

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042822\  
 Data File : VU048329.D  
 Acq On : 28 Apr 2022 09:55  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Apr 29 04:24:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM042522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 28 04:33:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 383784   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 384654   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 217962   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601   | 65    | 157863   | 44.731   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.460%  |
| 7) Chloroethane-d5            | 1.906   | 69    | 127080   | 51.299   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 102.600% |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 274211   | 48.492   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.980%  |
| 21) 2-Butanone-d5             | 4.626   | 46    | 294800   | 97.938   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 97.940%  |
| 24) Chloroform-d              | 5.067   | 84    | 319615   | 49.930   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.860%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 193746   | 51.011   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.020% |
| 32) Benzene-d6                | 5.729   | 84    | 656485   | 54.114   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 108.220% |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 206484   | 51.483   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 102.960% |
| 41) Toluene-d8                | 7.899   | 98    | 625618   | 56.893   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 113.780% |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 96091    | 54.297   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 108.600% |
| 47) 2-Hexanone-d5             | 8.639   | 63    | 223254   | 103.174  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 103.170% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 339147   | 48.215   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 96.420%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 256376   | 52.288   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 104.580% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 128308   | 44.245   | ug/L   | 100      |
| 3) Chloromethane              | 1.523   | 50    | 133168   | 40.120   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.607   | 62    | 147450   | 44.083   | ug/L   | 87       |
| 6) Bromomethane               | 1.855   | 94    | 61332    | 39.897   | ug/L   | 99       |
| 8) Chloroethane               | 1.925   | 64    | 105273   | 55.662   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.134   | 101   | 223666   | 51.311   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581   | 101   | 143374   | 49.592   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.581   | 96    | 123735   | 49.031   | ug/L   | 97       |
| 13) Acetone                   | 2.633   | 43    | 216570   | 112.073  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.793   | 76    | 275662   | 44.819   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.951   | 43    | 180794   | 47.132   | ug/L   | 96       |
| 16) Methylene chloride        | 3.047   | 84    | 156861   | 48.213   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 3.356   | 96    | 130666   | 49.841   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.366   | 73    | 461073   | 53.304   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.871   | 63    | 267301   | 48.758   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 164633   | 52.097   | ug/L   | 95       |
| 22) 2-Butanone                | 4.707   | 43    | 298626   | 104.506  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.977   | 128   | 91028    | 51.594   | ug/L   | 94       |
| 25) Chloroform                | 5.089   | 83    | 286535   | 51.184   | ug/L   | 99       |

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 Data File : VU048329.D  
 Acq On : 28 Apr 2022 09:55  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

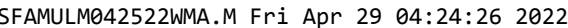
Instrument :  
 MSVOA\_U  
 ClientSampleId :

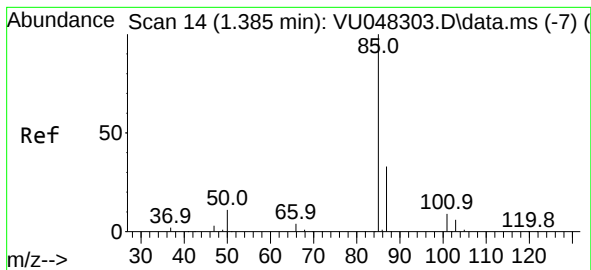
Quant Time: Apr 29 04:24:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM042522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 28 04:33:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 212917   | 52.143  | ug/L  | 98       |
| 29) Cyclohexane               | 5.391  | 56   | 188936   | 51.986  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 237812   | 54.672  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 202288   | 54.563  | ug/L  | 99       |
| 33) Benzene                   | 5.774  | 78   | 607215   | 53.318  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 151466   | 54.261  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 217984   | 55.621  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 167075   | 51.563  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 218348   | 53.360  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 248320   | 54.500  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 516852   | 105.758 | ug/L  | 99       |
| 42) Toluene                   | 7.970  | 91   | 667486   | 55.825  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 240410   | 54.011  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 176983   | 52.060  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.555  | 164  | 129463   | 54.039  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.690  | 43   | 430043   | 105.375 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.809  | 129  | 193855   | 51.893  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 183411   | 53.202  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.449  | 112  | 446825   | 51.845  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 691691   | 55.859  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 279346   | 57.166  | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 279368   | 56.750  | ug/L  | 100      |
| 55) Styrene                   | 10.115 | 104  | 466049   | 55.573  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 331188   | 49.361  | ug/L  | 100      |
| 59) Bromoform                 | 10.292 | 173  | 161532   | 51.066  | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 254317   | 50.016  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 710567   | 58.306  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 379821   | 59.132  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 587000   | 59.440  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 364934   | 53.412  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 361823   | 51.873  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 375624   | 52.188  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 70659    | 52.055  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 278384   | 54.832  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 228424   | 56.950  | ug/L  | 98       |
| 71) Naphthalene               | 14.086 | 128  | 700555   | 61.032  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 241375   | 58.721  | ug/L  | 99       |

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

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Response via : Initial Calibration

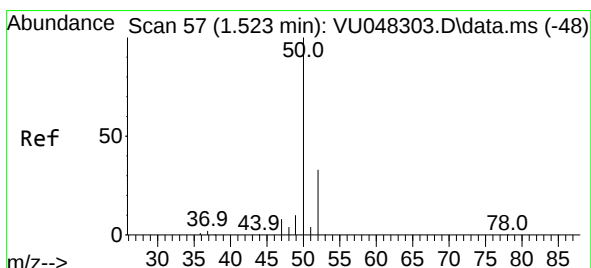
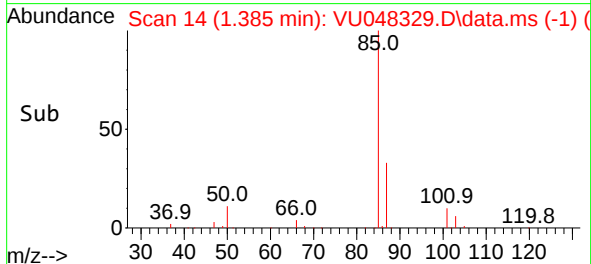
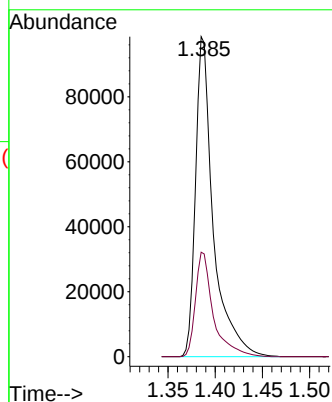
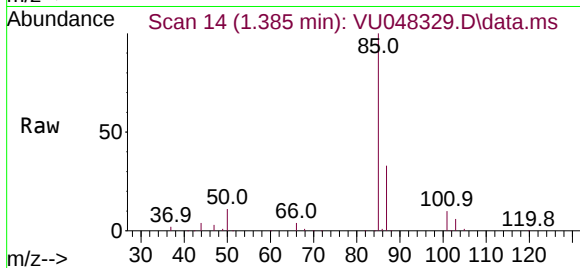




#2  
Dichlorodifluoromethane  
Concen: 44.245 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

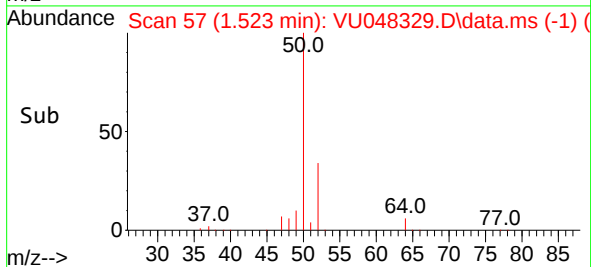
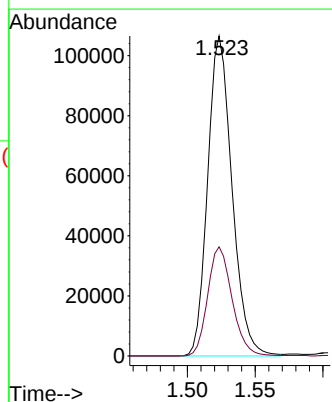
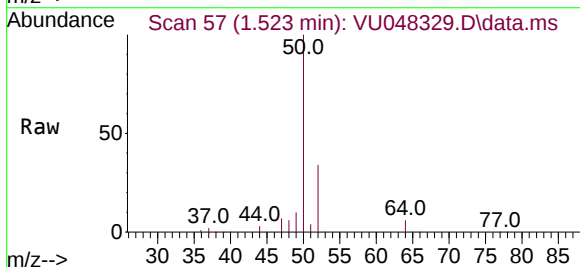
Instrument :  
MSVOA\_U  
ClientSampleId :

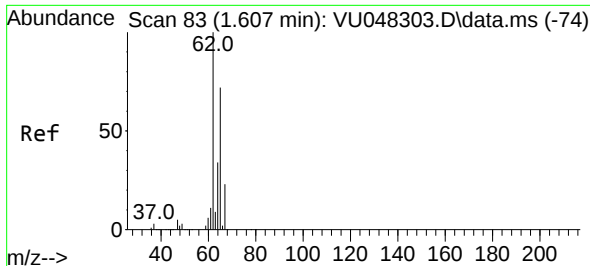
Tgt Ion: 85 Resp: 128308  
Ion Ratio Lower Upper  
85 100  
87 32.8 26.1 39.1



#3  
Chloromethane  
Concen: 40.120 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

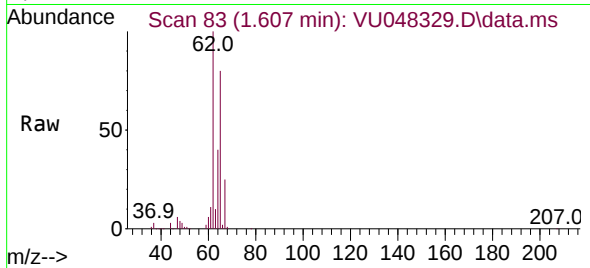
Tgt Ion: 50 Resp: 133168  
Ion Ratio Lower Upper  
50 100  
52 34.1 23.2 43.2



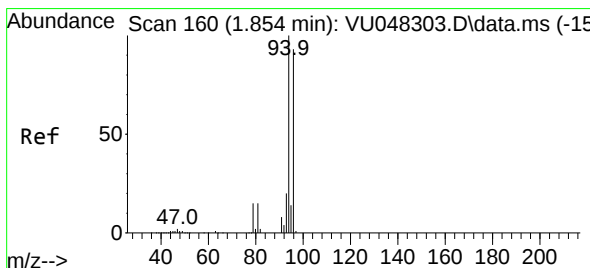
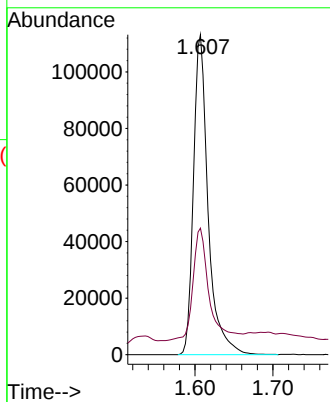
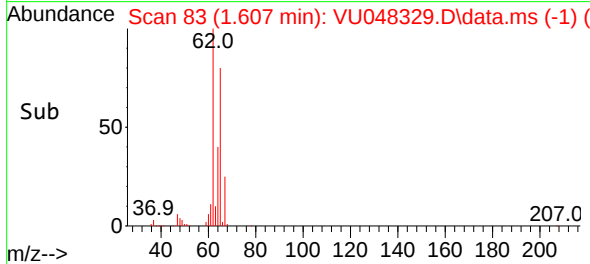


#5  
 Vinyl chloride  
 Concen: 44.083 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. 0.000 min  
 Lab File: VU048329.D  
 Acq: 28 Apr 2022 09:55

Instrument :  
 MSVOA\_U  
 ClientSampleId :

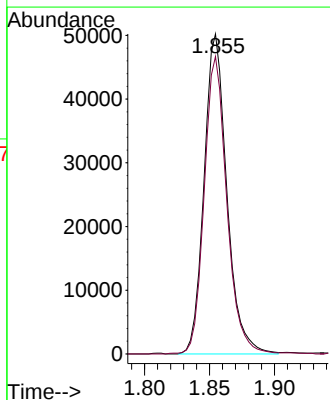
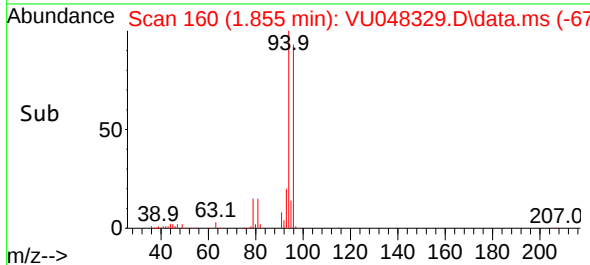
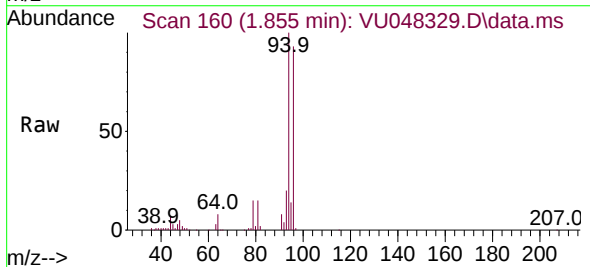


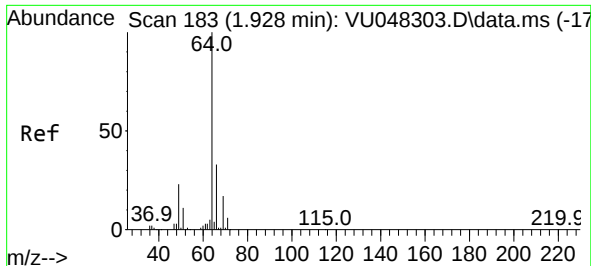
Tgt Ion: 62 Resp: 147450  
 Ion Ratio Lower Upper  
 62 100  
 64 39.6 22.5 41.7



#6  
 Bromomethane  
 Concen: 39.897 ug/L  
 RT: 1.855 min Scan# 160  
 Delta R.T. 0.000 min  
 Lab File: VU048329.D  
 Acq: 28 Apr 2022 09:55

Tgt Ion: 94 Resp: 61332  
 Ion Ratio Lower Upper  
 94 100  
 96 92.9 65.8 122.2

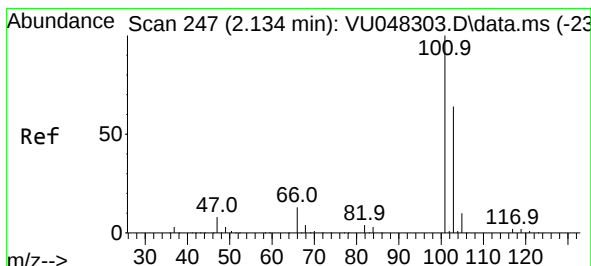
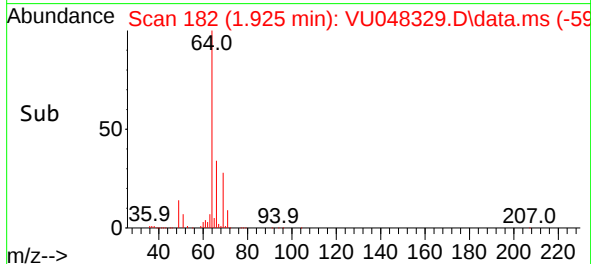
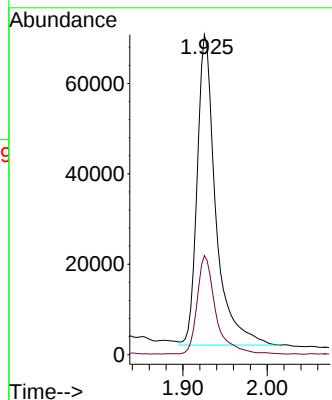
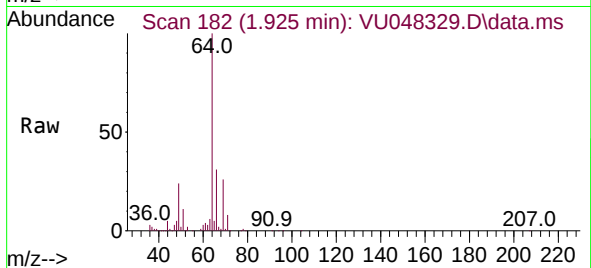




#8  
Chloroethane  
Concen: 55.662 ug/L  
RT: 1.925 min Scan# 183  
Delta R.T. -0.003 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

