

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW092923\  
 Data File : VW032186.D  
 Acq On : 29 Sep 2023 11:36  
 Operator : SY/MD  
 Sample : VSTD020  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 30 04:10:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 30 04:07:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.538  | 114  | 112455   | 5.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117  | 108737   | 5.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152  | 58820    | 5.000   | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 207149   | 28.665  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 165776   | 23.655  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65   | 84967    | 22.193  | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 3.812  | 46   | 545901   | 239.407 | ug/L  | -0.01    |
| 24) Chloroform-d              | 4.249  | 84   | 362492   | 19.368  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65   | 173508   | 19.068  | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.963  | 84   | 734109   | 24.379  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67   | 231602   | 22.119  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.246  | 98   | 675507   | 25.140  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.554  | 79   | 93376    | 28.145  | ug/L  | 0.00     |
| 46) 2-Hexanone-d5             | 8.027  | 63   | 440121   | 279.655 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84   | 171147   | 24.194  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152  | 239098   | 22.700  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 255004   | 24.108  | ug/L  | 99       |
| 3) Chloromethane              | 1.217  | 50   | 247705   | 23.915  | ug/L  | 99       |
| 5) Vinyl chloride             | 1.281  | 62   | 242063   | 23.949  | ug/L  | 100      |
| 6) Bromomethane               | 1.487  | 94   | 144414   | 22.175  | ug/L  | 98       |
| 8) Chloroethane               | 1.548  | 64   | 144034   | 23.207  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 293446   | 19.608  | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 175500   | 20.562  | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 164978   | 21.761  | ug/L  | 96       |
| 13) Acetone                   | 2.166  | 43   | 366171   | 260.364 | ug/L  | 99       |
| 14) Carbon disulfide          | 2.240  | 76   | 592851   | 26.969  | ug/L  | 99       |
| 15) Methyl Acetate            | 2.387  | 43   | 89168    | 24.754  | ug/L  | 99       |
| 16) Methylene chloride        | 2.445  | 84   | 193398   | 19.111  | ug/L  | 98       |
| 17) Methyl tert-butyl Ether   | 2.709  | 73   | 467739   | 27.968  | ug/L  | 100      |
| 18) trans-1,2-Dichloroethene  | 2.693  | 96   | 188897   | 25.499  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.111  | 63   | 359537   | 23.608  | ug/L  | 100      |
| 21) 2-Butanone                | 3.892  | 43   | 583191   | 295.500 | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96   | 209786   | 27.348  | ug/L  | 95       |
| 23) Bromochloromethane        | 4.149  | 128  | 89314    | 24.129  | ug/L  | 98       |
| 25) Chloroform                | 4.278  | 83   | 351496   | 22.141  | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 209721   | 22.354  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.513  | 97   | 300950   | 23.544  | ug/L  | 98       |
| 30) Cyclohexane               | 4.584  | 56   | 331733   | 32.836  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 259081   | 23.469  | ug/L  | 98       |
| 33) Benzene                   | 5.011  | 78   | 772648   | 27.607  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 212283   | 26.762  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.053  | 83   | 327716   | 33.494  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 200980   | 25.800  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.436  | 83   | 254261   | 25.030  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 322004   | 32.913  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 1344885  | 310.236 | ug/L  | 99       |
| 42) Toluene                   | 7.317  | 91   | 834613   | 29.760  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 262778   | 31.038  | ug/L  | 100      |

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 Sample : VSTD020  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

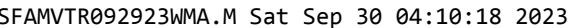
Instrument :  
 MSVOA\_V  
 ClientSampleId :

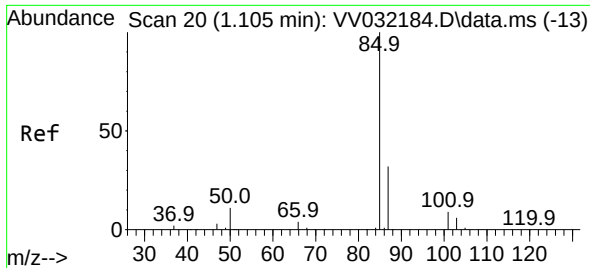
Quant Time: Sep 30 04:10:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 30 04:07:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 143619   | 24.602  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.908  | 164  | 157221   | 27.153  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.079  | 43   | 969265   | 293.047 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.181  | 129  | 162339   | 25.192  | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 137955   | 25.700  | ug/L  | 96       |
| 51) Chlorobenzene             | 8.815  | 112  | 528238   | 27.641  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.950  | 91   | 929428   | 31.749  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 351156   | 32.878  | ug/L  | 100      |
| 54) o-Xylene                  | 9.480  | 106  | 340517   | 33.538  | ug/L  | 99       |
| 55) Styrene                   | 9.496  | 104  | 591334   | 32.494  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 163473   | 27.193  | ug/L  | 98       |
| 59) Bromoform                 | 9.667  | 173  | 91205    | 25.148  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.869  | 105  | 925497   | 32.825  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 120466   | 23.351  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 766914   | 33.234  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 774034   | 33.459  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 427824   | 28.000  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 428612   | 27.793  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.583 | 146  | 386604   | 26.821  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 27556    | 27.781  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 319352   | 28.910  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 286125   | 30.045  | ug/L  | 99       |
| 71) Naphthalene               | 13.442 | 128  | 506907   | 35.129  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 250187   | 29.554  | ug/L  | 99       |
| -----                         |        |      |          |         |       |          |

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

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QLast Update : Sat Sep 30 04:07:23 2023  
Response via : Initial Calibration

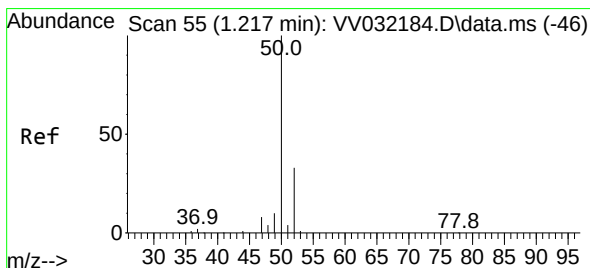
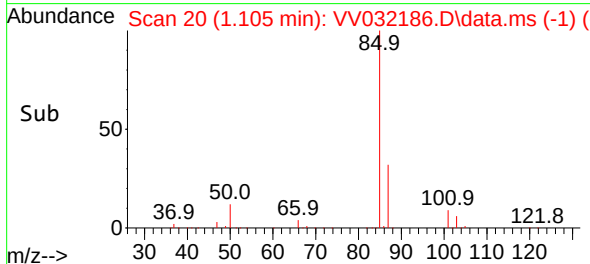
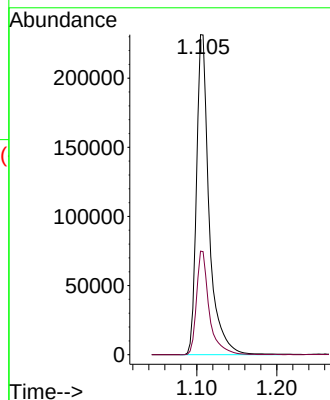
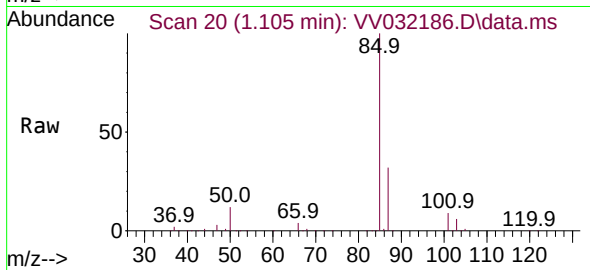




#2  
Dichlorodifluoromethane  
Concen: 24.108 ug/L  
RT: 1.105 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

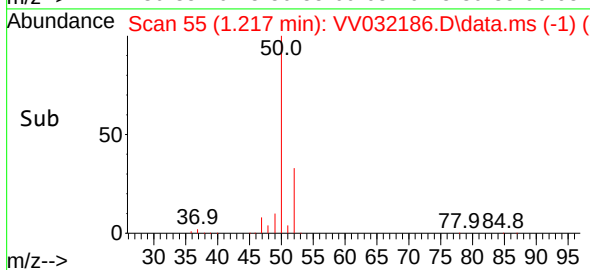
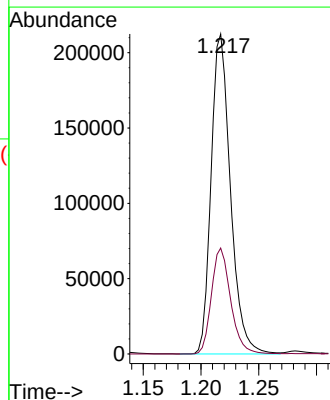
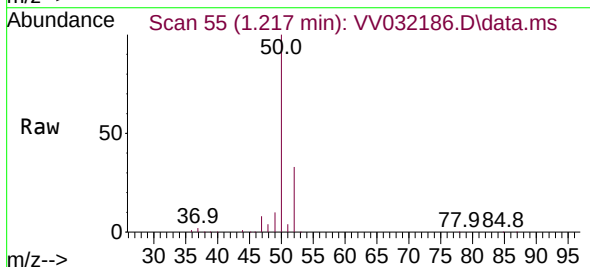
Instrument :  
MSVOA\_V  
ClientSampleId :

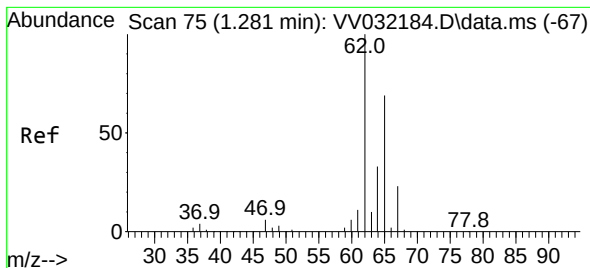
Tgt Ion: 85 Resp: 255004  
Ion Ratio Lower Upper  
85 100  
87 32.4 25.5 38.3



#3  
Chloromethane  
Concen: 23.915 ug/L  
RT: 1.217 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

Tgt Ion: 50 Resp: 247705  
Ion Ratio Lower Upper  
50 100  
52 33.1 23.0 42.6





#5

Vinyl chloride

Concen: 23.949 ug/L

RT: 1.281 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

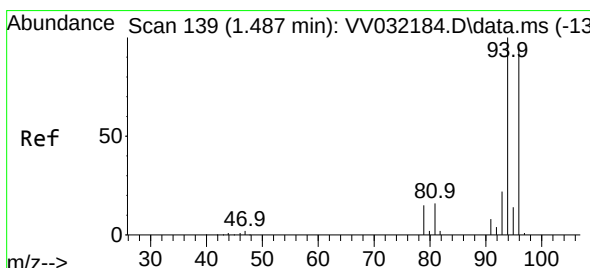
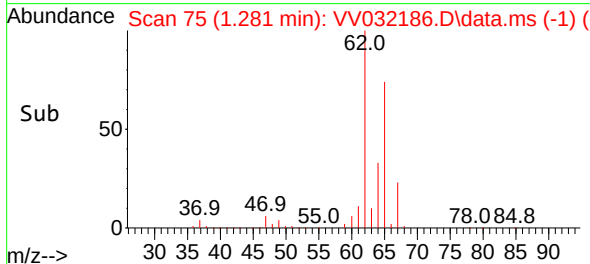
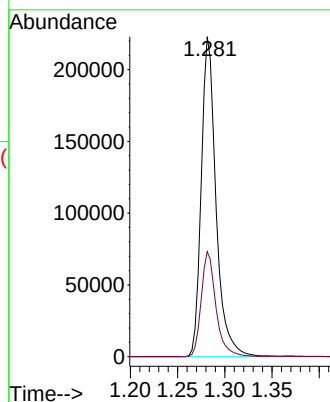
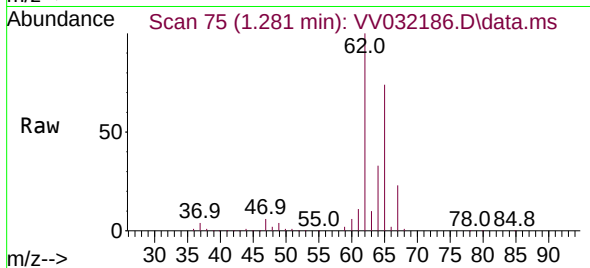
ClientSampleId :

Tgt Ion: 62 Resp: 242063

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



#6

Bromomethane

Concen: 22.175 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.000 min

Lab File: VV032186.D

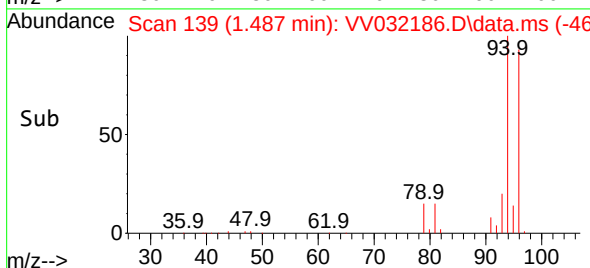
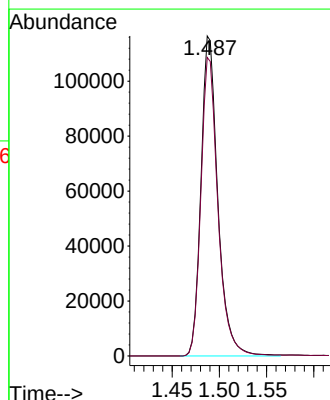
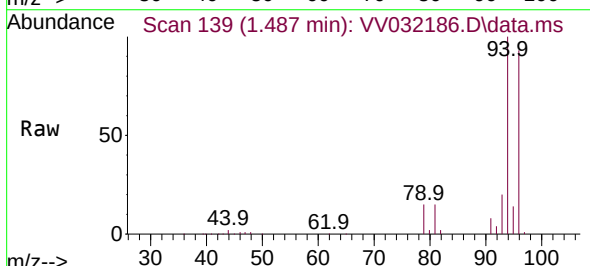
Acq: 29 Sep 2023 11:36

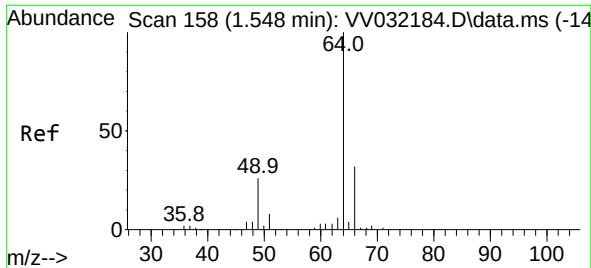
Tgt Ion: 94 Resp: 144414

Ion Ratio Lower Upper

94 100

96 93.3 66.8 124.2

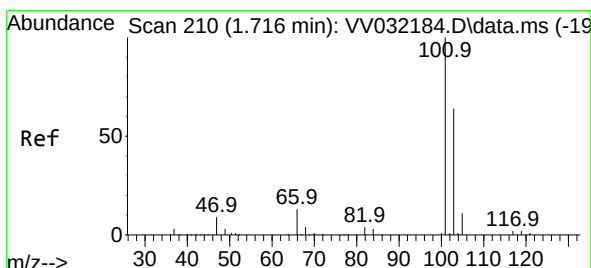
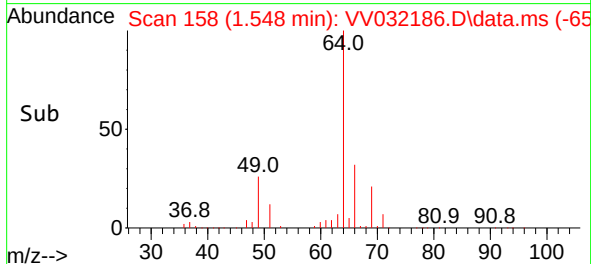
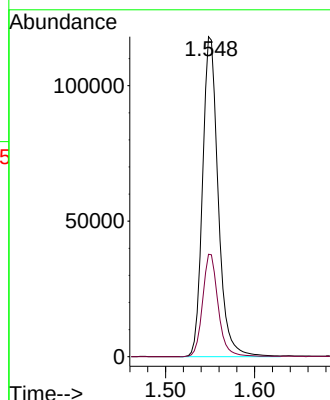
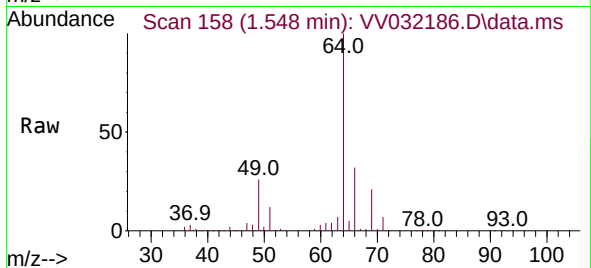




