

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW110221\  
 Data File : VW023173.D  
 Acq On : 03 Nov 2021 01:21  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 69 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 03 01:54:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102221WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 02 23:31:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114            | 122738   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 122858   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 72109    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 42296    | 3.944  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 78.800%  |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 34915    | 5.263  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 105.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63             | 74606    | 4.822  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 96.400%  |          |
| 20) 2-Butanone-d5             | 3.896  | 46             | 90027    | 52.327 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 104.660% |          |
| 24) Chloroform-d              | 4.352  | 84             | 89296    | 5.121  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 102.400% |          |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65             | 40041    | 4.872  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 97.400%  |          |
| 32) Benzene-d6                | 5.053  | 84             | 171293   | 4.776  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 95.600%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67             | 49292    | 4.464  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 89.200%  |          |
| 41) Toluene-d8                | 7.317  | 98             | 162208   | 5.035  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 100.600% |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 18722    | 4.839  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 96.800%  |          |
| 46) 2-Hexanone-d5             | 8.092  | 63             | 73783    | 51.512 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 103.020% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 36197    | 4.748  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 95.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152            | 60292    | 4.686  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 93.800%  |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130  | 85             | 34420    | 4.420  | ug/L     | 99       |
| 3) Chloromethane              | 1.243  | 50             | 35398    | 4.206  | ug/L     | 95       |
| 5) Vinyl chloride             | 1.310  | 62             | 37461    | 4.310  | ug/L     | 99       |
| 6) Bromomethane               | 1.523  | 94             | 25205    | 5.739  | ug/L     | 96       |
| 8) Chloroethane               | 1.587  | 64             | 23808    | 5.238  | ug/L     | 99       |
| 9) Trichlorofluoromethane     | 1.754  | 101            | 63241    | 5.391  | ug/L     | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.121  | 101            | 36221    | 5.415  | ug/L     | 99       |
| 12) 1,1-Dichloroethene        | 2.121  | 96             | 33338    | 5.305  | ug/L     | 96       |
| 13) Acetone                   | 2.185  | 43             | 51884    | 61.467 | ug/L     | 93       |
| 14) Carbon disulfide          | 2.298  | 76             | 93359    | 5.455  | ug/L     | 99       |
| 15) Methyl Acetate            | 2.442  | 43             | 13964    | 4.349  | ug/L     | 93       |
| 16) Methylene chloride        | 2.510  | 84             | 47056    | 6.818  | ug/L     | 97       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73             | 79489    | 5.298  | ug/L     | 97       |
| 18) trans-1,2-Dichloroethene  | 2.764  | 96             | 38369    | 5.719  | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.191  | 63             | 74101    | 6.012  | ug/L     | 98       |
| 21) 2-Butanone                | 3.982  | 43             | 75810    | 45.877 | ug/L     | 93       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96             | 41148    | 5.410  | ug/L     | # 87     |
| 23) Bromochloromethane        | 4.259  | 128            | 19297    | 5.589  | ug/L     | # 80     |
| 25) Chloroform                | 4.378  | 83             | 77304    | 4.746  | ug/L     | 97       |

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 Data File : VW023173.D  
 Acq On : 03 Nov 2021 01:21  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 69 Sample Multiplier: 1

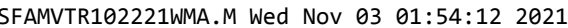
Instrument :  
 MSVOA\_V  
 ClientSampleId :

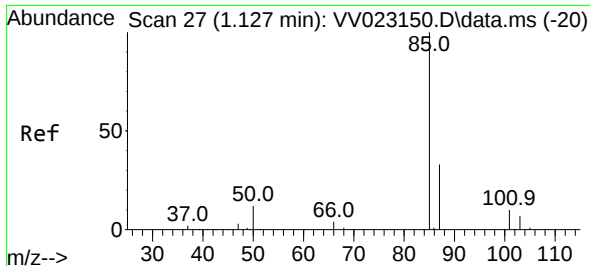
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 02 23:31:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 41695    | 4.854  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 69156    | 4.981  | ug/L   | 99       |
| 30) Cyclohexane               | 4.680  | 56   | 51667    | 4.262  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.834  | 117  | 61097    | 5.114  | ug/L   | 97       |
| 33) Benzene                   | 5.101  | 78   | 156993   | 4.748  | ug/L   | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 40393    | 4.863  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.133  | 83   | 56695    | 4.767  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 39213    | 4.706  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.513  | 83   | 52493    | 5.107  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.031  | 75   | 51858    | 4.998  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 197427   | 50.324 | ug/L   | 98       |
| 42) Toluene                   | 7.391  | 91   | 177342   | 5.293  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 43401    | 5.056  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 27966    | 4.797  | ug/L   | 96       |
| 47) Tetrachloroethene         | 7.979  | 164  | 35174    | 5.013  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.140  | 43   | 144140   | 49.495 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.249  | 129  | 36263    | 5.228  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 26307    | 5.012  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.883  | 112  | 112574   | 5.115  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 176993   | 5.322  | ug/L   | 98       |
| 53) m,p-xylene                | 9.140  | 106  | 71217    | 5.340  | ug/L   | 99       |
| 54) o-xylene                  | 9.545  | 106  | 66448    | 5.293  | ug/L   | 100      |
| 55) Styrene                   | 9.561  | 104  | 118539   | 5.468  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 32219    | 4.944  | ug/L   | 99       |
| 59) Bromoform                 | 9.735  | 173  | 19654    | 4.677  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.934  | 105  | 182526   | 5.005  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 22763    | 4.485  | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105  | 144527   | 4.934  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 148331   | 5.073  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 94708    | 4.935  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 94854    | 4.866  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 87927    | 4.922  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.432 | 75   | 4738     | 4.731  | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 70887    | 4.850  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 55601    | 5.084  | ug/L   | 100      |
| 71) Naphthalene               | 13.503 | 128  | 82894    | 4.985  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 50563    | 4.980  | ug/L   | 99       |

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

Quant Time: Nov 03 01:54:05 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR102221WMA.M  
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QLast Update : Tue Nov 02 23:31:16 2021  
Response via : Initial Calibration

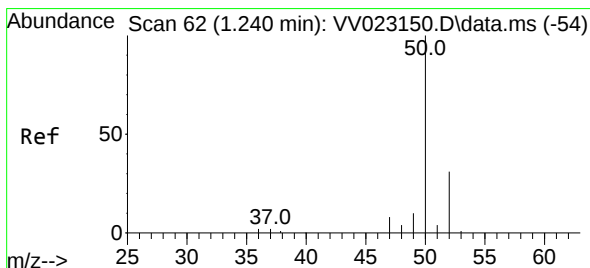
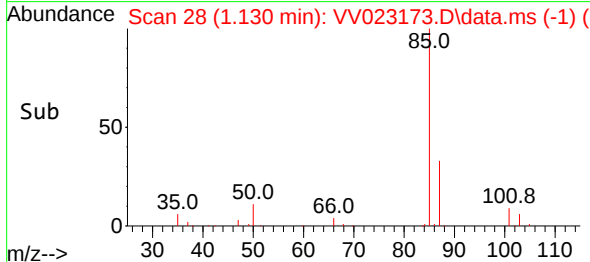
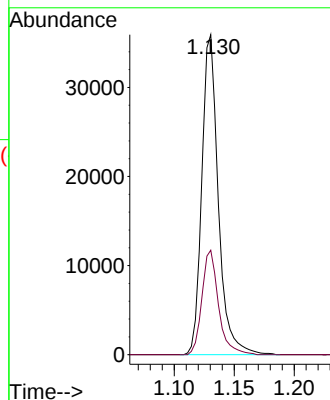
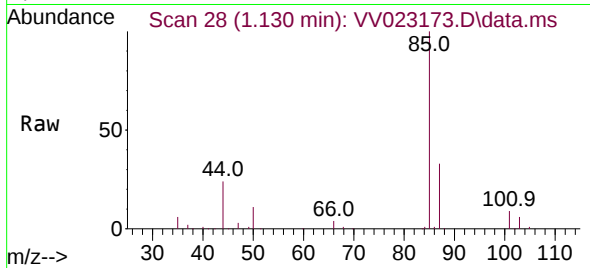




#2  
 Dichlorodifluoromethane  
 Concen: 4.420 ug/L  
 RT: 1.130 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV023173.D  
 Acq: 03 Nov 2021 01:21

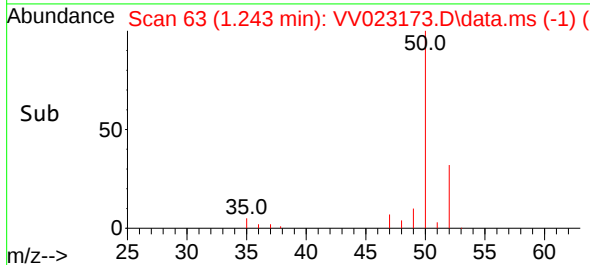
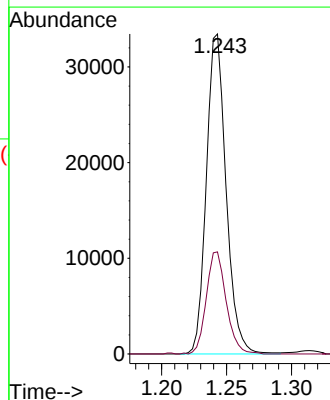
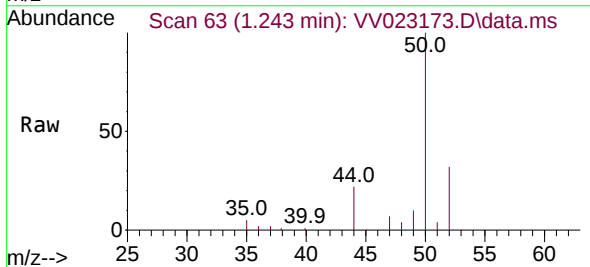
Instrument :  
 MSVOA\_V  
 ClientSampleId :

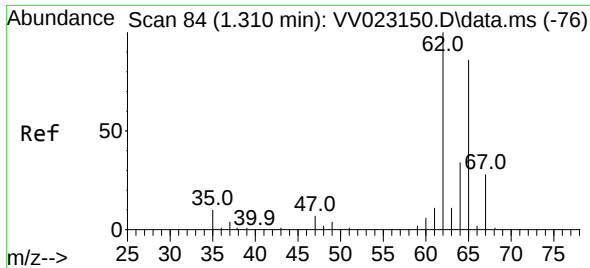
Tgt Ion: 85 Resp: 34420  
 Ion Ratio Lower Upper  
 85 100  
 87 32.7 26.6 39.8



#3  
 Chloromethane  
 Concen: 4.206 ug/L  
 RT: 1.243 min Scan# 63  
 Delta R.T. 0.003 min  
 Lab File: VV023173.D  
 Acq: 03 Nov 2021 01:21

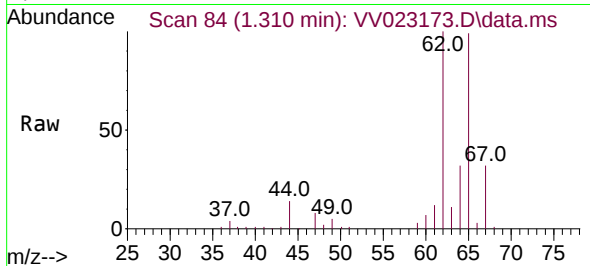
Tgt Ion: 50 Resp: 35398  
 Ion Ratio Lower Upper  
 50 100  
 52 31.9 24.3 45.1



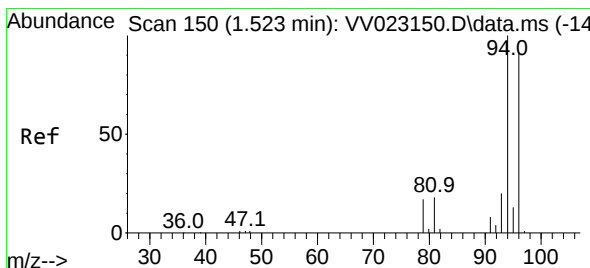
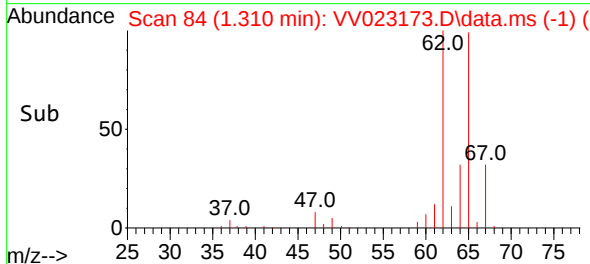
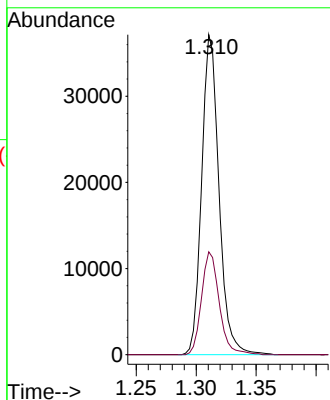


#5  
 Vinyl chloride  
 Concen: 4.310 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV023173.D  
 Acq: 03 Nov 2021 01:21

Instrument :  
 MSVOA\_V  
 ClientSampleId :

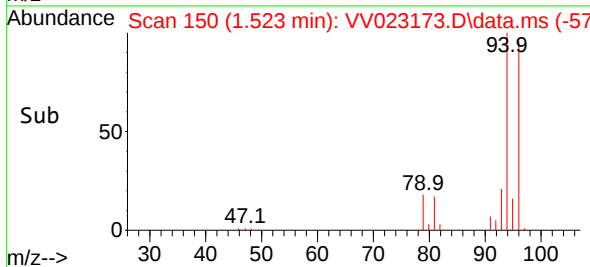
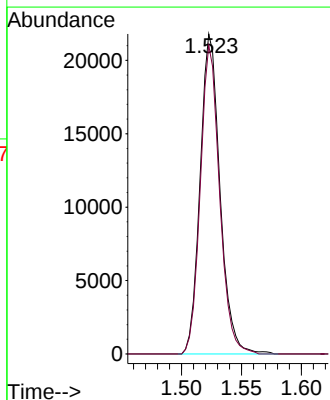
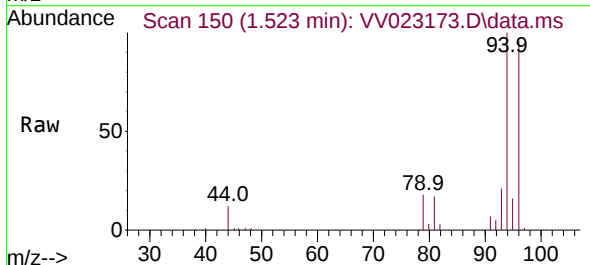


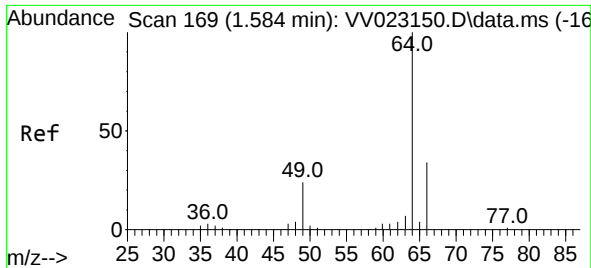
Tgt Ion: 62 Resp: 37461  
 Ion Ratio Lower Upper  
 62 100  
 64 32.2 23.1 42.9



#6  
 Bromomethane  
 Concen: 5.739 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.000 min  
 Lab File: VV023173.D  
 Acq: 03 Nov 2021 01:21

Tgt Ion: 94 Resp: 25205  
 Ion Ratio Lower Upper  
 94 100  
 96 96.4 65.0 120.8

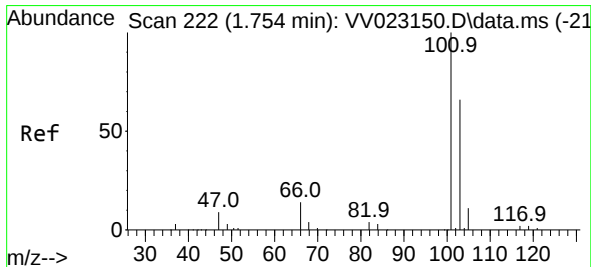
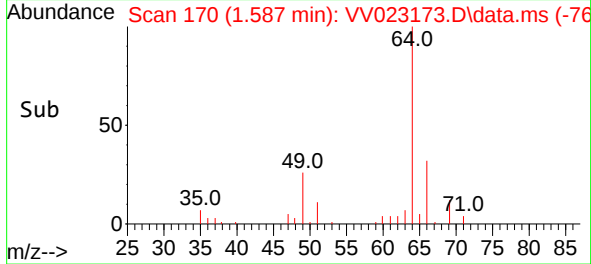
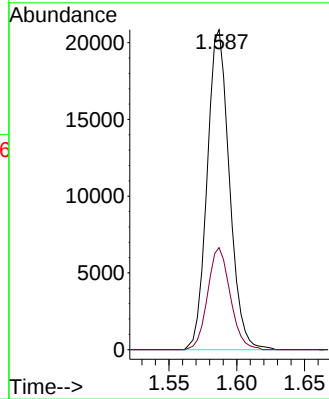
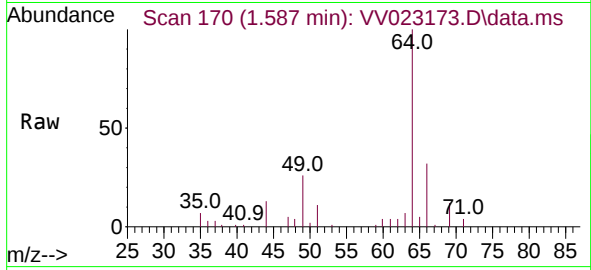




