

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW020724\  
 Data File : VW034042.D  
 Acq On : 07 Feb 2024 19:43  
 Operator : SY/MD  
 Sample : P1383-07MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Feb 08 04:53:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 08 04:46:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.538  | 114   | 82890    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 77741    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 41406    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 21976    | 3.423    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 68.400%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 21556    | 3.834    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 76.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.059  | 65    | 11387    | 3.678    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 73.600%  |
| 20) 2-Butanone-d5             | 3.793  | 46    | 56402    | 52.313   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 104.620% |
| 24) Chloroform-d              | 4.252  | 84    | 53421    | 4.580    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.600%  |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65    | 25919    | 4.754    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.000%  |
| 32) Benzene-d6                | 4.963  | 84    | 93431    | 4.006    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 80.200%  |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 27469    | 4.213    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 84.200%  |
| 41) Toluene-d8                | 7.246  | 98    | 87230    | 4.069    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 81.400%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 10683    | 4.339    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.800%  |
| 46) 2-Hexanone-d5             | 8.024  | 63    | 48769    | 55.492   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 110.980% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84    | 19825    | 5.016    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 32941    | 4.374    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 35111    | 4.622    | ug/L   | 100      |
| 3) Chloromethane              | 1.217  | 50    | 37597    | 4.538    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.285  | 62    | 37070    | 4.682    | ug/L   | 92       |
| 6) Bromomethane               | 1.487  | 94    | 19662    | 4.716    | ug/L   | 97       |
| 8) Chloroethane               | 1.548  | 64    | 23534    | 4.357    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.715  | 101   | 59864    | 5.247    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 30267    | 5.075    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.069  | 96    | 27942    | 4.825    | ug/L   | 97       |
| 13) Acetone                   | 2.117  | 43    | 39974    | 48.871   | ug/L # | 37       |
| 14) Carbon disulfide          | 2.243  | 76    | 81670    | 4.359    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.381  | 43    | 8455     | 4.368    | ug/L   | 95       |
| 16) Methylene chloride        | 2.449  | 84    | 27030    | 4.865    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.709  | 73    | 65254    | 5.485    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96    | 28061    | 4.758    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 53245    | 4.913    | ug/L   | 96       |
| 21) 2-Butanone                | 3.873  | 43    | 55401    | 51.255   | ug/L # | 60       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96    | 31117    | 4.650    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.153  | 128   | 12376    | 5.320    | ug/L   | 98       |
| 25) Chloroform                | 4.281  | 83    | 55124    | 5.032    | ug/L   | 94       |

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 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

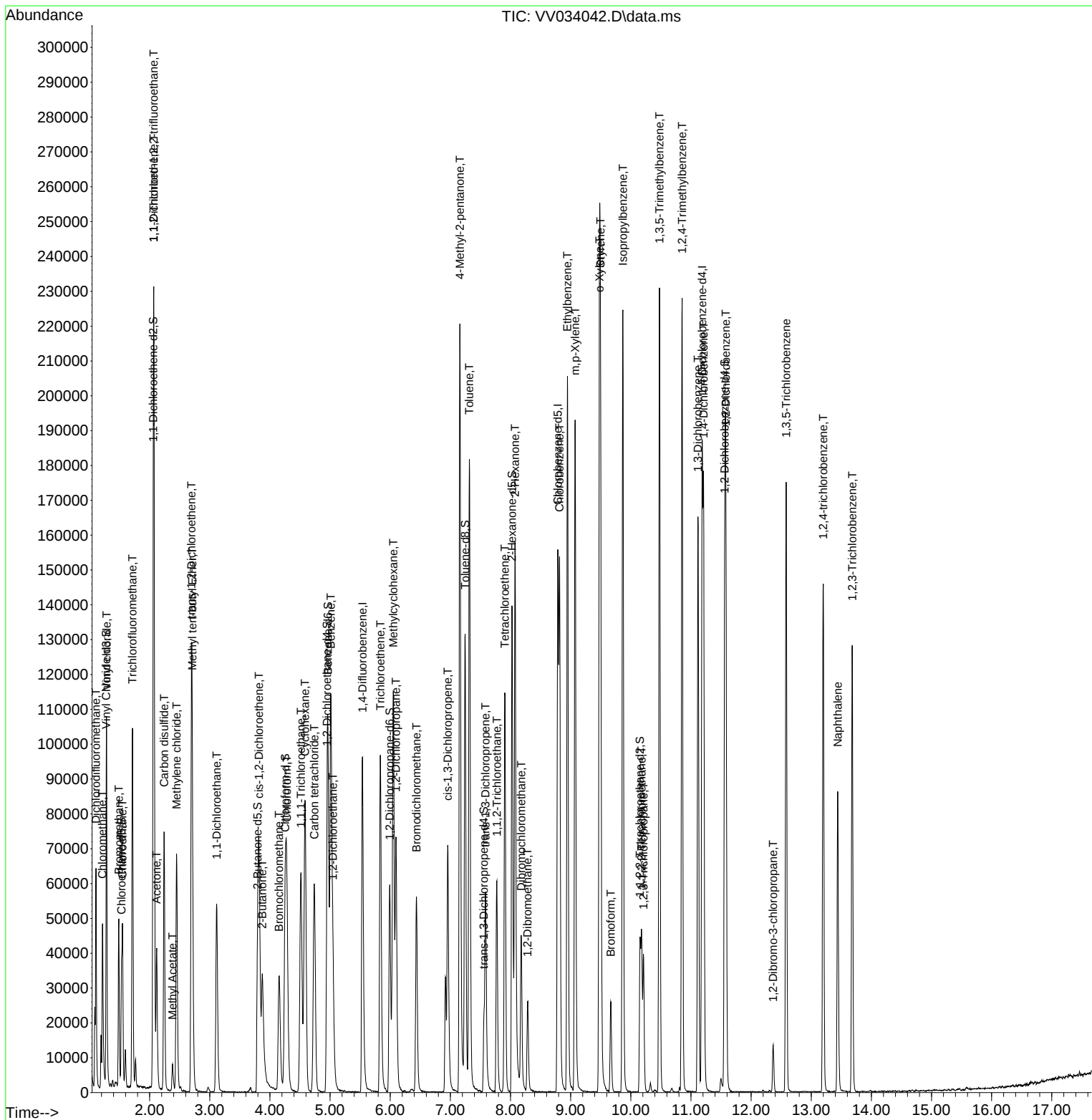
Instrument :  
 MSVOA\_V  
 ClientSampleId :

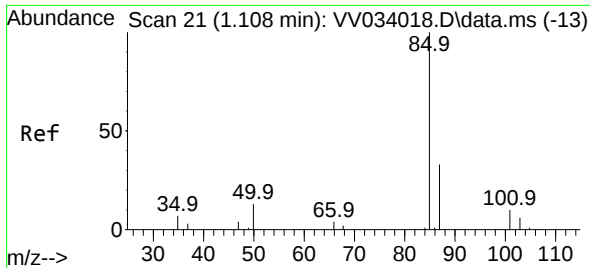
Quant Time: Feb 08 04:53:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 08 04:46:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.046  | 62   | 34029    | 5.425  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 4.516  | 97   | 53201    | 5.097  | ug/L   | 99       |
| 30) Cyclohexane               | 4.583  | 56   | 46943    | 4.625  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 46011    | 5.038  | ug/L   | 100      |
| 33) Benzene                   | 5.011  | 78   | 113198   | 4.855  | ug/L   | 100      |
| 34) Trichloroethene           | 5.837  | 95   | 33859    | 5.017  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.053  | 83   | 49173    | 4.642  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 26988    | 4.778  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.435  | 83   | 38331    | 5.170  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 42847    | 4.986  | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 147929   | 54.694 | ug/L   | 99       |
| 42) Toluene                   | 7.316  | 91   | 132239   | 5.306  | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 34198    | 5.183  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 18438    | 5.287  | ug/L   | 94       |
| 47) Tetrachloroethene         | 7.905  | 164  | 24917    | 4.544  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.075  | 43   | 102156   | 53.583 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.178  | 129  | 21941    | 5.294  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 16934    | 5.410  | ug/L # | 99       |
| 51) Chlorobenzene             | 8.815  | 112  | 78743    | 4.998  | ug/L   | 96       |
| 52) Ethylbenzene              | 8.947  | 91   | 142198   | 4.957  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 53494    | 4.935  | ug/L   | 97       |
| 54) o-Xylene                  | 9.480  | 106  | 51368    | 4.914  | ug/L   | 99       |
| 55) Styrene                   | 9.496  | 104  | 86705    | 5.181  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 20620    | 5.602  | ug/L   | 100      |
| 59) Bromoform                 | 9.667  | 173  | 11409    | 5.002  | ug/L   | 100      |
| 60) Isopropylbenzene          | 9.869  | 105  | 143433   | 4.682  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 15095    | 5.303  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 121683   | 4.698  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 118621   | 4.713  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 65160    | 4.878  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 64527    | 4.878  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 58369    | 5.088  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 3681     | 6.170  | ug/L   | 86       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 50262    | 4.862  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.200 | 180  | 41933    | 5.196  | ug/L   | 98       |
| 71) Naphthalene               | 13.442 | 128  | 65962    | 6.238  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 35477    | 5.486  | ug/L   | 96       |

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

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QLast Update : Thu Feb 08 04:46:29 2024  
Response via : Initial Calibration

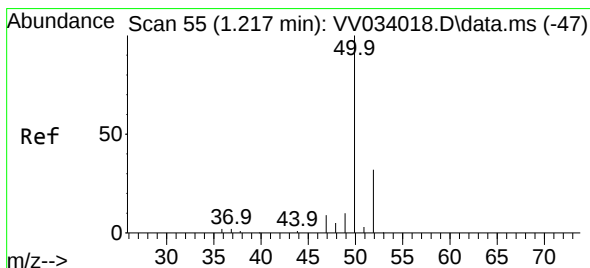
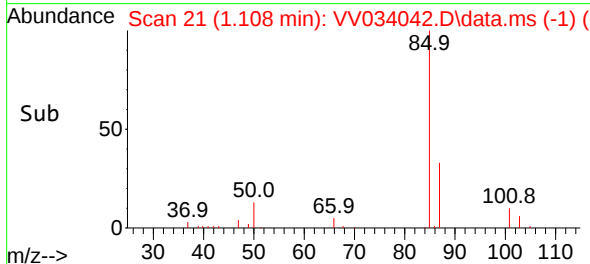
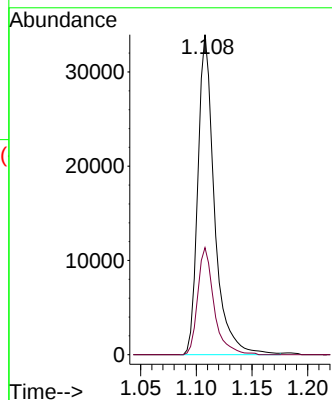
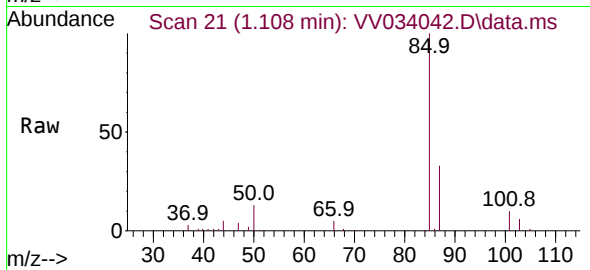




#2  
Dichlorodifluoromethane  
Concen: 4.622 ug/L  
RT: 1.108 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

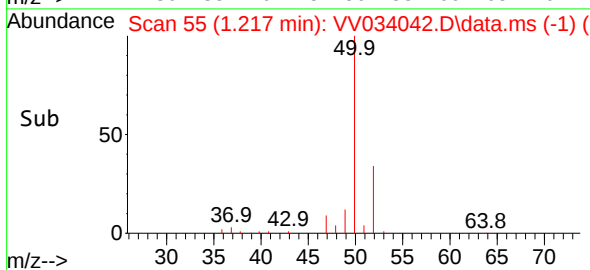
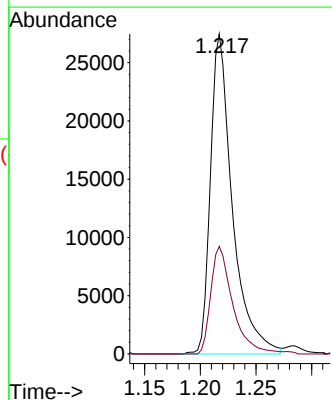
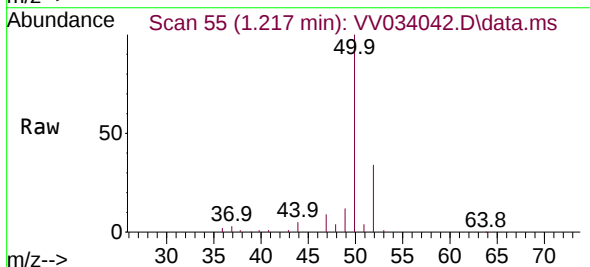
Instrument :  
MSVOA\_V  
ClientSampleId :

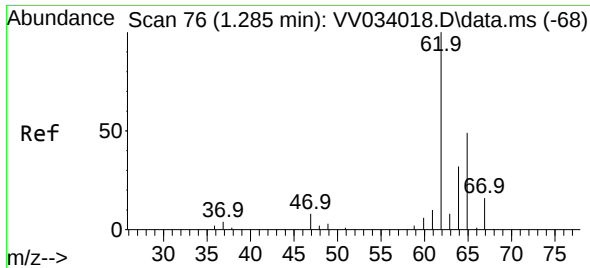
Tgt Ion: 85 Resp: 35111  
Ion Ratio Lower Upper  
85 100  
87 33.0 26.2 39.4



#3  
Chloromethane  
Concen: 4.538 ug/L  
RT: 1.217 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion: 50 Resp: 37597  
Ion Ratio Lower Upper  
50 100  
52 33.6 23.4 43.4

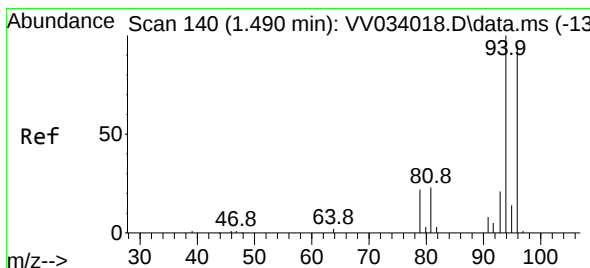
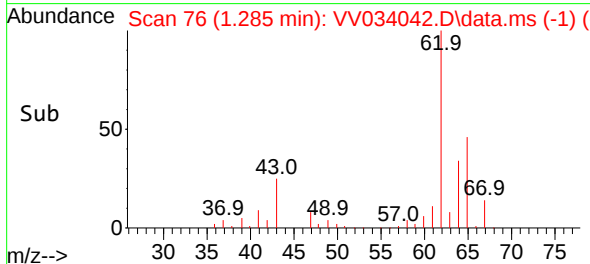
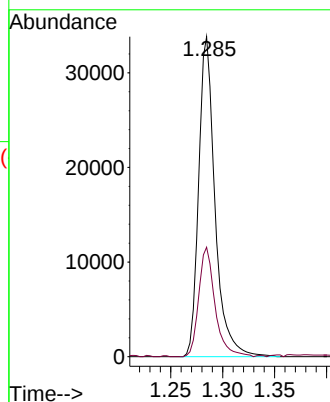
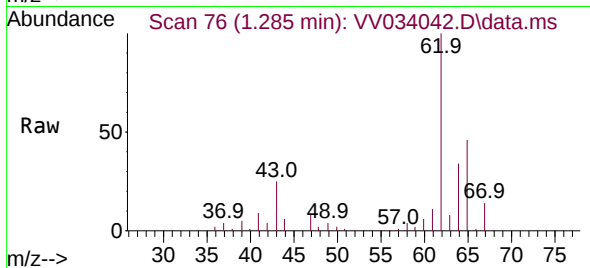




#5  
Vinyl chloride  
Concen: 4.682 ug/L  
RT: 1.285 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

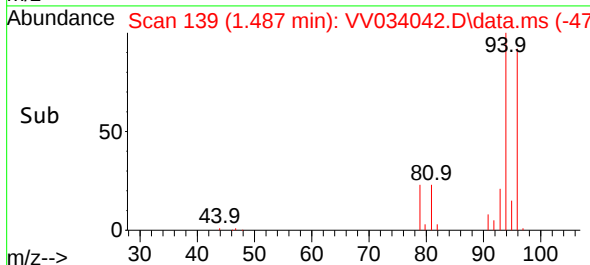
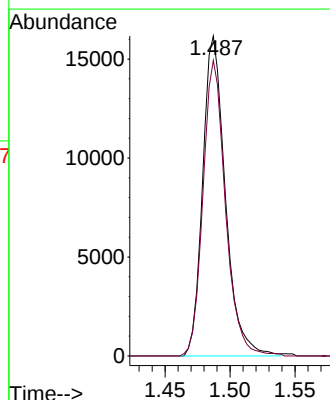
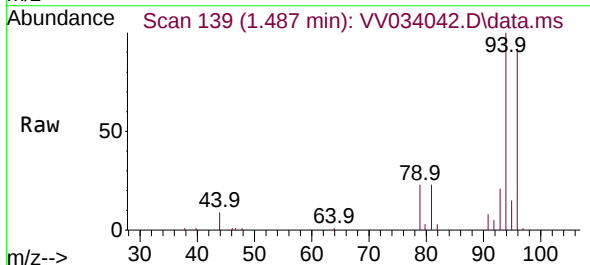
Instrument :  
MSVOA\_V  
ClientSampleId :

