

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040224\  
 Data File : VU058347.D  
 Acq On : 02 Apr 2024 19:18  
 Operator : MD/SY  
 Sample : P1912-12MSD  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DCOE1MSD

Quant Time: Apr 03 02:06:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 03 01:56:26 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 76275    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 74013    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 36589    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 21535    | 3.341    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 66.800%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 21373    | 4.062    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 81.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 9570     | 3.576    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 71.600%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 58362    | 50.966   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.940% |
| 24) Chloroform-d              | 5.055  | 84    | 50134    | 4.350    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 24220    | 4.496    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.000%  |
| 32) Benzene-d6                | 5.717  | 84    | 97817    | 4.069    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 81.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 30702    | 4.333    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 86.600%  |
| 41) Toluene-d8                | 7.891  | 98    | 85988    | 4.038    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 80.800%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 9300     | 4.097    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.000%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 44613    | 48.526   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 97.060%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 21418    | 4.640    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 92.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 28177    | 4.135    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 82.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 10527    | 3.351    | ug/L   | 97       |
| 3) Chloromethane              | 1.515  | 50    | 14161    | 3.536    | ug/L   | 93       |
| 5) Vinyl chloride             | 1.599  | 62    | 16450    | 3.762    | ug/L   | 98       |
| 6) Bromomethane               | 1.853  | 94    | 6517     | 2.779    | ug/L   | 98       |
| 8) Chloroethane               | 1.927  | 64    | 12983    | 4.502    | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 28972    | 4.077    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 18780    | 4.117    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 15093    | 3.947    | ug/L   | 95       |
| 13) Acetone                   | 2.637  | 43    | 32323    | 43.614   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.788  | 76    | 27562    | 3.226    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.949  | 43    | 7291     | 4.739    | ug/L   | 100      |
| 16) Methylene chloride        | 3.036  | 84    | 20109    | 3.711    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.351  | 73    | 44947    | 4.380    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.348  | 96    | 15820    | 3.959    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 40546    | 4.516    | ug/L   | 99       |
| 21) 2-Butanone                | 4.705  | 43    | 49507    | 43.969   | ug/L   | 93       |
| 22) cis-1,2-Dichloroethene    | 4.656  | 96    | 22871    | 4.631    | ug/L   | 100      |
| 23) Bromochloromethane        | 4.968  | 128   | 8439     | 4.580    | ug/L   | 96       |
| 25) Chloroform                | 5.078  | 83    | 42405    | 4.503    | ug/L   | 96       |

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 ALS Vial : 25 Sample Multiplier: 1

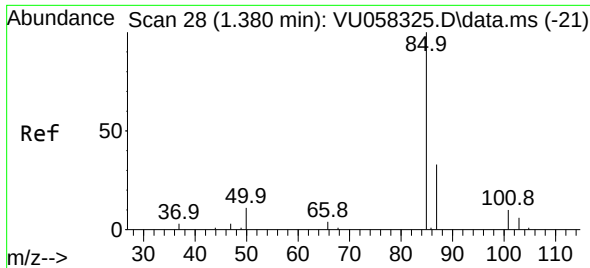
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DCOE1MSD

Quant Time: Apr 03 02:06:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR032124WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 03 01:56:26 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 23472    | 4.391  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 32227    | 4.211  | ug/L   | 96       |
| 30) Cyclohexane               | 5.377  | 56   | 24335    | 3.641  | ug/L   | 96       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 26325    | 4.041  | ug/L   | 100      |
| 33) Benzene                   | 5.766  | 78   | 82087    | 4.223  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 21458    | 4.237  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.756  | 83   | 25514    | 3.612  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 24604    | 4.531  | ug/L # | 98       |
| 38) Bromodichloromethane      | 7.100  | 83   | 28726    | 4.615  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 30437    | 4.419  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 127038   | 46.266 | ug/L   | 99       |
| 42) Toluene                   | 7.962  | 91   | 86438    | 4.208  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 24274    | 4.479  | ug/L   | 95       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 15574    | 4.553  | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.547  | 164  | 21092    | 6.218  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.679  | 43   | 92353    | 46.185 | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.801  | 129  | 16995    | 4.541  | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 13569    | 4.608  | ug/L   | 96       |
| 51) Chlorobenzene             | 9.441  | 112  | 58508    | 4.421  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 97475    | 4.250  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.688  | 106  | 35455    | 4.339  | ug/L   | 94       |
| 54) o-Xylene                  | 10.094 | 106  | 35472    | 4.300  | ug/L   | 99       |
| 55) Styrene                   | 10.110 | 104  | 58585    | 4.498  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 19472    | 4.830  | ug/L   | 99       |
| 59) Bromoform                 | 10.283 | 173  | 8694     | 4.524  | ug/L # | 93       |
| 60) Isopropylbenzene          | 10.476 | 105  | 92847    | 4.224  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 13524    | 4.414  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 75815    | 4.110  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 78049    | 4.260  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 45005    | 4.396  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 44777    | 4.526  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 41892    | 4.425  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 2409     | 5.214  | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 32643    | 4.560  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 25972    | 4.864  | ug/L   | 97       |
| 71) Naphthalene               | 14.084 | 128  | 35624    | 4.899  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 21874    | 5.003  | ug/L   | 98       |

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

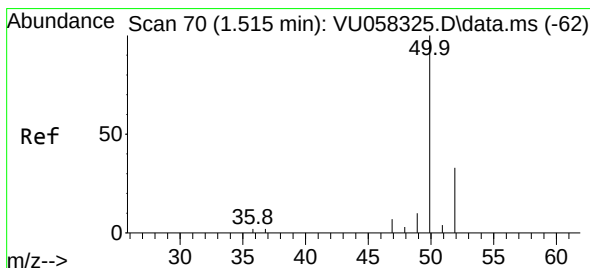
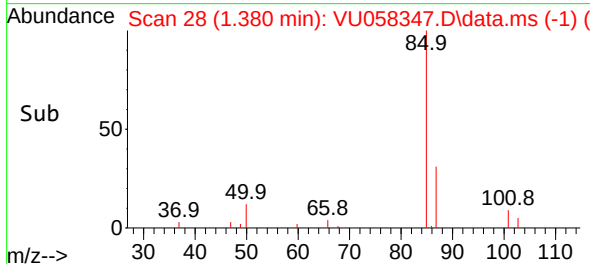
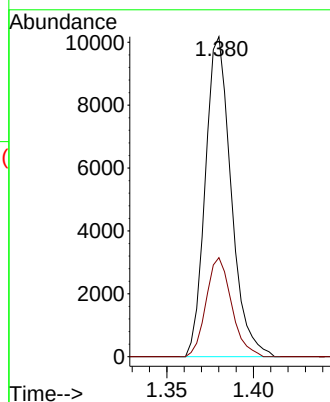
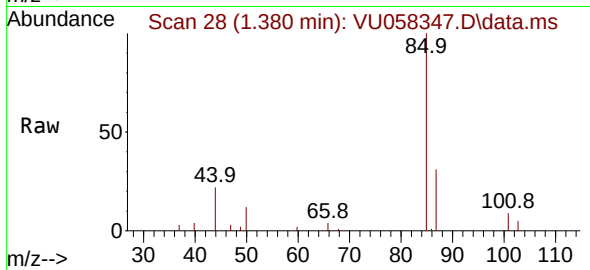




#2  
 Dichlorodifluoromethane  
 Concen: 3.351 ug/L  
 RT: 1.380 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU058347.D  
 Acq: 02 Apr 2024 19:18

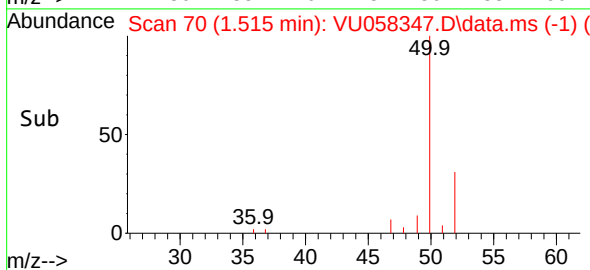
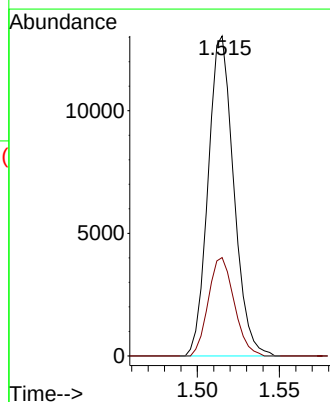
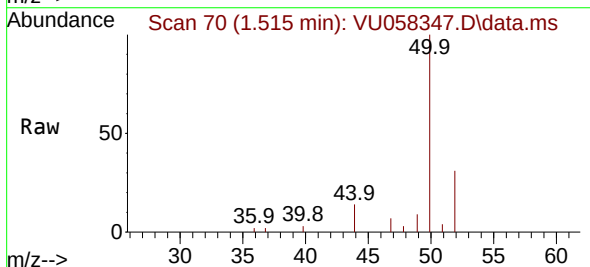
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DCOE1MSD

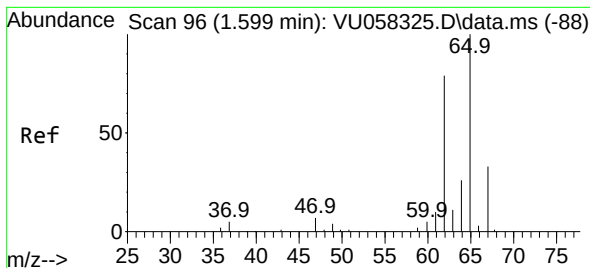
Tgt Ion: 85 Resp: 10527  
 Ion Ratio Lower Upper  
 85 100  
 87 30.6 25.8 38.8



#3  
 Chloromethane  
 Concen: 3.536 ug/L  
 RT: 1.515 min Scan# 70  
 Delta R.T. -0.000 min  
 Lab File: VU058347.D  
 Acq: 02 Apr 2024 19:18

Tgt Ion: 50 Resp: 14161  
 Ion Ratio Lower Upper  
 50 100  
 52 30.7 24.2 45.0





#5

Vinyl chloride

Concen: 3.762 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

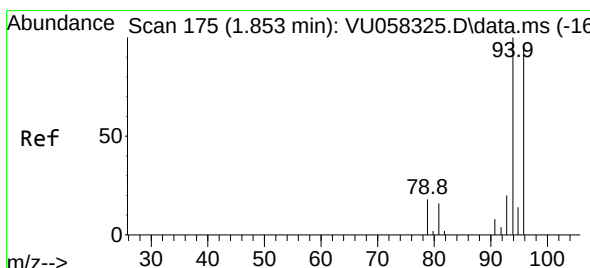
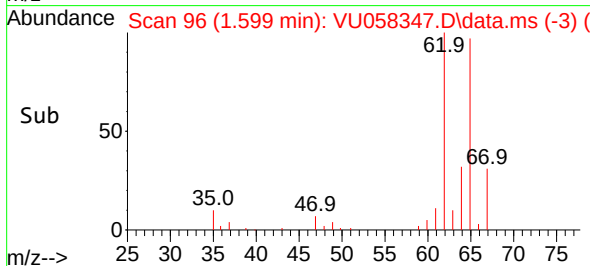
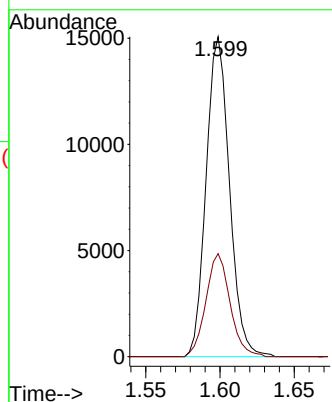
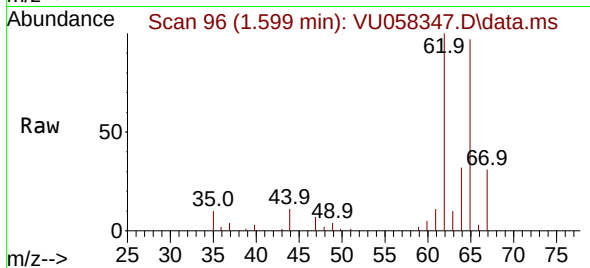
DCOE1MSD

Tgt Ion: 62 Resp: 16450

Ion Ratio Lower Upper

62 100

64 32.2 23.4 43.6



#6

Bromomethane

Concen: 2.779 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.000 min

Lab File: VU058347.D

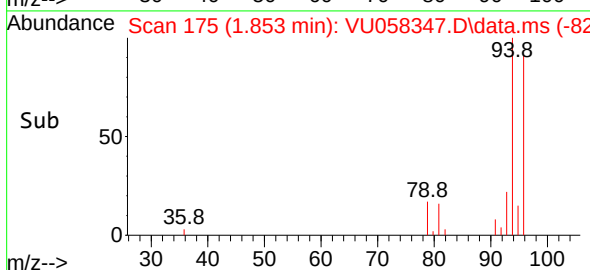
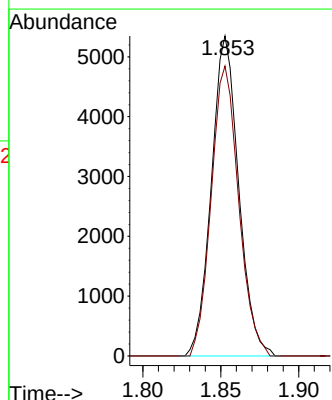
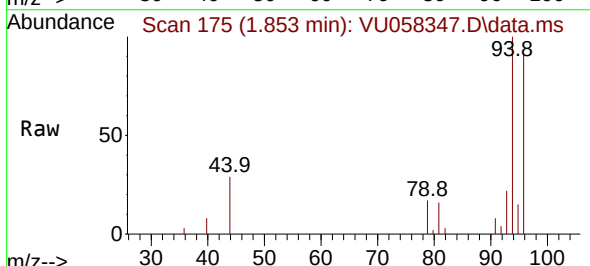
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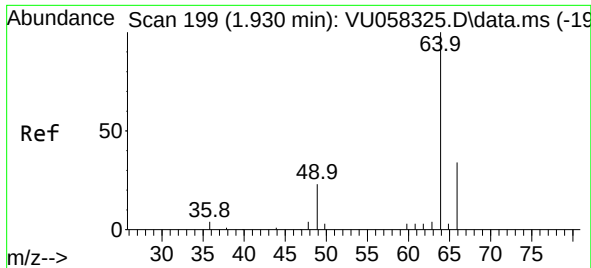
Tgt Ion: 94 Resp: 6517

Ion Ratio Lower Upper

94 100

96 90.6 64.8 120.4

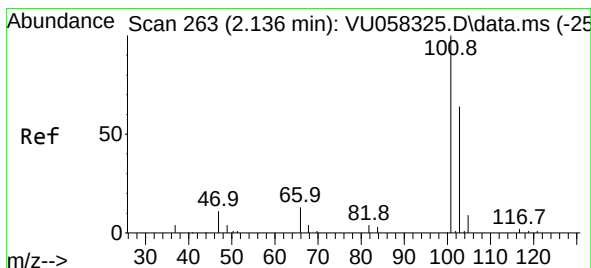
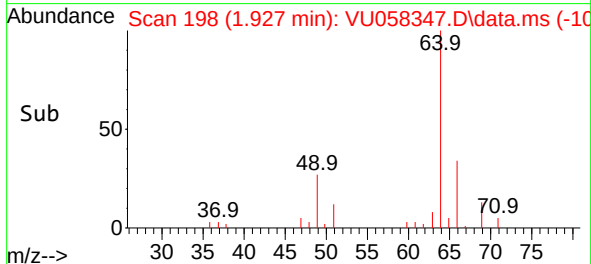
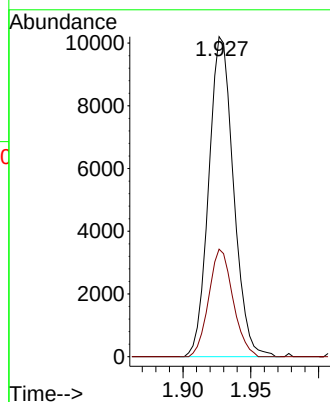
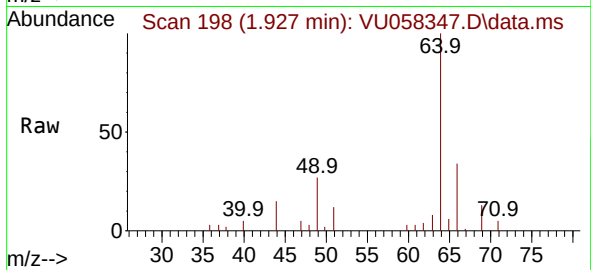




#8  
Chloroethane  
Concen: 4.502 ug/L  
RT: 1.927 min Scan# 199  
Delta R.T. -0.003 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