#8  
Chloroethane  
Concen: 23.207 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

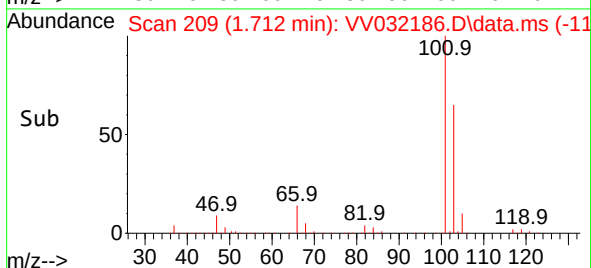
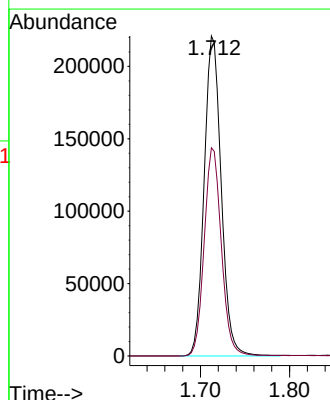
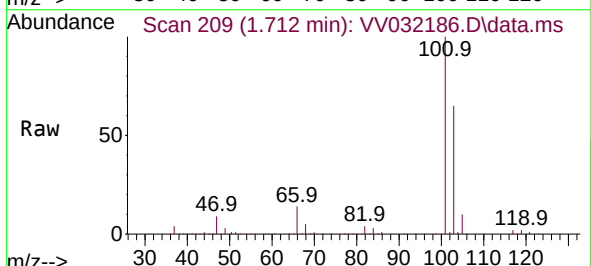
Instrument :  
MSVOA\_V  
ClientSampleId :

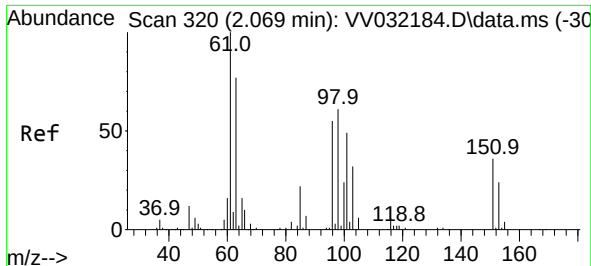
Tgt Ion: 64 Resp: 144034  
Ion Ratio Lower Upper  
64 100  
66 32.0 22.6 42.0



#9  
Trichlorofluoromethane  
Concen: 19.608 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. -0.003 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

Tgt Ion:101 Resp: 293446  
Ion Ratio Lower Upper  
101 100  
103 65.5 51.4 77.2





#10

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

Concen: 20.562 ug/L

RT: 2.066 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

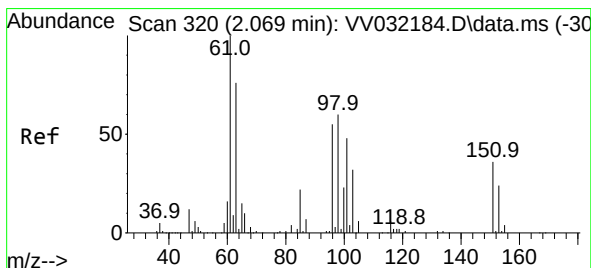
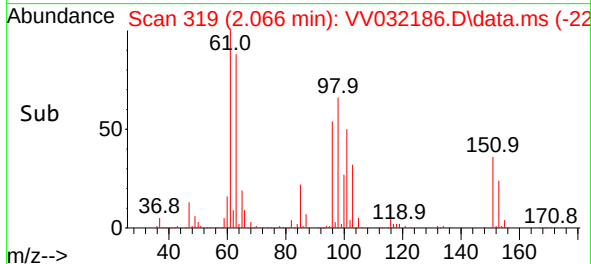
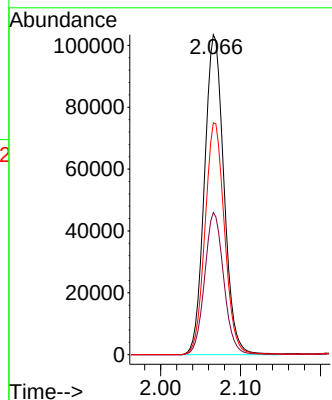
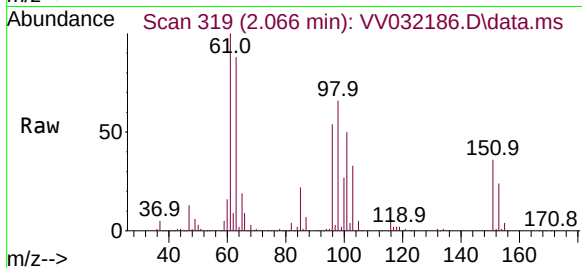
Tgt Ion:101 Resp: 175500

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.6

151 72.7 56.6 84.8



#12

1,1-Dichloroethene

Concen: 21.761 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.000 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

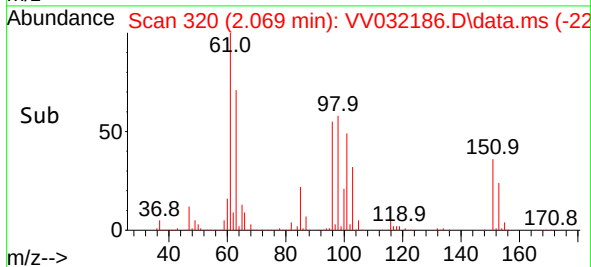
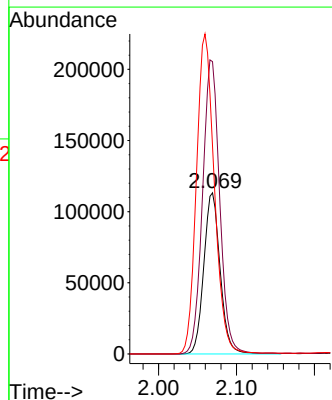
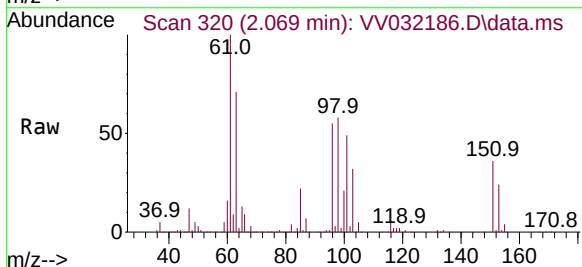
Tgt Ion: 96 Resp: 164978

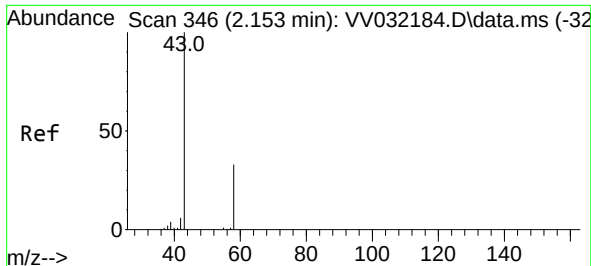
Ion Ratio Lower Upper

96 100

61 181.4 127.3 236.3

63 129.1 98.3 182.7





#13

Acetone

Concen: 260.364 ug/L

RT: 2.166 min Scan# 3

Delta R.T. 0.013 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

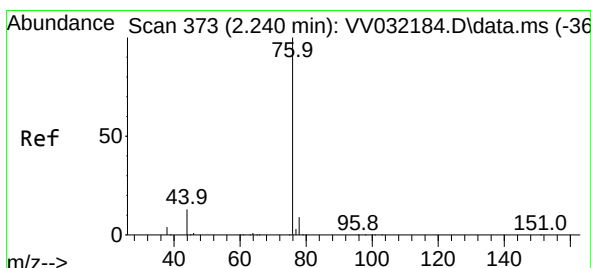
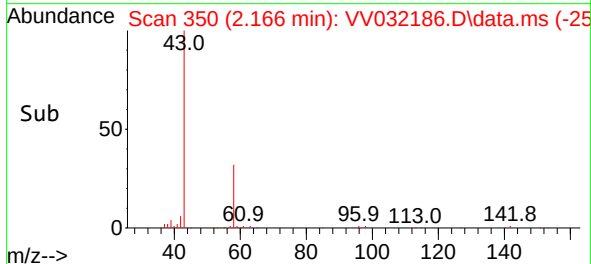
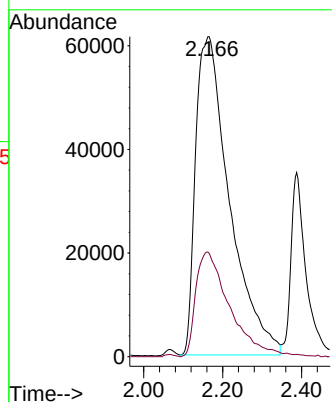
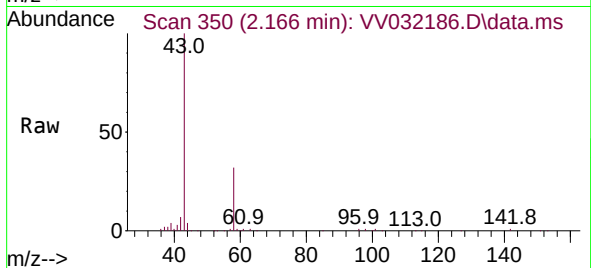
ClientSampleId :

Tgt Ion: 43 Resp: 366171

Ion Ratio Lower Upper

43 100

58 32.5 0.0 66.0



#14

Carbon disulfide

Concen: 26.969 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV032186.D

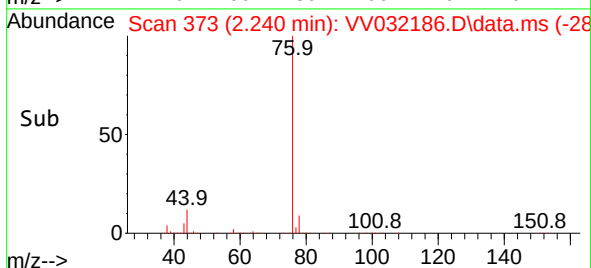
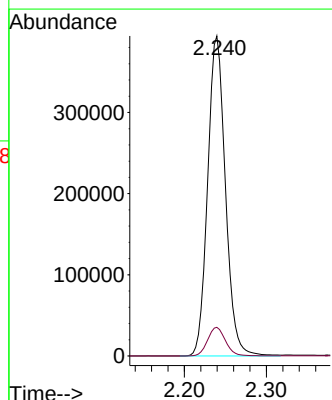
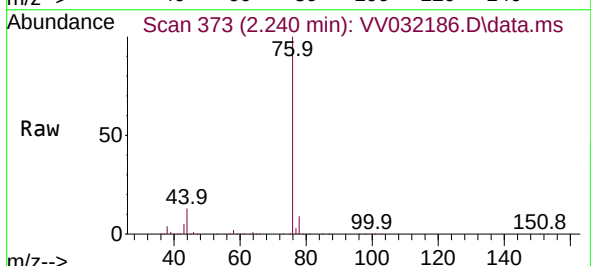
Acq: 29 Sep 2023 11:36

Tgt Ion: 76 Resp: 592851

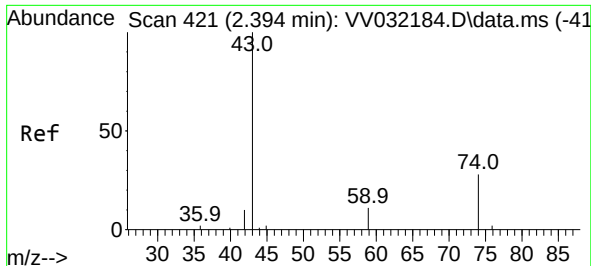
Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2



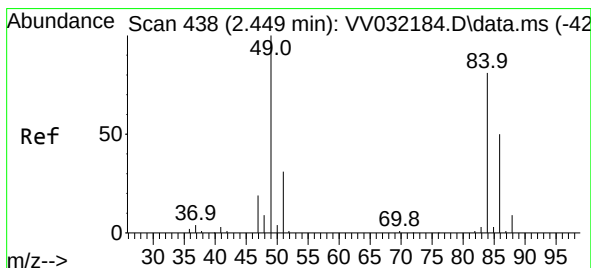
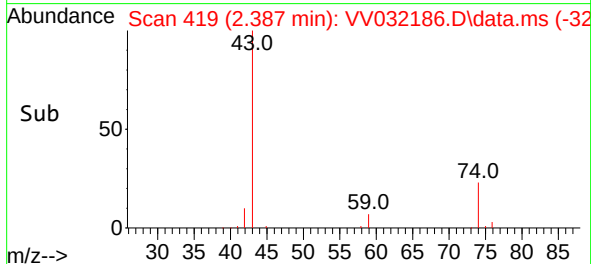
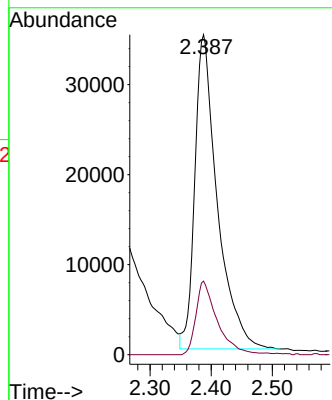
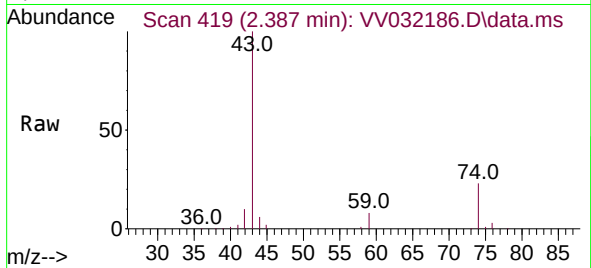




#15  
Methyl Acetate  
Concen: 24.754 ug/L  
RT: 2.387 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

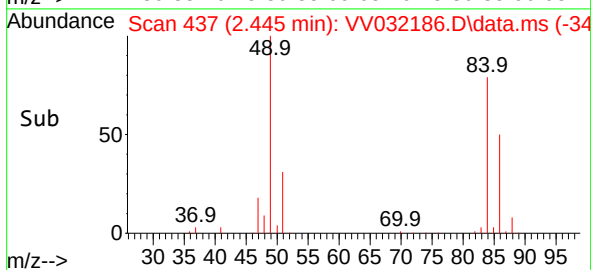
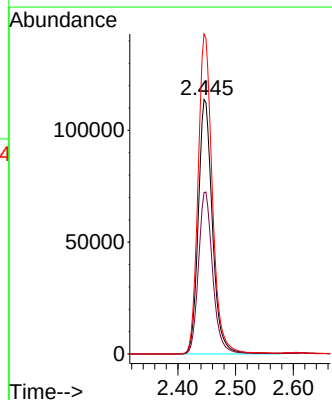
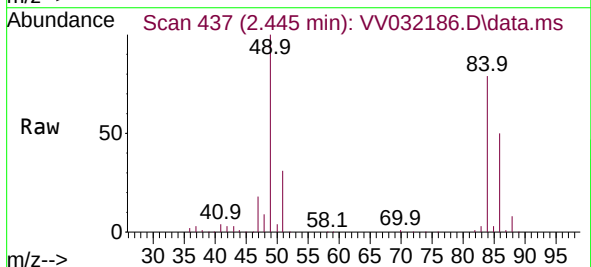
Instrument :  
MSVOA\_V  
ClientSampleId :

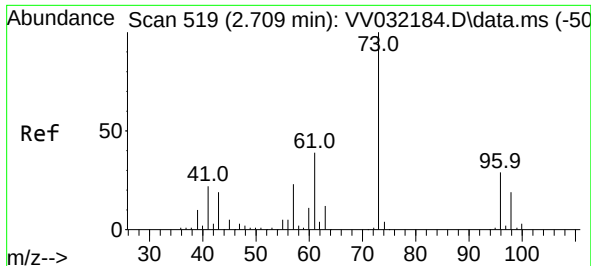
Tgt Ion: 43 Resp: 89168  
Ion Ratio Lower Upper  
43 100  
74 22.1 18.0 27.0



#16  
Methylene chloride  
Concen: 19.111 ug/L  
RT: 2.445 min Scan# 437  
Delta R.T. -0.003 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

Tgt Ion: 84 Resp: 193398  
Ion Ratio Lower Upper  
84 100  
86 63.5 43.2 80.2  
49 125.8 86.3 160.3