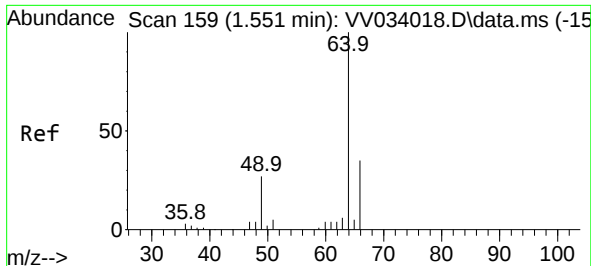
Tgt Ion: 62 Resp: 37070  
Ion Ratio Lower Upper  
62 100  
64 34.2 27.2 50.4



#6  
Bromomethane  
Concen: 4.716 ug/L  
RT: 1.487 min Scan# 139  
Delta R.T. -0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion: 94 Resp: 19662  
Ion Ratio Lower Upper  
94 100  
96 92.3 66.6 123.8

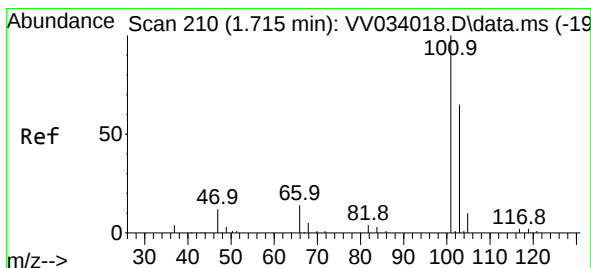
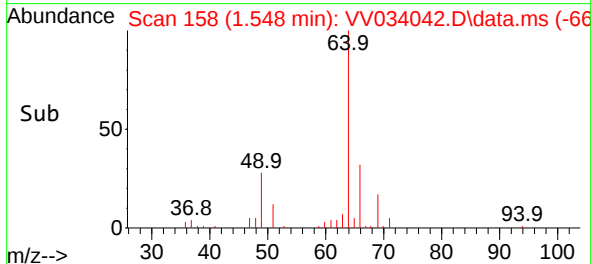
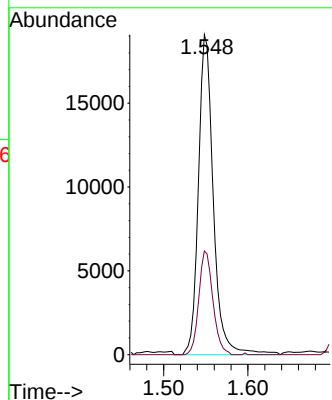
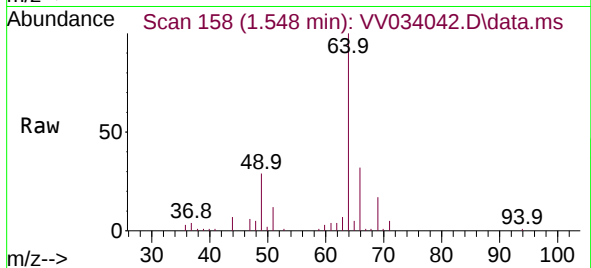




#8  
Chloroethane  
Concen: 4.357 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

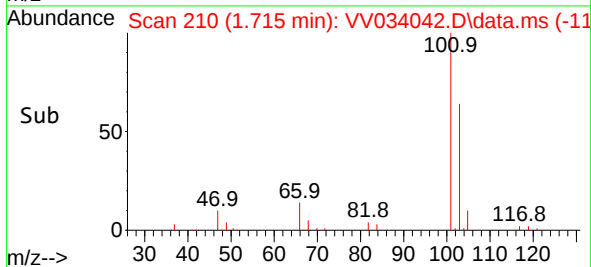
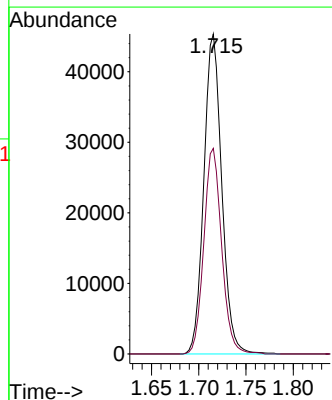
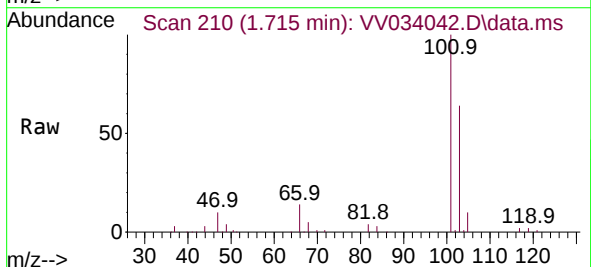
Instrument :  
MSVOA\_V  
ClientSampleId :

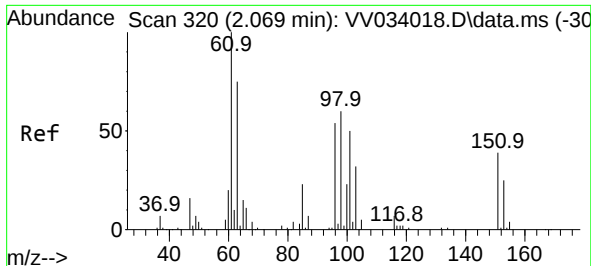
Tgt Ion: 64 Resp: 23534  
Ion Ratio Lower Upper  
64 100  
66 32.4 22.0 41.0



#9  
Trichlorofluoromethane  
Concen: 5.247 ug/L  
RT: 1.715 min Scan# 210  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion: 101 Resp: 59864  
Ion Ratio Lower Upper  
101 100  
103 63.7 51.0 76.4





#10

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

Concen: 5.075 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

ClientSampleId :

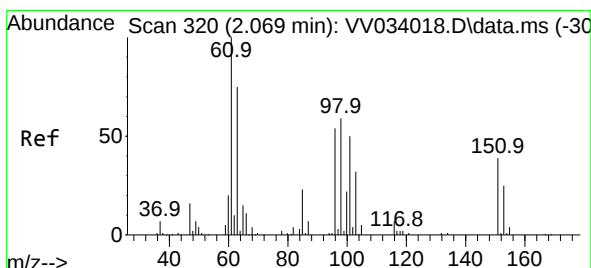
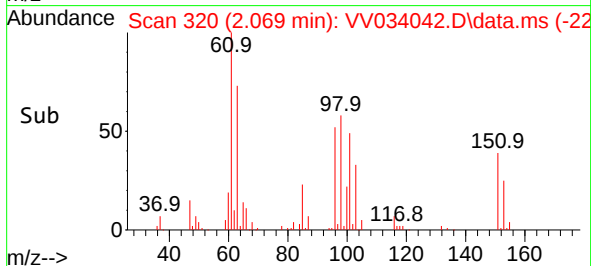
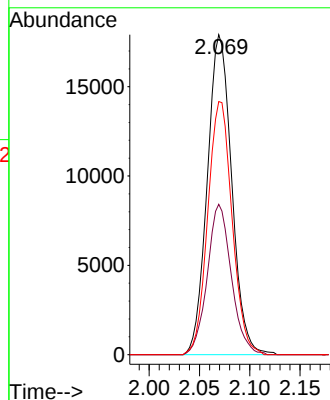
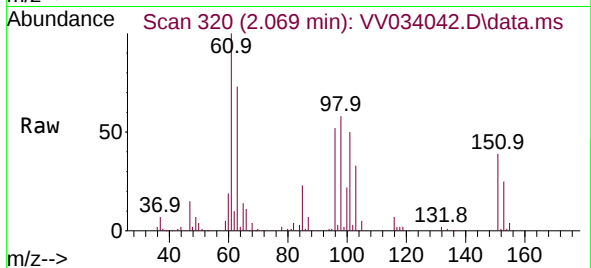
Tgt Ion:101 Resp: 30267

Ion Ratio Lower Upper

101 100

85 46.2 37.1 55.7

151 78.7 61.7 92.5



#12

1,1-Dichloroethene

Concen: 4.825 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

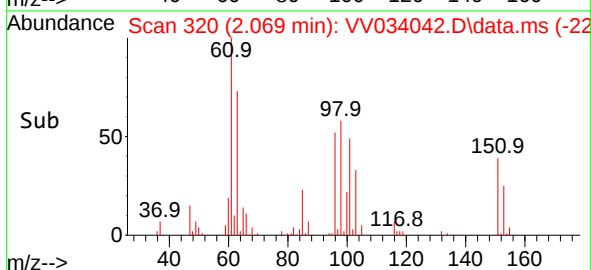
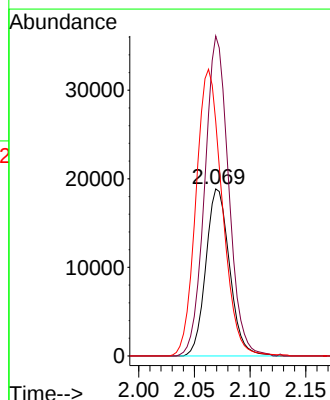
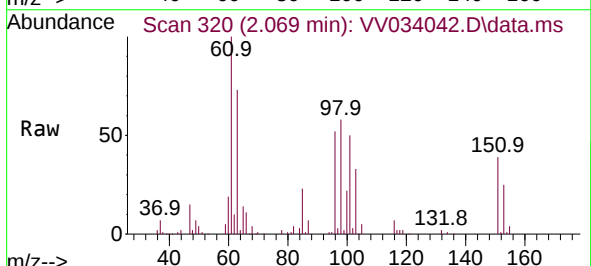
Tgt Ion: 96 Resp: 27942

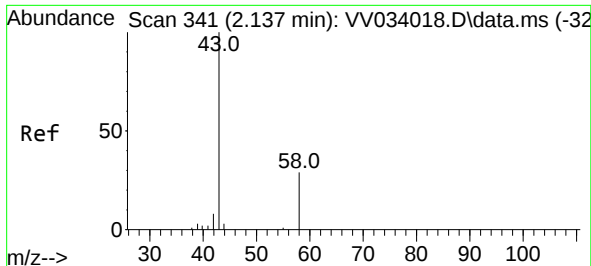
Ion Ratio Lower Upper

96 100

61 191.5 128.8 239.2

63 140.4 97.9 181.9





#13

Acetone

Concen: 48.871 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.019 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

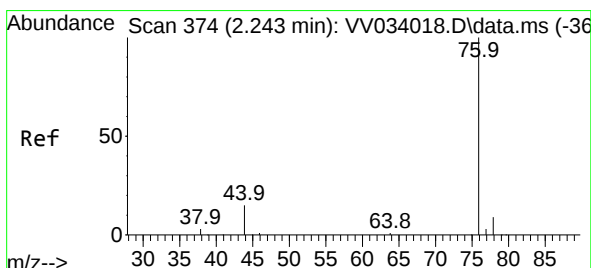
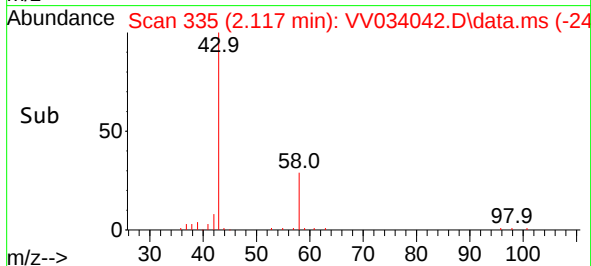
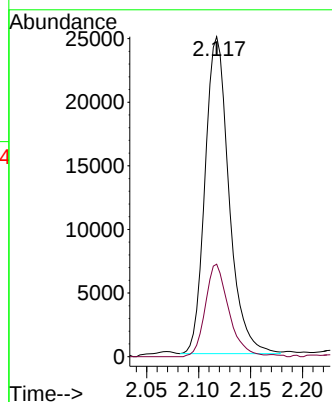
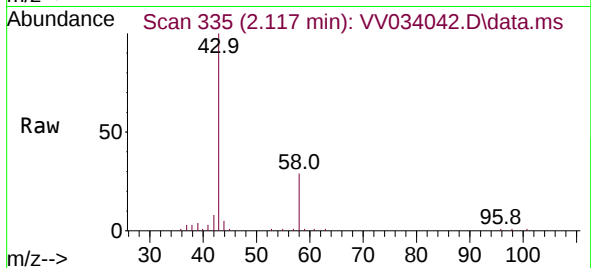
ClientSampleId :

Tgt Ion: 43 Resp: 39974

Ion Ratio Lower Upper

43 100

58 28.6 0.0 13.8#



#14

Carbon disulfide

Concen: 4.359 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV034042.D

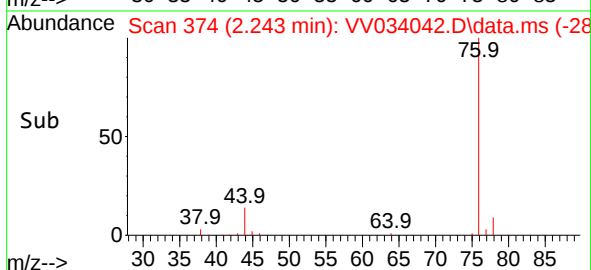
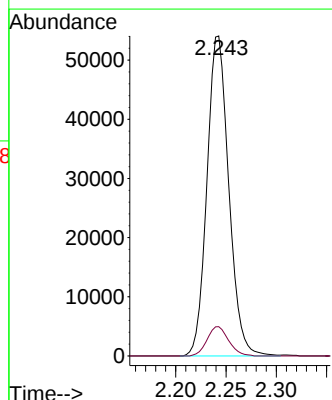
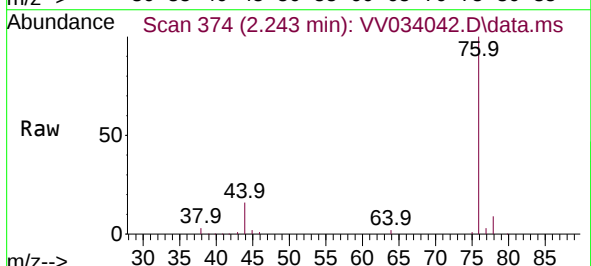
Acq: 07 Feb 2024 19:43

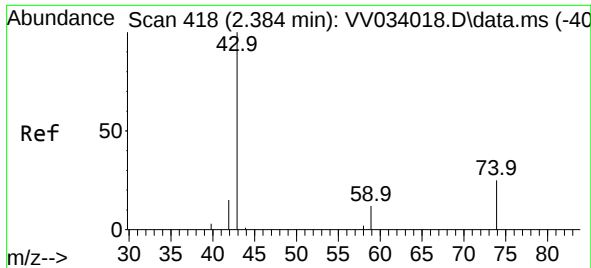
Tgt Ion: 76 Resp: 81670

Ion Ratio Lower Upper

76 100

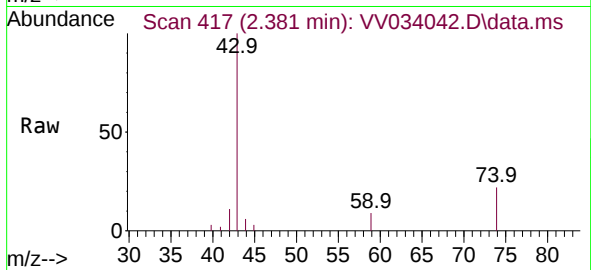
78 9.2 7.5 11.3



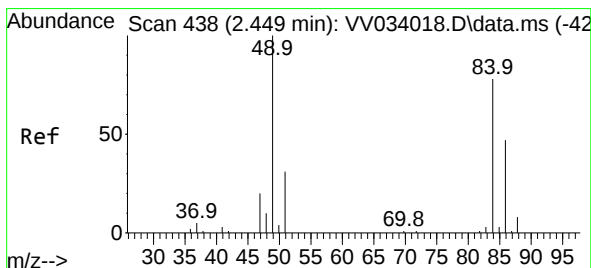
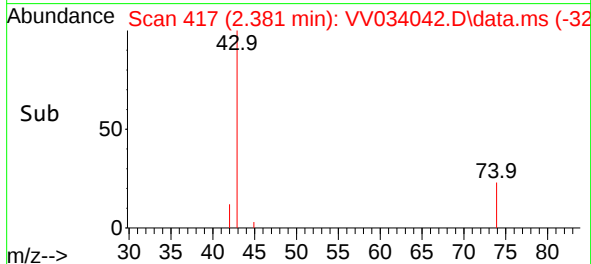
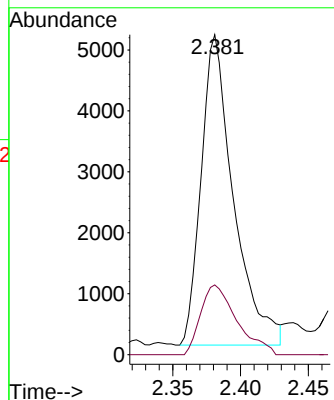


#15  
Methyl Acetate  
Concen: 4.368 ug/L  
RT: 2.381 min Scan# 417  
Delta R.T. -0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Instrument :  
MSVOA\_V  
ClientSampleId :

