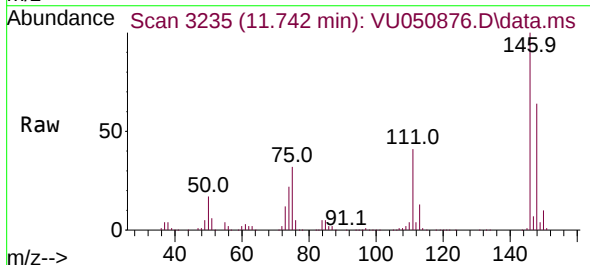
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

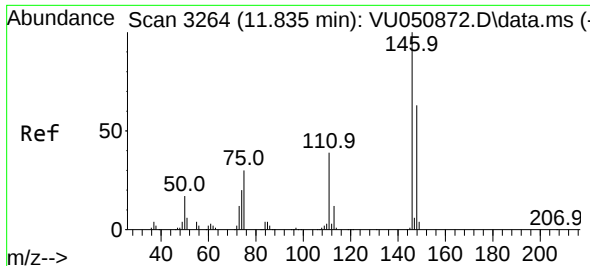
Tgt Ion:105 Resp: 899605  
Ion Ratio Lower Upper  
105 100  
120 43.8 34.9 52.3



#64  
1,3-Dichlorobenzene  
Concen: 77.949 ug/L  
RT: 11.742 min Scan# 3235  
Delta R.T. -0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion:146 Resp: 460919  
Ion Ratio Lower Upper  
146 100  
111 41.0 27.9 51.7  
148 63.9 44.4 82.5

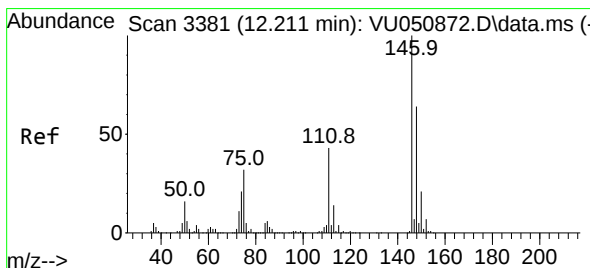
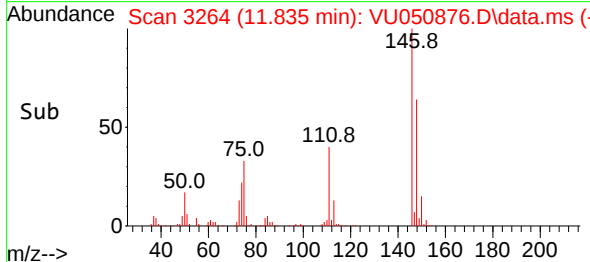
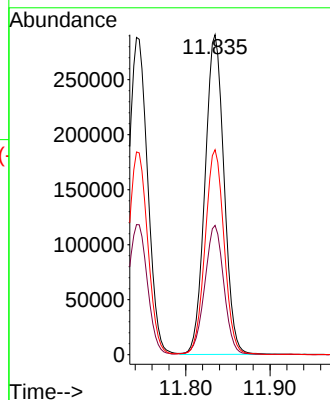
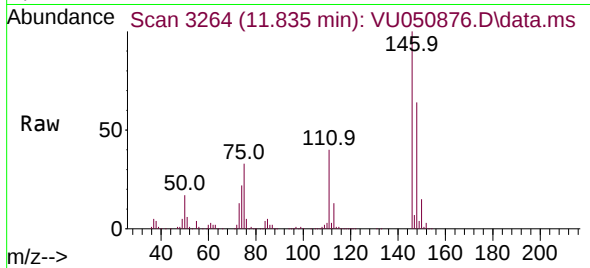




#65  
1,4-Dichlorobenzene  
Concen: 76.229 ug/L  
RT: 11.835 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