#17

Methyl tert-butyl Ether

Concen: 27.968 ug/L

RT: 2.709 min Scan# 519

Delta R.T. -0.000 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

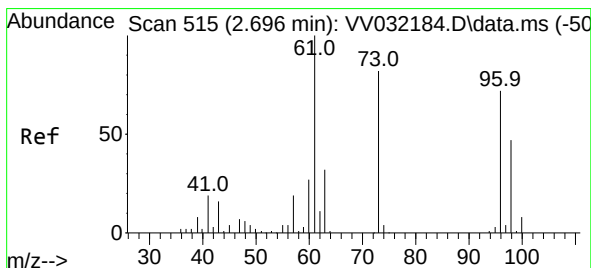
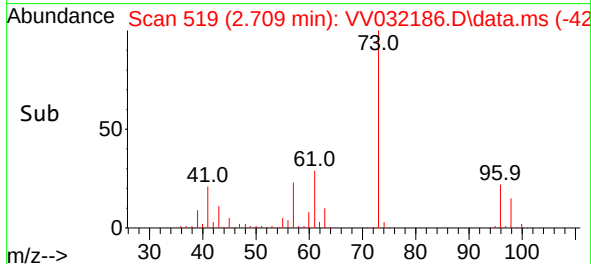
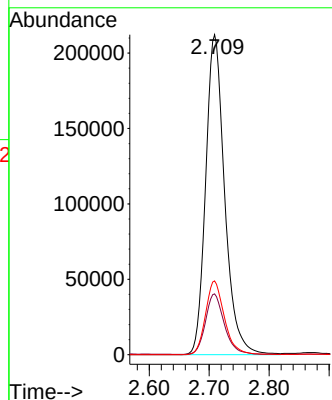
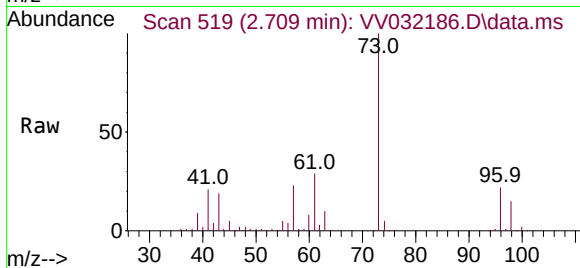
Tgt Ion: 73 Resp: 467739

Ion Ratio Lower Upper

73 100

43 18.7 15.1 22.7

57 23.0 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 25.499 ug/L

RT: 2.693 min Scan# 514

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

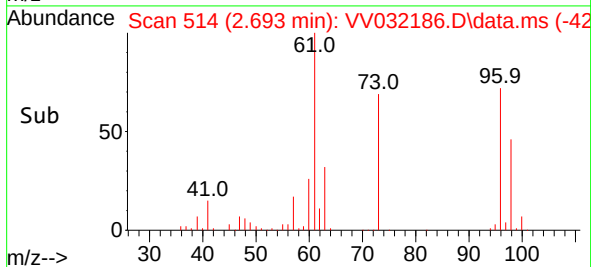
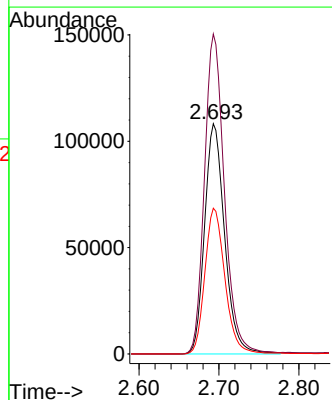
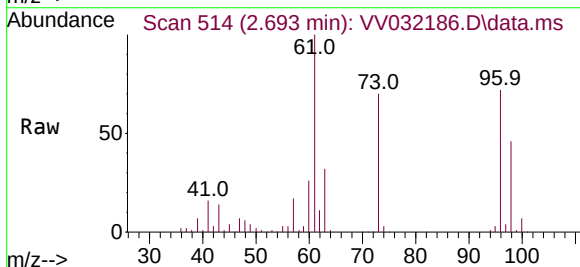
Tgt Ion: 96 Resp: 188897

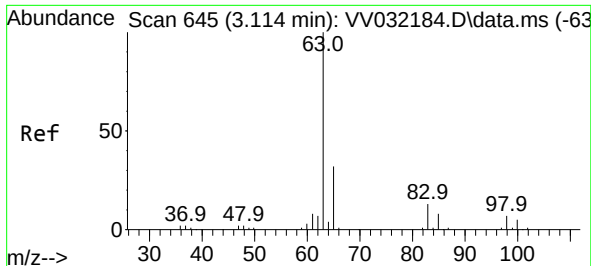
Ion Ratio Lower Upper

96 100

61 138.9 96.9 180.1

98 63.3 45.3 84.1





#19

1,1-Dichloroethane

Concen: 23.608 ug/L

RT: 3.111 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

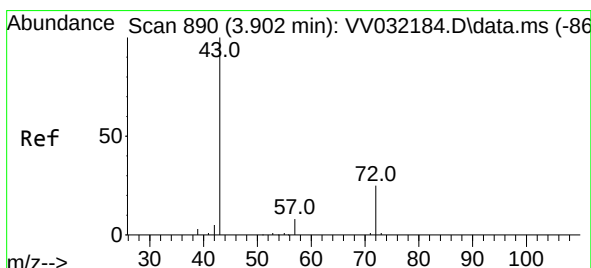
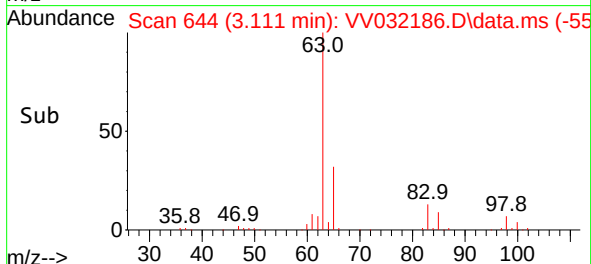
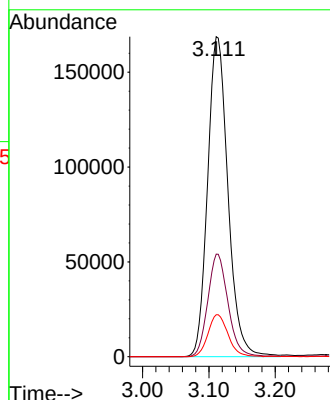
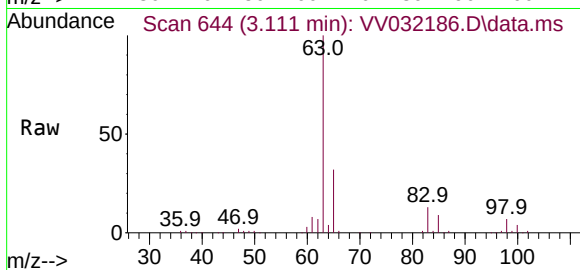
Tgt Ion: 63 Resp: 359537

Ion Ratio Lower Upper

63 100

65 32.1 22.3 41.5

83 13.1 9.0 16.6



#21

2-Butanone

Concen: 295.500 ug/L

RT: 3.892 min Scan# 887

Delta R.T. -0.010 min

Lab File: VV032186.D

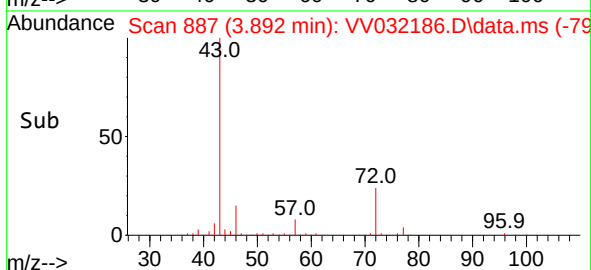
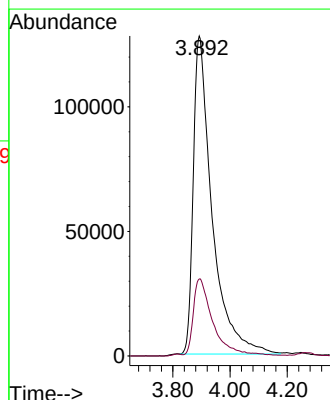
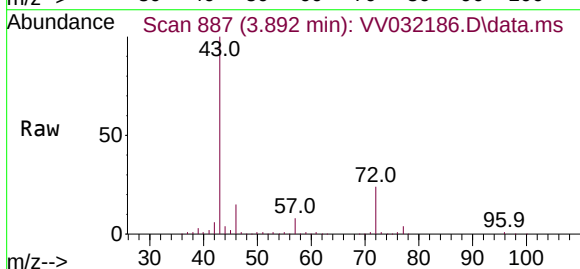
Acq: 29 Sep 2023 11:36

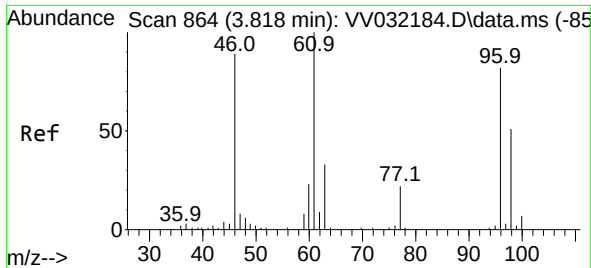
Tgt Ion: 43 Resp: 583191

Ion Ratio Lower Upper

43 100

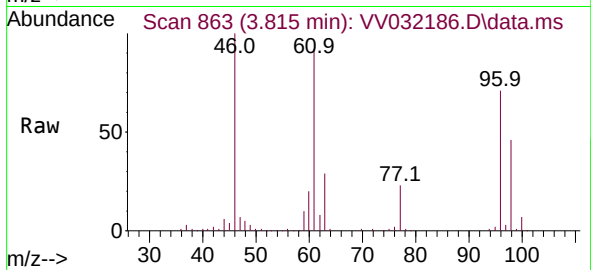
72 23.6 11.6 34.8





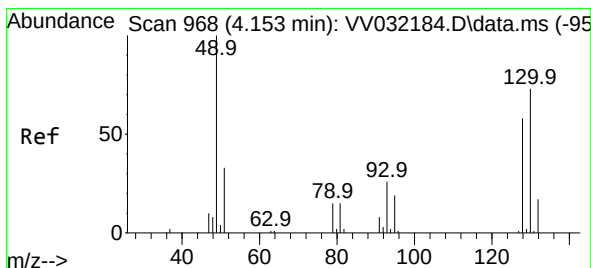
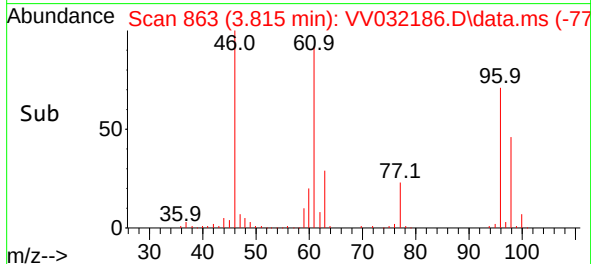
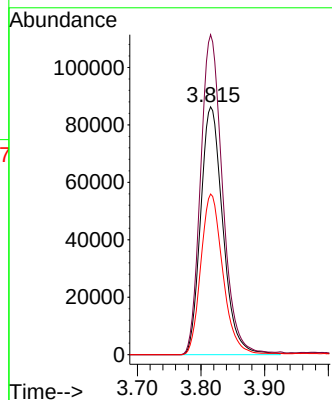
#22  
 cis-1,2-Dichloroethene  
 Concen: 27.348 ug/L  
 RT: 3.815 min Scan# 864  
 Delta R.T. -0.003 min  
 Lab File: VV032186.D  
 Acq: 29 Sep 2023 11:36

Instrument :  
 MSVOA\_V  
 ClientSampleId :



Tgt Ion: 96 Resp: 209786

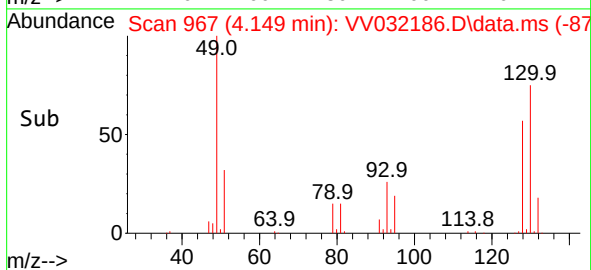
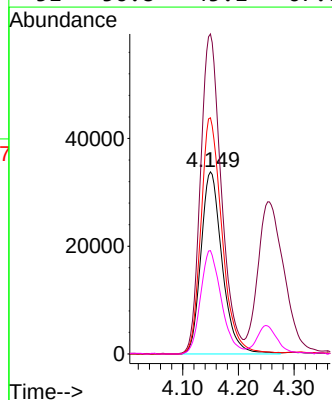
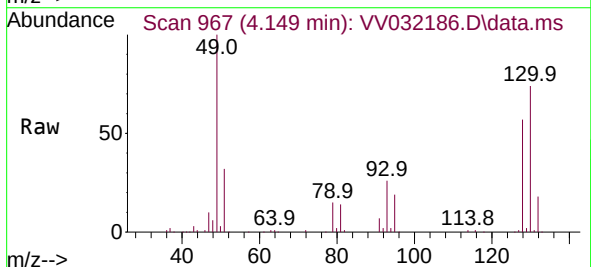
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 129.1 | 85.8  | 159.4 |
| 98  | 64.8  | 44.0  | 81.6  |

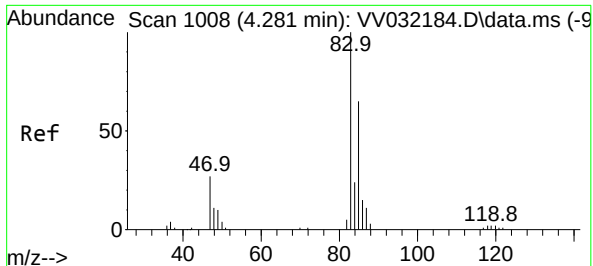


#23  
 Bromochloromethane  
 Concen: 24.129 ug/L  
 RT: 4.149 min Scan# 967  
 Delta R.T. -0.003 min  
 Lab File: VV032186.D  
 Acq: 29 Sep 2023 11:36

Tgt Ion: 128 Resp: 89314

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 175.7 | 121.2 | 225.0 |
| 130 | 129.7 | 88.2  | 163.8 |
| 51  | 56.8  | 45.1  | 67.7  |





#25

Chloroform

Concen: 22.141 ug/L

RT: 4.278 min Scan# 1007

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

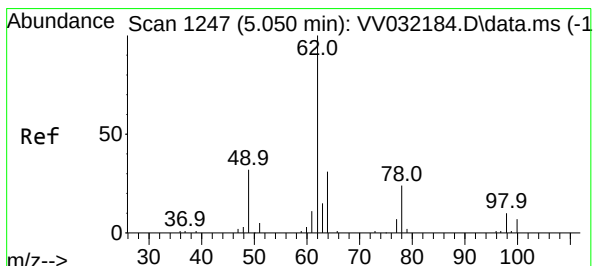
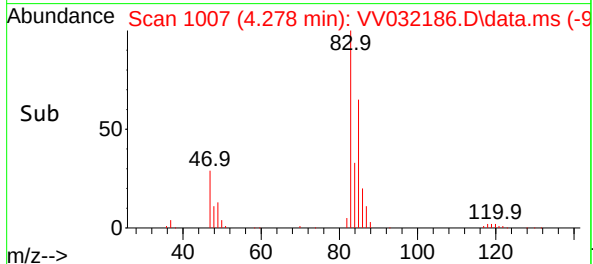
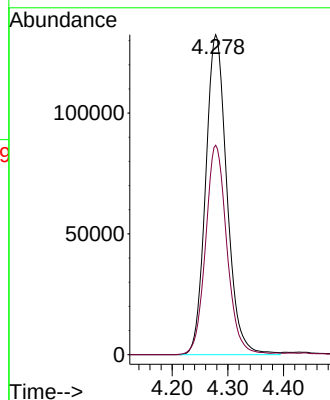
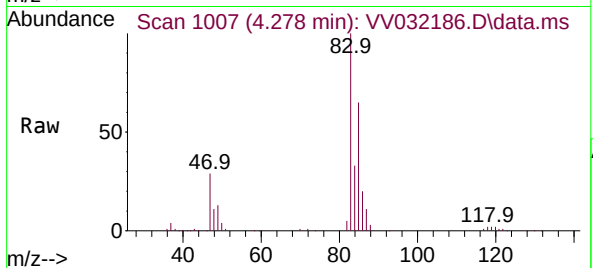
ClientSampleId :