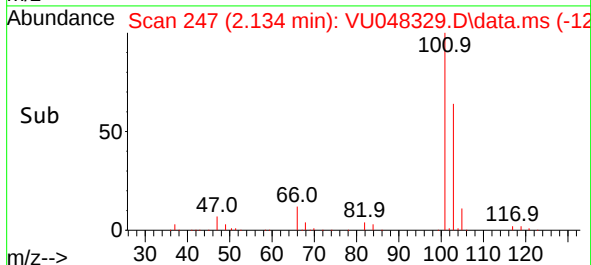
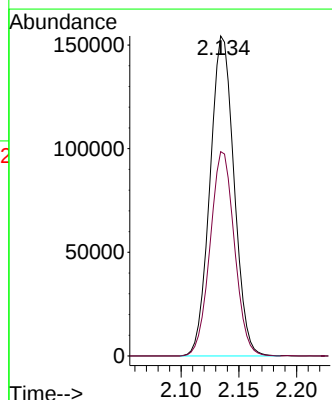
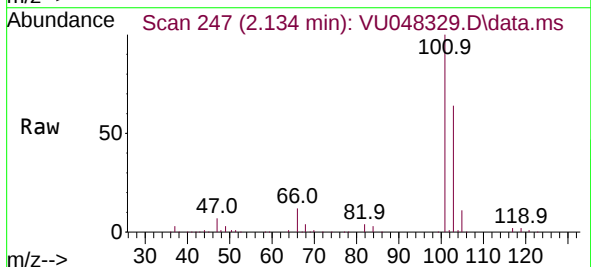
Instrument :  
MSVOA\_U  
ClientSampleId :

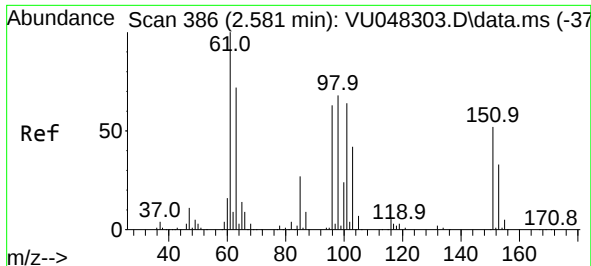
Tgt Ion: 64 Resp: 105273  
Ion Ratio Lower Upper  
64 100  
66 30.9 21.9 40.7



#9  
Trichlorofluoromethane  
Concen: 51.311 ug/L  
RT: 2.134 min Scan# 247  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion:101 Resp: 223666  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.9 77.9

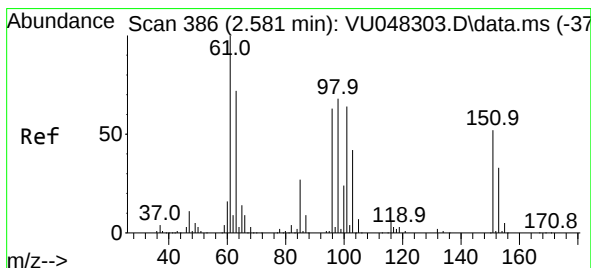
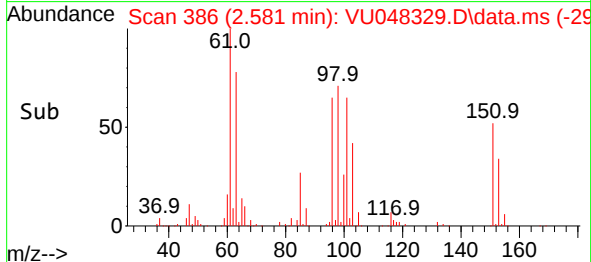
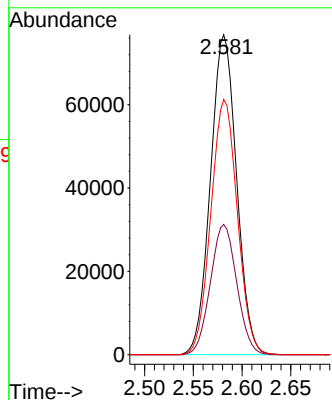
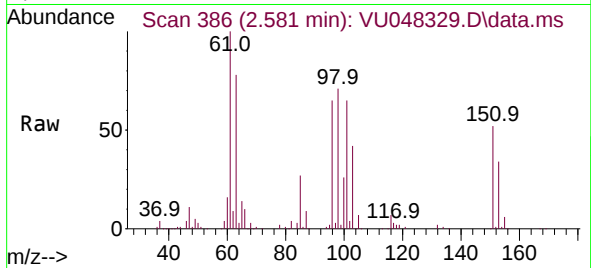




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 49.592 ug/L  
 RT: 2.581 min Scan# 386  
 Delta R.T. 0.000 min  
 Lab File: VU048329.D  
 Acq: 28 Apr 2022 09:55

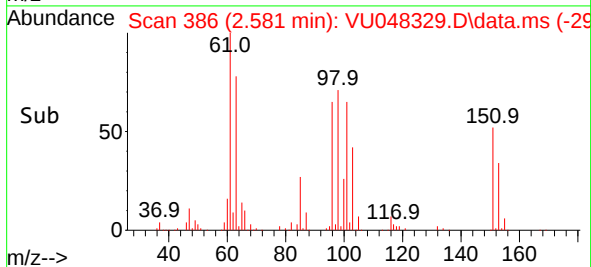
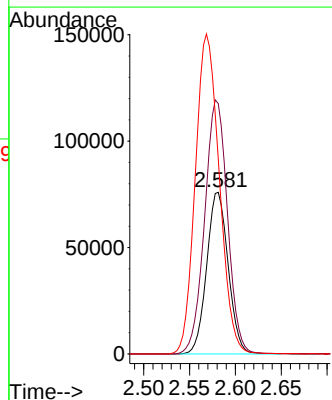
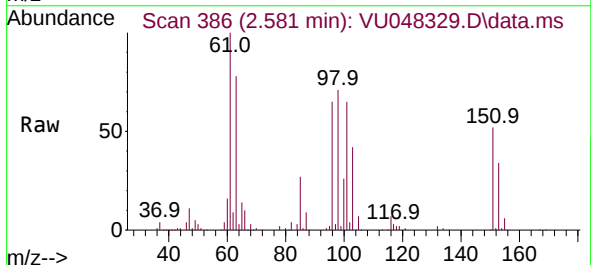
Instrument :  
 MSVOA\_U  
 ClientSampleId :

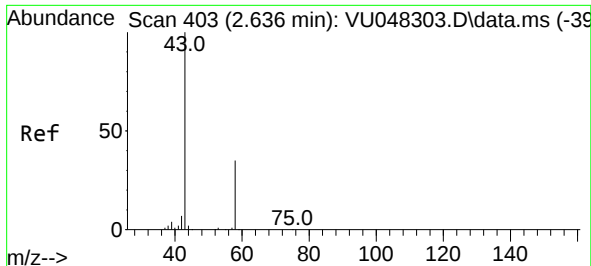
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 Ion Ratio Lower Upper  
 101 100  
 85 41.0 32.6 48.8  
 151 81.0 64.1 96.1



#12  
 1,1-Dichloroethene  
 Concen: 49.031 ug/L  
 RT: 2.581 min Scan# 386  
 Delta R.T. 0.000 min  
 Lab File: VU048329.D  
 Acq: 28 Apr 2022 09:55

Tgt Ion: 96 Resp: 123735  
 Ion Ratio Lower Upper  
 96 100  
 61 154.9 107.9 200.3  
 63 120.6 80.3 149.1





#13

Acetone

Concen: 112.073 ug/L

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

Instrument :

MSVOA\_U

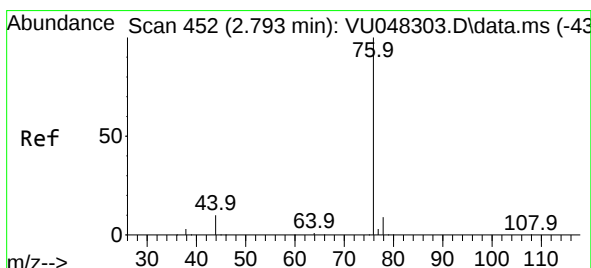
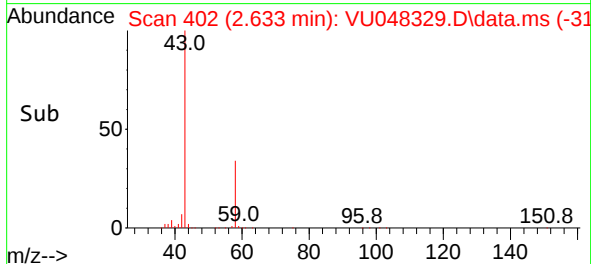
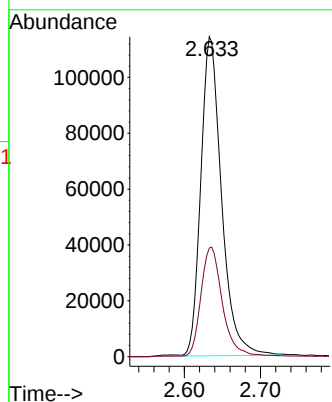
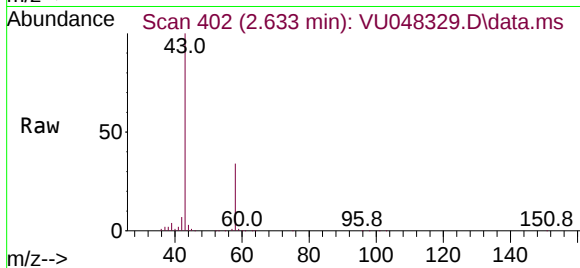
ClientSampleId :

Tgt Ion: 43 Resp: 216570

Ion Ratio Lower Upper

43 100

58 35.2 0.0 71.2



#14

Carbon disulfide

Concen: 44.819 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU048329.D

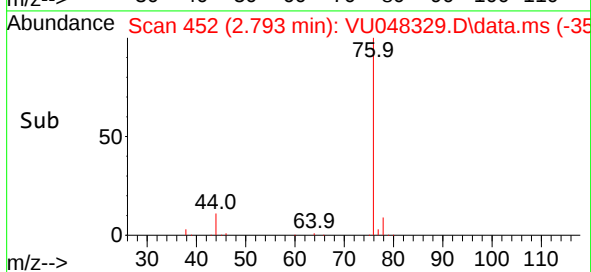
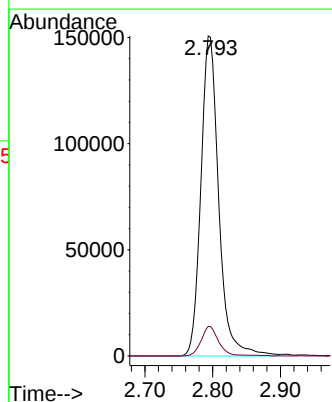
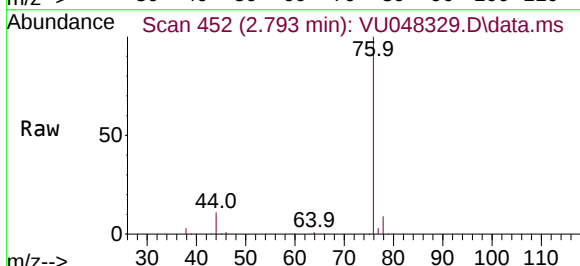
Acq: 28 Apr 2022 09:55

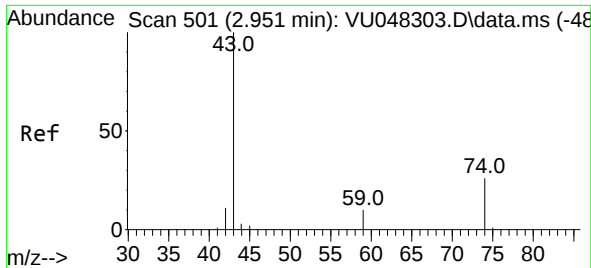
Tgt Ion: 76 Resp: 275662

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

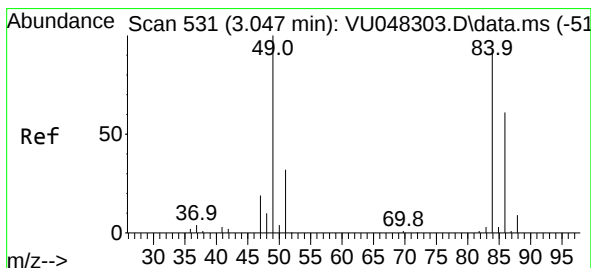
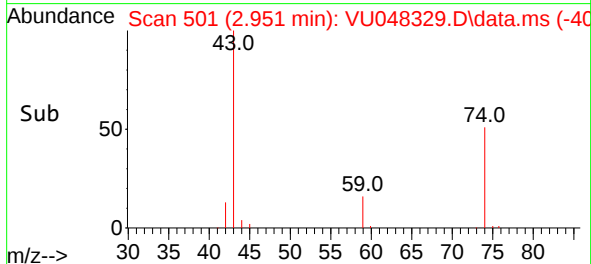
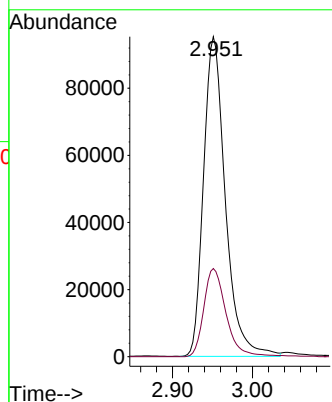
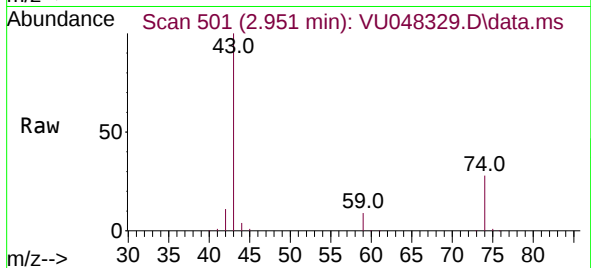




#15  
Methyl Acetate  
Concen: 47.132 ug/L  
RT: 2.951 min Scan# 501  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

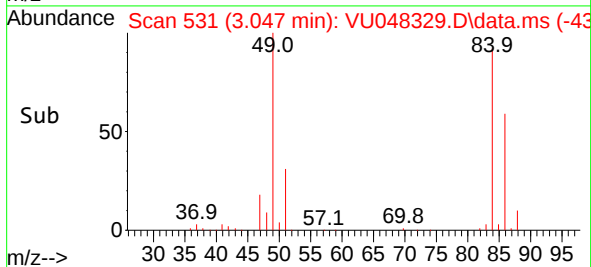
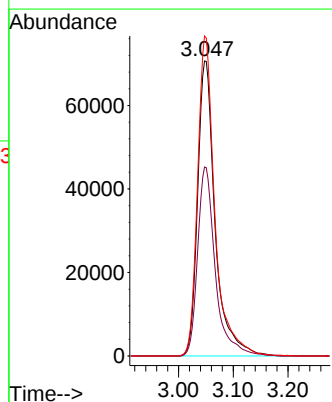
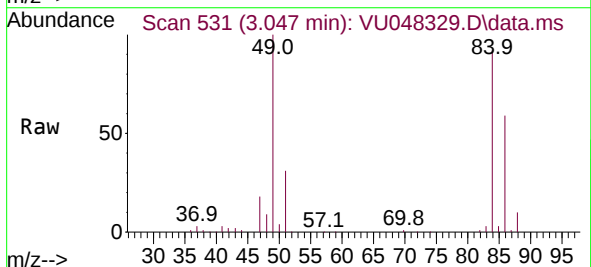
Instrument :  
MSVOA\_U  
ClientSampleId :

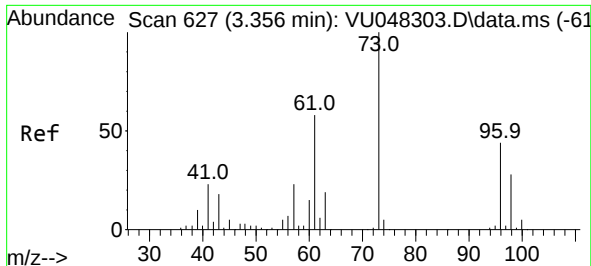
Tgt Ion: 43 Resp: 180794  
Ion Ratio Lower Upper  
43 100  
74 28.1 21.0 31.6



#16  
Methylene chloride  
Concen: 48.213 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion: 84 Resp: 156861  
Ion Ratio Lower Upper  
84 100  
86 64.0 45.4 84.2  
49 108.4 79.2 147.0

