

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122124\  
 Data File : VW031469.D  
 Acq On : 21 Dec 2024 18:56  
 Operator : SY/MD  
 Sample : MDL07  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 23 00:19:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Dec 23 00:16:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 509715   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 468601   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 225460   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.357  | 65    | 153355   | 19.996   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.000%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 129832   | 22.885   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.560%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 67852    | 18.651   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 74.600%  |
| 21) 2-Butanone-d5             | 7.100  | 46    | 69770    | 48.307   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.620%  |
| 24) Chloroform-d              | 7.648  | 84    | 305970   | 21.909   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 87.640%  |
| 26) 1,2-Dichloroethane-d4     | 8.514  | 65    | 74       | 0.011    | ug/L   | 0.21     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.040%#  |
| 32) Benzene-d6                | 8.270  | 84    | 611461   | 20.359   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 81.440%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 186924   | 21.354   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 85.400%  |
| 41) Toluene-d8                | 10.319 | 98    | 555732   | 19.889   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 79.560%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 68783    | 17.042   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 68.160%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 53382    | 45.347   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 135975   | 24.741   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 98.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 185519   | 22.165   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 88.640%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 2.216  | 50    | 8220     | 1.588    | ug/L   | 88       |
| 5) Vinyl chloride             | 2.369  | 62    | 10118    | 1.411    | ug/L # | 71       |
| 6) Bromomethane               | 2.790  | 94    | 6885     | 1.561    | ug/L   | 88       |
| 8) Chloroethane               | 2.930  | 64    | 6624     | 1.553    | ug/L   | 93       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 10541    | 1.380    | ug/L   | 97       |
| 14) Carbon disulfide          | 4.387  | 76    | 21869    | 1.073    | ug/L # | 92       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 9279     | 1.378    | ug/L   | 84       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 15710    | 1.395    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 17904    | 1.422    | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 10315    | 1.415    | ug/L   | 92       |
| 23) Bromochloromethane        | 7.520  | 128   | 4403     | 1.515    | ug/L   | 90       |
| 25) Chloroform                | 7.673  | 83    | 21684    | 1.746    | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 8.398  | 62    | 11843    | 1.516    | ug/L   | 97       |
| 29) Cyclohexane               | 7.953  | 56    | 15150    | 1.192    | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97    | 14077    | 1.162    | ug/L   | 94       |
| 31) Carbon tetrachloride      | 8.069  | 117   | 12375    | 1.147    | ug/L   | 97       |
| 33) Benzene                   | 8.325  | 78    | 39672    | 1.370    | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95    | 10881    | 1.331    | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.331  | 83    | 17366    | 1.220    | ug/L   | 98       |

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 Sample : MDL07  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 23 00:19:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Dec 23 00:16:39 2024  
 Response via : Initial Calibration

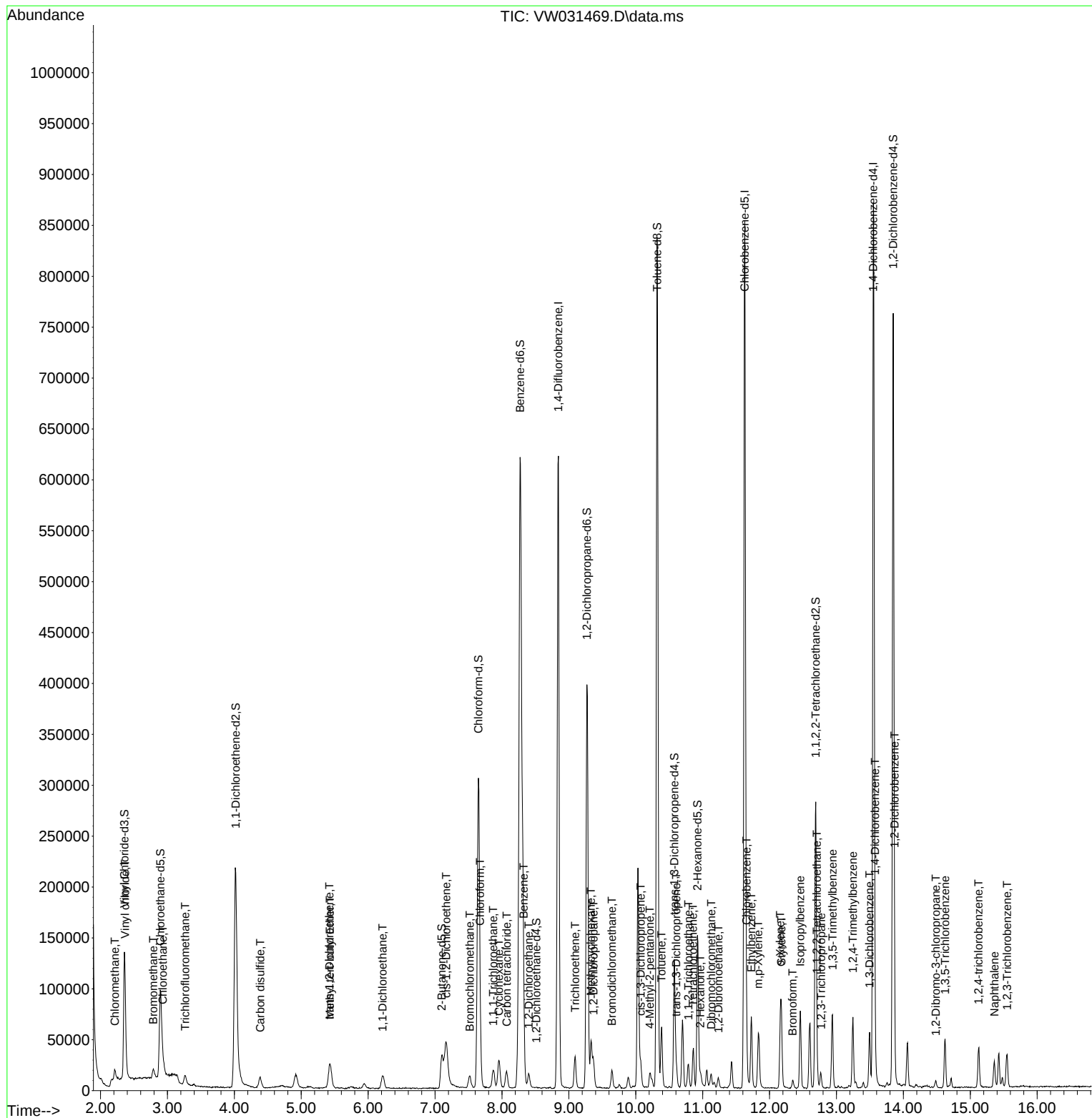
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 10112    | 1.400 | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.642  | 83   | 11669    | 1.242 | ug/L   | 89       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 14663    | 1.201 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 11841    | 3.089 | ug/L # | 51       |
| 42) Toluene                   | 10.386 | 91   | 42586    | 1.351 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 14003    | 1.405 | ug/L   | 93       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 7098     | 1.477 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.855 | 164  | 8406     | 1.404 | ug/L   | 88       |
| 48) 2-Hexanone                | 10.965 | 43   | 5203     | 1.596 | ug/L # | 84       |
| 49) Dibromochloromethane      | 11.130 | 129  | 6864     | 1.205 | ug/L   | 85       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 6634     | 1.457 | ug/L   | 87       |
| 51) Chlorobenzene             | 11.654 | 112  | 27827    | 1.408 | ug/L   | 95       |
| 52) Ethylbenzene              | 11.727 | 91   | 47553    | 1.301 | ug/L   | 93       |
| 53) m,p-Xylene                | 11.831 | 106  | 18450    | 1.326 | ug/L   | 95       |
| 54) o-Xylene                  | 12.160 | 106  | 16668    | 1.271 | ug/L   | 95       |
| 55) Styrene                   | 12.178 | 104  | 27370    | 1.255 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.709 | 83   | 8999     | 1.737 | ug/L # | 95       |
| 59) Bromoform                 | 12.343 | 173  | 3295     | 1.040 | ug/L   | 96       |
| 60) Isopropylbenzene          | 12.459 | 105  | 47274    | 1.281 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 6201     | 1.607 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 37717    | 1.206 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 36133    | 1.195 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 21383    | 1.430 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 21458    | 1.449 | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 18729    | 1.454 | ug/L   | 89       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 1516     | 1.548 | ug/L # | 82       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 13794    | 1.318 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 12539    | 1.440 | ug/L   | 94       |
| 71) Naphthalene               | 15.360 | 128  | 21182    | 1.387 | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 10776    | 1.536 | ug/L   | 93       |