Tgt Ion: 83 Resp: 351496

Ion Ratio Lower Upper

83 100

85 65.5 45.4 84.4



#27

1,2-Dichloroethane

Concen: 22.354 ug/L

RT: 5.043 min Scan# 1245

Delta R.T. -0.006 min

Lab File: VV032186.D

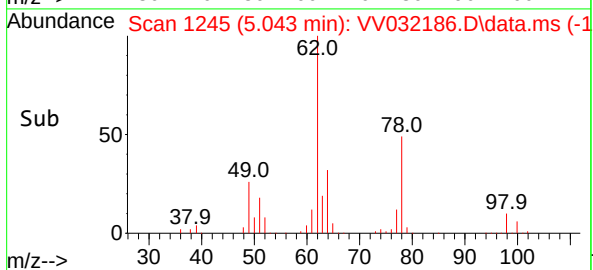
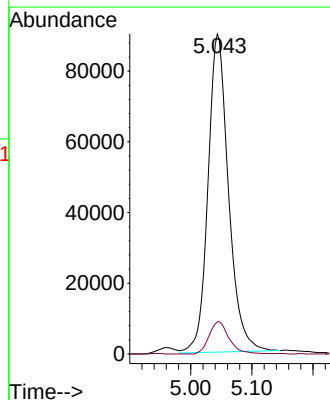
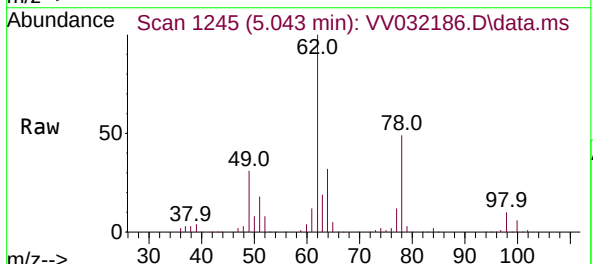
Acq: 29 Sep 2023 11:36

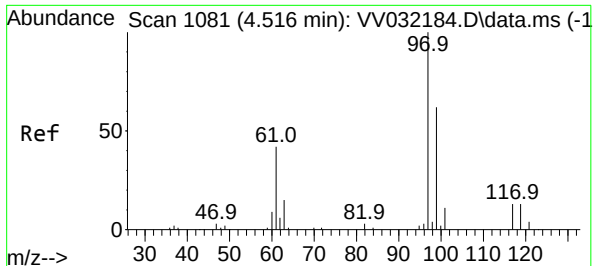
Tgt Ion: 62 Resp: 209721

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 23.544 ug/L

RT: 4.513 min Scan# 1080

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

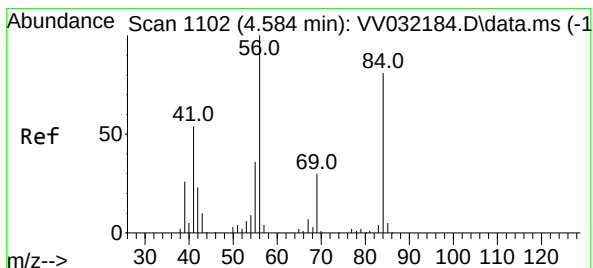
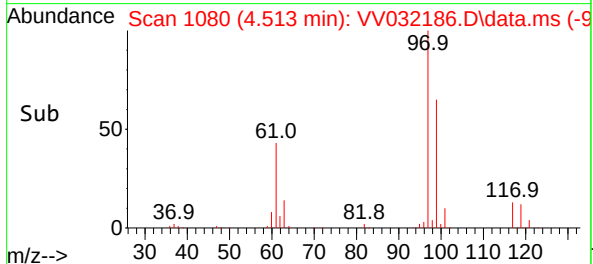
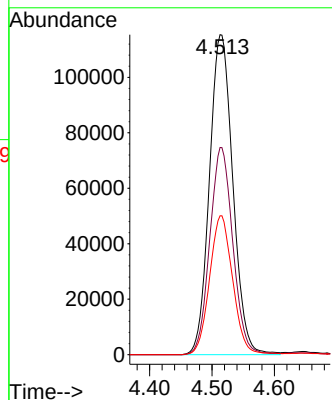
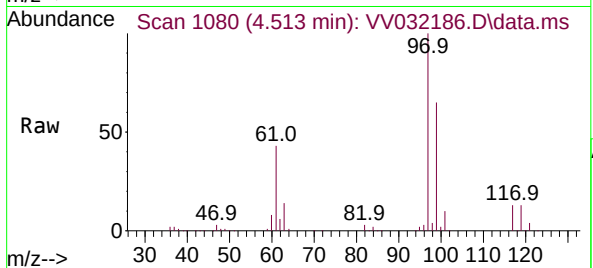
Tgt Ion: 97 Resp: 300950

Ion Ratio Lower Upper

97 100

99 63.7 50.1 75.1

61 42.7 35.1 52.7



#30

Cyclohexane

Concen: 32.836 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

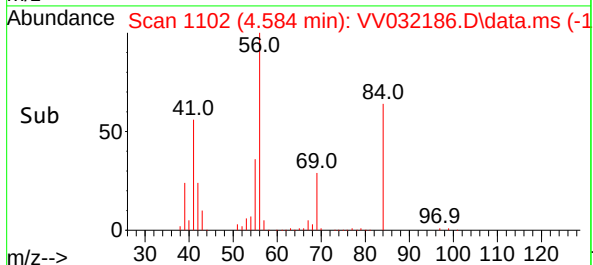
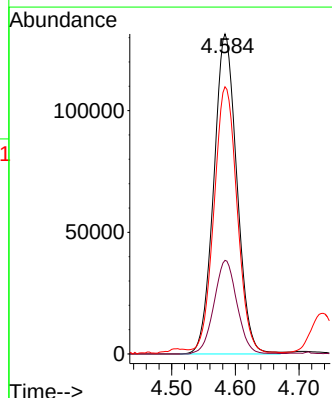
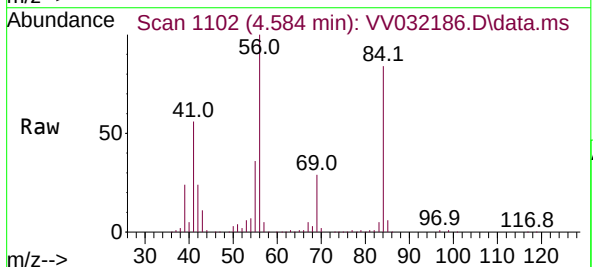
Tgt Ion: 56 Resp: 331733

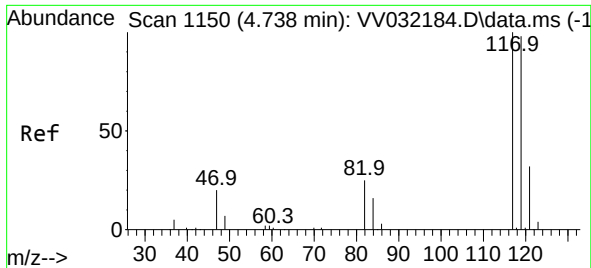
Ion Ratio Lower Upper

56 100

69 29.1 24.2 36.2

84 82.9 68.1 102.1

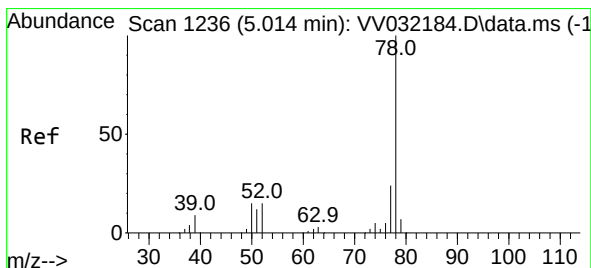
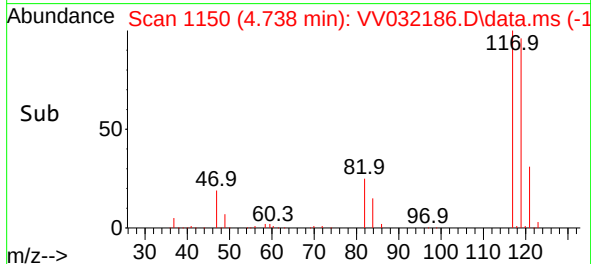
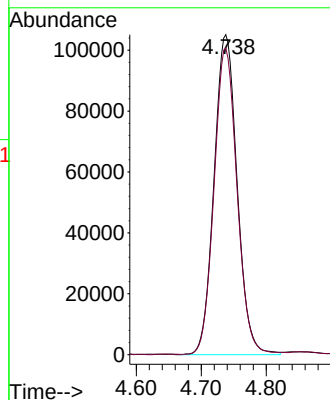
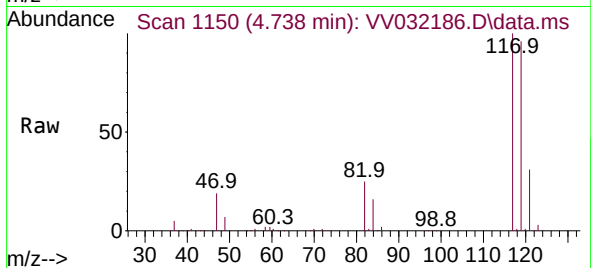




#31  
Carbon tetrachloride  
Concen: 23.469 ug/L  
RT: 4.738 min Scan# 1150  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

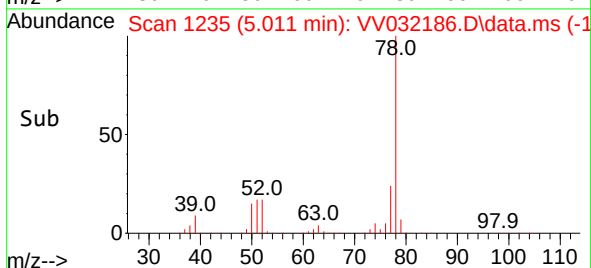
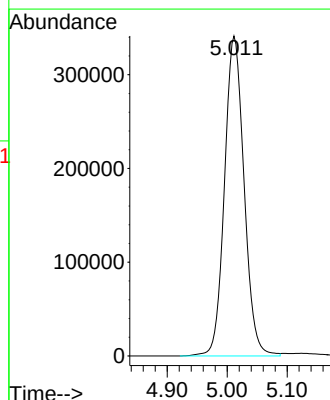
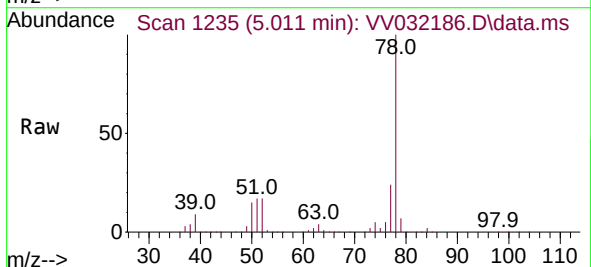
Instrument :  
MSVOA\_V  
ClientSampleId :

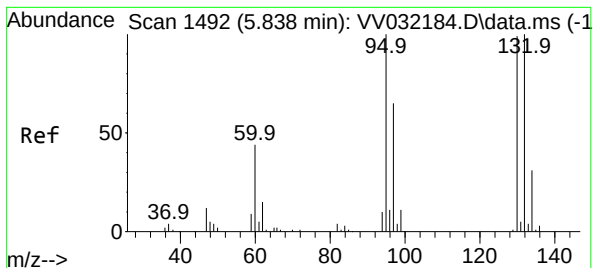
Tgt Ion:117 Resp: 259081  
Ion Ratio Lower Upper  
117 100  
119 95.3 77.6 116.4



#33  
Benzene  
Concen: 27.607 ug/L  
RT: 5.011 min Scan# 1235  
Delta R.T. -0.003 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

Tgt Ion: 78 Resp: 772648





#34

Trichloroethene

Concen: 26.762 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 212283

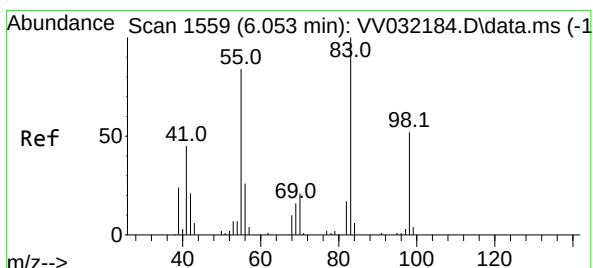
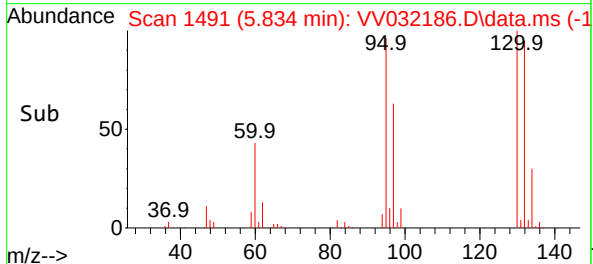
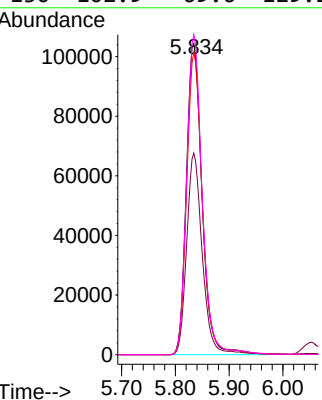
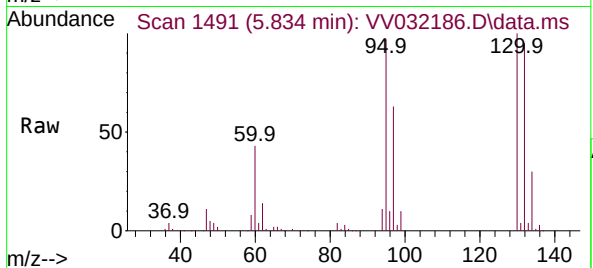
Ion Ratio Lower Upper

95 100

97 64.8 45.7 84.9

132 97.2 70.3 130.5

130 102.9 69.6 129.2



#35

Methylcyclohexane

Concen: 33.494 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.000 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

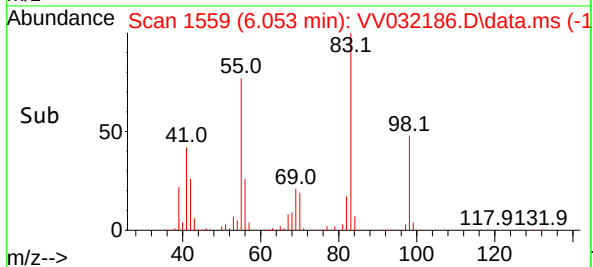
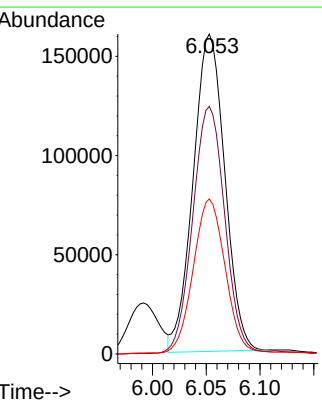
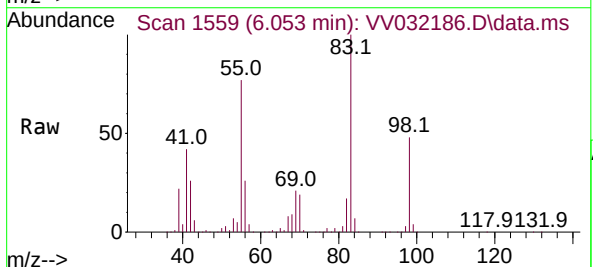
Tgt Ion: 83 Resp: 327716

Ion Ratio Lower Upper

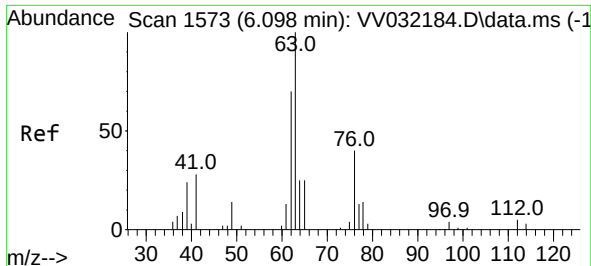
83 100

55 79.4 64.2 96.2

98 48.7 39.6 59.4







#37

1,2-Dichloropropane

Concen: 25.800 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

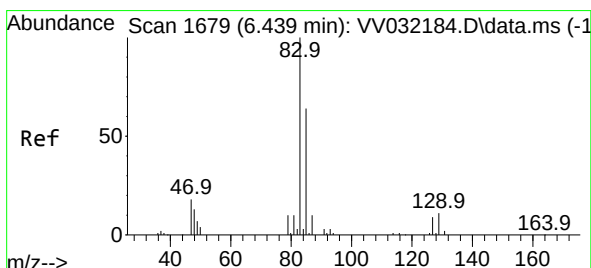
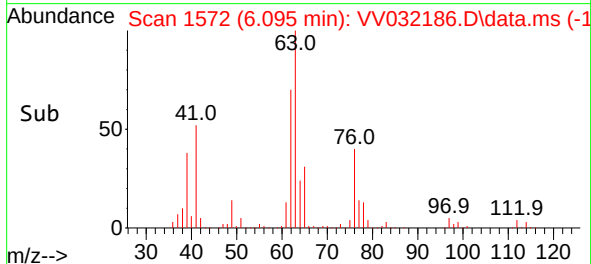
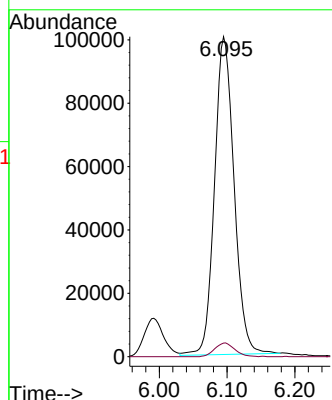
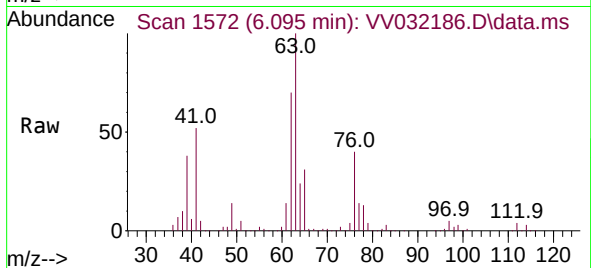
ClientSampleId :

