

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120922\  
 Data File : VU052338.D  
 Acq On : 10 Dec 2022 05:57  
 Operator : JC/MD  
 Sample : N5930-11MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ94MS

Quant Time: Dec 10 06:52:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 08 04:19:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|---------|----------|----------|
| Internal Standards            |        |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114            | 250544   | 5.000   | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117            | 251085   | 5.000   | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 136325   | 5.000   | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65             | 123678   | 5.075   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =       | 101.400% |          |
| 7) Chloroethane-d5            | 1.916  | 69             | 78417    | 4.143   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =       | 82.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65             | 35559    | 4.071   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =       | 81.400%  |          |
| 20) 2-Butanone-d5             | 4.639  | 46             | 280883   | 63.585  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =       | 127.160% |          |
| 24) Chloroform-d              | 5.063  | 84             | 169650   | 4.738   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =       | 94.800%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 84470    | 4.670   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =       | 93.400%  |          |
| 32) Benzene-d6                | 5.726  | 84             | 345536   | 4.635   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =       | 92.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 112106   | 4.860   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =       | 97.200%  |          |
| 41) Toluene-d8                | 7.896  | 98             | 317603   | 4.709   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =       | 94.200%  |          |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79             | 39785    | 4.733   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =       | 94.600%  |          |
| 46) 2-Hexanone-d5             | 8.629  | 63             | 199483   | 55.993  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =       | 111.980% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84             | 105091   | 5.254   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =       | 105.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152            | 126264   | 4.838   | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =       | 96.800%  |          |
| Target Compounds              |        |                |          |         |          |          |
|                               |        |                |          |         | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85             | 93122    | 4.285   | ug/L     | 99       |
| 3) Chloromethane              | 1.523  | 50             | 119590   | 4.217   | ug/L     | 99       |
| 5) Vinyl chloride             | 1.607  | 62             | 4048668  | 148.588 | ug/L     | 98       |
| 6) Bromomethane               | 1.861  | 94             | 46527    | 3.328   | ug/L     | 97       |
| 8) Chloroethane               | 1.938  | 64             | 212665   | 12.551  | ug/L     | 96       |
| 9) Trichlorofluoromethane     | 2.141  | 101            | 139375   | 4.650   | ug/L     | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101            | 83538    | 4.558   | ug/L     | 98       |
| 12) 1,1-Dichloroethene        | 2.584  | 96             | 242402   | 13.337  | ug/L #   | 71       |
| 13) Acetone                   | 2.649  | 43             | 165089   | 55.035  | ug/L     | 99       |
| 14) Carbon disulfide          | 2.797  | 76             | 272803   | 4.336   | ug/L     | 99       |
| 15) Methyl Acetate            | 2.957  | 43             | 33458    | 4.300   | ug/L     | 98       |
| 16) Methylene chloride        | 3.047  | 84             | 106573   | 4.334   | ug/L     | 99       |
| 17) Methyl tert-butyl Ether   | 3.363  | 73             | 195250   | 4.799   | ug/L     | 98       |
| 18) trans-1,2-Dichloroethene  | 3.356  | 96             | 197133   | 10.118  | ug/L     | 97       |
| 19) 1,1-Dichloroethane        | 3.867  | 63             | 9169517  | 261.135 | ug/L     | 99       |
| 21) 2-Butanone                | 4.713  | 43             | 276366   | 57.482  | ug/L     | 96       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96             | 15338615 | 750.158 | ug/L     | 97       |
| 23) Bromochloromethane        | 4.973  | 128            | 47561    | 4.862   | ug/L     | 94       |
| 25) Chloroform                | 5.086  | 83             | 177960   | 5.002   | ug/L     | 97       |

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 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 53 Sample Multiplier: 1

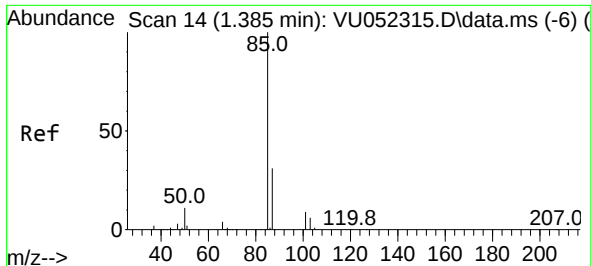
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ94MS

Quant Time: Dec 10 06:52:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 08 04:19:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.790  | 62   | 142879   | 6.556   | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 3519630  | 126.345 | ug/L  | 99       |
| 30) Cyclohexane               | 5.388  | 56   | 138252   | 5.111   | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 110847   | 4.683   | ug/L  | 99       |
| 33) Benzene                   | 5.771  | 78   | 467001   | 5.715   | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 123311   | 6.050   | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.761  | 83   | 151085   | 5.153   | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.787  | 63   | 106856   | 5.051   | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.102  | 83   | 126525   | 4.905   | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.604  | 75   | 122421   | 4.507   | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 622367   | 56.315  | ug/L  | 100      |
| 42) Toluene                   | 7.967  | 91   | 1203965  | 14.324  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 112492   | 4.836   | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.394  | 97   | 94744    | 5.959   | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.549  | 164  | 82557    | 5.285   | ug/L  | 98       |
| 48) 2-Hexanone                | 8.681  | 43   | 470672   | 58.093  | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.806  | 129  | 91129    | 5.118   | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.919  | 107  | 76995    | 5.317   | ug/L  | 100      |
| 51) Chlorobenzene             | 9.443  | 112  | 255788   | 4.773   | ug/L  | 99       |
| 52) Ethylbenzene              | 9.568  | 91   | 568965   | 6.963   | ug/L  | 98       |
| 53) m,p-Xylene                | 9.690  | 106  | 179156   | 5.662   | ug/L  | 96       |
| 54) o-Xylene                  | 10.095 | 106  | 194474   | 6.412   | ug/L  | 98       |
| 55) Styrene                   | 10.111 | 104  | 272789   | 5.325   | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 107373   | 5.407   | ug/L  | 98       |
| 59) Bromoform                 | 10.285 | 173  | 52619    | 4.686   | ug/L  | 95       |
| 60) Isopropylbenzene          | 10.481 | 105  | 514415   | 6.007   | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.819 | 75   | 74385    | 4.768   | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.082 | 105  | 391091   | 5.713   | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 602273   | 8.864   | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 202504   | 4.631   | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.832 | 146  | 202785   | 4.650   | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146  | 236631   | 5.620   | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.989 | 75   | 16510    | 4.835   | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.214 | 180  | 142368   | 4.592   | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.835 | 180  | 118775   | 5.031   | ug/L  | 98       |
| 71) Naphthalene               | 14.082 | 128  | 346651   | 7.820   | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.323 | 180  | 112632   | 4.849   | ug/L  | 98       |

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

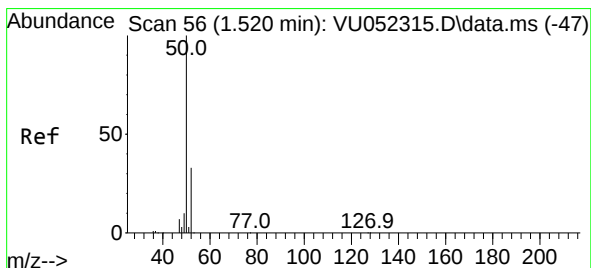
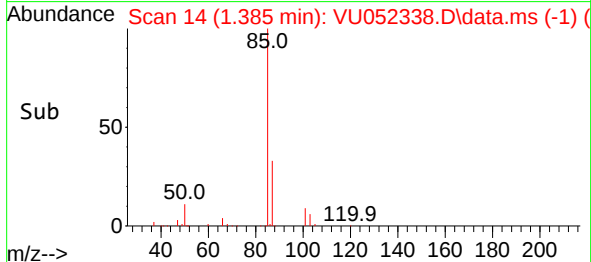
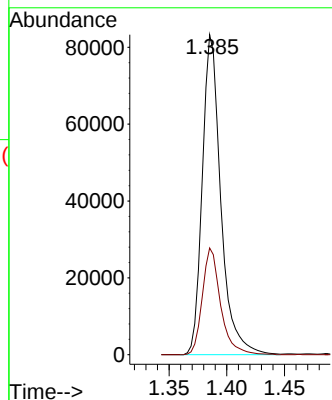
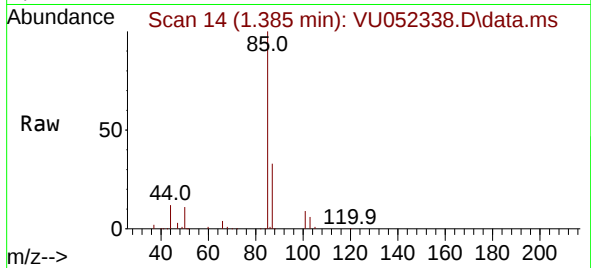




#2  
Dichlorodifluoromethane  
Concen: 4.285 ug/L  
RT: 1.385 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

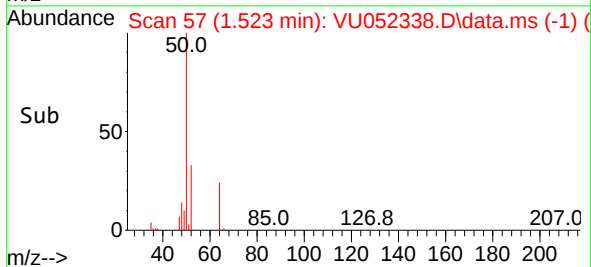
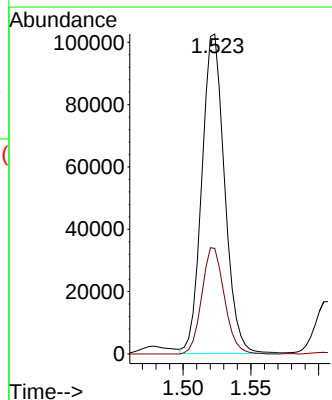
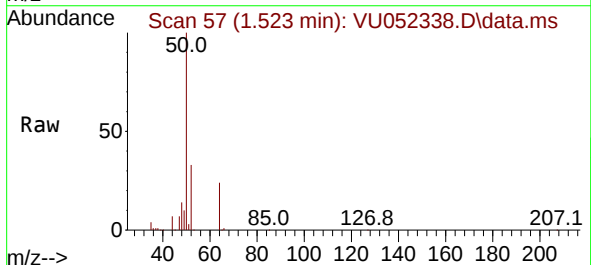
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

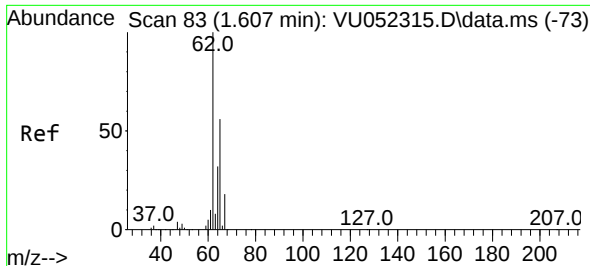
Tgt Ion: 85 Resp: 93122  
Ion Ratio Lower Upper  
85 100  
87 32.8 25.8 38.8



#3  
Chloromethane  
Concen: 4.217 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. 0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion: 50 Resp: 119590  
Ion Ratio Lower Upper  
50 100  
52 33.0 23.4 43.4

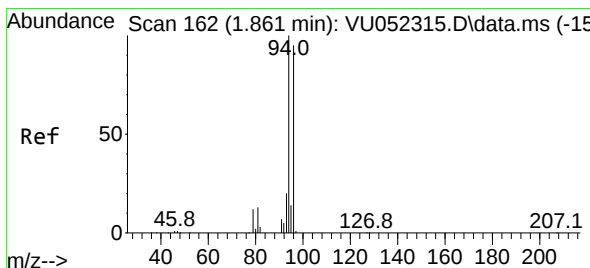
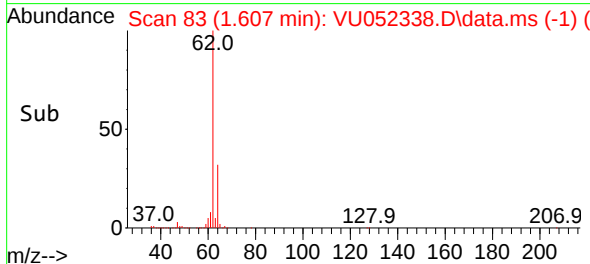
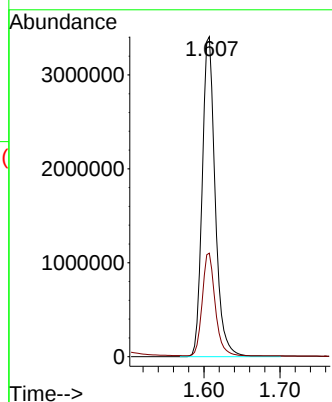
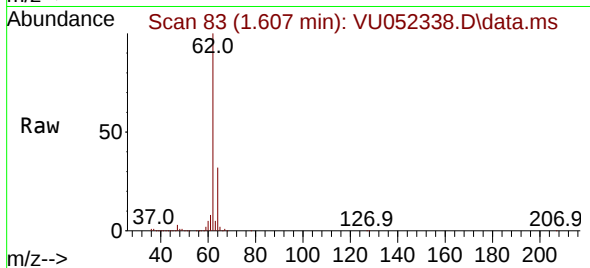




#5  
 Vinyl chloride  
 Concen: 148.588 ug/L  
 RT: 1.607 min Scan# 83  
 Delta R.T. 0.003 min  
 Lab File: VU052338.D  
 Acq: 10 Dec 2022 05:57

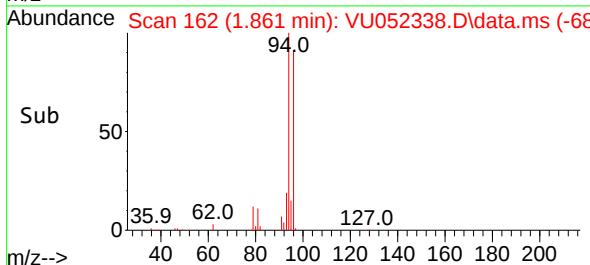
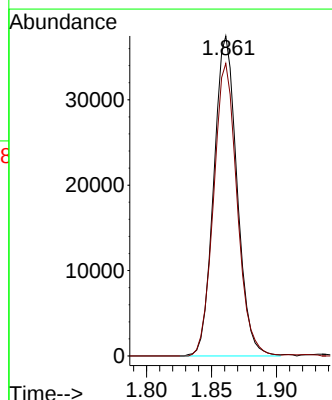
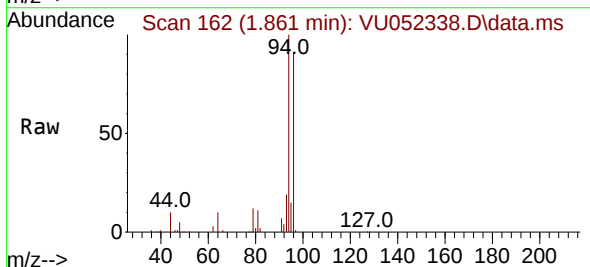
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ94MS

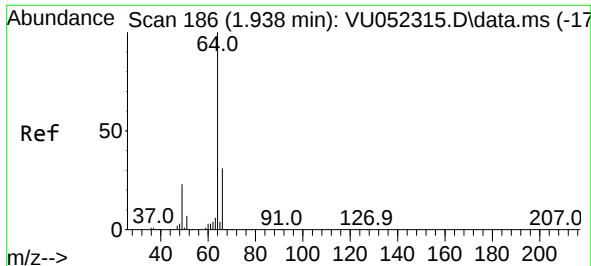
Tgt Ion: 62 Resp: 4048668  
 Ion Ratio Lower Upper  
 62 100  
 64 32.4 23.5 43.7



#6  
 Bromomethane  
 Concen: 3.328 ug/L  
 RT: 1.861 min Scan# 162  
 Delta R.T. 0.003 min  
 Lab File: VU052338.D  
 Acq: 10 Dec 2022 05:57