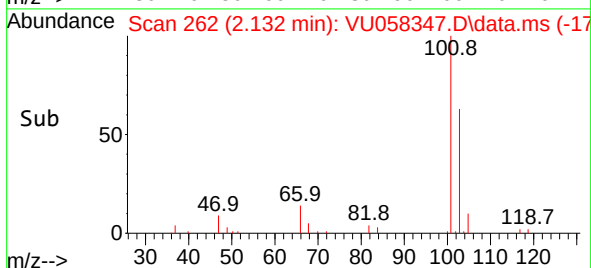
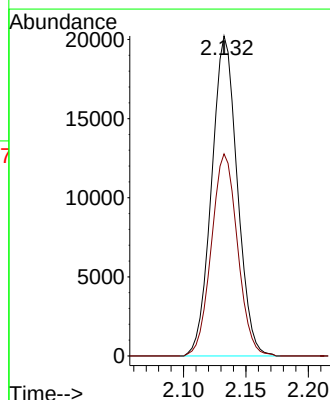
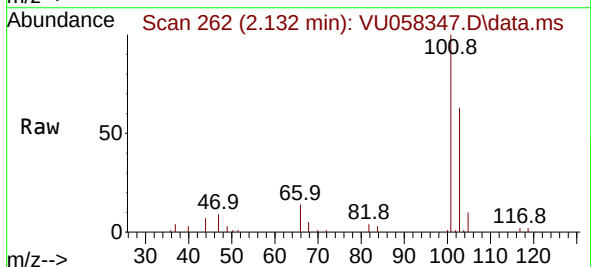
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

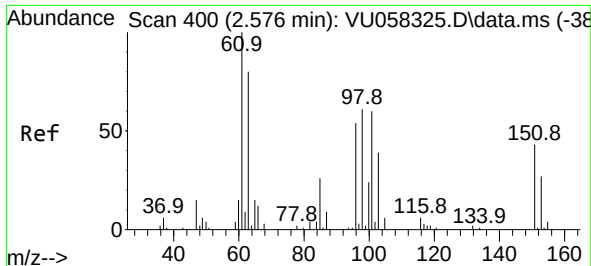
Tgt Ion: 64 Resp: 12983  
Ion Ratio Lower Upper  
64 100  
66 33.6 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 4.077 ug/L  
RT: 2.132 min Scan# 262  
Delta R.T. -0.003 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

Tgt Ion:101 Resp: 28972  
Ion Ratio Lower Upper  
101 100  
103 64.4 52.3 78.5

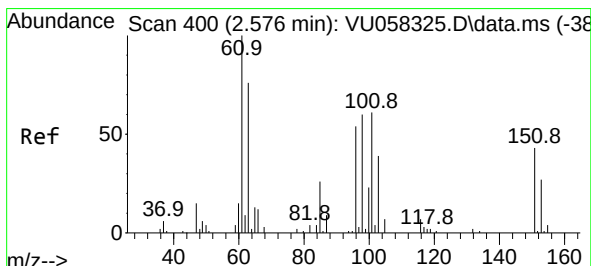
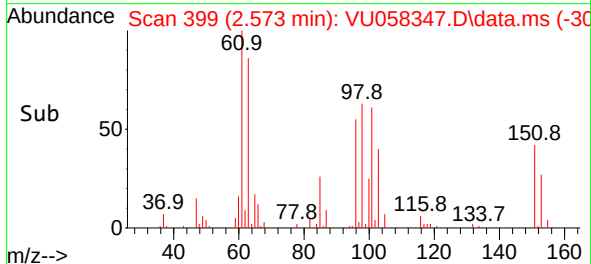
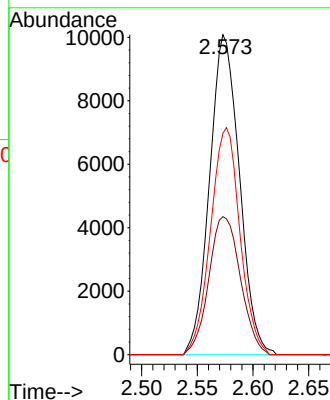
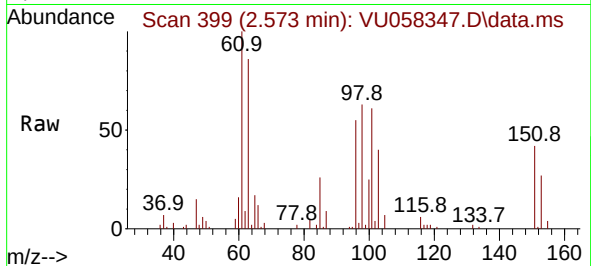




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 4.117 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.003 min  
 Lab File: VU058347.D  
 Acq: 02 Apr 2024 19:18

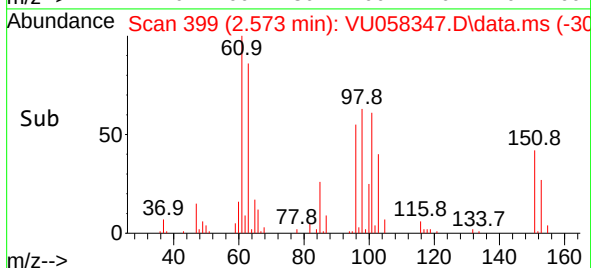
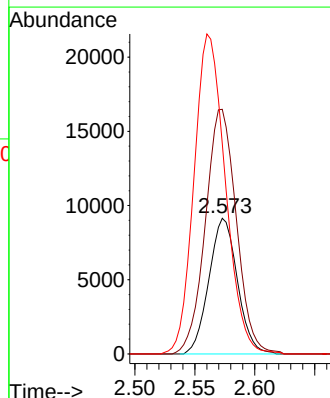
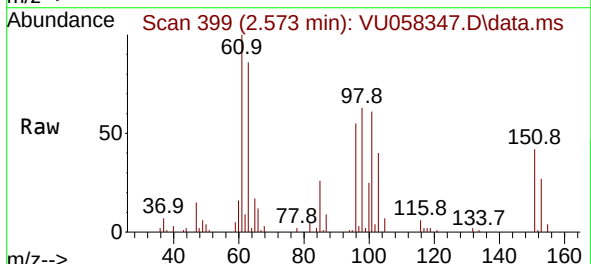
Instrument :  
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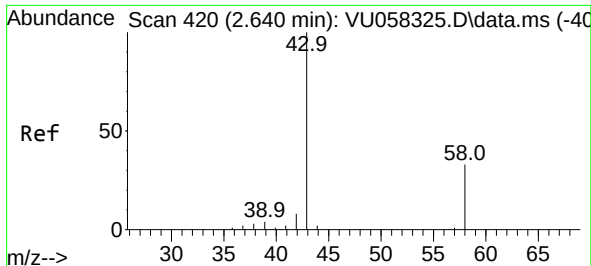
Tgt Ion: 101 Resp: 18780  
 Ion Ratio Lower Upper  
 101 100  
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 151 70.1 55.3 82.9



#12  
 1,1-Dichloroethene  
 Concen: 3.947 ug/L  
 RT: 2.573 min Scan# 399  
 Delta R.T. -0.003 min  
 Lab File: VU058347.D  
 Acq: 02 Apr 2024 19:18

Tgt Ion: 96 Resp: 15093  
 Ion Ratio Lower Upper  
 96 100  
 61 180.2 128.1 237.9  
 63 155.0 116.8 217.0





#13

Acetone

Concen: 43.614 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

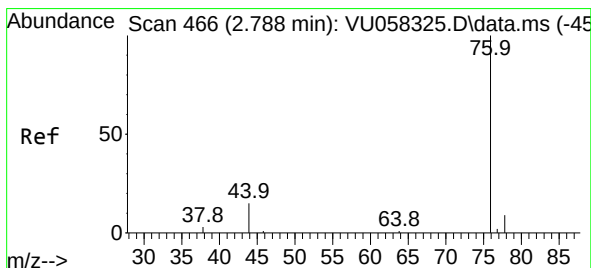
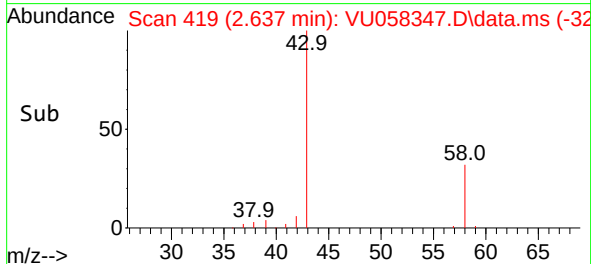
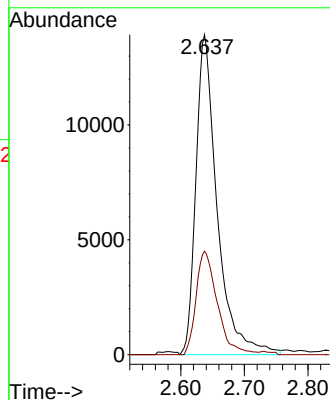
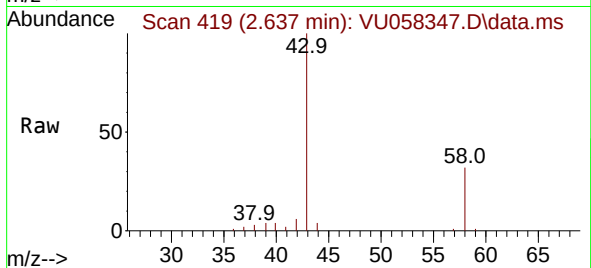
DCOE1MSD

Tgt Ion: 43 Resp: 32323

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.6



#14

Carbon disulfide

Concen: 3.226 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU058347.D

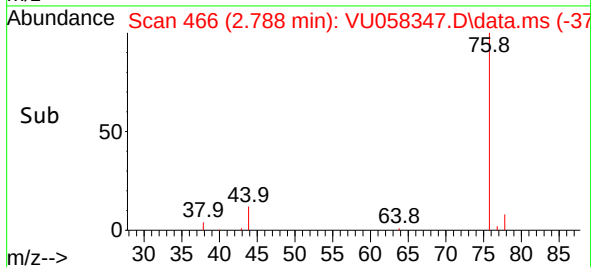
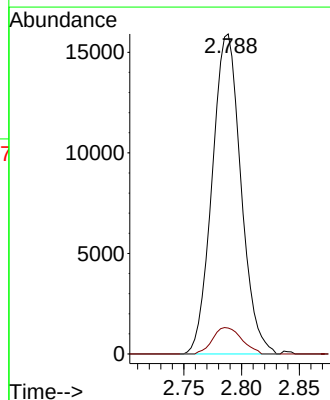
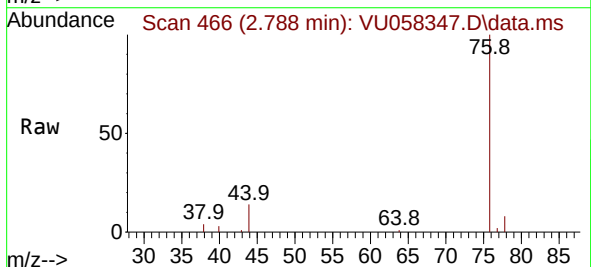
Acq: 02 Apr 2024 19:18

Tgt Ion: 76 Resp: 27562

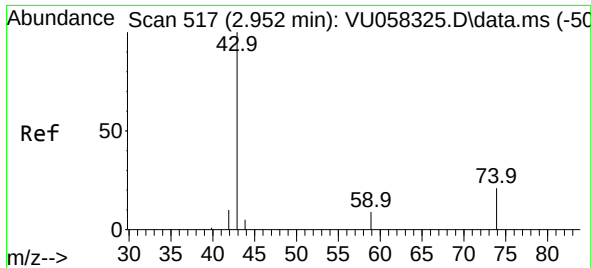
Ion Ratio Lower Upper

76 100

78 8.1 7.2 10.8



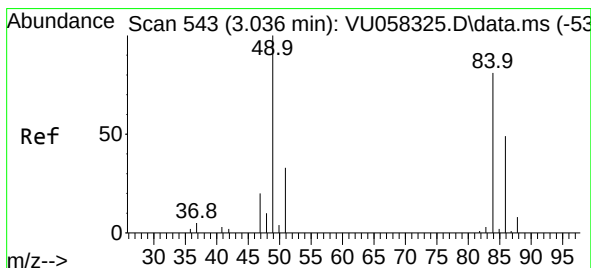
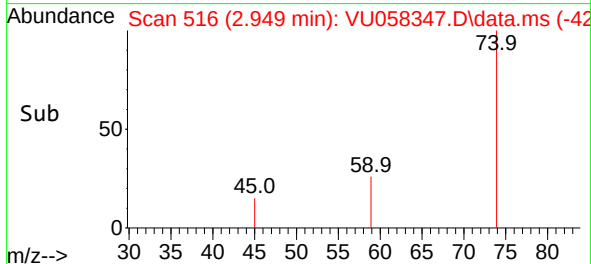
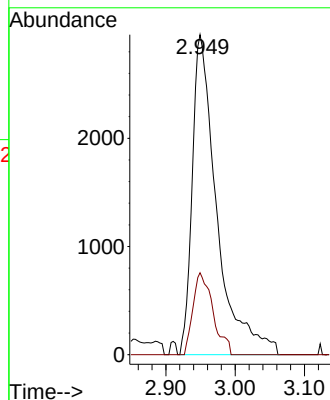
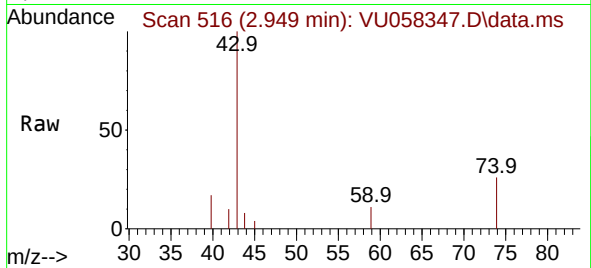




#15  
Methyl Acetate  
Concen: 4.739 ug/L  
RT: 2.949 min Scan# 517  
Delta R.T. -0.003 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

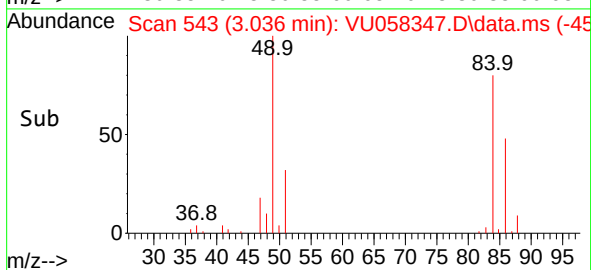
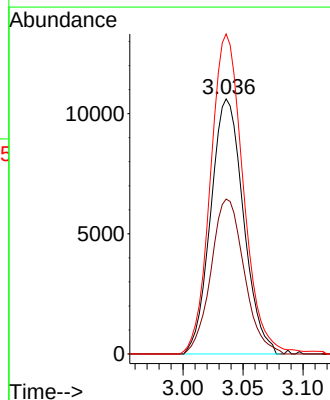
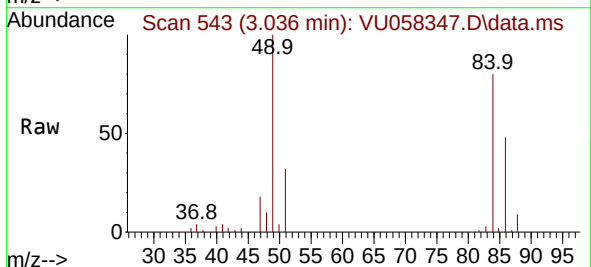
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

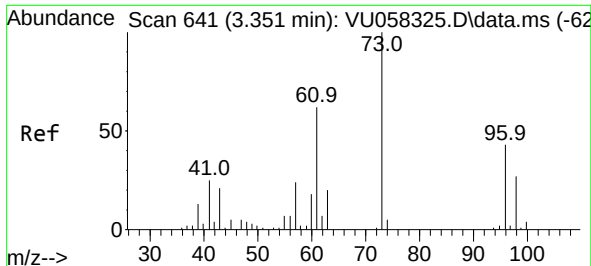
Tgt Ion: 43 Resp: 7291  
Ion Ratio Lower Upper  
43 100  
74 20.8 16.8 25.2



#16  
Methylene chloride  
Concen: 3.711 ug/L  
RT: 3.036 min Scan# 543  
Delta R.T. 0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

Tgt Ion: 84 Resp: 20109  
Ion Ratio Lower Upper  
84 100  
86 60.7 45.6 84.6  
49 125.4 88.3 163.9