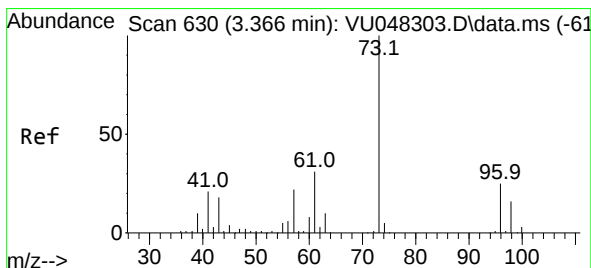
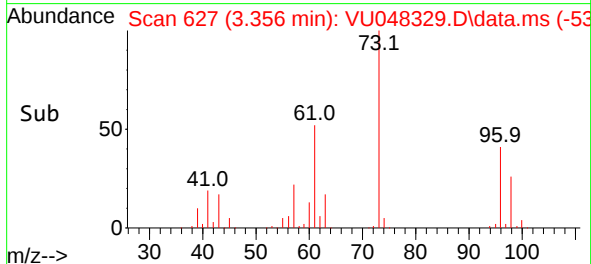
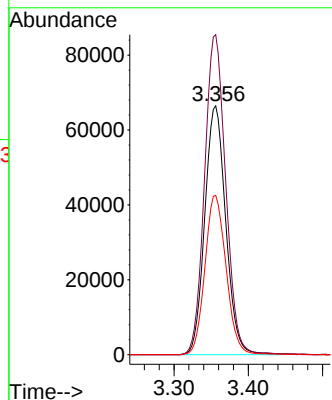
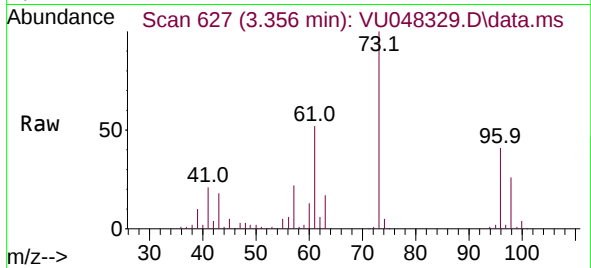




#17  
trans-1,2-Dichloroethene  
Concen: 49.841 ug/L  
RT: 3.356 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

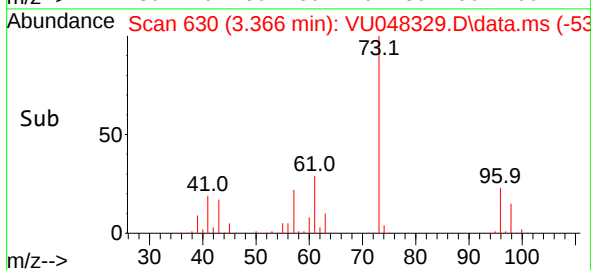
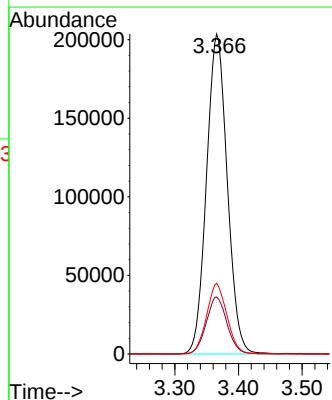
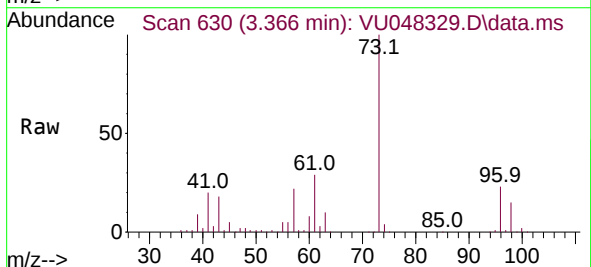
Instrument :  
MSVOA\_U  
ClientSampleId :

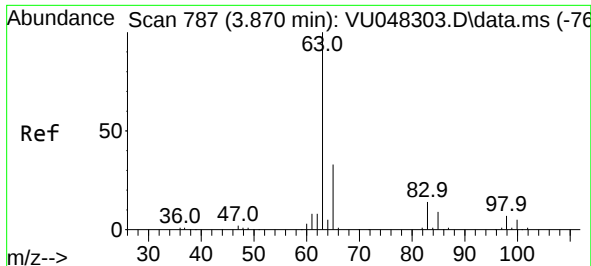
Tgt Ion: 96 Resp: 130666  
Ion Ratio Lower Upper  
96 100  
61 128.6 95.2 176.8  
98 64.1 44.7 83.1



#18  
Methyl tert-butyl Ether  
Concen: 53.304 ug/L  
RT: 3.366 min Scan# 630  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion: 73 Resp: 461073  
Ion Ratio Lower Upper  
73 100  
43 17.9 13.8 20.6  
57 21.6 17.9 26.9





#19

1,1-Dichloroethane

Concen: 48.758 ug/L

RT: 3.871 min Scan# 787

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

Instrument :

MSVOA\_U

ClientSampleId :

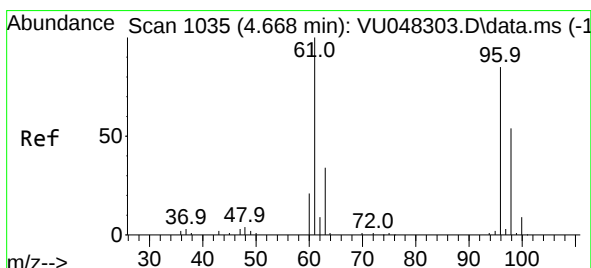
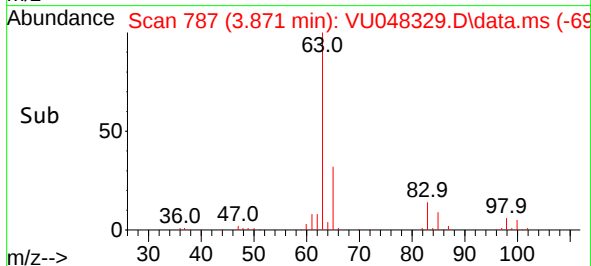
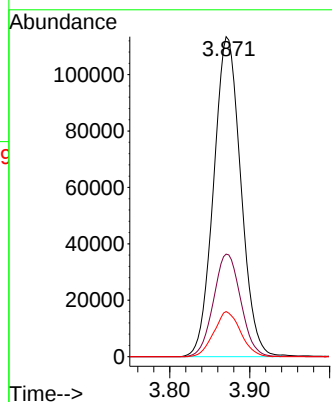
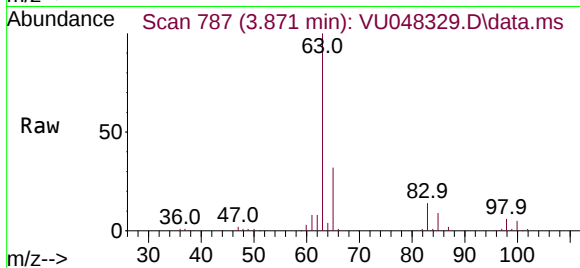
Tgt Ion: 63 Resp: 267301

Ion Ratio Lower Upper

63 100

65 32.1 22.0 40.8

83 14.1 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 52.097 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

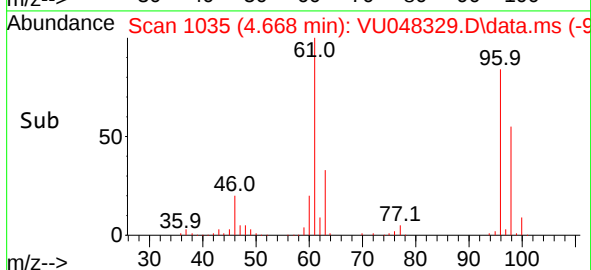
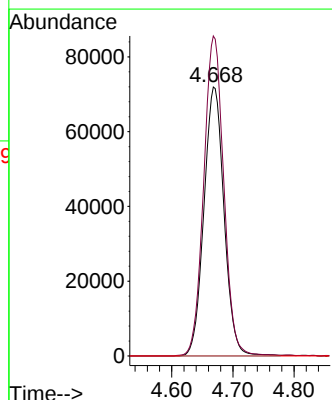
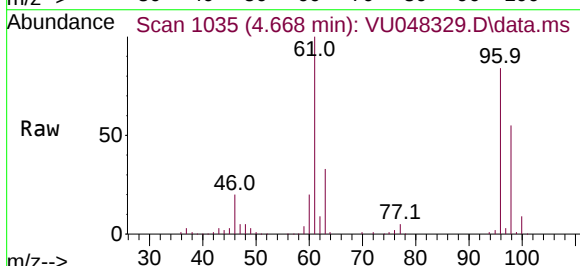
Tgt Ion: 96 Resp: 164633

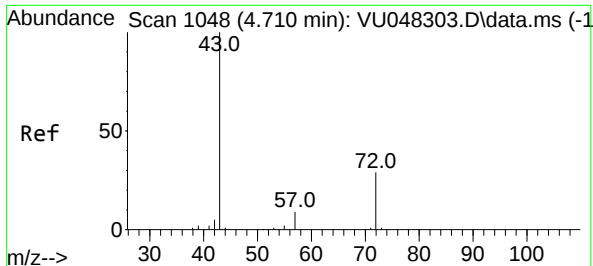
Ion Ratio Lower Upper

96 100

61 118.9 87.0 161.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.506 ug/L

RT: 4.707 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

Instrument :

MSVOA\_U

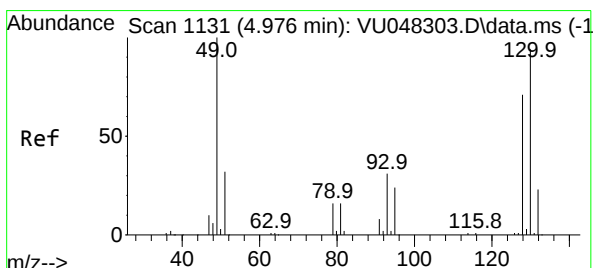
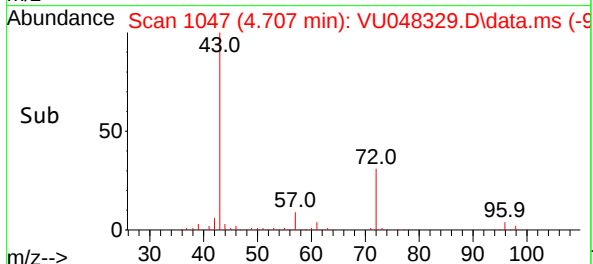
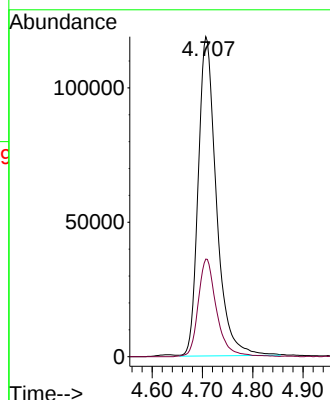
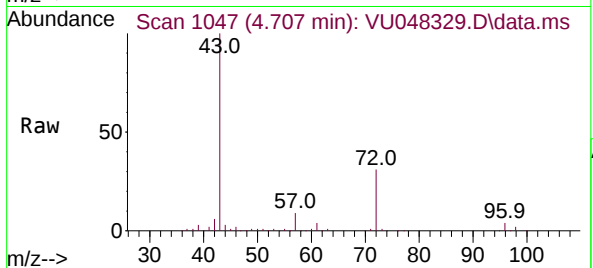
ClientSampleId :

Tgt Ion: 43 Resp: 298626

Ion Ratio Lower Upper

43 100

72 30.8 14.6 43.8



#23

Bromochloromethane

Concen: 51.594 ug/L

RT: 4.977 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

Tgt Ion: 128 Resp: 91028

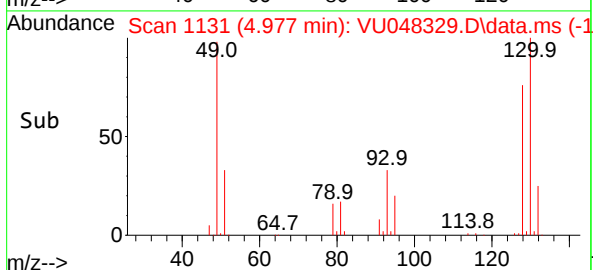
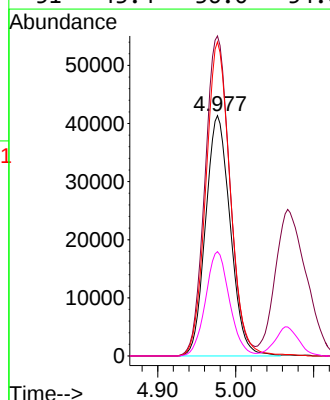
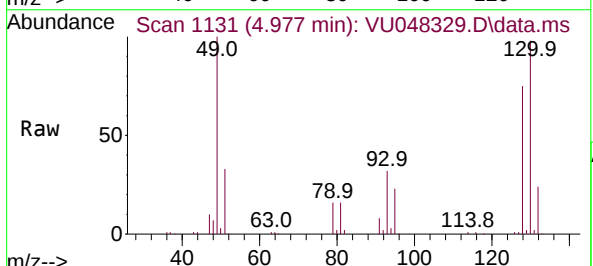
Ion Ratio Lower Upper

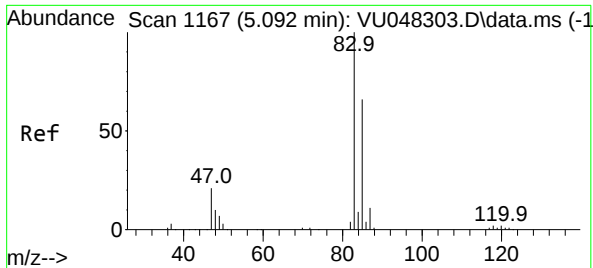
128 100

49 133.2 101.3 188.1

130 130.7 89.0 165.2

51 43.4 36.0 54.0

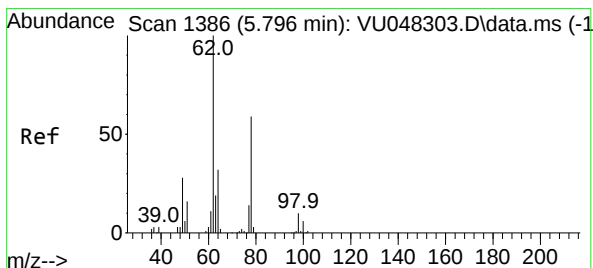
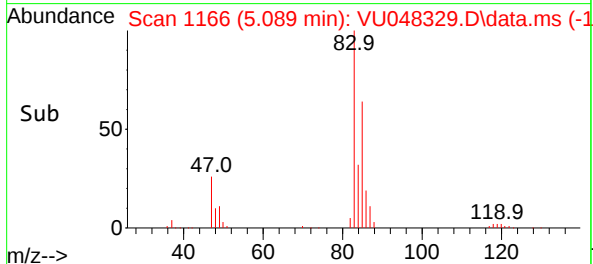
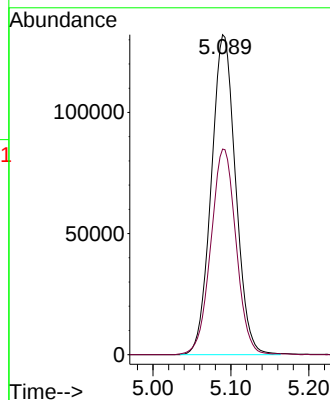
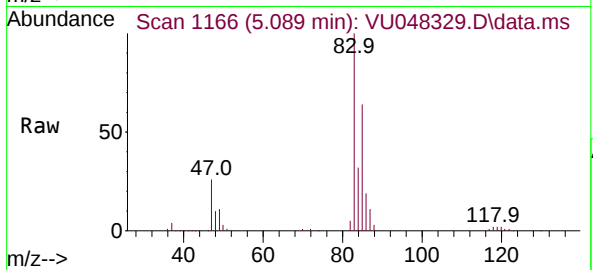




#25  
Chloroform  
Concen: 51.184 ug/L  
RT: 5.089 min Scan# 1167  
Delta R.T. -0.003 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