Tgt Ion: 94 Resp: 46527  
 Ion Ratio Lower Upper  
 94 100  
 96 91.4 65.7 122.1

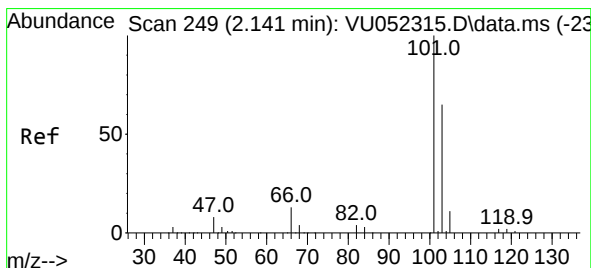
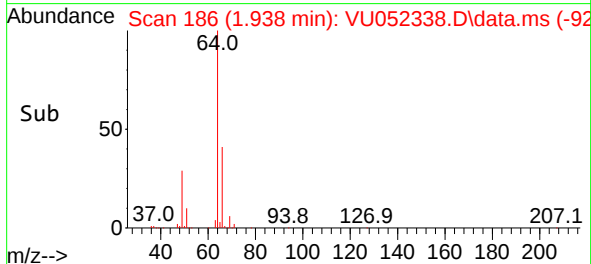
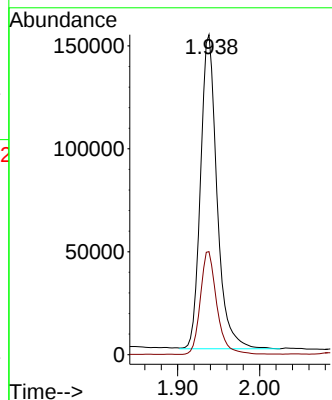
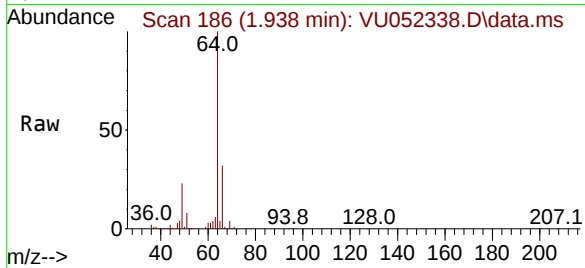




#8  
Chloroethane  
Concen: 12.551 ug/L  
RT: 1.938 min Scan# 186  
Delta R.T. 0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

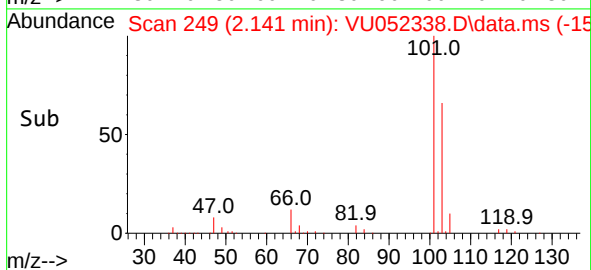
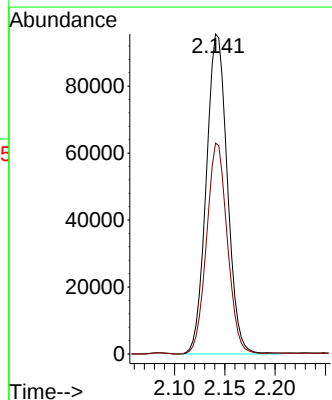
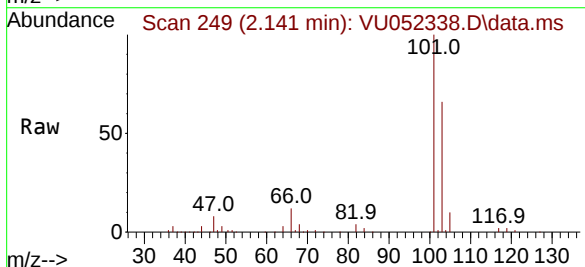
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

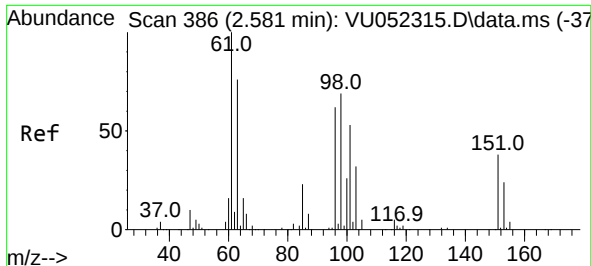
Tgt Ion: 64 Resp: 212665  
Ion Ratio Lower Upper  
64 100  
66 32.2 21.1 39.1



#9  
Trichlorofluoromethane  
Concen: 4.650 ug/L  
RT: 2.141 min Scan# 249  
Delta R.T. 0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion: 101 Resp: 139375  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.6 77.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.558 ug/L

RT: 2.584 min Scan# 387

Delta R.T. 0.003 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

Instrument :

MSVOA\_U

ClientSampleId :

EXZ94MS

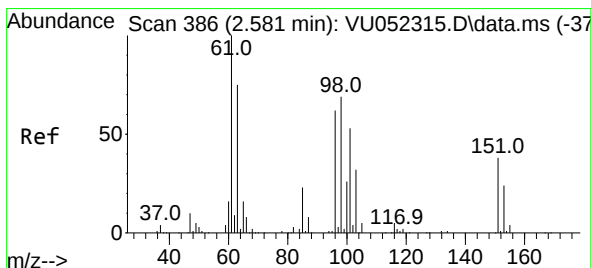
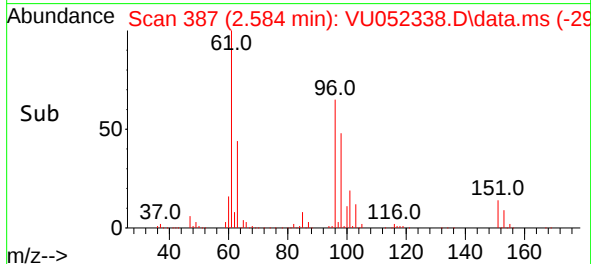
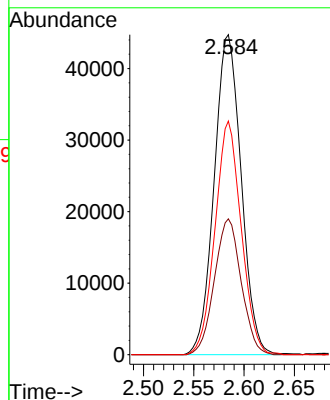
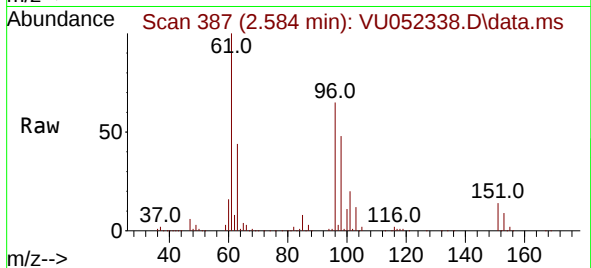
Tgt Ion:101 Resp: 83538

Ion Ratio Lower Upper

101 100

85 42.0 33.8 50.6

151 70.8 58.6 88.0



#12

1,1-Dichloroethene

Concen: 13.337 ug/L

RT: 2.584 min Scan# 387

Delta R.T. 0.003 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

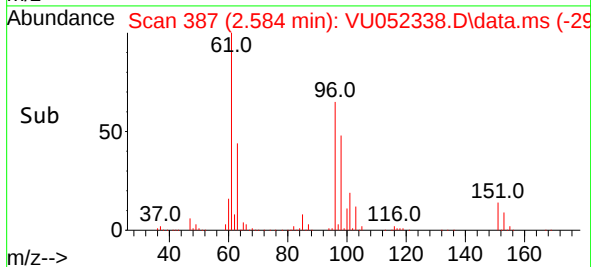
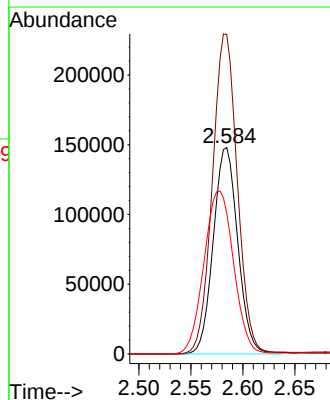
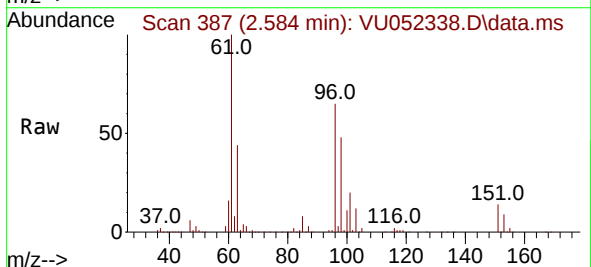
Tgt Ion: 96 Resp: 242402

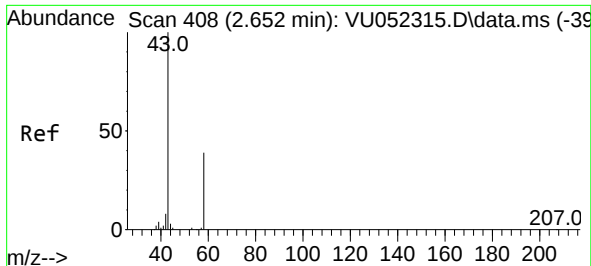
Ion Ratio Lower Upper

96 100

61 154.7 114.8 213.2

63 68.2 93.7 174.1#





#13

Acetone

Concen: 55.035 ug/L

RT: 2.649 min Scan# 408

Delta R.T. 0.003 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

Instrument :

MSVOA\_U

ClientSampleId :

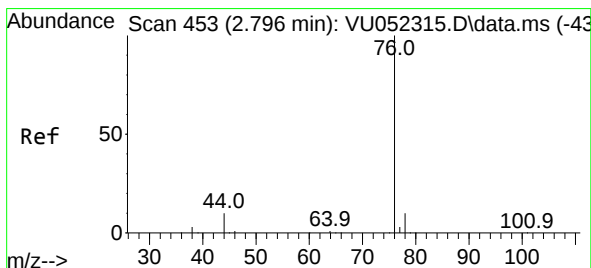
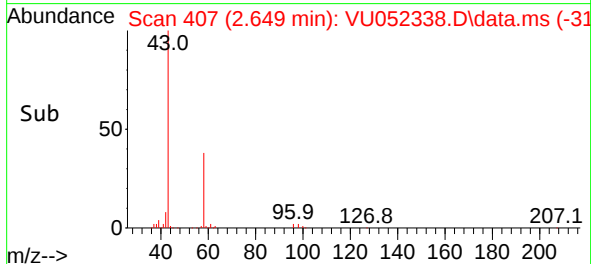
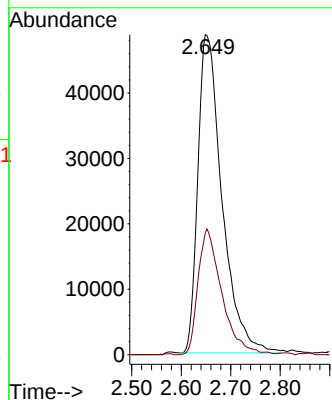
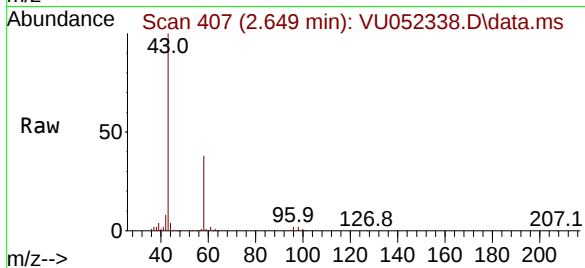
EXZ94MS

Tgt Ion: 43 Resp: 165089

Ion Ratio Lower Upper

43 100

58 38.5 0.0 76.0



#14

Carbon disulfide

Concen: 4.336 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.003 min

Lab File: VU052338.D

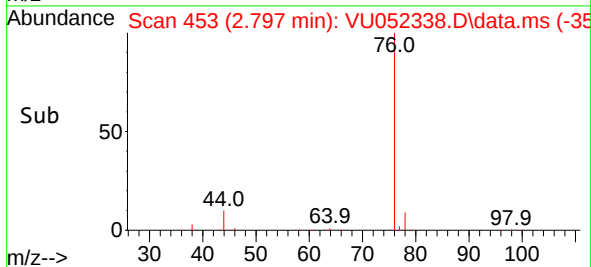
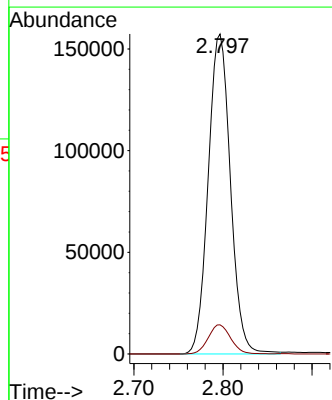
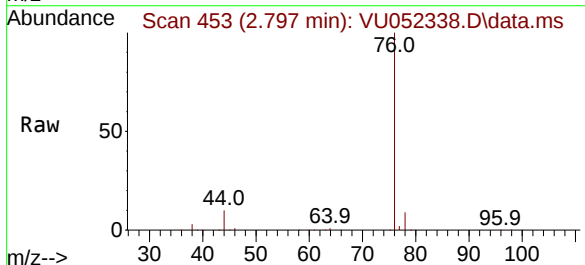
Acq: 10 Dec 2022 05:57

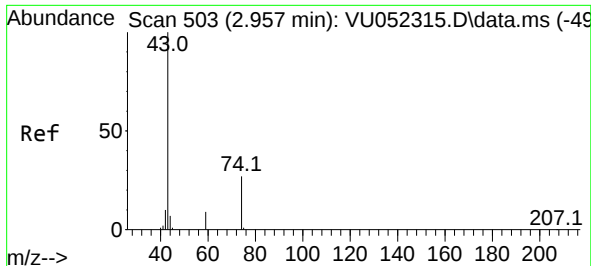
Tgt Ion: 76 Resp: 272803

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

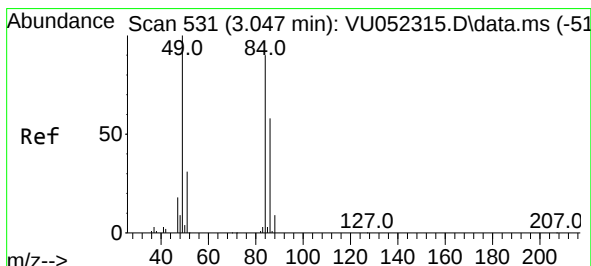
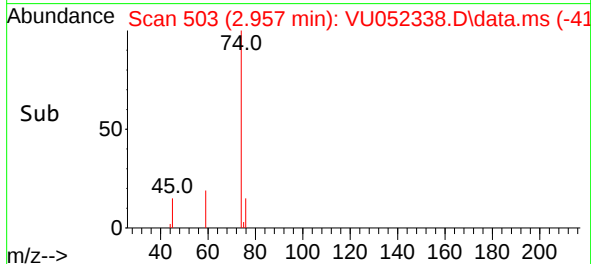
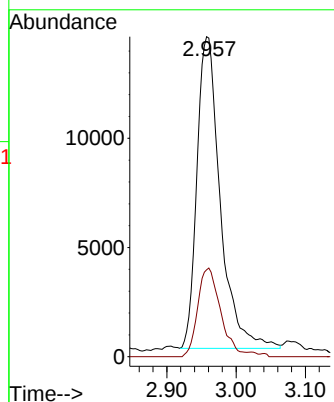
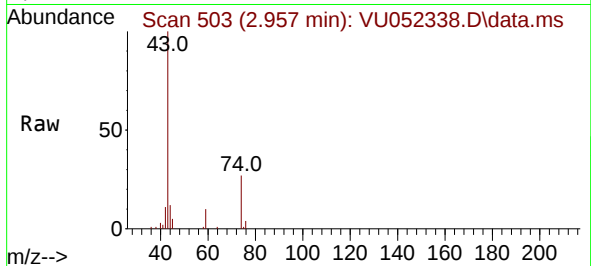




#15  
Methyl Acetate  
Concen: 4.300 ug/L  
RT: 2.957 min Scan# 503  
Delta R.T. -0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

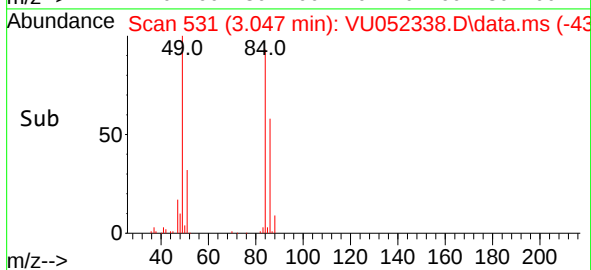
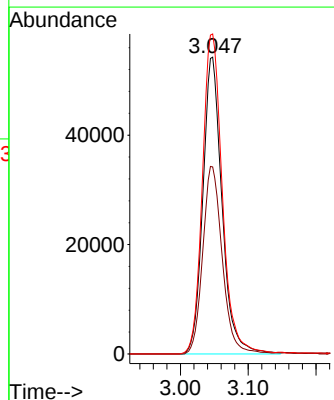
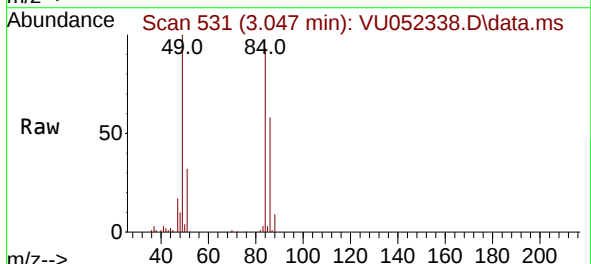
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