#17

Methyl tert-butyl Ether

Concen: 4.380 ug/L

RT: 3.351 min Scan# 641

Delta R.T. 0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

DCOE1MSD

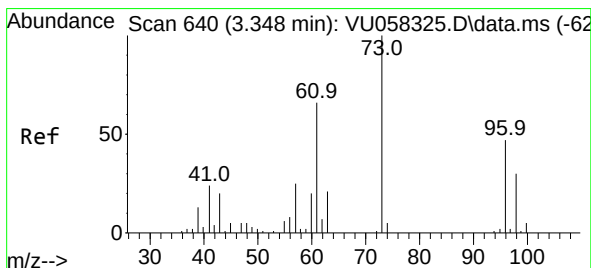
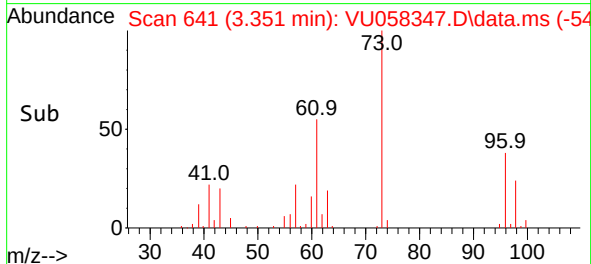
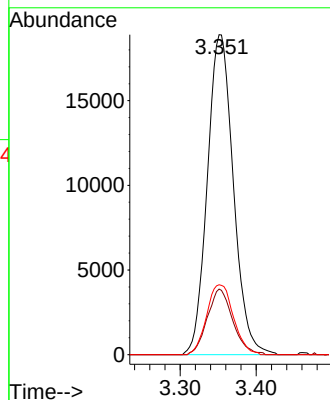
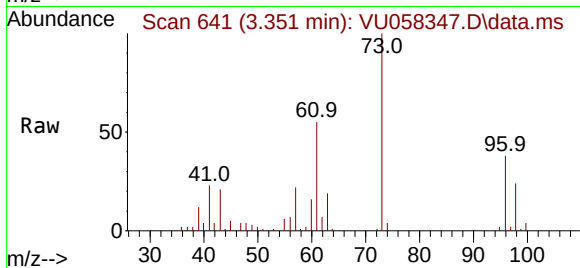
Tgt Ion: 73 Resp: 44947

Ion Ratio Lower Upper

73 100

43 20.0 15.5 23.3

57 22.5 18.0 27.0



#18

trans-1,2-Dichloroethene

Concen: 3.959 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

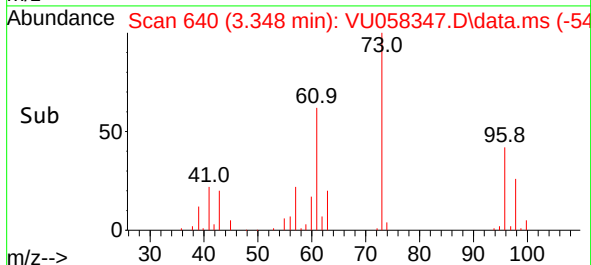
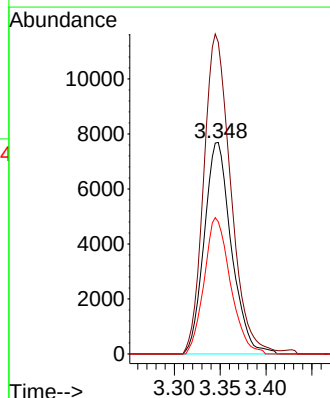
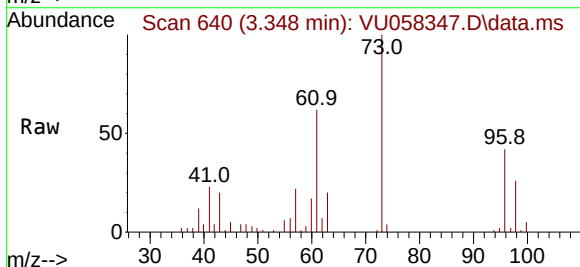
Tgt Ion: 96 Resp: 15820

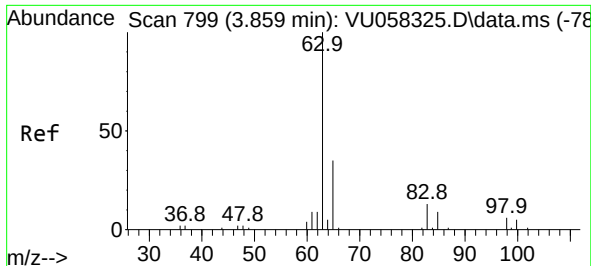
Ion Ratio Lower Upper

96 100

61 147.4 102.5 190.3

98 62.5 44.0 81.8





#19

1,1-Dichloroethane

Concen: 4.516 ug/L

RT: 3.859 min Scan# 799

Delta R.T. 0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

DCOE1MSD

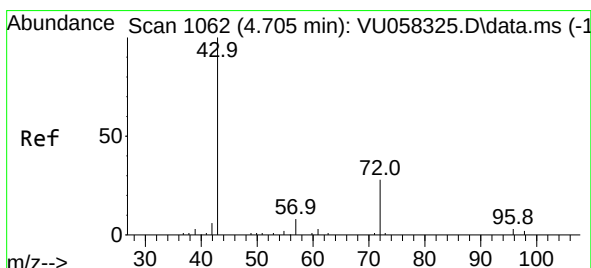
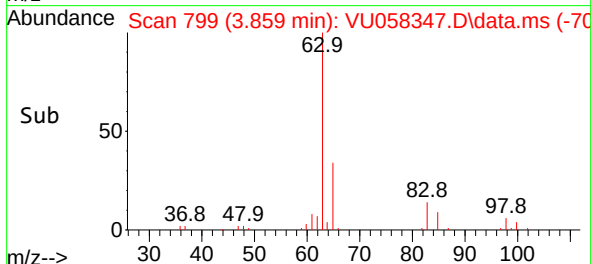
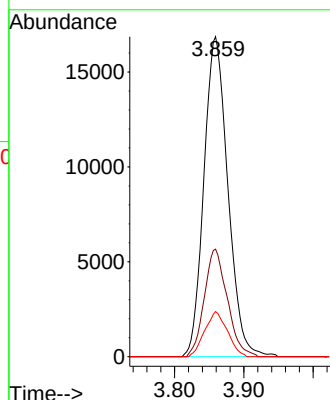
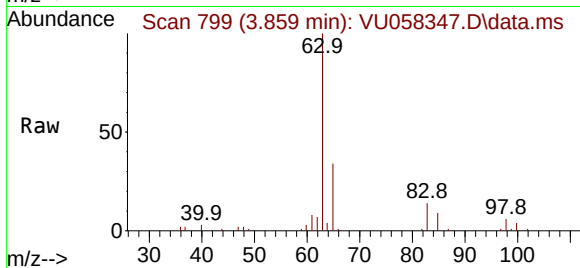
Tgt Ion: 63 Resp: 40546

Ion Ratio Lower Upper

63 100

65 32.4 22.3 41.5

83 13.6 10.0 18.6



#21

2-Butanone

Concen: 43.969 ug/L

RT: 4.705 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VU058347.D

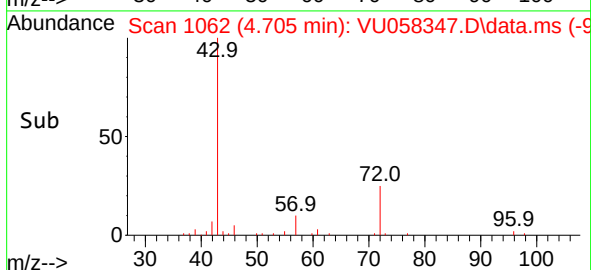
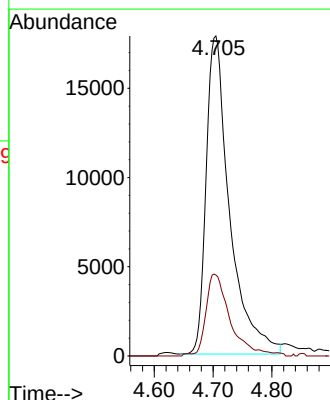
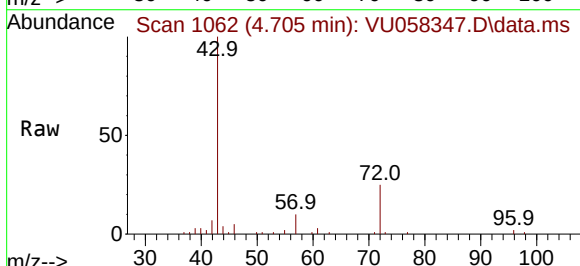
Acq: 02 Apr 2024 19:18

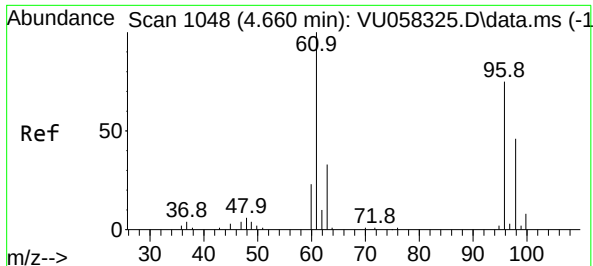
Tgt Ion: 43 Resp: 49507

Ion Ratio Lower Upper

43 100

72 24.2 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 4.631 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. -0.003 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

DCOE1MSD

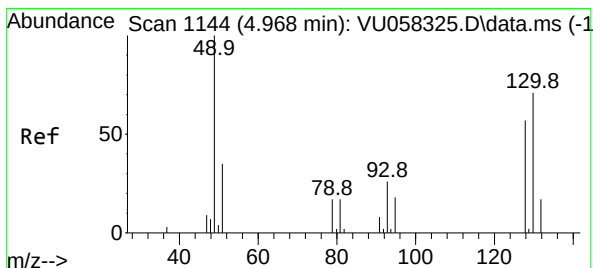
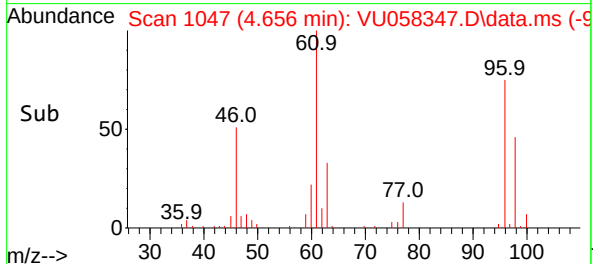
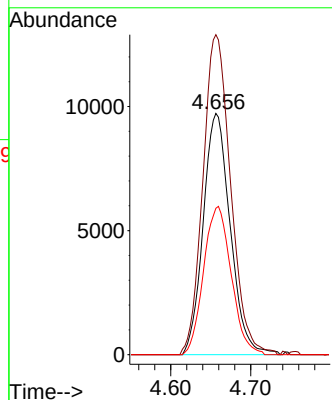
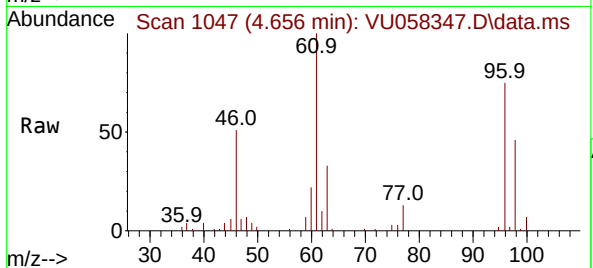
Tgt Ion: 96 Resp: 22871

Ion Ratio Lower Upper

96 100

61 132.7 92.8 172.4

98 60.7 43.2 80.2



#23

Bromochloromethane

Concen: 4.580 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Tgt Ion: 128 Resp: 8439

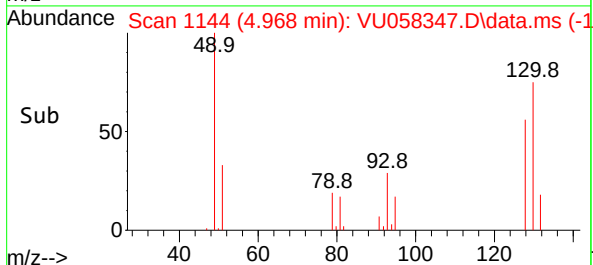
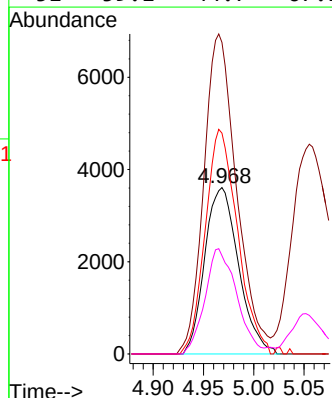
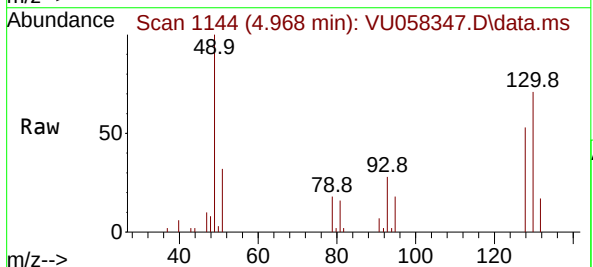
Ion Ratio Lower Upper

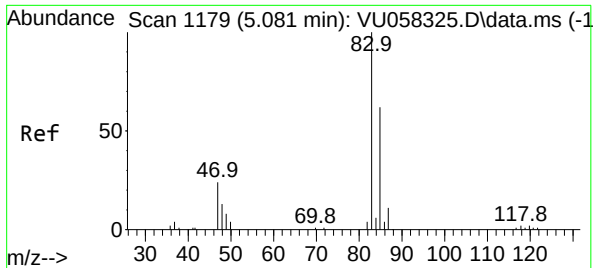
128 100

49 187.2 125.0 232.2

130 132.7 92.3 171.5

51 59.1 44.7 67.1





#25

Chloroform

Concen: 4.503 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

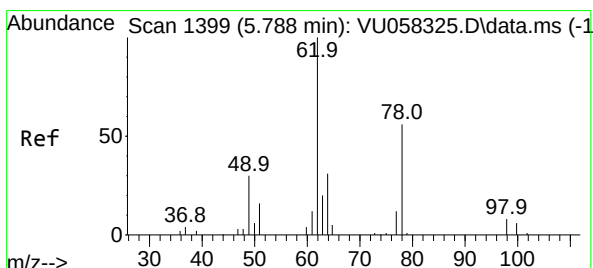
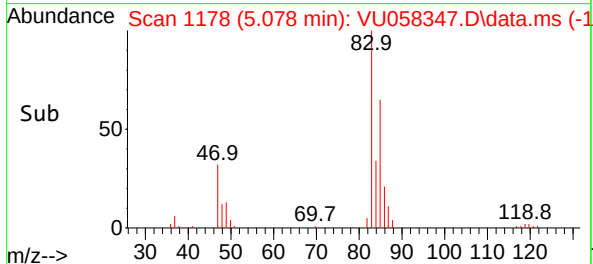
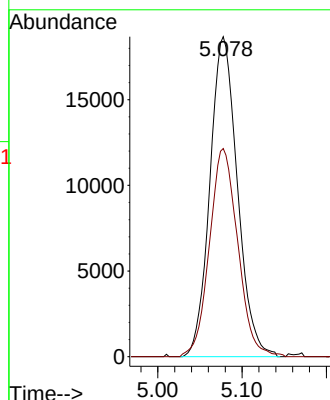
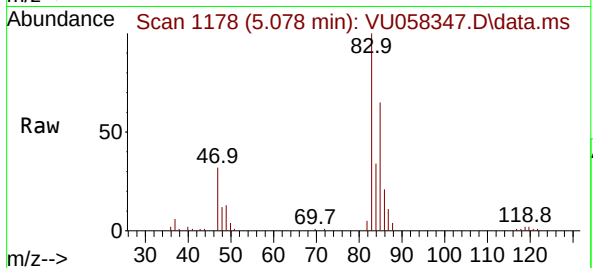
DCOE1MSD