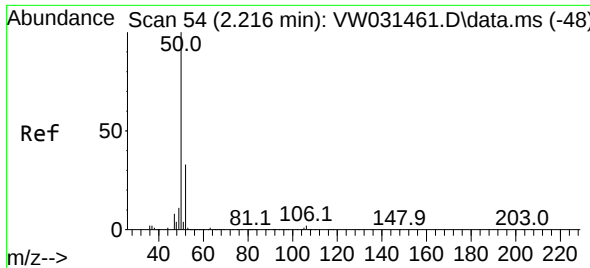
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Quant Title : SFAM01.0  
QLast Update : Mon Dec 23 00:16:39 2024  
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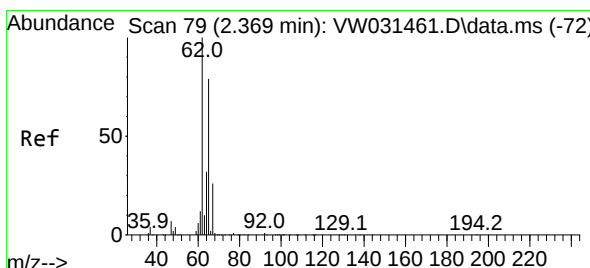
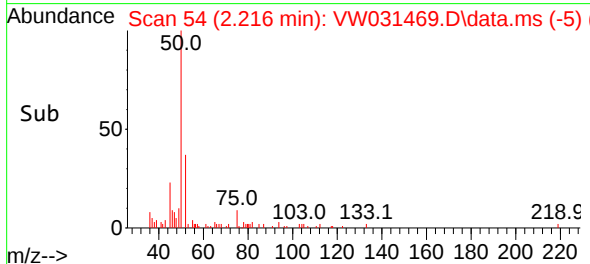
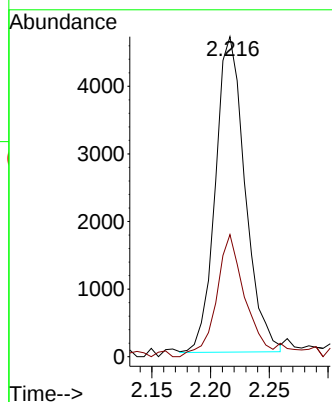
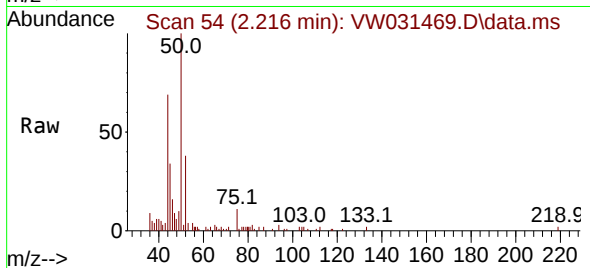




#3  
Chloromethane  
Concen: 1.588 ug/L  
RT: 2.216 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

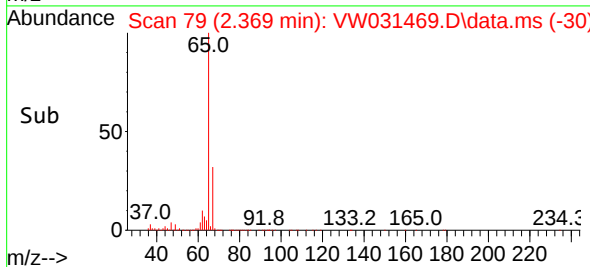
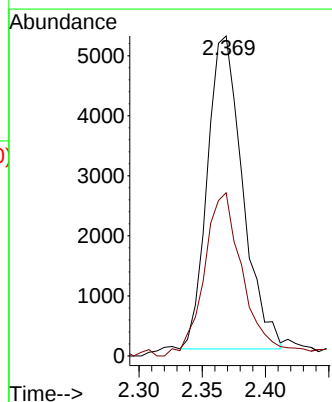
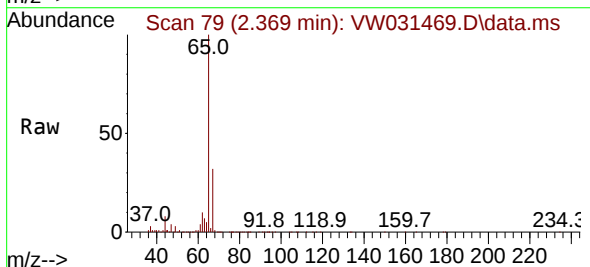
Instrument :  
MSVOA\_W  
ClientSampleId :

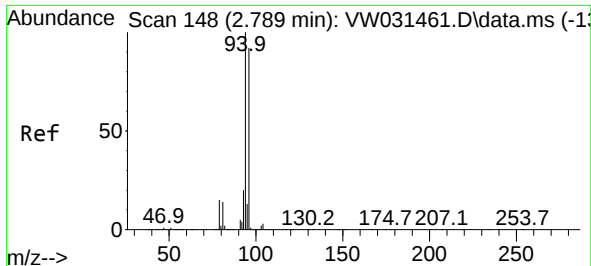
Tgt Ion: 50 Resp: 8220  
Ion Ratio Lower Upper  
50 100  
52 38.1 22.0 41.0



#5  
Vinyl chloride  
Concen: 1.411 ug/L  
RT: 2.369 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Tgt Ion: 62 Resp: 10118  
Ion Ratio Lower Upper  
62 100  
64 51.0 24.1 44.8#

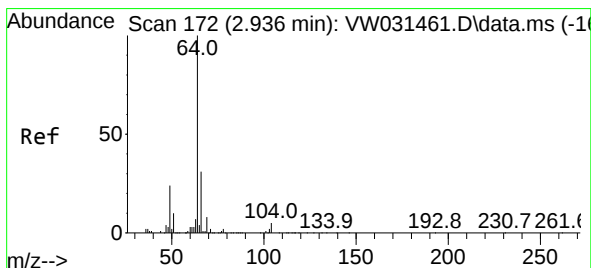
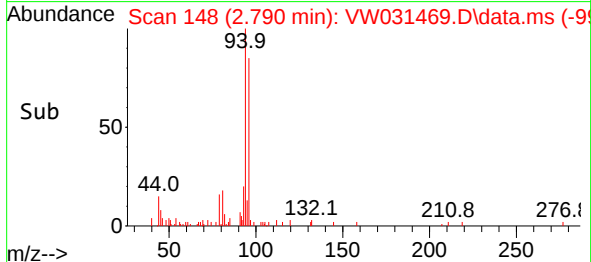
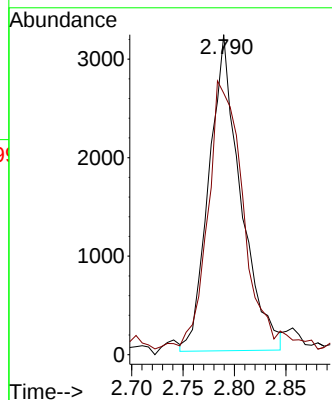
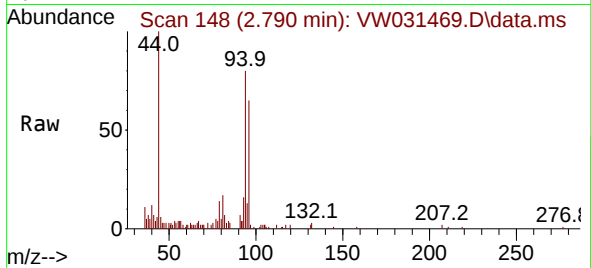




#6  
Bromomethane  
Concen: 1.561 ug/L  
RT: 2.790 min Scan# 148  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