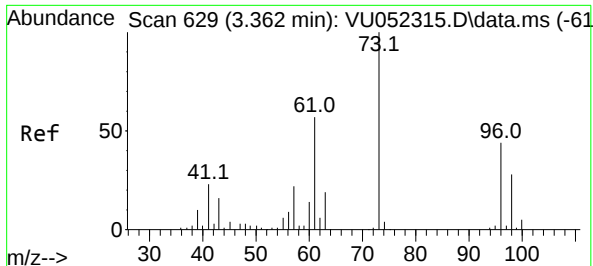
Tgt Ion: 43 Resp: 33458  
Ion Ratio Lower Upper  
43 100  
74 27.7 21.3 31.9



#16  
Methylene chloride  
Concen: 4.334 ug/L  
RT: 3.047 min Scan# 531  
Delta R.T. 0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion: 84 Resp: 106573  
Ion Ratio Lower Upper  
84 100  
86 63.0 43.8 81.4  
49 107.8 75.9 141.1





#17

Methyl tert-butyl Ether

Concen: 4.799 ug/L

RT: 3.363 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

Instrument :

MSVOA\_U

ClientSampleId :

EXZ94MS

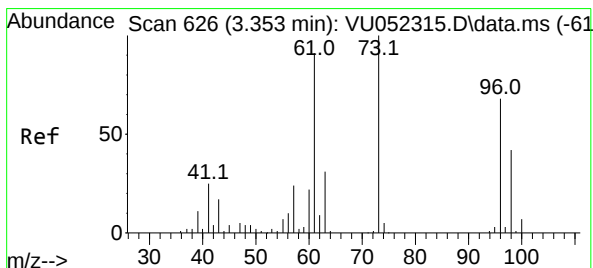
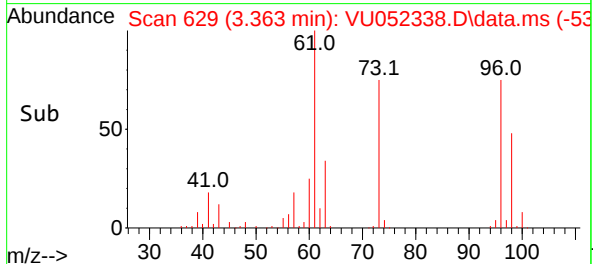
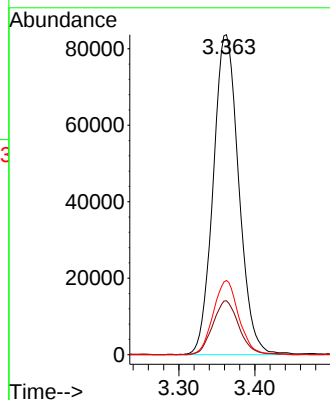
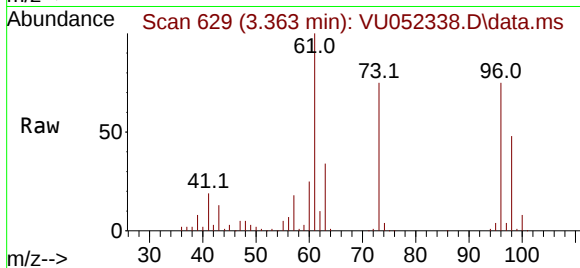
Tgt Ion: 73 Resp: 195250

Ion Ratio Lower Upper

73 100

43 17.3 13.2 19.8

57 23.1 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 10.118 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.003 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

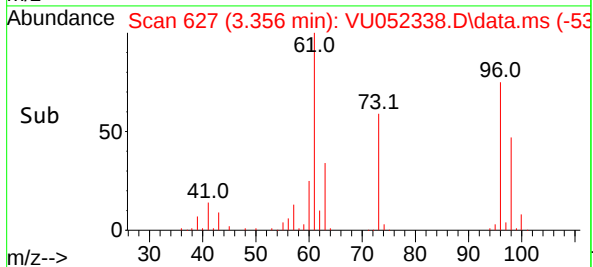
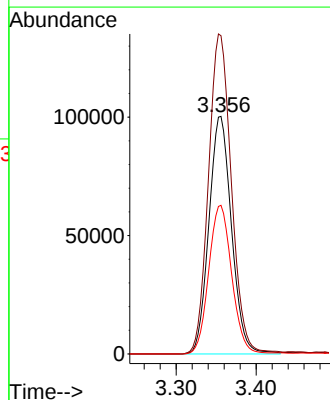
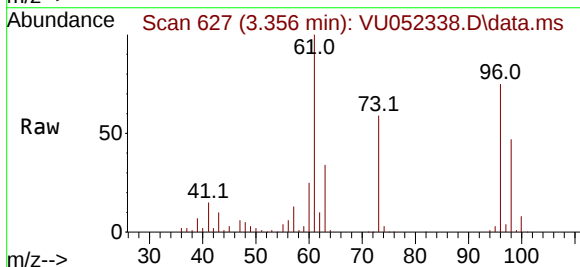
Tgt Ion: 96 Resp: 197133

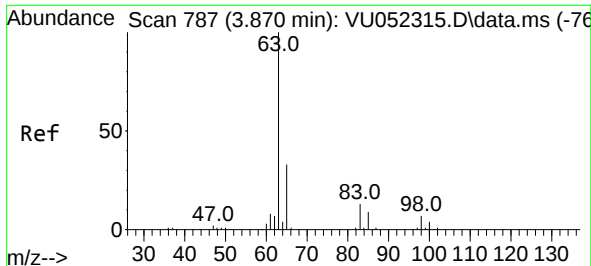
Ion Ratio Lower Upper

96 100

61 133.9 97.9 181.7

98 62.6 43.8 81.3

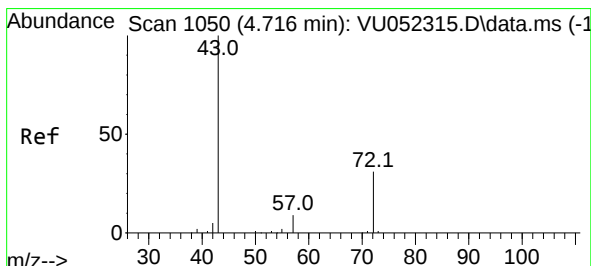
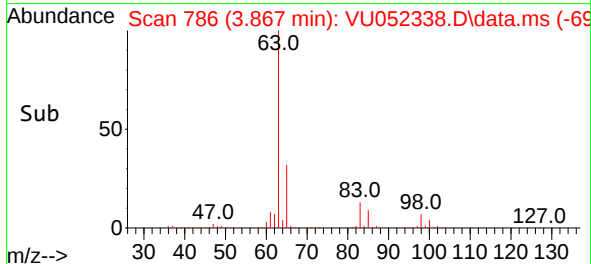
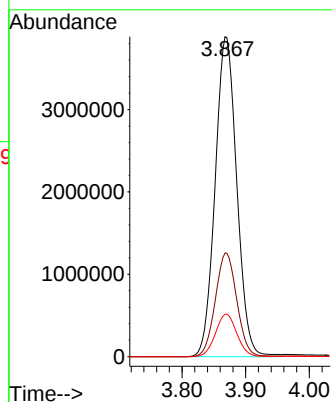
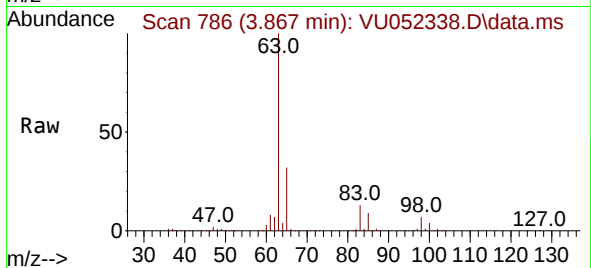




#19  
1,1-Dichloroethane  
Concen: 261.135 ug/L  
RT: 3.867 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

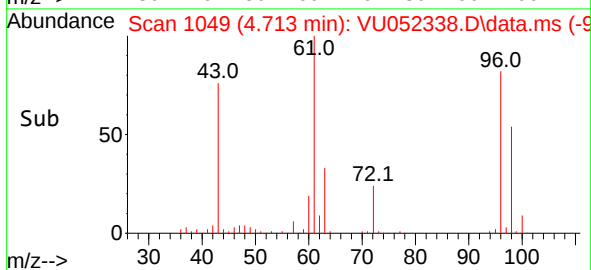
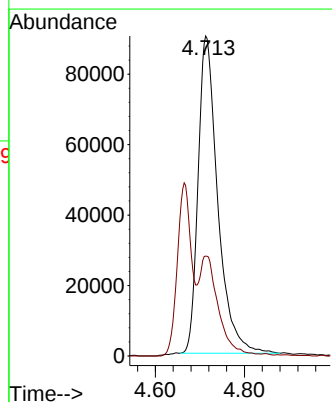
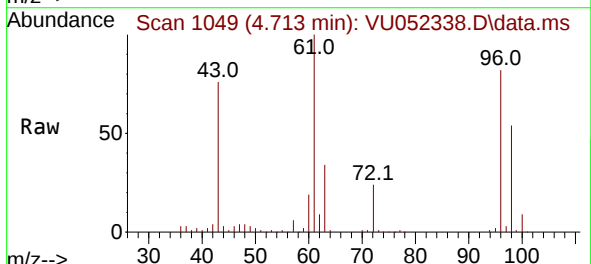
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

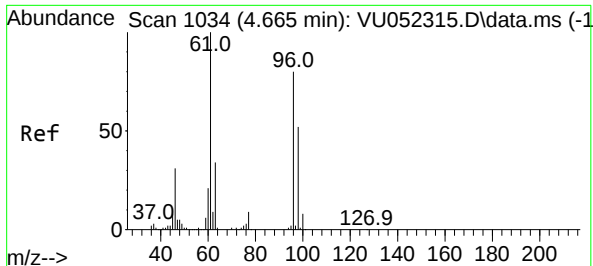
Tgt Ion: 63 Resp: 9169517  
Ion Ratio Lower Upper  
63 100  
65 32.4 22.2 41.2  
83 13.2 9.2 17.0



#21  
2-Butanone  
Concen: 57.482 ug/L  
RT: 4.713 min Scan# 1049  
Delta R.T. 0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion: 43 Resp: 276366  
Ion Ratio Lower Upper  
43 100  
72 29.2 15.6 46.8

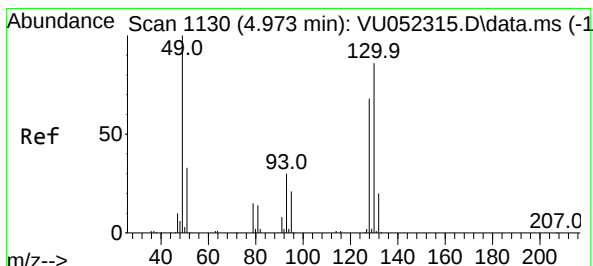
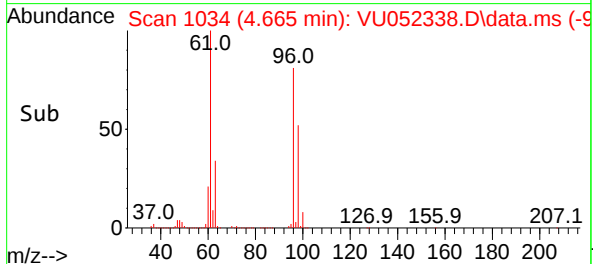
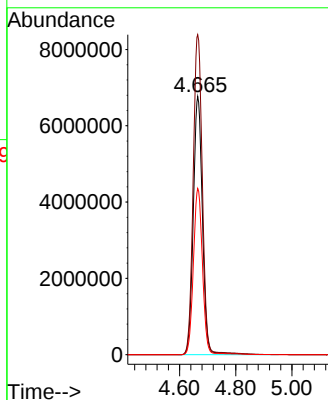
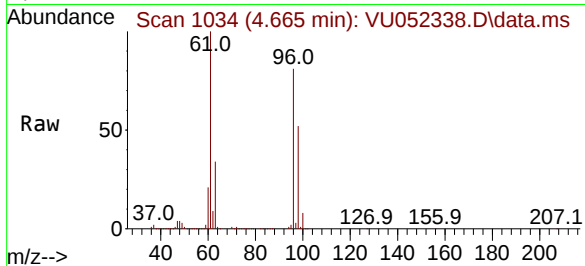




#22  
cis-1,2-Dichloroethene  
Concen: 750.158 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

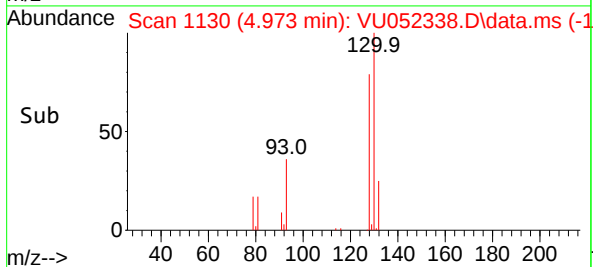
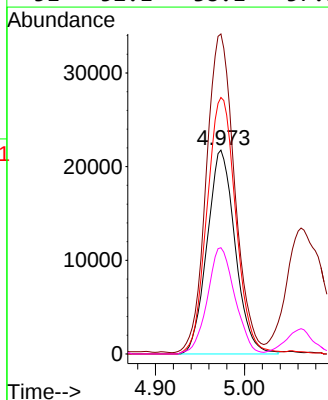
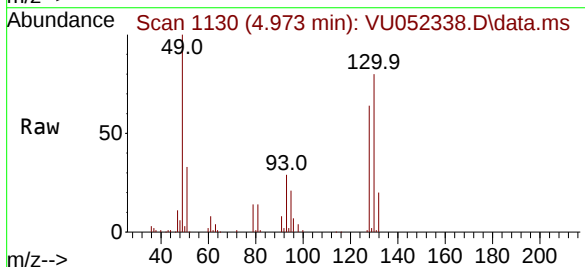
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

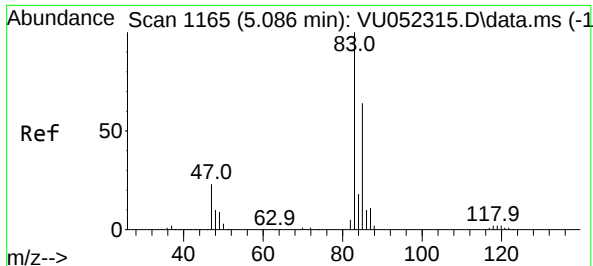
Tgt Ion: 96 Resp:15338615  
Ion Ratio Lower Upper  
96 100  
61 123.9 85.1 158.1  
98 64.4 42.8 79.6



#23  
Bromochloromethane  
Concen: 4.862 ug/L  
RT: 4.973 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion:128 Resp: 47561  
Ion Ratio Lower Upper  
128 100  
49 157.0 104.0 193.2  
130 125.9 84.6 157.2  
51 52.1 38.1 57.1





#25

Chloroform

Concen: 5.002 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

Instrument :

MSVOA\_U

ClientSampleId :

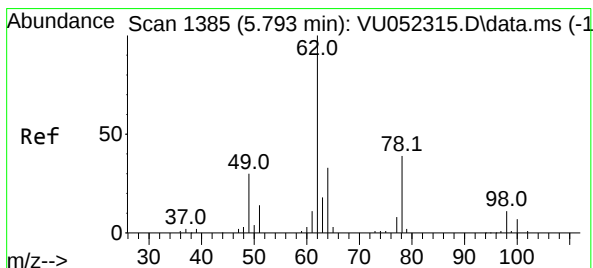
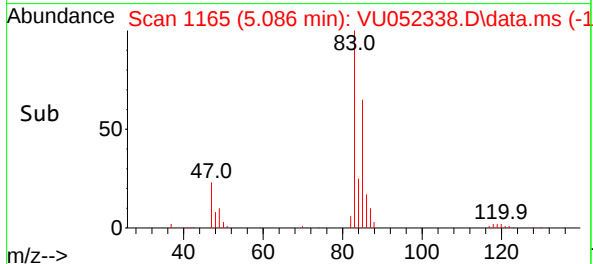
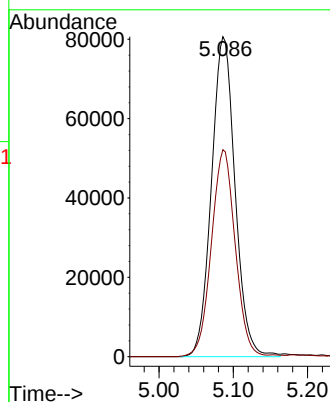
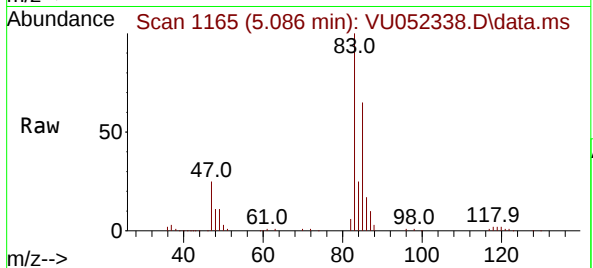
EXZ94MS