Tgt Ion: 83 Resp: 42405

Ion Ratio Lower Upper

83 100

85 65.0 47.9 88.9



#27

1,2-Dichloroethane

Concen: 4.391 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.003 min

Lab File: VU058347.D

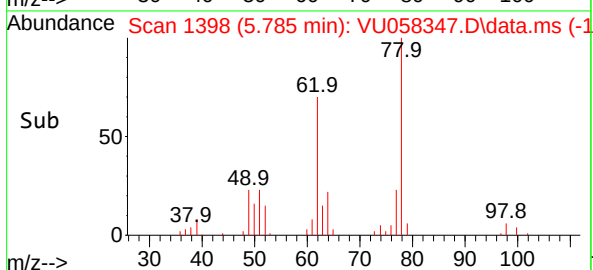
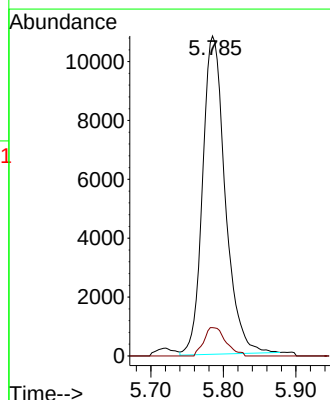
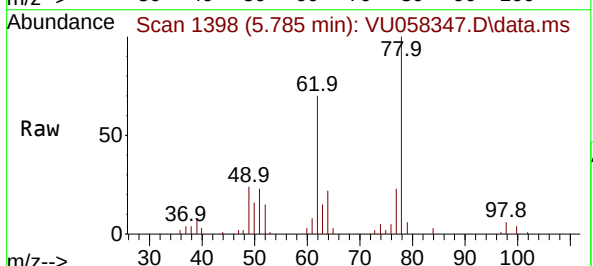
Acq: 02 Apr 2024 19:18

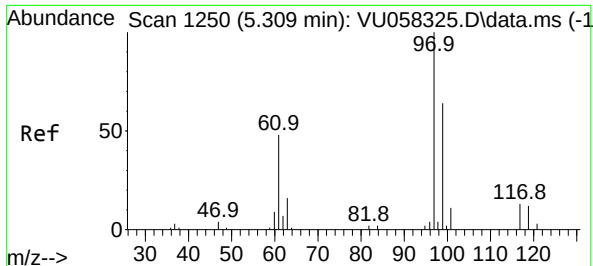
Tgt Ion: 62 Resp: 23472

Ion Ratio Lower Upper

62 100

98 8.9 6.6 10.0

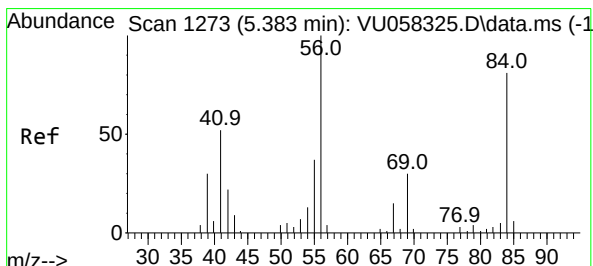
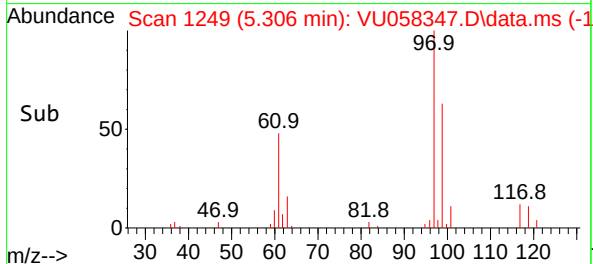
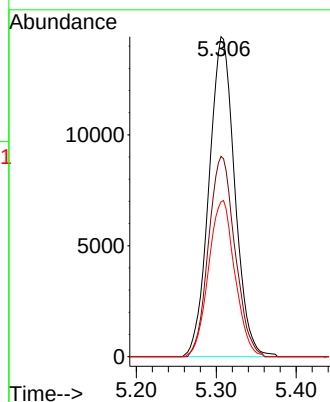
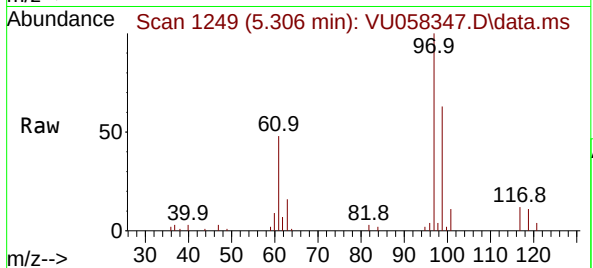




#29  
1,1,1-Trichloroethane  
Concen: 4.211 ug/L  
RT: 5.306 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

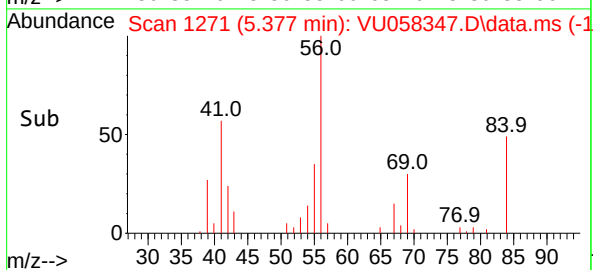
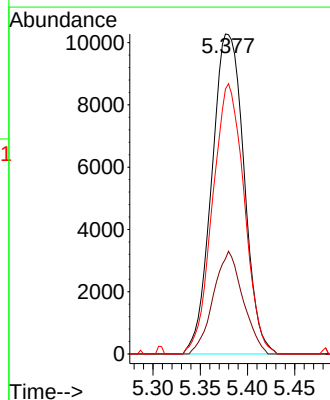
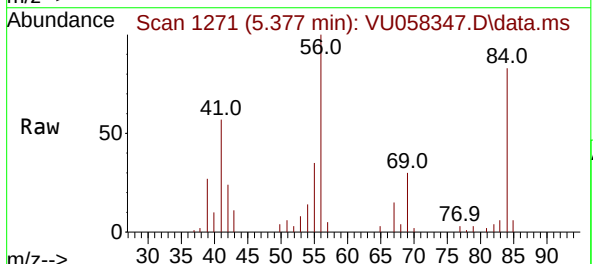
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

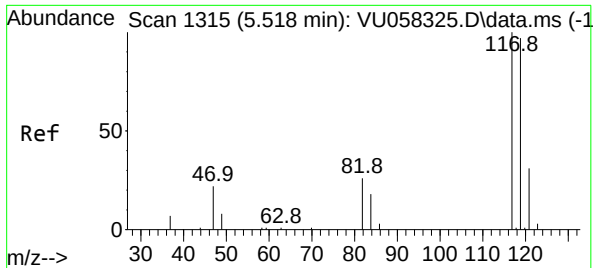
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 32227 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 64.2     | 50.5 75.7   |
| 61 49.9     | 36.3 54.5   |



#30  
Cyclohexane  
Concen: 3.641 ug/L  
RT: 5.377 min Scan# 1271  
Delta R.T. -0.006 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 24335 |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 29.5     | 24.2 36.2   |
| 84 82.8     | 69.7 104.5  |

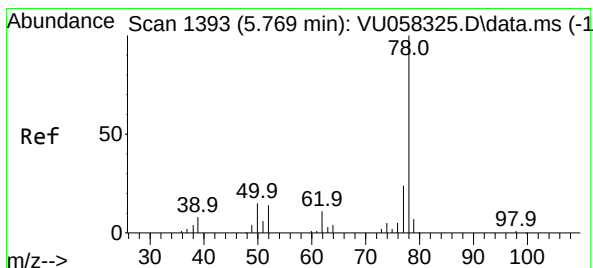
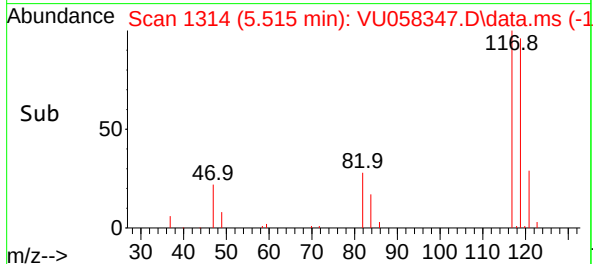
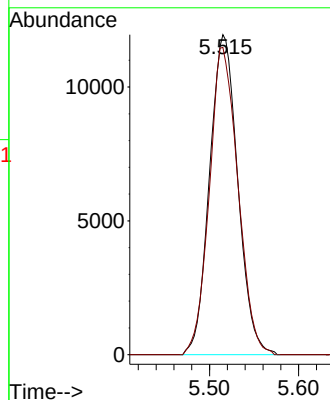
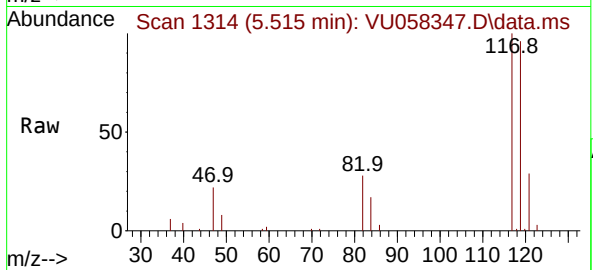




#31  
Carbon tetrachloride  
Concen: 4.041 ug/L  
RT: 5.515 min Scan# 117  
Delta R.T. -0.003 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

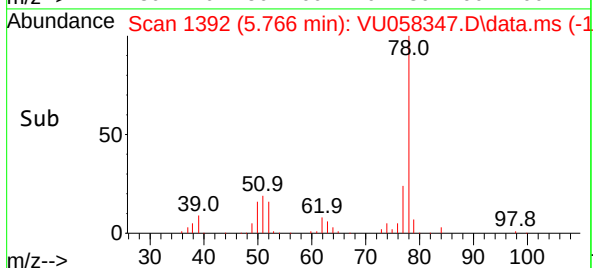
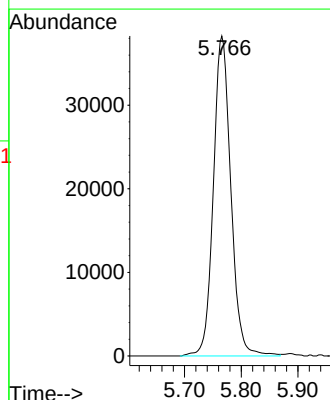
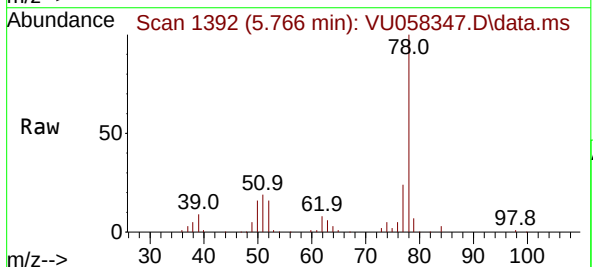
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

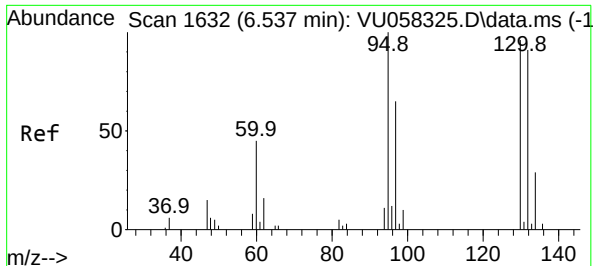
Tgt Ion:117 Resp: 26325  
Ion Ratio Lower Upper  
117 100  
119 97.2 78.1 117.1



#33  
Benzene  
Concen: 4.223 ug/L  
RT: 5.766 min Scan# 1392  
Delta R.T. -0.003 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

Tgt Ion: 78 Resp: 82087



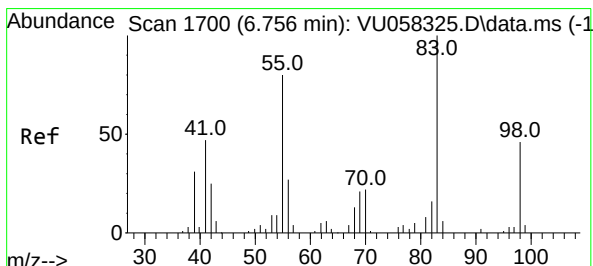
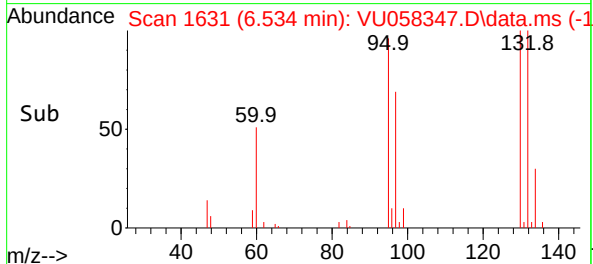
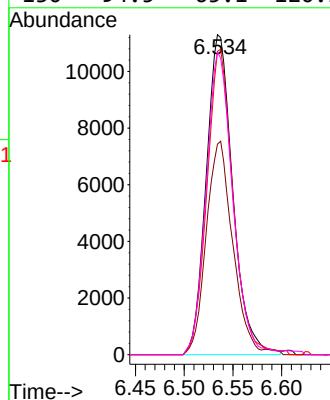
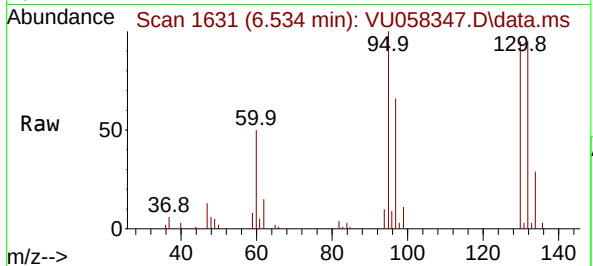


#34  
Trichloroethene  
Concen: 4.237 ug/L  
RT: 6.534 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

Tgt Ion: 95 Resp: 21458

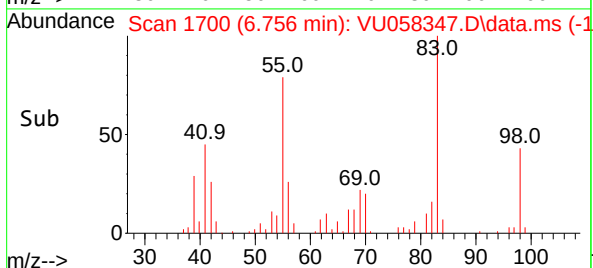
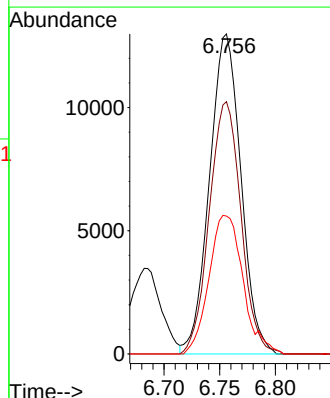
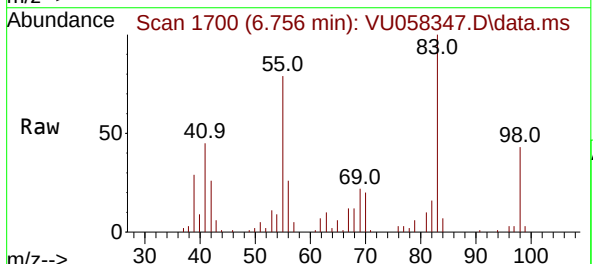
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.8  | 47.7  | 88.7  |
| 132 | 94.8  | 63.6  | 118.2 |
| 130 | 94.5  | 65.1  | 120.9 |



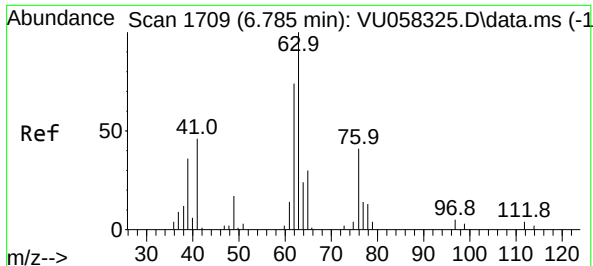
#35  
Methylcyclohexane  
Concen: 3.612 ug/L  
RT: 6.756 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

Tgt Ion: 83 Resp: 25514

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 79.3  | 62.7  | 94.1  |
| 98  | 46.9  | 37.3  | 55.9  |