Tgt Ion: 63 Resp: 200980

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



#38

Bromodichloromethane

Concen: 25.030 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

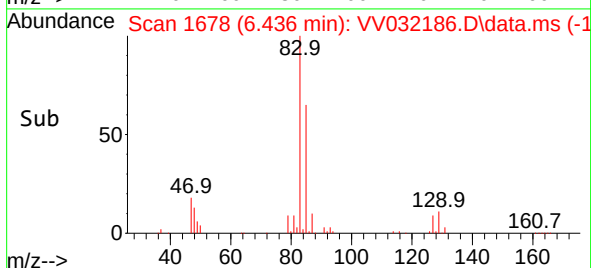
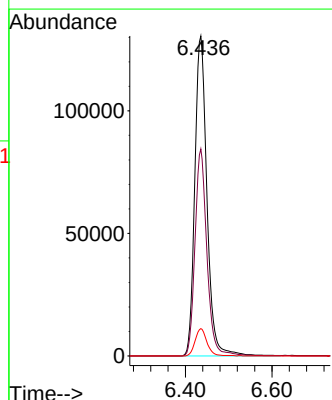
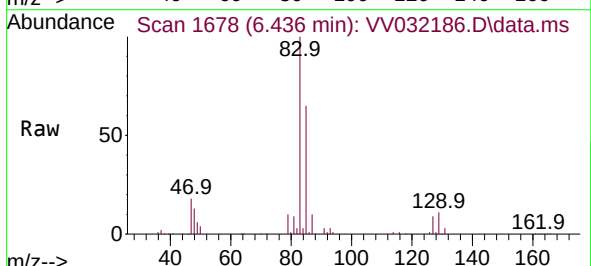
Tgt Ion: 83 Resp: 254261

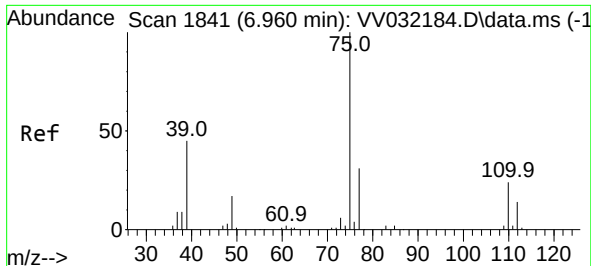
Ion Ratio Lower Upper

83 100

85 64.7 44.9 83.3

127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 32.913 ug/L

RT: 6.953 min Scan# 11

Delta R.T. -0.007 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

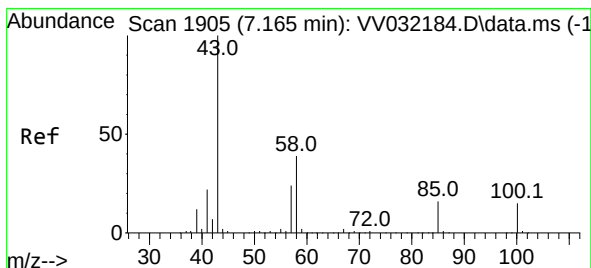
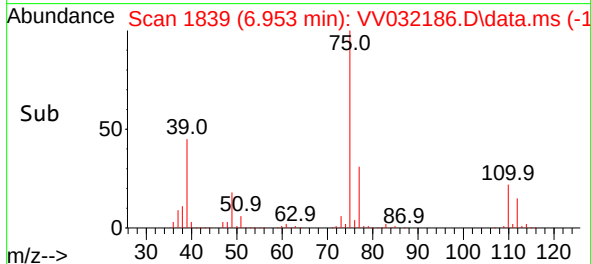
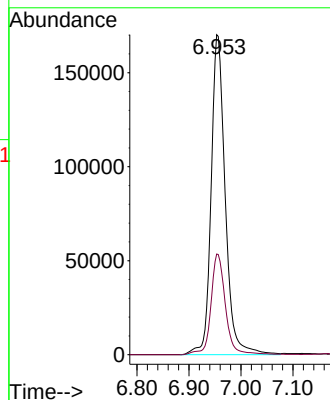
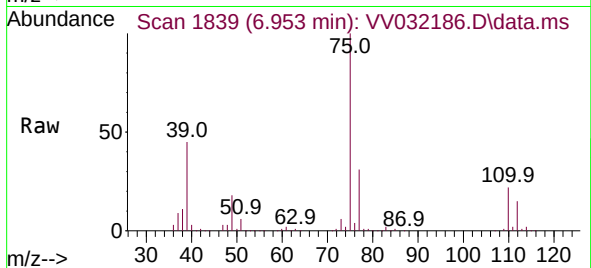
ClientSampleId :

Tgt Ion: 75 Resp: 322004

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 310.236 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

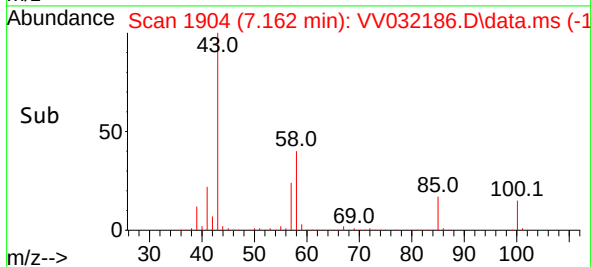
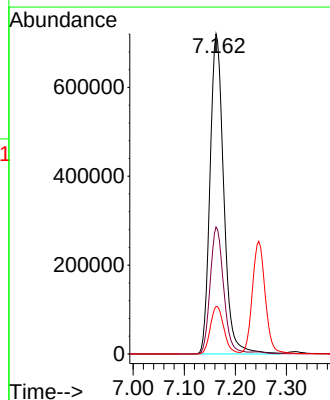
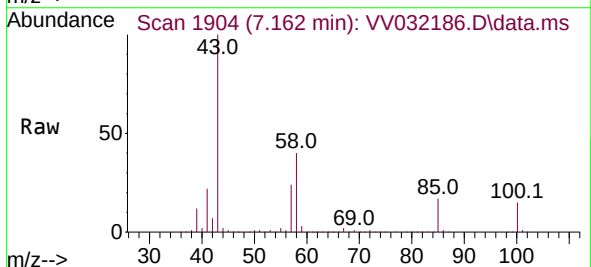
Tgt Ion: 43 Resp: 1344885

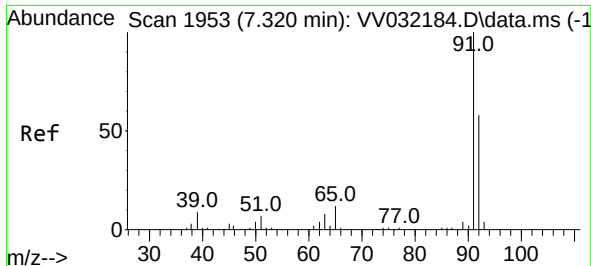
Ion Ratio Lower Upper

43 100

58 39.1 31.9 47.9

100 14.7 11.3 16.9





#42

Toluene

Concen: 29.760 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

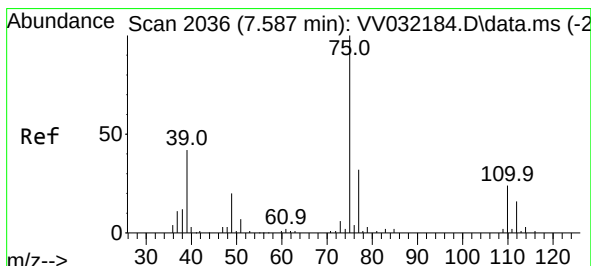
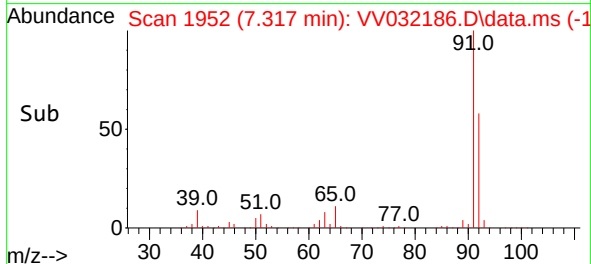
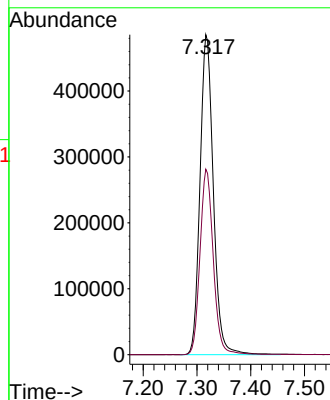
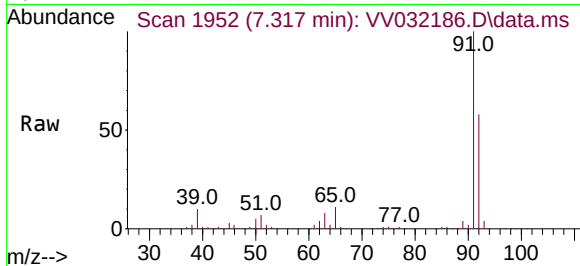
ClientSampleId :

Tgt Ion: 91 Resp: 834613

Ion Ratio Lower Upper

91 100

92 57.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 31.038 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.003 min

Lab File: VV032186.D

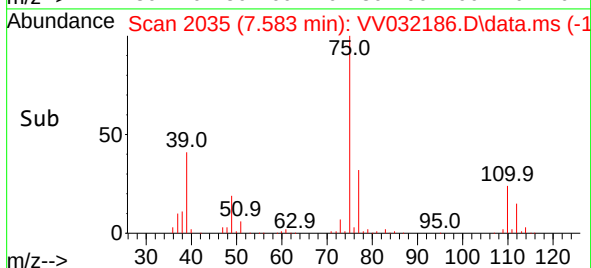
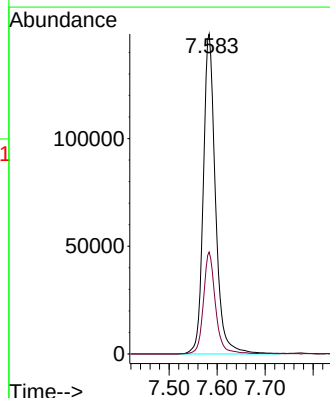
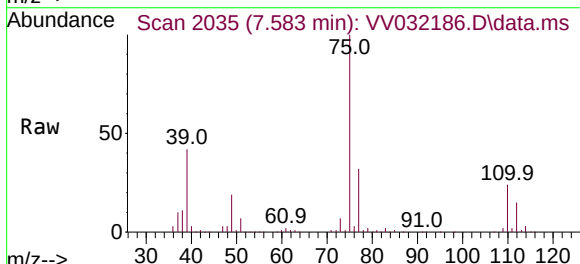
Acq: 29 Sep 2023 11:36

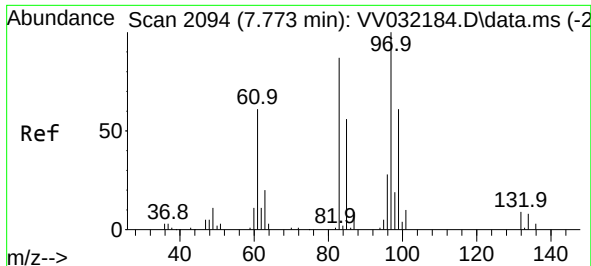
Tgt Ion: 75 Resp: 262778

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7

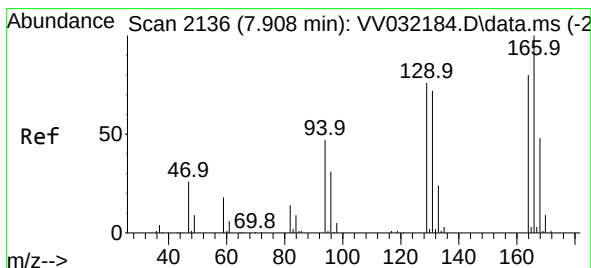
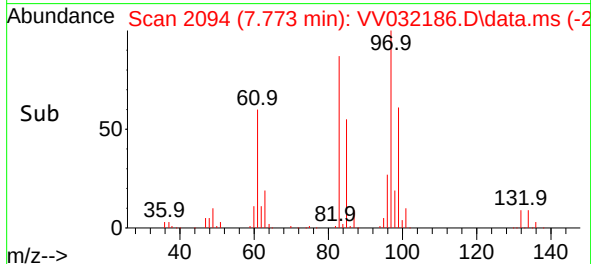
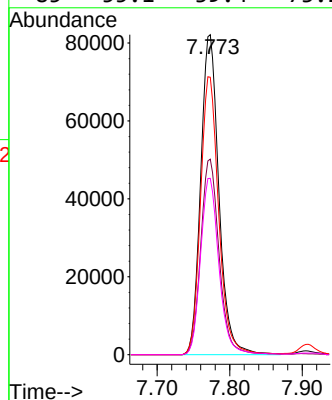
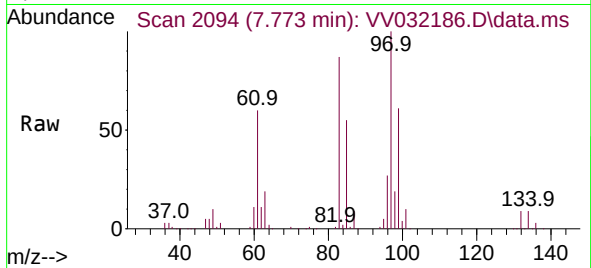




#45  
1,1,2-Trichloroethane  
Concen: 24.602 ug/L  
RT: 7.773 min Scan# 2094  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

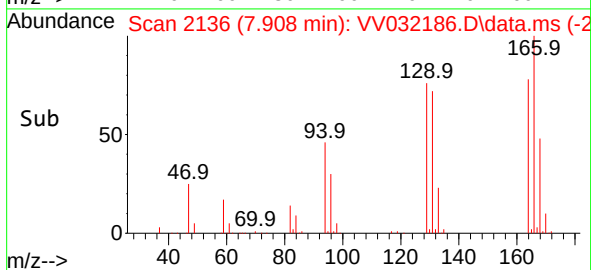
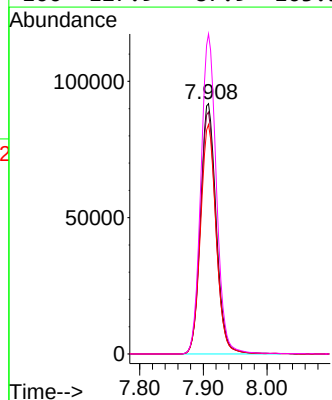
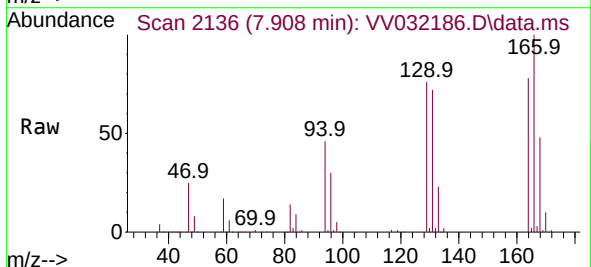
Instrument :  
MSVOA\_V  
ClientSampleId :

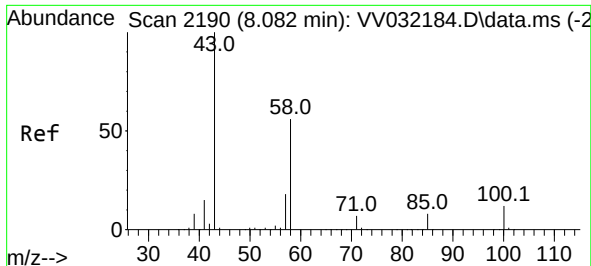
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 143619 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 61.1  | 42.8  | 79.4   |
| 83       | 86.7  | 60.9  | 113.1  |
| 85       | 55.1  | 39.4  | 73.2   |