#8  
Chloroethane  
Concen: 5.238 ug/L  
RT: 1.587 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

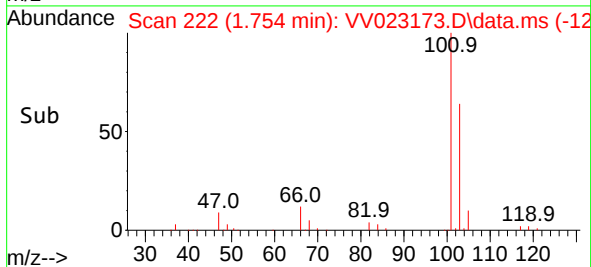
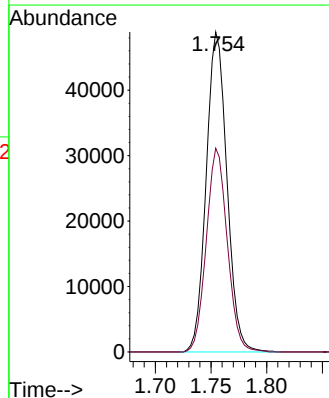
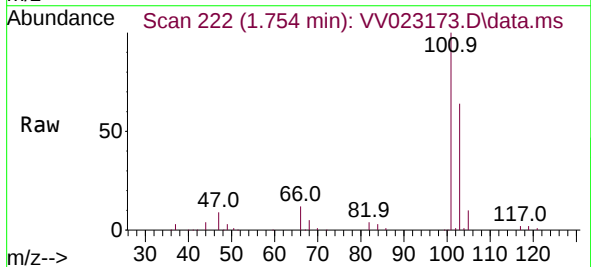
Instrument :  
MSVOA\_V  
ClientSampleId :

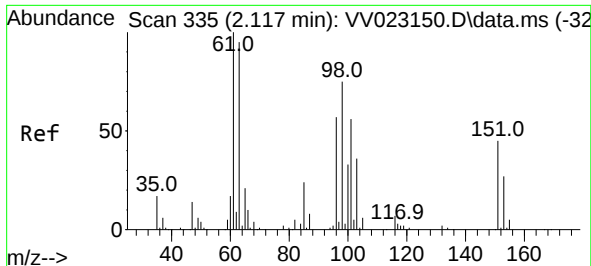
Tgt Ion: 64 Resp: 23808  
Ion Ratio Lower Upper  
64 100  
66 31.9 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 5.391 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

Tgt Ion:101 Resp: 63241  
Ion Ratio Lower Upper  
101 100  
103 64.4 52.6 79.0





#10

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

Concen: 5.415 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.003 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

ClientSampleId :

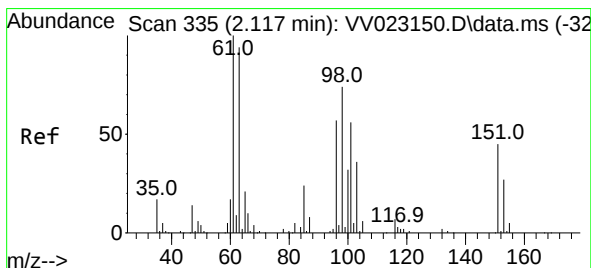
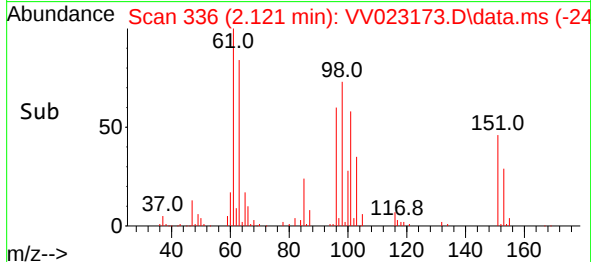
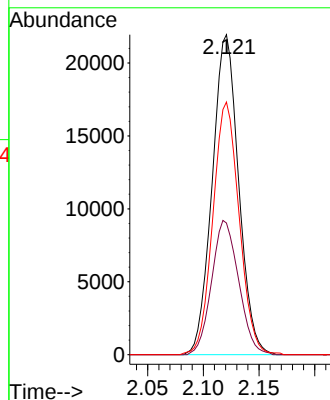
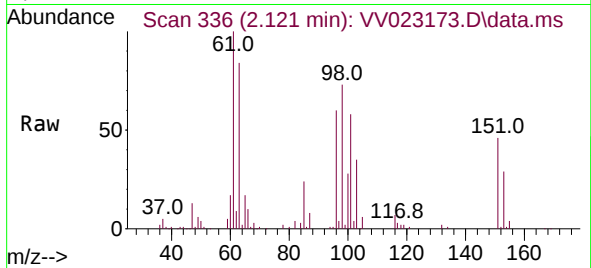
Tgt Ion:101 Resp: 36221

Ion Ratio Lower Upper

101 100

85 42.8 35.3 52.9

151 78.5 62.2 93.2



#12

1,1-Dichloroethene

Concen: 5.305 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.003 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

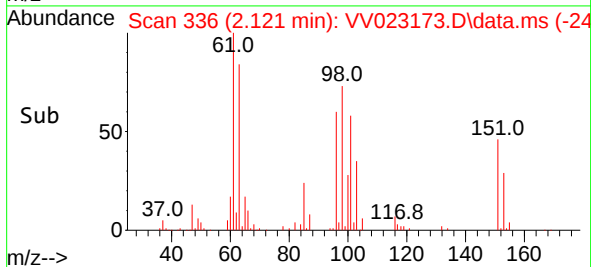
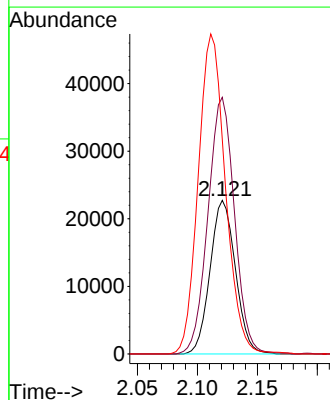
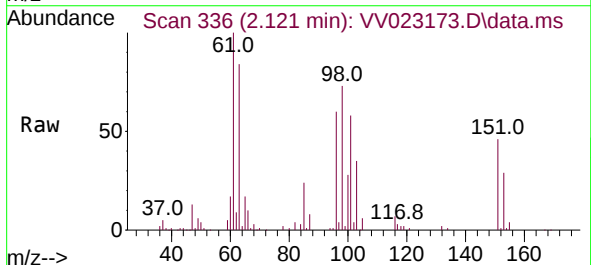
Tgt Ion: 96 Resp: 33338

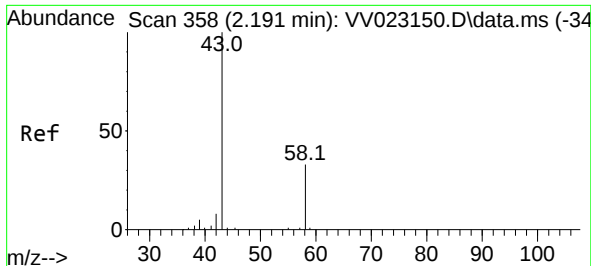
Ion Ratio Lower Upper

96 100

61 167.1 121.5 225.7

63 139.8 99.6 185.0





#13

Acetone

Concen: 61.467 ug/L

RT: 2.185 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

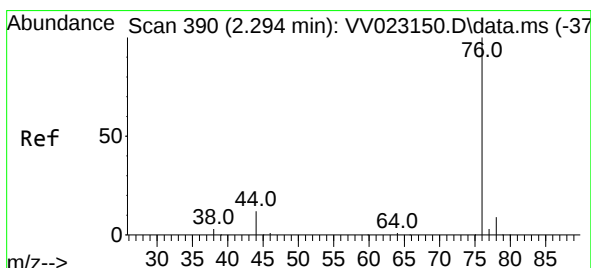
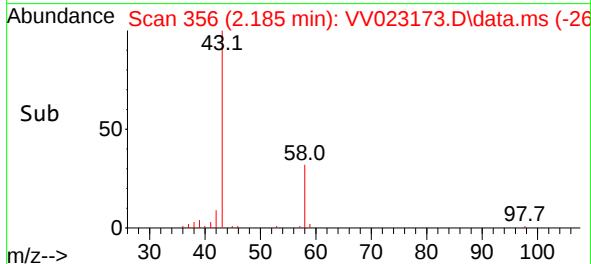
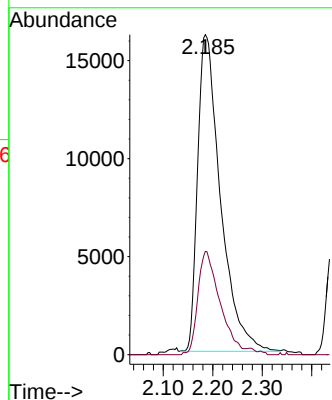
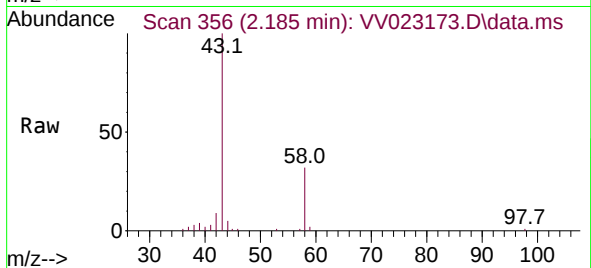
ClientSampleId :

Tgt Ion: 43 Resp: 51884

Ion Ratio Lower Upper

43 100

58 31.6 0.0 55.4



#14

Carbon disulfide

Concen: 5.455 ug/L

RT: 2.298 min Scan# 391

Delta R.T. 0.003 min

Lab File: VV023173.D

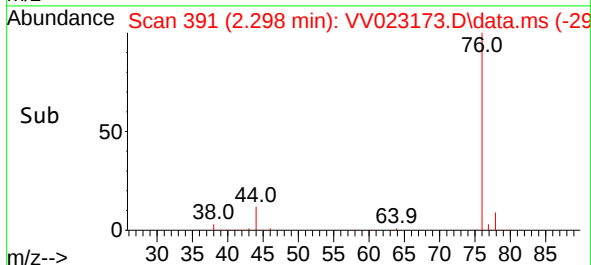
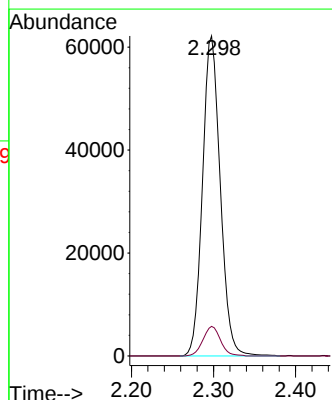
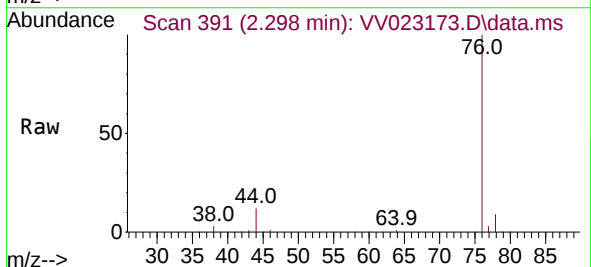
Acq: 03 Nov 2021 01:21

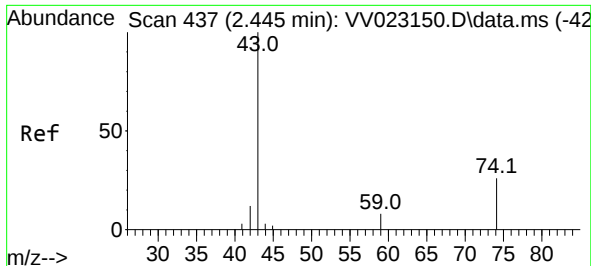
Tgt Ion: 76 Resp: 93359

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

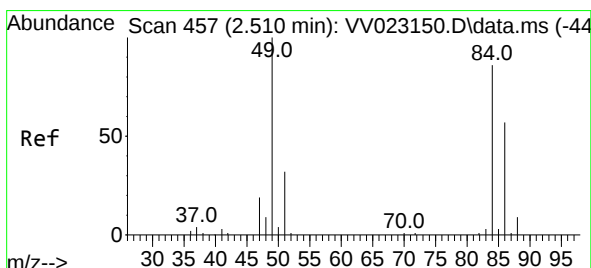
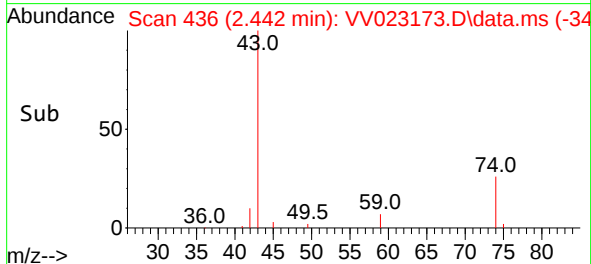
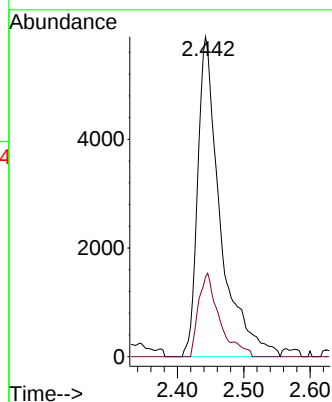
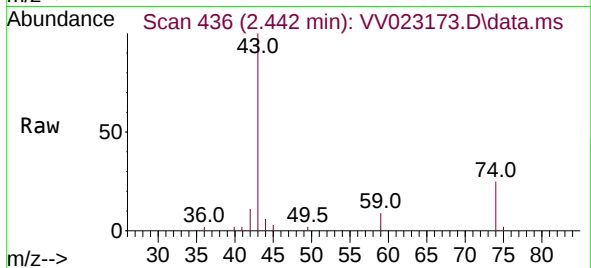




#15  
Methyl Acetate  
Concen: 4.349 ug/L  
RT: 2.442 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

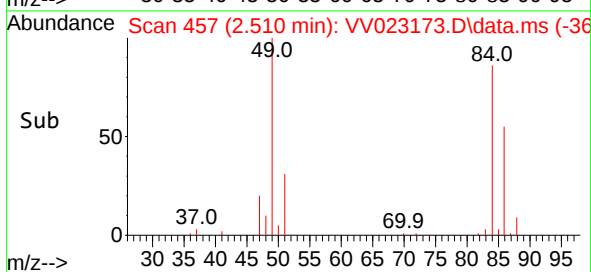
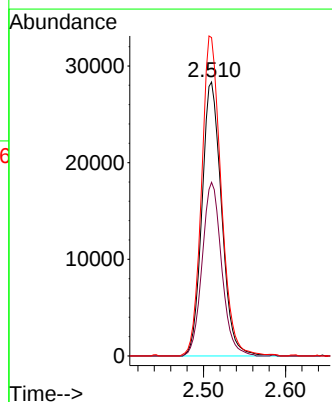
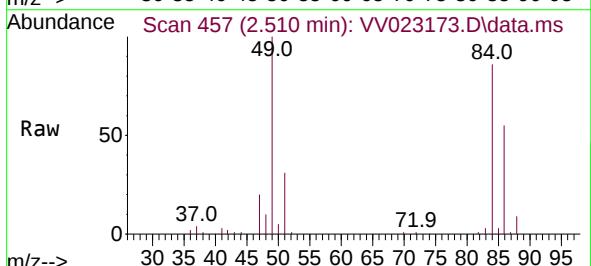
Instrument :  
MSVOA\_V  
ClientSampleId :

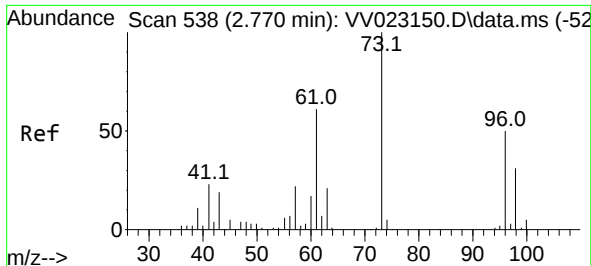
Tgt Ion: 43 Resp: 13964  
Ion Ratio Lower Upper  
43 100  
74 24.2 22.2 33.2