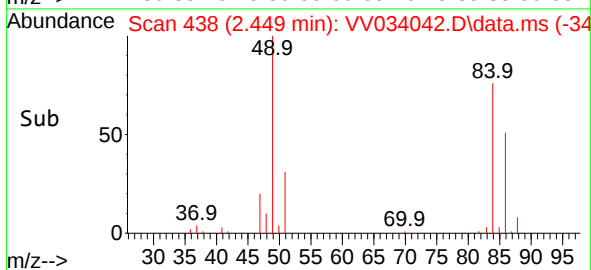
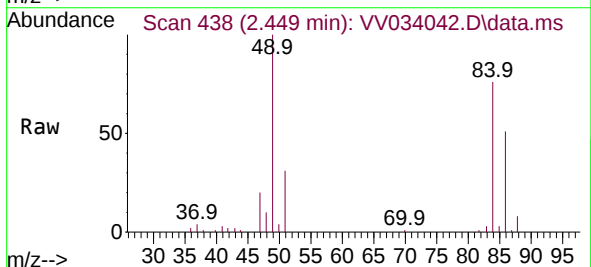
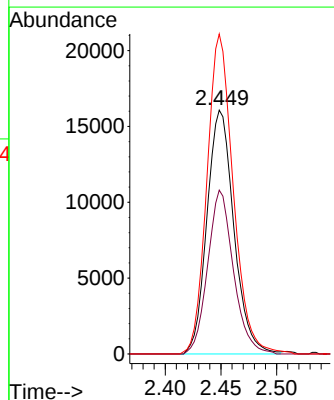


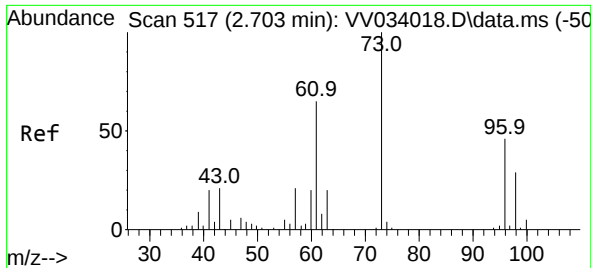
Tgt Ion: 43 Resp: 8455  
Ion Ratio Lower Upper  
43 100  
74 25.1 18.2 27.4



#16  
Methylene chloride  
Concen: 4.865 ug/L  
RT: 2.449 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion: 84 Resp: 27030  
Ion Ratio Lower Upper  
84 100  
86 67.2 44.7 83.1  
49 131.2 93.7 173.9

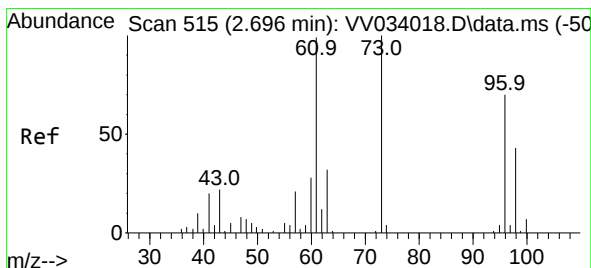
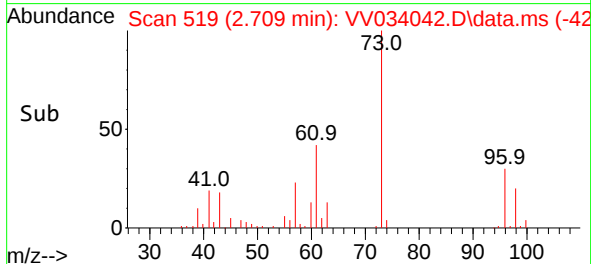
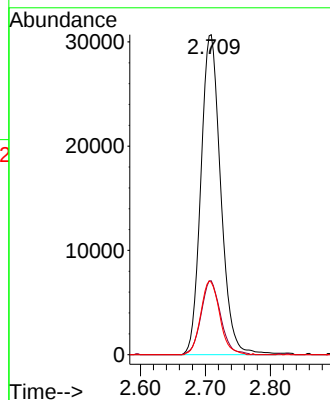
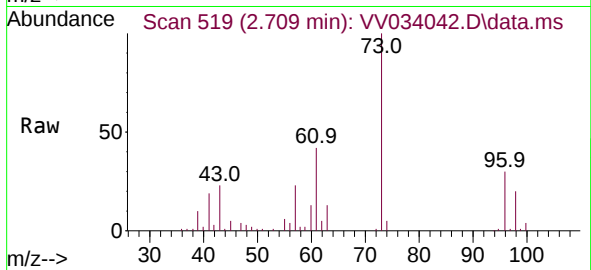




#17  
Methyl tert-butyl Ether  
Concen: 5.485 ug/L  
RT: 2.709 min Scan# 517  
Delta R.T. 0.006 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

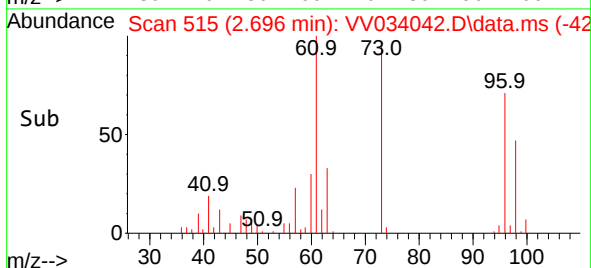
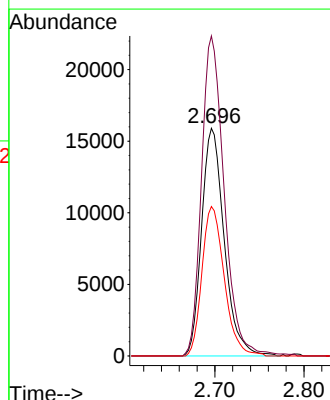
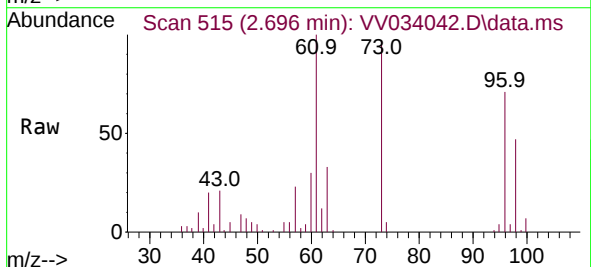
Instrument :  
MSVOA\_V  
ClientSampleId :

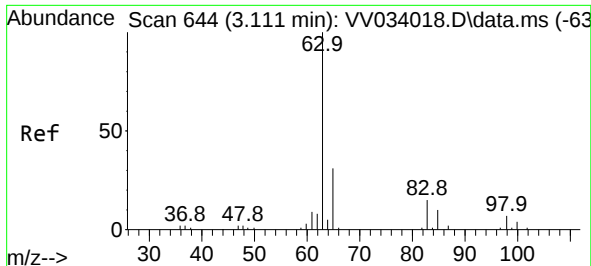
Tgt Ion: 73 Resp: 65254  
Ion Ratio Lower Upper  
73 100  
43 22.8 17.7 26.5  
57 22.2 17.9 26.9



#18  
trans-1,2-Dichloroethene  
Concen: 4.758 ug/L  
RT: 2.696 min Scan# 515  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion: 96 Resp: 28061  
Ion Ratio Lower Upper  
96 100  
61 140.6 97.6 181.4  
98 65.6 44.4 82.5





#19

1,1-Dichloroethane

Concen: 4.913 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

ClientSampleId :

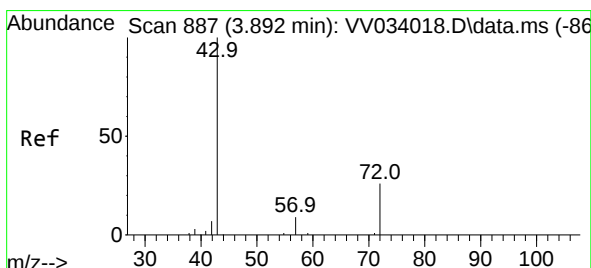
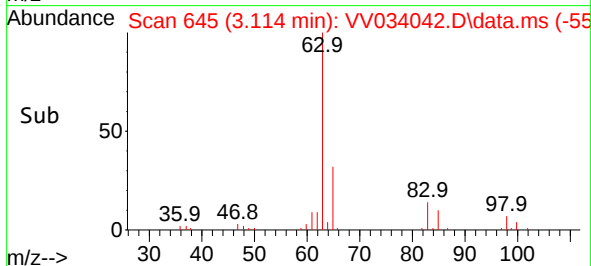
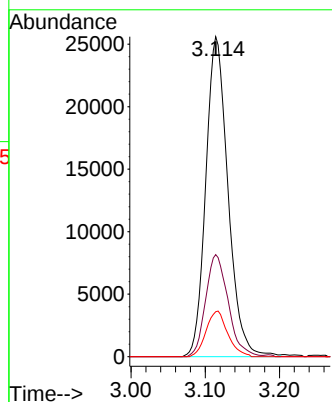
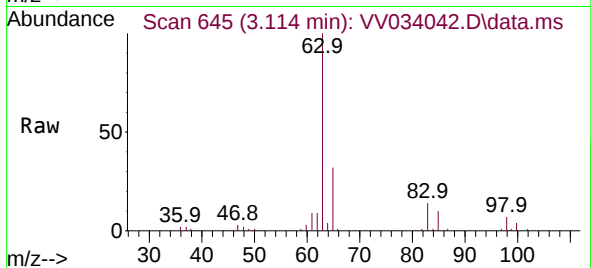
Tgt Ion: 63 Resp: 53245

Ion Ratio Lower Upper

63 100

65 32.6 20.8 38.6

83 14.0 9.4 17.4



#21

2-Butanone

Concen: 51.255 ug/L

RT: 3.873 min Scan# 881

Delta R.T. -0.019 min

Lab File: VV034042.D

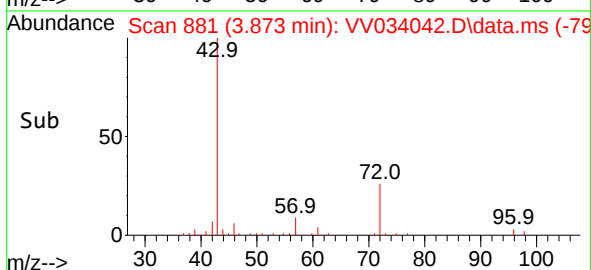
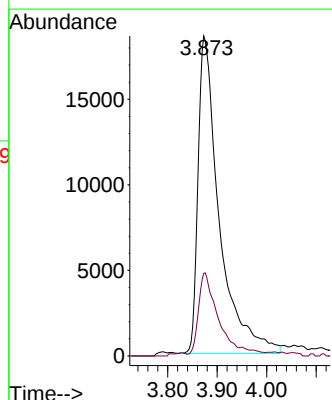
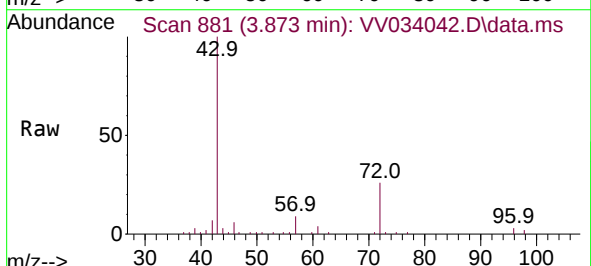
Acq: 07 Feb 2024 19:43

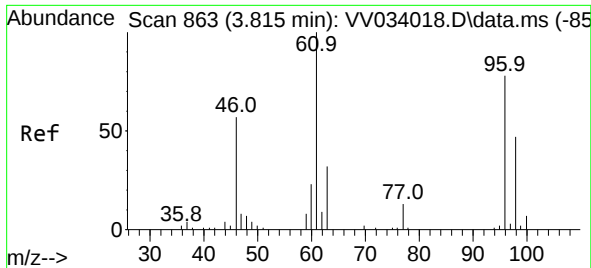
Tgt Ion: 43 Resp: 55401

Ion Ratio Lower Upper

43 100

72 22.1 4.0 11.9#





#22

cis-1,2-Dichloroethene

Concen: 4.650 ug/L

RT: 3.818 min Scan# 863

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

ClientSampleId :

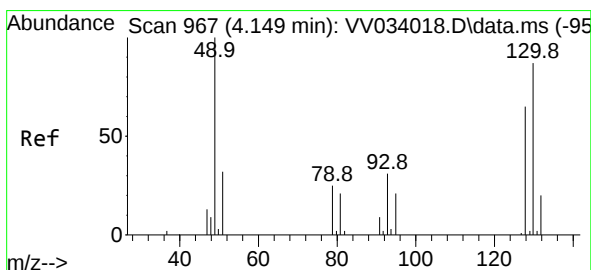
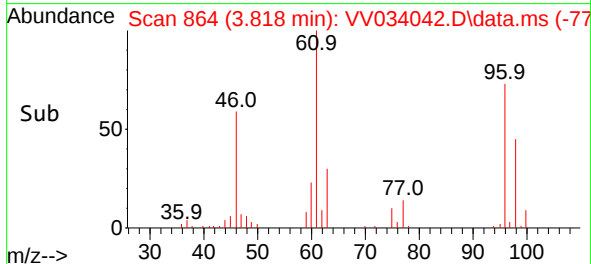
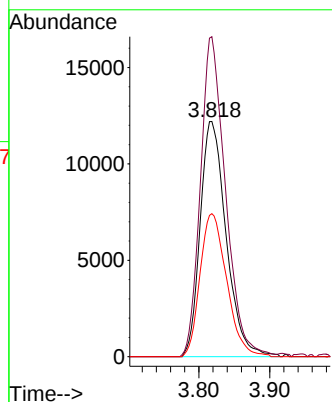
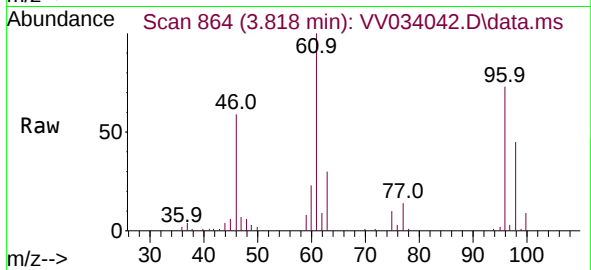
Tgt Ion: 96 Resp: 31117

Ion Ratio Lower Upper

96 100

61 136.1 90.3 167.7

98 60.8 43.2 80.2



#23

Bromochloromethane

Concen: 5.320 ug/L

RT: 4.153 min Scan# 968

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Tgt Ion: 128 Resp: 12376

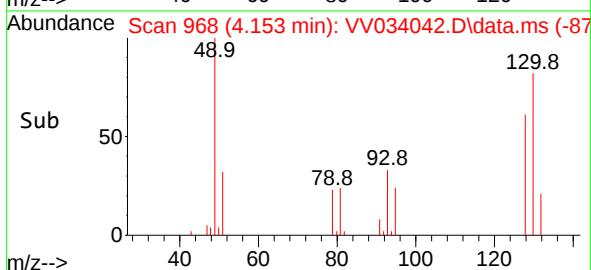
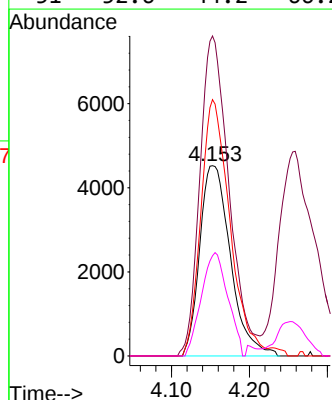
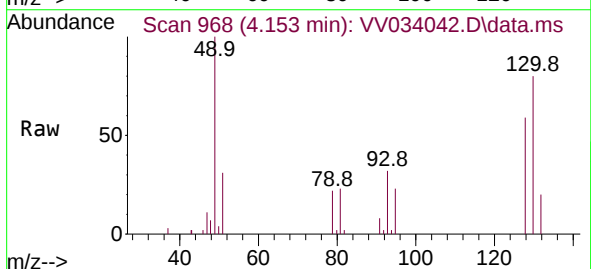
Ion Ratio Lower Upper