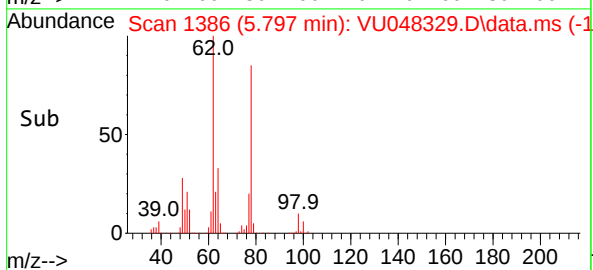
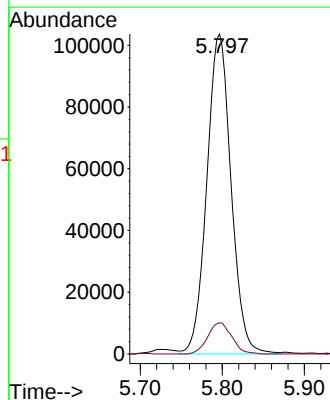
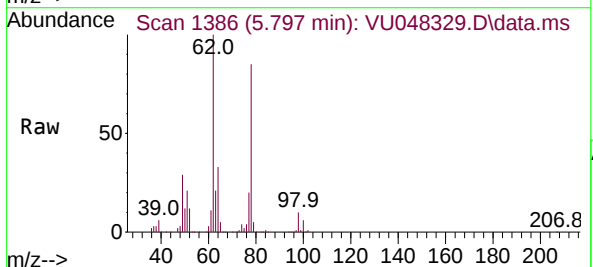
Instrument :  
MSVOA\_U  
ClientSampleId :

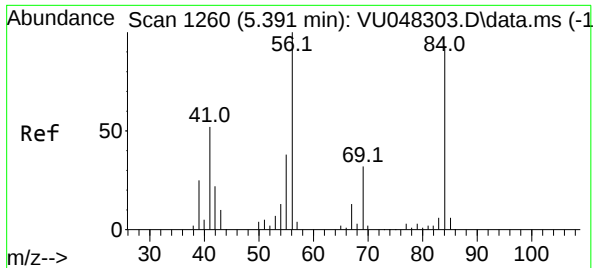
Tgt Ion: 83 Resp: 286535  
Ion Ratio Lower Upper  
83 100  
85 64.3 45.7 84.9



#27  
1,2-Dichloroethane  
Concen: 52.143 ug/L  
RT: 5.797 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion: 62 Resp: 212917  
Ion Ratio Lower Upper  
62 100  
98 9.7 8.5 12.7





#29

Cyclohexane

Concen: 51.986 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

Instrument :

MSVOA\_U

ClientSampleId :

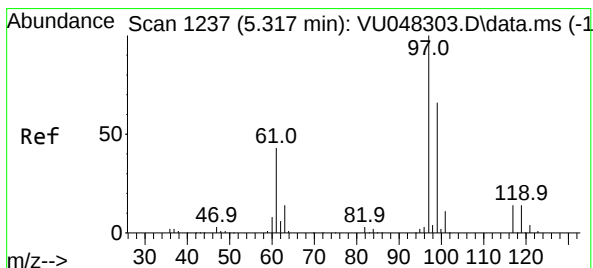
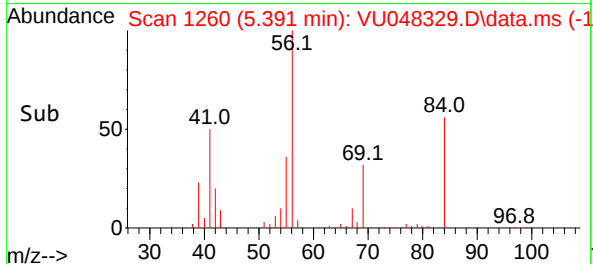
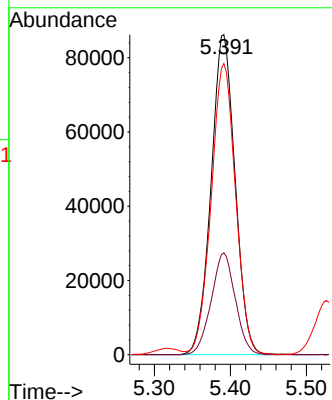
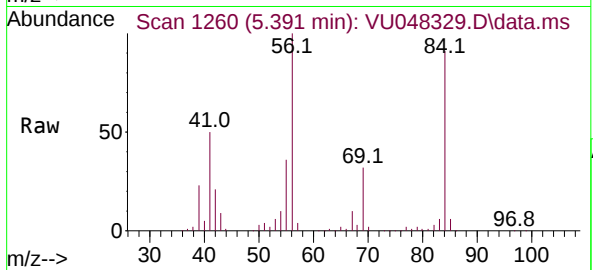
Tgt Ion: 56 Resp: 188936

Ion Ratio Lower Upper

56 100

69 31.9 24.2 36.4

84 92.5 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 54.672 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

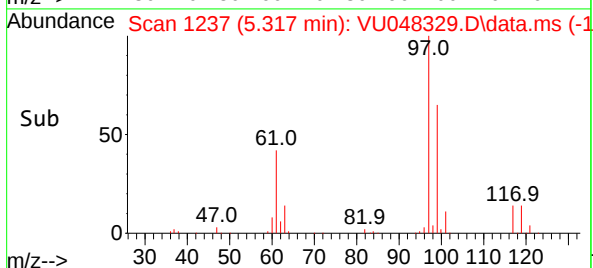
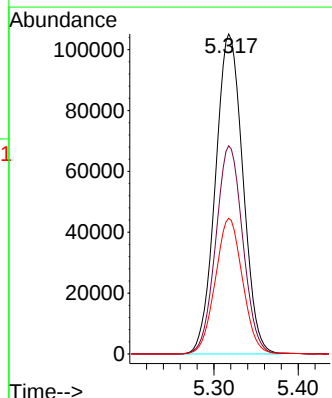
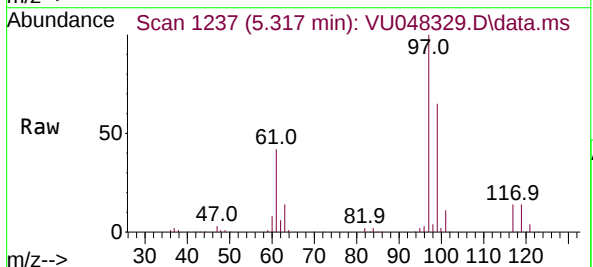
Tgt Ion: 97 Resp: 237812

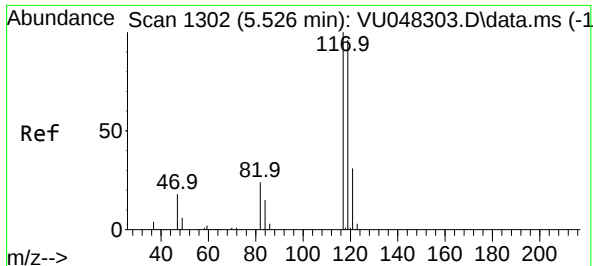
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.8

61 42.0 33.9 50.9

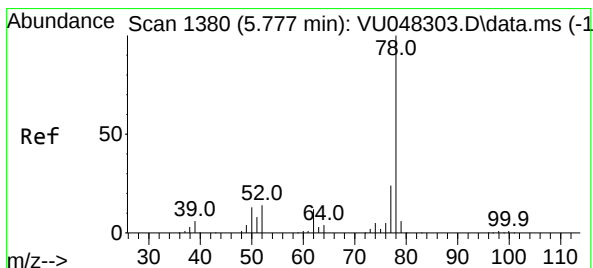
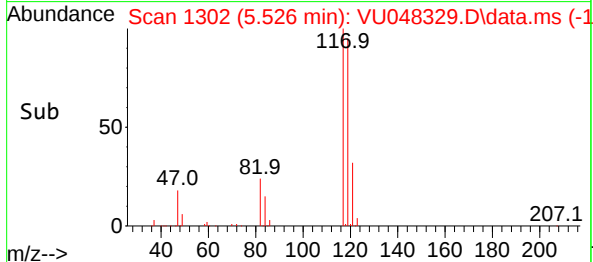
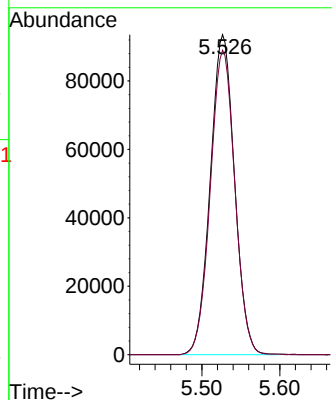
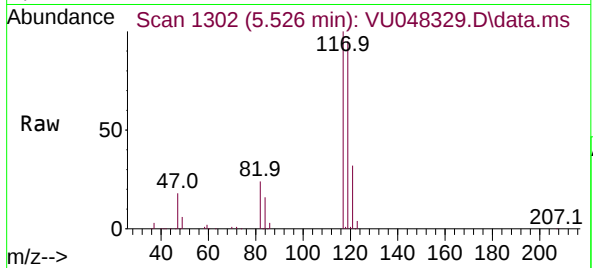




#31  
Carbon tetrachloride  
Concen: 54.563 ug/L  
RT: 5.526 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

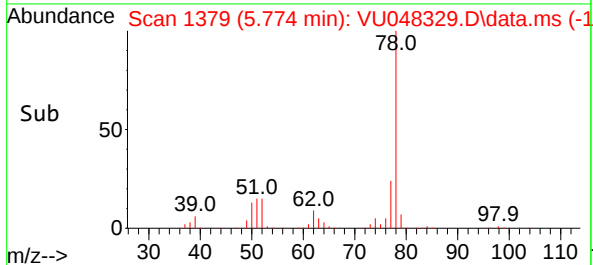
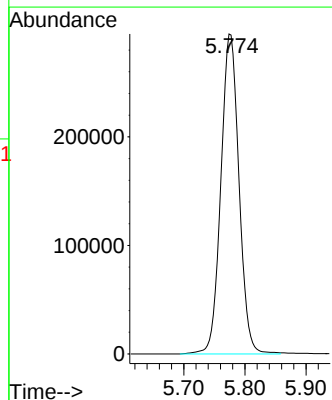
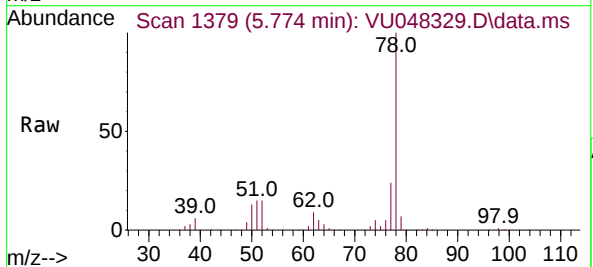
Instrument :  
MSVOA\_U  
ClientSampleId :

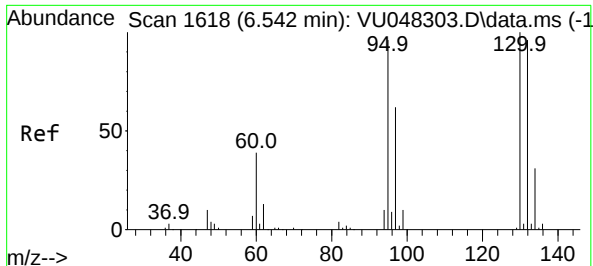
Tgt Ion:117 Resp: 202288  
Ion Ratio Lower Upper  
117 100  
119 95.9 77.1 115.7



#33  
Benzene  
Concen: 53.318 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.003 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion: 78 Resp: 607215

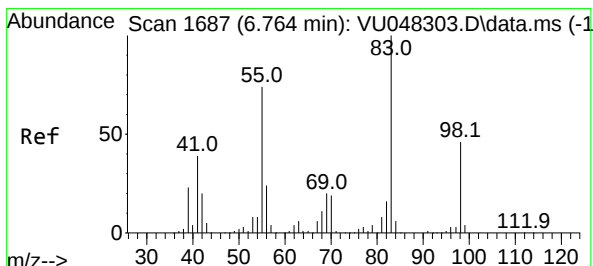
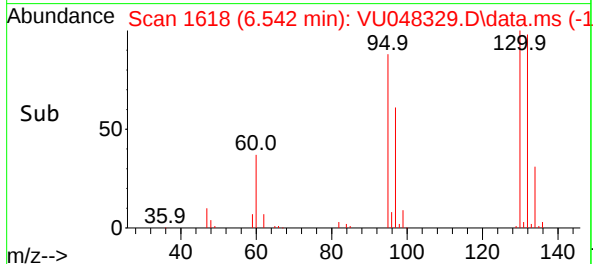
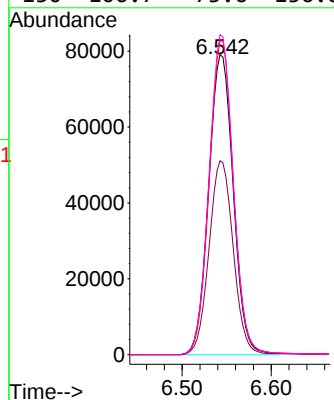
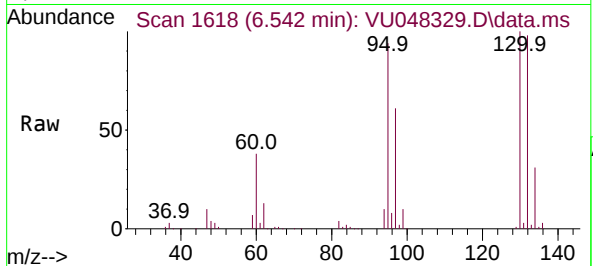




#34  
Trichloroethene  
Concen: 54.261 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

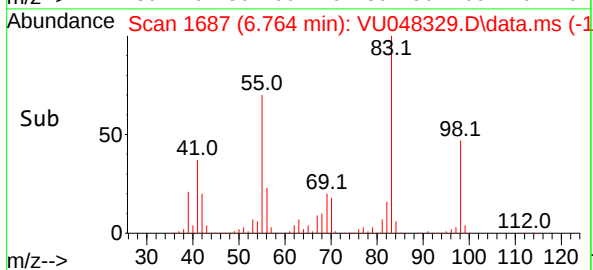
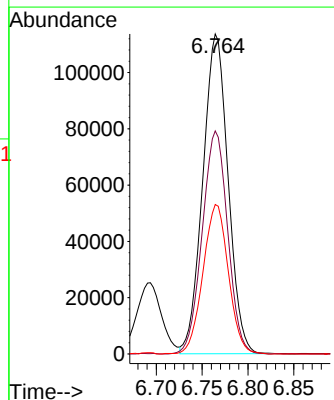
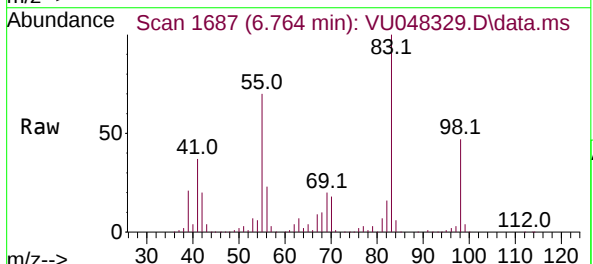
Instrument :  
MSVOA\_U  
ClientSampleId :

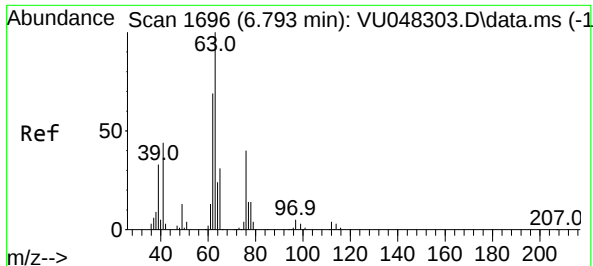
Tgt Ion: 95 Resp: 151466  
Ion Ratio Lower Upper  
95 100  
97 64.6 45.8 85.2  
132 104.7 71.6 133.0  
130 106.7 73.6 136.8



#35  
Methylcyclohexane  
Concen: 55.621 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion: 83 Resp: 217984  
Ion Ratio Lower Upper  
83 100  
55 70.2 59.4 89.2  
98 47.0 37.3 55.9





#37

1,2-Dichloropropane

Concen: 51.563 ug/L

RT: 6.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

Instrument :