#16  
Methylene chloride  
Concen: 6.818 ug/L  
RT: 2.510 min Scan# 457  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

Tgt Ion: 84 Resp: 47056  
Ion Ratio Lower Upper  
84 100  
86 63.4 42.3 78.5  
49 116.3 79.7 148.1





#17

Methyl tert-butyl Ether

Concen: 5.298 ug/L

RT: 2.770 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

ClientSampleId :

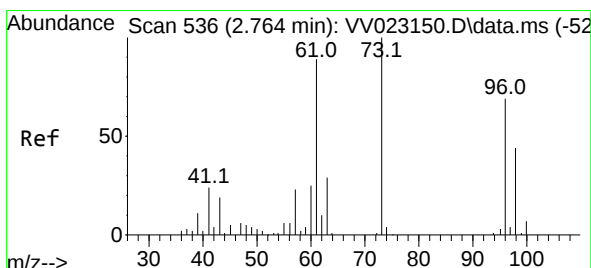
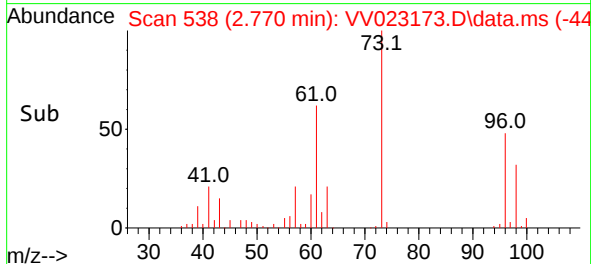
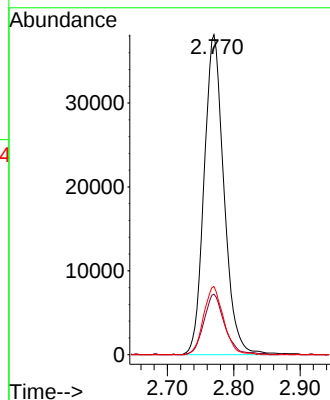
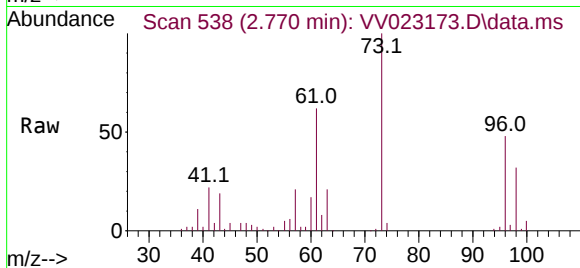
Tgt Ion: 73 Resp: 79489

Ion Ratio Lower Upper

73 100

43 19.7 17.4 26.0

57 21.4 16.5 24.7



#18

trans-1,2-Dichloroethene

Concen: 5.719 ug/L

RT: 2.764 min Scan# 536

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

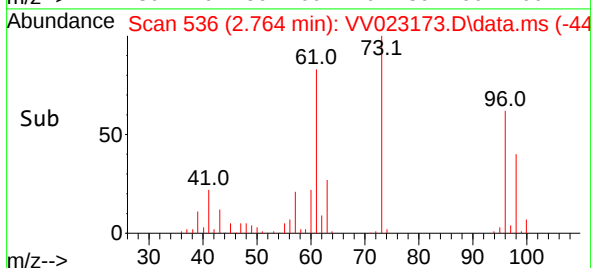
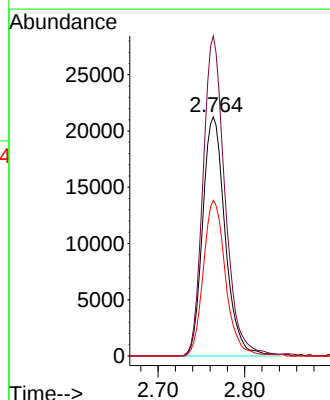
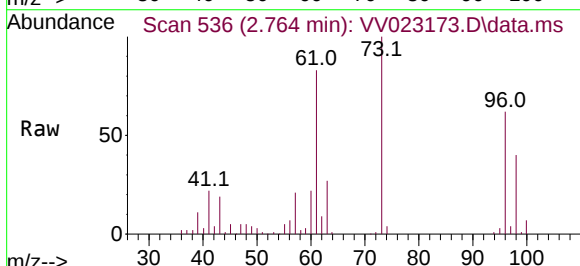
Tgt Ion: 96 Resp: 38369

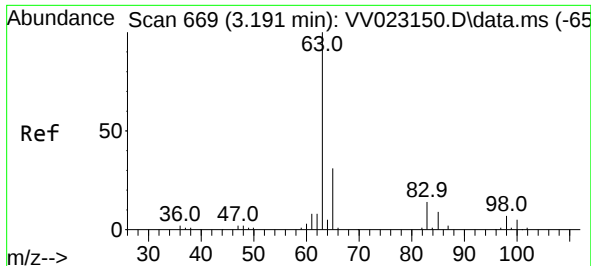
Ion Ratio Lower Upper

96 100

61 133.9 93.2 173.2

98 65.1 47.0 87.2





#19

1,1-Dichloroethane

Concen: 6.012 ug/L

RT: 3.191 min Scan# 669

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

ClientSampleId :

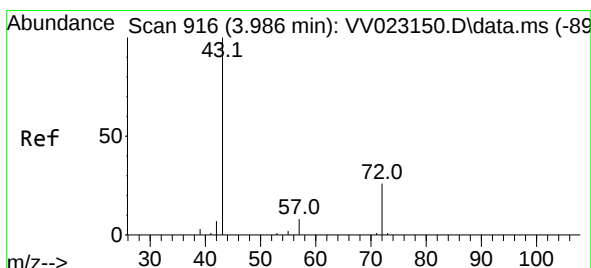
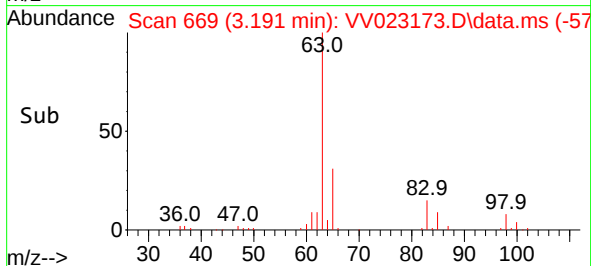
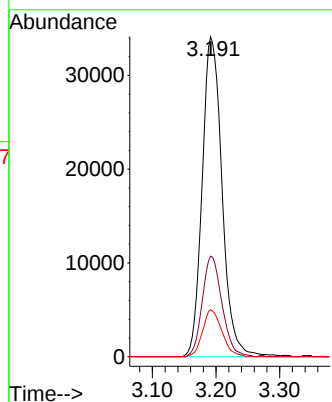
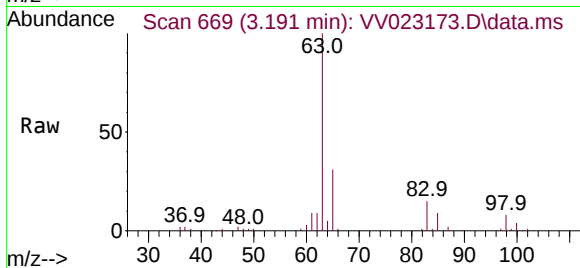
Tgt Ion: 63 Resp: 74101

Ion Ratio Lower Upper

63 100

65 31.4 22.6 42.0

83 14.7 11.1 20.7



#21

2-Butanone

Concen: 45.877 ug/L

RT: 3.982 min Scan# 915

Delta R.T. -0.003 min

Lab File: VV023173.D

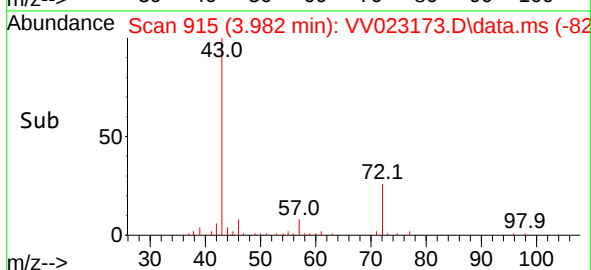
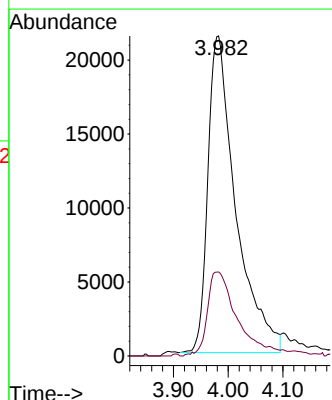
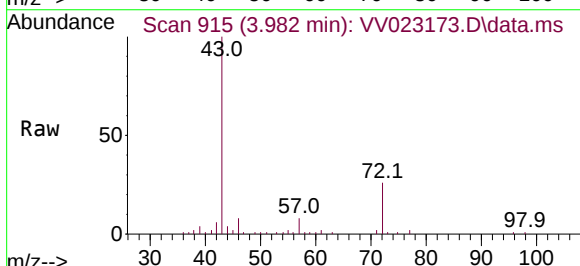
Acq: 03 Nov 2021 01:21

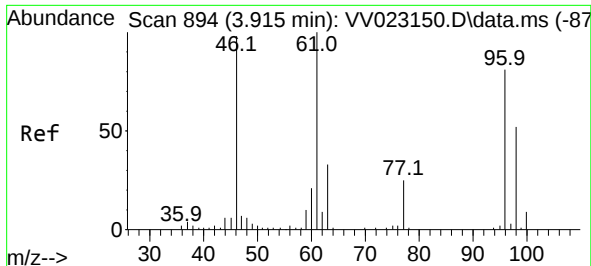
Tgt Ion: 43 Resp: 75810

Ion Ratio Lower Upper

43 100

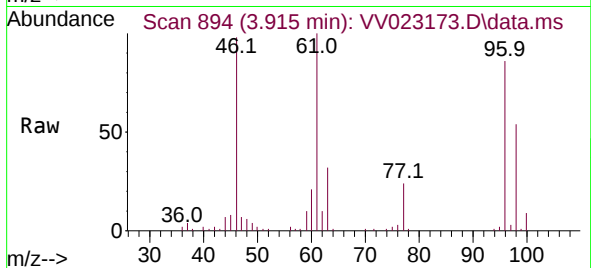
72 27.2 11.9 35.9



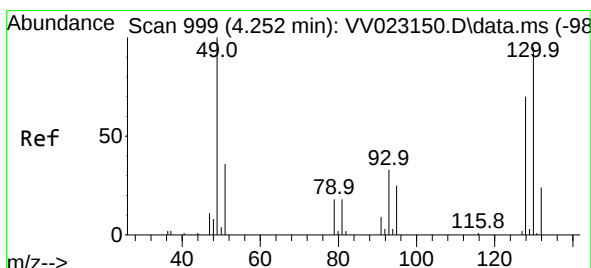
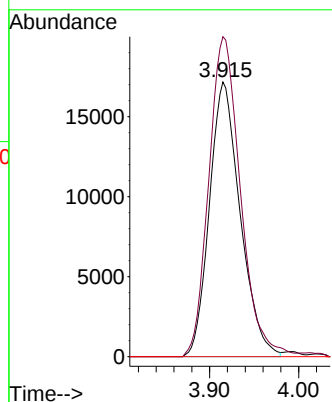
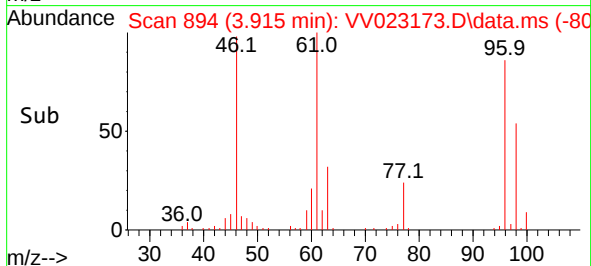


#22  
 cis-1,2-Dichloroethene  
 Concen: 5.410 ug/L  
 RT: 3.915 min Scan# 894  
 Delta R.T. 0.000 min  
 Lab File: VV023173.D  
 Acq: 03 Nov 2021 01:21

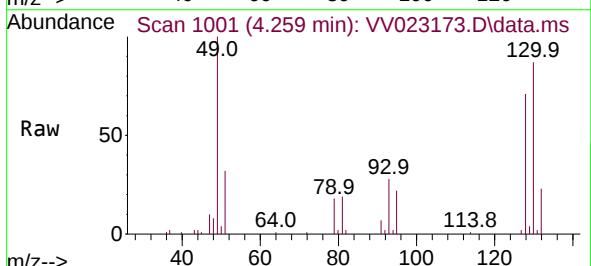
Instrument :  
 MSVOA\_V  
 ClientSampleId :



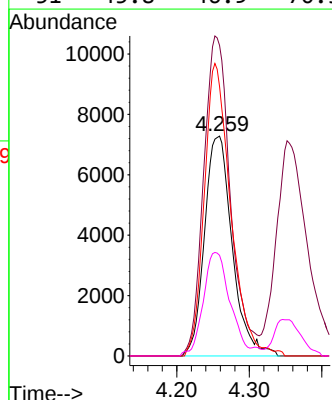
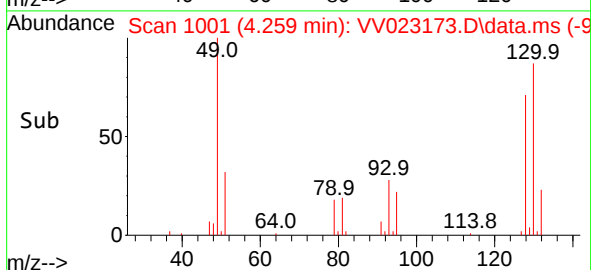
Tgt Ion: 96 Resp: 41148  
 Ion Ratio Lower Upper  
 96 100  
 61 116.5 92.3 171.3  
 68 0.0 0.4 0.8#

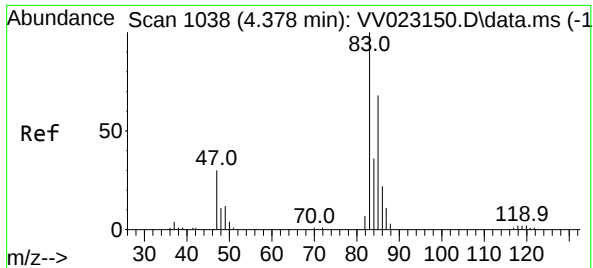


#23  
 Bromochloromethane  
 Concen: 5.589 ug/L  
 RT: 4.259 min Scan# 1001  
 Delta R.T. 0.006 min  
 Lab File: VV023173.D  
 Acq: 03 Nov 2021 01:21



Tgt Ion: 128 Resp: 19297  
 Ion Ratio Lower Upper  
 128 100  
 49 141.3 126.1 234.3  
 130 122.6 95.2 176.8  
 51 45.8 46.9 70.3#

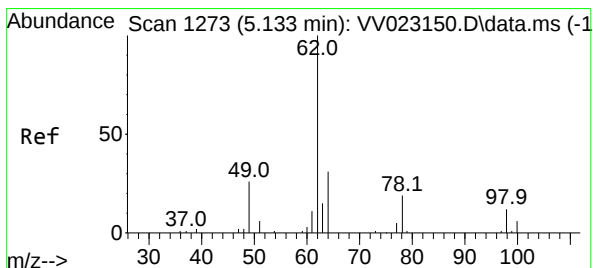
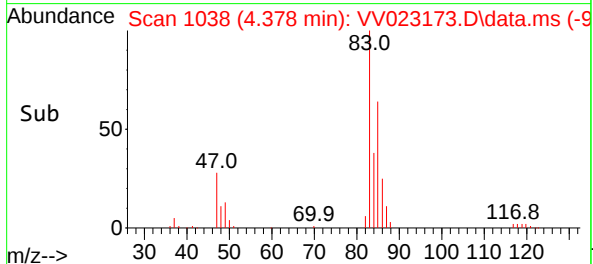
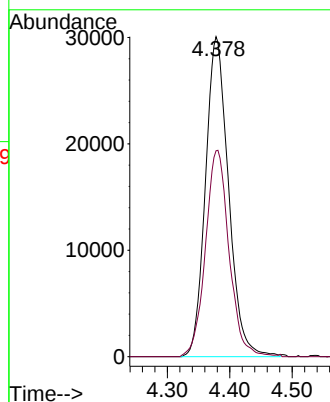
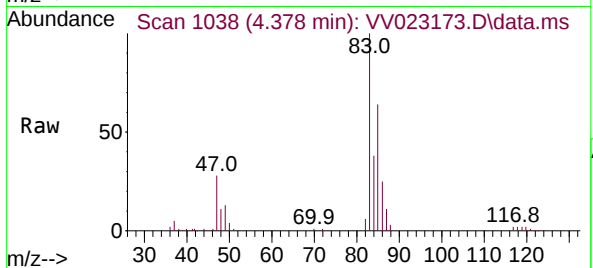