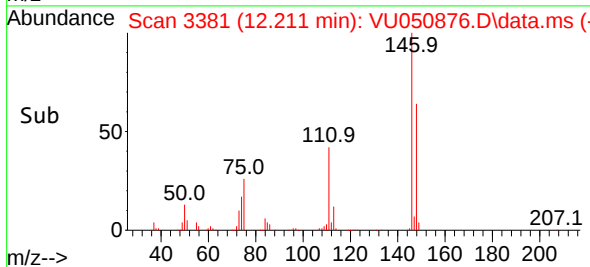
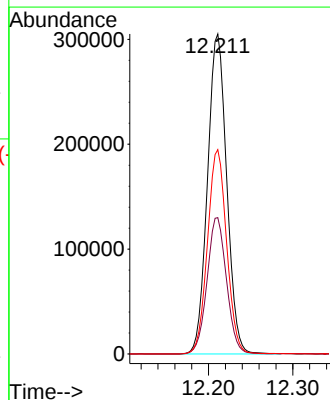
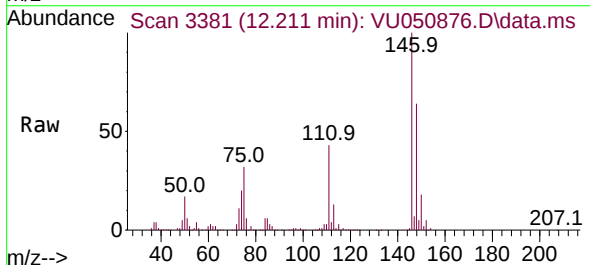
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

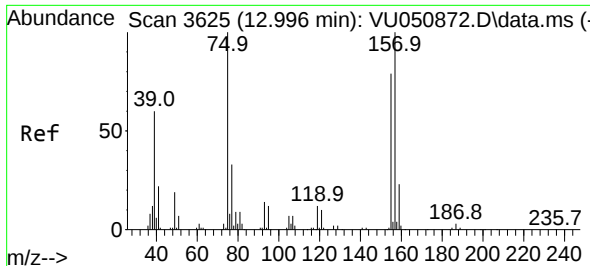
Tgt Ion:146 Resp: 457608  
Ion Ratio Lower Upper  
146 100  
111 40.4 27.5 51.1  
148 64.0 45.4 84.2



#67  
1,2-Dichlorobenzene  
Concen: 77.359 ug/L  
RT: 12.211 min Scan# 3381  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion:146 Resp: 484344  
Ion Ratio Lower Upper  
146 100  
111 42.6 35.2 52.8  
148 63.9 52.0 78.0

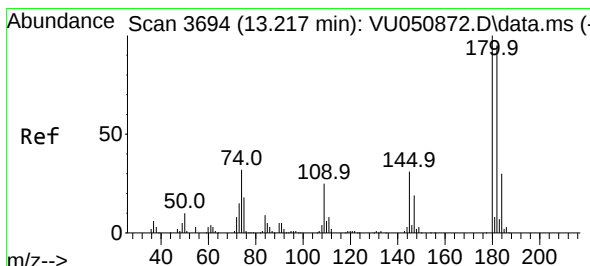
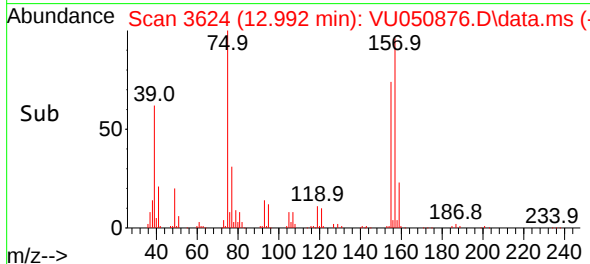
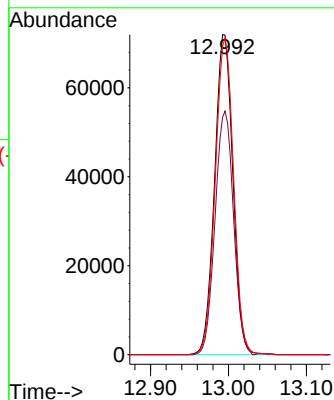
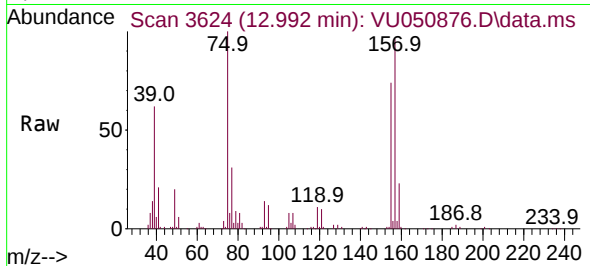