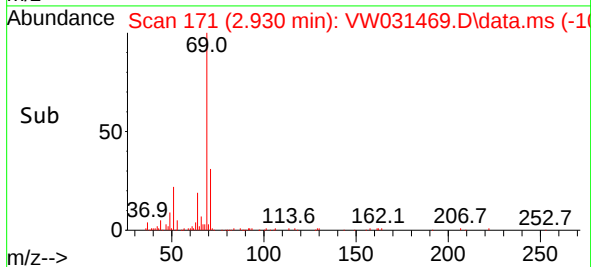
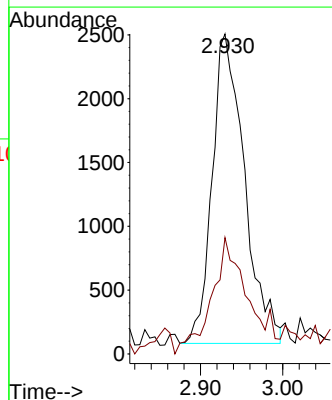
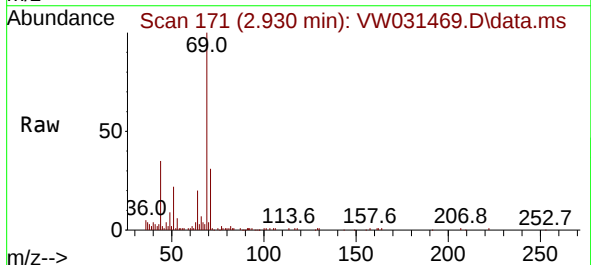
Instrument :  
MSVOA\_W  
ClientSampleId :

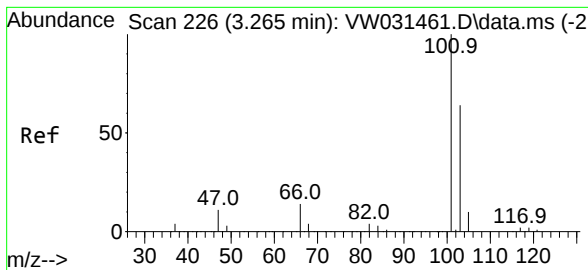
Tgt Ion: 94 Resp: 6885  
Ion Ratio Lower Upper  
94 100  
96 81.7 65.6 121.8



#8  
Chloroethane  
Concen: 1.553 ug/L  
RT: 2.930 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Tgt Ion: 64 Resp: 6624  
Ion Ratio Lower Upper  
64 100  
66 36.4 22.7 42.3





#9

Trichlorofluoromethane

Concen: 1.380 ug/L

RT: 3.265 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

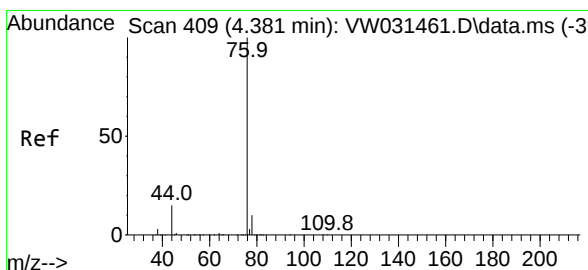
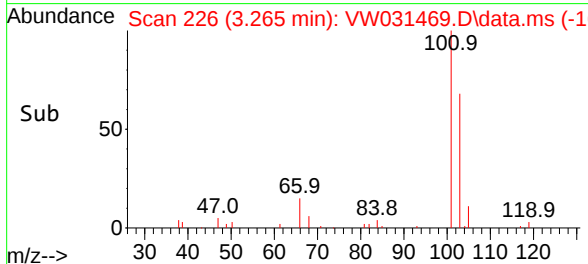
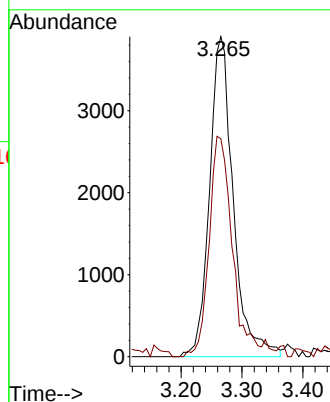
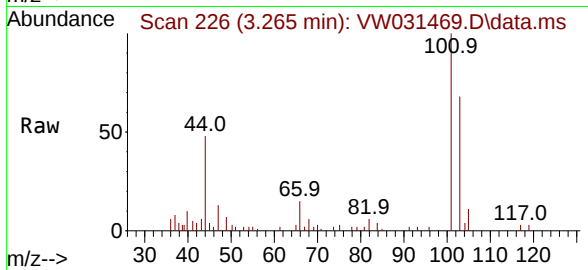
ClientSampleId :

Tgt Ion:101 Resp: 10541

Ion Ratio Lower Upper

101 100

103 66.6 51.6 77.4



#14

Carbon disulfide

Concen: 1.073 ug/L

RT: 4.387 min Scan# 410

Delta R.T. 0.006 min

Lab File: VW031469.D

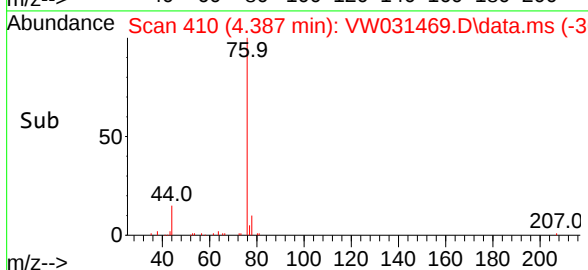
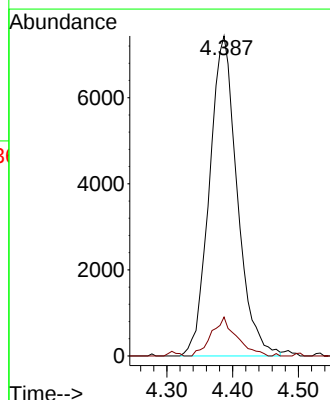
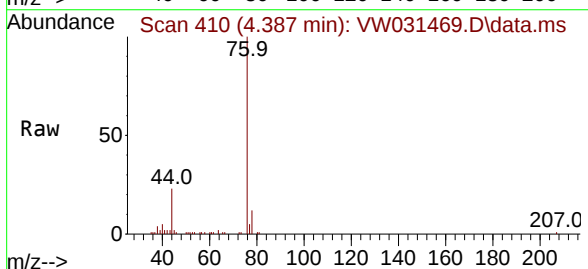
Acq: 21 Dec 2024 18:56

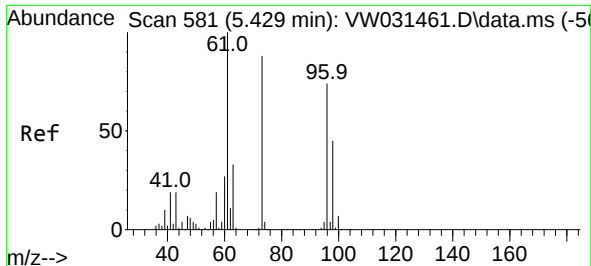
Tgt Ion: 76 Resp: 21869

Ion Ratio Lower Upper

76 100

78 12.2 7.3 10.9#

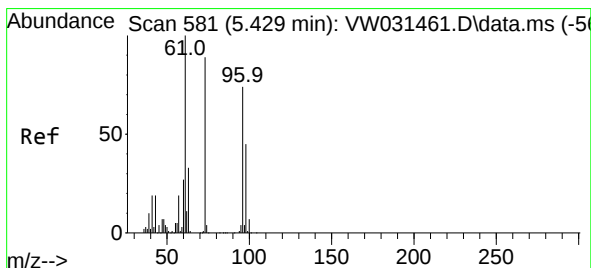
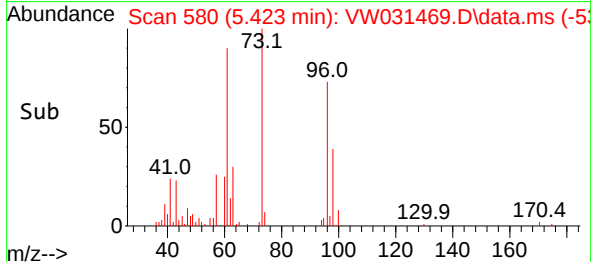
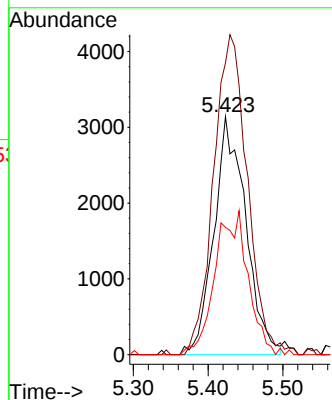
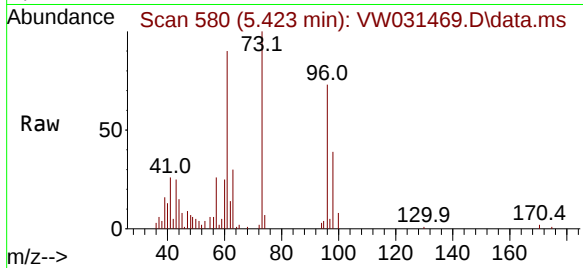