Tgt Ion: 83 Resp: 177960

Ion Ratio Lower Upper

83 100

85 64.7 43.8 81.4



#27

1,2-Dichloroethane

Concen: 6.556 ug/L

RT: 5.790 min Scan# 1384

Delta R.T. -0.003 min

Lab File: VU052338.D

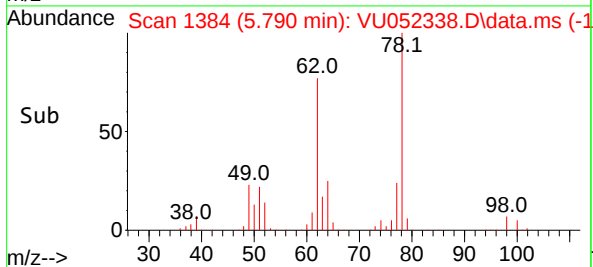
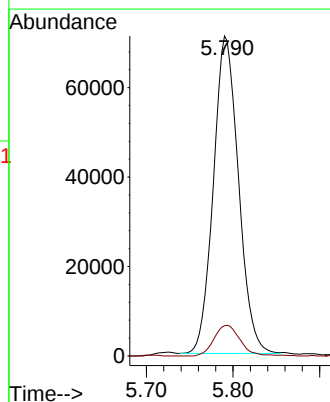
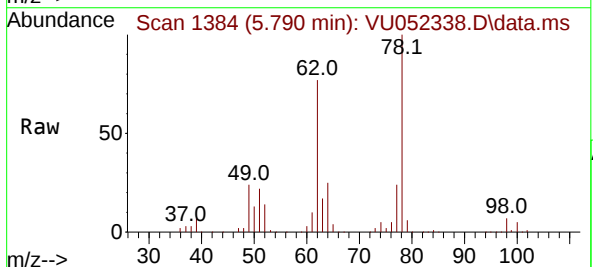
Acq: 10 Dec 2022 05:57

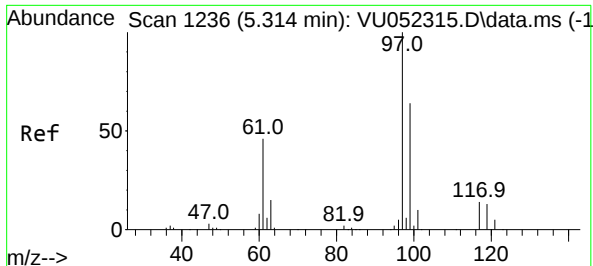
Tgt Ion: 62 Resp: 142879

Ion Ratio Lower Upper

62 100

98 9.4 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 126.345 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

Instrument :

MSVOA\_U

ClientSampleId :

EXZ94MS

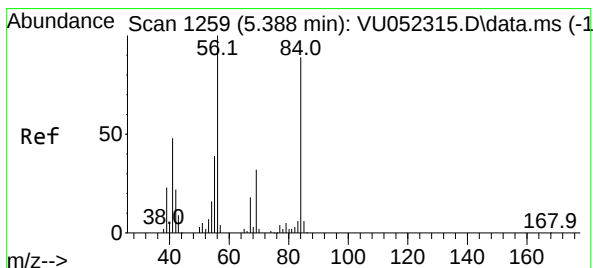
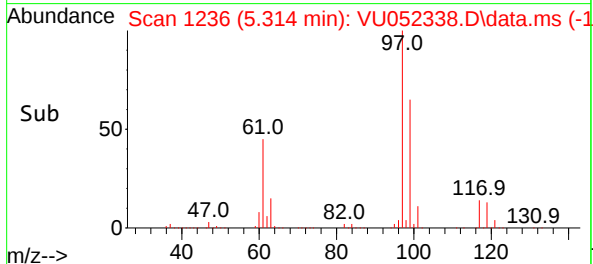
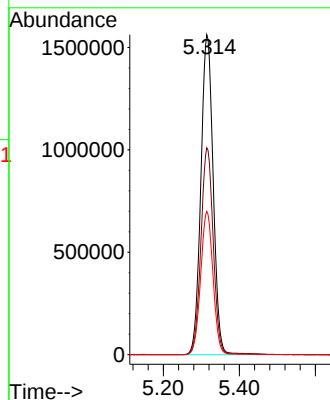
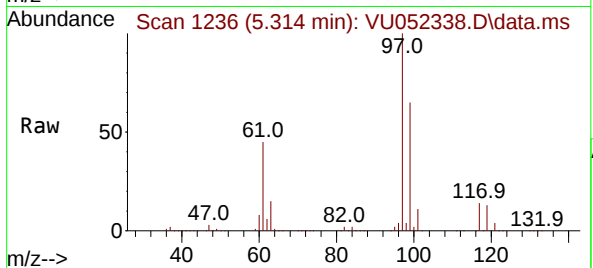
Tgt Ion: 97 Resp: 3519630

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 44.7 36.9 55.3



#30

Cyclohexane

Concen: 5.111 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

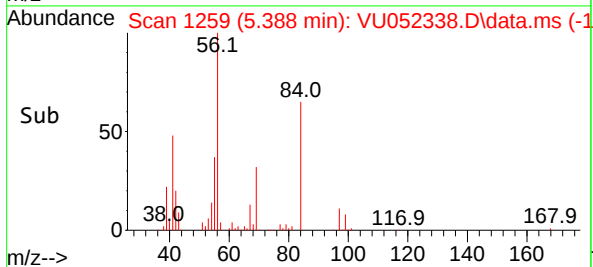
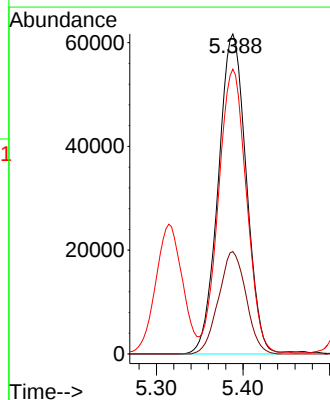
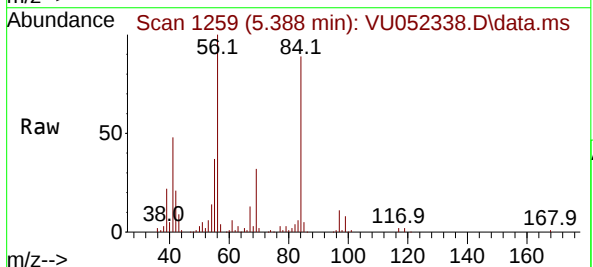
Tgt Ion: 56 Resp: 138252

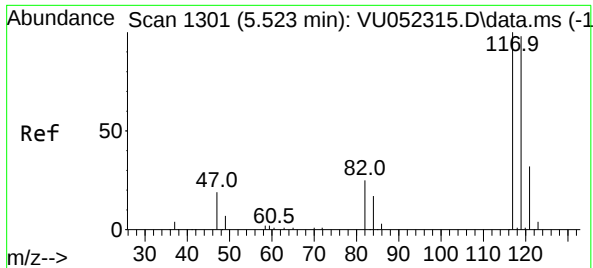
Ion Ratio Lower Upper

56 100

69 31.4 25.6 38.4

84 89.3 72.0 108.0

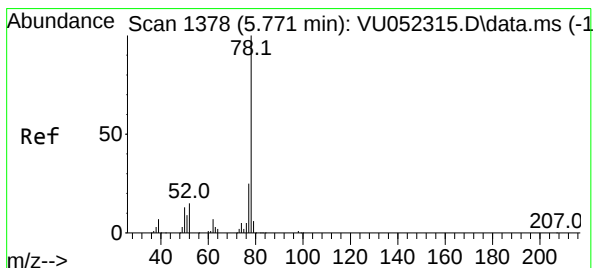
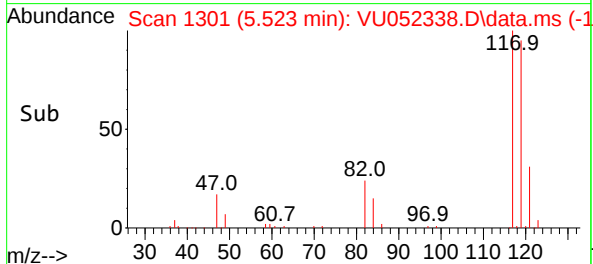
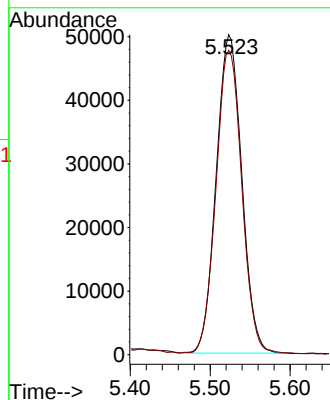
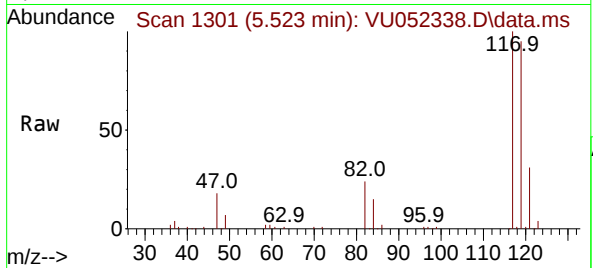




#31  
Carbon tetrachloride  
Concen: 4.683 ug/L  
RT: 5.523 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

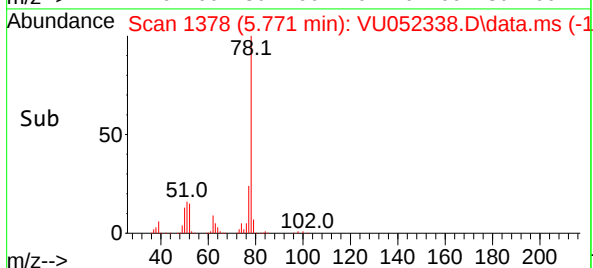
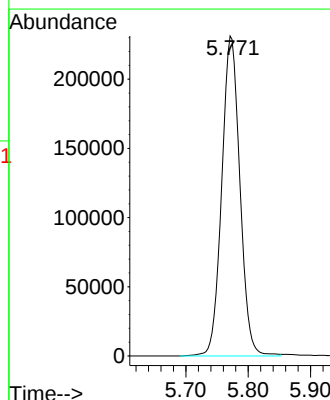
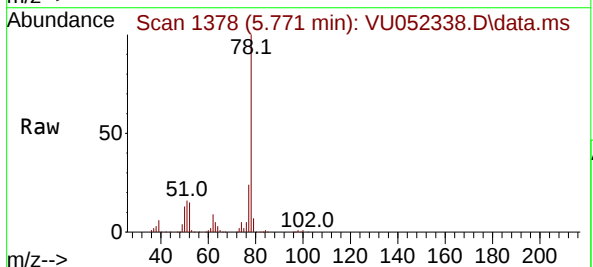
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

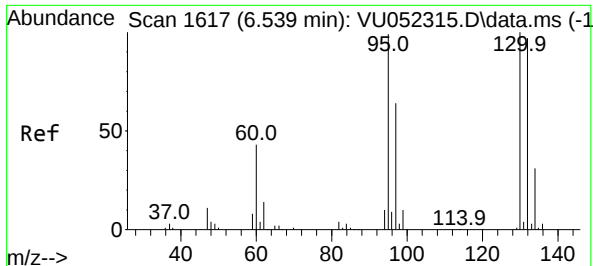
Tgt Ion:117 Resp: 110847  
Ion Ratio Lower Upper  
117 100  
119 95.8 77.2 115.8



#33  
Benzene  
Concen: 5.715 ug/L  
RT: 5.771 min Scan# 1378  
Delta R.T. -0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion: 78 Resp: 467001

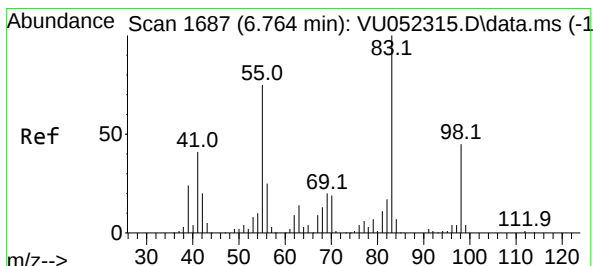
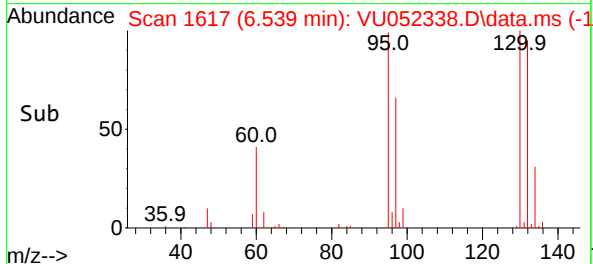
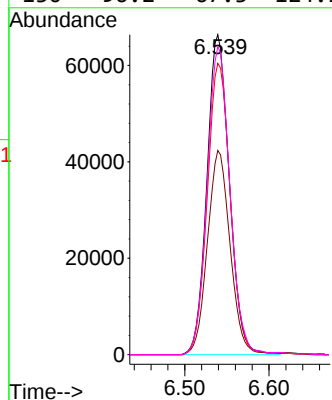
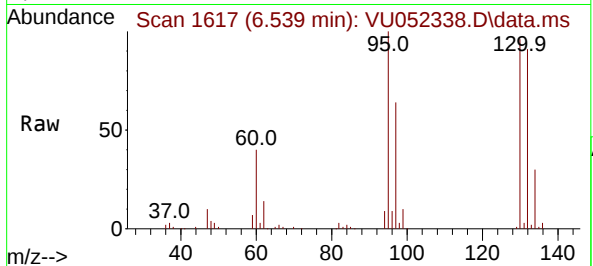




#34  
Trichloroethene  
Concen: 6.050 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. -0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

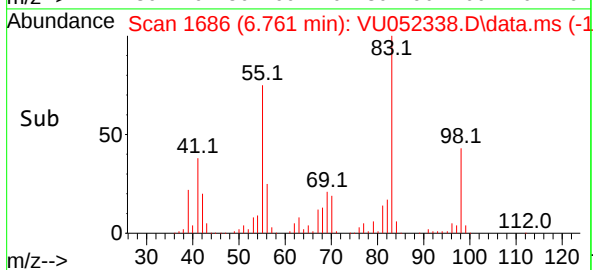
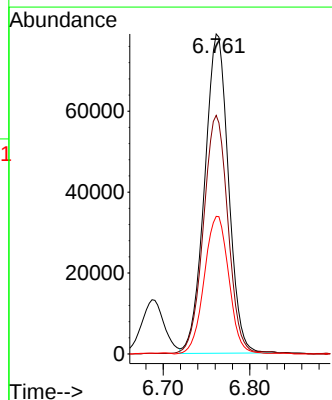
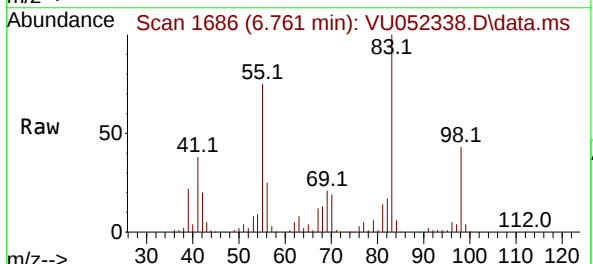
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

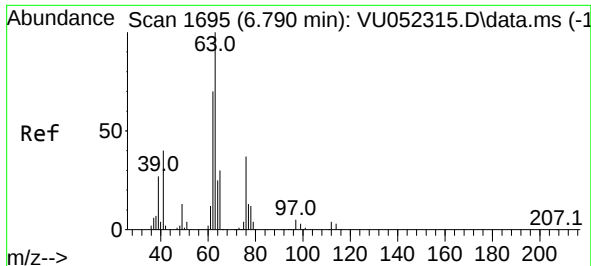
Tgt Ion: 95 Resp: 123311  
Ion Ratio Lower Upper  
95 100  
97 63.8 43.7 81.1  
132 91.0 64.3 119.3  
130 96.2 67.3 124.9



#35  
Methylcyclohexane  
Concen: 5.153 ug/L  
RT: 6.761 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion: 83 Resp: 151085  
Ion Ratio Lower Upper  
83 100  
55 77.7 60.8 91.2  
98 44.6 35.1 52.7





#37

1,2-Dichloropropane

Concen: 5.051 ug/L

RT: 6.787 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

Instrument :

MSVOA\_U

ClientSampleId :