#25  
Chloroform  
Concen: 4.746 ug/L  
RT: 4.378 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

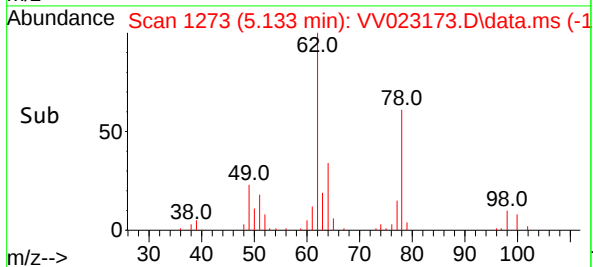
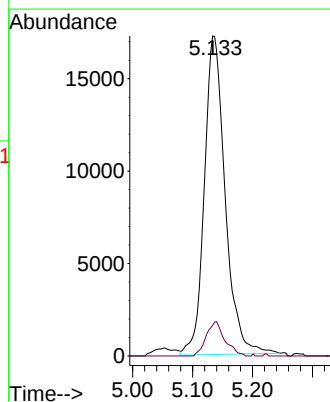
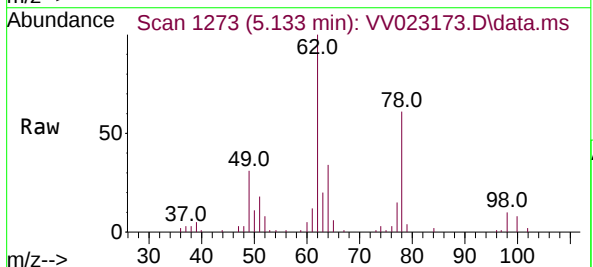
Instrument :  
MSVOA\_V  
ClientSampleId :

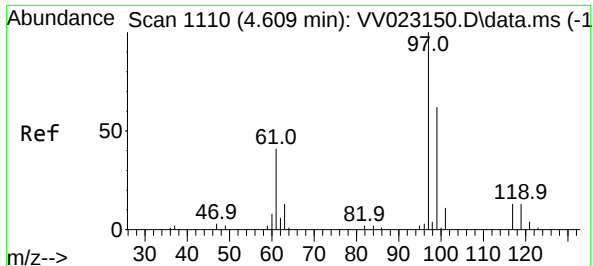
Tgt Ion: 83 Resp: 77304  
Ion Ratio Lower Upper  
83 100  
85 64.3 46.8 86.8



#27  
1,2-Dichloroethane  
Concen: 4.854 ug/L  
RT: 5.133 min Scan# 1273  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

Tgt Ion: 62 Resp: 41695  
Ion Ratio Lower Upper  
62 100  
98 9.6 8.2 12.4





#29

1,1,1-Trichloroethane

Concen: 4.981 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

ClientSampleId :

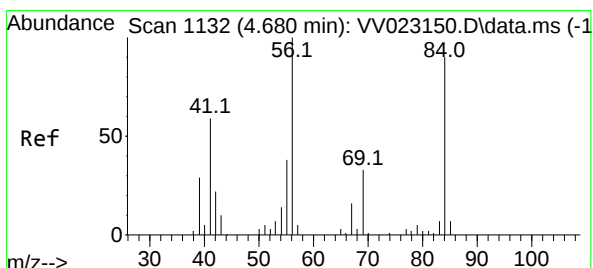
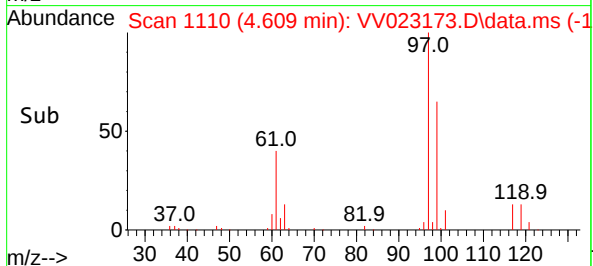
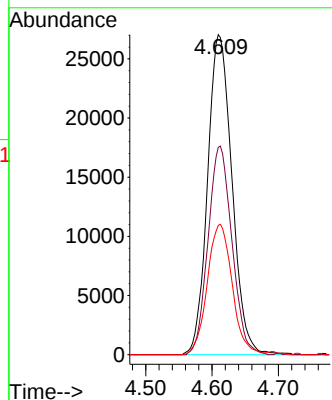
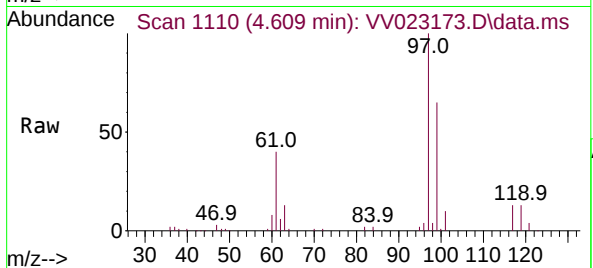
Tgt Ion: 97 Resp: 69156

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.4

61 41.4 34.1 51.1



#30

Cyclohexane

Concen: 4.262 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

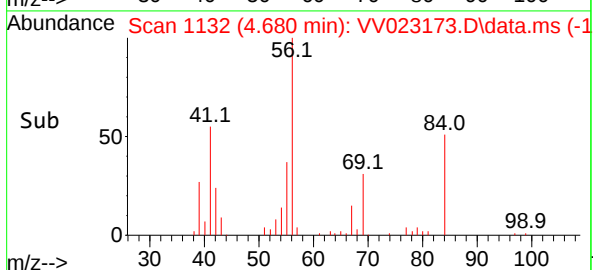
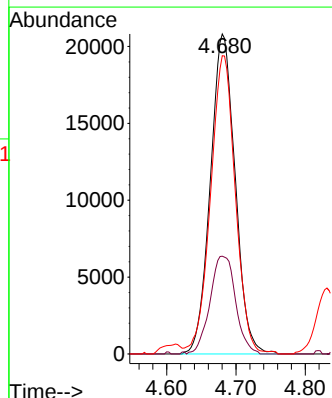
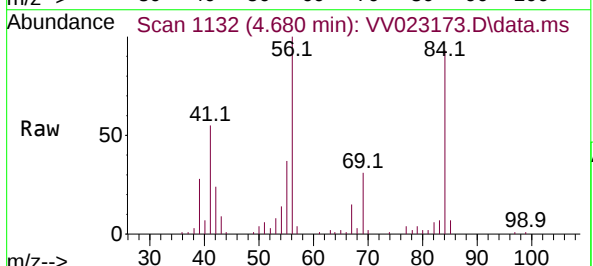
Tgt Ion: 56 Resp: 51667

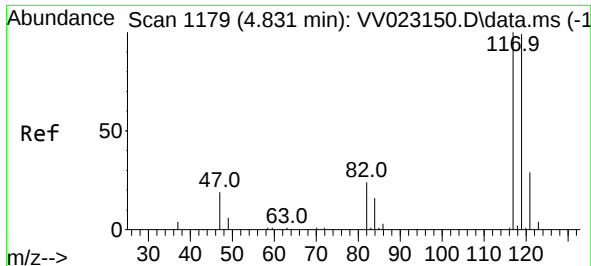
Ion Ratio Lower Upper

56 100

69 31.6 23.5 35.3

84 91.8 71.6 107.4

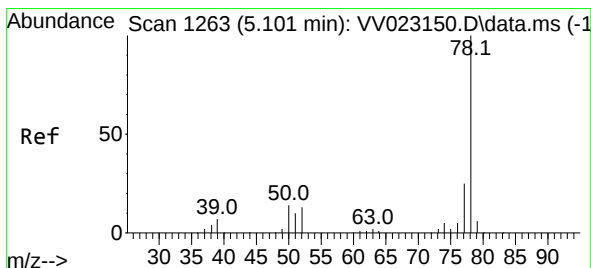
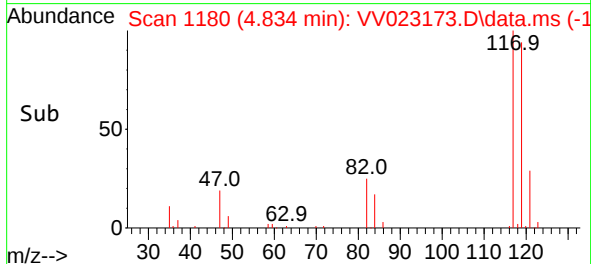
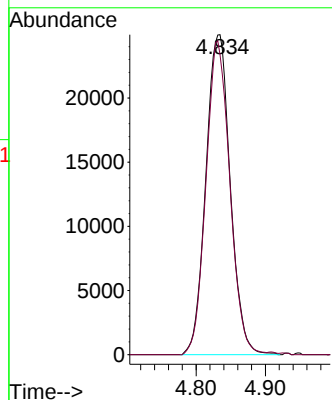
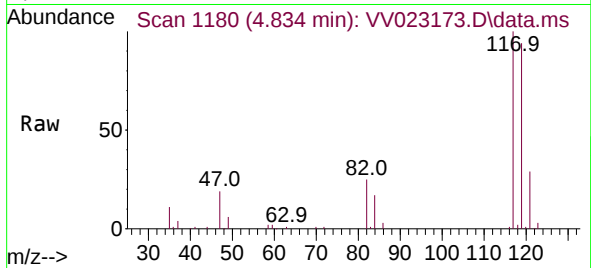




#31  
Carbon tetrachloride  
Concen: 5.114 ug/L  
RT: 4.834 min Scan# 1179  
Delta R.T. 0.003 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

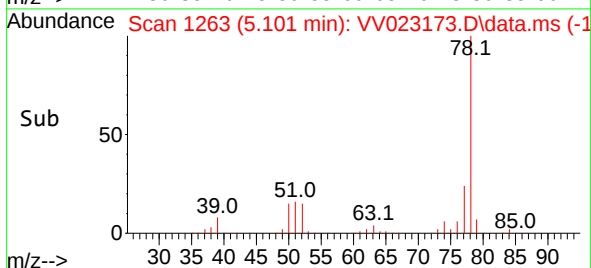
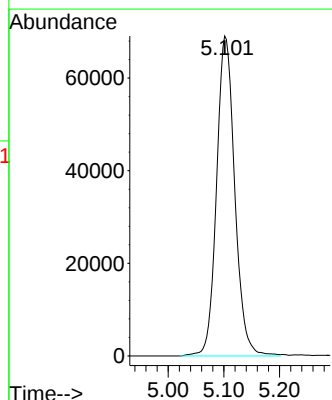
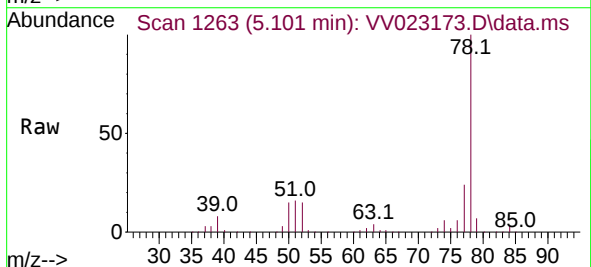
Instrument :  
MSVOA\_V  
ClientSampleId :

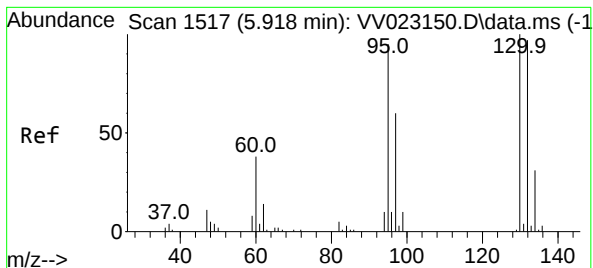
Tgt Ion:117 Resp: 61097  
Ion Ratio Lower Upper  
117 100  
119 95.6 78.8 118.2



#33  
Benzene  
Concen: 4.748 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

Tgt Ion: 78 Resp: 156993





#34

Trichloroethene

Concen: 4.863 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 40393

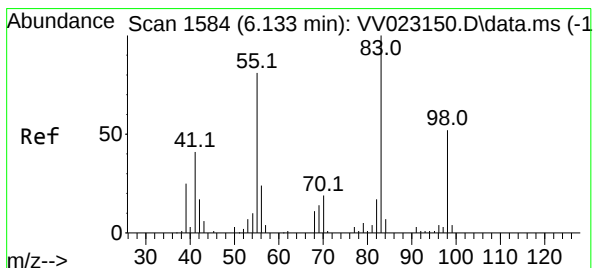
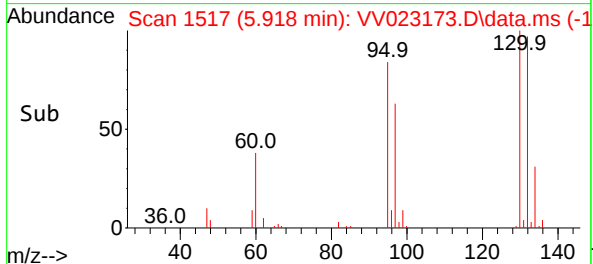
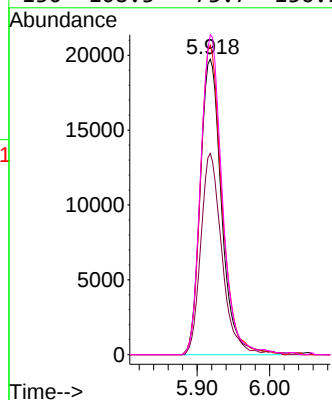
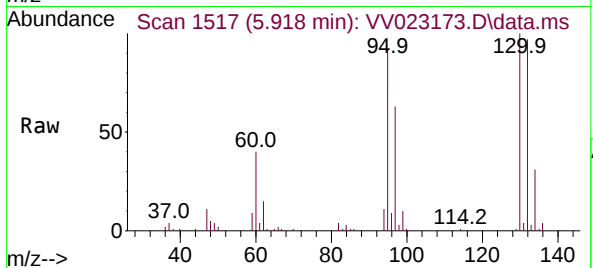
Ion Ratio Lower Upper

95 100

97 68.1 45.0 83.6

132 104.8 69.7 129.4

130 108.3 73.7 136.9



#35

Methylcyclohexane

Concen: 4.767 ug/L

RT: 6.133 min Scan# 1584

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

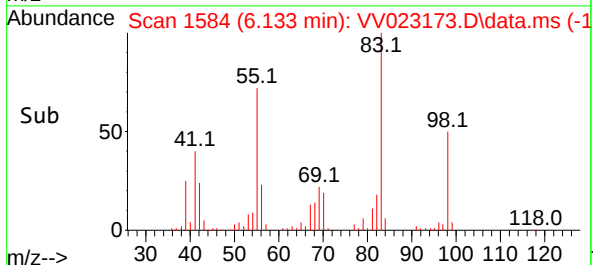
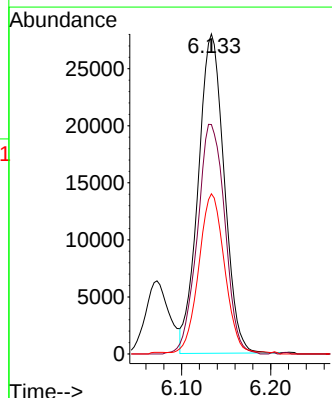
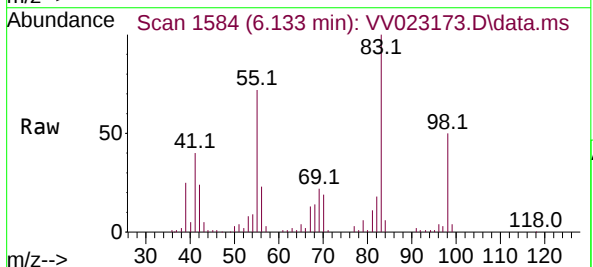
Tgt Ion: 83 Resp: 56695