#17  
trans-1,2-Dichloroethene  
Concen: 1.378 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

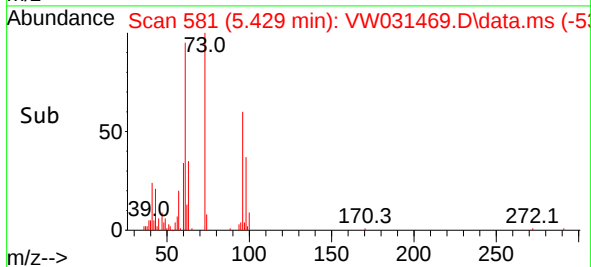
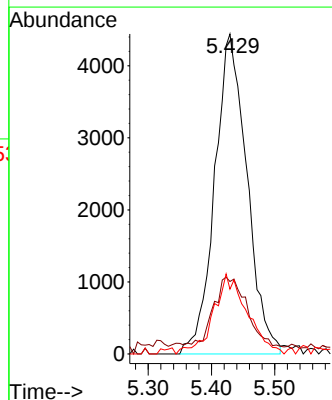
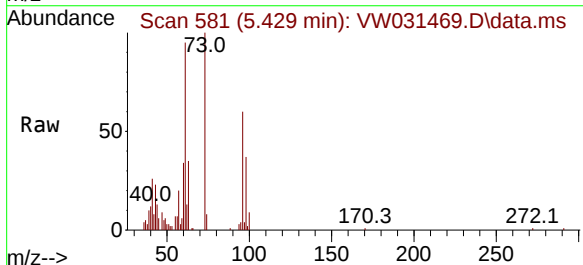
Instrument :  
MSVOA\_W  
ClientSampleId :

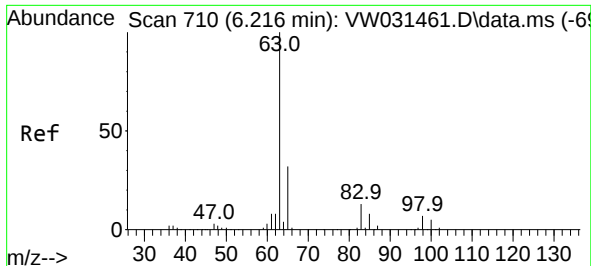
Tgt Ion: 96 Resp: 9279  
Ion Ratio Lower Upper  
96 100  
61 122.6 100.7 187.1  
98 53.5 43.8 81.3



#18  
Methyl tert-butyl Ether  
Concen: 1.395 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Tgt Ion: 73 Resp: 15710  
Ion Ratio Lower Upper  
73 100  
43 22.4 17.9 26.9  
57 24.1 17.9 26.9





#19

1,1-Dichloroethane

Concen: 1.422 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

ClientSampleId :

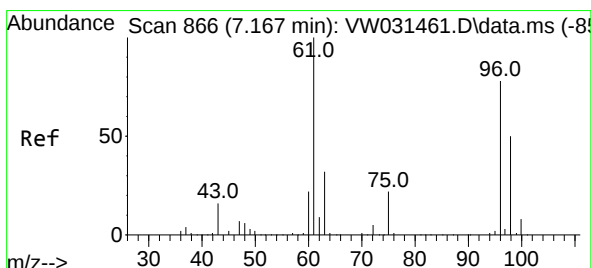
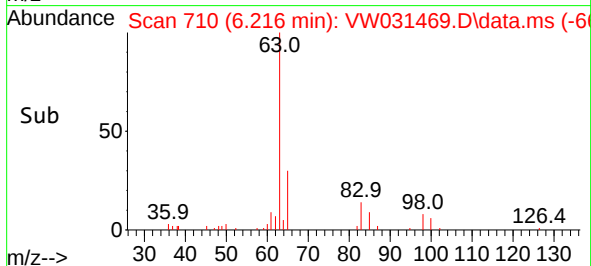
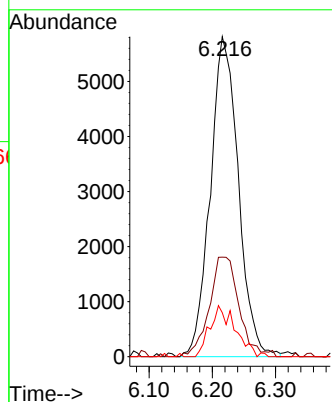
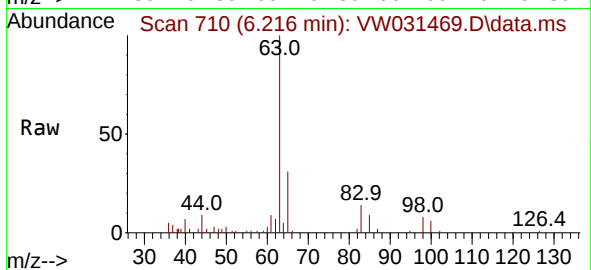
Tgt Ion: 63 Resp: 17904

Ion Ratio Lower Upper

63 100

65 31.1 21.9 40.7

83 13.8 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 1.415 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

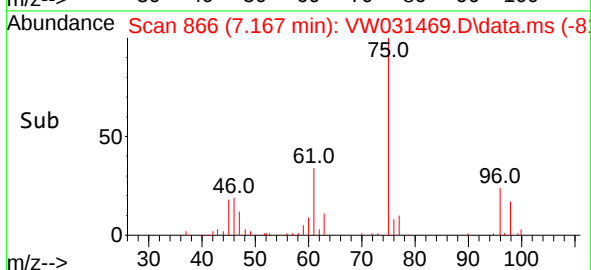
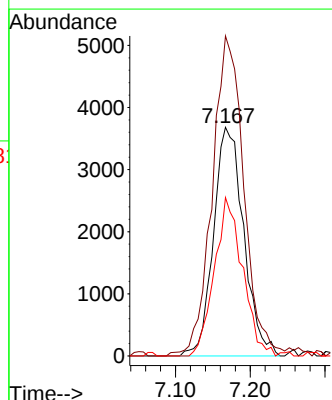
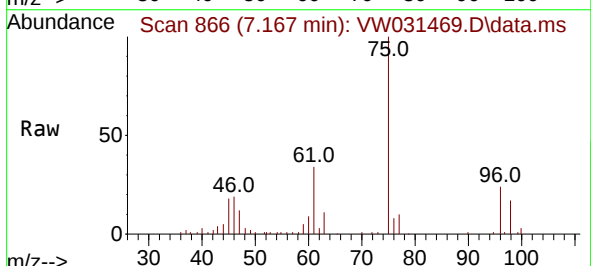
Tgt Ion: 96 Resp: 10315