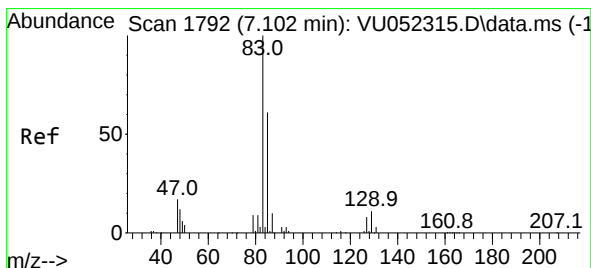
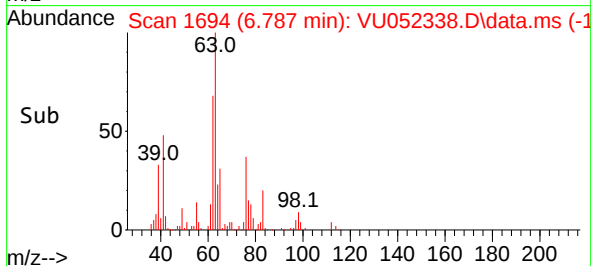
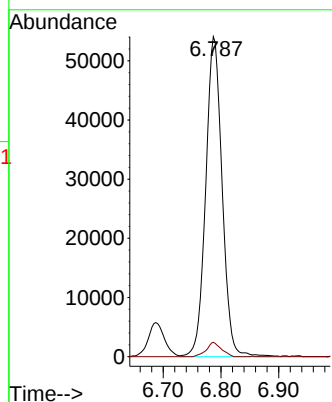
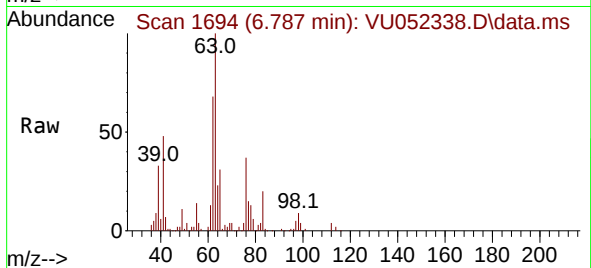
EXZ94MS

Tgt Ion: 63 Resp: 106856

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 4.905 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

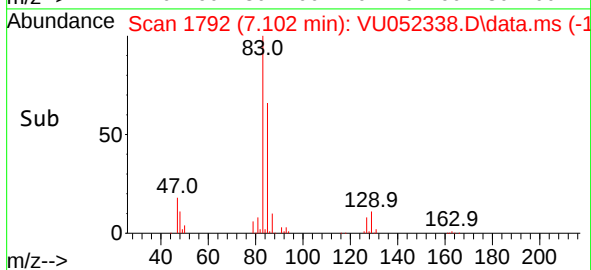
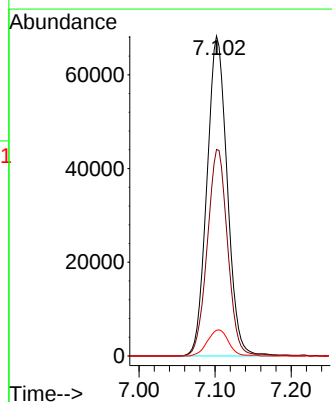
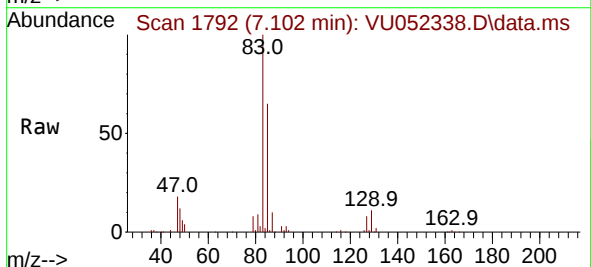
Tgt Ion: 83 Resp: 126525

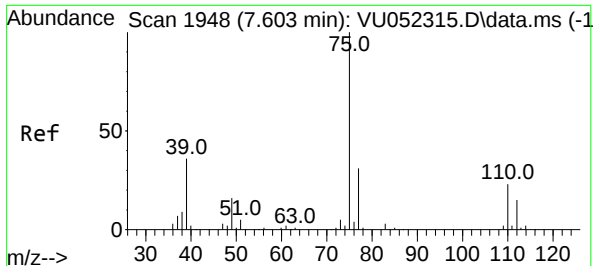
Ion Ratio Lower Upper

83 100

85 64.6 43.5 80.9

127 8.1 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 4.507 ug/L

RT: 7.604 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

Instrument :

MSVOA\_U

ClientSampleId :

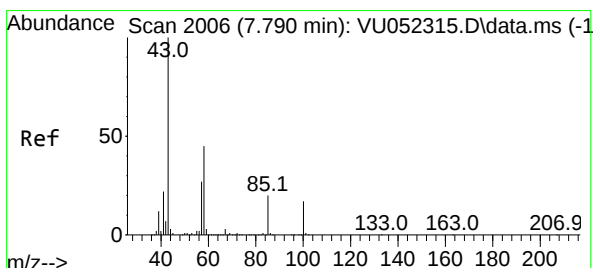
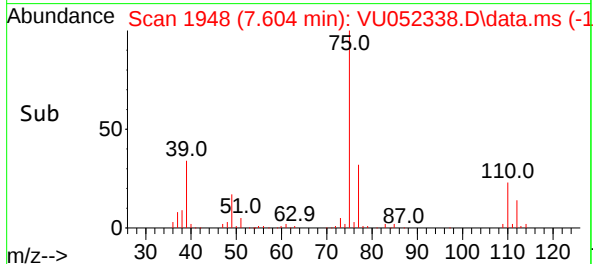
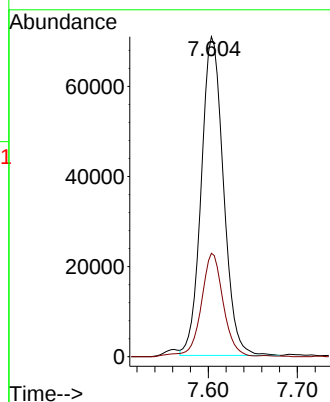
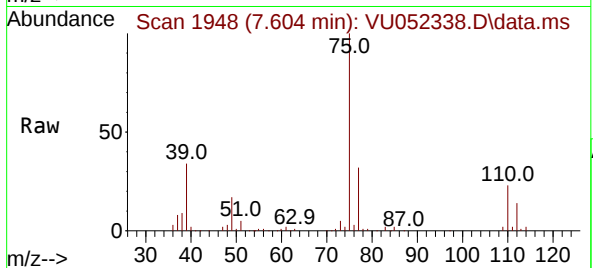
EXZ94MS

Tgt Ion: 75 Resp: 122421

Ion Ratio Lower Upper

75 100

77 32.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 56.315 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. -0.000 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

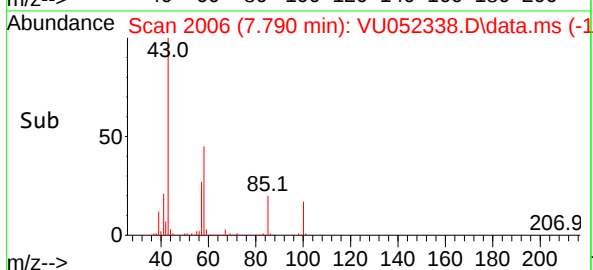
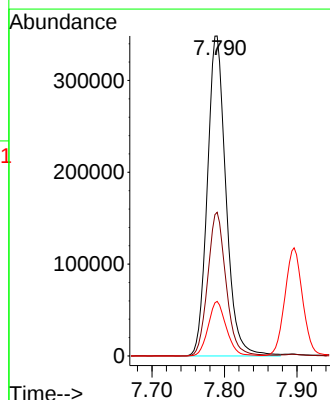
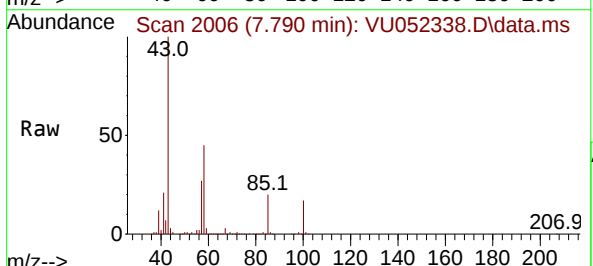
Tgt Ion: 43 Resp: 622367

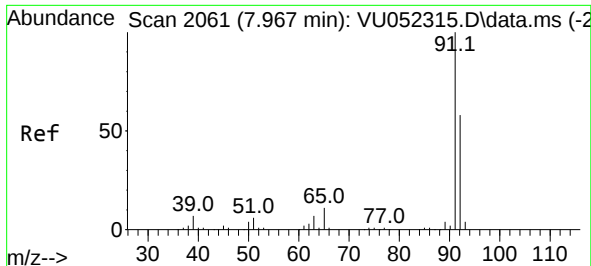
Ion Ratio Lower Upper

43 100

58 44.2 35.3 52.9

100 16.6 13.6 20.4





#42

Toluene

Concen: 14.324 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

Instrument :

MSVOA\_U

ClientSampleId :

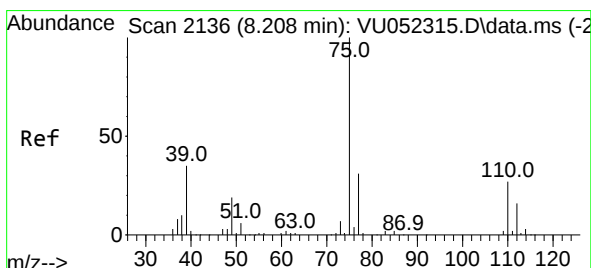
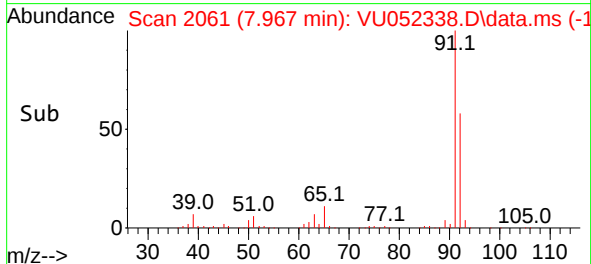
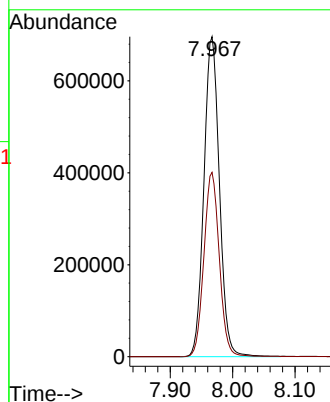
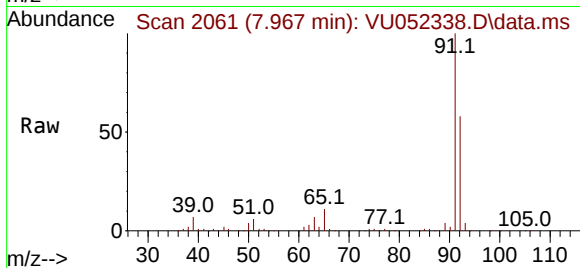
EXZ94MS

Tgt Ion: 91 Resp: 1203965

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.836 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052338.D

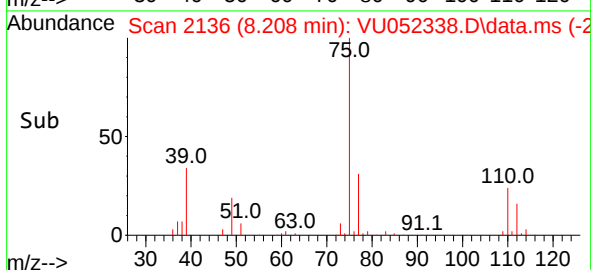
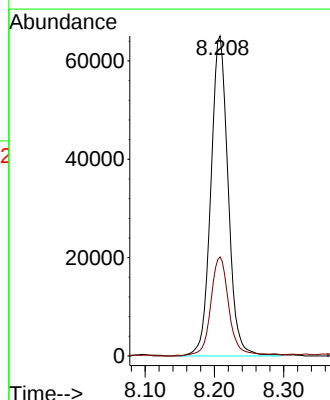
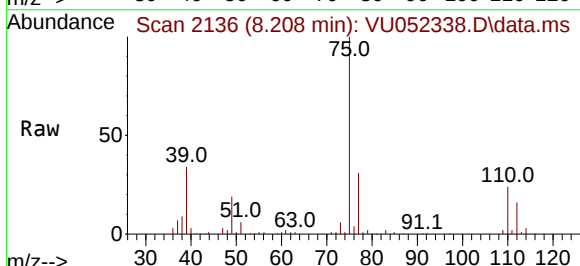
Acq: 10 Dec 2022 05:57

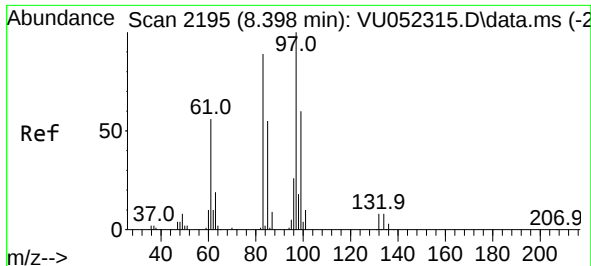
Tgt Ion: 75 Resp: 112492

Ion Ratio Lower Upper

75 100

77 30.9 22.6 42.0

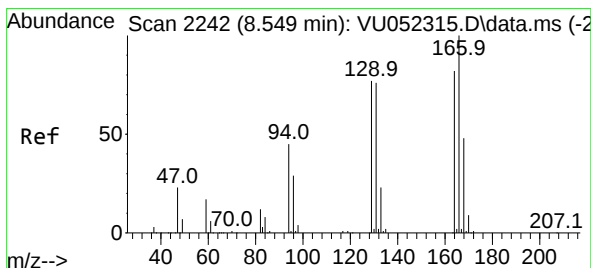
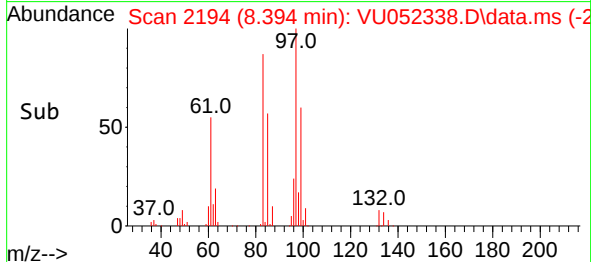
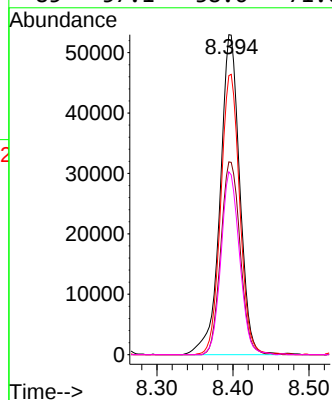
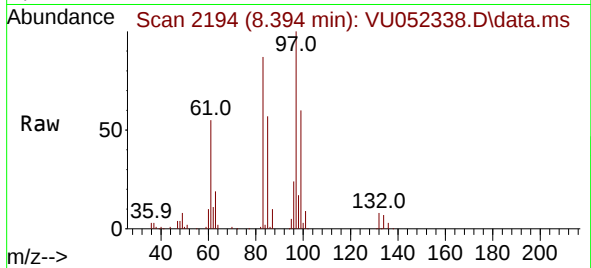




#45  
1,1,2-Trichloroethane  
Concen: 5.959 ug/L  
RT: 8.394 min Scan# 2194  
Delta R.T. -0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

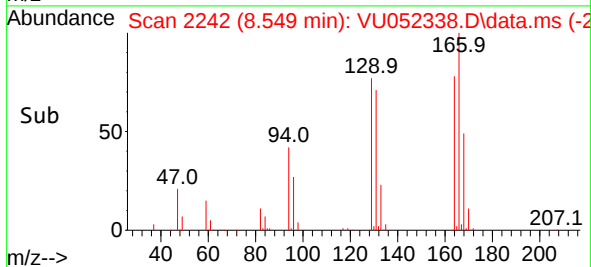
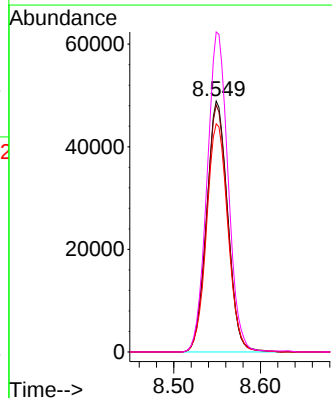
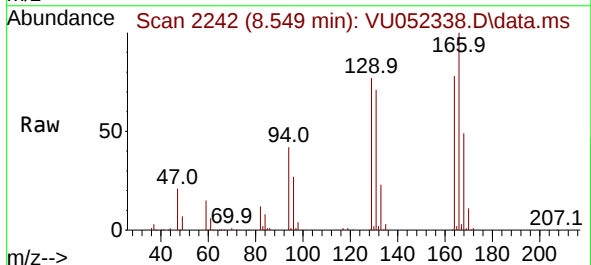
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