MSVOA\_U

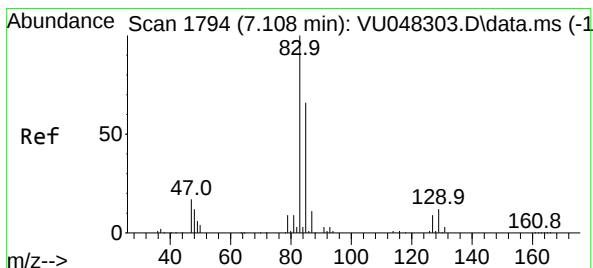
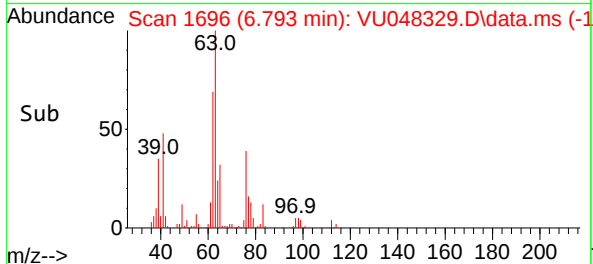
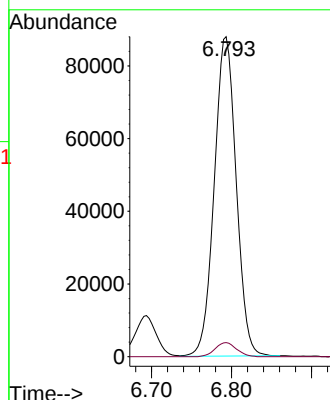
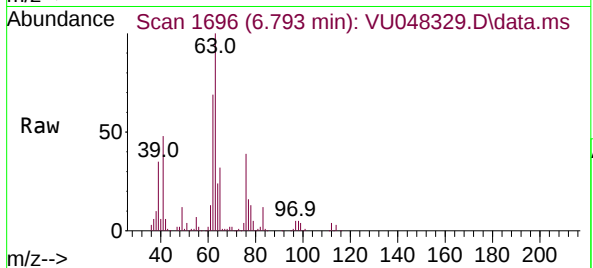
ClientSampleId :

Tgt Ion: 63 Resp: 167075

Ion Ratio Lower Upper

63 100

112 4.3 3.1 4.7



#38

Bromodichloromethane

Concen: 53.360 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

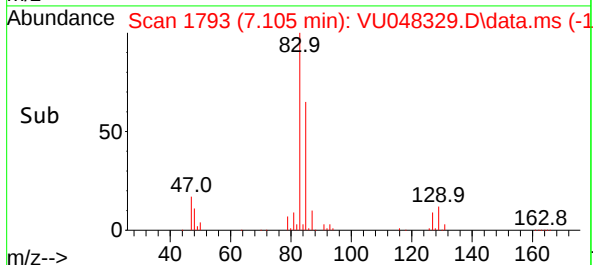
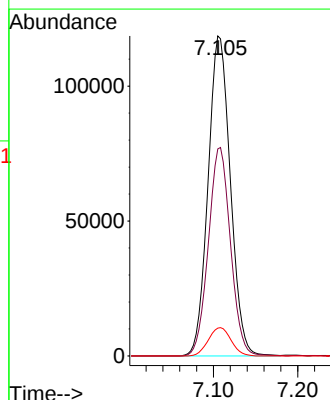
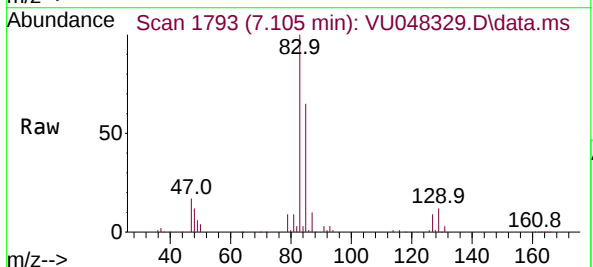
Tgt Ion: 83 Resp: 218348

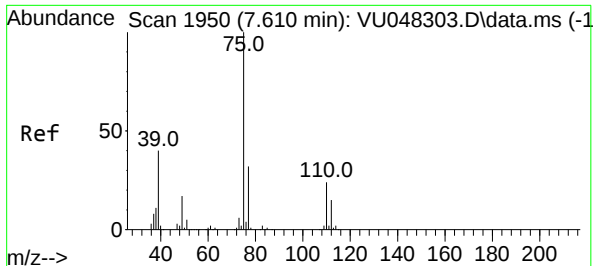
Ion Ratio Lower Upper

83 100

85 64.7 45.3 84.1

127 8.7 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 54.500 ug/L

RT: 7.610 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

Instrument :

MSVOA\_U

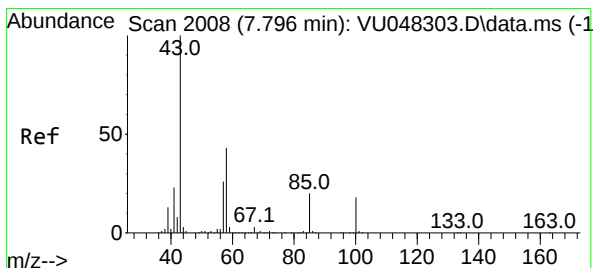
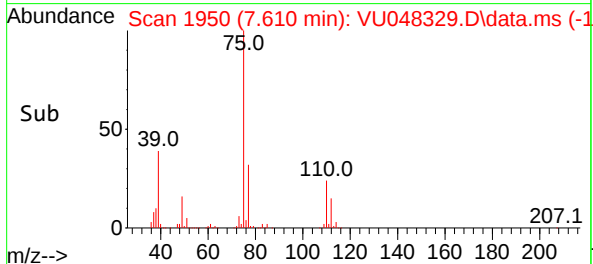
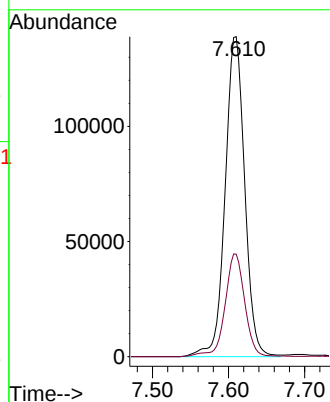
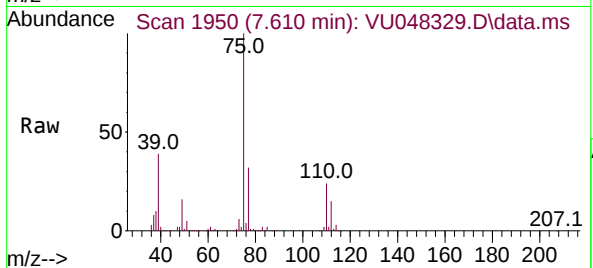
ClientSampleId :

Tgt Ion: 75 Resp: 248320

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 105.758 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

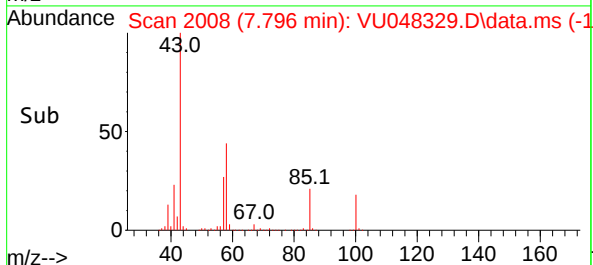
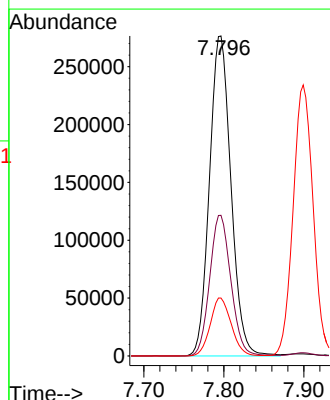
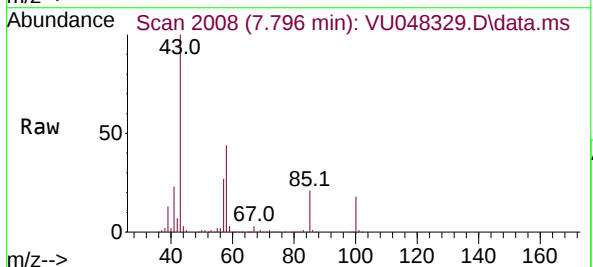
Tgt Ion: 43 Resp: 516852

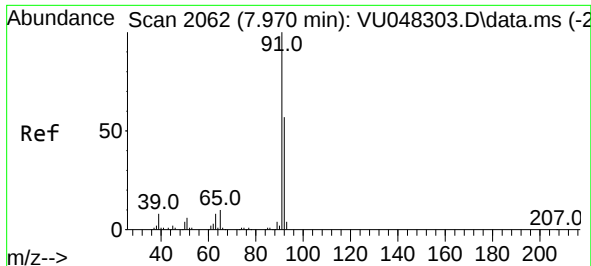
Ion Ratio Lower Upper

43 100

58 43.2 34.4 51.6

100 17.8 13.6 20.4





#42

Toluene

Concen: 55.825 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

Instrument :

MSVOA\_U

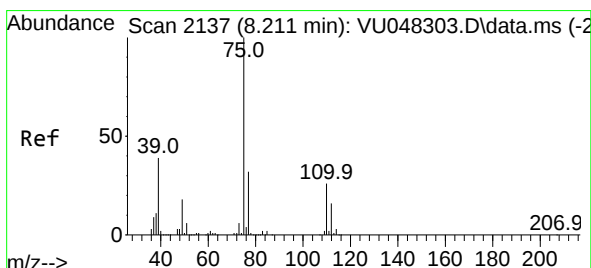
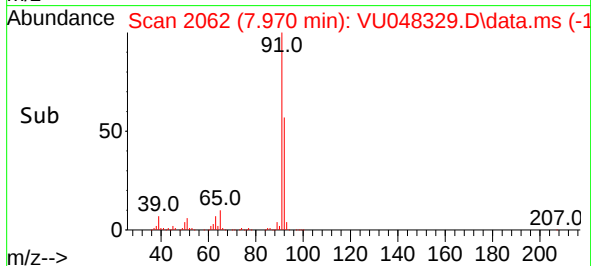
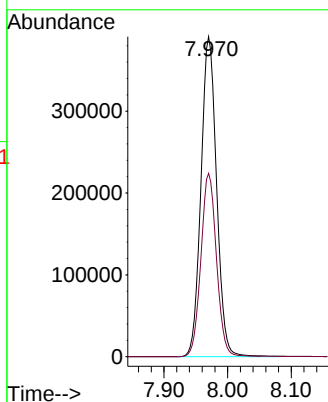
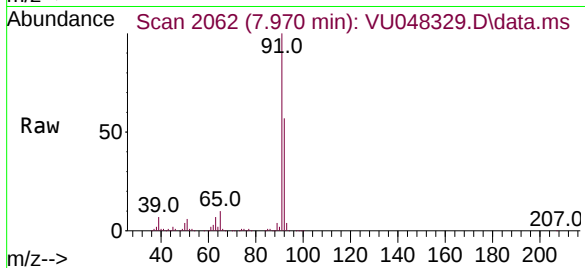
ClientSampleId :

Tgt Ion: 91 Resp: 667486

Ion Ratio Lower Upper

91 100

92 57.3 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 54.011 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VU048329.D

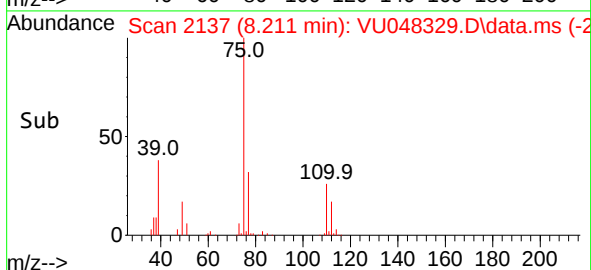
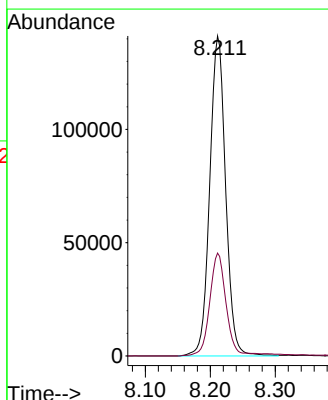
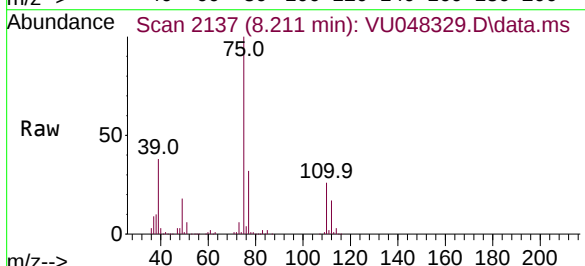
Acq: 28 Apr 2022 09:55

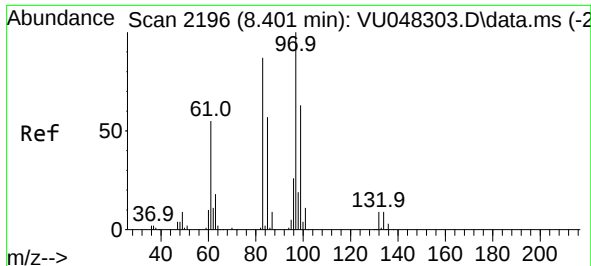
Tgt Ion: 75 Resp: 240410

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1



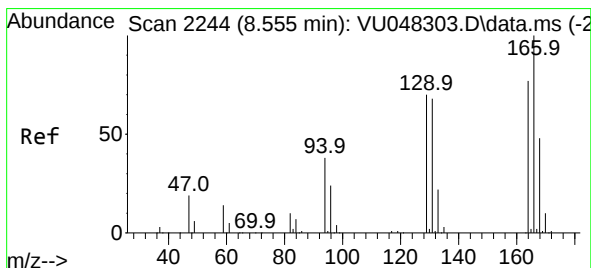
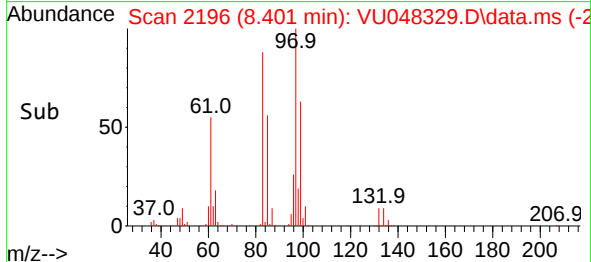
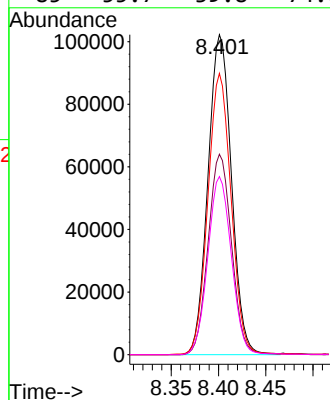
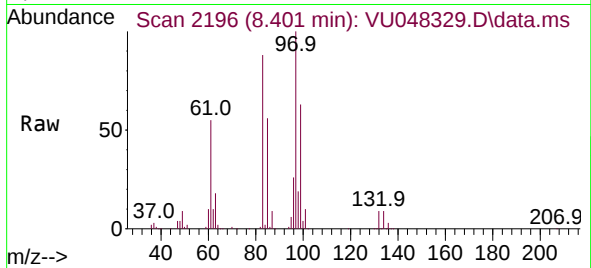


#45  
1,1,2-Trichloroethane  
Concen: 52.060 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 97 Resp: 176983

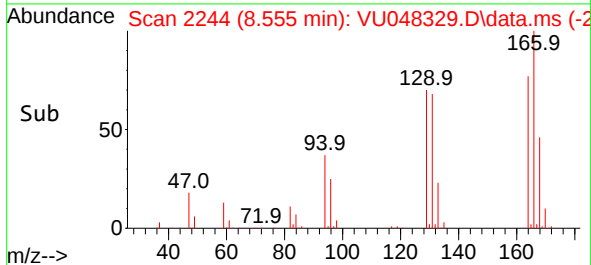
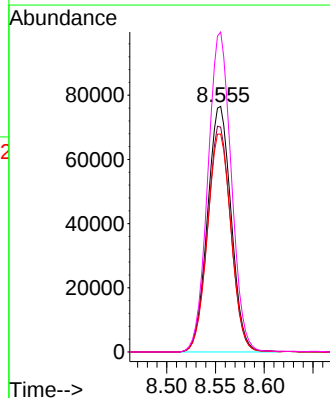
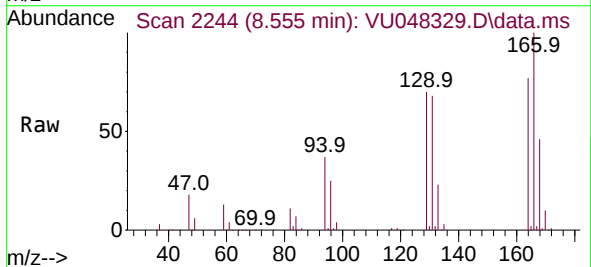
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.6  | 43.7  | 81.1  |
| 83  | 87.9  | 62.6  | 116.2 |
| 85  | 55.7  | 39.8  | 74.0  |

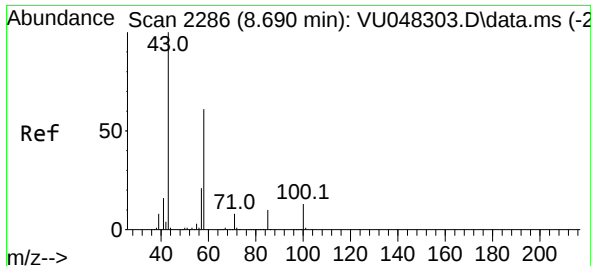


#46  
Tetrachloroethene  
Concen: 54.039 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion: 164 Resp: 129463