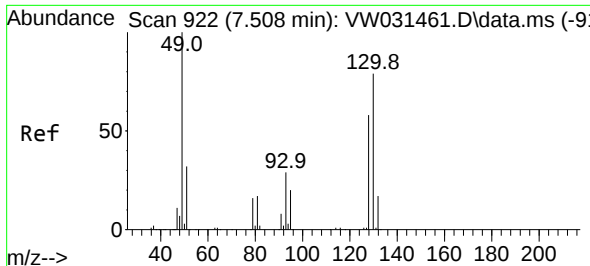
Ion Ratio Lower Upper

96 100

61 140.0 92.2 171.2

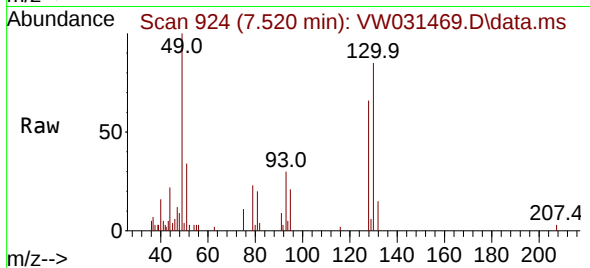
98 69.3 43.7 81.1



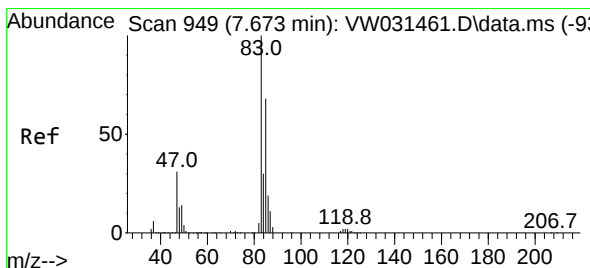
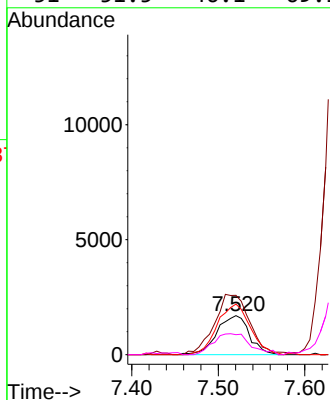
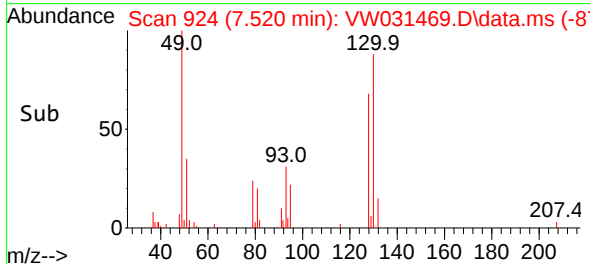


#23  
Bromochloromethane  
Concen: 1.515 ug/L  
RT: 7.520 min Scan# 912  
Delta R.T. 0.012 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Instrument :  
MSVOA\_W  
ClientSampleId :

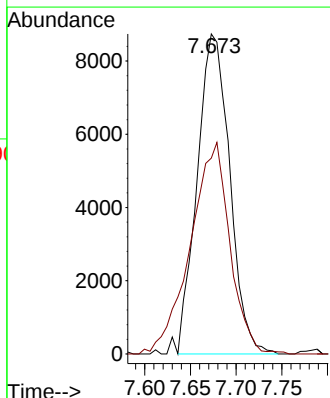
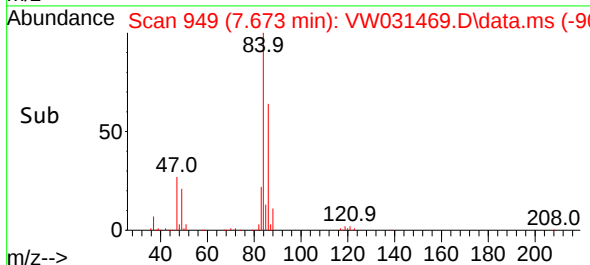
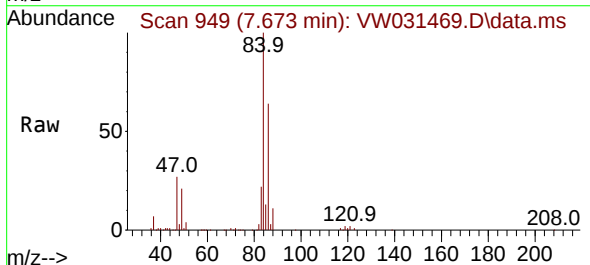


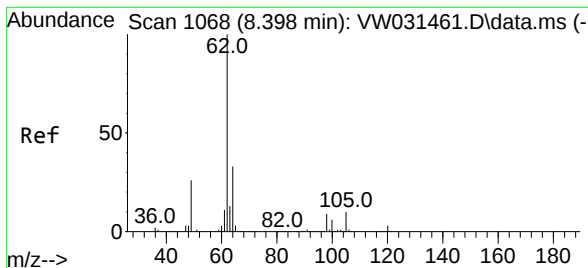
Tgt Ion:128 Resp: 4403  
Ion Ratio Lower Upper  
128 100  
49 152.4 123.7 229.7  
130 129.8 90.3 167.7  
51 51.5 46.1 69.1



#25  
Chloroform  
Concen: 1.746 ug/L  
RT: 7.673 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Tgt Ion: 83 Resp: 21684  
Ion Ratio Lower Upper  
83 100  
85 61.2 46.1 85.5





#27

1,2-Dichloroethane

Concen: 1.516 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

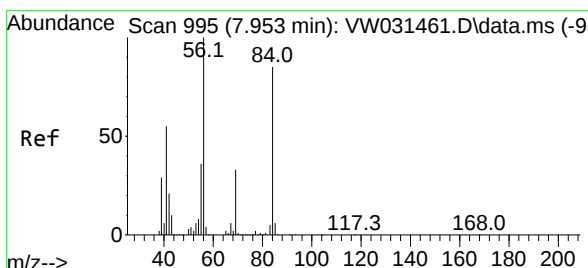
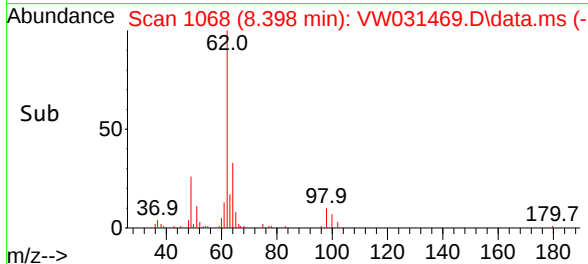
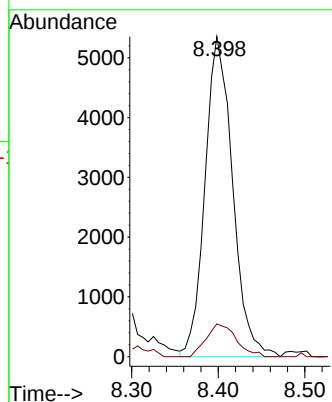
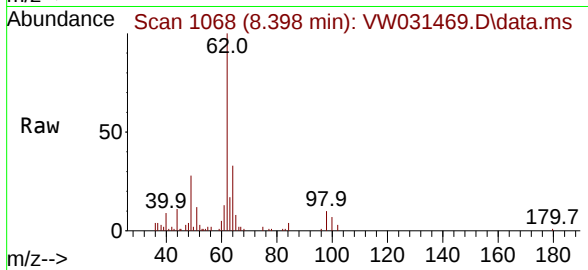
ClientSampleId :

Tgt Ion: 62 Resp: 11843

Ion Ratio Lower Upper

62 100

98 10.2 7.2 10.8



#29

Cyclohexane

Concen: 1.192 ug/L

RT: 7.953 min Scan# 995

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

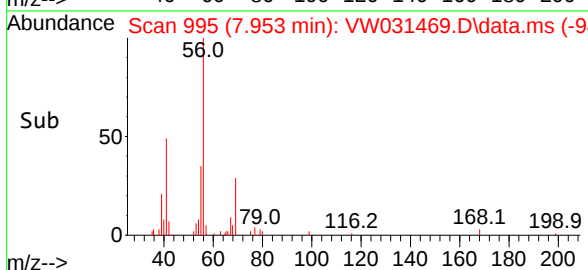
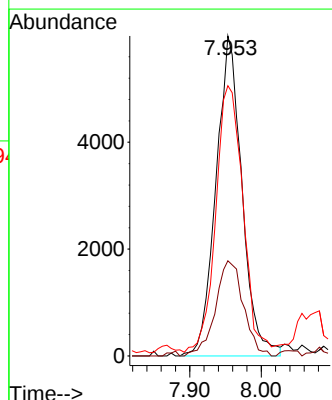
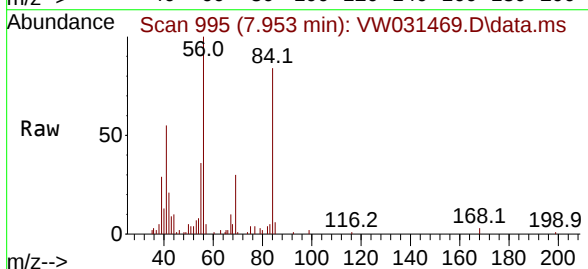
Tgt Ion: 56 Resp: 15150