#37

1,2-Dichloropropane

Concen: 4.531 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

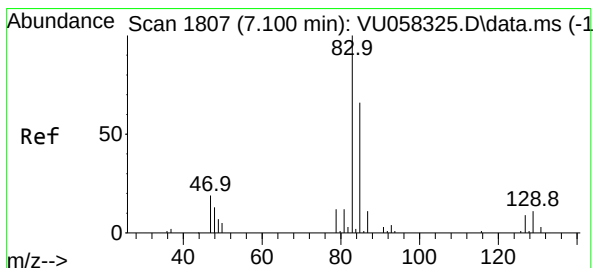
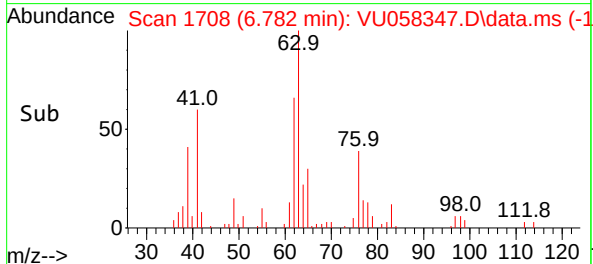
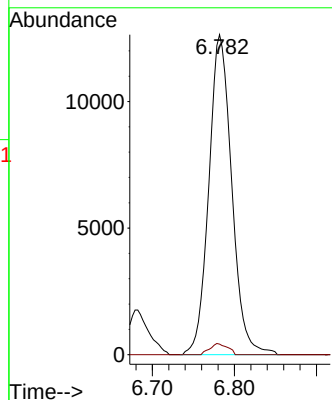
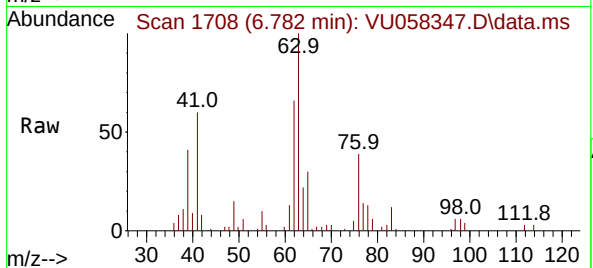
DCOE1MSD

Tgt Ion: 63 Resp: 24604

Ion Ratio Lower Upper

63 100

112 2.7 2.7 4.1#



#38

Bromodichloromethane

Concen: 4.615 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

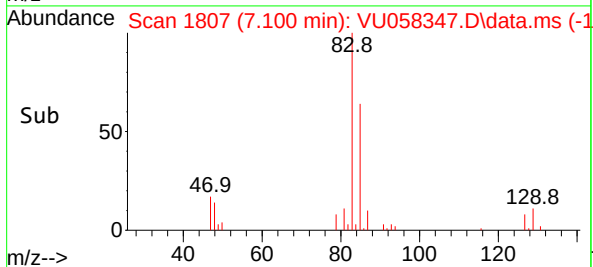
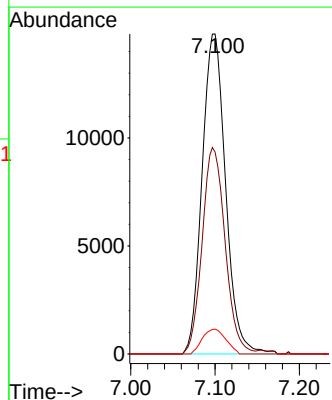
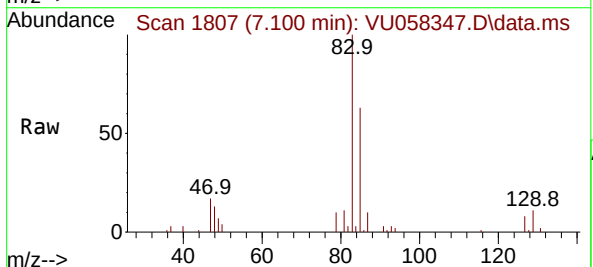
Tgt Ion: 83 Resp: 28726

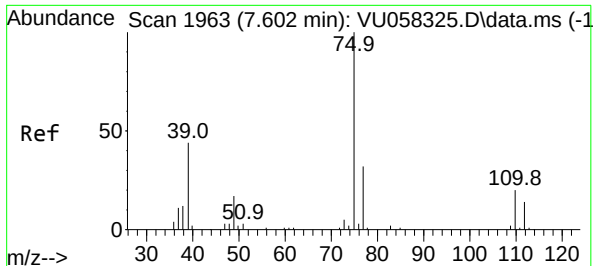
Ion Ratio Lower Upper

83 100

85 63.1 45.6 84.8

127 7.8 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 4.419 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

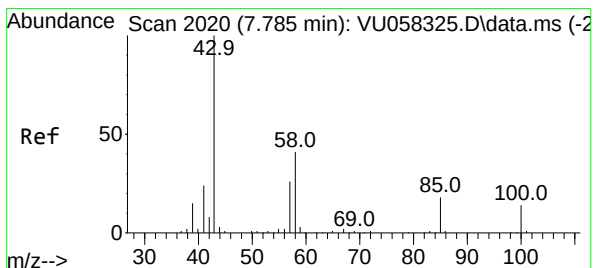
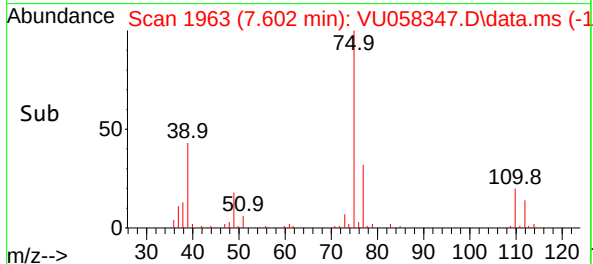
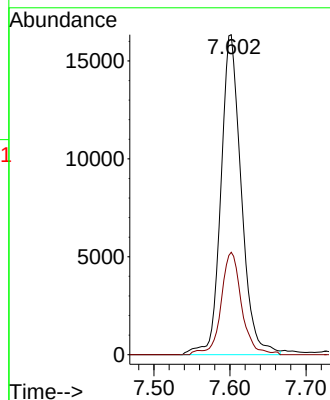
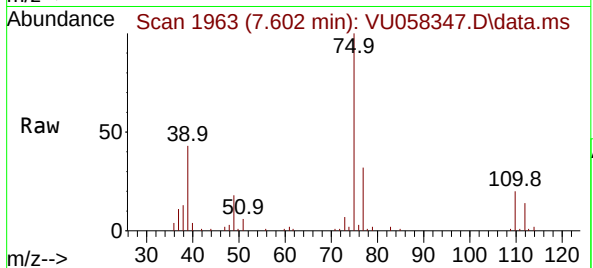
DCOE1MSD

Tgt Ion: 75 Resp: 30437

Ion Ratio Lower Upper

75 100

77 32.0 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 46.266 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.003 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

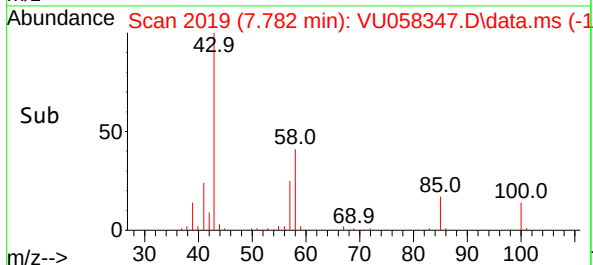
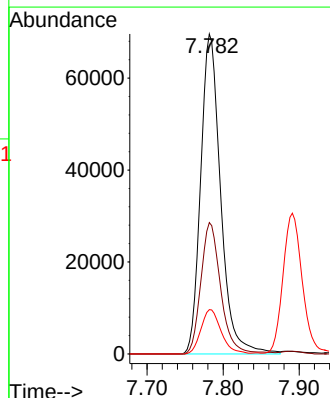
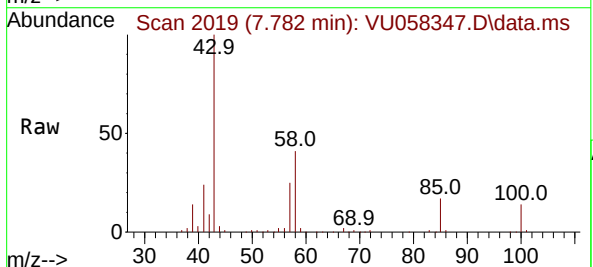
Tgt Ion: 43 Resp: 127038

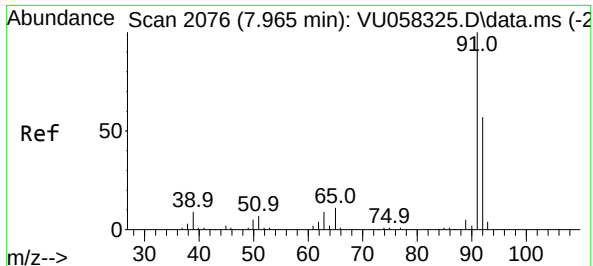
Ion Ratio Lower Upper

43 100

58 40.9 33.2 49.8

100 14.0 11.5 17.3





#42

Toluene

Concen: 4.208 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

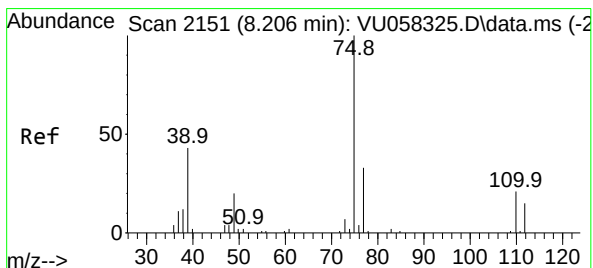
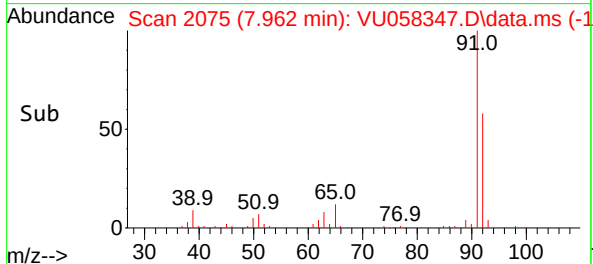
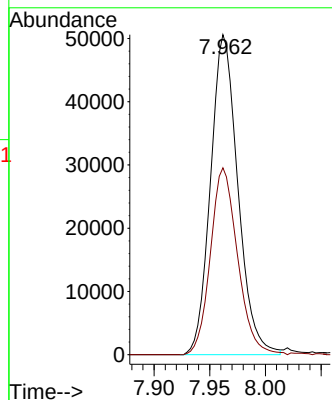
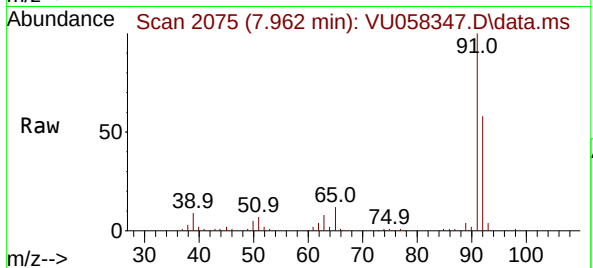
DCOE1MSD

Tgt Ion: 91 Resp: 86438

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 4.479 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU058347.D

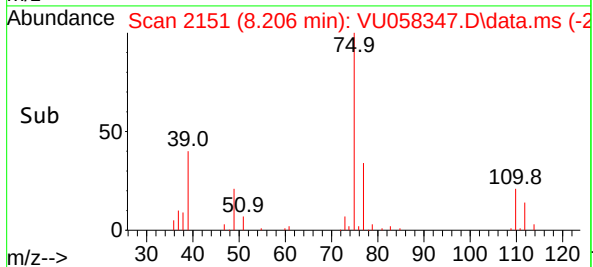
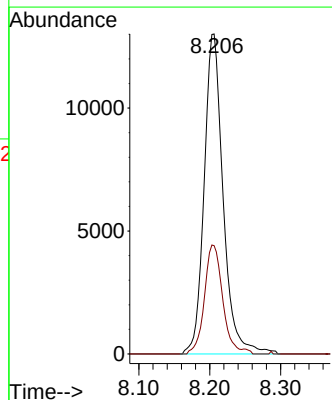
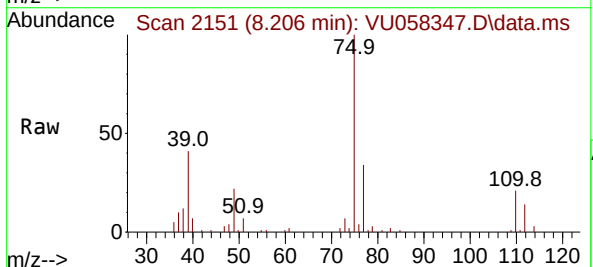
Acq: 02 Apr 2024 19:18

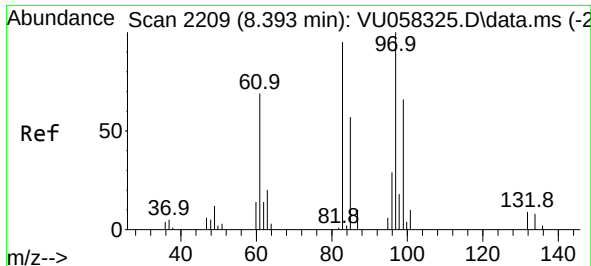
Tgt Ion: 75 Resp: 24274

Ion Ratio Lower Upper

75 100

77 33.8 21.7 40.3

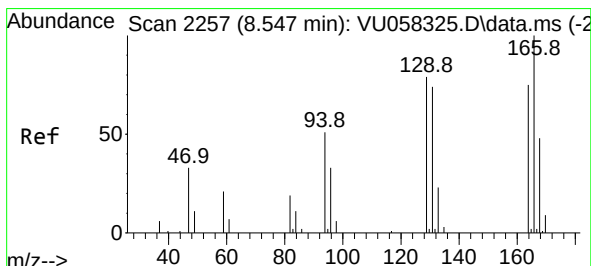
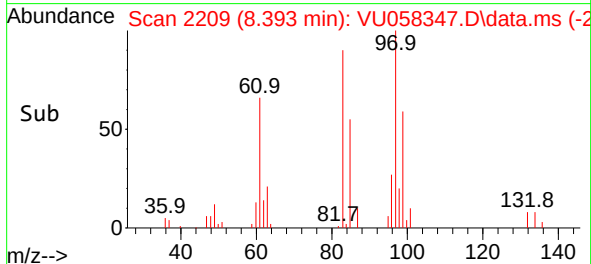
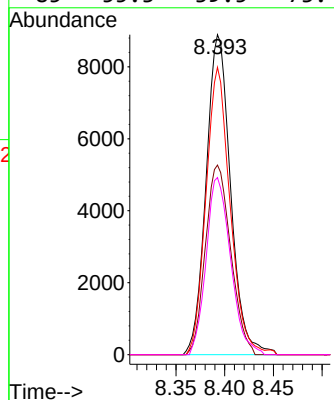
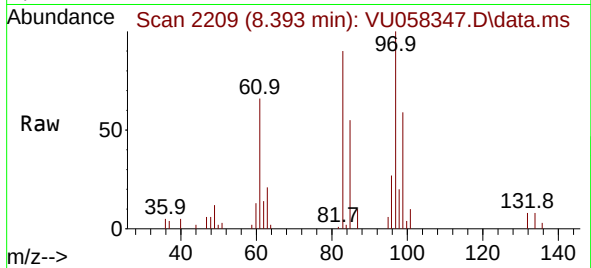




#45  
1,1,2-Trichloroethane  
Concen: 4.553 ug/L  
RT: 8.393 min Scan# 2209  
Delta R.T. -0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

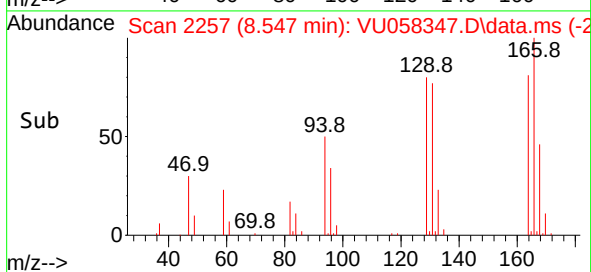
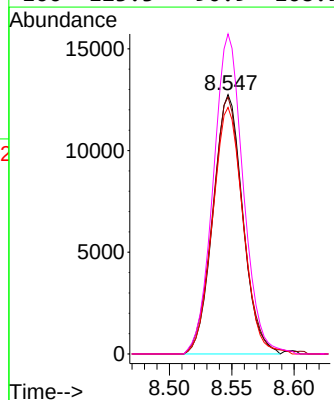
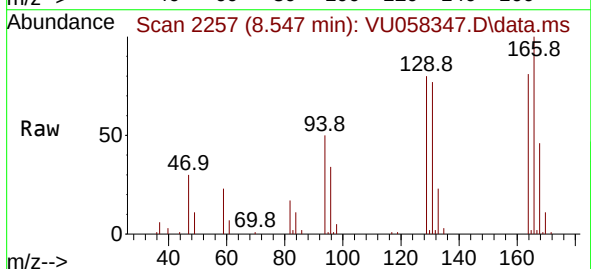
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

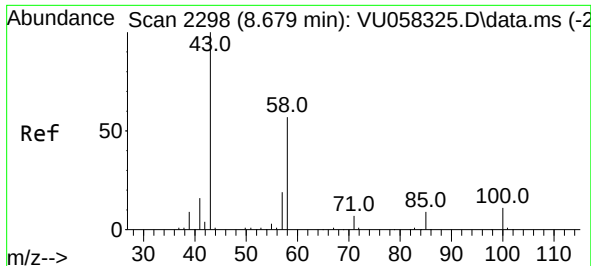
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 15574 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 59.2  | 44.5  | 82.7  |
| 83       | 89.8  | 64.1  | 119.1 |
| 85       | 55.3  | 39.5  | 73.4  |