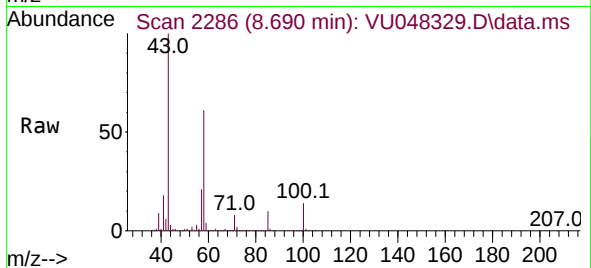
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.6  | 63.3  | 117.7 |
| 131 | 88.7  | 61.2  | 113.6 |
| 166 | 130.3 | 88.9  | 165.1 |



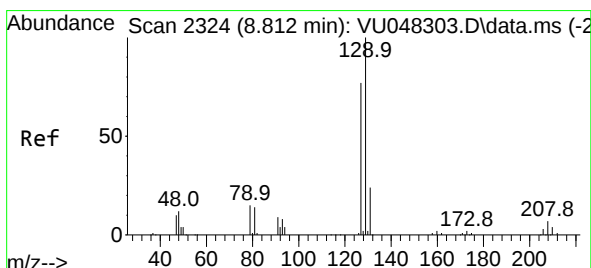
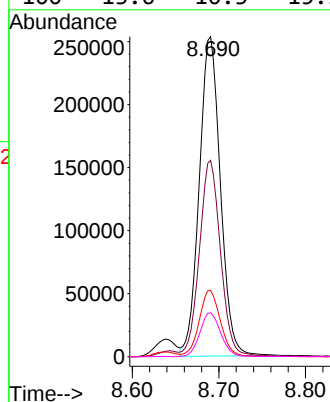
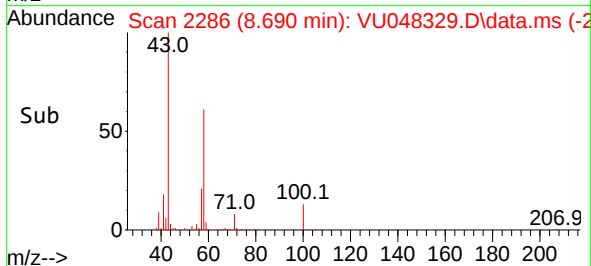


#48  
2-Hexanone  
Concen: 105.375 ug/L  
RT: 8.690 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Instrument :  
MSVOA\_U  
ClientSampleId :

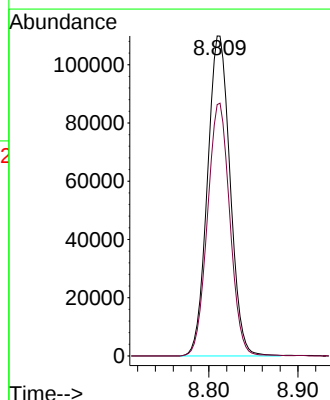
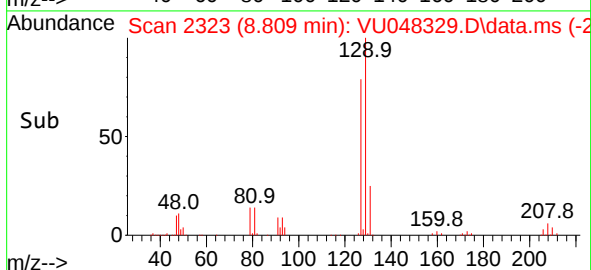
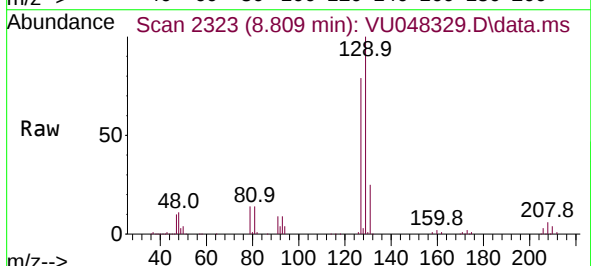


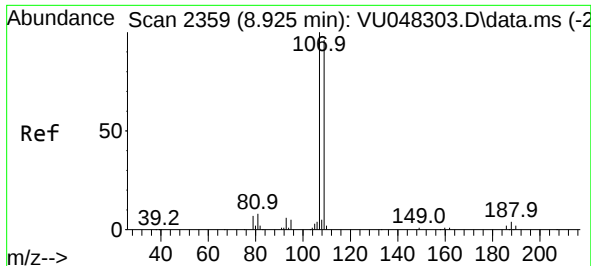
Tgt Ion: 43 Resp: 430043  
Ion Ratio Lower Upper  
43 100  
58 61.3 48.1 72.1  
57 20.5 16.2 24.4  
100 13.6 10.3 15.5



#49  
Dibromochloromethane  
Concen: 51.893 ug/L  
RT: 8.809 min Scan# 2323  
Delta R.T. -0.003 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion: 129 Resp: 193855  
Ion Ratio Lower Upper  
129 100  
127 78.6 53.8 99.8





#50

1,2-Dibromoethane

Concen: 53.202 ug/L

RT: 8.925 min Scan# 21

Delta R.T. 0.000 min

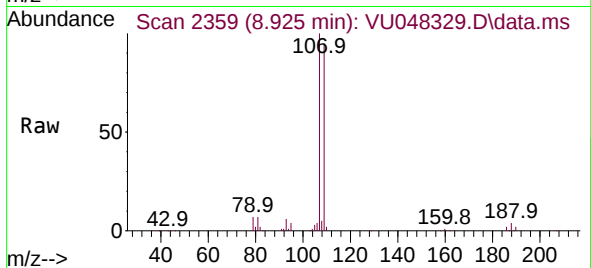
Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

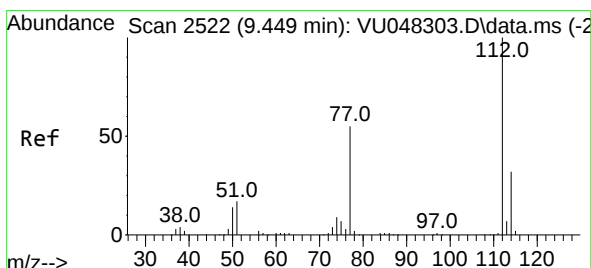
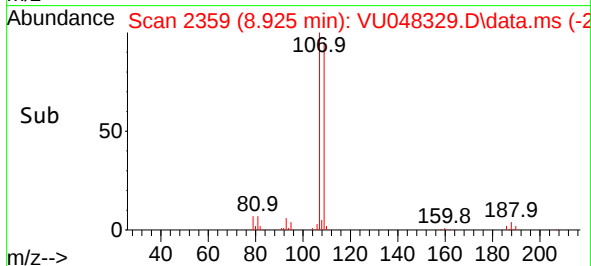
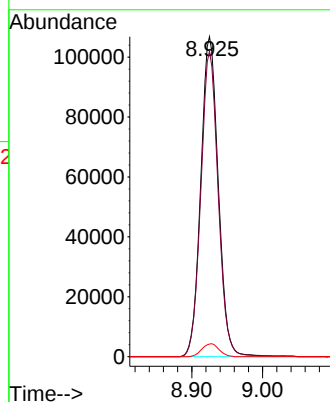
Instrument :

MSVOA\_U

ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 183411 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 109      | 95.5  | 65.0  | 120.8  |
| 188      | 3.9   | 3.1   | 4.7    |



#51

Chlorobenzene

Concen: 51.845 ug/L

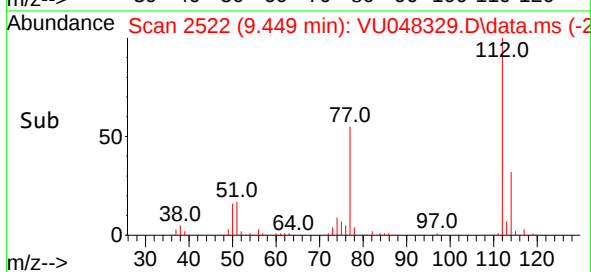
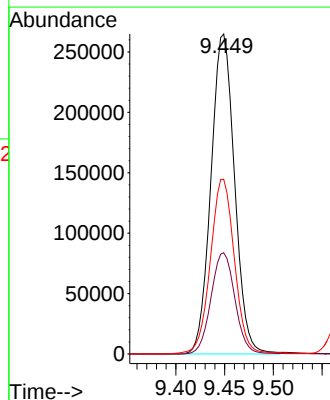
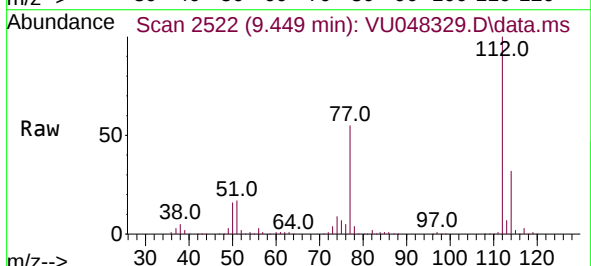
RT: 9.449 min Scan# 2522

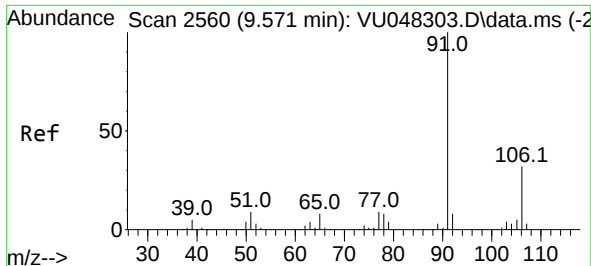
Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 446825 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.7  | 22.7  | 42.1   |
| 77       | 54.6  | 44.3  | 66.5   |

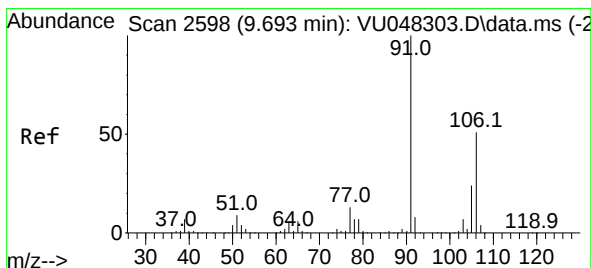
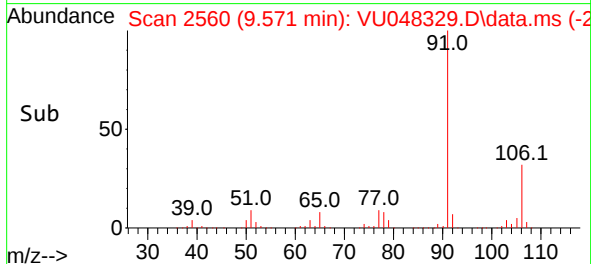
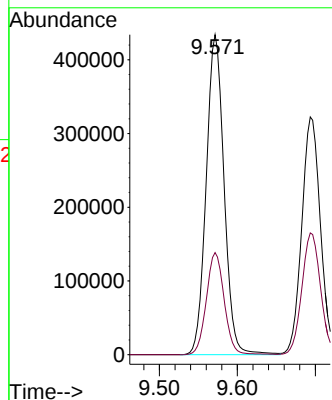
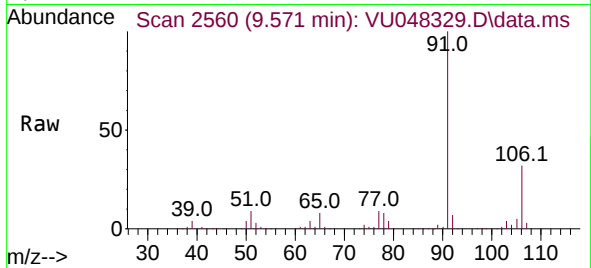




#52  
Ethylbenzene  
Concen: 55.859 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

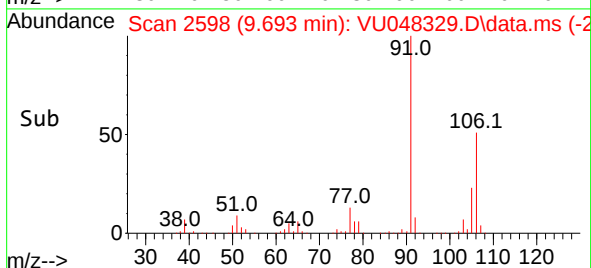
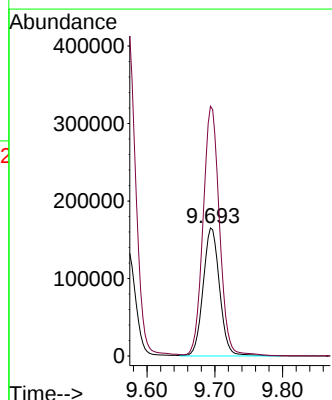
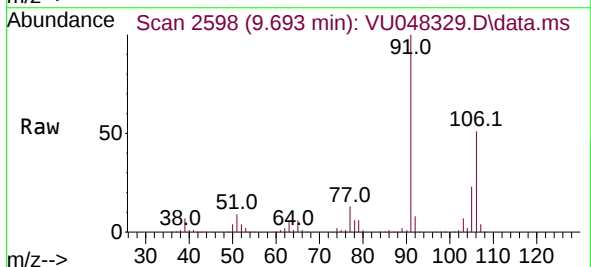
Instrument :  
MSVOA\_U  
ClientSampleId :

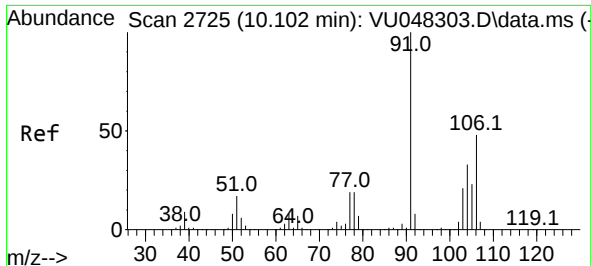
Tgt Ion: 91 Resp: 691691  
Ion Ratio Lower Upper  
91 100  
106 31.9 22.5 41.9



#53  
m,p-Xylene  
Concen: 57.166 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion: 106 Resp: 279346  
Ion Ratio Lower Upper  
106 100  
91 195.2 137.4 255.2

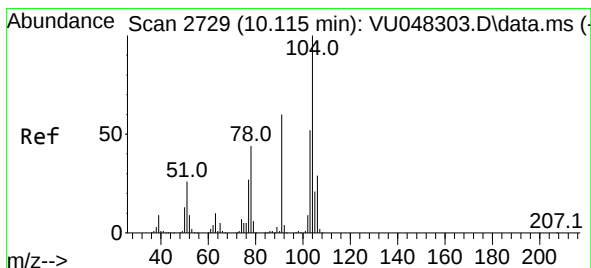
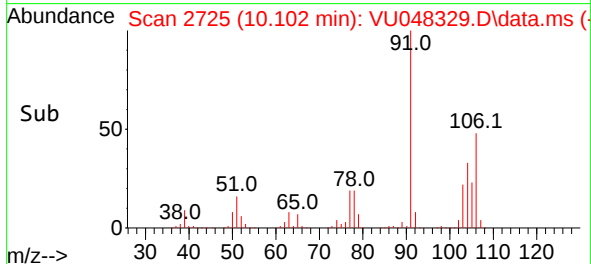
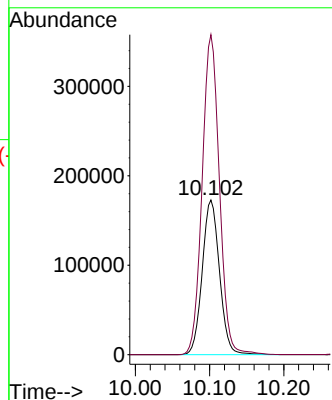
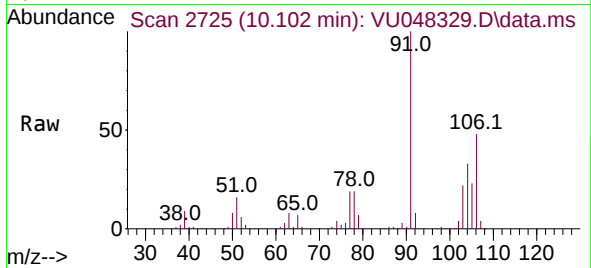




#54  
o-Xylene  
Concen: 56.750 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