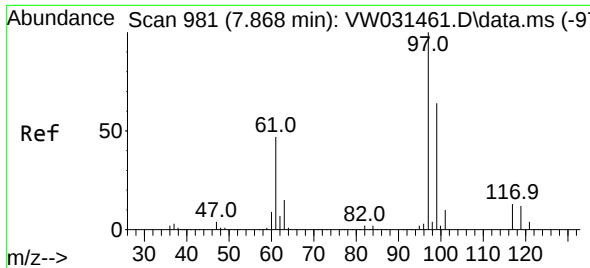
Ion Ratio Lower Upper

56 100

69 31.7 25.0 37.4

84 86.9 68.9 103.3

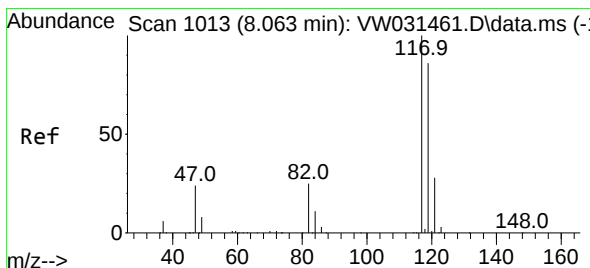
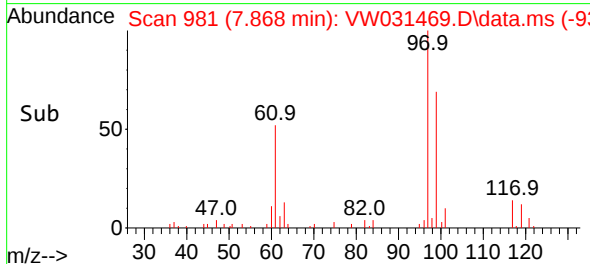
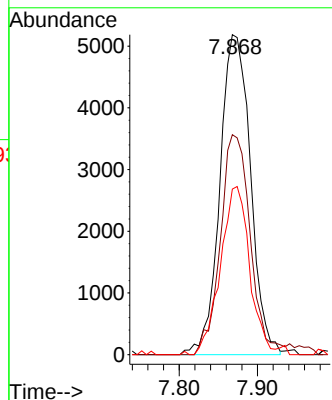
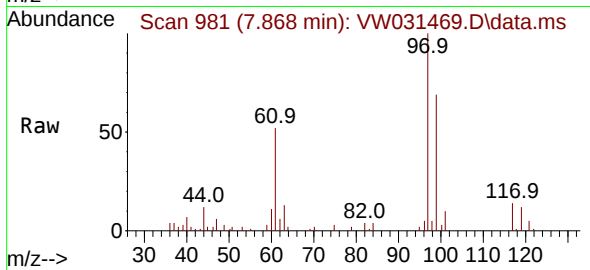




#30  
 1,1,1-Trichloroethane  
 Concen: 1.162 ug/L  
 RT: 7.868 min Scan# 981  
 Delta R.T. 0.000 min  
 Lab File: VW031469.D  
 Acq: 21 Dec 2024 18:56

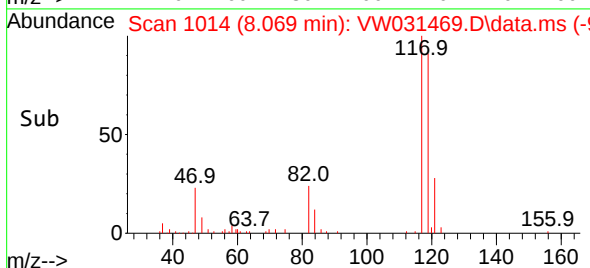
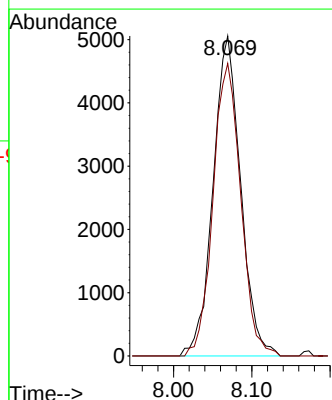
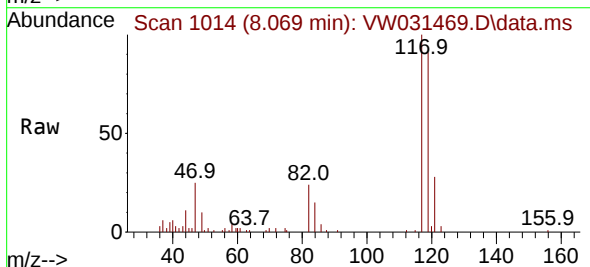
Instrument :  
 MSVOA\_W  
 ClientSampleId :

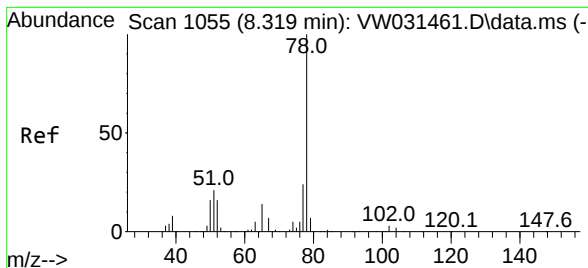
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 14077 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 67.4  | 51.1  | 76.7  |
| 61       | 50.0  | 36.3  | 54.5  |



#31  
 Carbon tetrachloride  
 Concen: 1.147 ug/L  
 RT: 8.069 min Scan# 1014  
 Delta R.T. 0.006 min  
 Lab File: VW031469.D  
 Acq: 21 Dec 2024 18:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 12375 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 91.7  | 76.0  | 114.0 |





#33

Benzene

Concen: 1.370 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VW031469.D

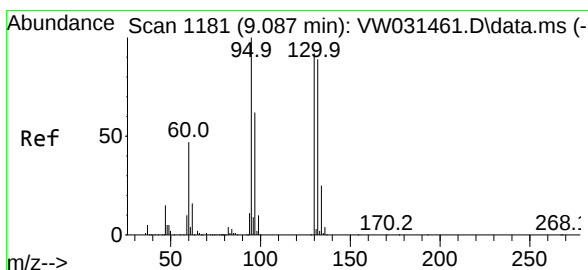
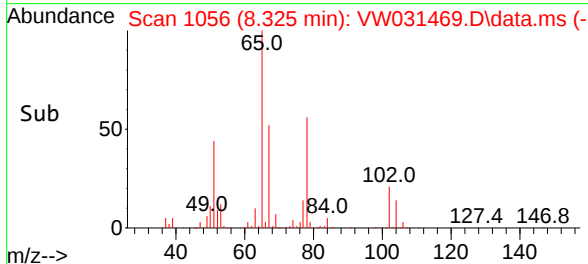
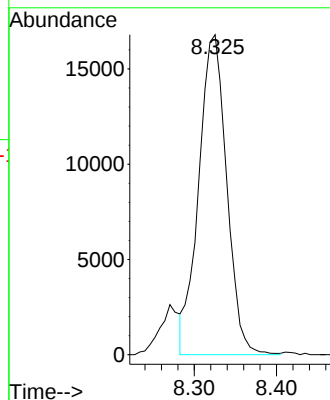
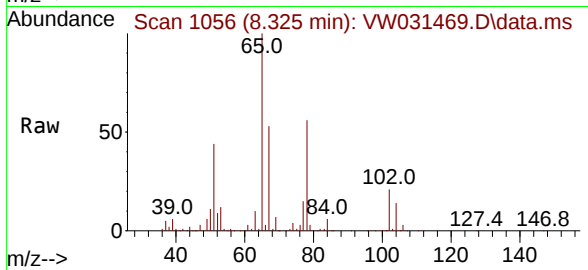
Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 78 Resp: 39672



#34

Trichloroethene

Concen: 1.331 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Tgt Ion: 95 Resp: 10881