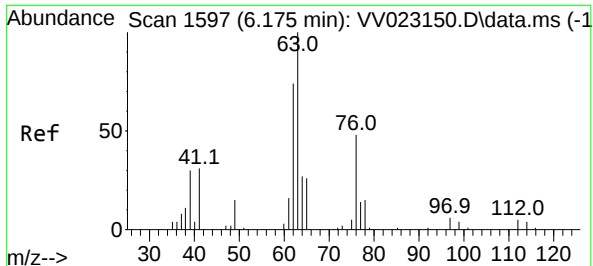
Ion Ratio Lower Upper

83 100

55 76.0 62.8 94.2

98 50.5 37.9 56.9





#37

1,2-Dichloropropane

Concen: 4.706 ug/L

RT: 6.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

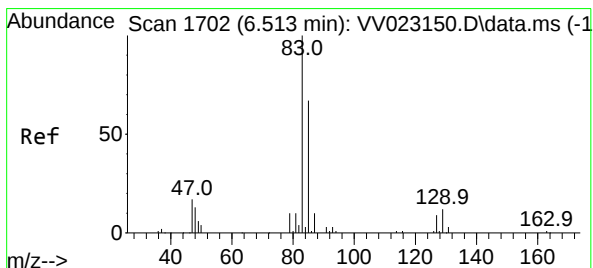
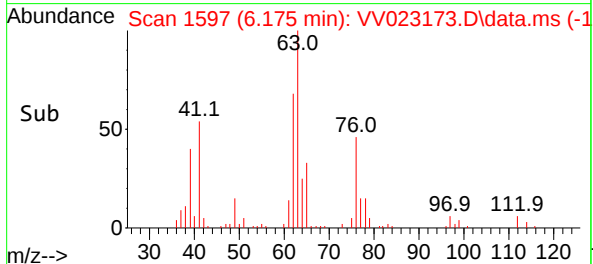
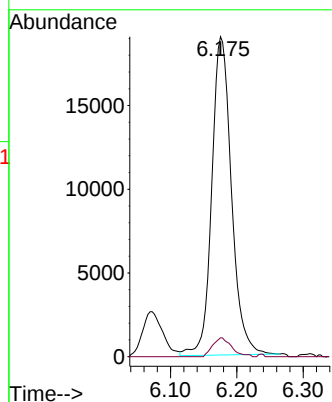
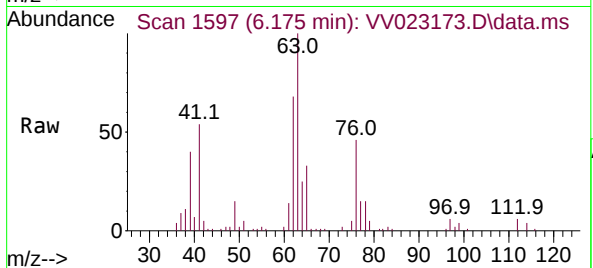
ClientSampleId :

Tgt Ion: 63 Resp: 39213

Ion Ratio Lower Upper

63 100

112 5.7 4.6 6.8



#38

Bromodichloromethane

Concen: 5.107 ug/L

RT: 6.513 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

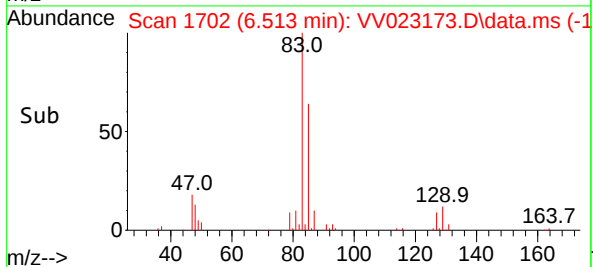
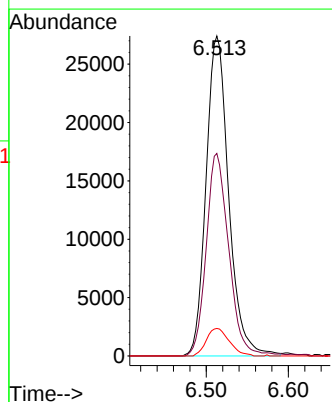
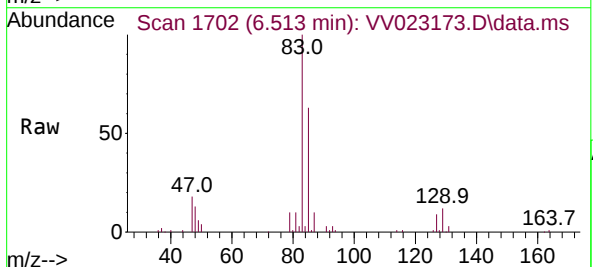
Tgt Ion: 83 Resp: 52493

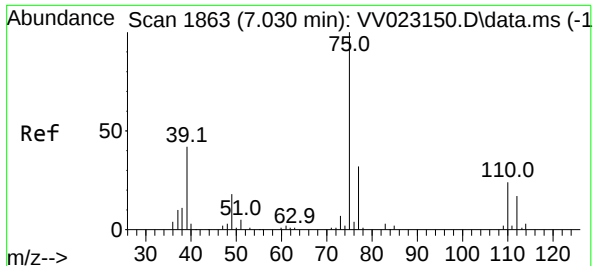
Ion Ratio Lower Upper

83 100

85 63.3 46.1 85.7

127 8.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.998 ug/L

RT: 7.031 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

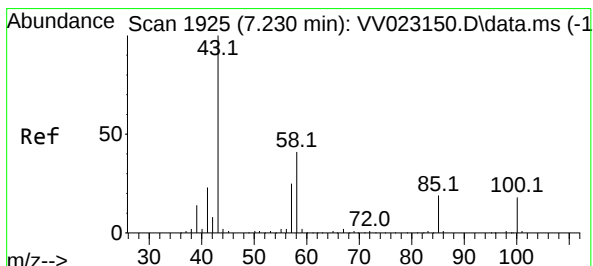
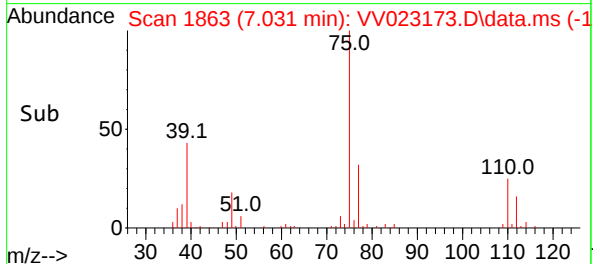
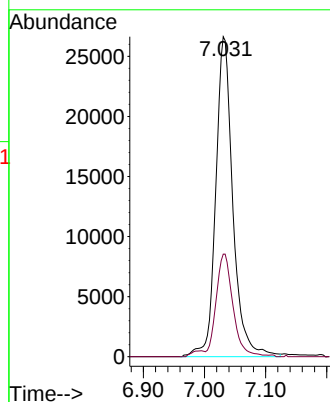
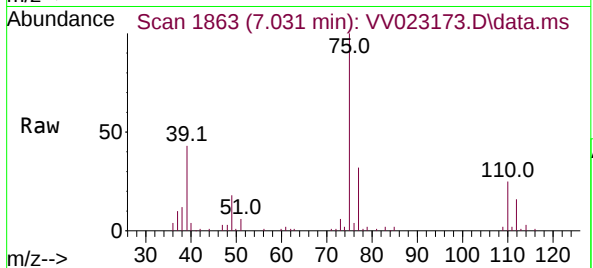
ClientSampleId :

Tgt Ion: 75 Resp: 51858

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 50.324 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. -0.003 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

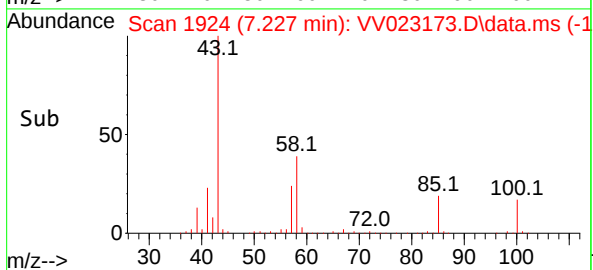
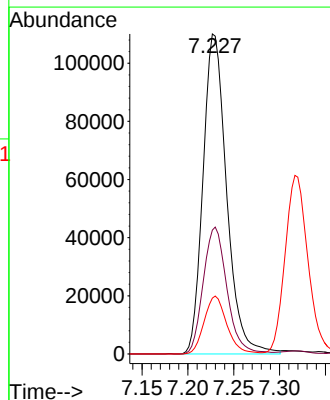
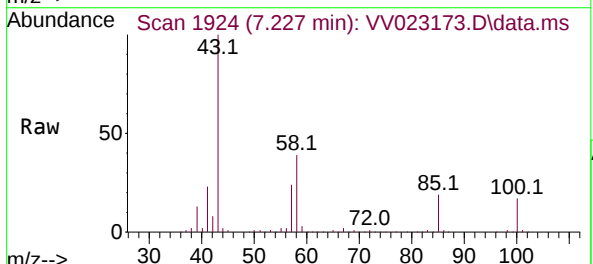
Tgt Ion: 43 Resp: 197427

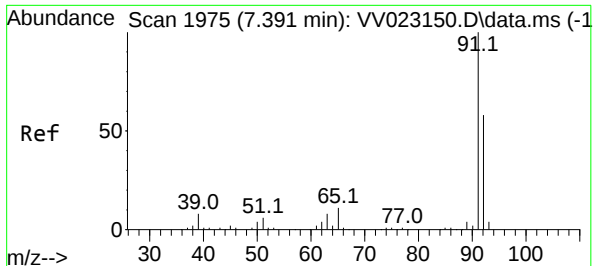
Ion Ratio Lower Upper

43 100

58 39.9 31.1 46.7

100 17.4 12.6 19.0





#42

Toluene

Concen: 5.293 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

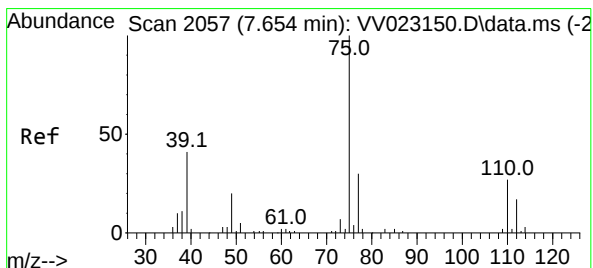
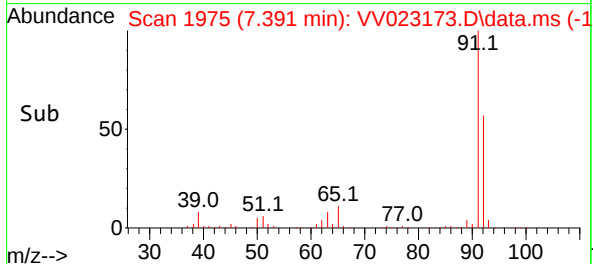
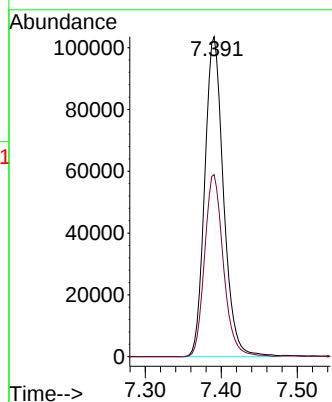
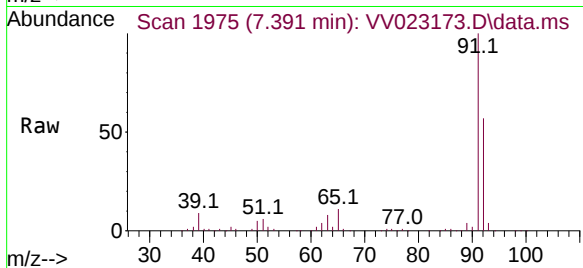
ClientSampleId :

Tgt Ion: 91 Resp: 177342

Ion Ratio Lower Upper

91 100

92 56.9 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 5.056 ug/L

RT: 7.654 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VV023173.D

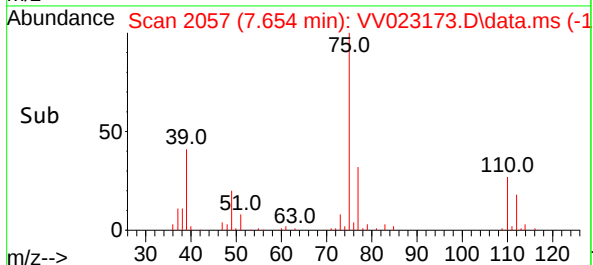
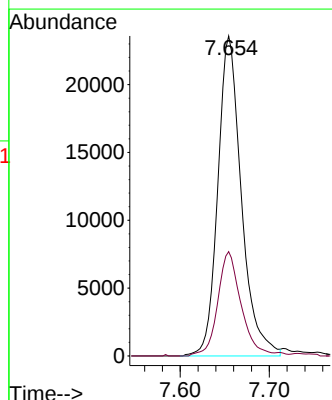
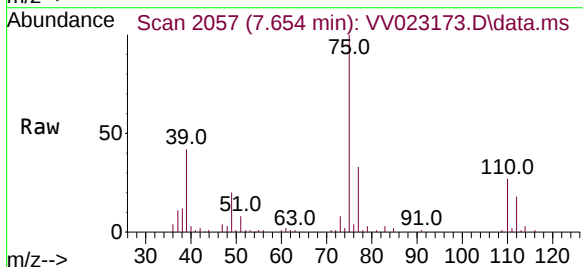
Acq: 03 Nov 2021 01:21

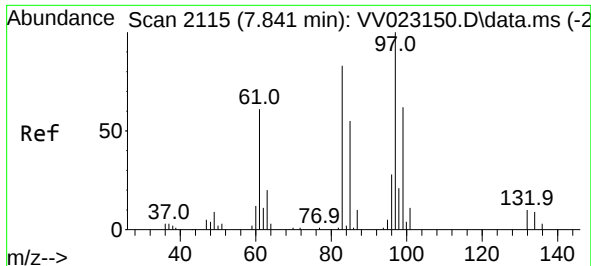
Tgt Ion: 75 Resp: 43401

Ion Ratio Lower Upper

75 100

77 32.6 22.5 41.7

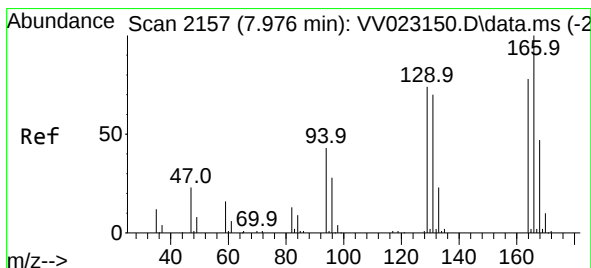
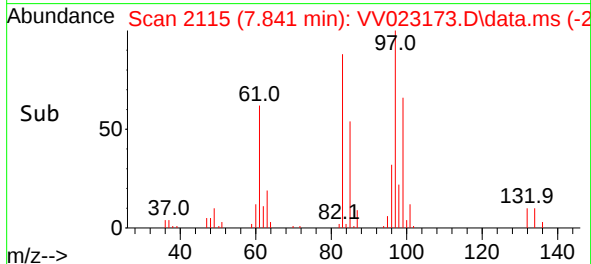
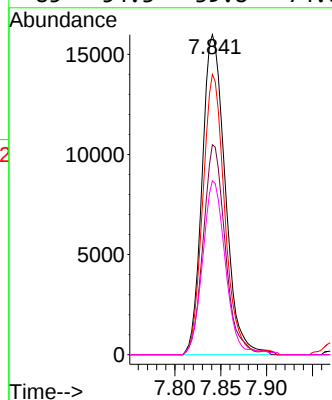
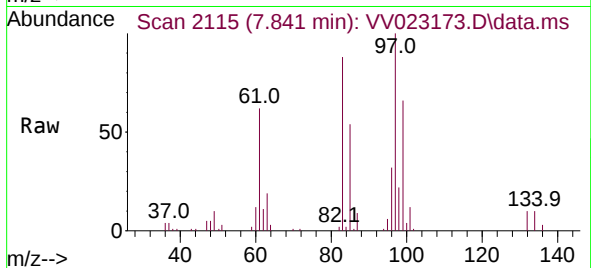




#45  
1,1,2-Trichloroethane  
Concen: 4.797 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

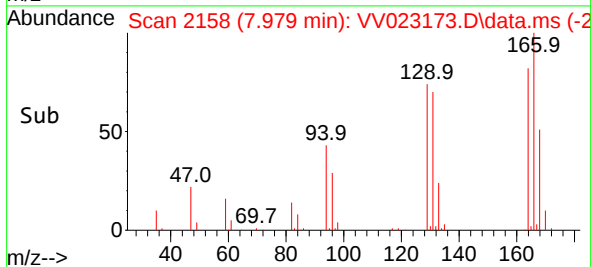
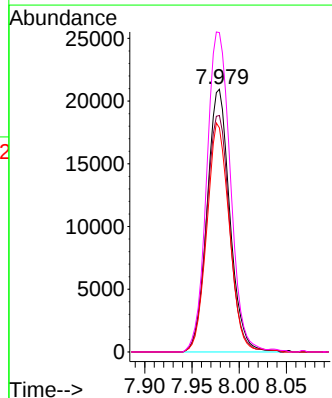
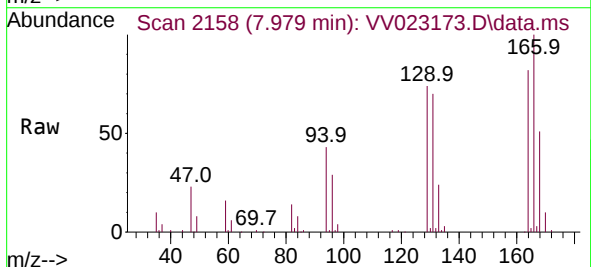
Instrument :  
MSVOA\_V  
ClientSampleId :