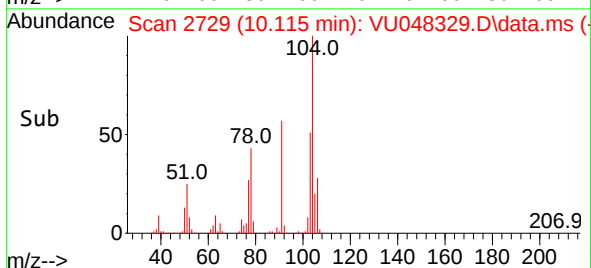
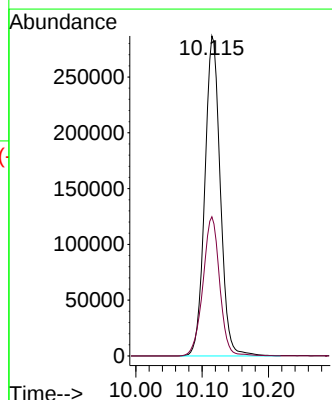
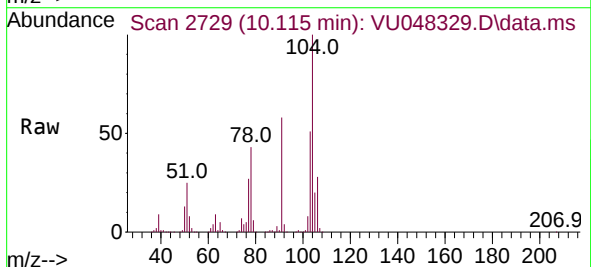
Instrument :  
MSVOA\_U  
ClientSampleId :

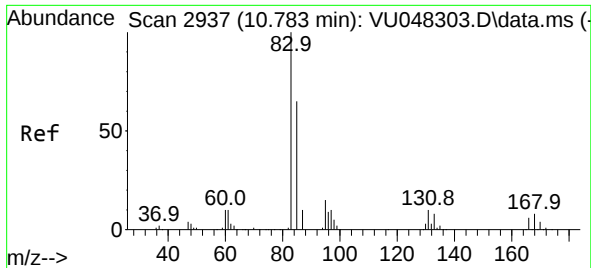
Tgt Ion:106 Resp: 279368  
Ion Ratio Lower Upper  
106 100  
91 206.8 145.3 269.8



#55  
Styrene  
Concen: 55.573 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion:104 Resp: 466049  
Ion Ratio Lower Upper  
104 100  
78 43.5 30.3 56.3

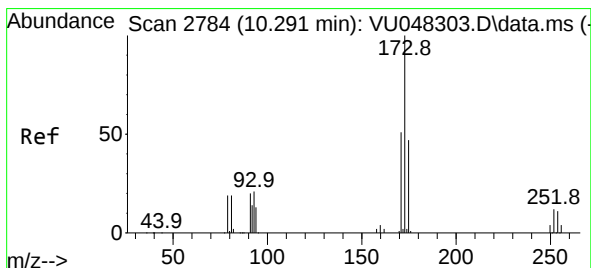
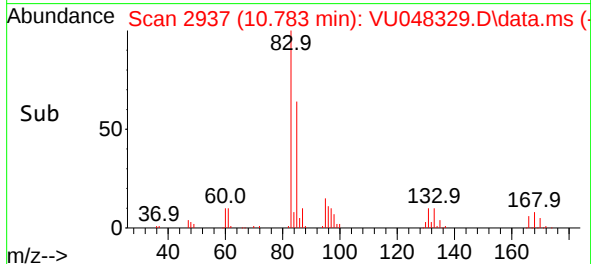
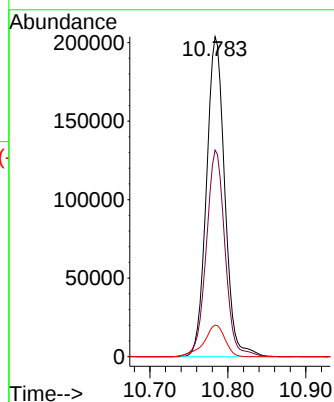
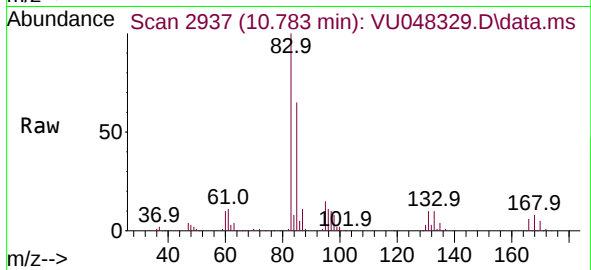




#57  
1,1,2,2-Tetrachloroethane  
Concen: 49.361 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

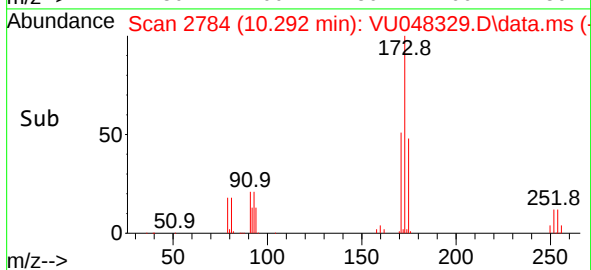
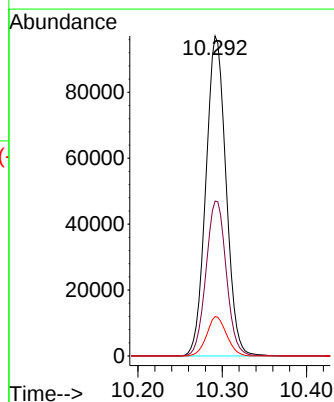
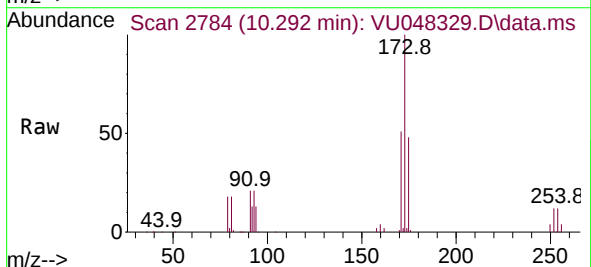
Instrument :  
MSVOA\_U  
ClientSampleId :

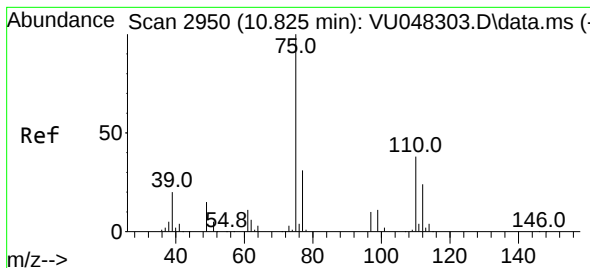
Tgt Ion: 83 Resp: 331188  
Ion Ratio Lower Upper  
83 100  
85 64.6 45.1 83.7  
131 9.9 7.8 11.6



#59  
Bromoform  
Concen: 51.066 ug/L  
RT: 10.292 min Scan# 2784  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion:173 Resp: 161532  
Ion Ratio Lower Upper  
173 100  
175 48.8 38.9 58.3  
254 12.1 9.5 14.3





#60

1,2,3-Trichloropropane

Concen: 50.016 ug/L

RT: 10.825 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

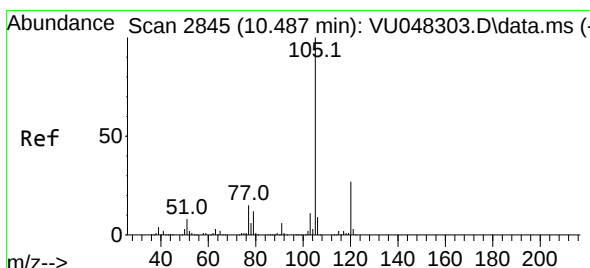
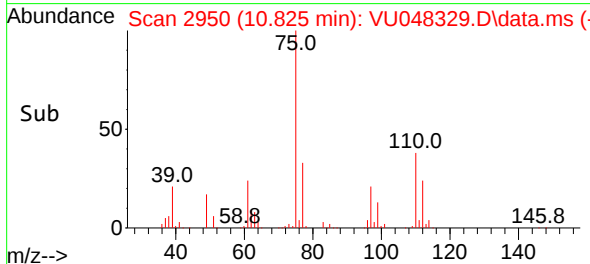
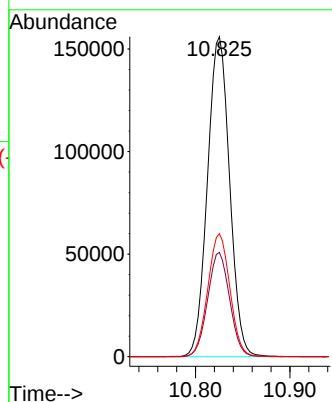
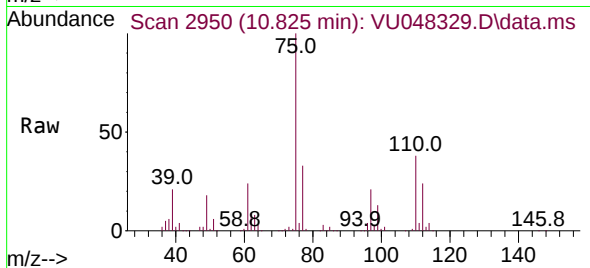
Instrument :

MSVOA\_U

ClientSampleId :

Tgt Ion: 75 Resp: 254317

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 32.2  | 25.8  | 38.8  |
| 110 | 38.3  | 29.9  | 44.9  |



#61

Isopropylbenzene

Concen: 58.306 ug/L

RT: 10.484 min Scan# 2844

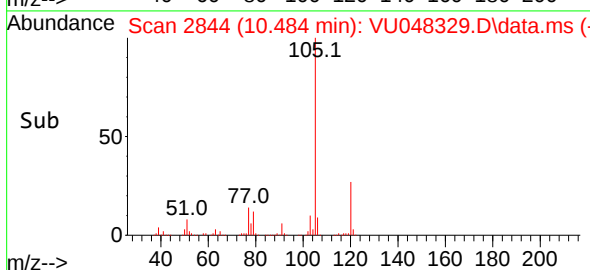
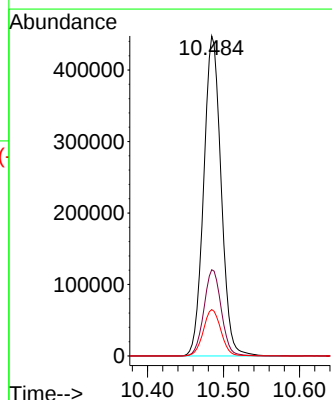
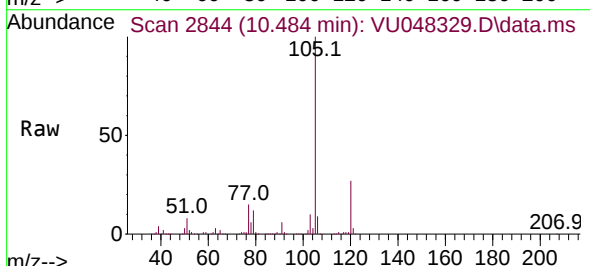
Delta R.T. -0.003 min

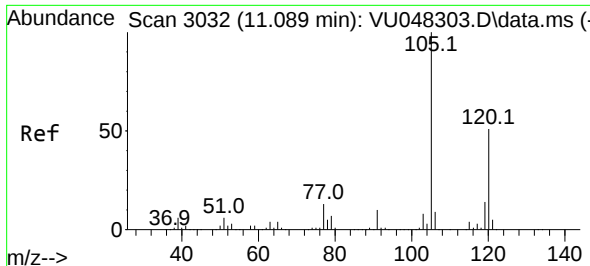
Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

Tgt Ion: 105 Resp: 710567

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 27.0  | 21.7  | 32.5  |
| 77  | 14.7  | 11.7  | 17.5  |

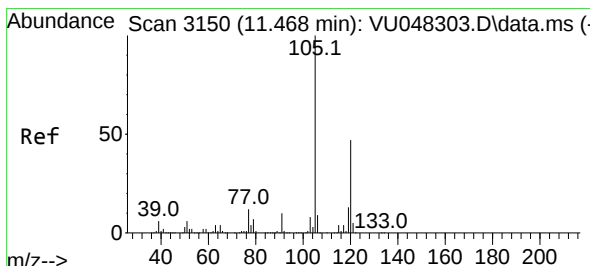
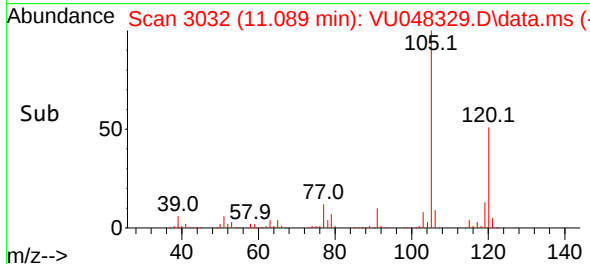
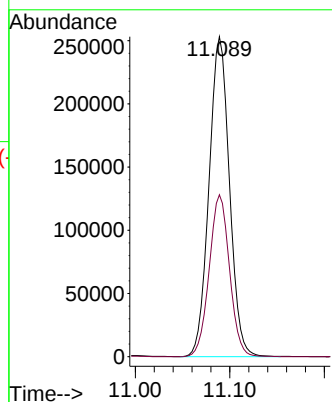
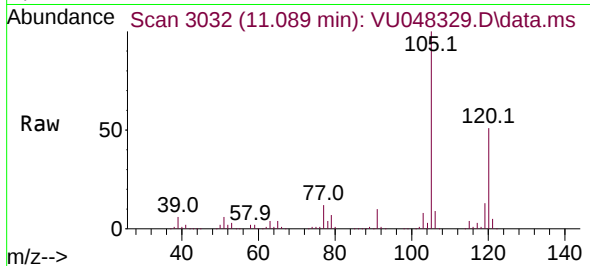




#62  
1,3,5-Trimethylbenzene  
Concen: 59.132 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

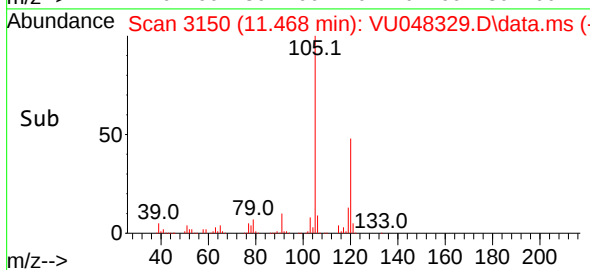
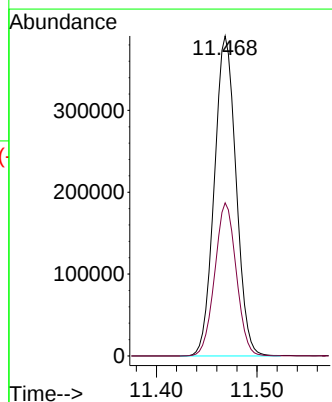
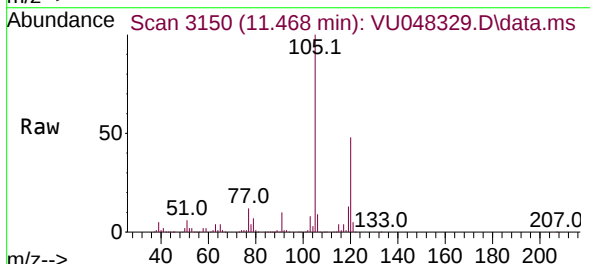
Instrument :  
MSVOA\_U  
ClientSampleId :

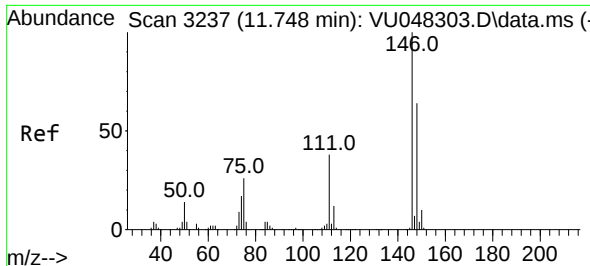
Tgt Ion:105 Resp: 379821  
Ion Ratio Lower Upper  
105 100  
120 50.3 40.7 61.1



#63  
1,2,4-Trimethylbenzene  
Concen: 59.440 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion:105 Resp: 587000  
Ion Ratio Lower Upper  
105 100  
120 47.3 38.0 57.0