#47  
Tetrachloroethene  
Concen: 6.218 ug/L  
RT: 8.547 min Scan# 2257  
Delta R.T. 0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 21092 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 99.1  | 71.3  | 132.3 |
| 131      | 95.0  | 70.8  | 131.4 |
| 166      | 123.3 | 90.9  | 168.9 |

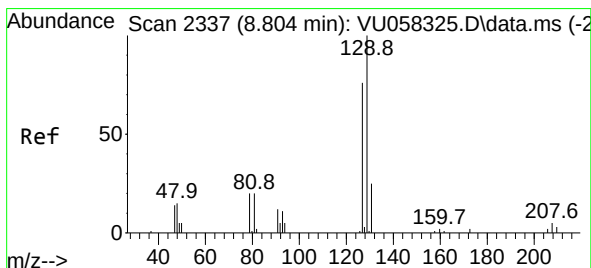
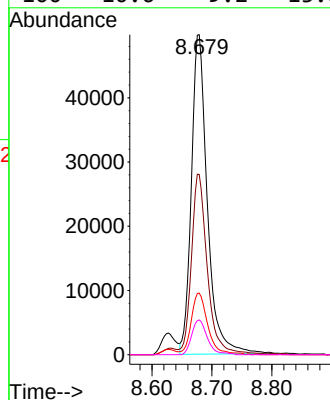
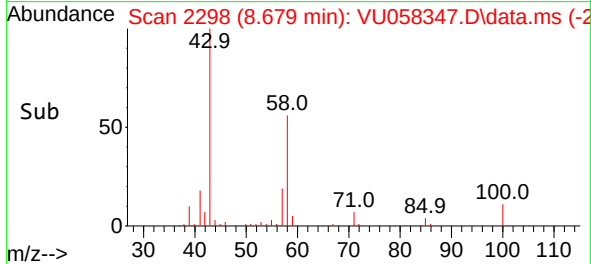
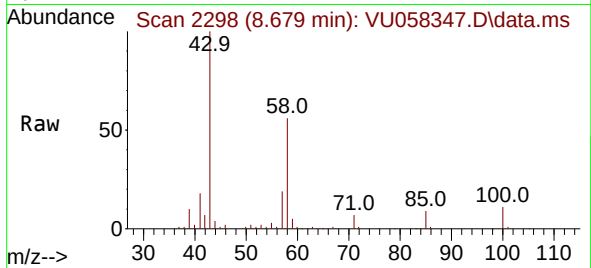




#48  
2-Hexanone  
Concen: 46.185 ug/L  
RT: 8.679 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

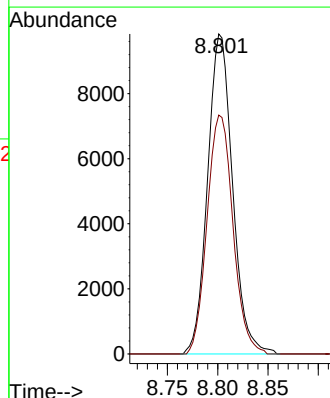
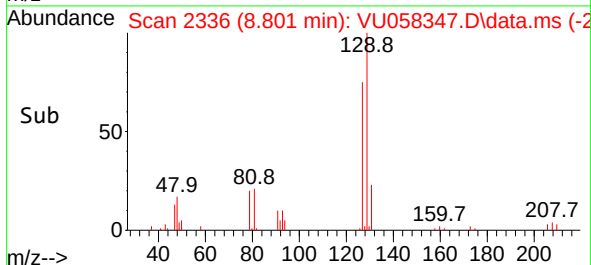
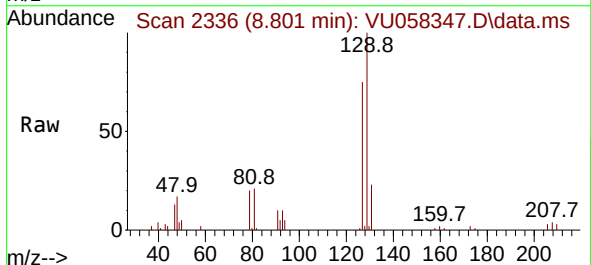
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

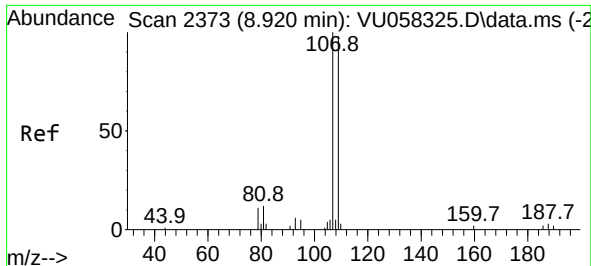
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 92353 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 55.2     | 48.3 72.5   |
| 57 20.1     | 16.3 24.5   |
| 100 10.6    | 9.2 13.8    |



#49  
Dibromochloromethane  
Concen: 4.541 ug/L  
RT: 8.801 min Scan# 2336  
Delta R.T. -0.003 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:129 | Resp: 16995 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 129 100     |             |       |  |
| 127 74.7    | 55.7        | 103.5 |  |





#50

1,2-Dibromoethane

Concen: 4.608 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

DCOE1MSD

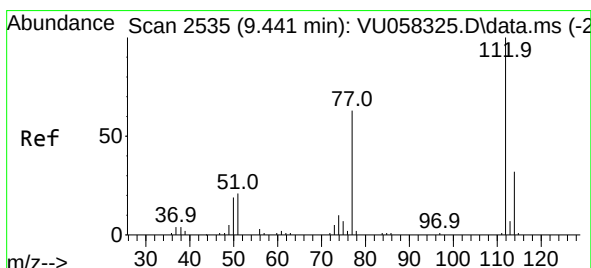
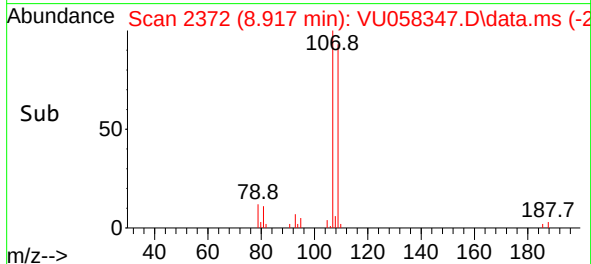
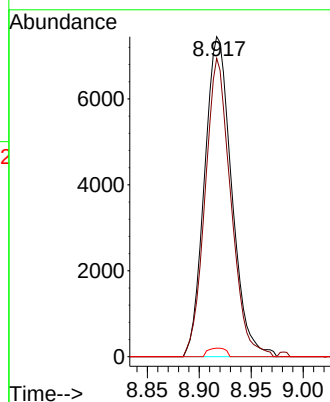
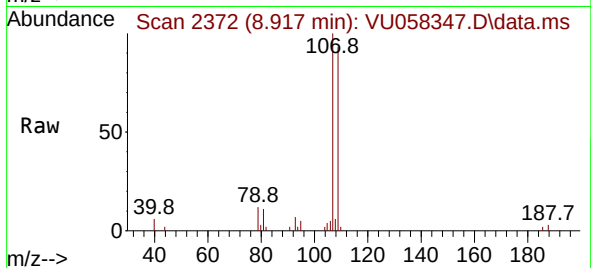
Tgt Ion:107 Resp: 13569

Ion Ratio Lower Upper

107 100

109 93.2 67.8 125.8

188 2.7 2.5 3.7



#51

Chlorobenzene

Concen: 4.421 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

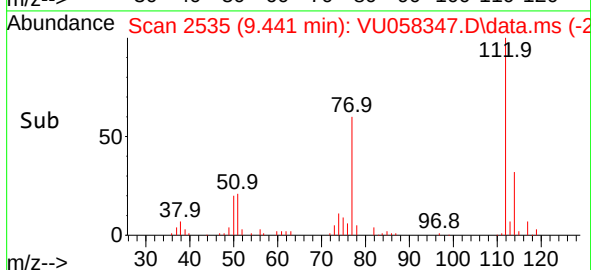
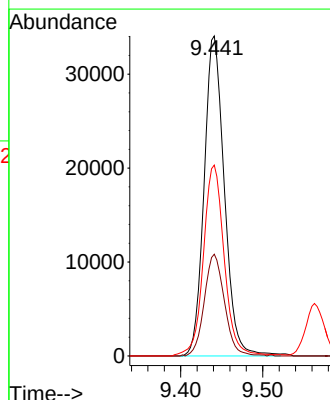
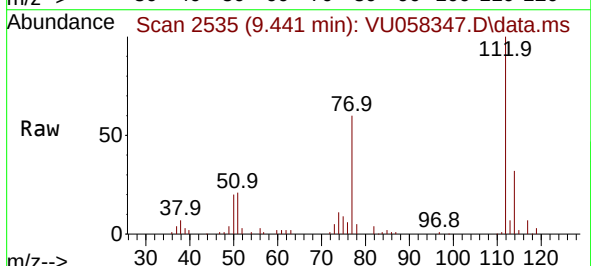
Tgt Ion:112 Resp: 58508

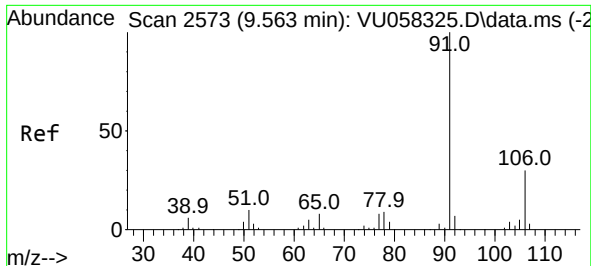
Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.3

77 59.6 48.9 73.3

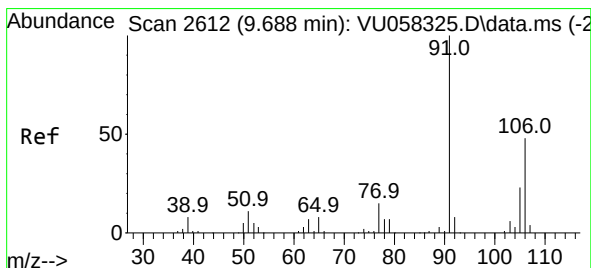
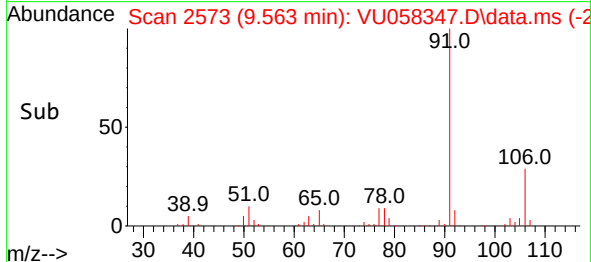
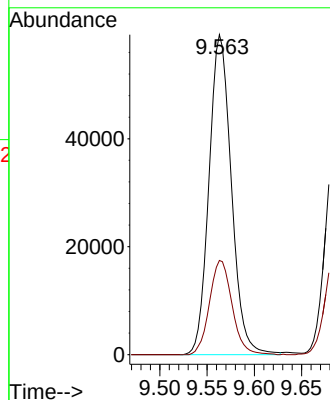
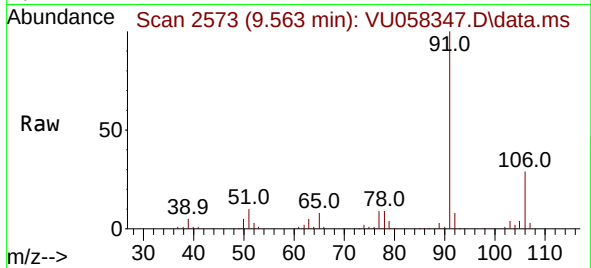




#52  
Ethylbenzene  
Concen: 4.250 ug/L  
RT: 9.563 min Scan# 2573  
Delta R.T. 0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

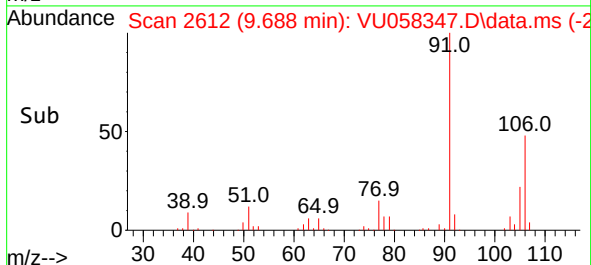
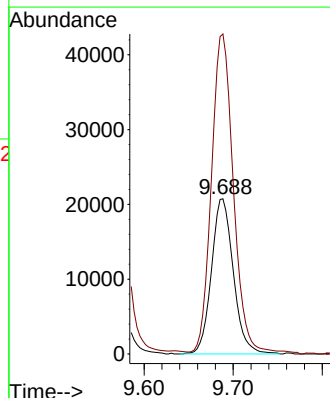
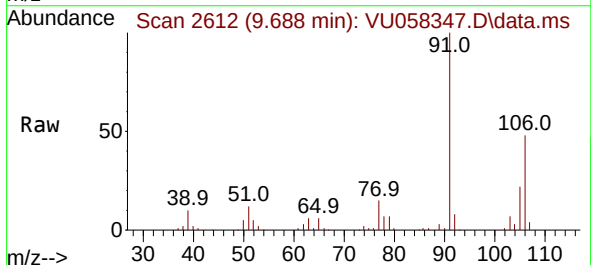
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

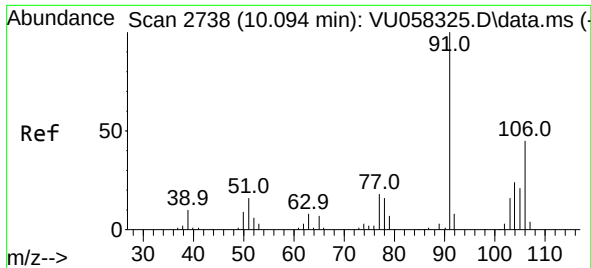
Tgt Ion: 91 Resp: 97475  
Ion Ratio Lower Upper  
91 100  
106 29.4 20.6 38.2



#53  
m,p-Xylene  
Concen: 4.339 ug/L  
RT: 9.688 min Scan# 2612  
Delta R.T. 0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

Tgt Ion: 106 Resp: 35455  
Ion Ratio Lower Upper  
106 100  
91 206.2 151.0 280.4

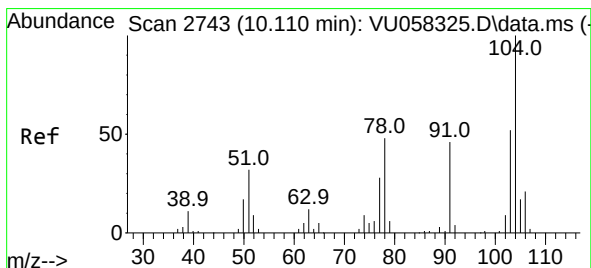
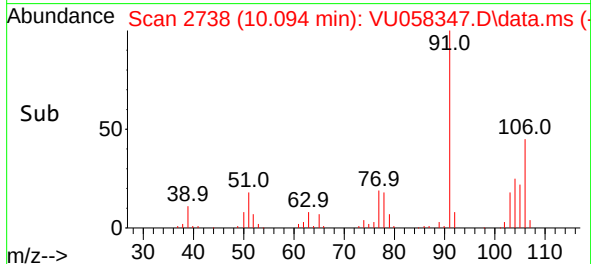
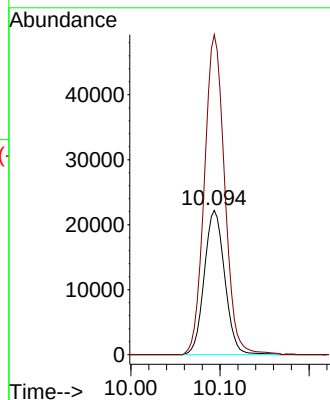
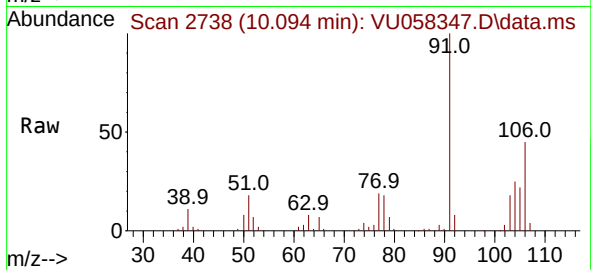




#54  
o-Xylene  
Concen: 4.300 ug/L  
RT: 10.094 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