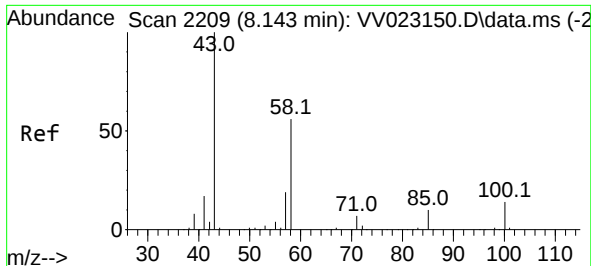
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 27966 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 65.6     | 43.6 81.0   |
| 83 87.6     | 58.4 108.4  |
| 85 54.3     | 39.8 74.0   |



#47  
Tetrachloroethene  
Concen: 5.013 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.003 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 35174 |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 90.0    | 64.0  | 119.0 |
| 131 | 85.3    | 63.4  | 117.8 |
| 166 | 121.6   | 89.3  | 165.9 |

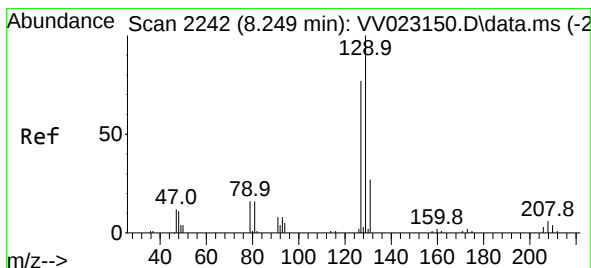
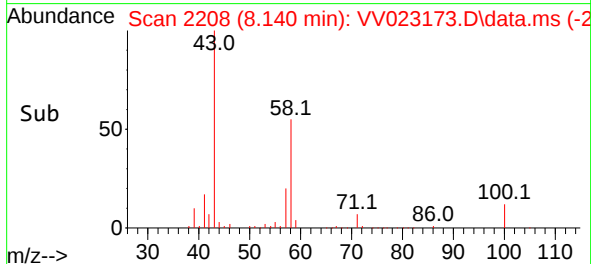
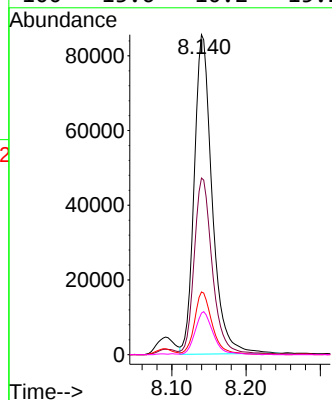
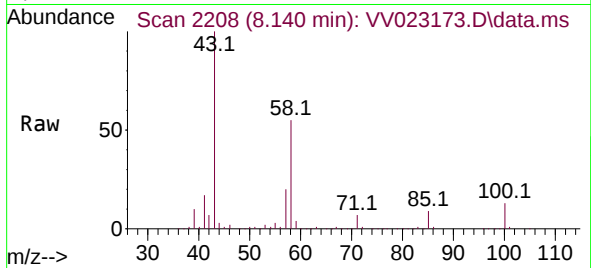




#48  
2-Hexanone  
Concen: 49.495 ug/L  
RT: 8.140 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

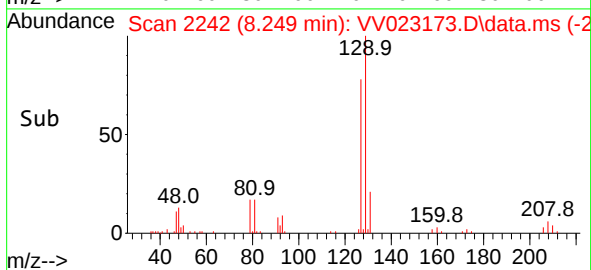
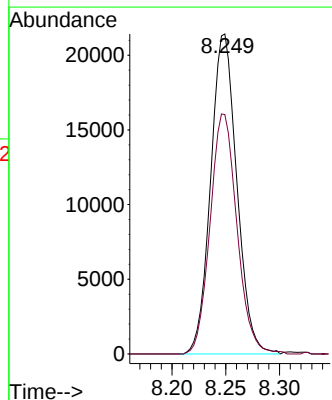
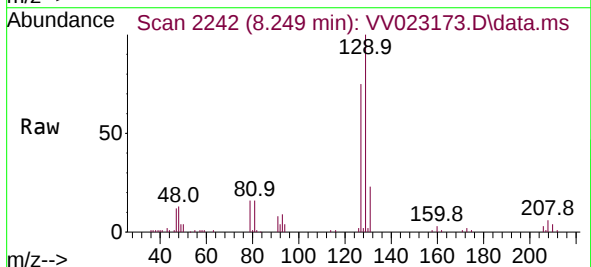
Instrument :  
MSVOA\_V  
ClientSampleId :

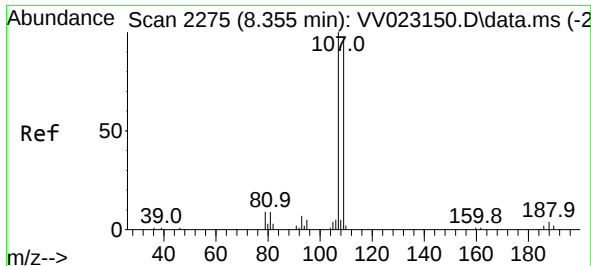
Tgt Ion: 43 Resp: 144140  
Ion Ratio Lower Upper  
43 100  
58 55.7 43.7 65.5  
57 19.0 14.1 21.1  
100 13.6 10.2 15.2



#49  
Dibromochloromethane  
Concen: 5.228 ug/L  
RT: 8.249 min Scan# 2242  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

Tgt Ion:129 Resp: 36263  
Ion Ratio Lower Upper  
129 100  
127 74.8 54.7 101.7





#50

1,2-Dibromoethane

Concen: 5.012 ug/L

RT: 8.355 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV023173.D

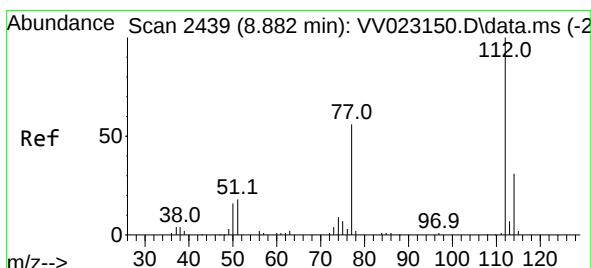
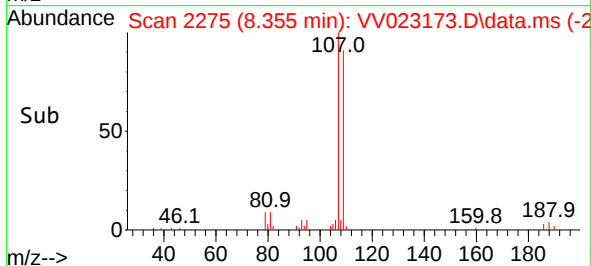
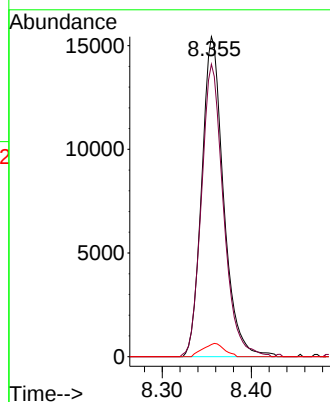
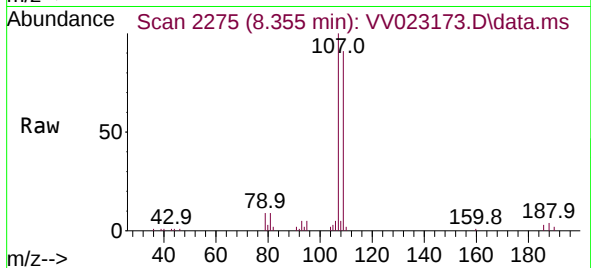
Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:107 | Resp: | 26307      |
| Ion Ratio   | Lower | Upper      |
| 107         | 100   |            |
| 109         | 91.4  | 64.7 120.1 |
| 188         | 3.8   | 3.6 5.4    |



#51

Chlorobenzene

Concen: 5.115 ug/L

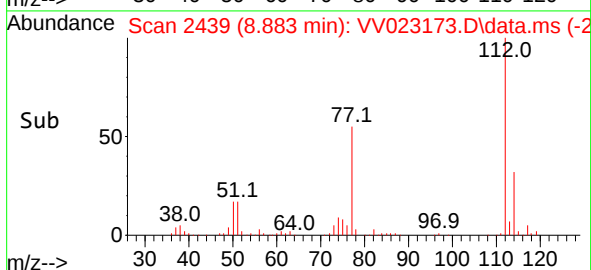
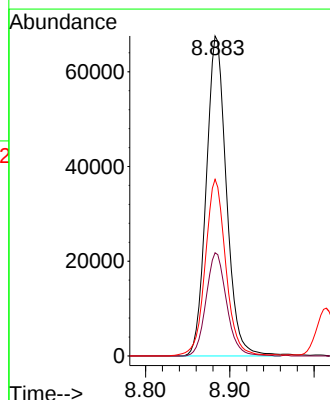
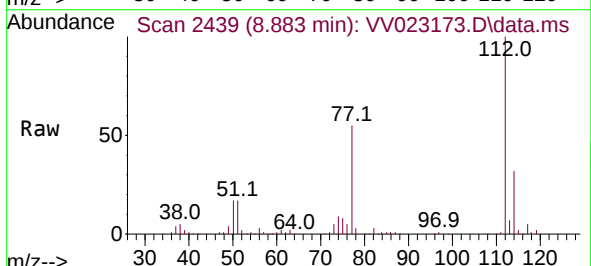
RT: 8.883 min Scan# 2439

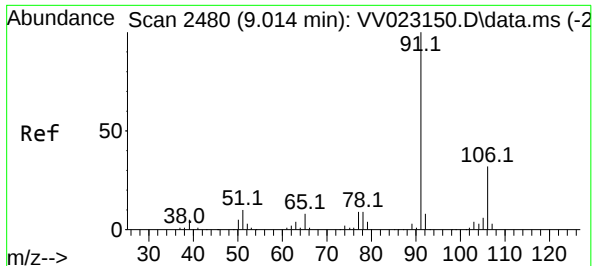
Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 112574    |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 32.3  | 22.0 40.8 |
| 77          | 55.2  | 44.4 66.6 |

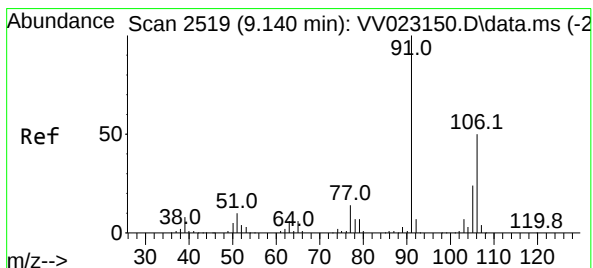
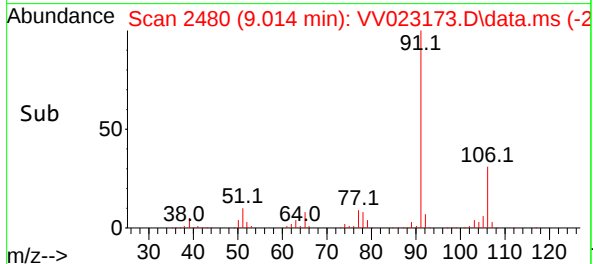
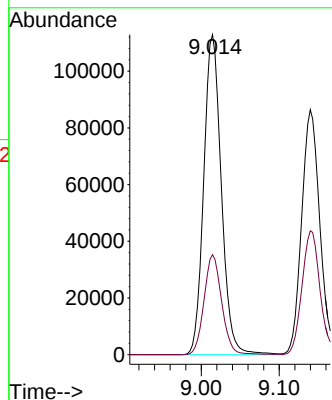
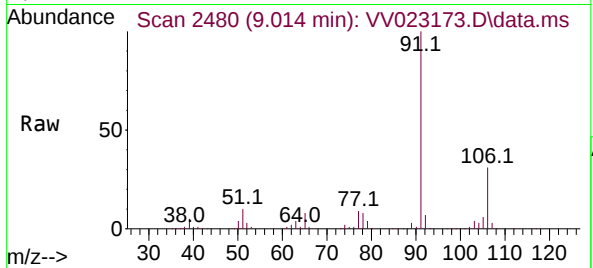




#52  
Ethylbenzene  
Concen: 5.322 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

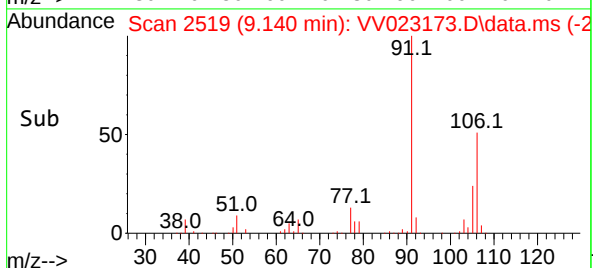
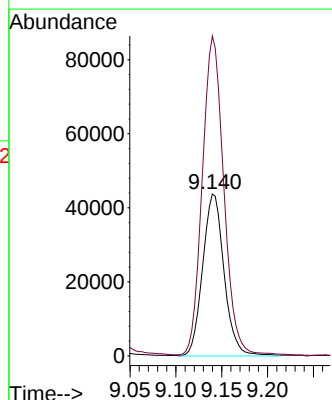
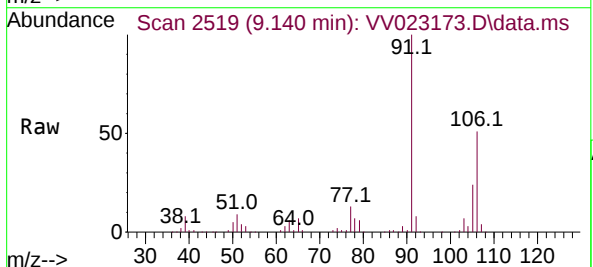
Instrument :  
MSVOA\_V  
ClientSampleId :

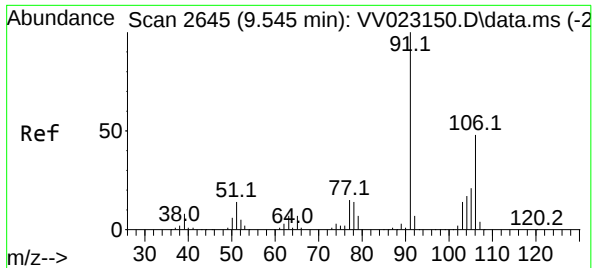
Tgt Ion: 91 Resp: 176993  
Ion Ratio Lower Upper  
91 100  
106 31.2 22.5 41.9



#53  
m,p-xylene  
Concen: 5.340 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

Tgt Ion: 106 Resp: 71217  
Ion Ratio Lower Upper  
106 100  
91 197.7 137.2 254.8

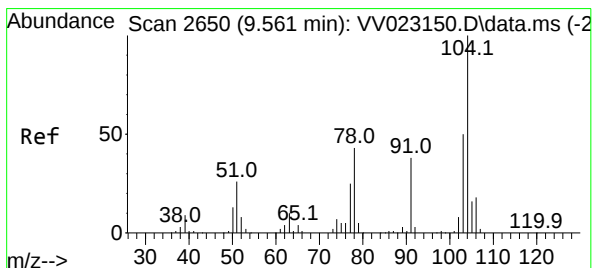
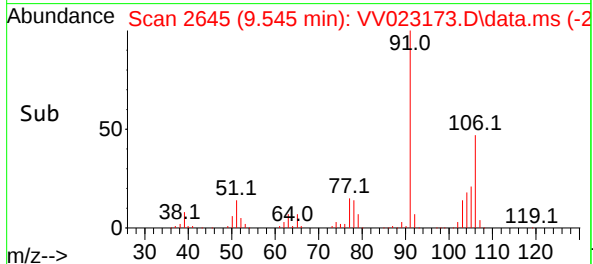
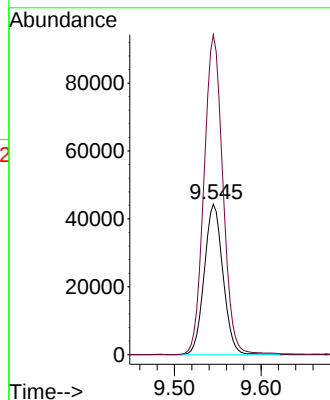
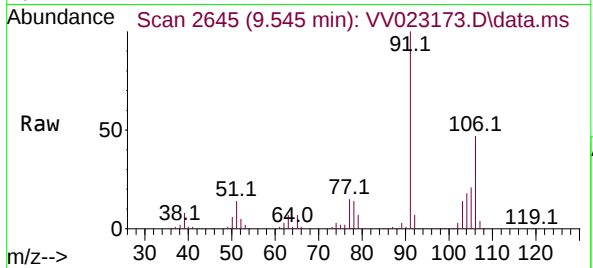