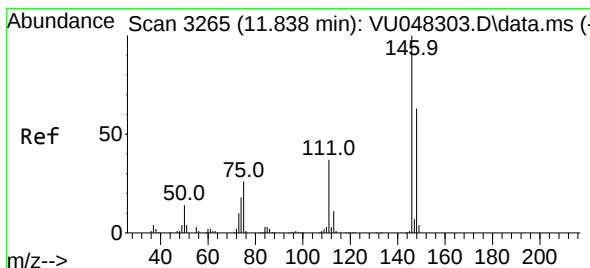
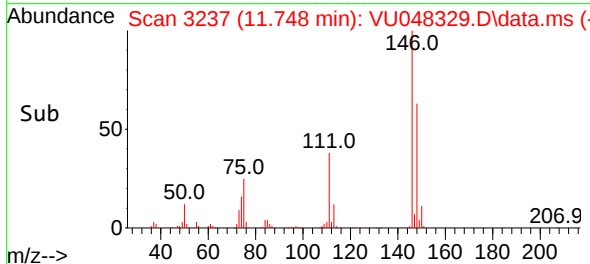
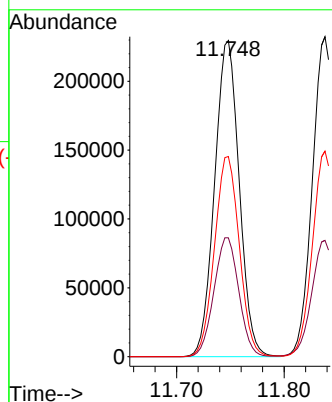
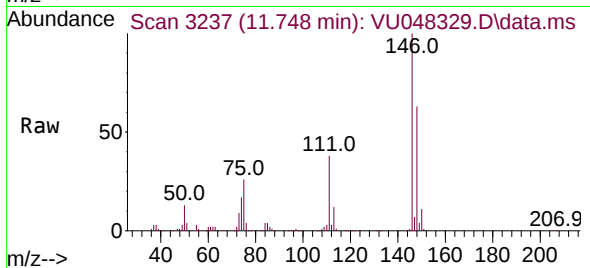




#64  
1,3-Dichlorobenzene  
Concen: 53.412 ug/L  
RT: 11.748 min Scan# 3237  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

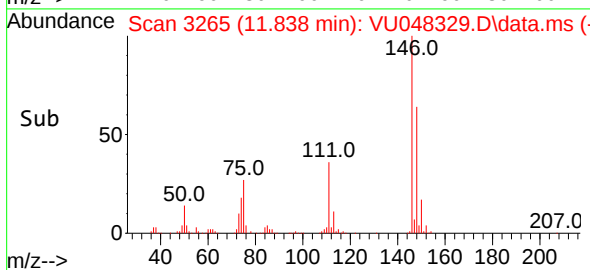
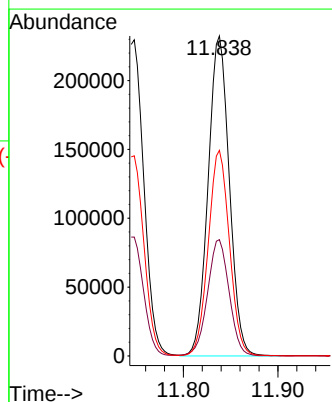
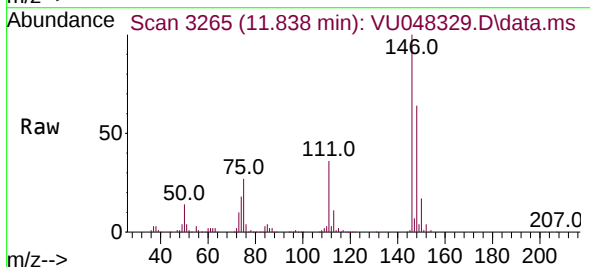
Instrument :  
MSVOA\_U  
ClientSampleId :

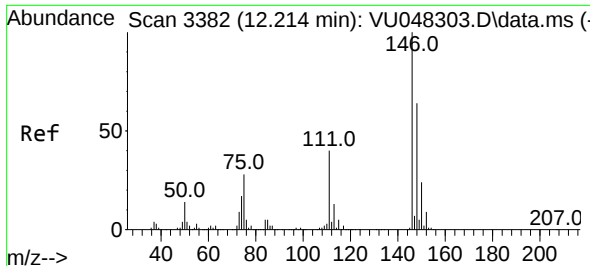
Tgt Ion:146 Resp: 364934  
Ion Ratio Lower Upper  
146 100  
111 37.6 26.7 49.7  
148 63.3 44.9 83.5



#65  
1,4-Dichlorobenzene  
Concen: 51.873 ug/L  
RT: 11.838 min Scan# 3265  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion:146 Resp: 361823  
Ion Ratio Lower Upper  
146 100  
111 36.4 25.9 48.1  
148 64.3 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 52.188 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

Instrument :

MSVOA\_U

ClientSampleId :

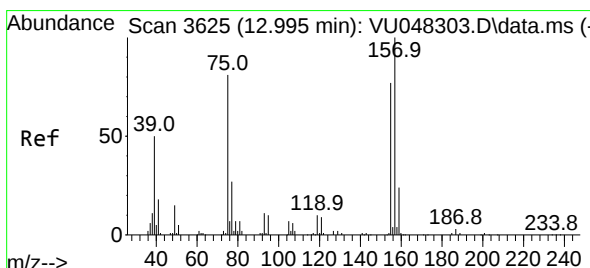
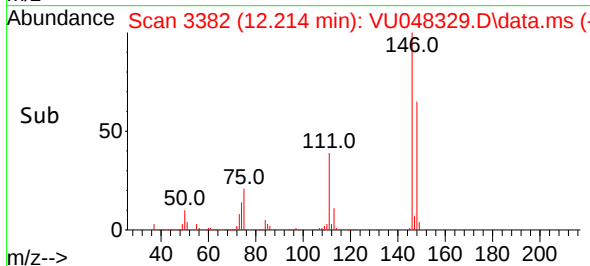
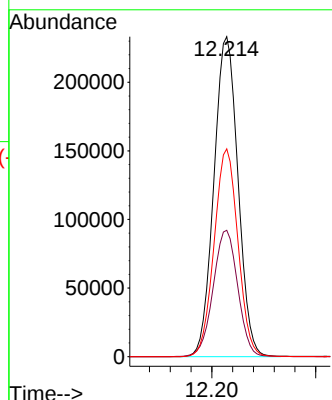
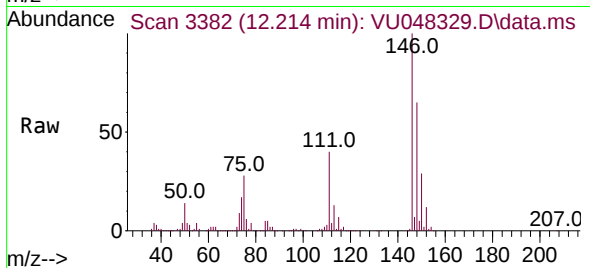
Tgt Ion:146 Resp: 375624

Ion Ratio Lower Upper

146 100

111 39.5 31.7 47.5

148 65.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 52.055 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU048329.D

Acq: 28 Apr 2022 09:55

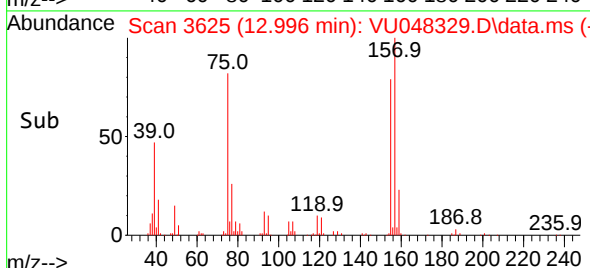
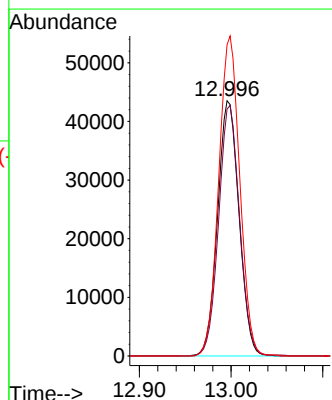
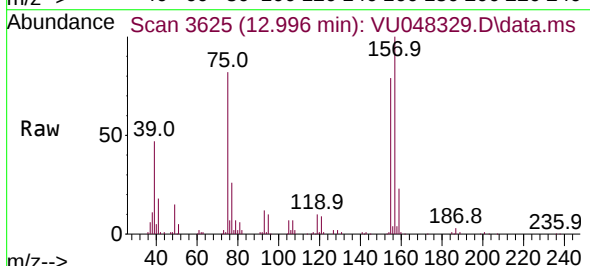
Tgt Ion: 75 Resp: 70659

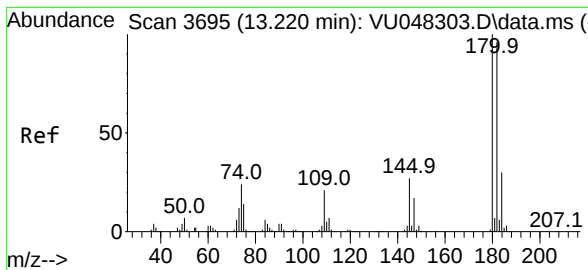
Ion Ratio Lower Upper

75 100

155 96.7 71.8 107.6

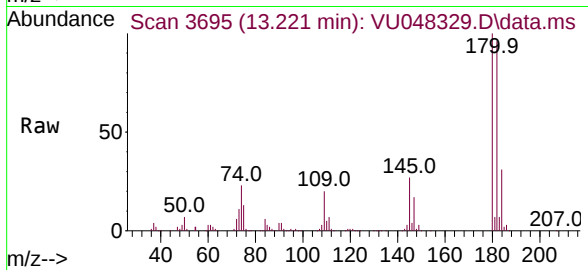
157 122.0 93.4 140.2



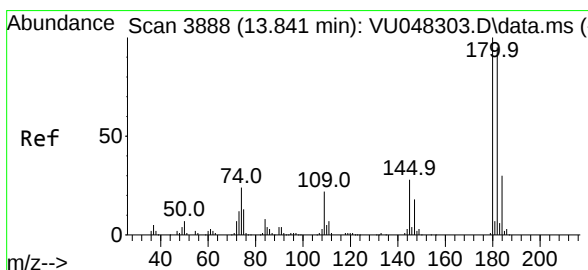
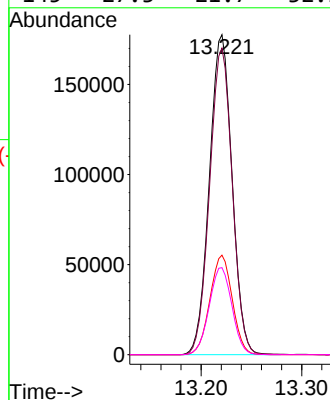
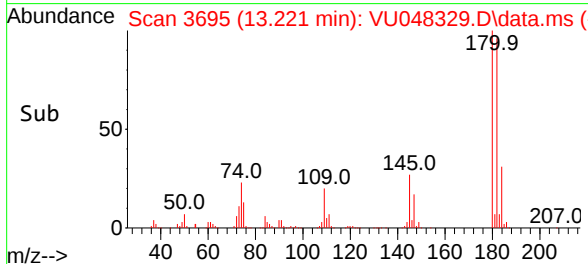


#69  
 1,3,5-Trichlorobenzene  
 Concen: 54.832 ug/L  
 RT: 13.221 min Scan# 3695  
 Delta R.T. 0.000 min  
 Lab File: VU048329.D  
 Acq: 28 Apr 2022 09:55

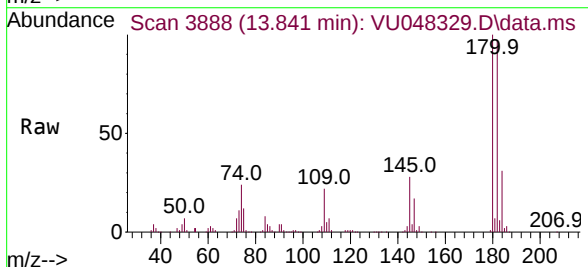
Instrument :  
 MSVOA\_U  
 ClientSampleId :



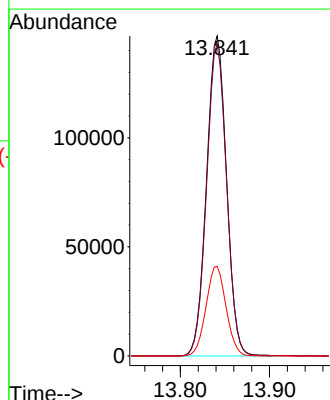
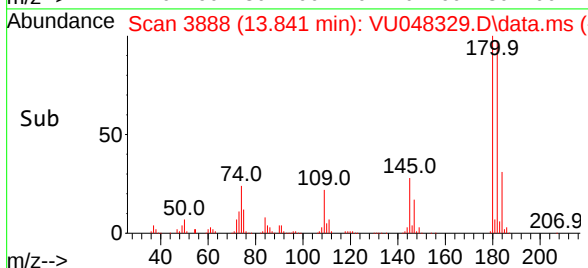
Tgt Ion:180 Resp: 278384  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 77.0 115.4  
 184 30.8 24.6 37.0  
 145 27.3 21.7 32.5

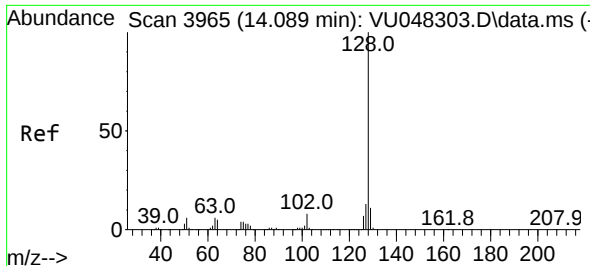


#70  
 1,2,4-trichlorobenzene  
 Concen: 56.950 ug/L  
 RT: 13.841 min Scan# 3888  
 Delta R.T. 0.000 min  
 Lab File: VU048329.D  
 Acq: 28 Apr 2022 09:55



Tgt Ion:180 Resp: 228424  
 Ion Ratio Lower Upper  
 180 100  
 182 97.2 76.3 114.5  
 145 28.1 22.6 33.8

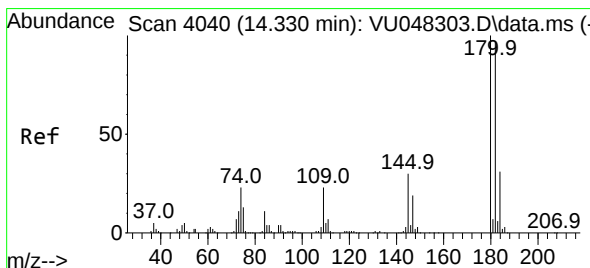
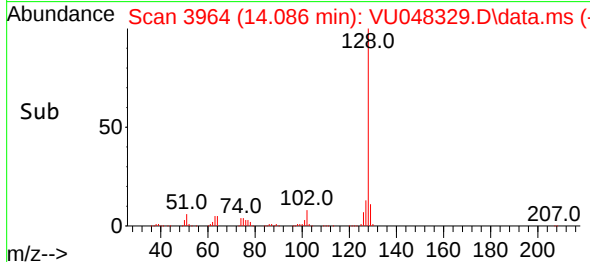
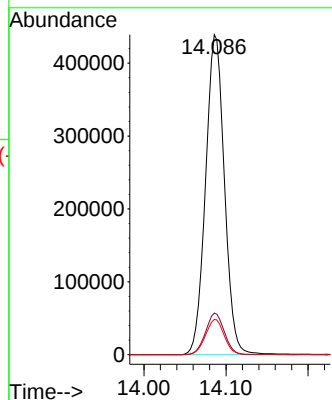
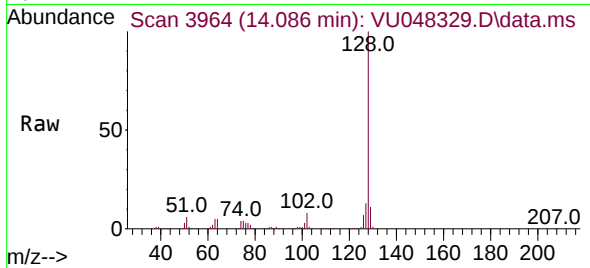




#71  
Naphthalene  
Concen: 61.032 ug/L  
RT: 14.086 min Scan# 3965  
Delta R.T. -0.003 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:128 Resp: 700555  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.4 15.6  
129 11.0 8.7 13.1



#72  
1,2,3-Trichlorobenzene  
Concen: 58.721 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU048329.D  
Acq: 28 Apr 2022 09:55

Tgt Ion:180 Resp: 241375  
Ion Ratio Lower Upper  
180 100  
182 95.8 75.8 113.6  
145 29.2 23.5 35.3