#47  
Tetrachloroethene  
Concen: 27.153 ug/L  
RT: 7.908 min Scan# 2136  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 157221 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 96.7  | 66.4  | 123.4  |
| 131      | 91.7  | 63.7  | 118.3  |
| 166      | 127.9 | 87.9  | 163.3  |



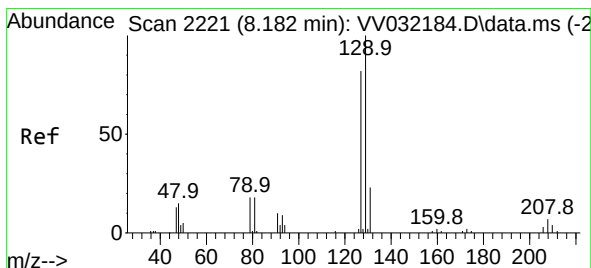
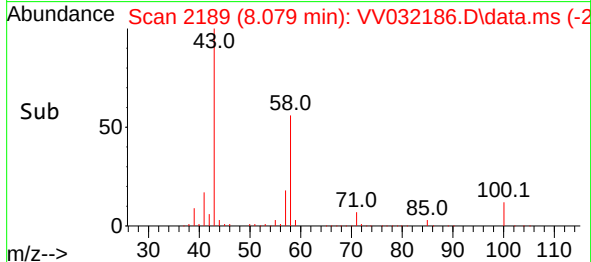
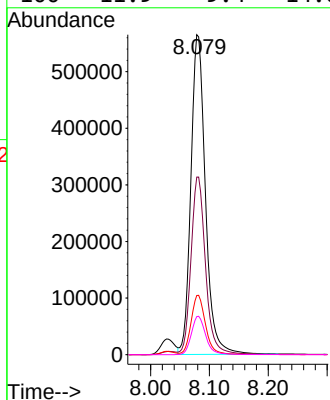
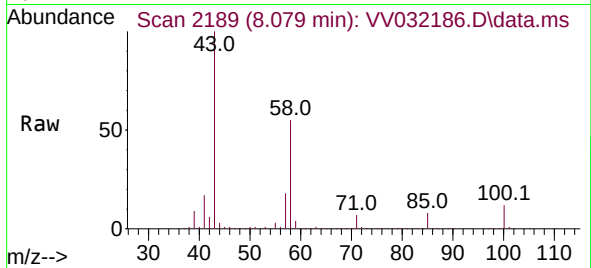


#48  
2-Hexanone  
Concen: 293.047 ug/L  
RT: 8.079 min Scan# 2190  
Delta R.T. -0.003 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 43 Resp: 969265

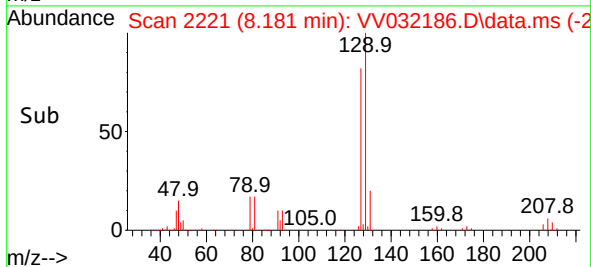
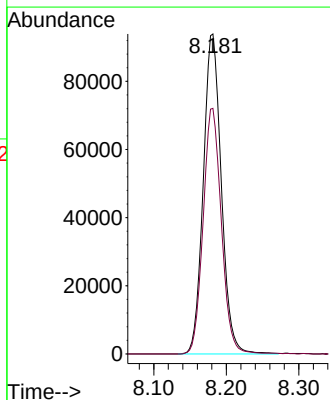
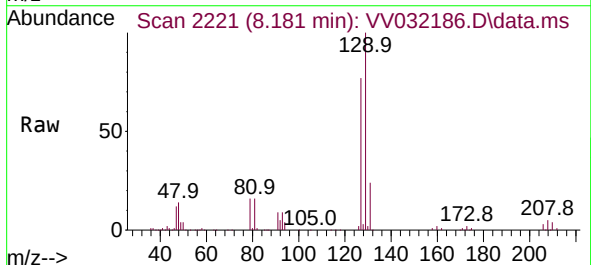
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 55.6  | 43.6  | 65.4  |
| 57  | 18.3  | 14.6  | 22.0  |
| 100 | 11.9  | 9.4   | 14.0  |

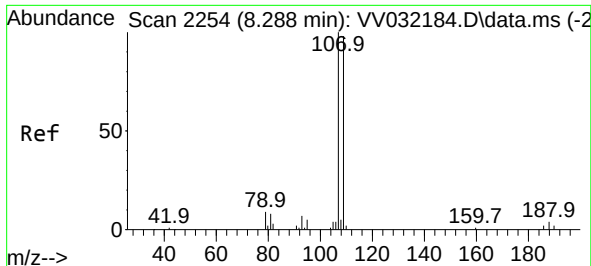


#49  
Dibromochloromethane  
Concen: 25.192 ug/L  
RT: 8.181 min Scan# 2221  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

Tgt Ion: 129 Resp: 162339

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.8  | 57.2  | 106.2 |





#50

1,2-Dibromoethane

Concen: 25.700 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.003 min

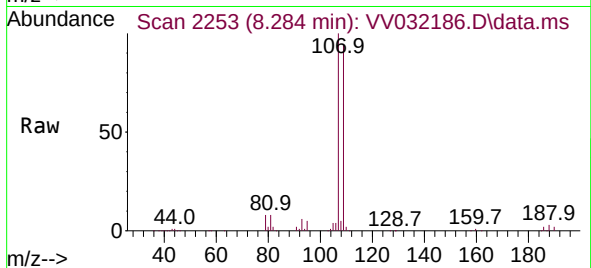
Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :



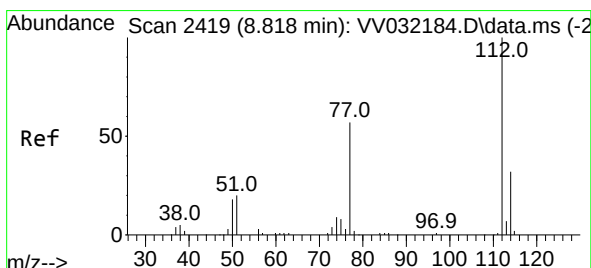
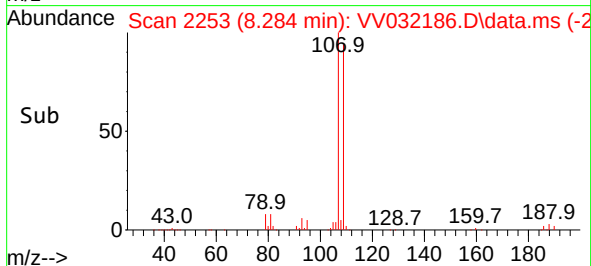
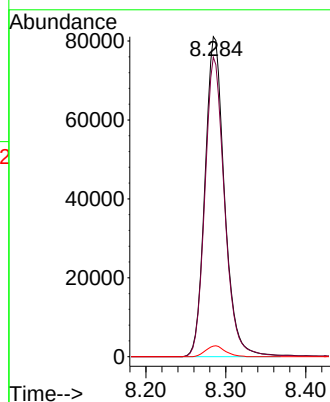
Tgt Ion:107 Resp: 137955

Ion Ratio Lower Upper

107 100

109 93.6 68.4 127.0

188 3.3 3.2 4.8



#51

Chlorobenzene

Concen: 27.641 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

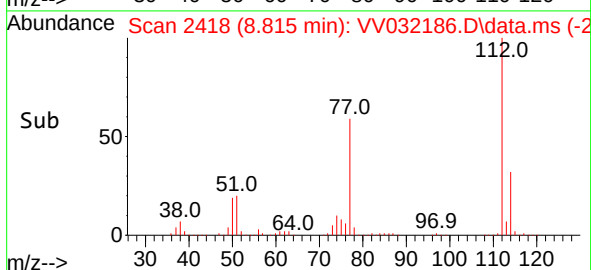
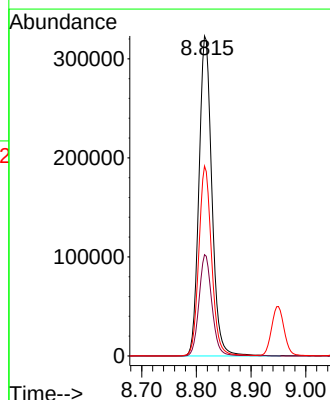
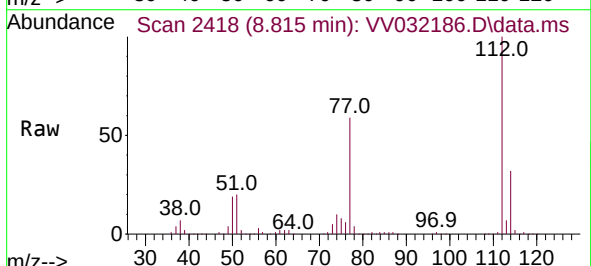
Tgt Ion:112 Resp: 528238

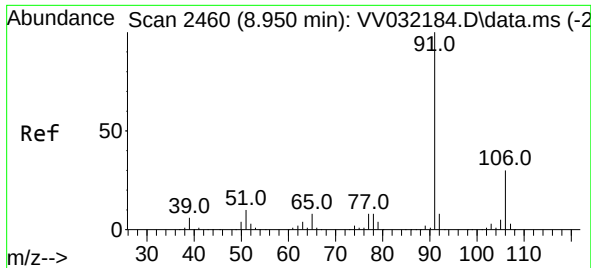
Ion Ratio Lower Upper

112 100

114 31.7 22.1 41.1

77 59.3 46.1 69.1

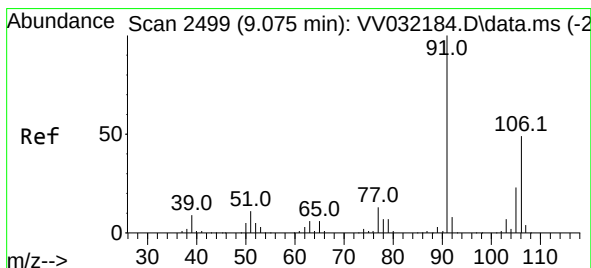
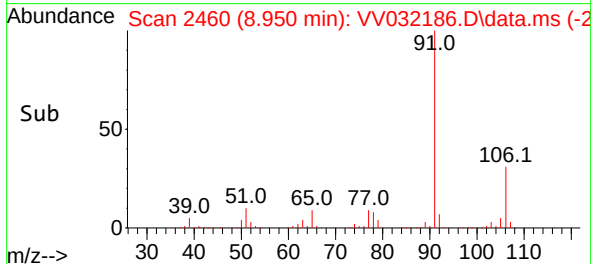
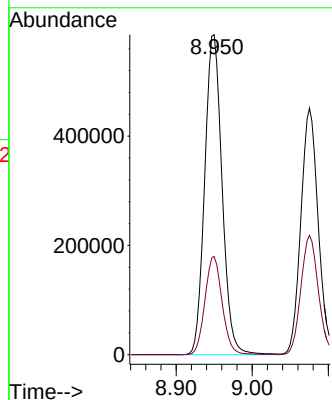
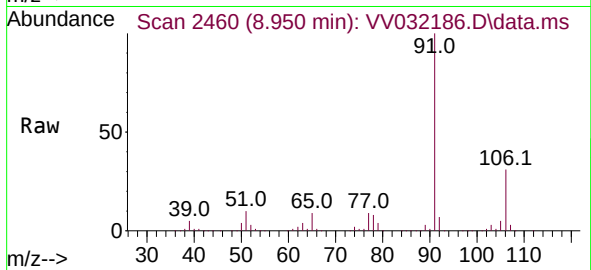




#52  
Ethylbenzene  
Concen: 31.749 ug/L  
RT: 8.950 min Scan# 2460  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

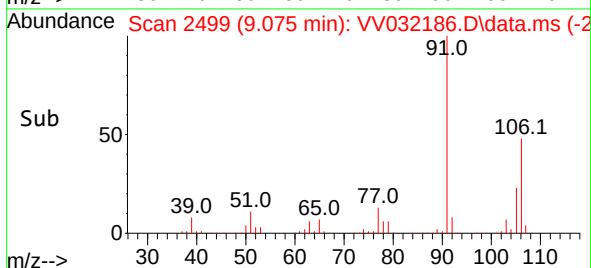
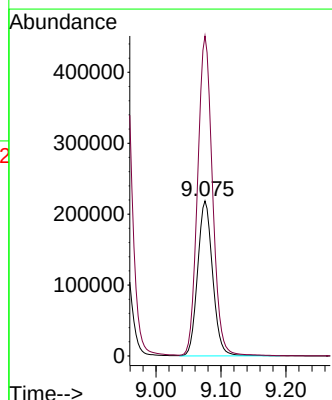
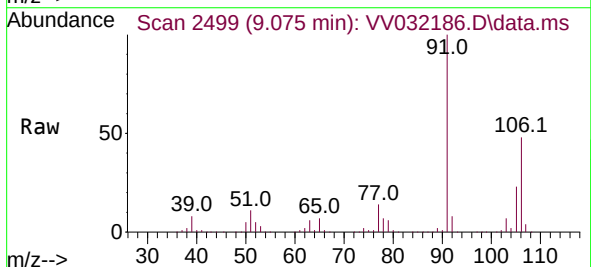
Instrument :  
MSVOA\_V  
ClientSampleId :

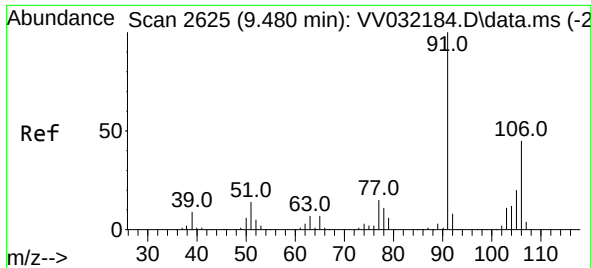
Tgt Ion: 91 Resp: 929428  
Ion Ratio Lower Upper  
91 100  
106 30.7 21.3 39.5



#53  
m,p-Xylene  
Concen: 32.878 ug/L  
RT: 9.075 min Scan# 2499  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

Tgt Ion:106 Resp: 351156  
Ion Ratio Lower Upper  
106 100  
91 206.4 144.5 268.3

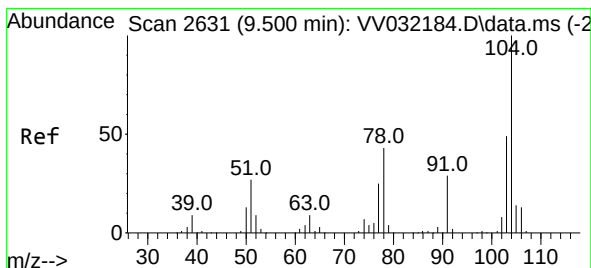
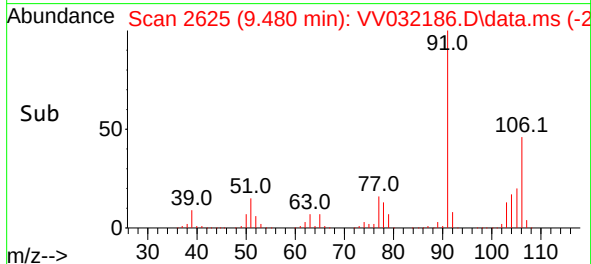
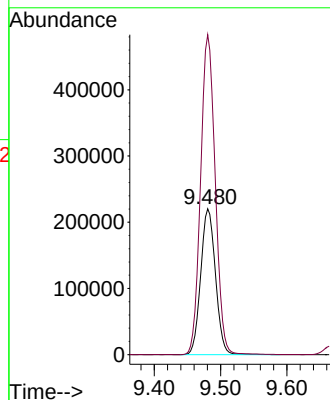
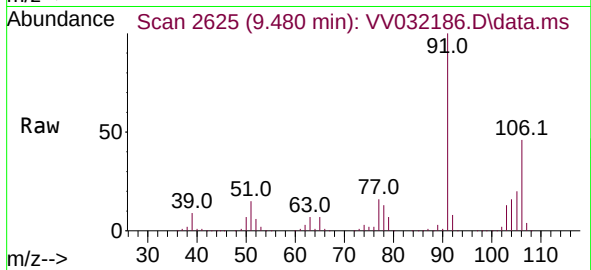




#54  
o-Xylene  
Concen: 33.538 ug/L  
RT: 9.480 min Scan# 2625  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