#54  
o-xylene  
Concen: 5.293 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

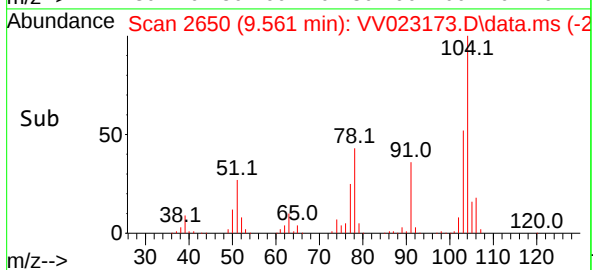
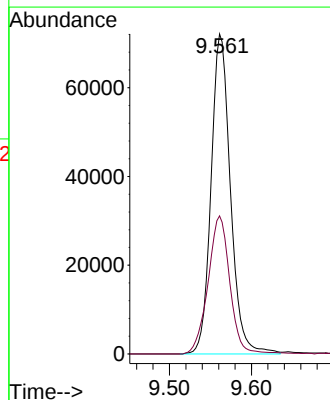
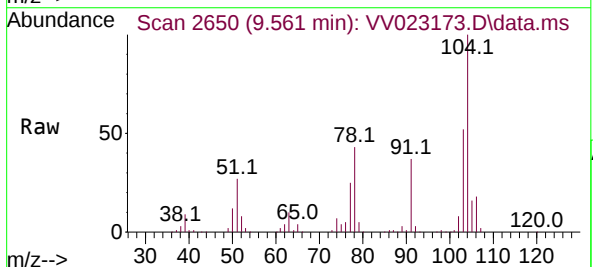
Instrument :  
MSVOA\_V  
ClientSampleId :

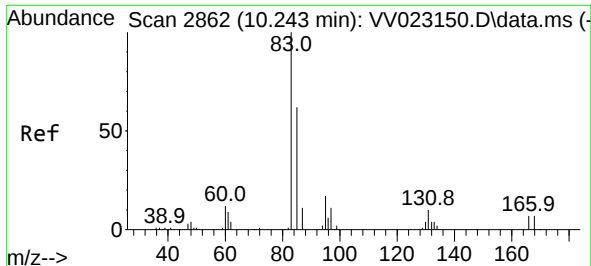
Tgt Ion:106 Resp: 66448  
Ion Ratio Lower Upper  
106 100  
91 212.6 148.3 275.5



#55  
Styrene  
Concen: 5.468 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

Tgt Ion:104 Resp: 118539  
Ion Ratio Lower Upper  
104 100  
78 43.1 29.3 54.3





#57

1,1,2,2-Tetrachloroethane

Concen: 4.944 ug/L

RT: 10.243 min Scan# 2862

Delta R.T. 0.000 min

Lab File: VV023173.D

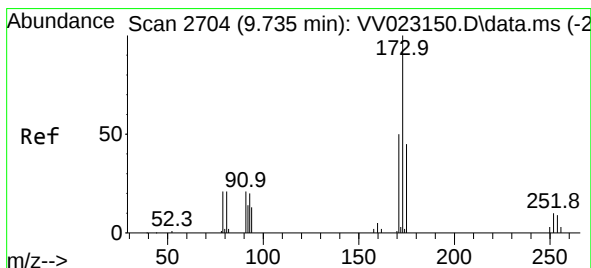
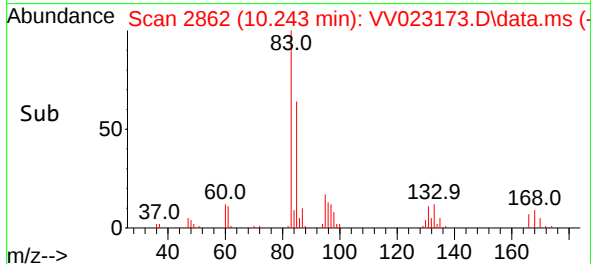
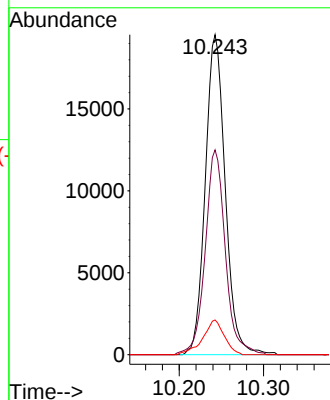
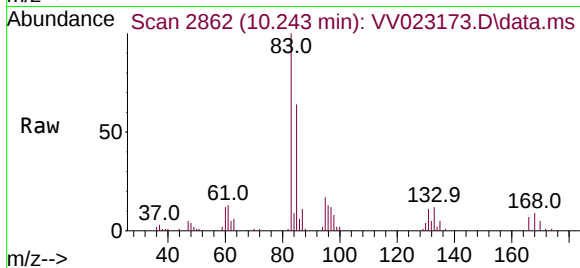
Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 32219 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.0  | 45.1  | 83.9  |
| 131      | 10.9  | 7.8   | 11.6  |



#59

Bromoform

Concen: 4.677 ug/L

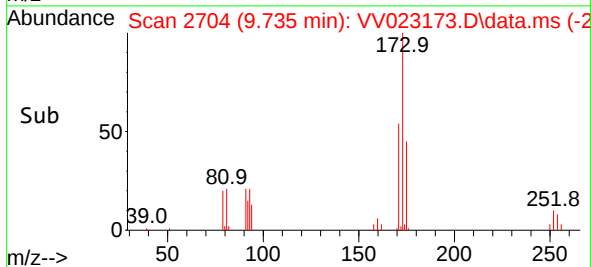
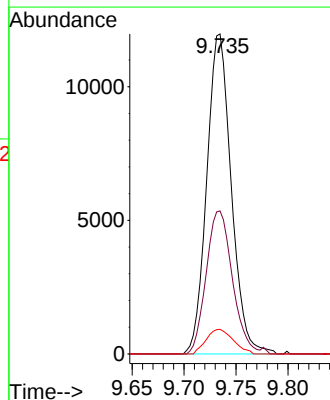
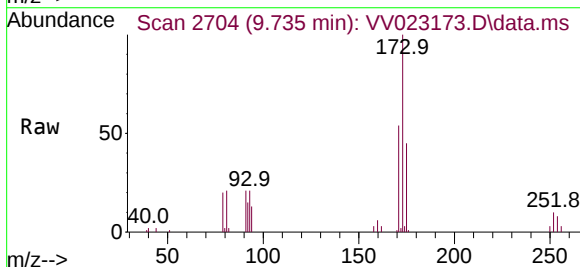
RT: 9.735 min Scan# 2704

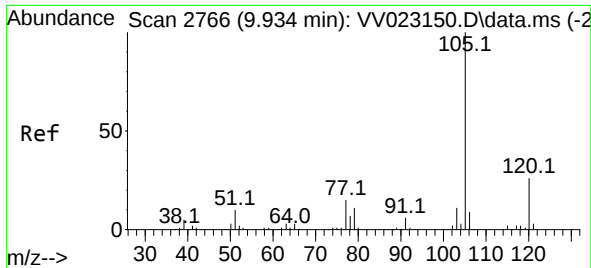
Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 19654 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 48.1  | 38.2  | 57.2  |
| 254      | 8.5   | 6.2   | 9.2   |

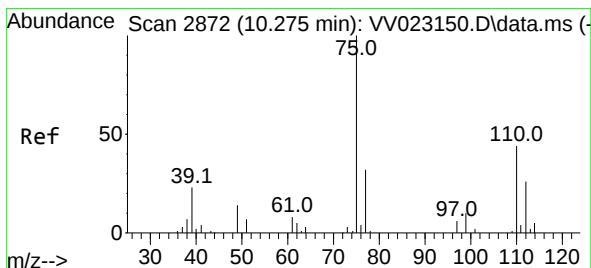
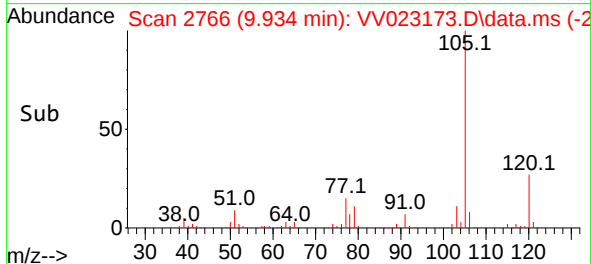
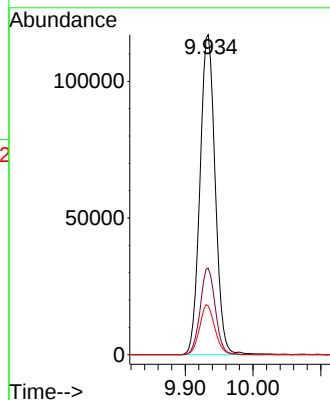
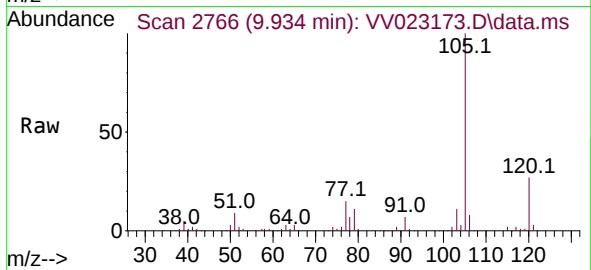




#60  
Isopropylbenzene  
Concen: 5.005 ug/L  
RT: 9.934 min Scan# 2766  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

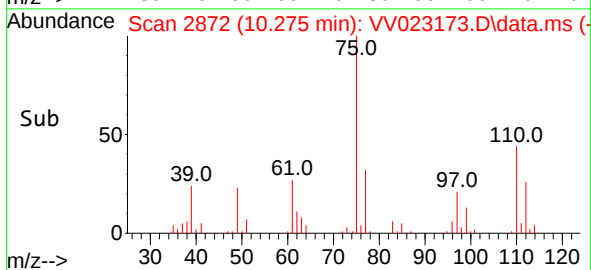
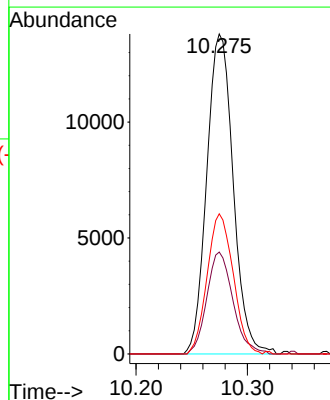
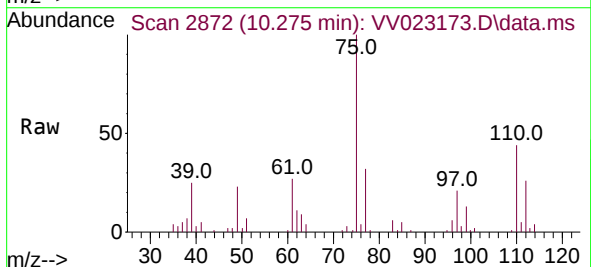
Instrument :  
MSVOA\_V  
ClientSampleId :

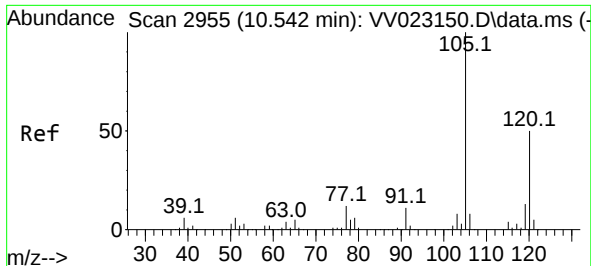
Tgt Ion:105 Resp: 182526  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.7 32.5  
77 15.7 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 4.485 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

Tgt Ion: 75 Resp: 22763  
Ion Ratio Lower Upper  
75 100  
77 31.4 26.6 39.8  
110 43.1 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.934 ug/L

RT: 10.542 min Scan# 2955

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

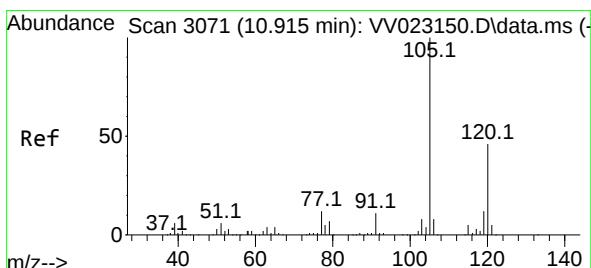
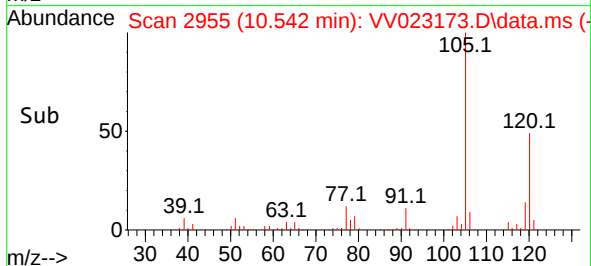
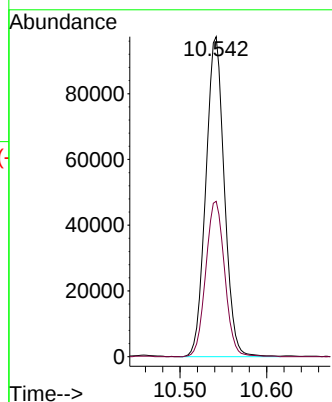
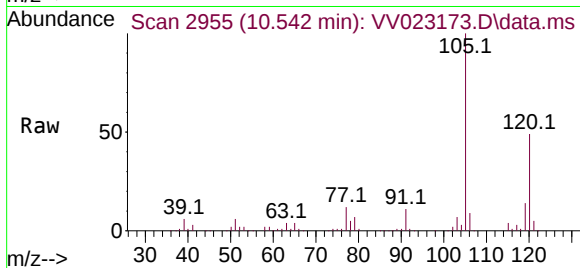
ClientSampleId :

Tgt Ion:105 Resp: 144527

Ion Ratio Lower Upper

105 100

120 49.6 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 5.073 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV023173.D

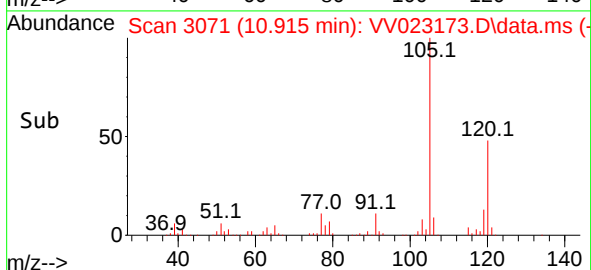
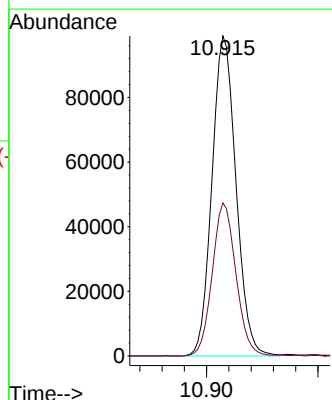
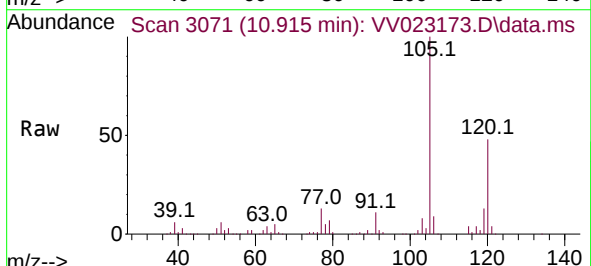
Acq: 03 Nov 2021 01:21