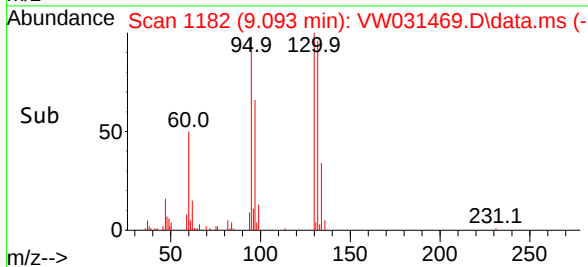
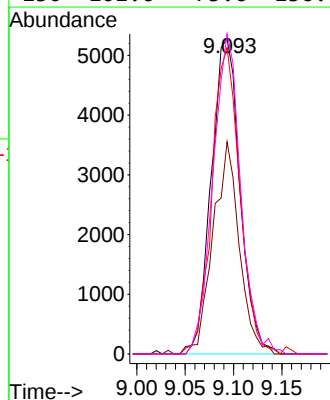
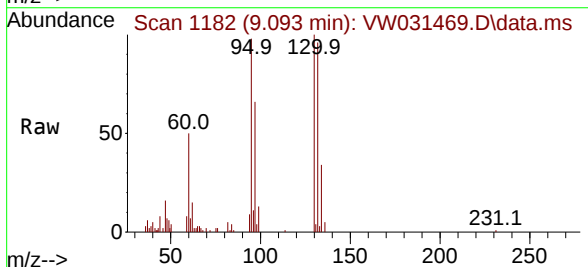
Ion Ratio Lower Upper

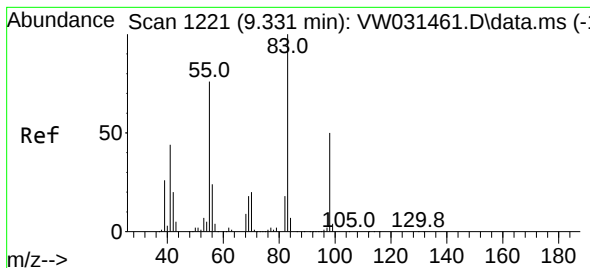
95 100

97 67.3 46.5 86.3

132 97.3 70.3 130.5

130 101.6 73.6 136.8





#35

Methylcyclohexane

Concen: 1.220 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

ClientSampleId :

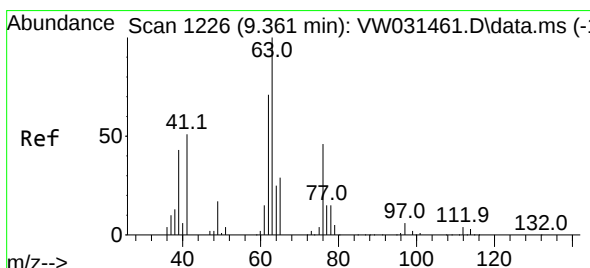
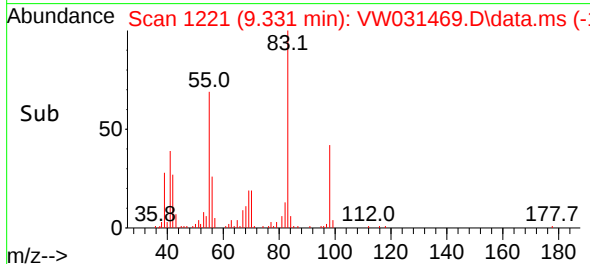
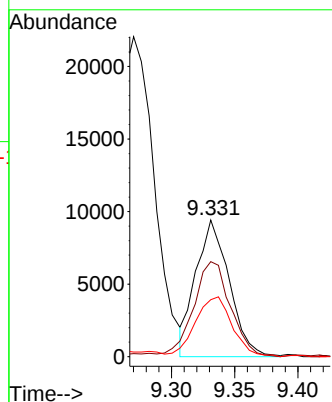
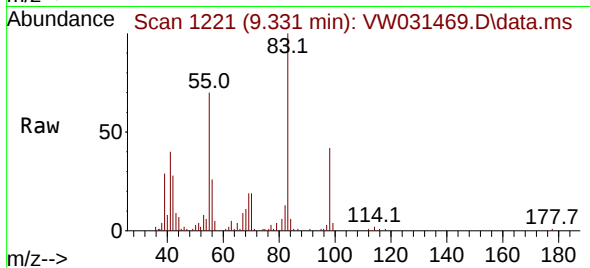
Tgt Ion: 83 Resp: 17366

Ion Ratio Lower Upper

83 100

55 76.6 62.6 93.8

98 48.2 39.8 59.6



#37

1,2-Dichloropropane

Concen: 1.400 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VW031469.D

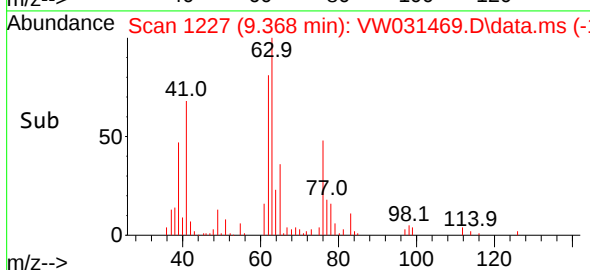
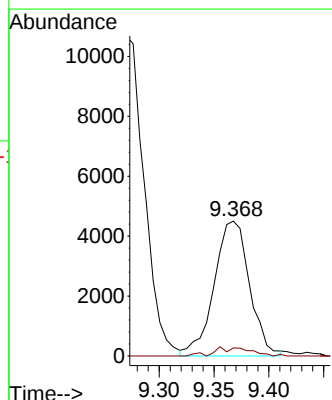
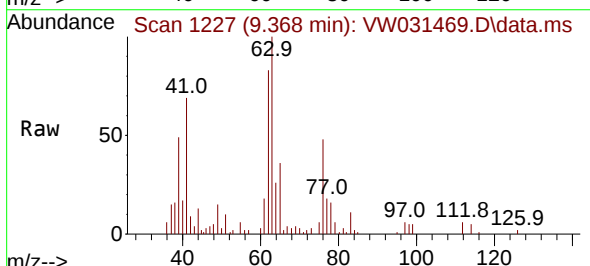
Acq: 21 Dec 2024 18:56

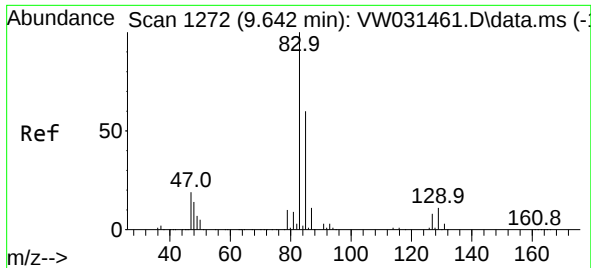
Tgt Ion: 63 Resp: 10112

Ion Ratio Lower Upper

63 100

112 3.7 3.8 5.8#

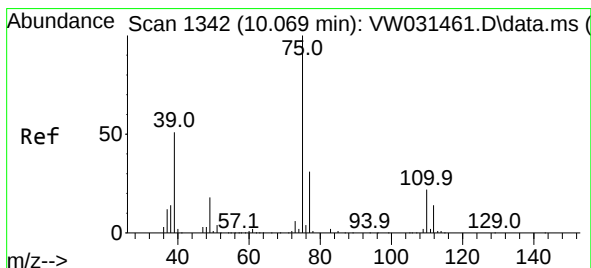
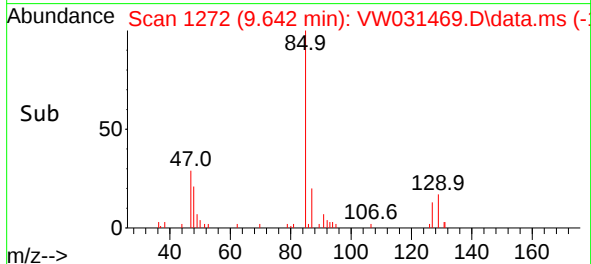
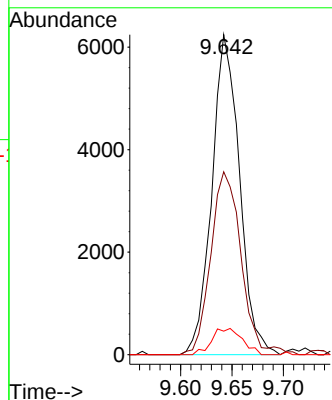
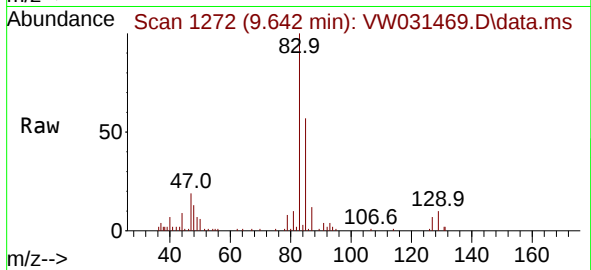