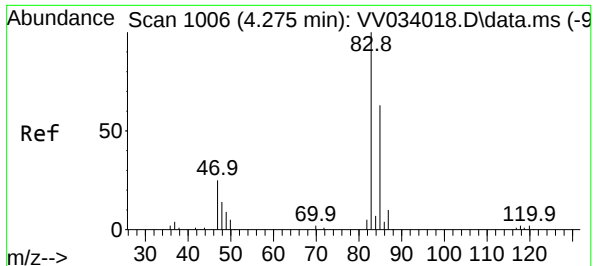
128 100

49 168.2 120.5 223.7

130 134.8 93.4 173.4

51 52.6 44.2 66.2

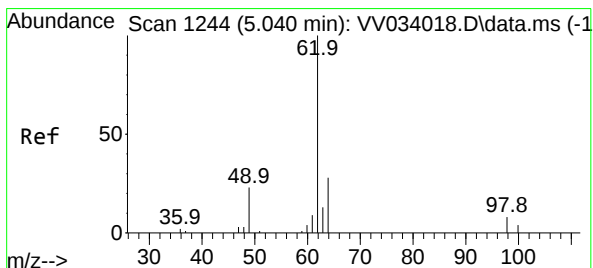
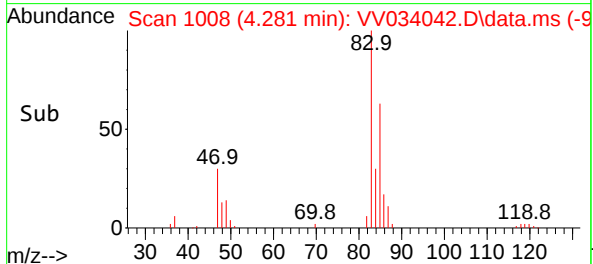
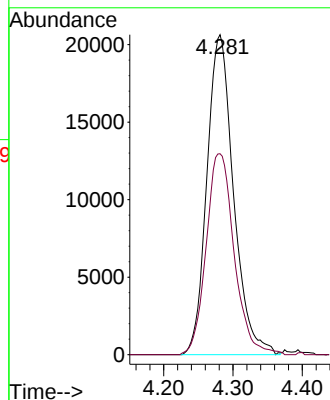
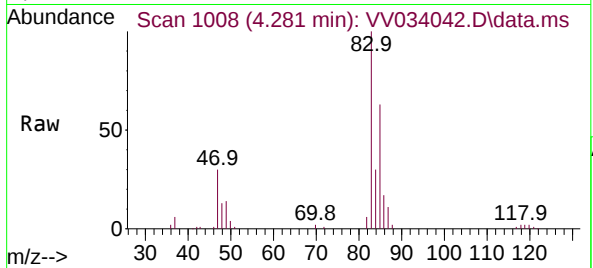




#25  
Chloroform  
Concen: 5.032 ug/L  
RT: 4.281 min Scan# 1006  
Delta R.T. 0.006 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

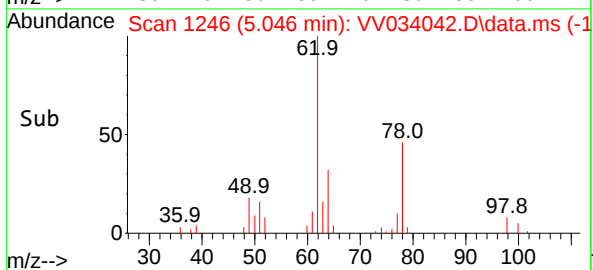
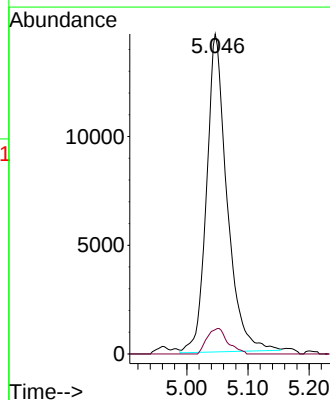
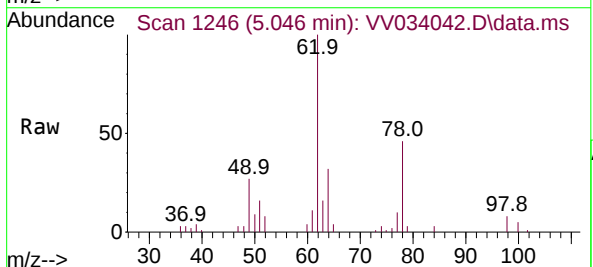
Instrument :  
MSVOA\_V  
ClientSampleId :

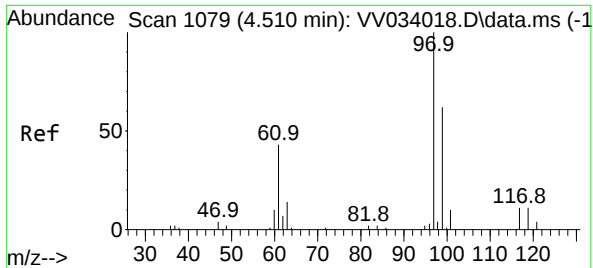
Tgt Ion: 83 Resp: 55124  
Ion Ratio Lower Upper  
83 100  
85 62.8 47.5 88.1



#27  
1,2-Dichloroethane  
Concen: 5.425 ug/L  
RT: 5.046 min Scan# 1246  
Delta R.T. 0.006 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion: 62 Resp: 34029  
Ion Ratio Lower Upper  
62 100  
98 7.6 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 5.097 ug/L

RT: 4.516 min Scan# 1101

Delta R.T. 0.006 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

ClientSampleId :

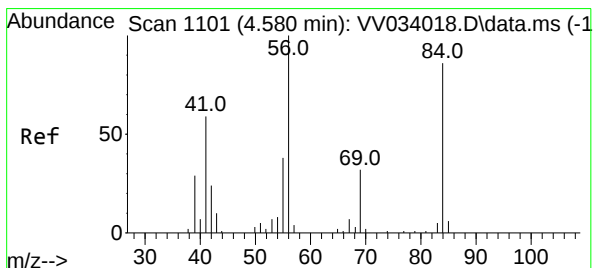
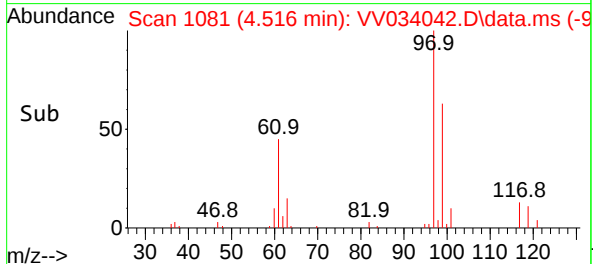
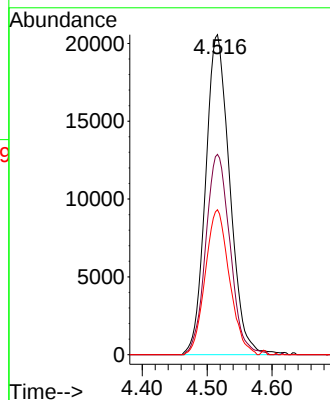
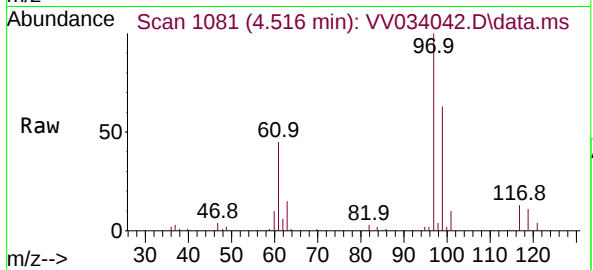
Tgt Ion: 97 Resp: 53201

Ion Ratio Lower Upper

97 100

99 62.9 50.6 75.8

61 45.2 36.8 55.2



#30

Cyclohexane

Concen: 4.625 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

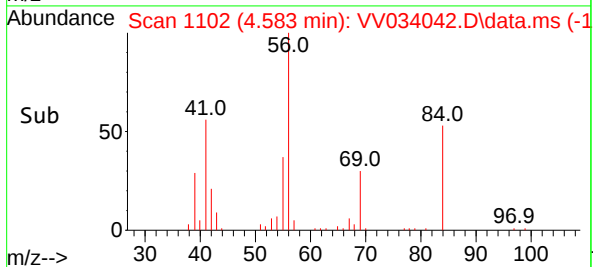
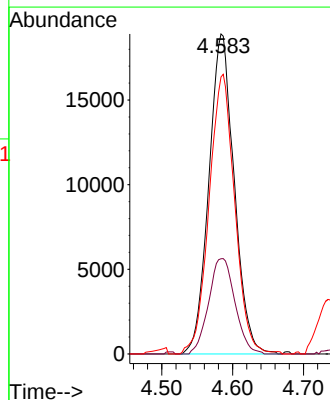
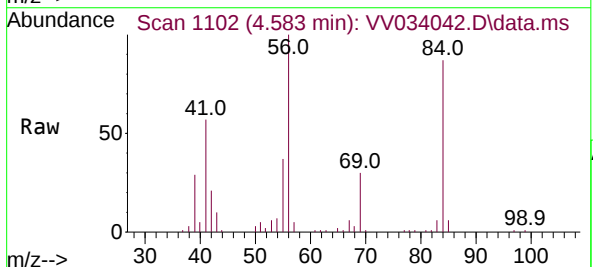
Tgt Ion: 56 Resp: 46943

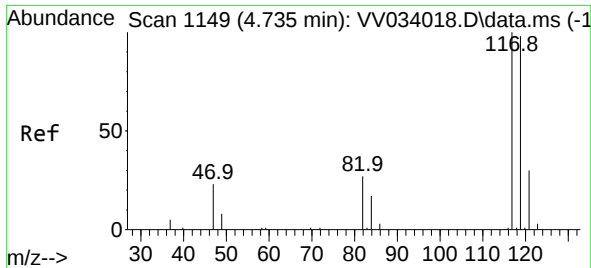
Ion Ratio Lower Upper

56 100

69 31.0 24.2 36.2

84 88.4 70.0 105.0

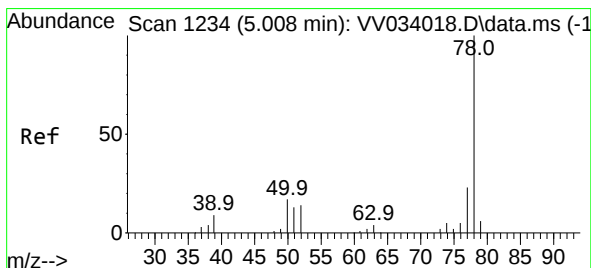
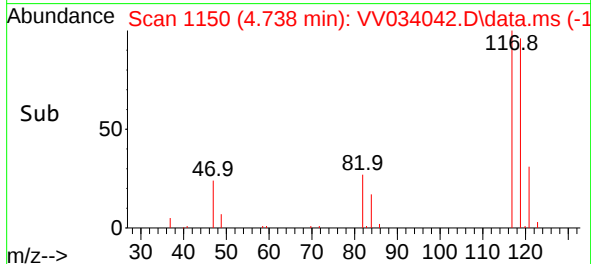
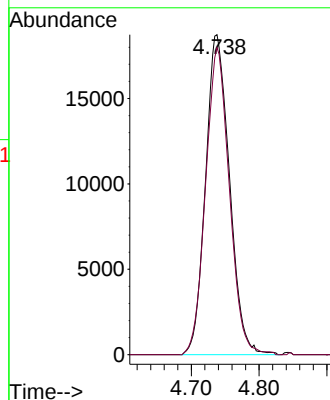
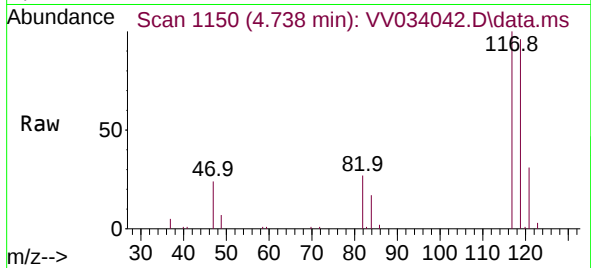




#31  
Carbon tetrachloride  
Concen: 5.038 ug/L  
RT: 4.738 min Scan# 1149  
Delta R.T. 0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

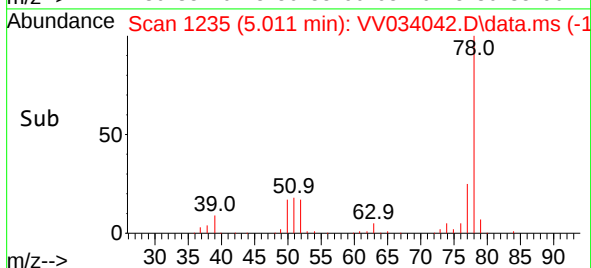
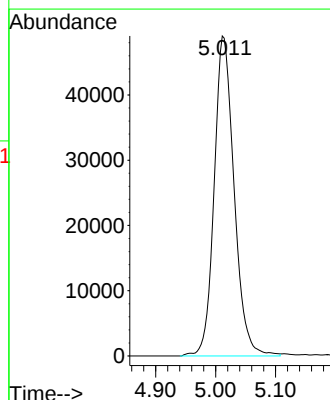
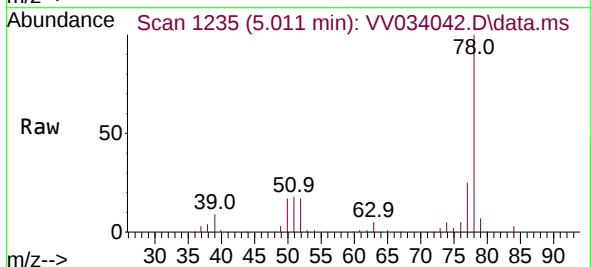
Instrument :  
MSVOA\_V  
ClientSampleId :

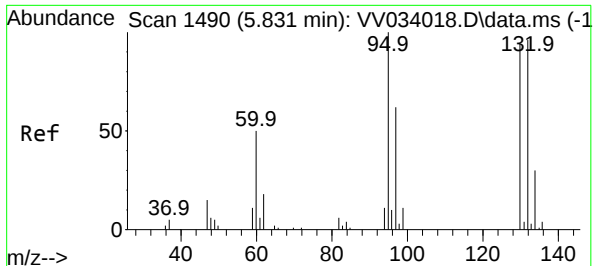
Tgt Ion:117 Resp: 46011  
Ion Ratio Lower Upper  
117 100  
119 94.9 76.1 114.1



#33  
Benzene  
Concen: 4.855 ug/L  
RT: 5.011 min Scan# 1235  
Delta R.T. 0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

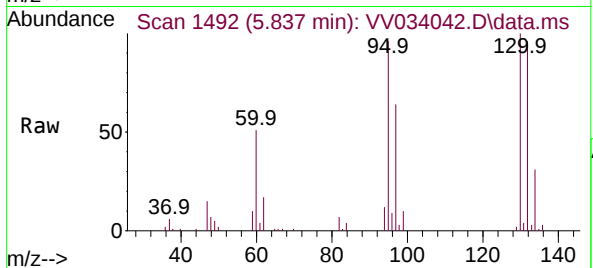
Tgt Ion: 78 Resp: 113198





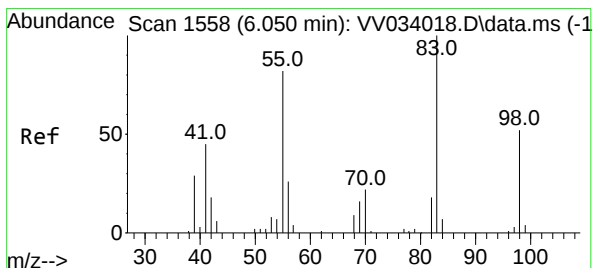
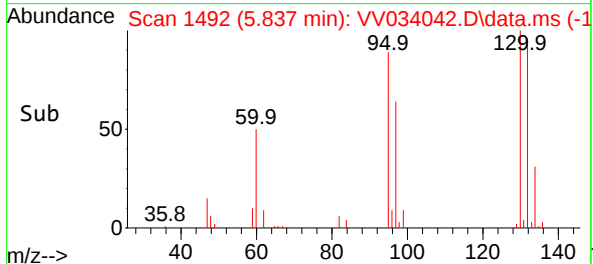
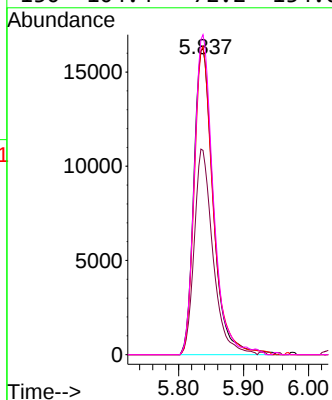
#34  
Trichloroethene  
Concen: 5.017 ug/L  
RT: 5.837 min Scan# 1492  
Delta R.T. 0.006 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 95 Resp: 33859

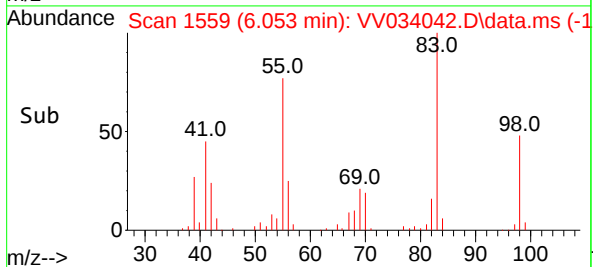
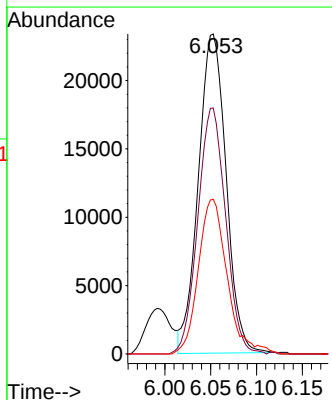
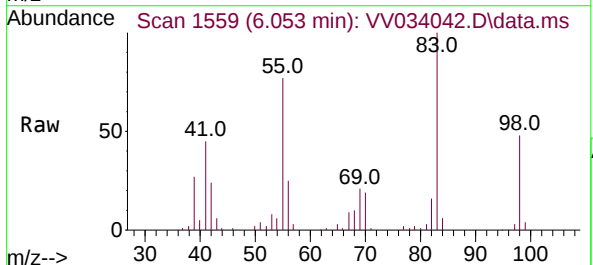
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.6  | 45.1  | 83.7  |
| 132 | 100.5 | 66.0  | 122.6 |
| 130 | 104.4 | 72.2  | 134.0 |