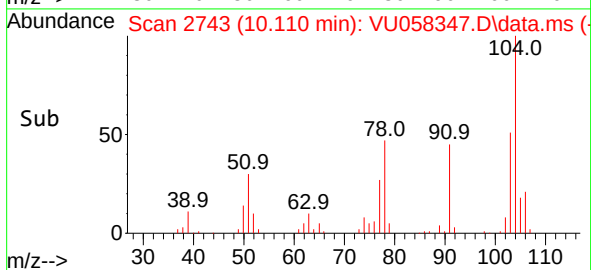
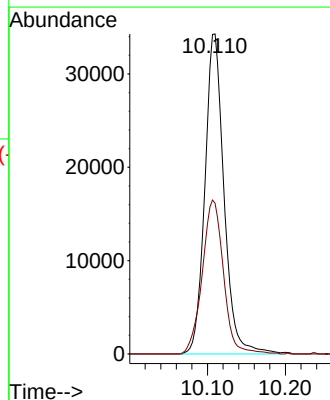
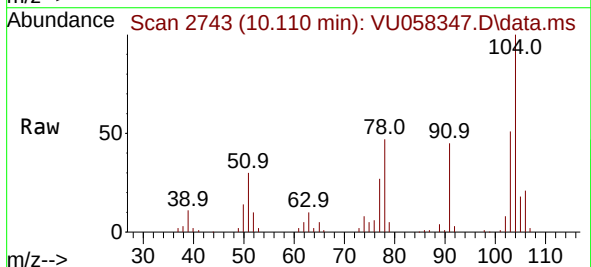
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

Tgt Ion:106 Resp: 35472  
Ion Ratio Lower Upper  
106 100  
91 221.7 154.3 286.7

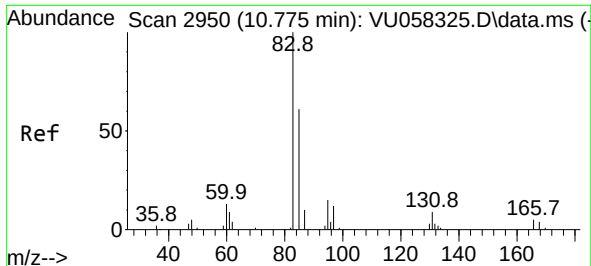


#55  
Styrene  
Concen: 4.498 ug/L  
RT: 10.110 min Scan# 2743  
Delta R.T. 0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

Tgt Ion:104 Resp: 58585  
Ion Ratio Lower Upper  
104 100  
78 47.1 34.5 64.1







#57

1,1,2-Tetrachloroethane

Concen: 4.830 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

DCOE1MSD

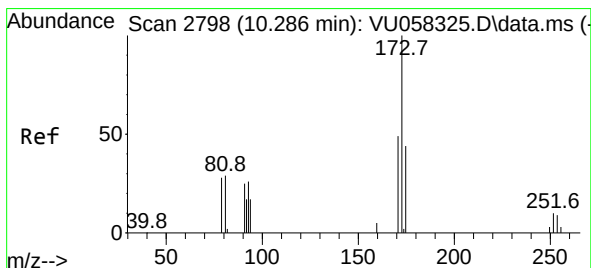
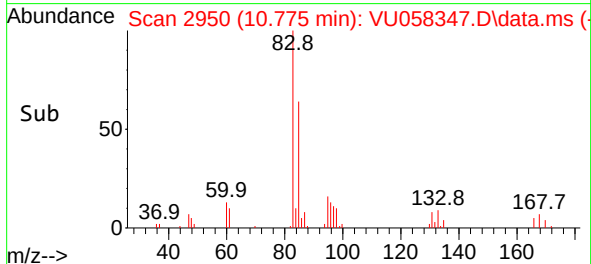
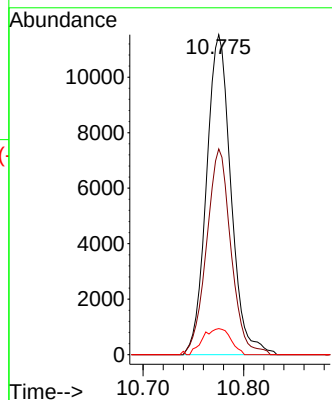
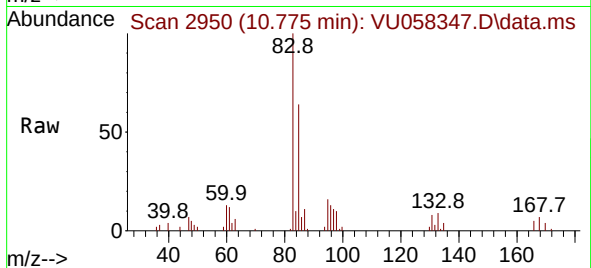
Tgt Ion: 83 Resp: 19472

Ion Ratio Lower Upper

83 100

85 64.3 44.7 82.9

131 8.2 7.0 10.6



#59

Bromoform

Concen: 4.524 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.003 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

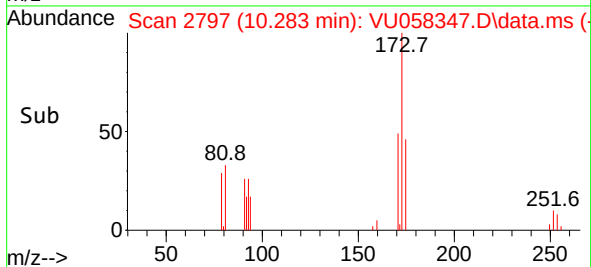
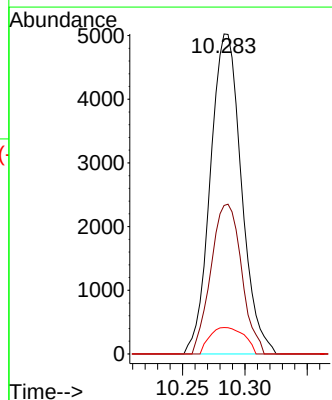
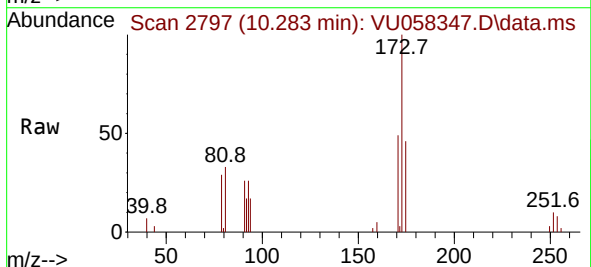
Tgt Ion:173 Resp: 8694

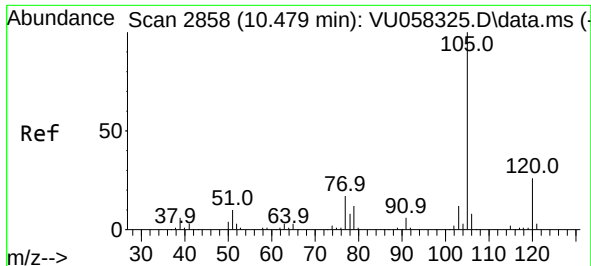
Ion Ratio Lower Upper

173 100

175 46.2 40.9 61.3

254 9.1 5.8 8.8#

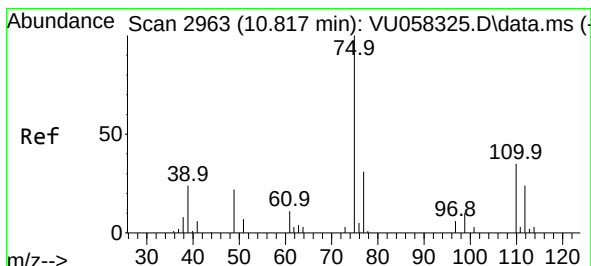
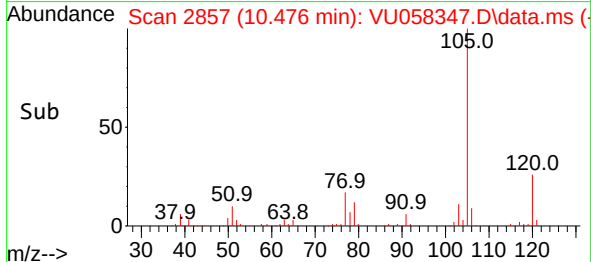
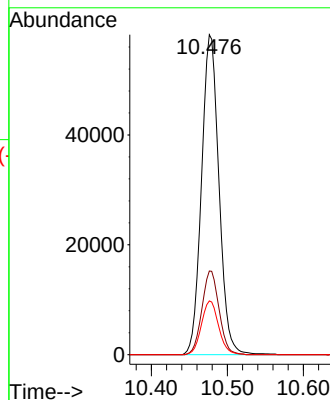
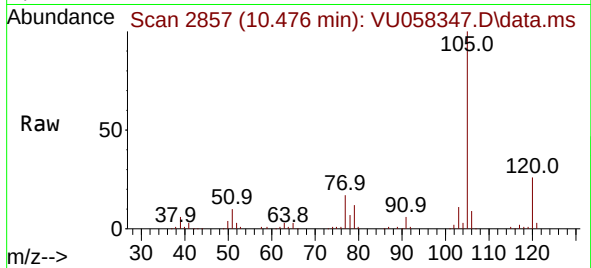




#60  
Isopropylbenzene  
Concen: 4.224 ug/L  
RT: 10.476 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

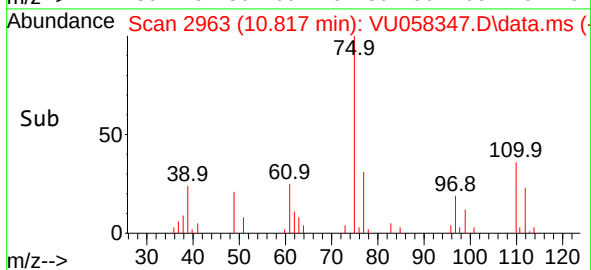
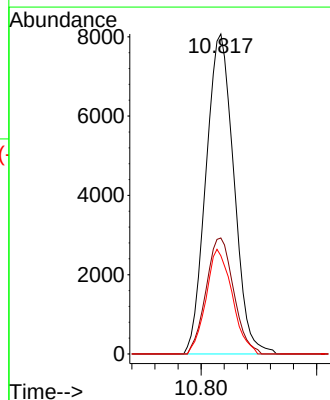
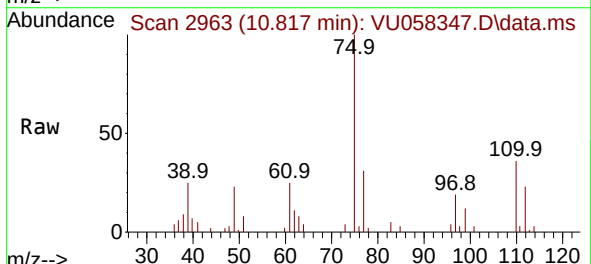
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

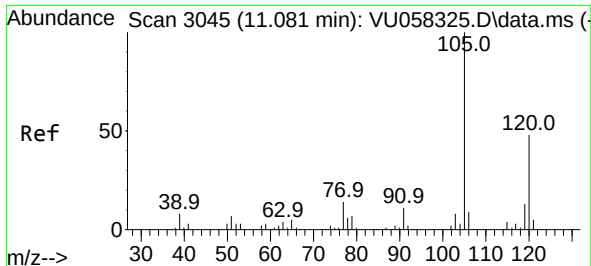
Tgt Ion:105 Resp: 92847  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.5 30.7  
77 16.6 13.2 19.8



#61  
1,2,3-Trichloropropane  
Concen: 4.414 ug/L  
RT: 10.817 min Scan# 2963  
Delta R.T. 0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

Tgt Ion: 75 Resp: 13524  
Ion Ratio Lower Upper  
75 100  
110 35.9 28.1 42.1  
77 30.7 25.1 37.7

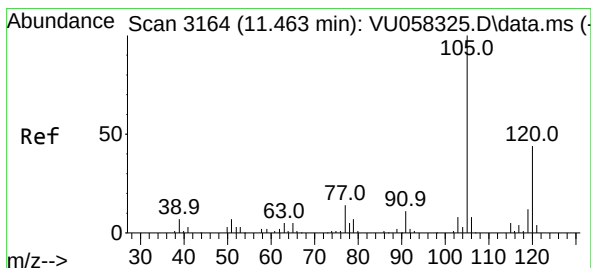
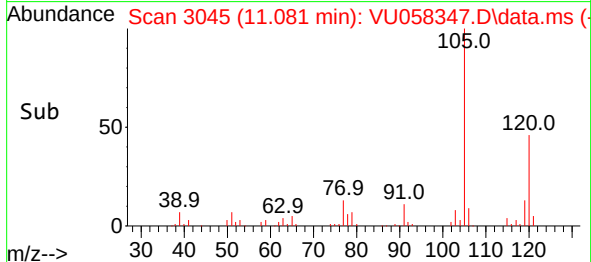
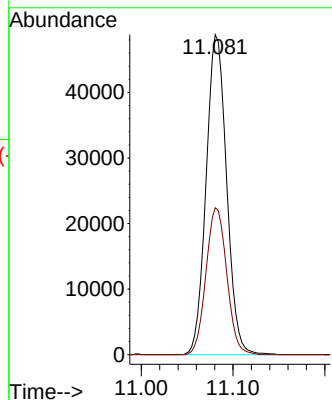
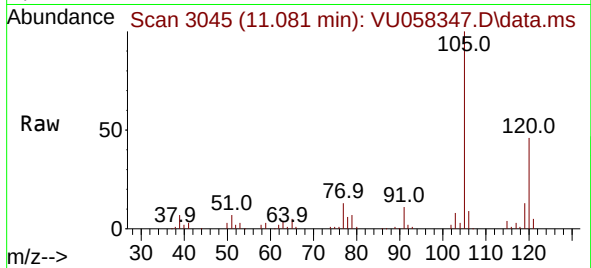




#62  
1,3,5-Trimethylbenzene  
Concen: 4.110 ug/L  
RT: 11.081 min Scan# 3045  
Delta R.T. -0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

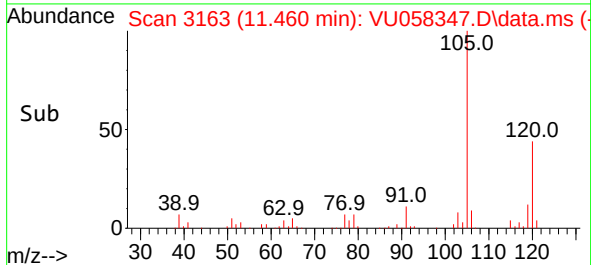
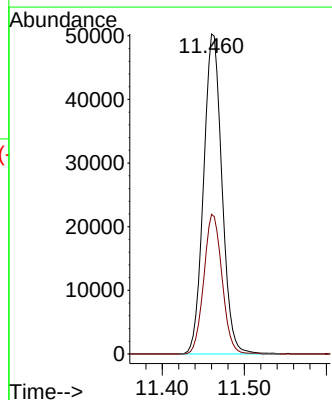
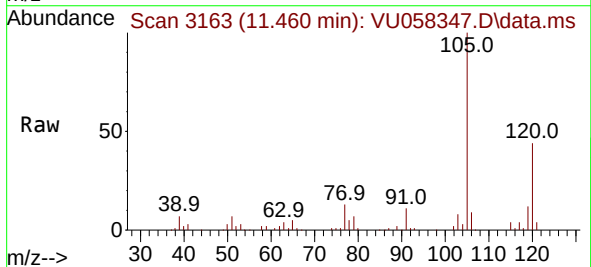
Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

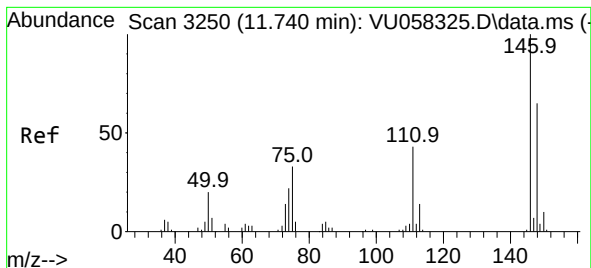
Tgt Ion:105 Resp: 75815  
Ion Ratio Lower Upper  
105 100  
120 46.6 36.7 55.1



#63  
1,2,4-Trimethylbenzene  
Concen: 4.260 ug/L  
RT: 11.460 min Scan# 3163  
Delta R.T. -0.003 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