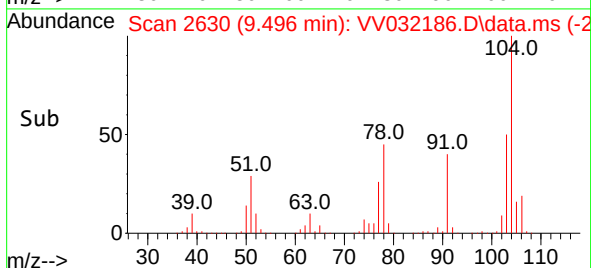
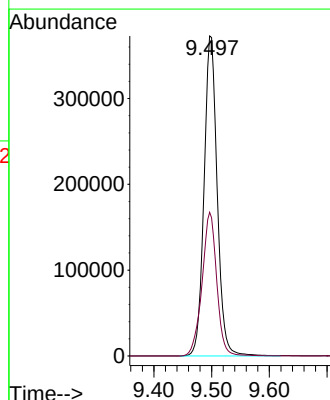
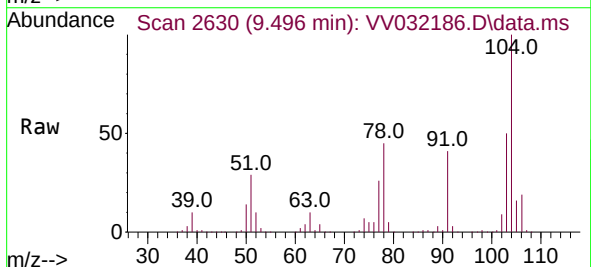
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 340517  
Ion Ratio Lower Upper  
106 100  
91 219.2 154.8 287.4

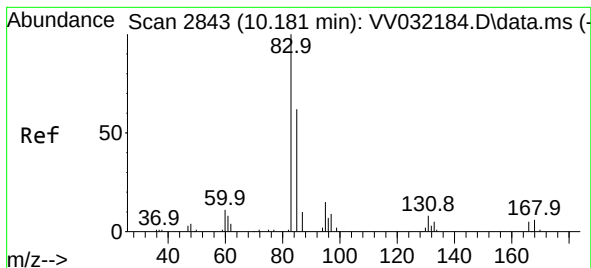


#55  
Styrene  
Concen: 32.494 ug/L  
RT: 9.496 min Scan# 2630  
Delta R.T. -0.003 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

Tgt Ion:104 Resp: 591334  
Ion Ratio Lower Upper  
104 100  
78 44.9 29.9 55.5



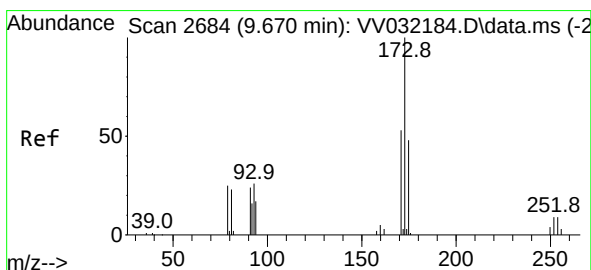
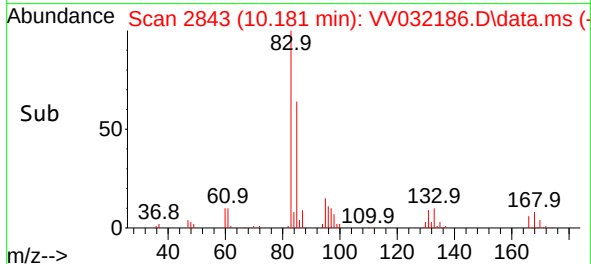
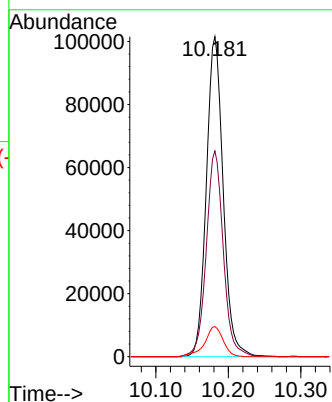
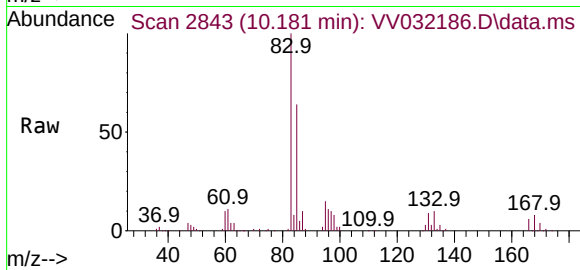




#57  
1,1,2,2-Tetrachloroethane  
Concen: 27.193 ug/L  
RT: 10.181 min Scan# 2843  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

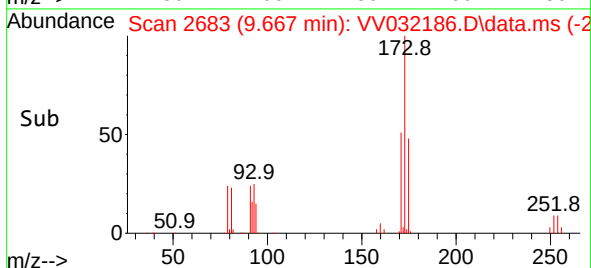
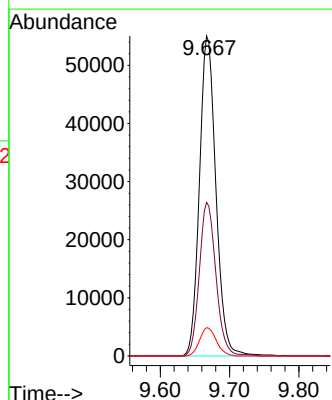
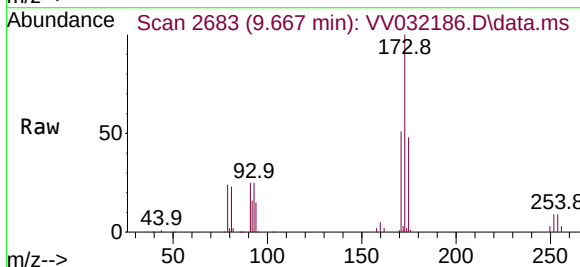
Instrument :  
MSVOA\_V  
ClientSampleId :

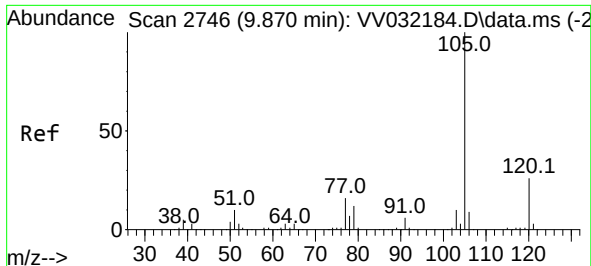
Tgt Ion: 83 Resp: 163473  
Ion Ratio Lower Upper  
83 100  
85 64.3 43.6 81.0  
131 9.4 7.0 10.6



#59  
Bromoform  
Concen: 25.148 ug/L  
RT: 9.667 min Scan# 2683  
Delta R.T. -0.003 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

Tgt Ion: 173 Resp: 91205  
Ion Ratio Lower Upper  
173 100  
175 48.2 38.2 57.2  
254 9.0 7.0 10.4

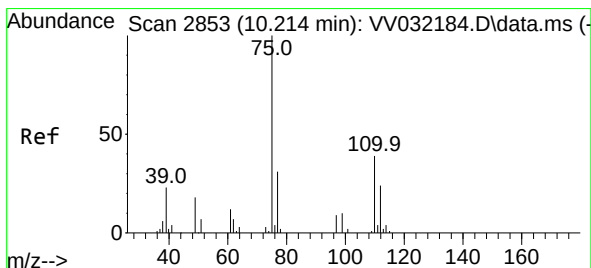
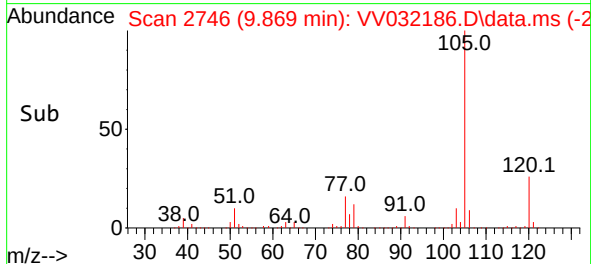
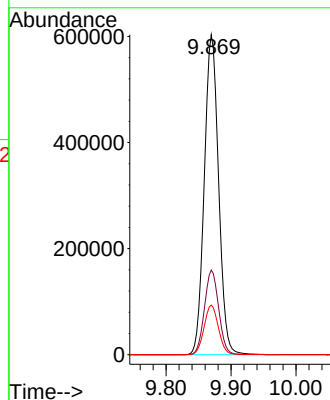
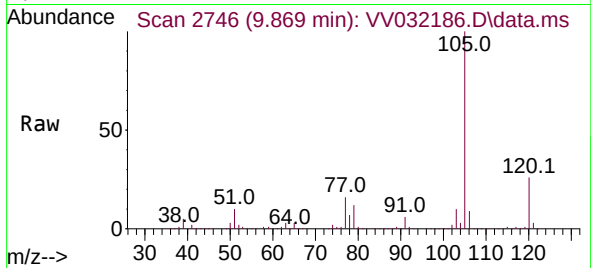




#60  
Isopropylbenzene  
Concen: 32.825 ug/L  
RT: 9.869 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

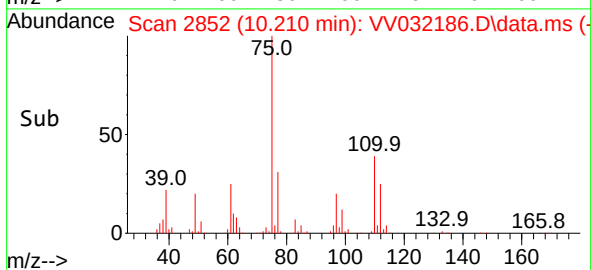
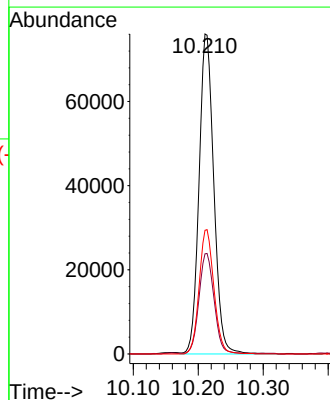
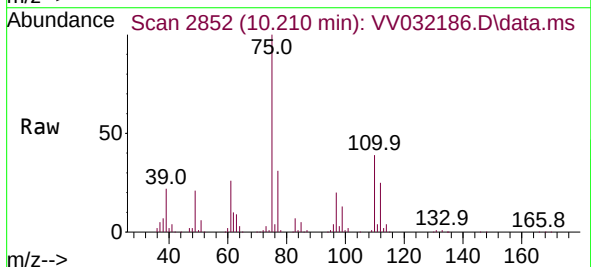
Instrument :  
MSVOA\_V  
ClientSampleId :

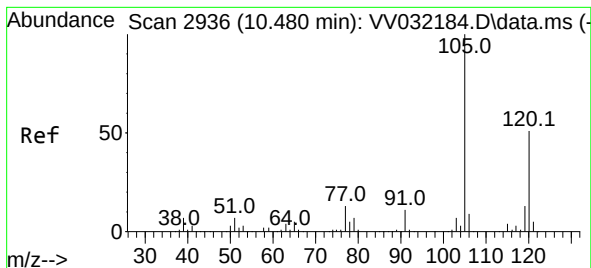
Tgt Ion:105 Resp: 925497  
Ion Ratio Lower Upper  
105 100  
120 26.4 21.0 31.6  
77 15.6 12.6 19.0



#61  
1,2,3-Trichloropropane  
Concen: 23.351 ug/L  
RT: 10.210 min Scan# 2852  
Delta R.T. -0.003 min  
Lab File: VV032186.D  
Acq: 29 Sep 2023 11:36

Tgt Ion: 75 Resp: 120466  
Ion Ratio Lower Upper  
75 100  
77 31.7 26.2 39.2  
110 38.9 30.6 46.0





#62

1,3,5-Trimethylbenzene

Concen: 33.234 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

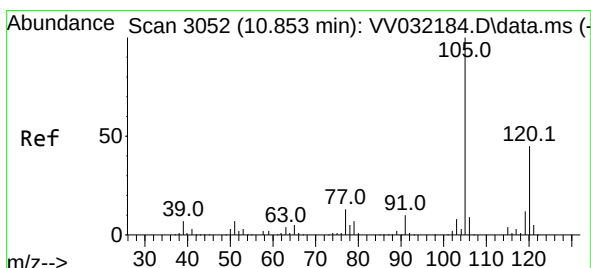
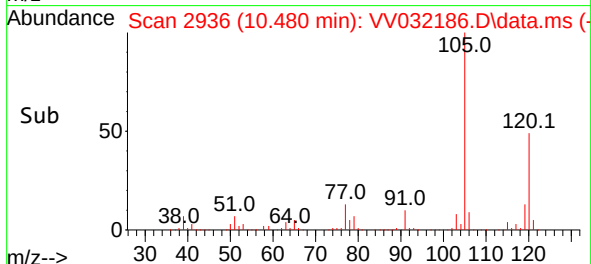
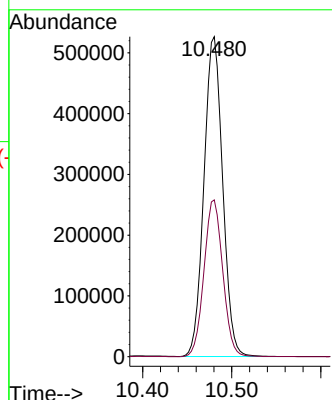
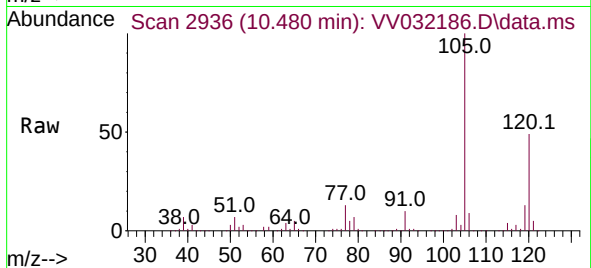
ClientSampleId :

Tgt Ion:105 Resp: 766914

Ion Ratio Lower Upper

105 100

120 49.1 39.9 59.9



#63

1,2,4-Trimethylbenzene

Concen: 33.459 ug/L

RT: 10.853 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VV032186.D

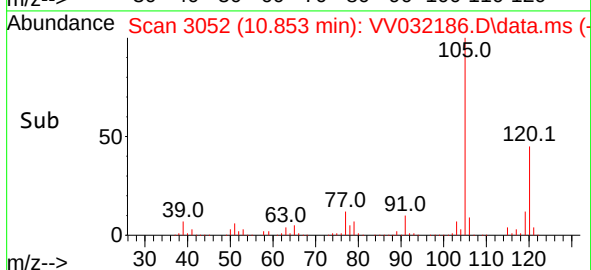
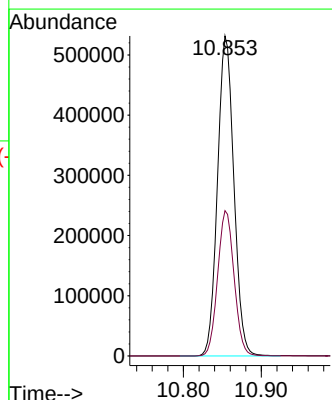
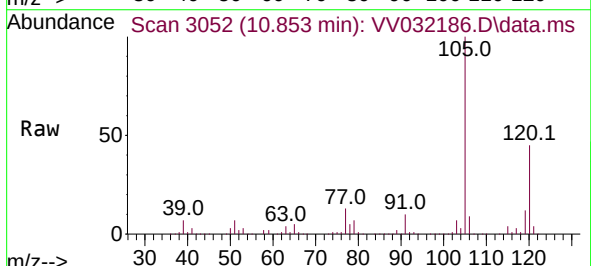
Acq: 29 Sep 2023 11:36