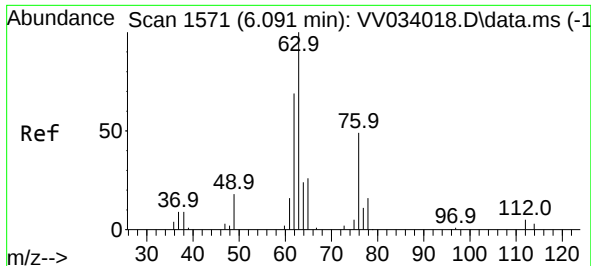


#35  
Methylcyclohexane  
Concen: 4.642 ug/L  
RT: 6.053 min Scan# 1559  
Delta R.T. 0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion: 83 Resp: 49173

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 77.3  | 63.5  | 95.3  |
| 98  | 50.3  | 39.0  | 58.4  |





#37

1,2-Dichloropropane

Concen: 4.778 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

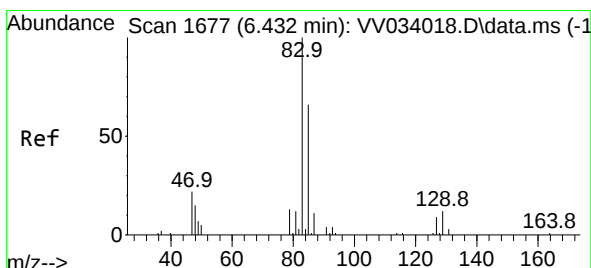
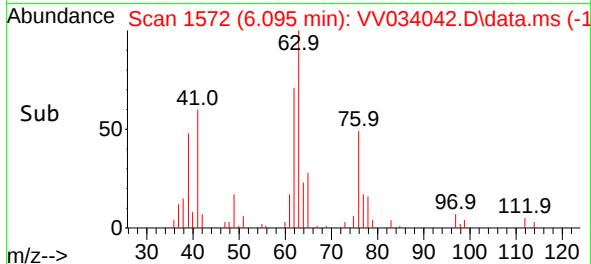
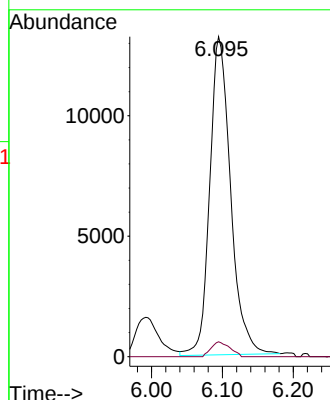
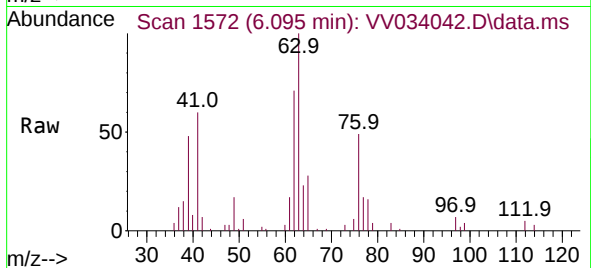
ClientSampleId :

Tgt Ion: 63 Resp: 26988

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



#38

Bromodichloromethane

Concen: 5.170 ug/L

RT: 6.435 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

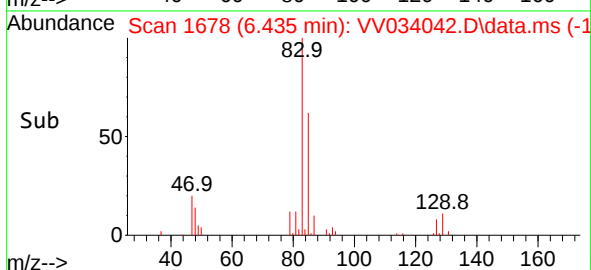
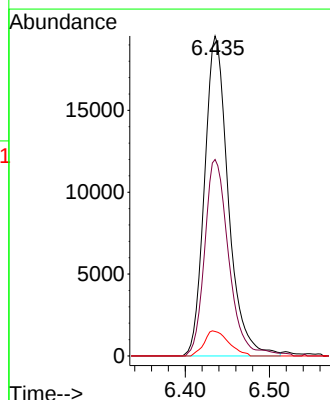
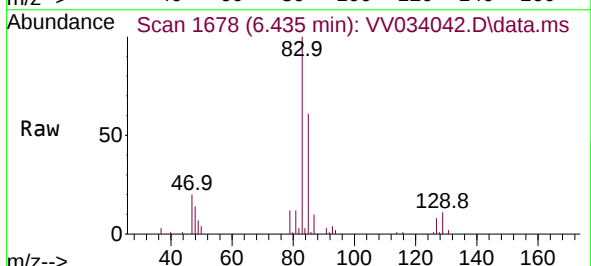
Tgt Ion: 83 Resp: 38331

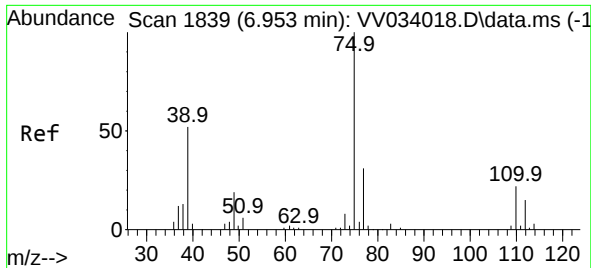
Ion Ratio Lower Upper

83 100

85 61.4 45.4 84.2

127 7.7 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 4.986 ug/L

RT: 6.956 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

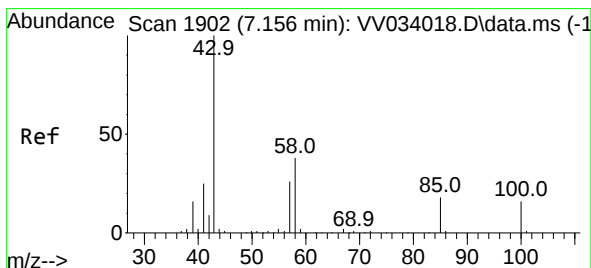
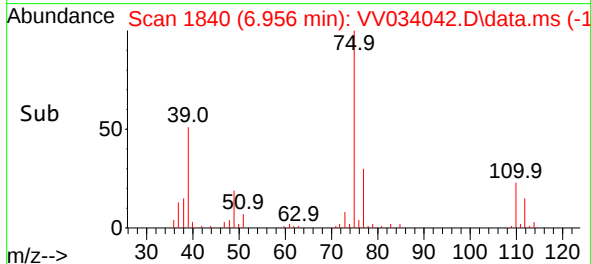
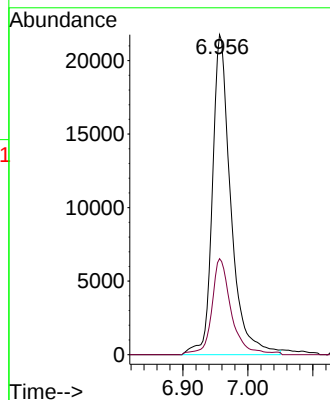
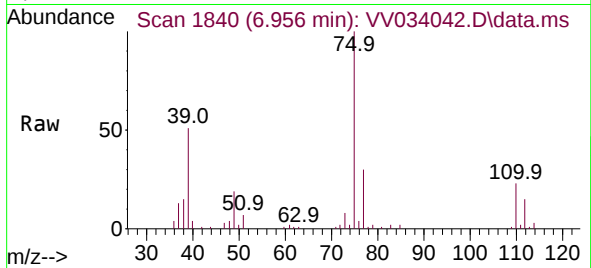
ClientSampleId :

Tgt Ion: 75 Resp: 42847

Ion Ratio Lower Upper

75 100

77 30.0 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 54.694 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

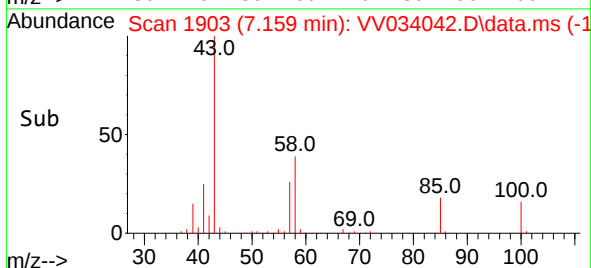
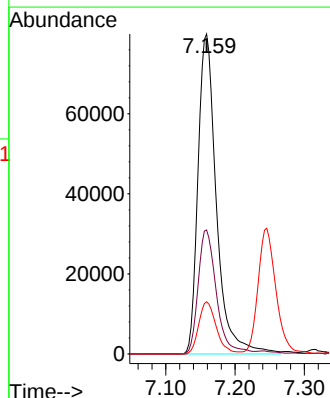
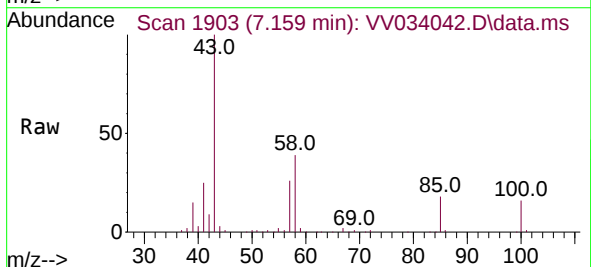
Tgt Ion: 43 Resp: 147929

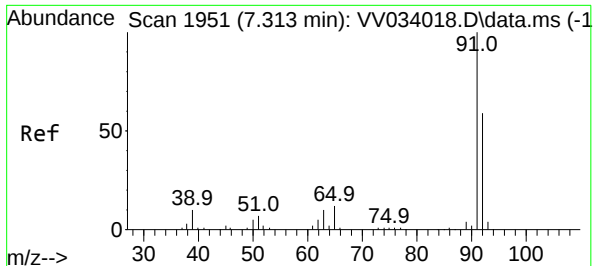
Ion Ratio Lower Upper

43 100

58 38.4 30.2 45.2

100 15.6 12.1 18.1





#42

Toluene

Concen: 5.306 ug/L

RT: 7.316 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

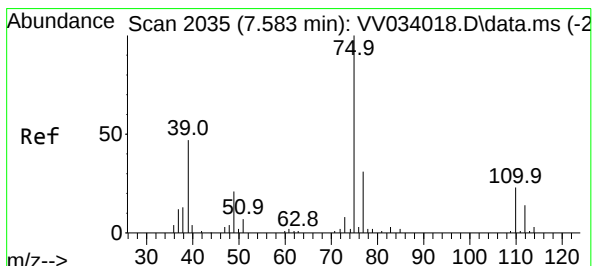
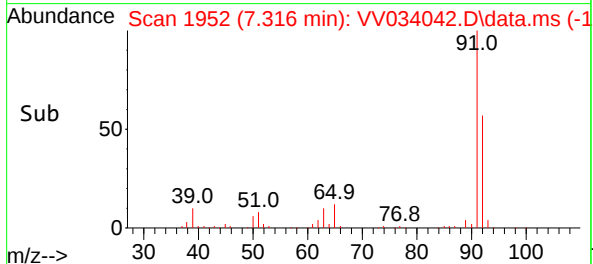
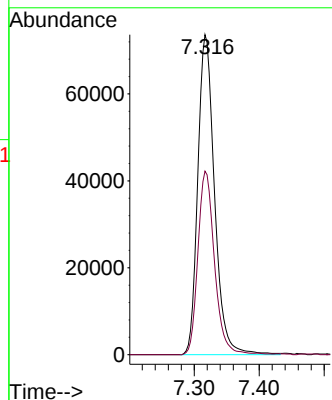
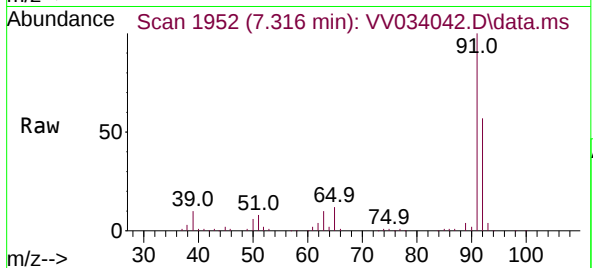
ClientSampleId :

Tgt Ion: 91 Resp: 132239

Ion Ratio Lower Upper

91 100

92 57.4 42.1 78.3



#44

trans-1,3-Dichloropropene

Concen: 5.183 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV034042.D

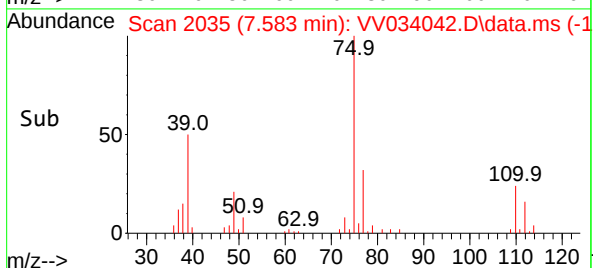
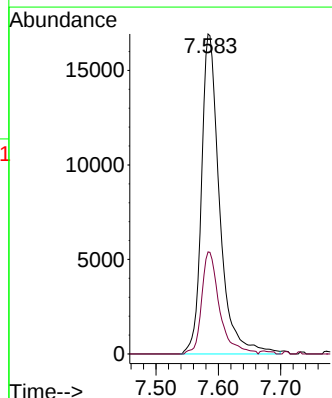
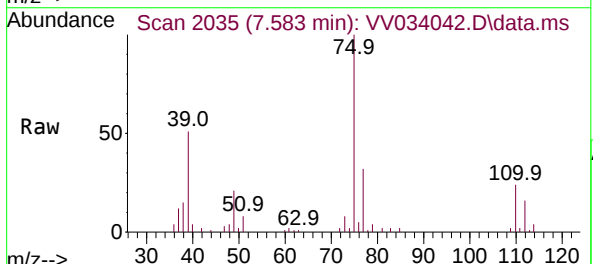
Acq: 07 Feb 2024 19:43

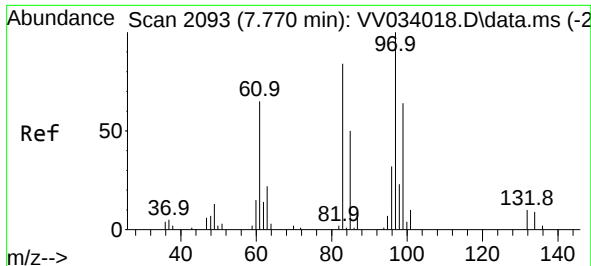
Tgt Ion: 75 Resp: 34198

Ion Ratio Lower Upper

75 100

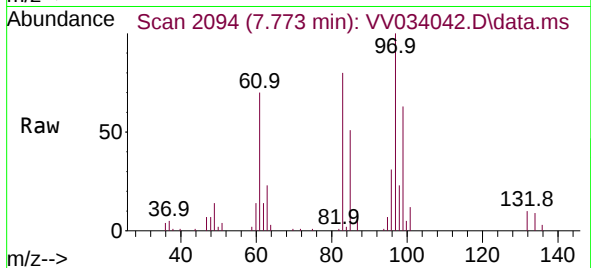
77 31.9 22.2 41.2



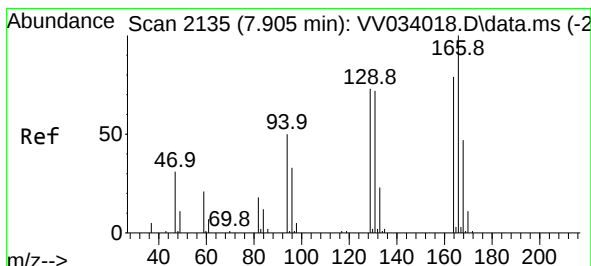
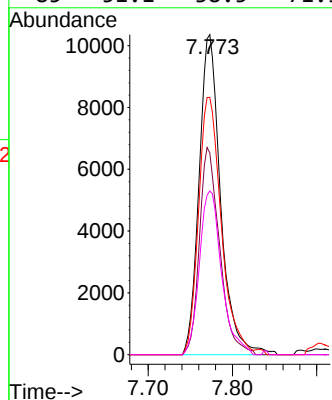
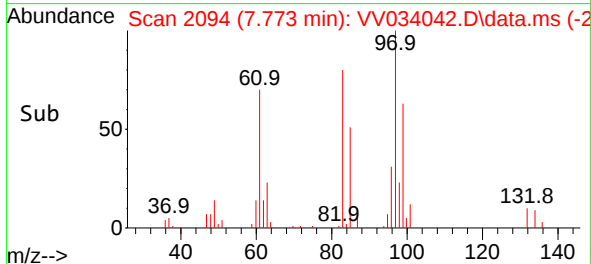


#45  
1,1,2-Trichloroethane  
Concen: 5.287 ug/L  
RT: 7.773 min Scan# 2093  
Delta R.T. 0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

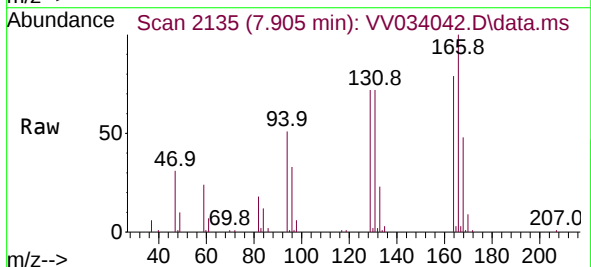
Instrument :  
MSVOA\_V  
ClientSampleId :