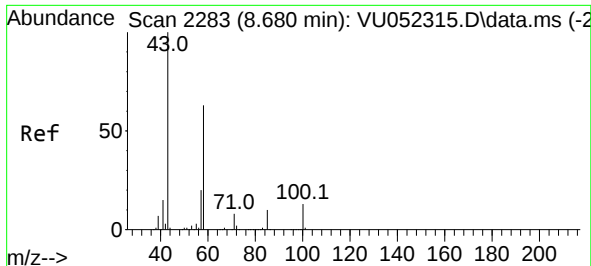
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 94744 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 60.2     | 42.6 79.2   |
| 83 87.2     | 60.7 112.7  |
| 85 57.1     | 38.6 71.6   |



#47  
Tetrachloroethene  
Concen: 5.285 ug/L  
RT: 8.549 min Scan# 2242  
Delta R.T. -0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 82557 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 98.4    | 67.4  | 125.2 |
| 131 | 91.0    | 67.1  | 124.7 |
| 166 | 127.6   | 89.7  | 166.5 |

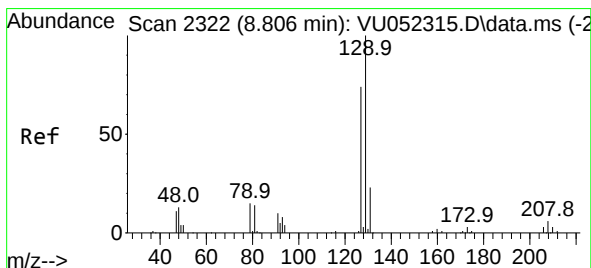
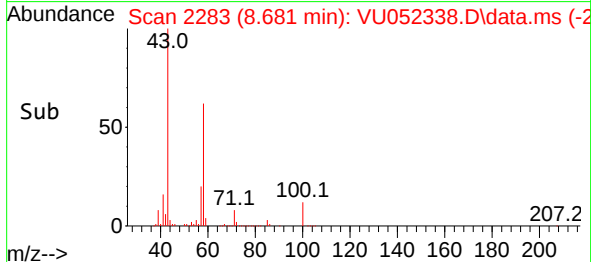
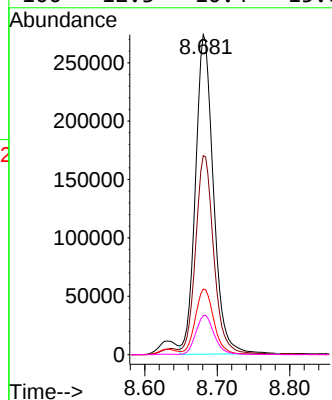
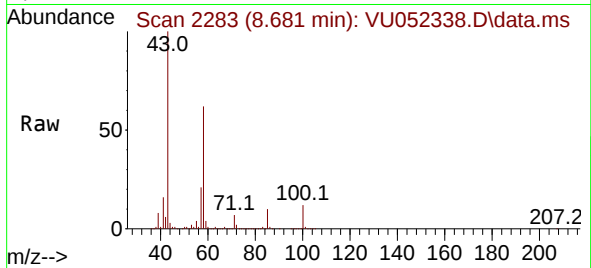




#48  
2-Hexanone  
Concen: 58.093 ug/L  
RT: 8.681 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

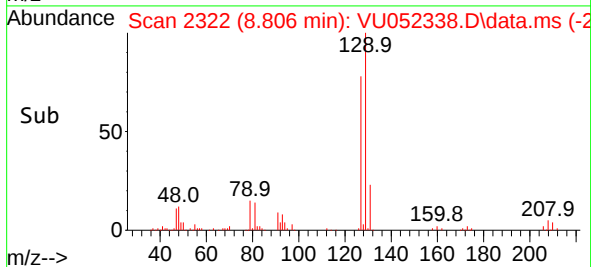
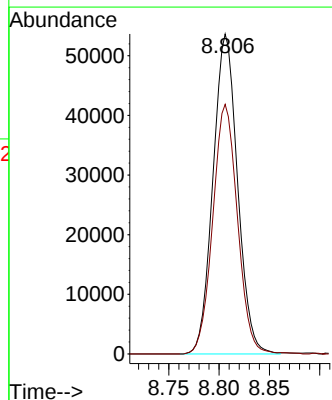
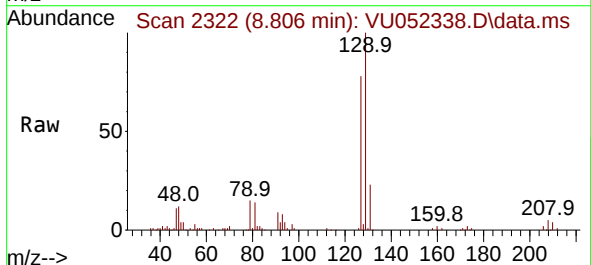
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

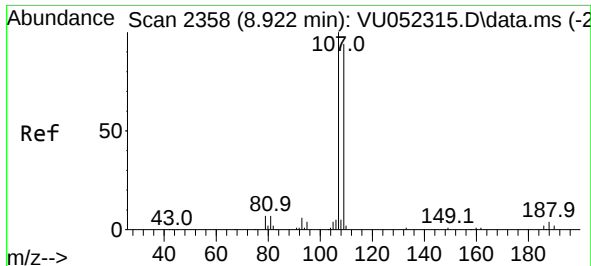
Tgt Ion: 43 Resp: 470672  
Ion Ratio Lower Upper  
43 100  
58 63.3 49.4 74.0  
57 21.2 16.3 24.5  
100 12.3 10.4 15.6



#49  
Dibromochloromethane  
Concen: 5.118 ug/L  
RT: 8.806 min Scan# 2322  
Delta R.T. 0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion: 129 Resp: 91129  
Ion Ratio Lower Upper  
129 100  
127 78.0 52.8 98.2

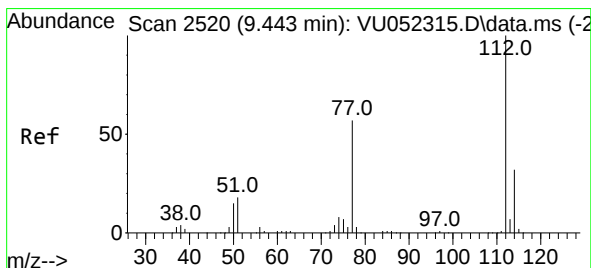
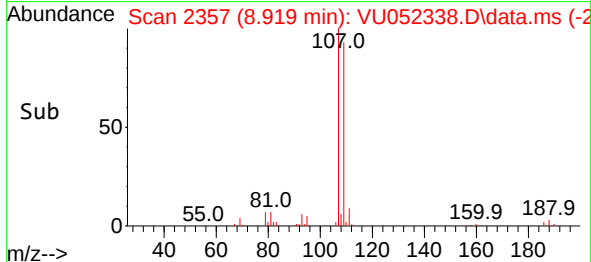
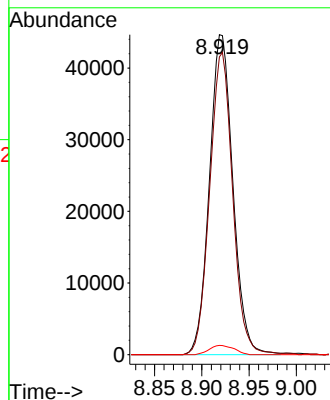
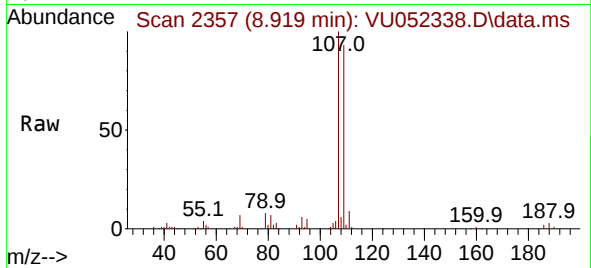




#50  
1,2-Dibromoethane  
Concen: 5.317 ug/L  
RT: 8.919 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

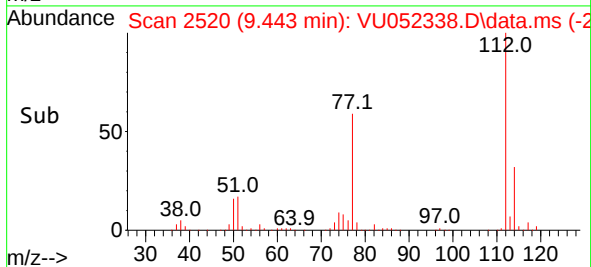
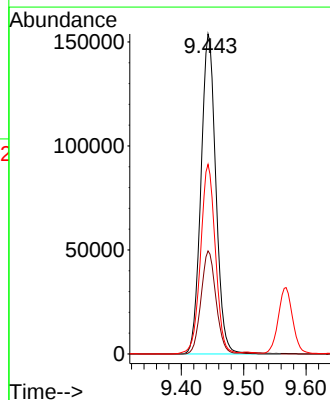
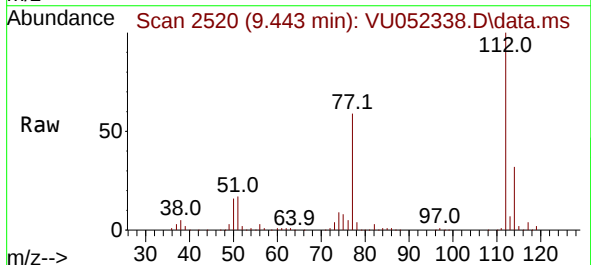
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

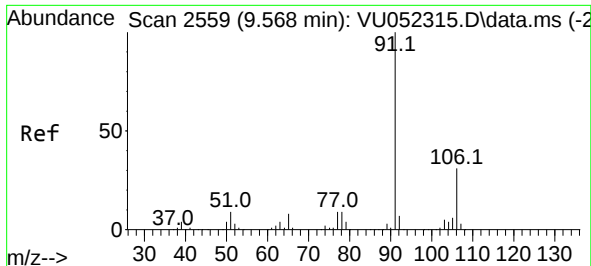
Tgt Ion:107 Resp: 76995  
Ion Ratio Lower Upper  
107 100  
109 93.0 64.9 120.5  
188 2.9 2.6 4.0



#51  
Chlorobenzene  
Concen: 4.773 ug/L  
RT: 9.443 min Scan# 2520  
Delta R.T. -0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion:112 Resp: 255788  
Ion Ratio Lower Upper  
112 100  
114 32.2 22.2 41.2  
77 59.3 46.6 70.0

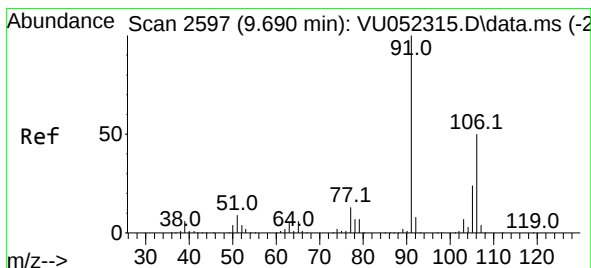
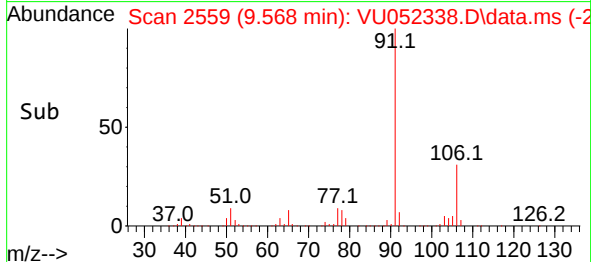
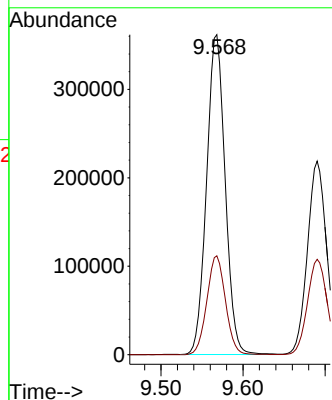
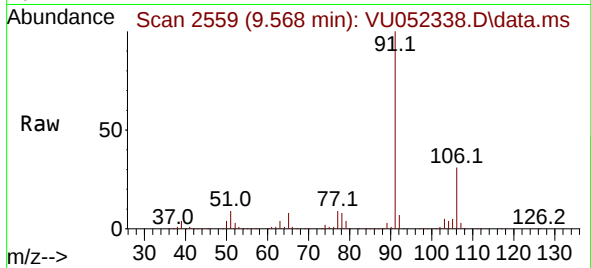




#52  
Ethylbenzene  
Concen: 6.963 ug/L  
RT: 9.568 min Scan# 2559  
Delta R.T. -0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

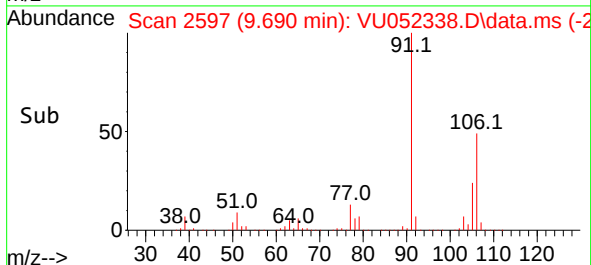
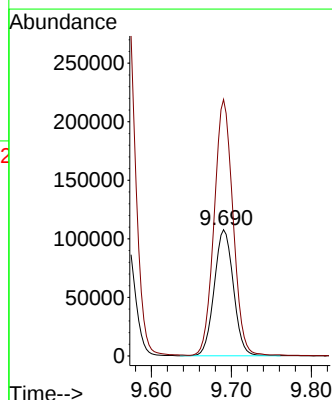
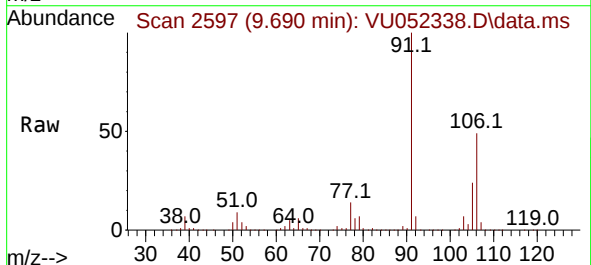
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

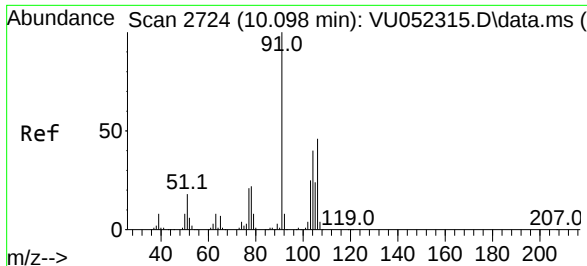
Tgt Ion: 91 Resp: 568965  
Ion Ratio Lower Upper  
91 100  
106 30.9 22.3 41.3



#53  
m,p-Xylene  
Concen: 5.662 ug/L  
RT: 9.690 min Scan# 2597  
Delta R.T. -0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion: 106 Resp: 179156  
Ion Ratio Lower Upper  
106 100  
91 203.0 137.7 255.7

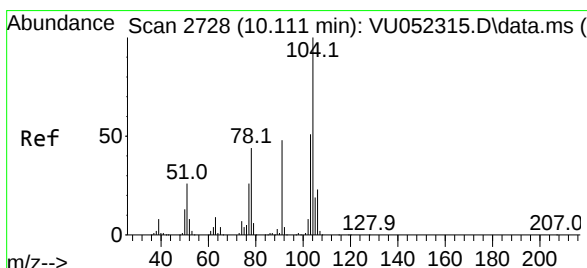
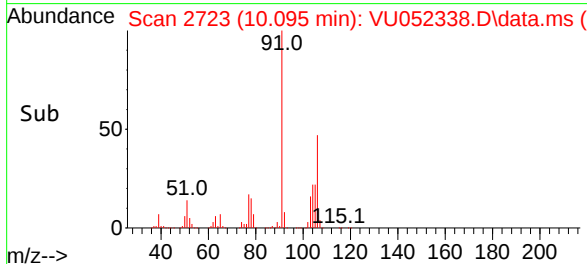
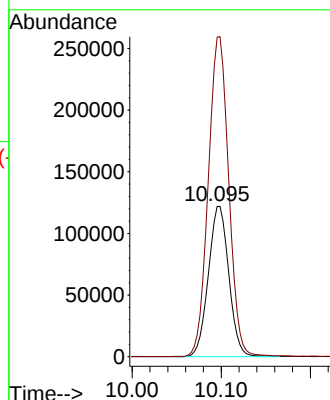
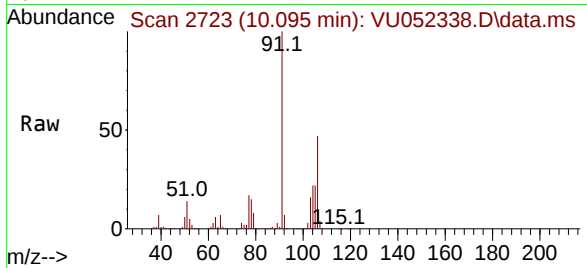