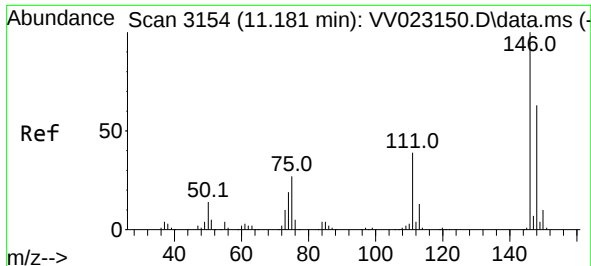
Tgt Ion:105 Resp: 148331

Ion Ratio Lower Upper

105 100

120 47.2 37.4 56.2

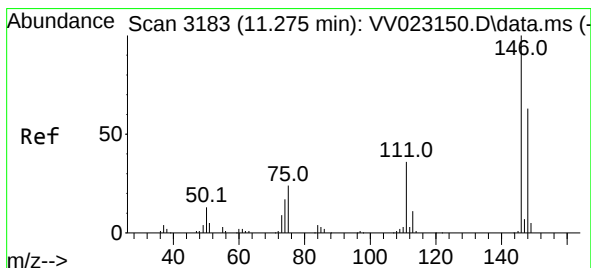
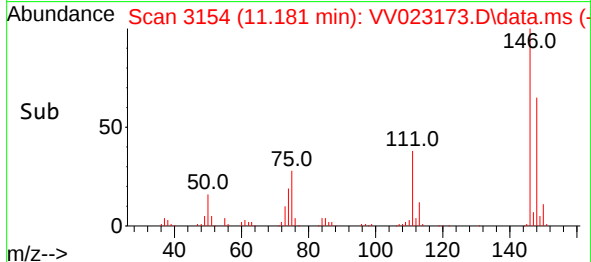
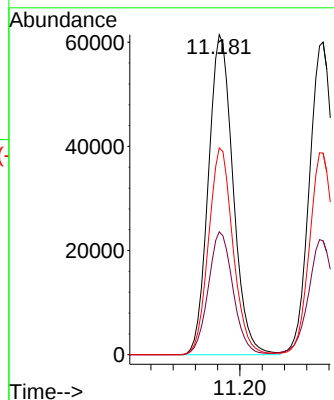
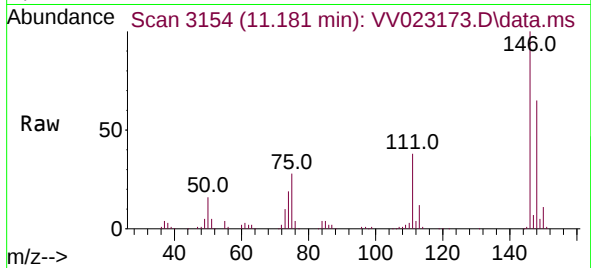




#64  
1,3-Dichlorobenzene  
Concen: 4.935 ug/L  
RT: 11.181 min Scan# 3154  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

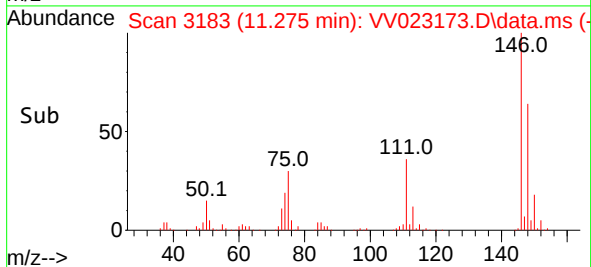
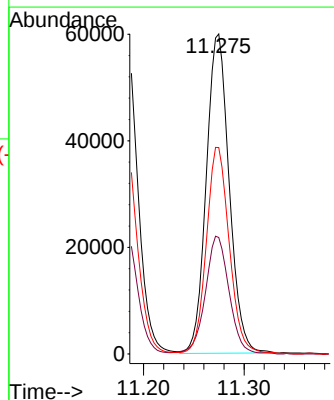
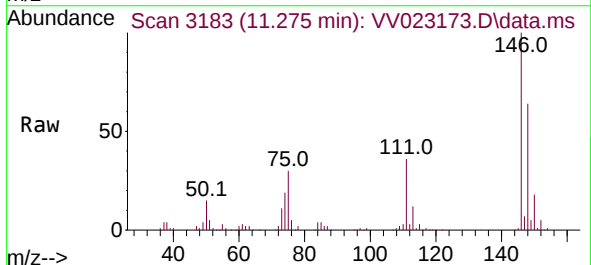
Instrument :  
MSVOA\_V  
ClientSampleId :

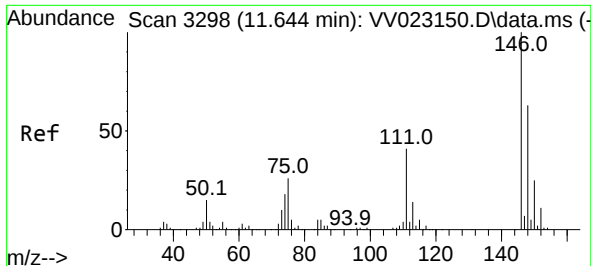
Tgt Ion:146 Resp: 94708  
Ion Ratio Lower Upper  
146 100  
111 38.4 26.7 49.7  
148 64.6 42.9 79.7



#65  
1,4-Dichlorobenzene  
Concen: 4.866 ug/L  
RT: 11.275 min Scan# 3183  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

Tgt Ion:146 Resp: 94854  
Ion Ratio Lower Upper  
146 100  
111 36.4 26.2 48.8  
148 64.5 44.4 82.5

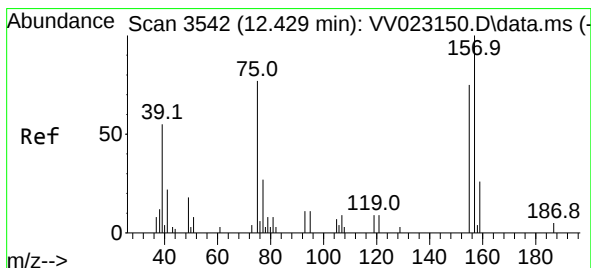
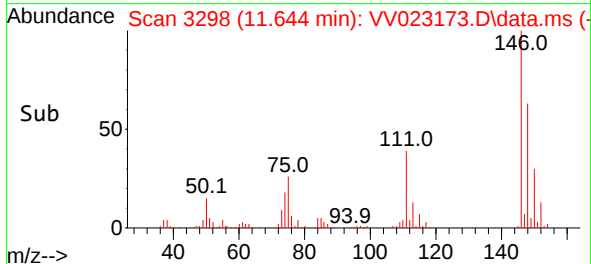
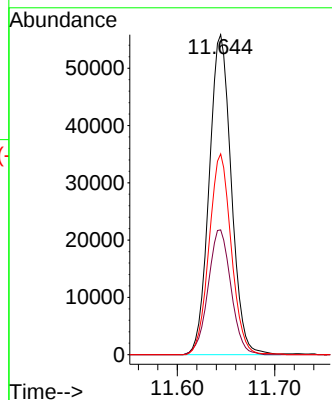
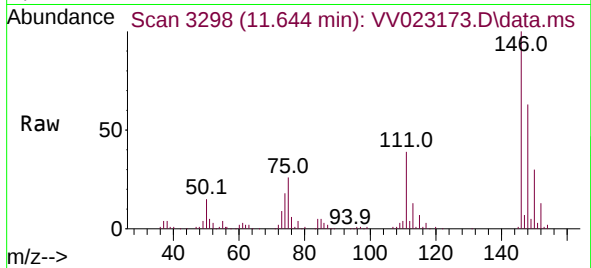




#67  
1,2-Dichlorobenzene  
Concen: 4.922 ug/L  
RT: 11.644 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

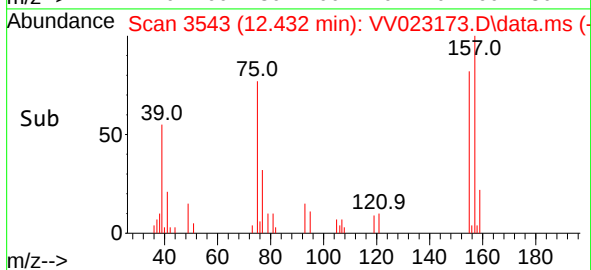
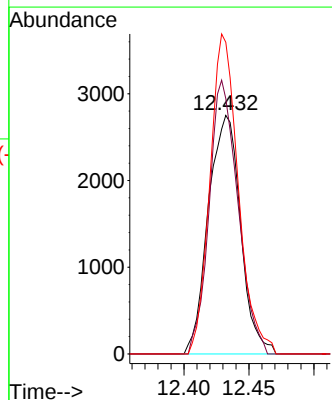
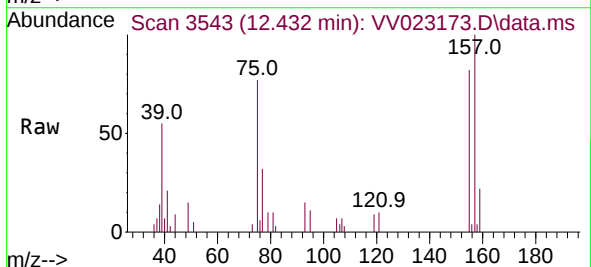
Instrument :  
MSVOA\_V  
ClientSampleId :

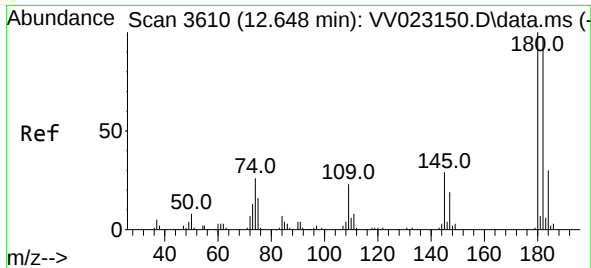
Tgt Ion:146 Resp: 87927  
Ion Ratio Lower Upper  
146 100  
111 39.0 31.6 47.4  
148 62.7 51.0 76.6



#68  
1,2-Dibromo-3-chloropropane  
Concen: 4.731 ug/L  
RT: 12.432 min Scan# 3543  
Delta R.T. 0.003 min  
Lab File: VV023173.D  
Acq: 03 Nov 2021 01:21

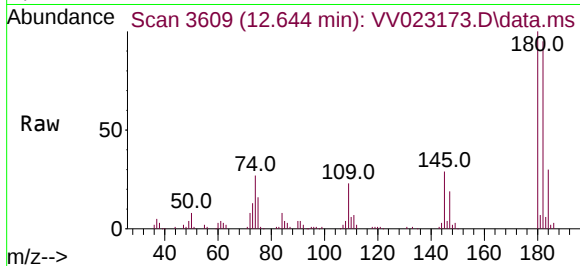
Tgt Ion: 75 Resp: 4738  
Ion Ratio Lower Upper  
75 100  
155 107.1 67.7 101.5#  
157 130.6 87.9 131.9



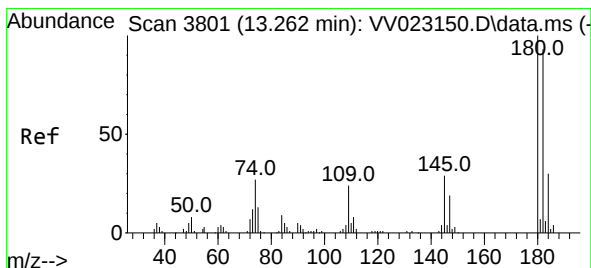
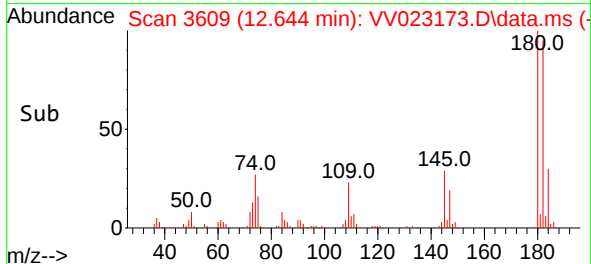
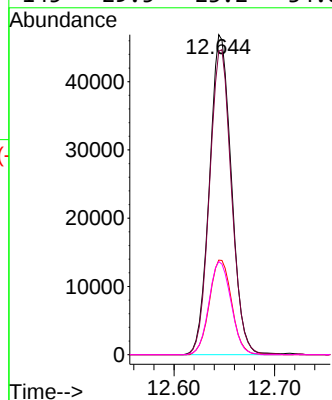


#69  
 1,3,5-Trichlorobenzene  
 Concen: 4.850 ug/L  
 RT: 12.644 min Scan# 3610  
 Delta R.T. -0.003 min  
 Lab File: VV023173.D  
 Acq: 03 Nov 2021 01:21

Instrument :  
 MSVOA\_V  
 ClientSampleId :

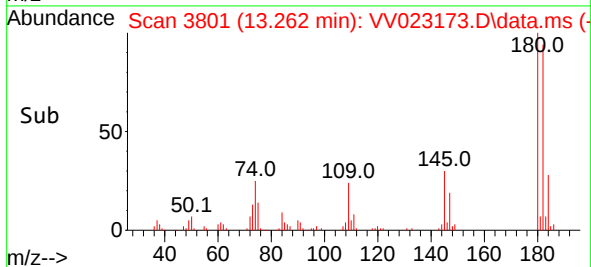
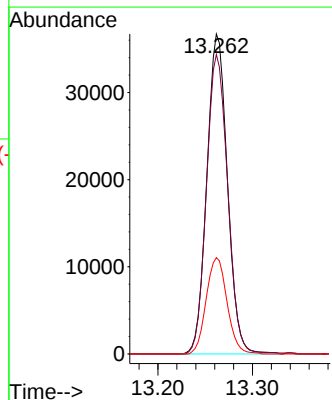
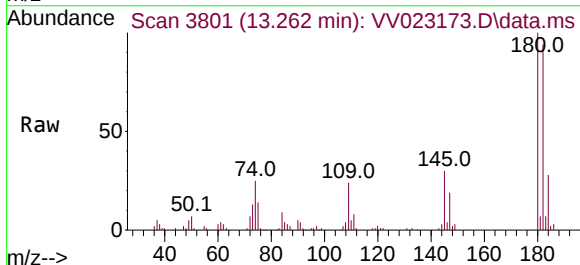


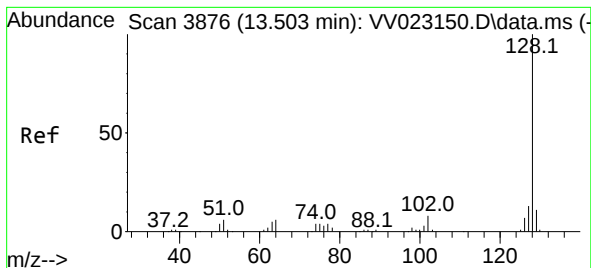
Tgt Ion:180 Resp: 70887  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 74.9 112.3  
 184 30.0 23.8 35.8  
 145 29.5 23.2 34.8



#70  
 1,2,4-trichlorobenzene  
 Concen: 5.084 ug/L  
 RT: 13.262 min Scan# 3801  
 Delta R.T. 0.000 min  
 Lab File: VV023173.D  
 Acq: 03 Nov 2021 01:21

Tgt Ion:180 Resp: 55601  
 Ion Ratio Lower Upper  
 180 100  
 182 96.3 76.9 115.3  
 145 30.5 24.4 36.6





#71

Naphthalene

Concen: 4.985 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Instrument :

MSVOA\_V

ClientSampleId :

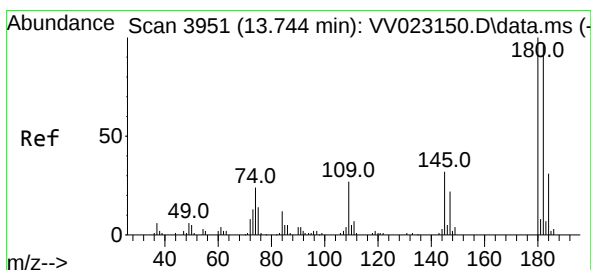
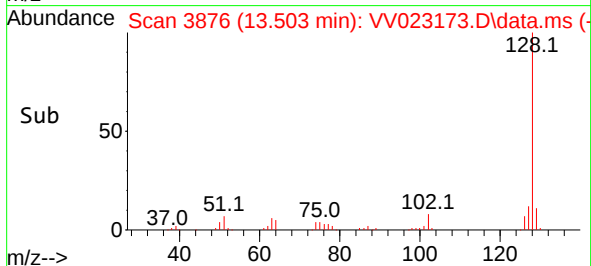
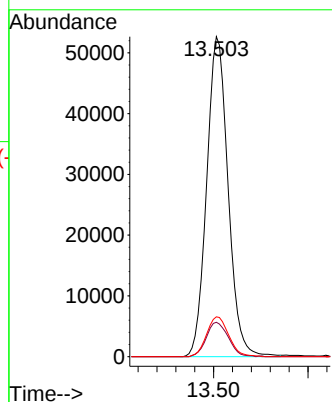
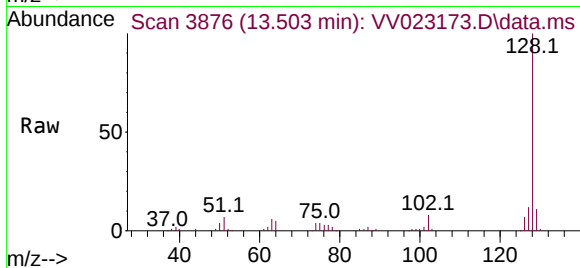
Tgt Ion:128 Resp: 82894

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 12.8 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 4.980 ug/L

RT: 13.744 min Scan# 3951

Delta R.T. 0.000 min

Lab File: VV023173.D

Acq: 03 Nov 2021 01:21

Tgt Ion:180 Resp: 50563

Ion Ratio Lower Upper

180 100

182 95.0 76.7 115.1

145 31.3 25.7 38.5