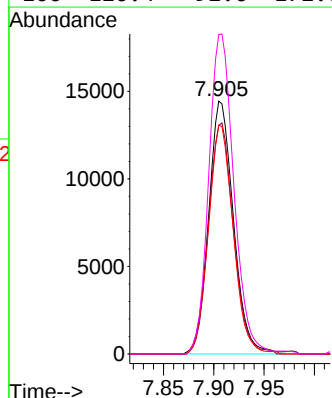
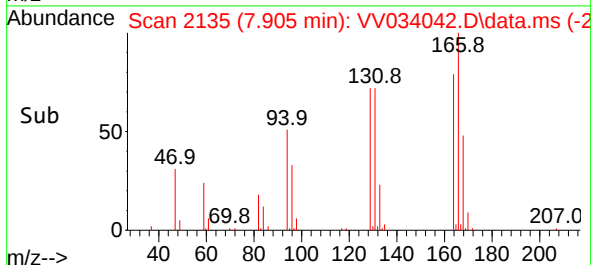
| Tgt Ion:  | 97    | Resp: | 18438 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 63.1  | 45.6  | 84.6  |
| 83        | 80.4  | 62.3  | 115.7 |
| 85        | 51.1  | 38.5  | 71.5  |

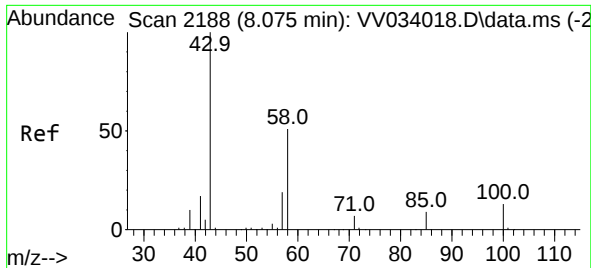


#47  
Tetrachloroethene  
Concen: 4.544 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43



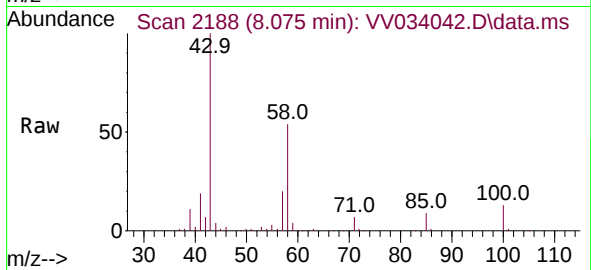
| Tgt Ion:  | 164   | Resp: | 24917 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 129       | 90.4  | 67.8  | 125.8 |
| 131       | 90.5  | 63.0  | 117.0 |
| 166       | 126.4 | 92.6  | 172.0 |



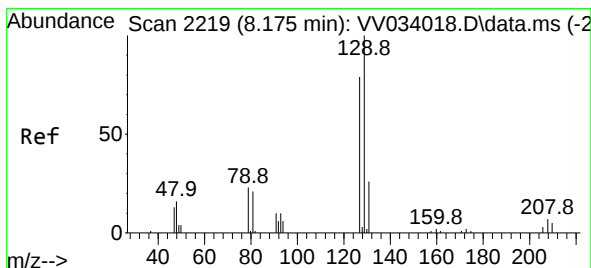
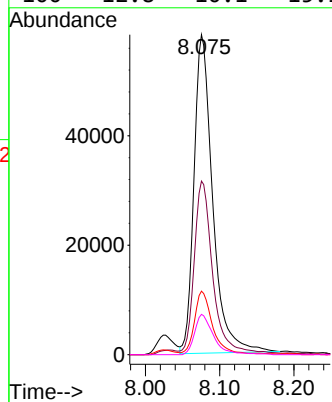
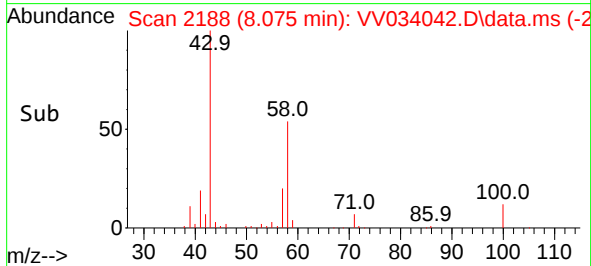


#48  
2-Hexanone  
Concen: 53.583 ug/L  
RT: 8.075 min Scan# 2188  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Instrument :  
MSVOA\_V  
ClientSampleId :

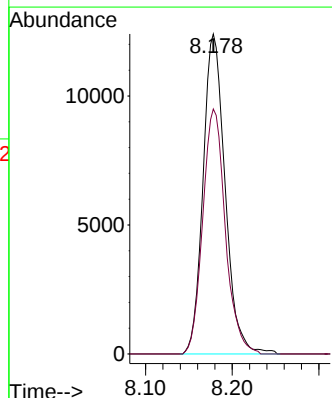
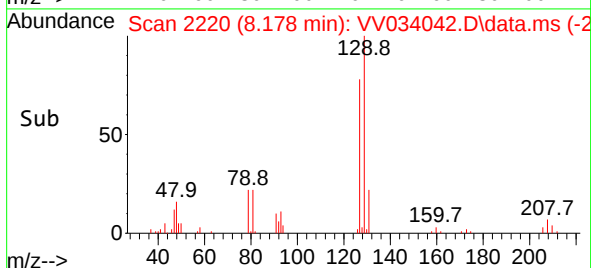
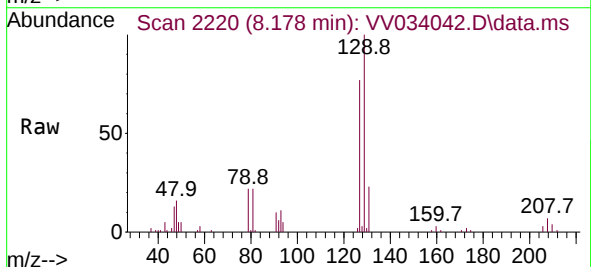


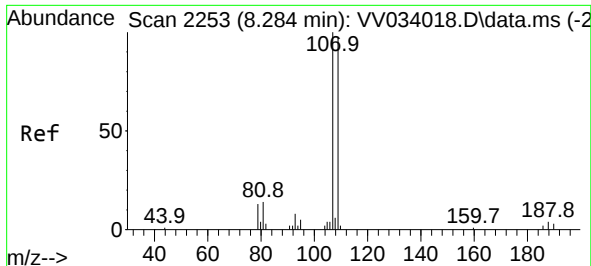
Tgt Ion: 43 Resp: 102156  
Ion Ratio Lower Upper  
43 100  
58 53.5 42.6 64.0  
57 18.4 15.5 23.3  
100 12.8 10.1 15.1



#49  
Dibromochloromethane  
Concen: 5.294 ug/L  
RT: 8.178 min Scan# 2220  
Delta R.T. 0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion: 129 Resp: 21941  
Ion Ratio Lower Upper  
129 100  
127 76.5 53.5 99.5

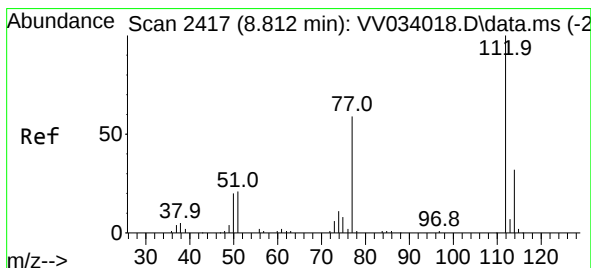
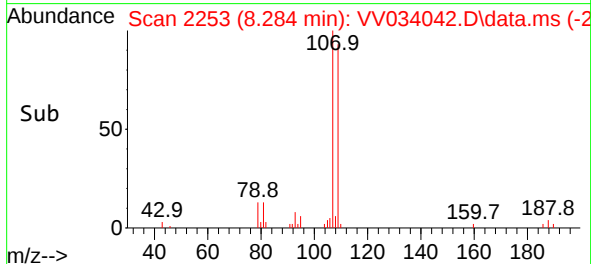
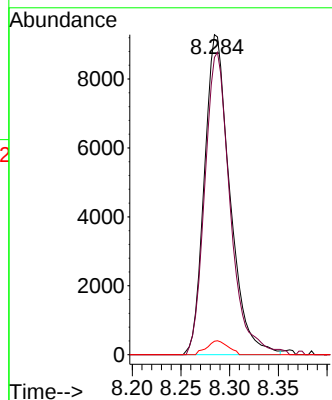
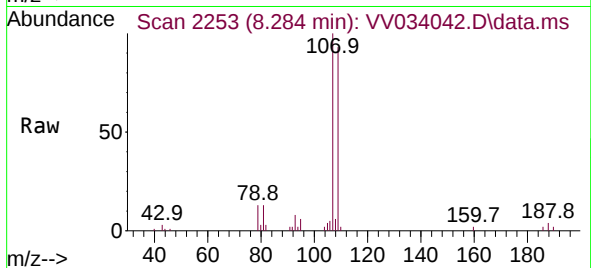




#50  
1,2-Dibromoethane  
Concen: 5.410 ug/L  
RT: 8.284 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

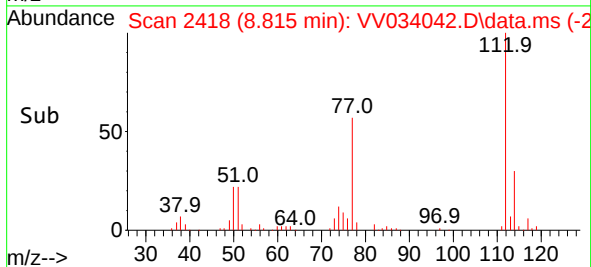
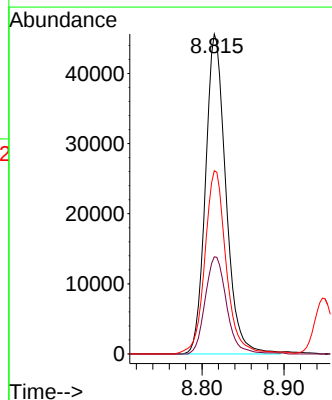
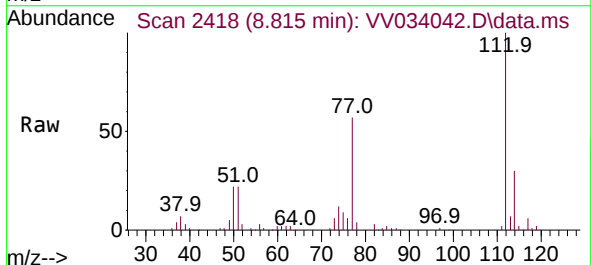
Instrument :  
MSVOA\_V  
ClientSampleId :

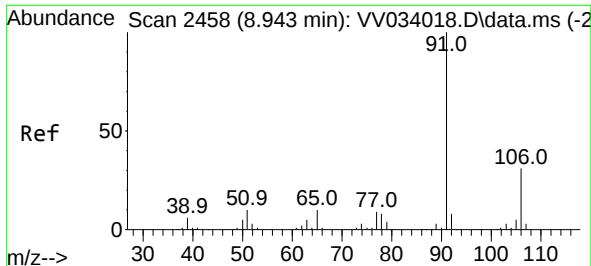
Tgt Ion:107 Resp: 16934  
Ion Ratio Lower Upper  
107 100  
109 92.9 64.5 119.9  
188 4.2 2.6 4.0#



#51  
Chlorobenzene  
Concen: 4.998 ug/L  
RT: 8.815 min Scan# 2418  
Delta R.T. 0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion:112 Resp: 78743  
Ion Ratio Lower Upper  
112 100  
114 30.3 22.5 41.7  
77 57.3 48.1 72.1

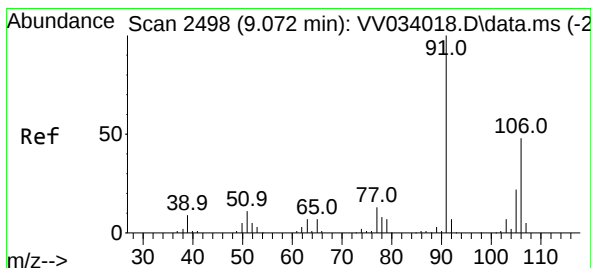
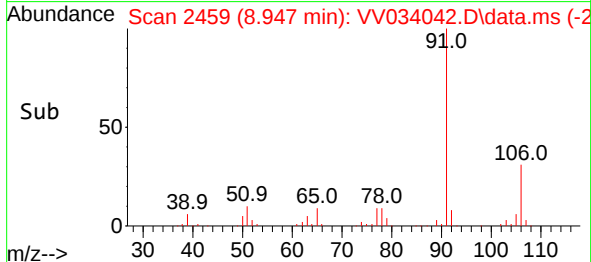
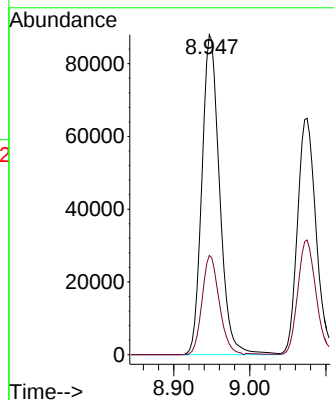
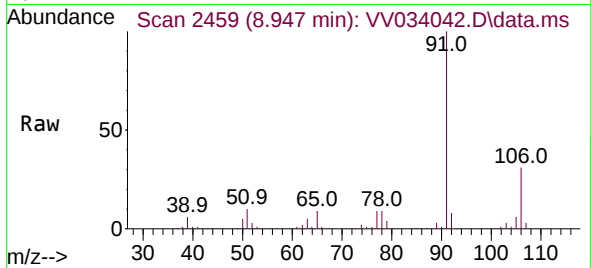




#52  
Ethylbenzene  
Concen: 4.957 ug/L  
RT: 8.947 min Scan# 2458  
Delta R.T. 0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

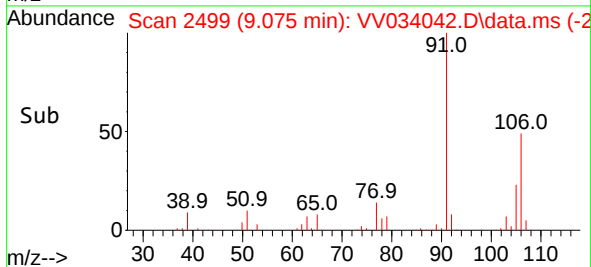
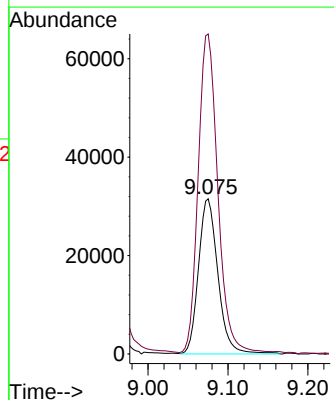
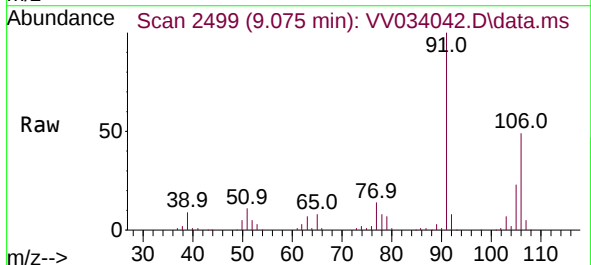
Instrument :  
MSVOA\_V  
ClientSampleId :

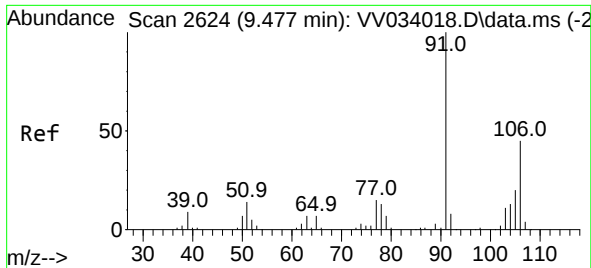
Tgt Ion: 91 Resp: 142198  
Ion Ratio Lower Upper  
91 100  
106 31.0 21.4 39.8



#53  
m,p-Xylene  
Concen: 4.935 ug/L  
RT: 9.075 min Scan# 2499  
Delta R.T. 0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion:106 Resp: 53494  
Ion Ratio Lower Upper  
106 100  
91 206.1 147.5 273.9

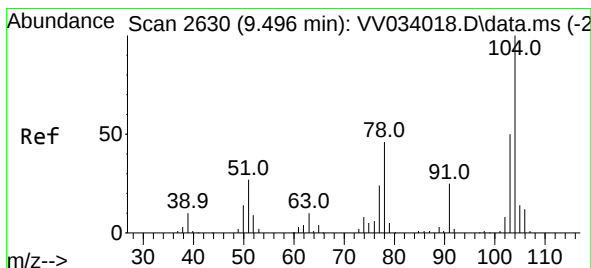
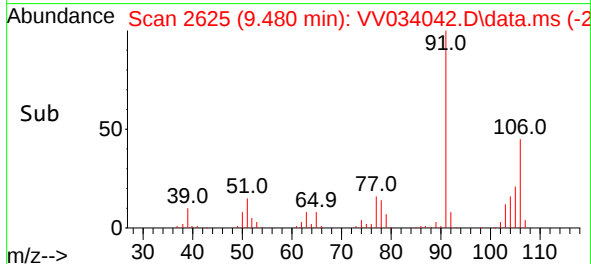
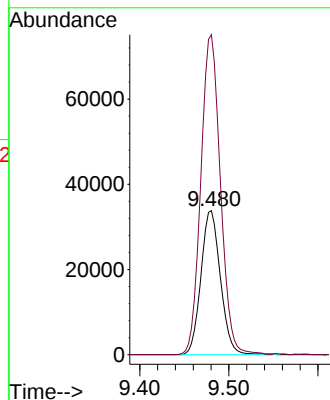
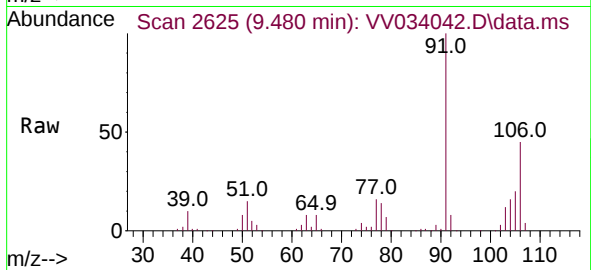