#68  
1,2-Dibromo-3-chloropropane  
Concen: 84.020 ug/L  
RT: 12.992 min Scan# 3624  
Delta R.T. -0.003 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

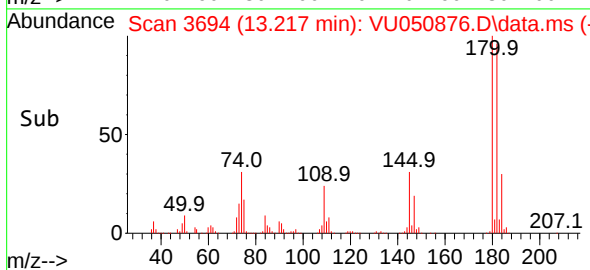
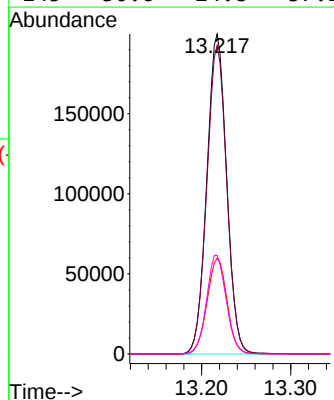
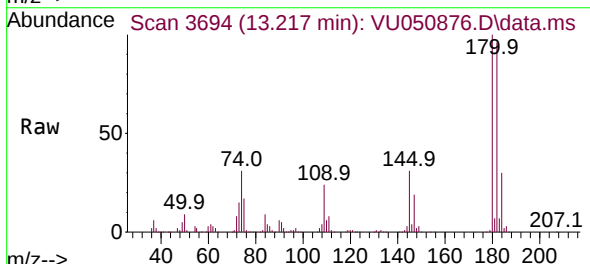
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ25MS

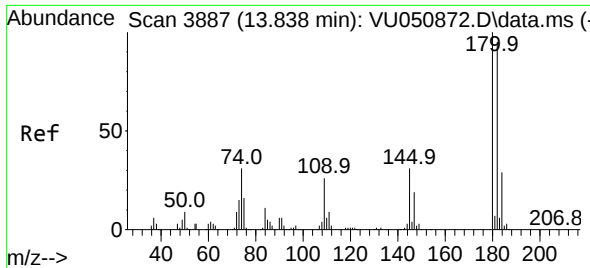
Tgt Ion: 75 Resp: 117607  
Ion Ratio Lower Upper  
75 100  
155 74.2 63.8 95.8  
157 96.2 81.8 122.8



#69  
1,3,5-Trichlorobenzene  
Concen: 74.679 ug/L  
RT: 13.217 min Scan# 3694  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

Tgt Ion:180 Resp: 308957  
Ion Ratio Lower Upper  
180 100  
182 96.7 78.2 117.2  
184 30.1 24.8 37.2  
145 30.6 24.8 37.2

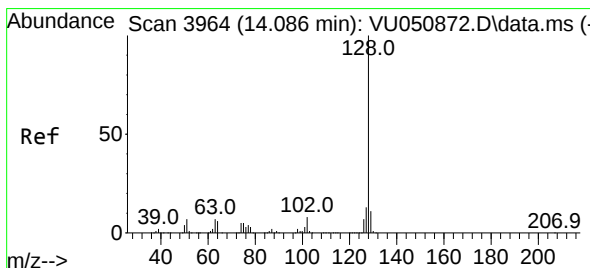
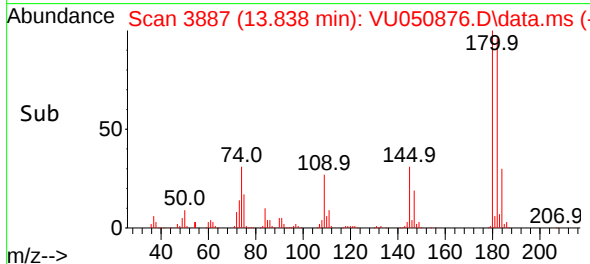
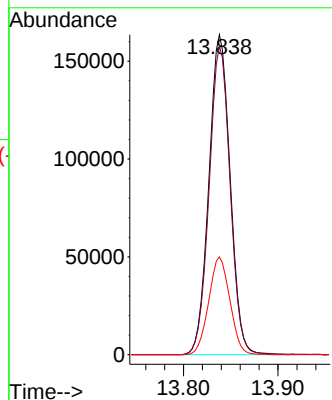
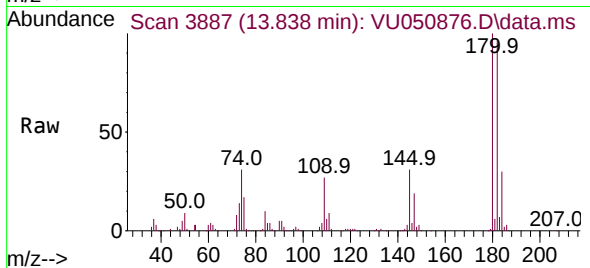