Tgt Ion:105 Resp: 78049  
Ion Ratio Lower Upper  
105 100  
120 43.3 35.9 53.9





#64

1,3-Dichlorobenzene

Concen: 4.396 ug/L

RT: 11.740 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

DCOE1MSD

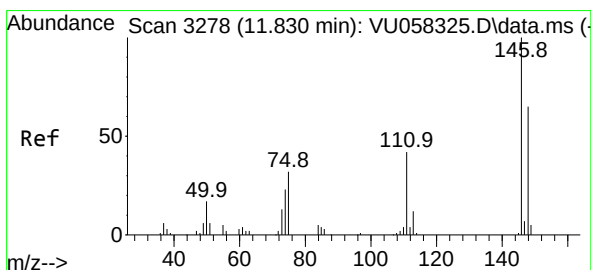
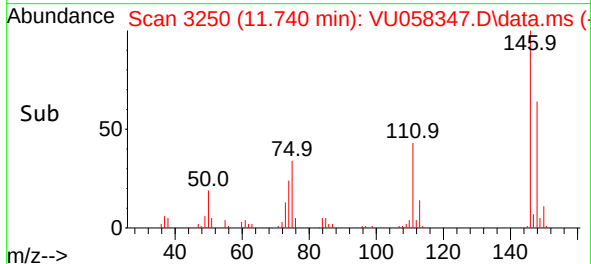
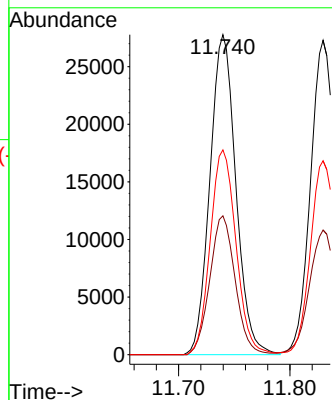
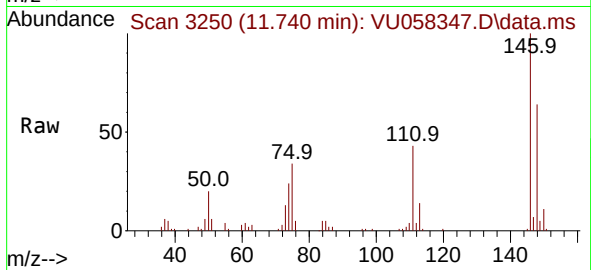
Tgt Ion:146 Resp: 45005

Ion Ratio Lower Upper

146 100

111 43.4 29.9 55.5

148 64.0 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 4.526 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

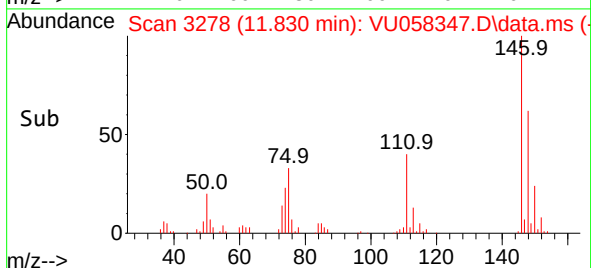
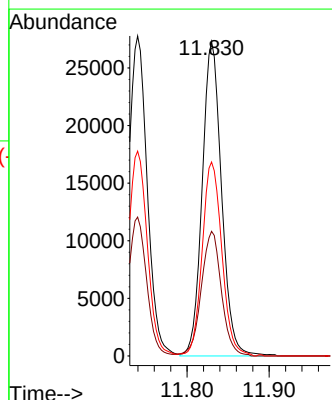
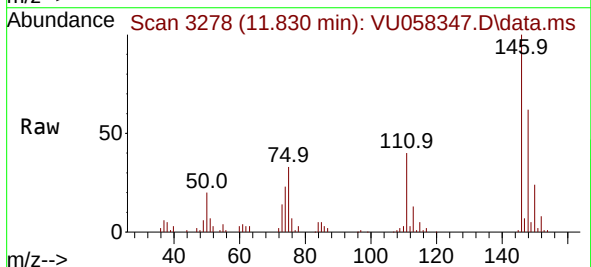
Tgt Ion:146 Resp: 44777

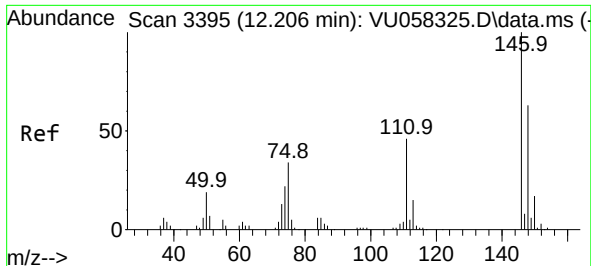
Ion Ratio Lower Upper

146 100

111 39.6 29.0 53.8

148 61.7 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 4.425 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU058347.D

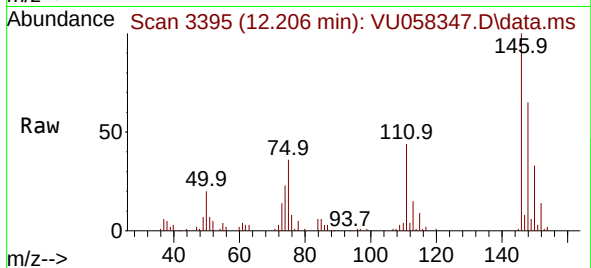
Acq: 02 Apr 2024 19:18

Instrument :

MSVOA\_U

ClientSampleId :

DCOE1MSD



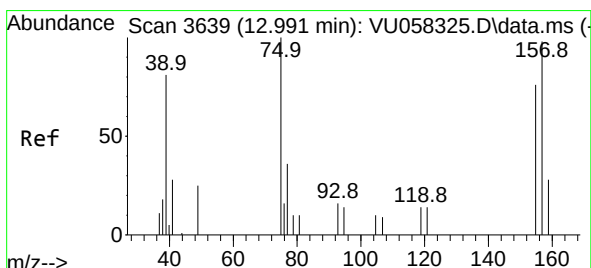
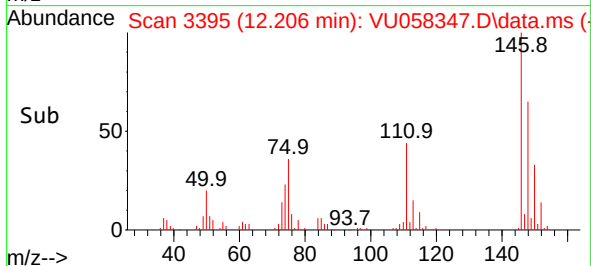
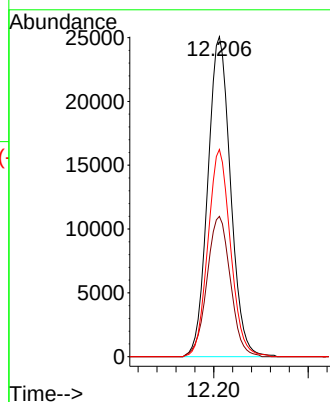
Tgt Ion:146 Resp: 41892

Ion Ratio Lower Upper

146 100

111 43.9 35.9 53.9

148 64.8 52.4 78.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.214 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU058347.D

Acq: 02 Apr 2024 19:18

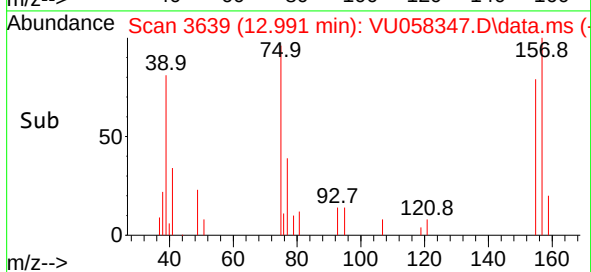
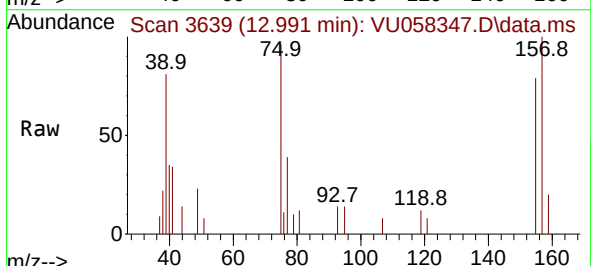
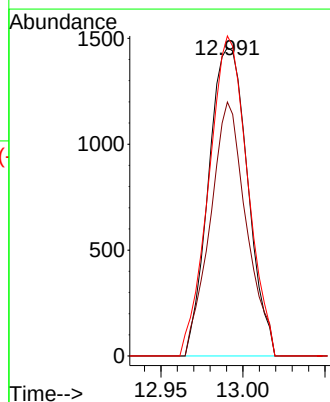
Tgt Ion: 75 Resp: 2409

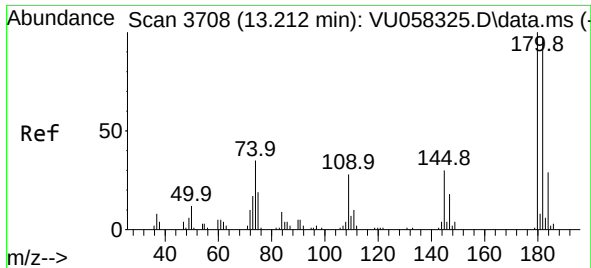
Ion Ratio Lower Upper

75 100

155 82.3 60.2 90.2

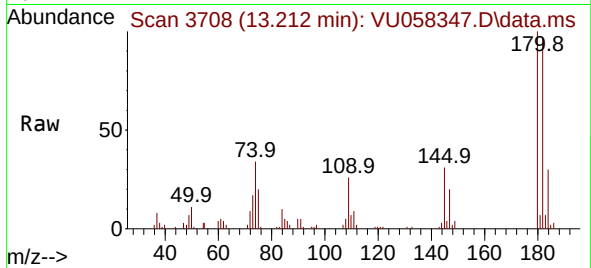
157 103.8 82.6 123.8



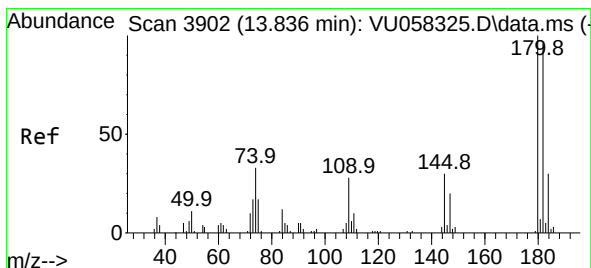
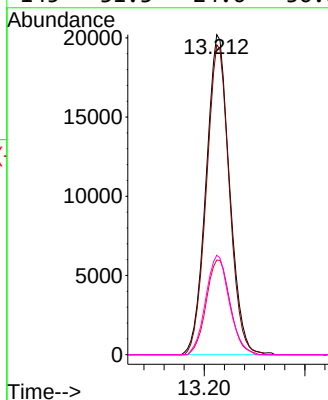
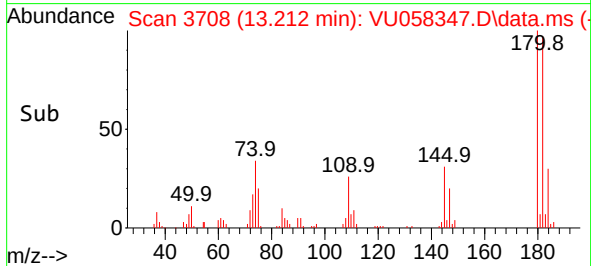


#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.560 ug/L  
 RT: 13.212 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VU058347.D  
 Acq: 02 Apr 2024 19:18

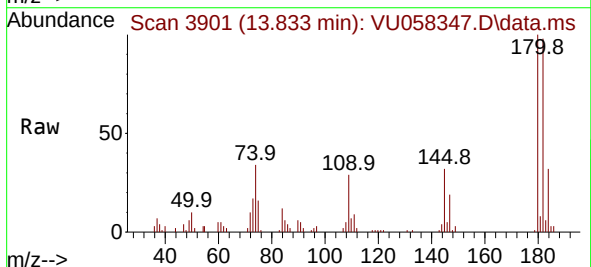
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DCOE1MSD



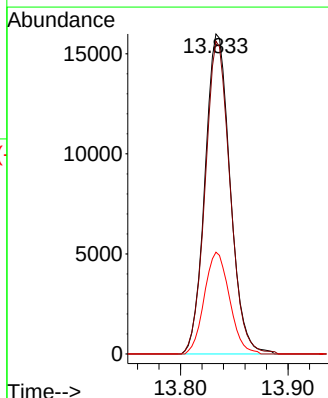
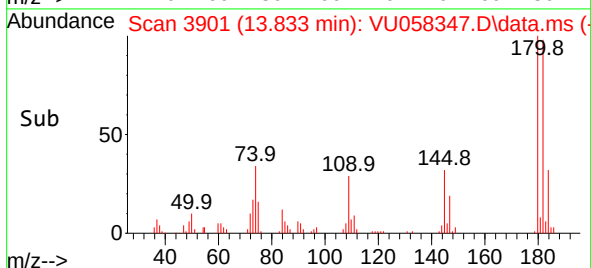
Tgt Ion:180 Resp: 32643  
 Ion Ratio Lower Upper  
 180 100  
 182 94.5 75.4 113.0  
 184 30.1 24.8 37.2  
 145 31.3 24.6 36.8

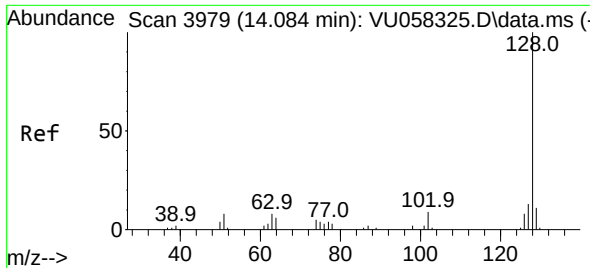


#70  
 1,2,4-trichlorobenzene  
 Concen: 4.864 ug/L  
 RT: 13.833 min Scan# 3901  
 Delta R.T. -0.003 min  
 Lab File: VU058347.D  
 Acq: 02 Apr 2024 19:18



Tgt Ion:180 Resp: 25972  
 Ion Ratio Lower Upper  
 180 100  
 182 96.9 74.5 111.7  
 145 31.8 24.5 36.7

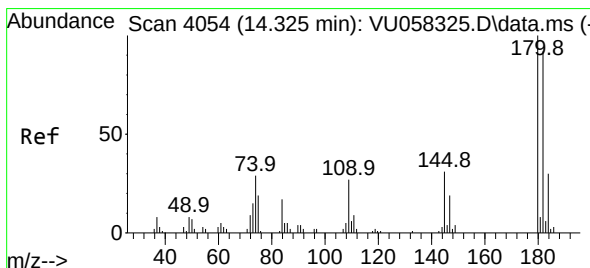
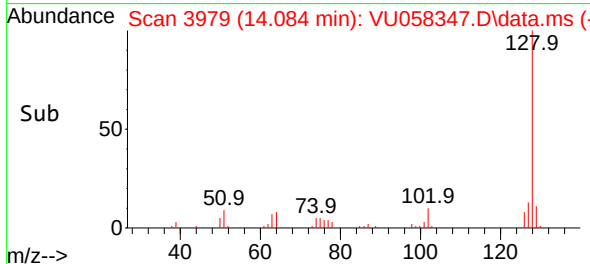
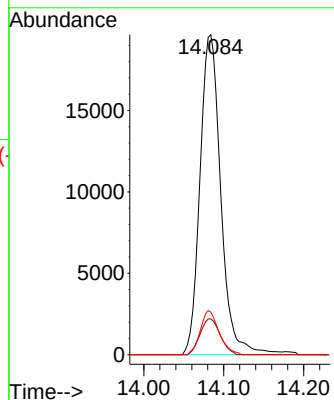
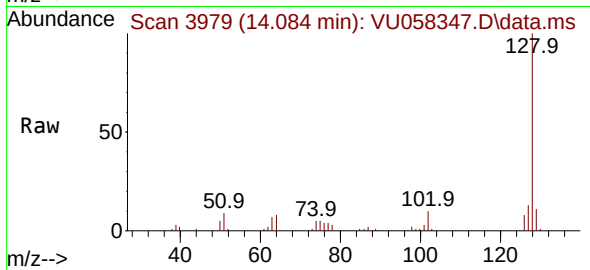




#71  
Naphthalene  
Concen: 4.899 ug/L  
RT: 14.084 min Scan# 3979  
Delta R.T. 0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

Instrument :  
MSVOA\_U  
ClientSampleId :  
DCOE1MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 35624 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 10.8  | 8.1   | 12.1  |
| 127       | 12.4  | 10.2  | 15.4  |



#72  
1,2,3-Trichlorobenzene  
Concen: 5.003 ug/L  
RT: 14.325 min Scan# 4054  
Delta R.T. 0.000 min  
Lab File: VU058347.D  
Acq: 02 Apr 2024 19:18

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 21874 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.1  | 74.4  | 111.6 |
| 145       | 35.8  | 26.3  | 39.5  |