#54  
o-Xylene  
Concen: 4.914 ug/L  
RT: 9.480 min Scan# 2625  
Delta R.T. 0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

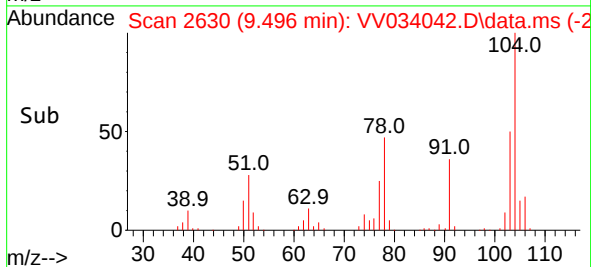
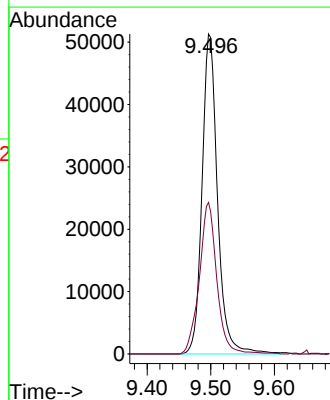
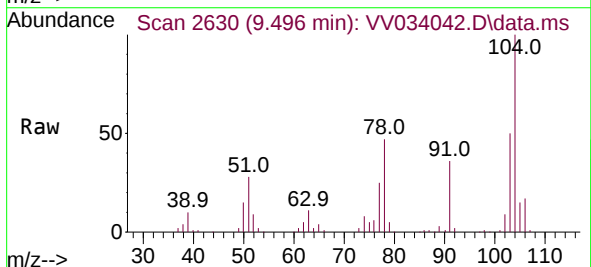
Instrument :  
MSVOA\_V  
ClientSampleId :

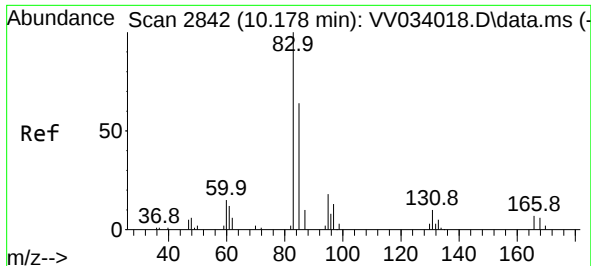
Tgt Ion:106 Resp: 51368  
Ion Ratio Lower Upper  
106 100  
91 222.1 156.2 290.0



#55  
Styrene  
Concen: 5.181 ug/L  
RT: 9.496 min Scan# 2630  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion:104 Resp: 86705  
Ion Ratio Lower Upper  
104 100  
78 47.4 32.9 61.1





#57

1,1,2,2-Tetrachloroethane

Concen: 5.602 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

ClientSampleId :

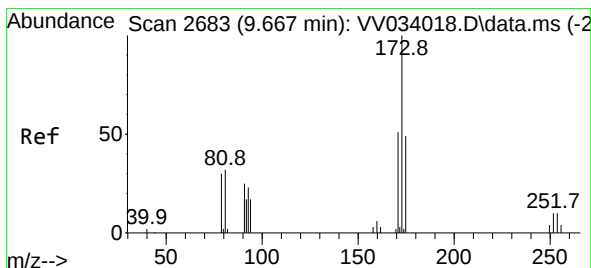
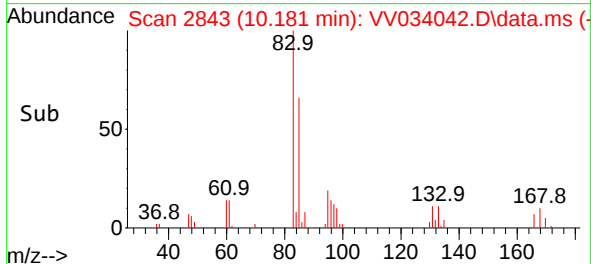
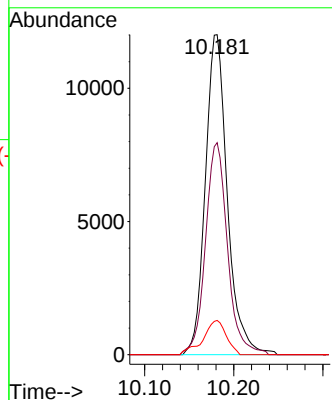
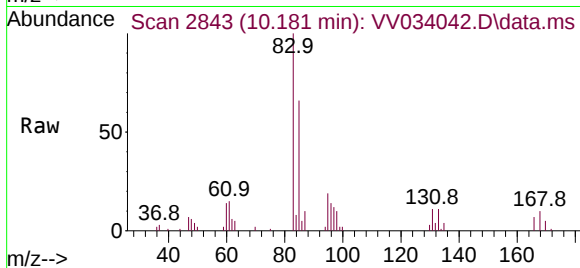
Tgt Ion: 83 Resp: 20620

Ion Ratio Lower Upper

83 100

85 66.2 46.5 86.3

131 10.7 8.4 12.6



#59

Bromoform

Concen: 5.002 ug/L

RT: 9.667 min Scan# 2683

Delta R.T. -0.000 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

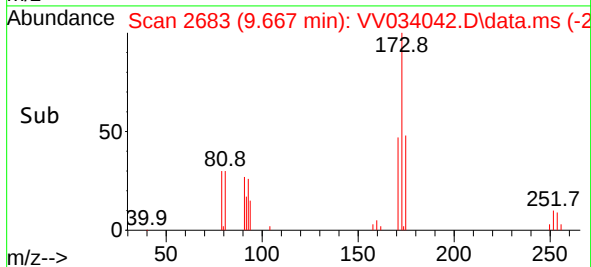
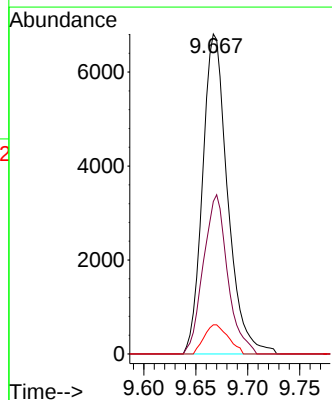
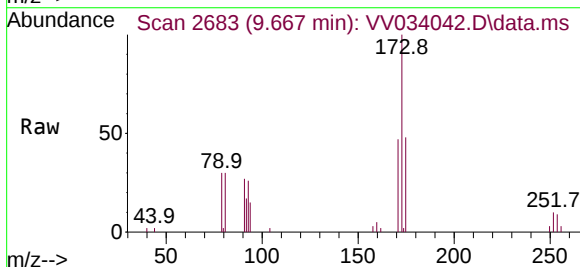
Tgt Ion: 173 Resp: 11409

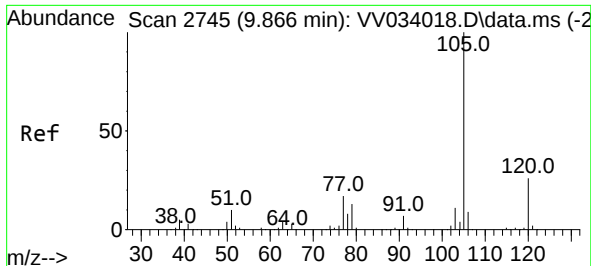
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

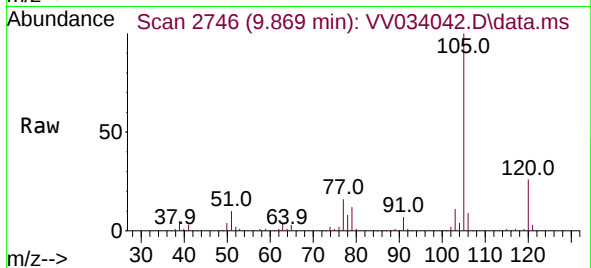
254 8.7 7.2 10.8



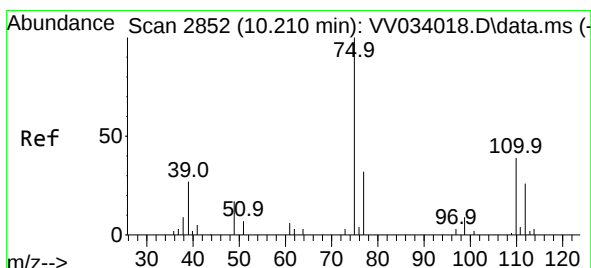
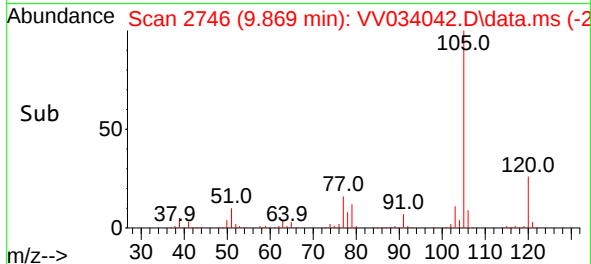
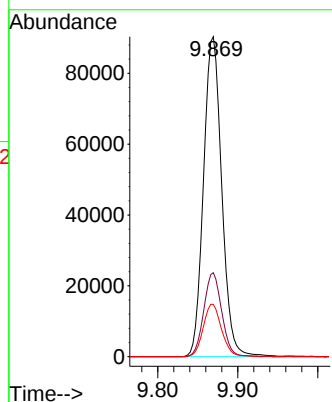


#60  
Isopropylbenzene  
Concen: 4.682 ug/L  
RT: 9.869 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Instrument :  
MSVOA\_V  
ClientSampleId :

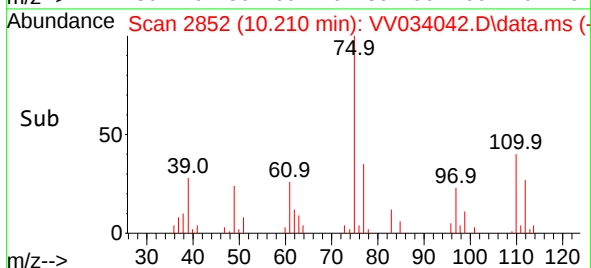
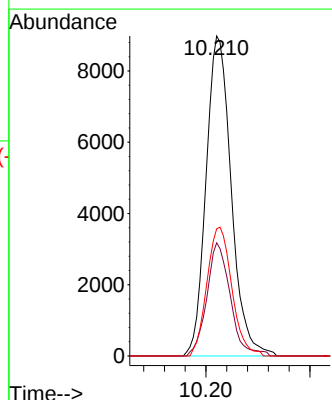
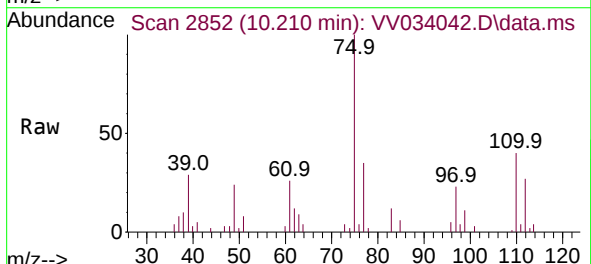


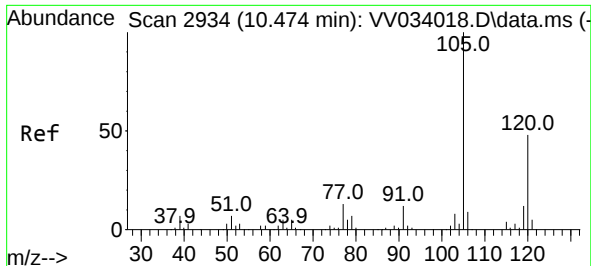
Tgt Ion:105 Resp: 143433  
Ion Ratio Lower Upper  
105 100  
120 25.8 20.7 31.1  
77 16.6 13.0 19.6



#61  
1,2,3-Trichloropropane  
Concen: 5.303 ug/L  
RT: 10.210 min Scan# 2852  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

Tgt Ion: 75 Resp: 15095  
Ion Ratio Lower Upper  
75 100  
77 33.0 26.9 40.3  
110 39.8 33.3 49.9





#62

1,3,5-Trimethylbenzene

Concen: 4.698 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

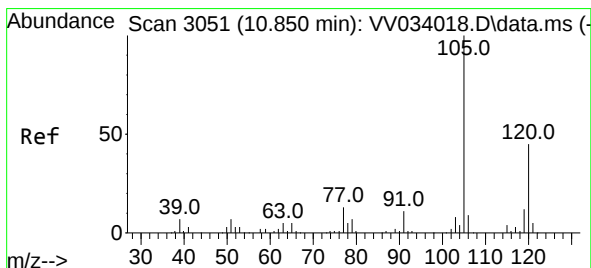
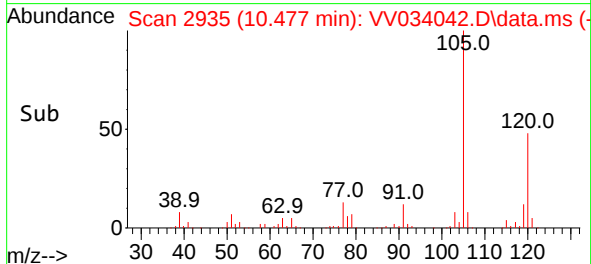
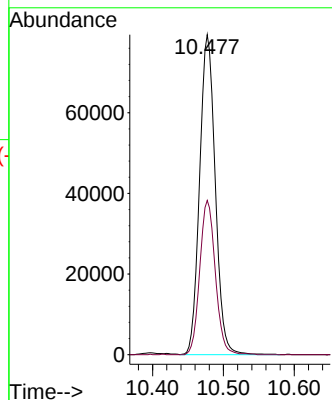
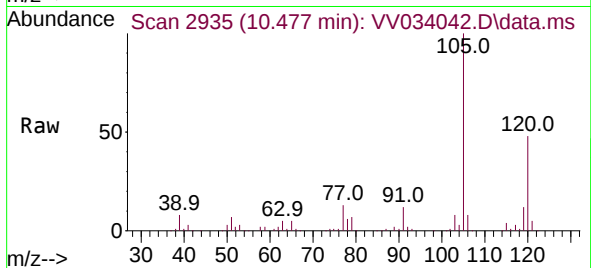
ClientSampleId :

Tgt Ion:105 Resp: 121683

Ion Ratio Lower Upper

105 100

120 47.9 38.2 57.4



#63

1,2,4-Trimethylbenzene

Concen: 4.713 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VV034042.D

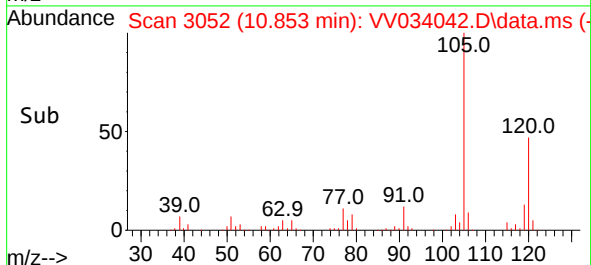
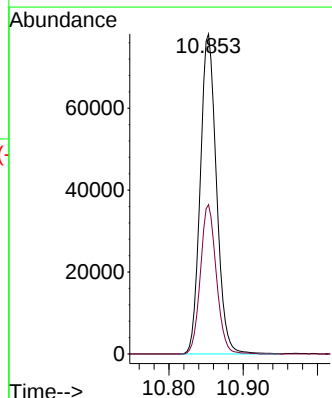
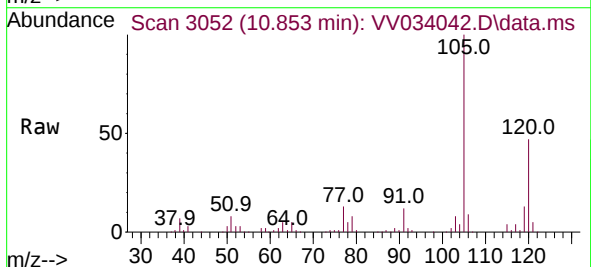
Acq: 07 Feb 2024 19:43