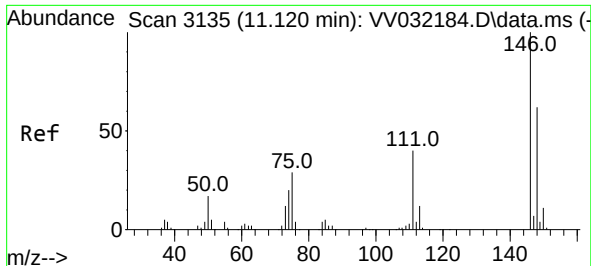
Tgt Ion:105 Resp: 774034

Ion Ratio Lower Upper

105 100

120 45.7 36.2 54.4

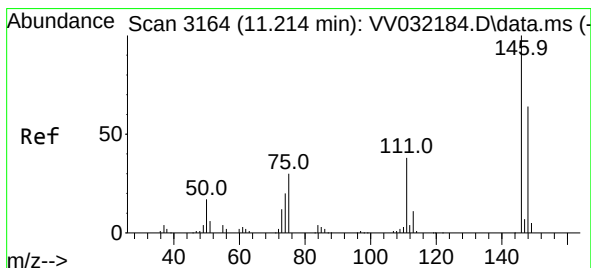
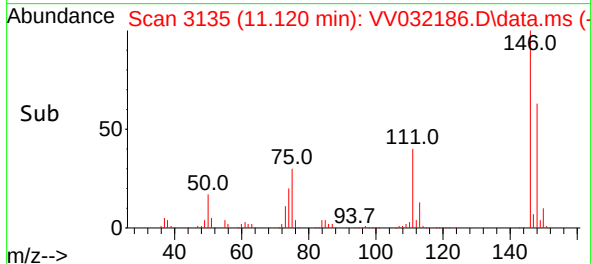
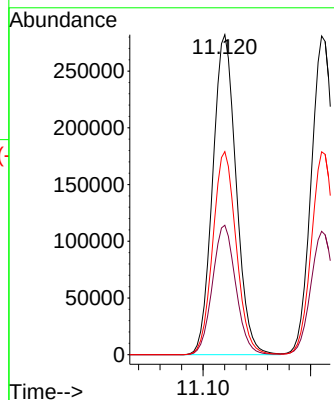
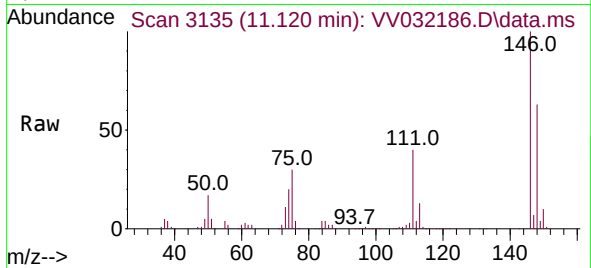




#64  
 1,3-Dichlorobenzene  
 Concen: 28.000 ug/L  
 RT: 11.120 min Scan# 3135  
 Delta R.T. -0.000 min  
 Lab File: VV032186.D  
 Acq: 29 Sep 2023 11:36

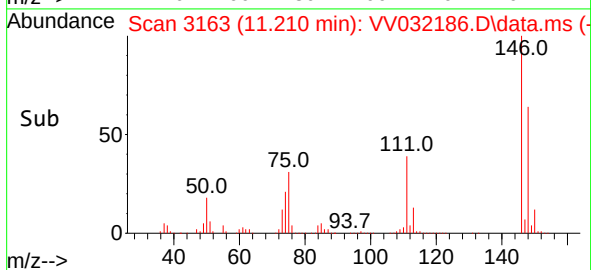
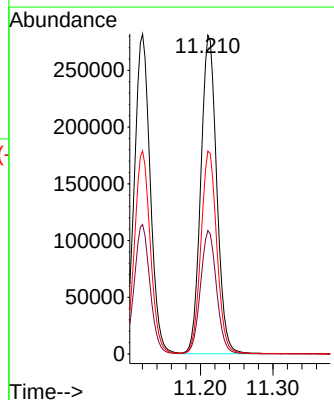
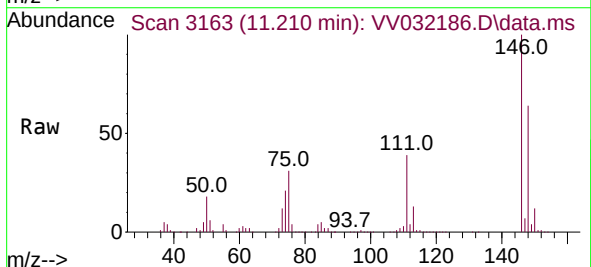
Instrument :  
 MSVOA\_V  
 ClientSampleId :

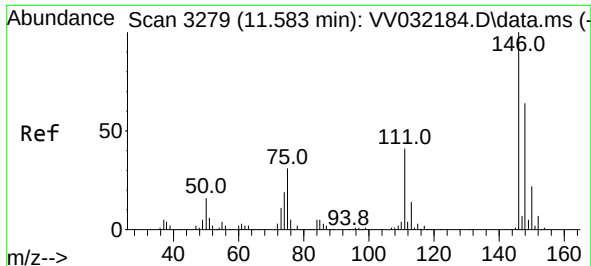
Tgt Ion:146 Resp: 427824  
 Ion Ratio Lower Upper  
 146 100  
 111 40.5 27.8 51.6  
 148 63.4 43.7 81.1



#65  
 1,4-Dichlorobenzene  
 Concen: 27.793 ug/L  
 RT: 11.210 min Scan# 3163  
 Delta R.T. -0.003 min  
 Lab File: VV032186.D  
 Acq: 29 Sep 2023 11:36

Tgt Ion:146 Resp: 428612  
 Ion Ratio Lower Upper  
 146 100  
 111 38.7 26.9 49.9  
 148 63.7 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 26.821 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

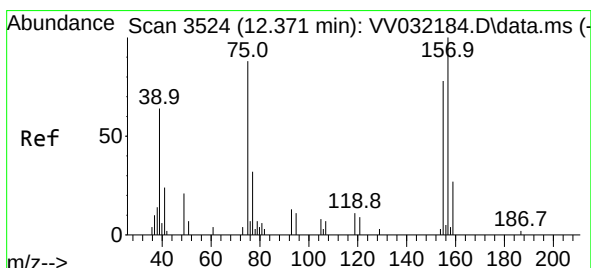
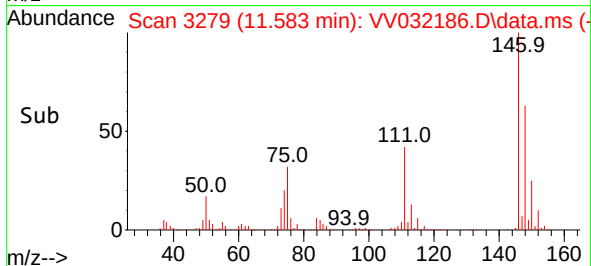
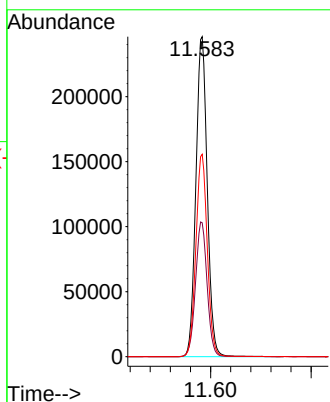
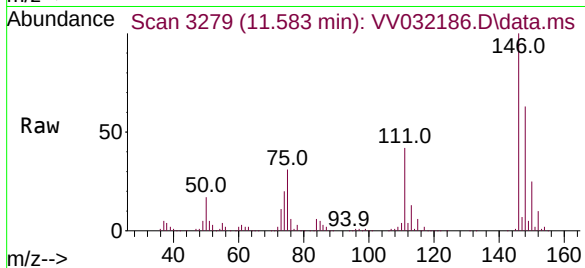
Tgt Ion:146 Resp: 386604

Ion Ratio Lower Upper

146 100

111 41.8 32.8 49.2

148 63.3 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 27.781 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.003 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

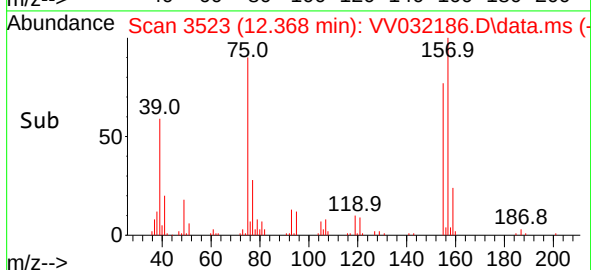
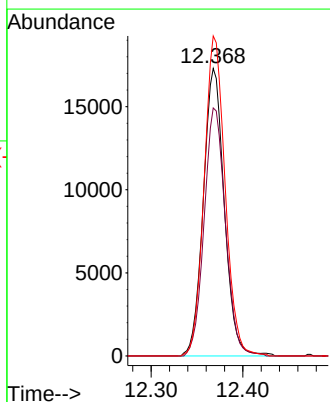
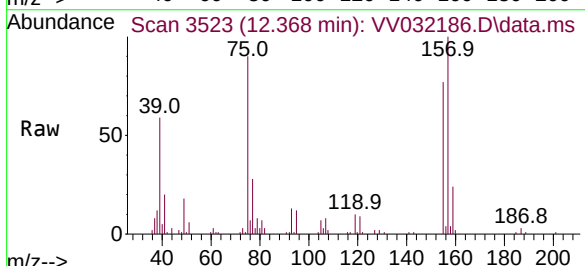
Tgt Ion: 75 Resp: 27556

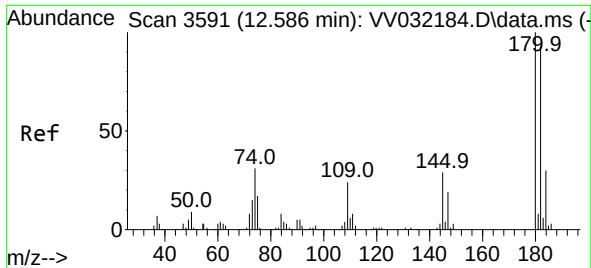
Ion Ratio Lower Upper

75 100

155 86.2 70.2 105.4

157 111.3 90.6 135.8





#69

1,3,5-Trichlorobenzene

Concen: 28.910 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

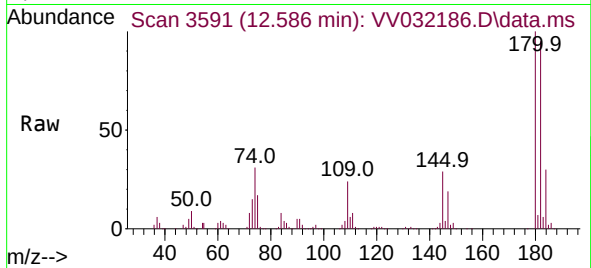
Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 319352

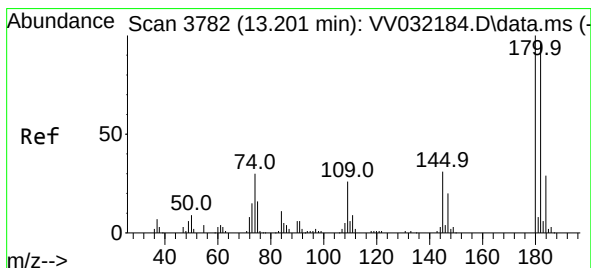
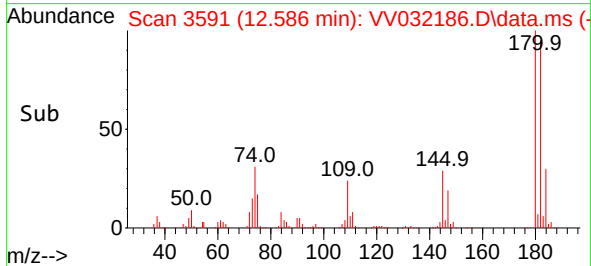
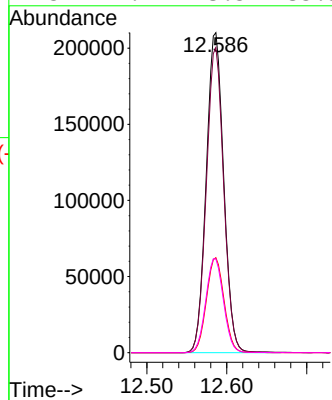
Ion Ratio Lower Upper

180 100

182 95.0 74.6 112.0

184 29.9 24.1 36.1

145 29.9 23.5 35.3



#70

1,2,4-trichlorobenzene

Concen: 30.045 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. -0.000 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

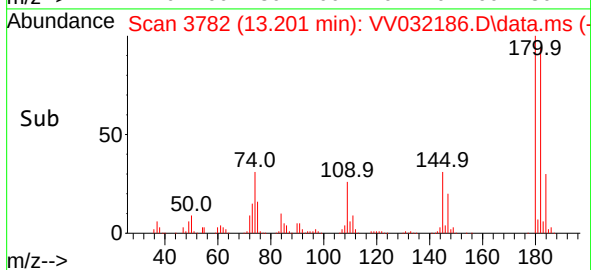
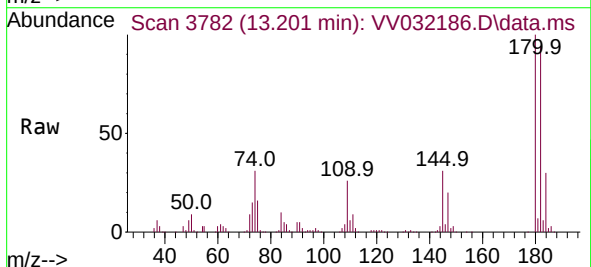
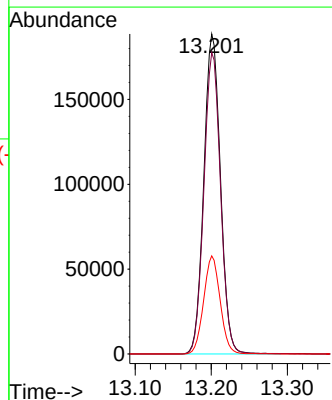
Tgt Ion:180 Resp: 286125

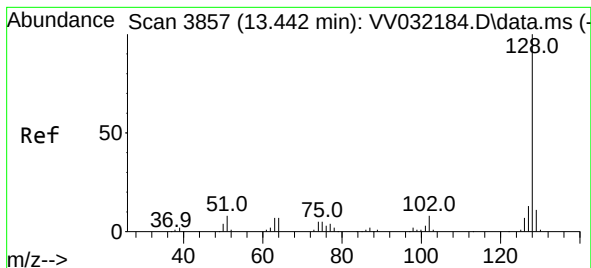
Ion Ratio Lower Upper

180 100

182 94.3 76.5 114.7

145 30.5 24.3 36.5





#71

Naphthalene

Concen: 35.129 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. -0.000 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Instrument :

MSVOA\_V

ClientSampleId :

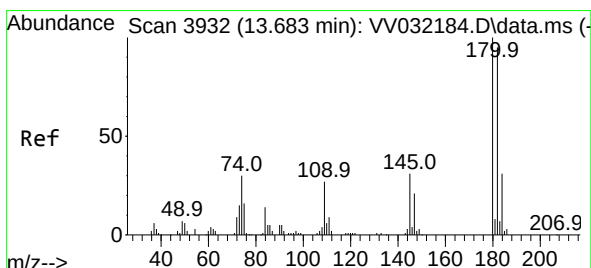
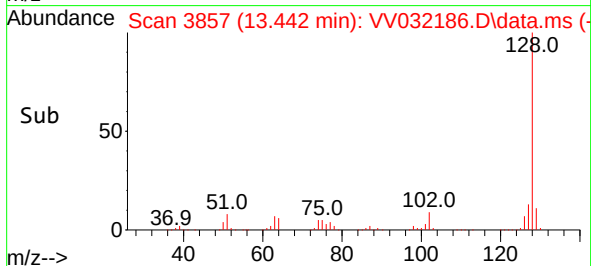
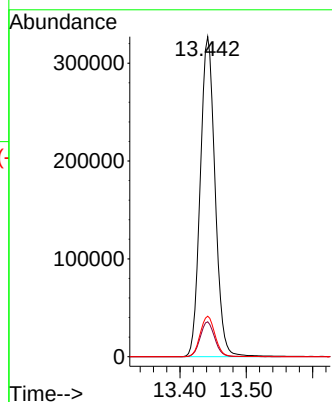
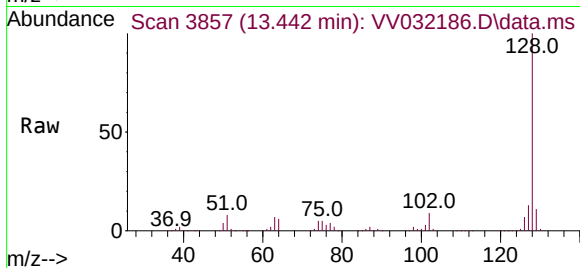
Tgt Ion:128 Resp: 506907

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

127 12.7 10.2 15.2



#72

1,2,3-Trichlorobenzene

Concen: 29.554 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. -0.000 min

Lab File: VV032186.D

Acq: 29 Sep 2023 11:36

Tgt Ion:180 Resp: 250187

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.4

145 32.3 25.7 38.5