#54  
o-Xylene  
Concen: 6.412 ug/L  
RT: 10.095 min Scan# 2723  
Delta R.T. -0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

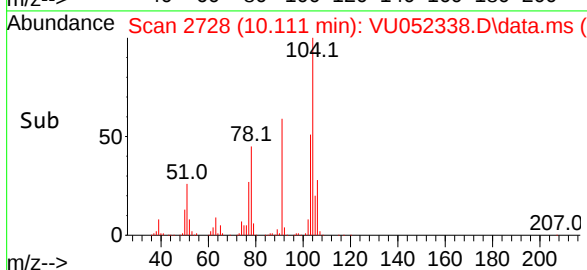
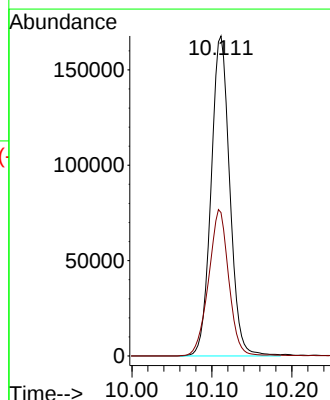
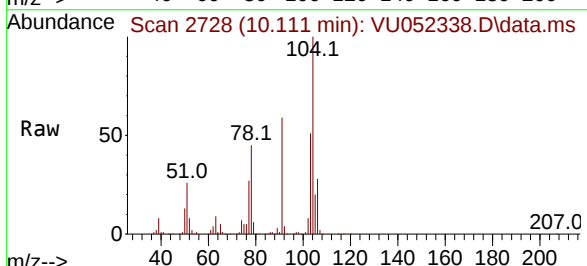
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

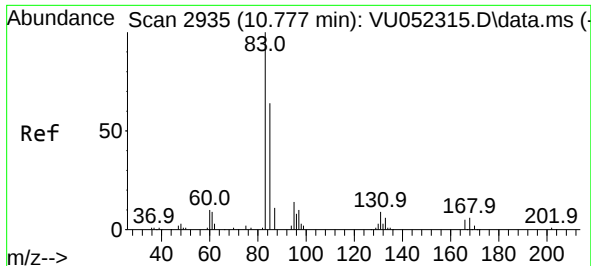
Tgt Ion:106 Resp: 194474  
Ion Ratio Lower Upper  
106 100  
91 212.5 151.5 281.5



#55  
Styrene  
Concen: 5.325 ug/L  
RT: 10.111 min Scan# 2728  
Delta R.T. -0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion:104 Resp: 272789  
Ion Ratio Lower Upper  
104 100  
78 44.8 30.6 56.8

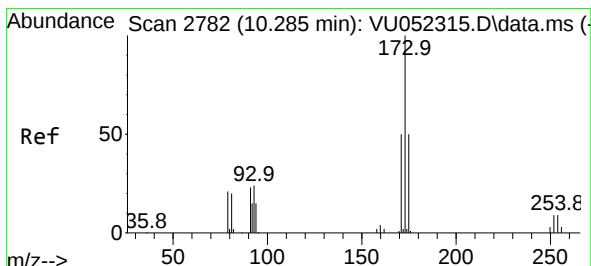
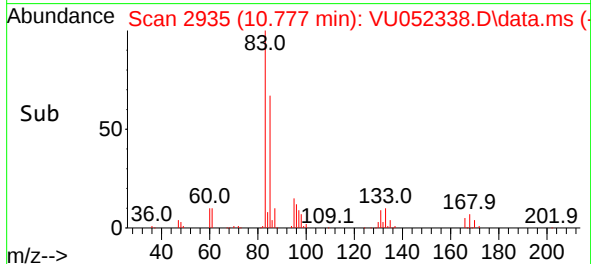
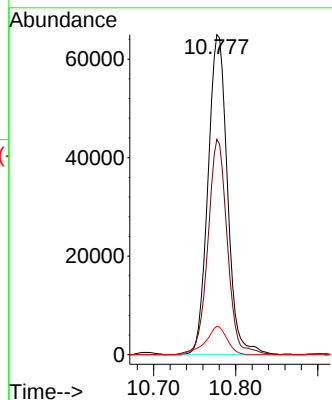
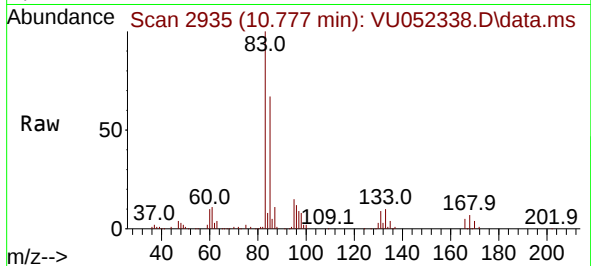




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.407 ug/L  
 RT: 10.777 min Scan# 2935  
 Delta R.T. -0.003 min  
 Lab File: VU052338.D  
 Acq: 10 Dec 2022 05:57

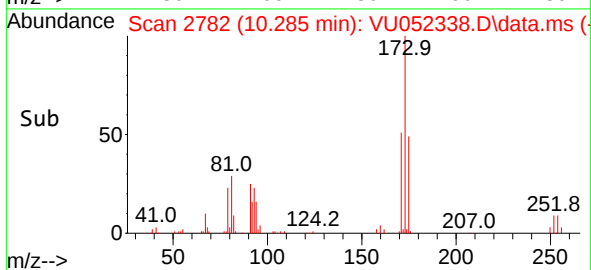
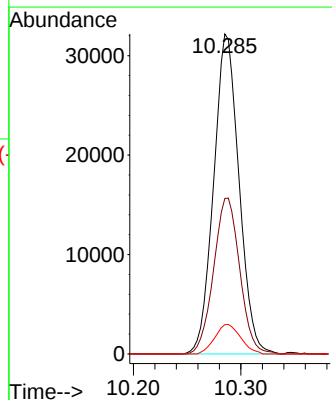
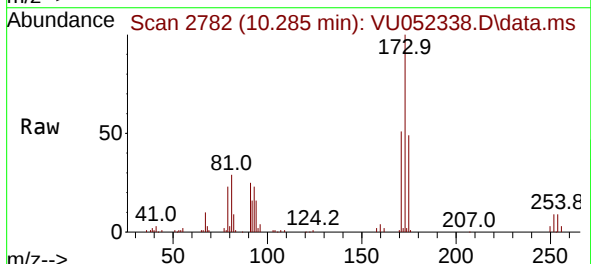
Instrument : MSVOA\_U  
 ClientSampleId : EXZ94MS

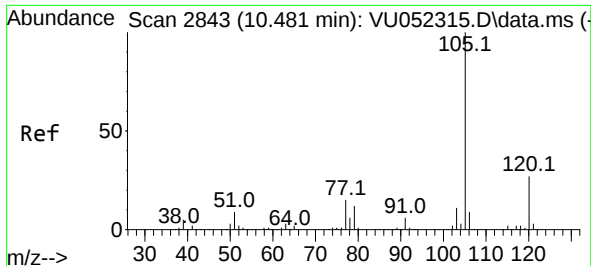
Tgt Ion: 83 Resp: 107373  
 Ion Ratio Lower Upper  
 83 100  
 85 67.3 45.7 84.9  
 131 8.9 7.6 11.4



#59  
 Bromoform  
 Concen: 4.686 ug/L  
 RT: 10.285 min Scan# 2782  
 Delta R.T. -0.003 min  
 Lab File: VU052338.D  
 Acq: 10 Dec 2022 05:57

Tgt Ion:173 Resp: 52619  
 Ion Ratio Lower Upper  
 173 100  
 175 50.3 37.2 55.8  
 254 9.4 7.0 10.6

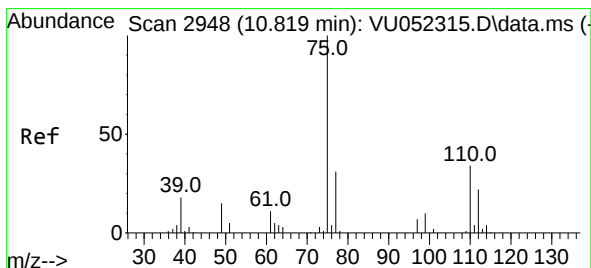
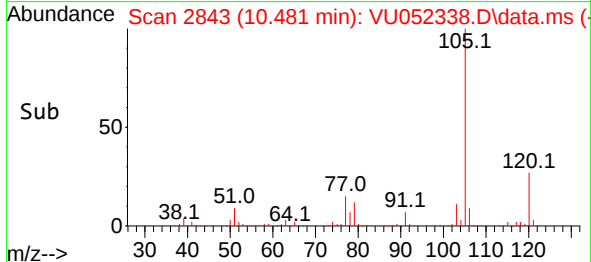
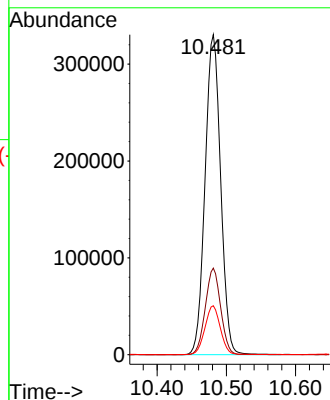
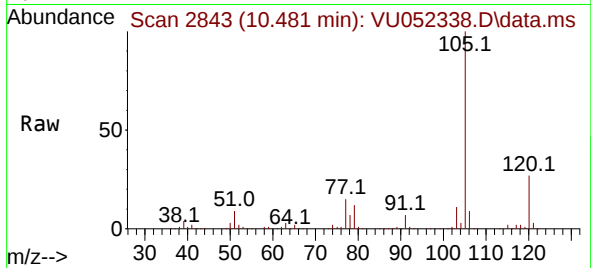




#60  
Isopropylbenzene  
Concen: 6.007 ug/L  
RT: 10.481 min Scan# 2843  
Delta R.T. 0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

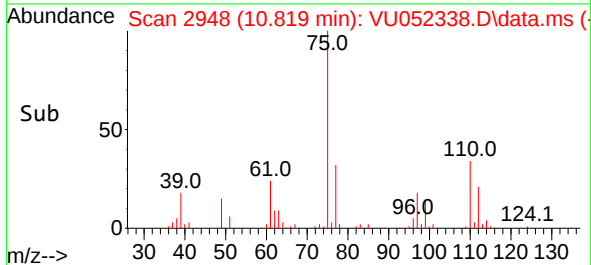
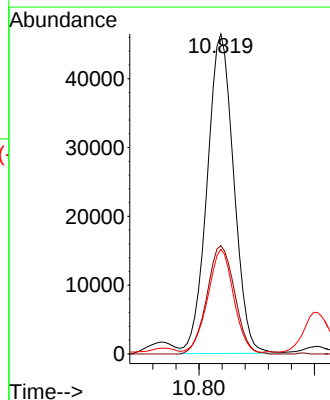
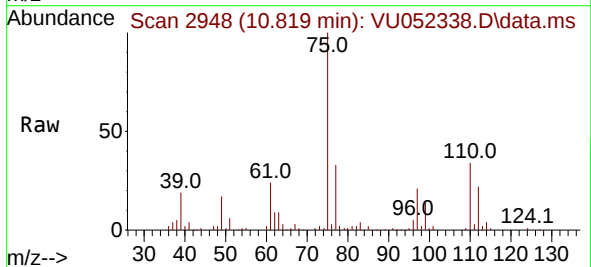
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

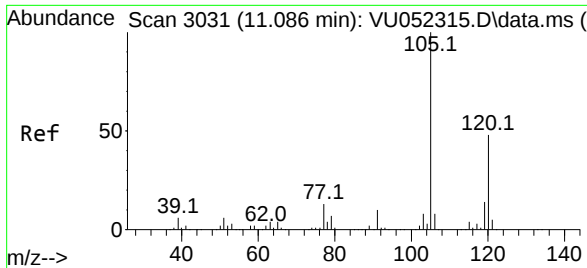
Tgt Ion:105 Resp: 514415  
Ion Ratio Lower Upper  
105 100  
120 26.6 21.0 31.6  
77 15.1 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 4.768 ug/L  
RT: 10.819 min Scan# 2948  
Delta R.T. -0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion: 75 Resp: 74385  
Ion Ratio Lower Upper  
75 100  
110 35.2 28.3 42.5  
77 31.0 26.2 39.2

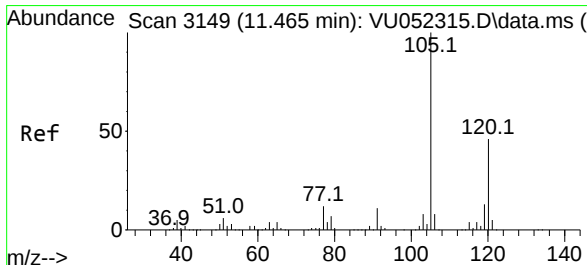
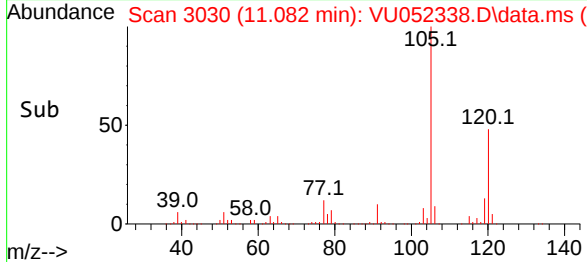
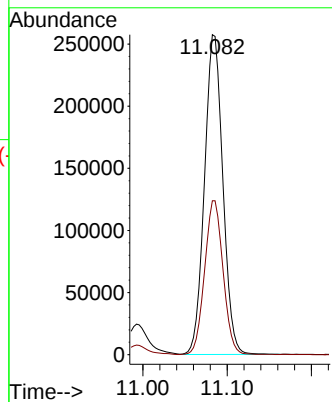
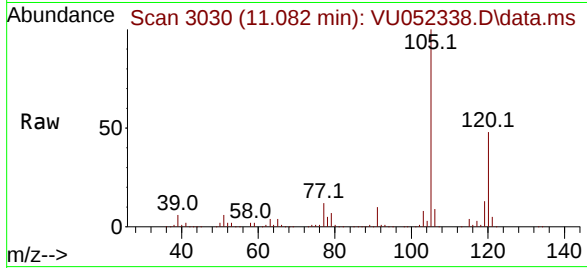




#62  
 1,3,5-Trimethylbenzene  
 Concen: 5.713 ug/L  
 RT: 11.082 min Scan# 3030  
 Delta R.T. -0.003 min  
 Lab File: VU052338.D  
 Acq: 10 Dec 2022 05:57

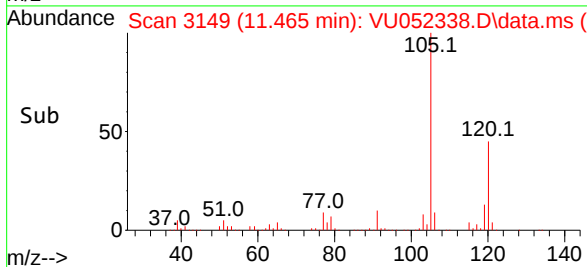
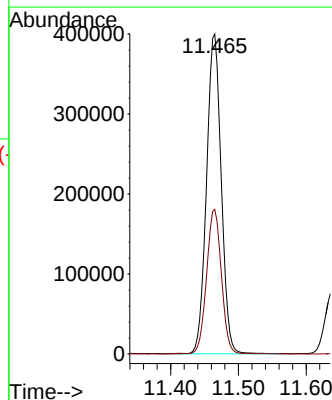
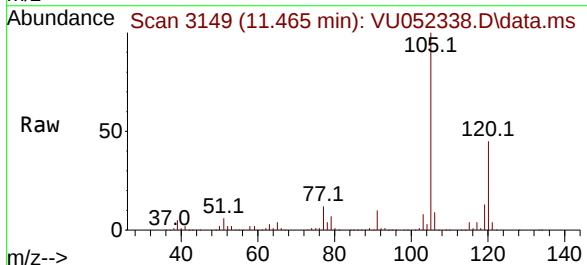
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ94MS

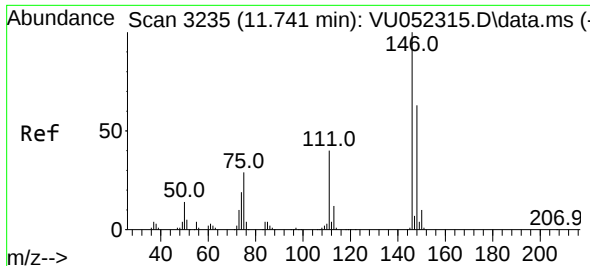
Tgt Ion:105 Resp: 391091  
 Ion Ratio Lower Upper  
 105 100  
 120 48.1 38.7 58.1



#63  
 1,2,4-Trimethylbenzene  
 Concen: 8.864 ug/L  
 RT: 11.465 min Scan# 3149  
 Delta R.T. 0.000 min  
 Lab File: VU052338.D  
 Acq: 10 Dec 2022 05:57