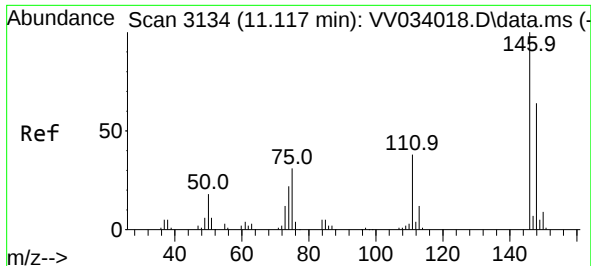
Tgt Ion:105 Resp: 118621

Ion Ratio Lower Upper

105 100

120 45.8 36.2 54.2

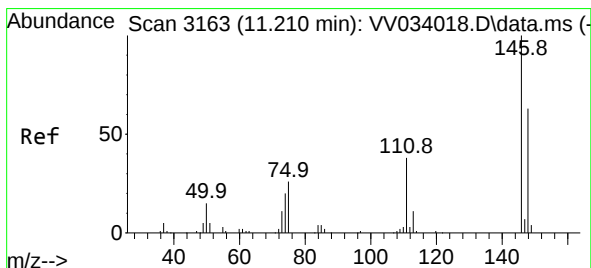
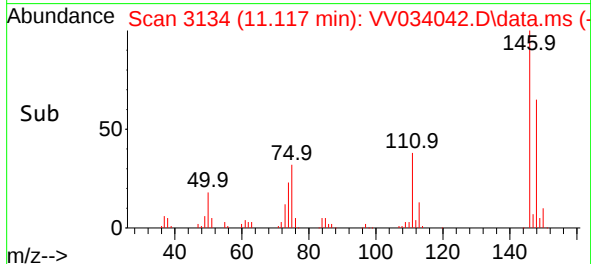
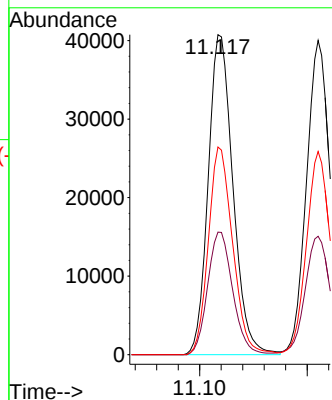
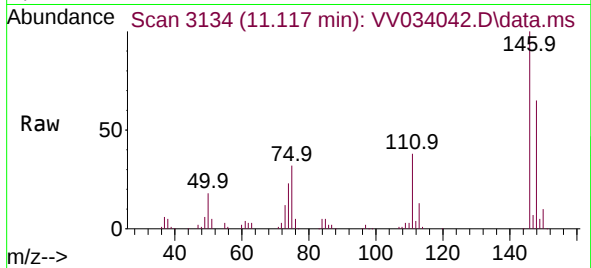




#64  
1,3-Dichlorobenzene  
Concen: 4.878 ug/L  
RT: 11.117 min Scan# 3134  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

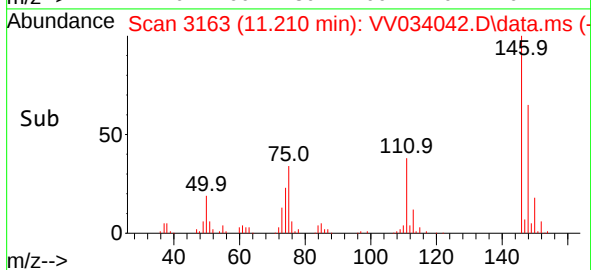
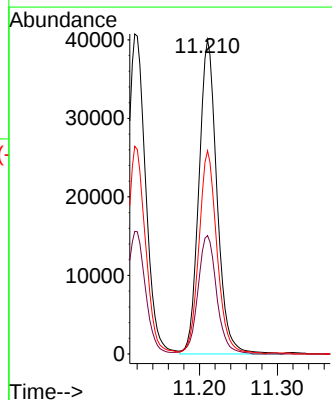
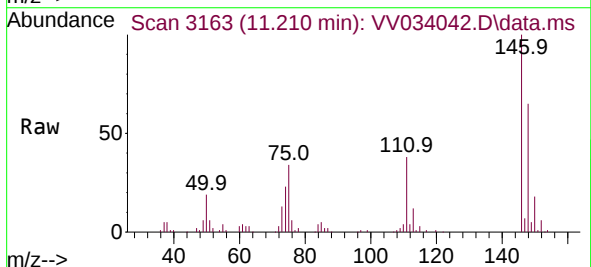
Instrument :  
MSVOA\_V  
ClientSampleId :

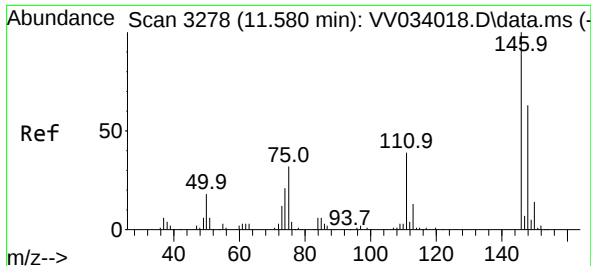
Tgt Ion:146 Resp: 65160  
Ion Ratio Lower Upper  
146 100  
111 38.3 28.5 52.9  
148 64.9 44.4 82.4



#65  
1,4-Dichlorobenzene  
Concen: 4.878 ug/L  
RT: 11.210 min Scan# 3163  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

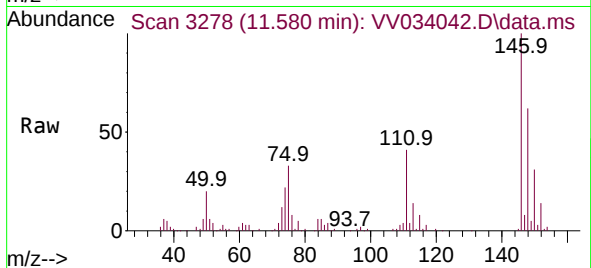
Tgt Ion:146 Resp: 64527  
Ion Ratio Lower Upper  
146 100  
111 37.7 27.6 51.4  
148 64.7 44.8 83.2



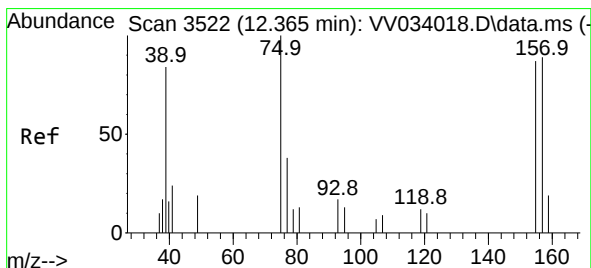
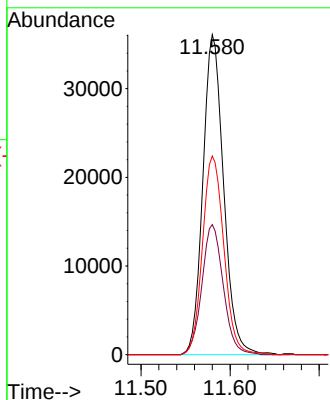
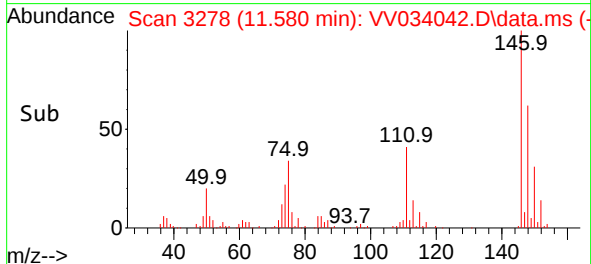


#67  
1,2-Dichlorobenzene  
Concen: 5.088 ug/L  
RT: 11.580 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43

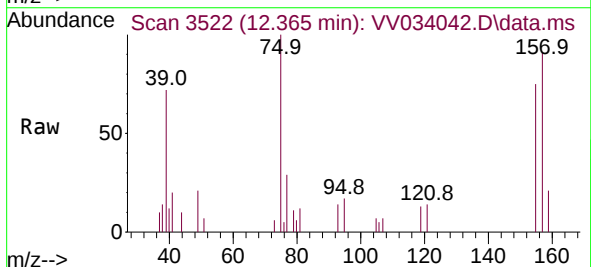
Instrument :  
MSVOA\_V  
ClientSampleId :



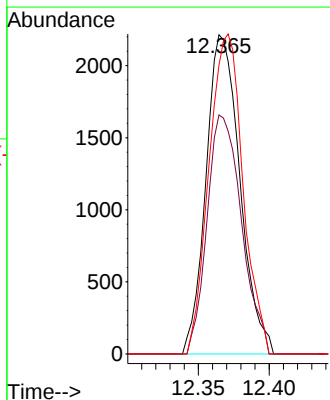
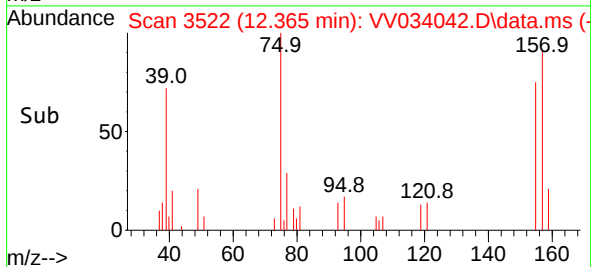
Tgt Ion:146 Resp: 58369  
Ion Ratio Lower Upper  
146 100  
111 40.6 31.2 46.8  
148 62.1 49.8 74.8

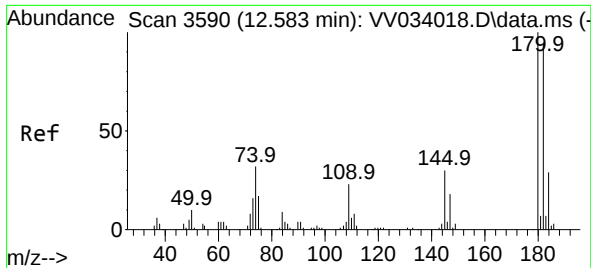


#68  
1,2-Dibromo-3-chloropropane  
Concen: 6.170 ug/L  
RT: 12.365 min Scan# 3522  
Delta R.T. -0.000 min  
Lab File: VV034042.D  
Acq: 07 Feb 2024 19:43



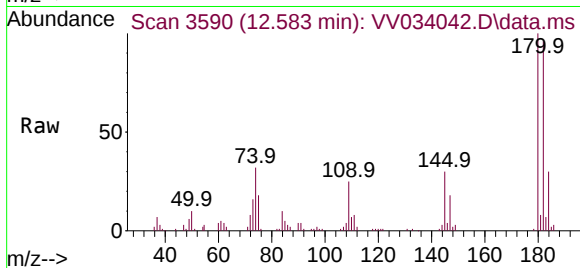
Tgt Ion: 75 Resp: 3681  
Ion Ratio Lower Upper  
75 100  
155 74.9 68.9 103.3  
157 90.5 84.6 127.0



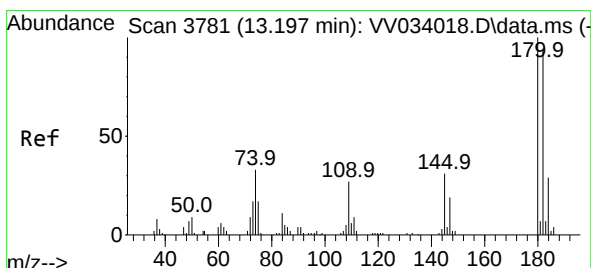
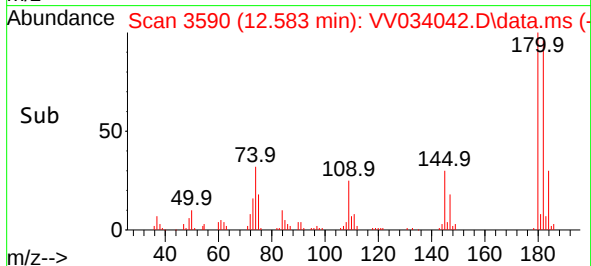
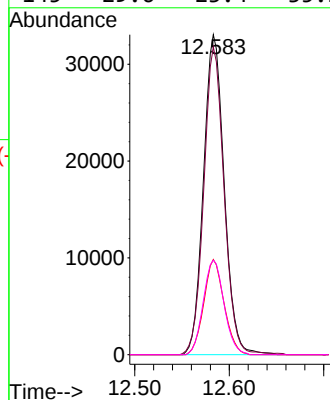


#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.862 ug/L  
 RT: 12.583 min Scan# 3590  
 Delta R.T. -0.000 min  
 Lab File: VV034042.D  
 Acq: 07 Feb 2024 19:43

Instrument :  
 MSVOA\_V  
 ClientSampleId :

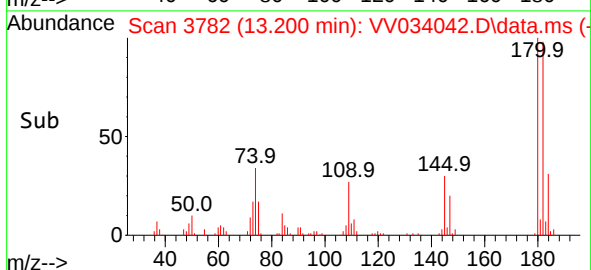
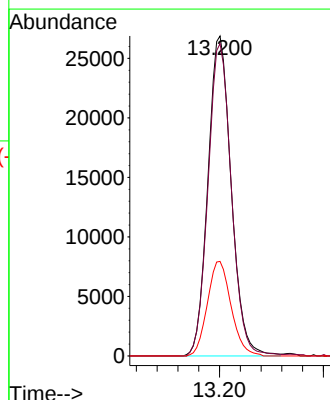
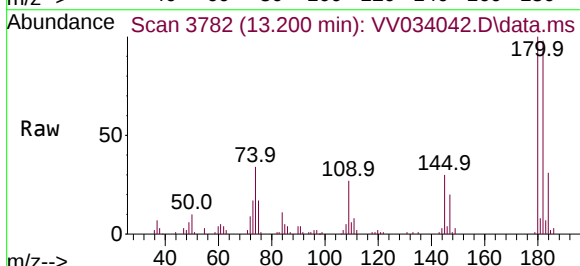


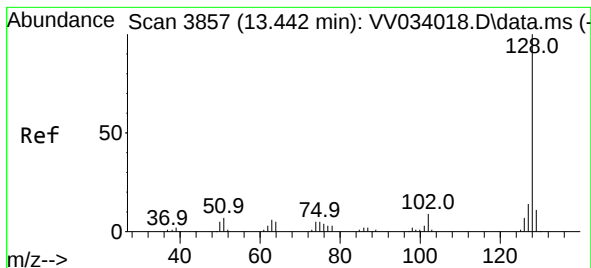
Tgt Ion:180 Resp: 50262  
 Ion Ratio Lower Upper  
 180 100  
 182 94.6 77.0 115.4  
 184 29.2 23.8 35.6  
 145 29.6 23.4 35.2



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.196 ug/L  
 RT: 13.200 min Scan# 3782  
 Delta R.T. 0.003 min  
 Lab File: VV034042.D  
 Acq: 07 Feb 2024 19:43

Tgt Ion:180 Resp: 41933  
 Ion Ratio Lower Upper  
 180 100  
 182 97.4 76.8 115.2  
 145 30.0 24.8 37.2





#71

Naphthalene

Concen: 6.238 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Instrument :

MSVOA\_V

ClientSampleId :

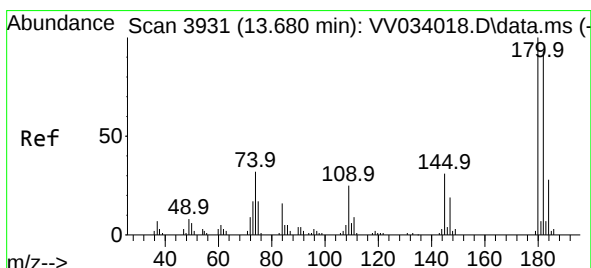
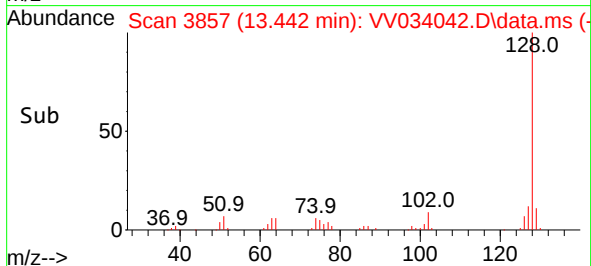
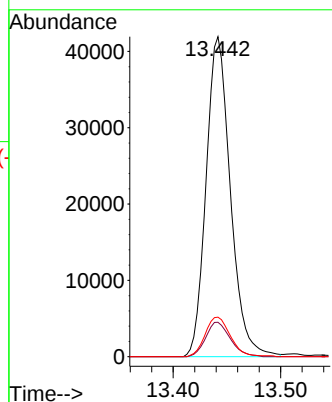
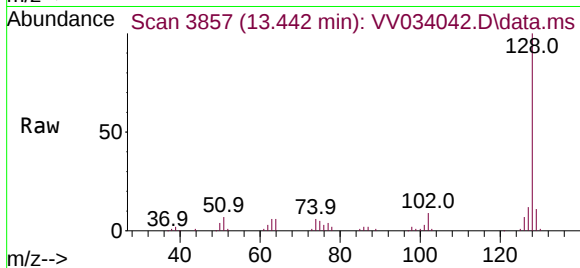
Tgt Ion:128 Resp: 65962

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

127 12.9 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.486 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV034042.D

Acq: 07 Feb 2024 19:43

Tgt Ion:180 Resp: 35477

Ion Ratio Lower Upper

180 100

182 98.2 75.0 112.6

145 33.4 25.2 37.8