#70  
1,2,4-trichlorobenzene  
Concen: 75.470 ug/L  
RT: 13.838 min Scan# 3887  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

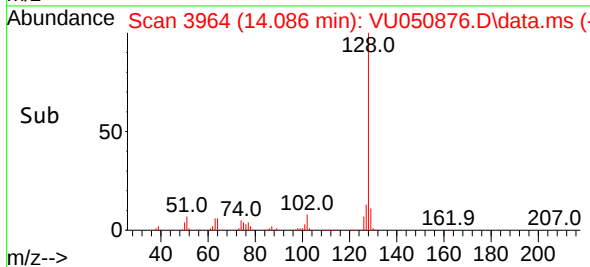
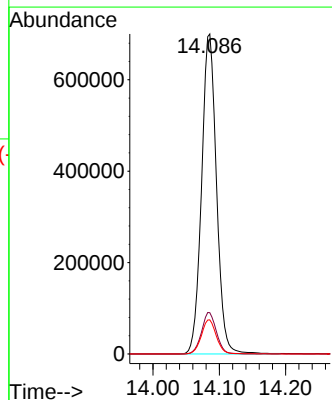
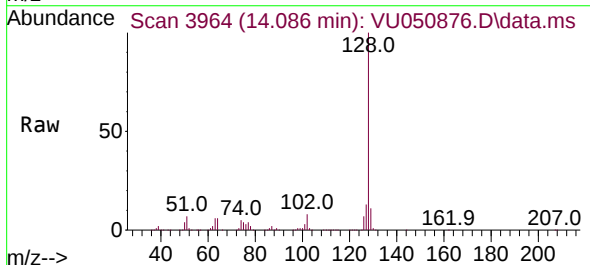
Instrument :  
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ClientSampleId :  
EXZ25MS

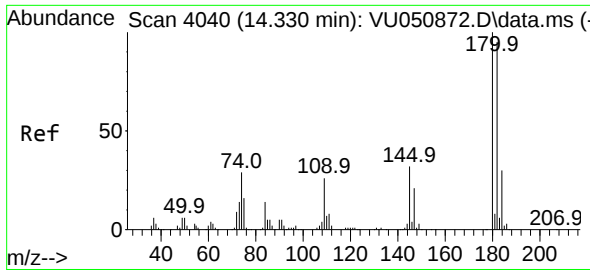
Tgt Ion:180 Resp: 255515  
Ion Ratio Lower Upper  
180 100  
182 95.1 76.2 114.2  
145 30.4 25.1 37.7



#71  
Naphthalene  
Concen: 84.089 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU050876.D  
Acq: 21 Sep 2022 12:24

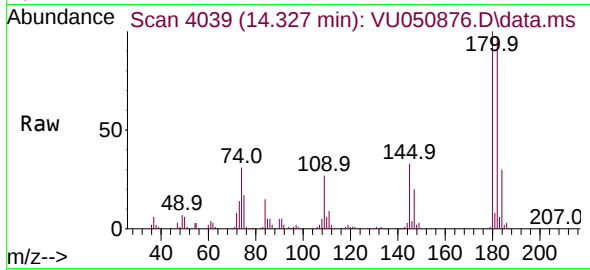
Tgt Ion:128 Resp: 1094152  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 16.0  
129 10.7 8.5 12.7





#72  
 1,2,3-Trichlorobenzene  
 Concen: 78.467 ug/L  
 RT: 14.327 min Scan# 40  
 Delta R.T. -0.003 min  
 Lab File: VU050876.D  
 Acq: 21 Sep 2022 12:24

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ25MS



Tgt Ion:180 Resp: 297329  
 Ion Ratio Lower Upper  
 180 100  
 182 97.2 76.9 115.3  
 145 32.3 26.3 39.5