Tgt Ion:105 Resp: 602273  
 Ion Ratio Lower Upper  
 105 100  
 120 45.2 36.6 55.0

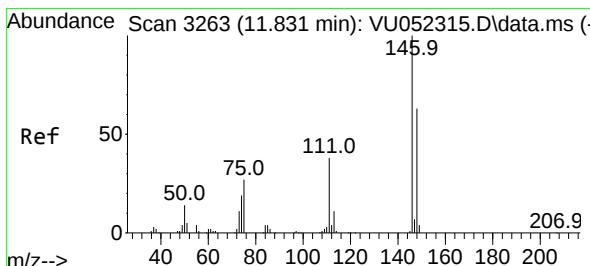
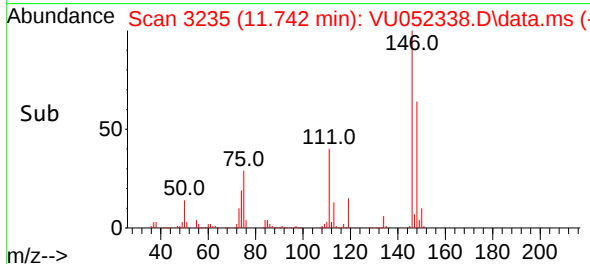
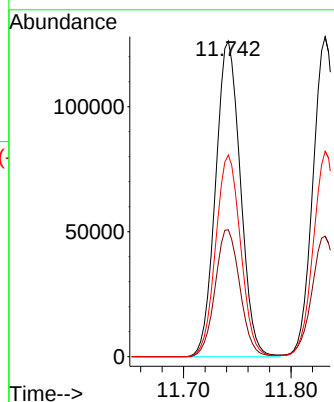
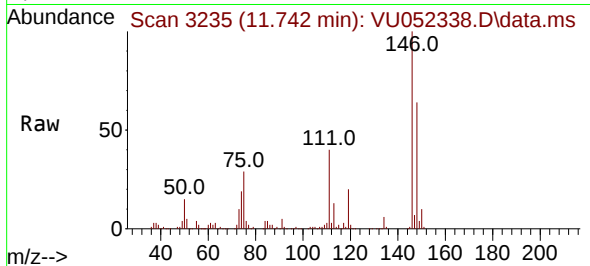




#64  
1,3-Dichlorobenzene  
Concen: 4.631 ug/L  
RT: 11.742 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

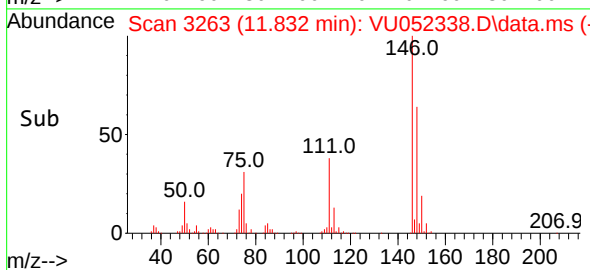
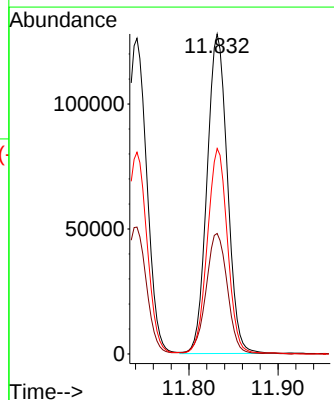
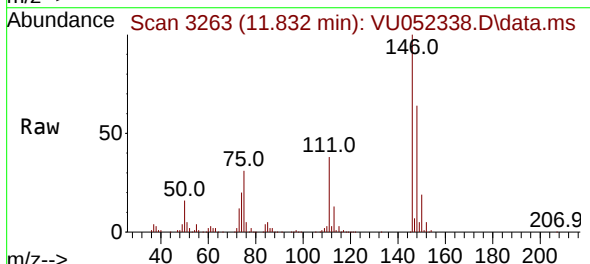
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

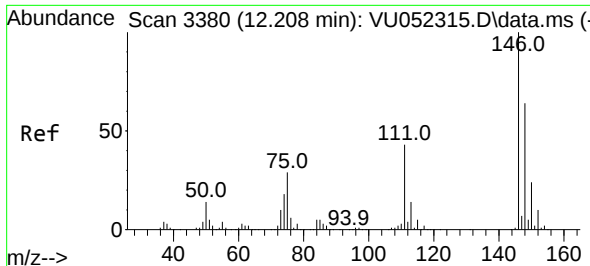
Tgt Ion:146 Resp: 202504  
Ion Ratio Lower Upper  
146 100  
111 40.2 28.6 53.2  
148 63.9 45.4 84.2



#65  
1,4-Dichlorobenzene  
Concen: 4.650 ug/L  
RT: 11.832 min Scan# 3263  
Delta R.T. 0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion:146 Resp: 202785  
Ion Ratio Lower Upper  
146 100  
111 37.6 26.9 50.1  
148 64.2 45.1 83.7

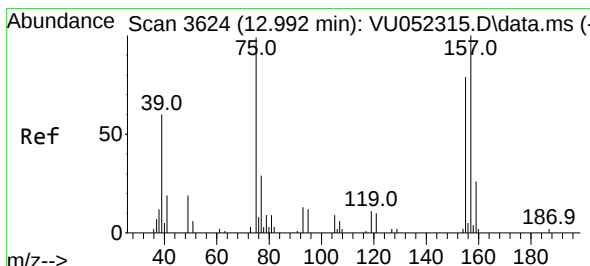
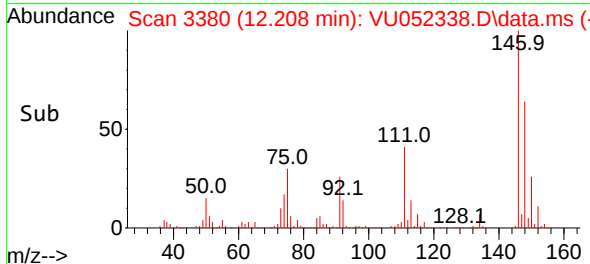
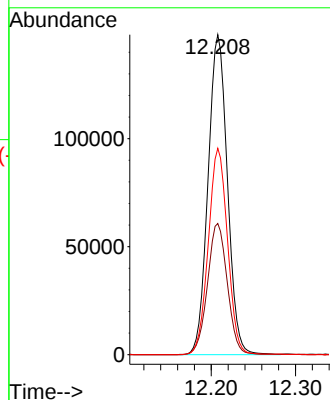
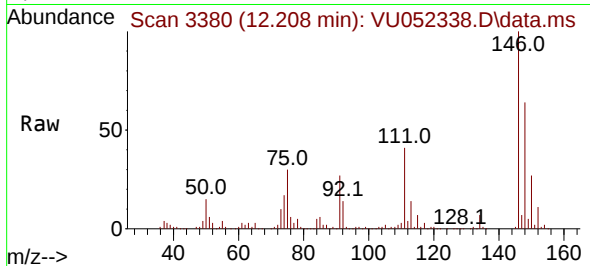




#67  
1,2-Dichlorobenzene  
Concen: 5.620 ug/L  
RT: 12.208 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

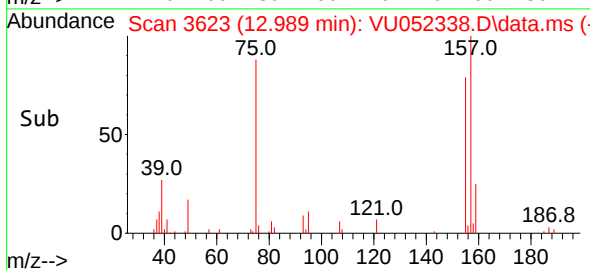
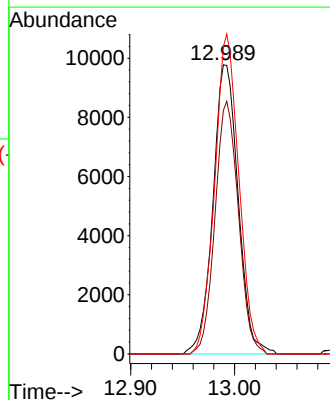
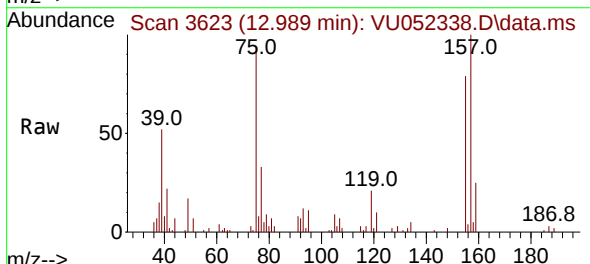
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

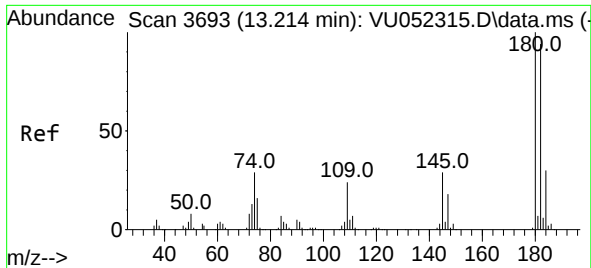
Tgt Ion:146 Resp: 236631  
Ion Ratio Lower Upper  
146 100  
111 41.0 32.7 49.1  
148 64.5 50.6 75.8



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.835 ug/L  
RT: 12.989 min Scan# 3623  
Delta R.T. -0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion: 75 Resp: 16510  
Ion Ratio Lower Upper  
75 100  
155 84.3 65.4 98.2  
157 106.2 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 4.592 ug/L

RT: 13.214 min Scan# 3693

Delta R.T. 0.000 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

Instrument :

MSVOA\_U

ClientSampleId :

EXZ94MS

Tgt Ion:180 Resp: 142368

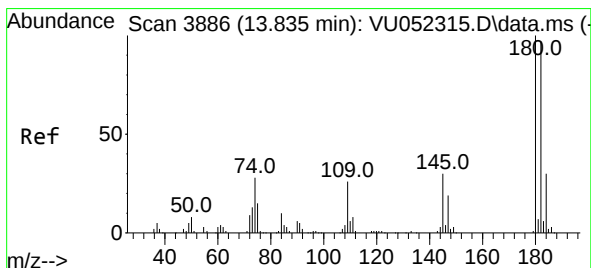
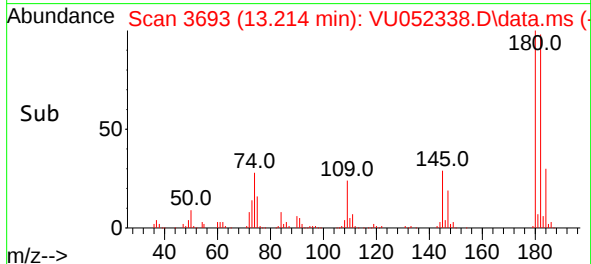
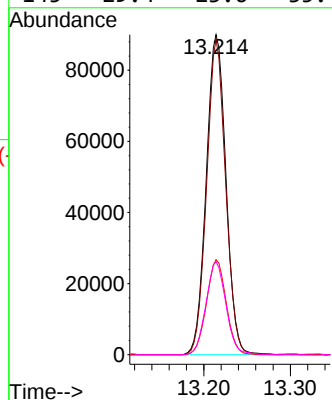
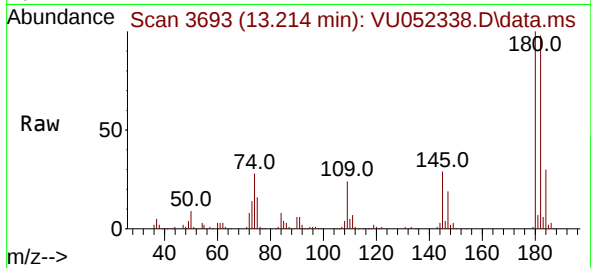
Ion Ratio Lower Upper

180 100

182 94.9 75.7 113.5

184 29.7 24.3 36.5

145 29.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 5.031 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.003 min

Lab File: VU052338.D

Acq: 10 Dec 2022 05:57

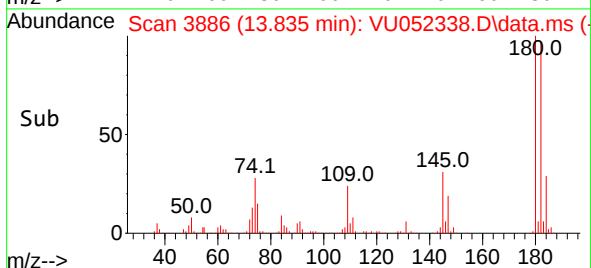
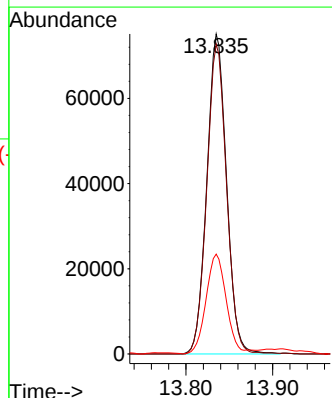
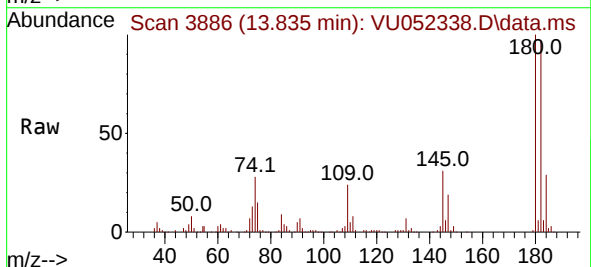
Tgt Ion:180 Resp: 118775

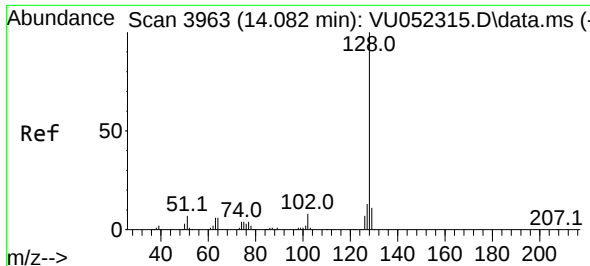
Ion Ratio Lower Upper

180 100

182 96.9 76.3 114.5

145 31.9 24.6 36.8

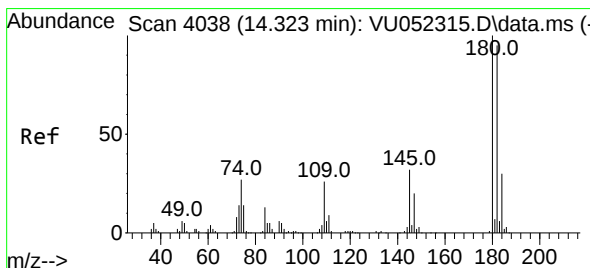
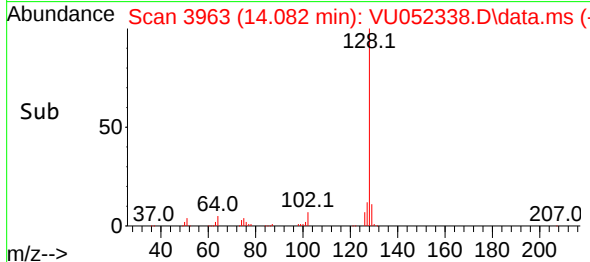
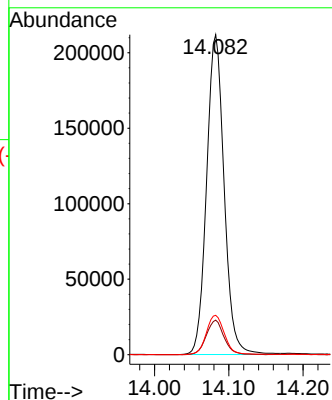
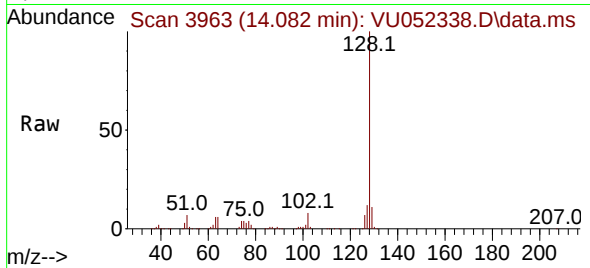




#71  
Naphthalene  
Concen: 7.820 ug/L  
RT: 14.082 min Scan# 3963  
Delta R.T. -0.000 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ94MS

Tgt Ion:128 Resp: 346651  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.3 12.5  
127 12.8 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 4.849 ug/L  
RT: 14.323 min Scan# 4038  
Delta R.T. -0.003 min  
Lab File: VU052338.D  
Acq: 10 Dec 2022 05:57

Tgt Ion:180 Resp: 112632  
Ion Ratio Lower Upper  
180 100  
182 96.5 75.7 113.5  
145 32.2 24.5 36.7