#38  
Bromodichloromethane  
Concen: 1.242 ug/L  
RT: 9.642 min Scan# 11669  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

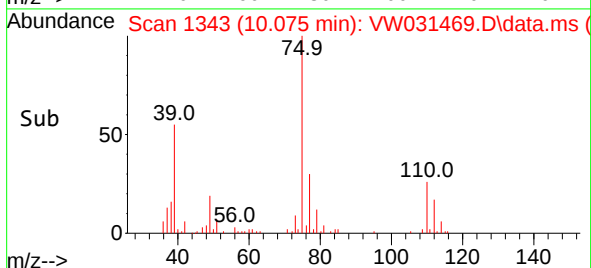
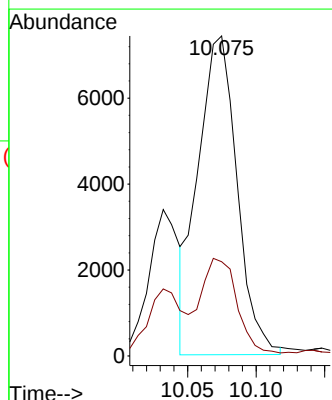
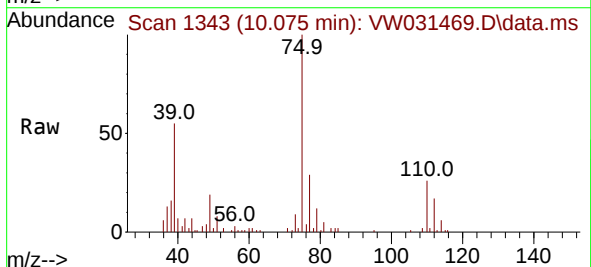
Instrument :  
MSVOA\_W  
ClientSampleId :

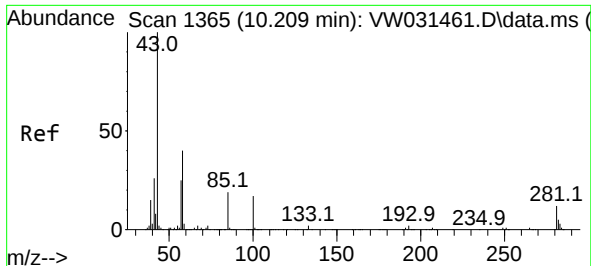
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 57.2  | 46.5  | 86.5  |
| 127     | 7.4   | 6.2   | 9.4   |



#39  
cis-1,3-Dichloropropene  
Concen: 1.201 ug/L  
RT: 10.075 min Scan# 1343  
Delta R.T. 0.006 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 29.5  | 21.8  | 40.4  |

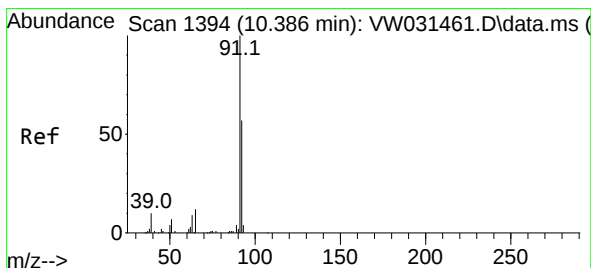
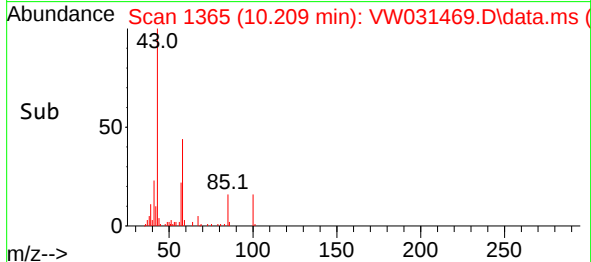
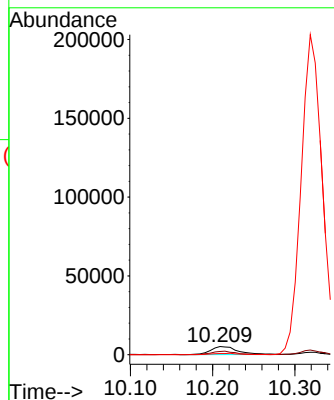
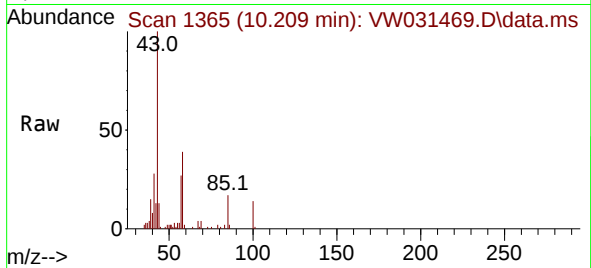




#40  
4-Methyl-2-pentanone  
Concen: 3.089 ug/L  
RT: 10.209 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

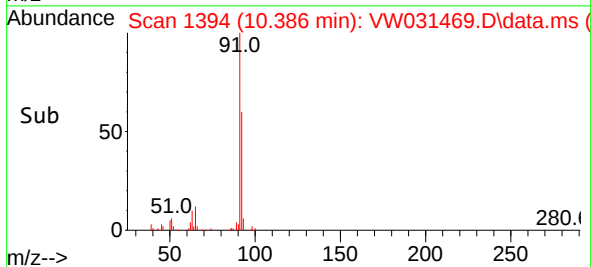
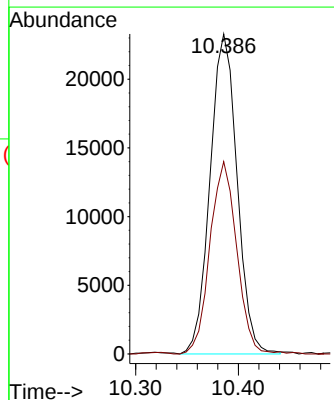
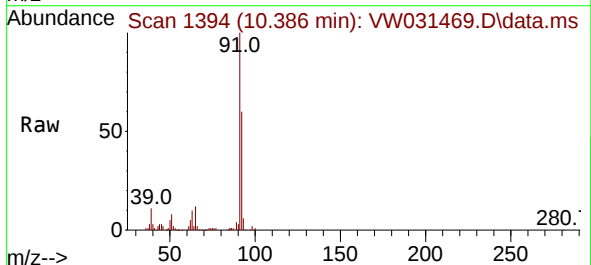
Instrument :  
MSVOA\_W  
ClientSampleId :

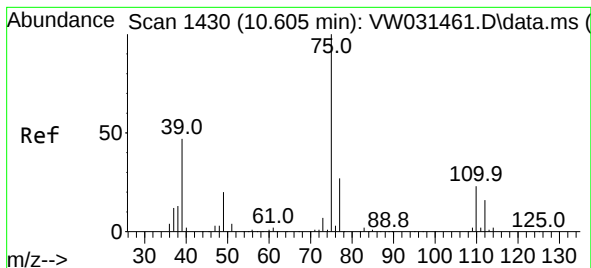
Tgt Ion: 43 Resp: 11841  
Ion Ratio Lower Upper  
43 100  
58 1.2 31.1 46.7#  
100 8.3 13.0 19.6#



#42  
Toluene  
Concen: 1.351 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Tgt Ion: 91 Resp: 42586  
Ion Ratio Lower Upper  
91 100  
92 60.1 40.3 74.9





#44

trans-1,3-Dichloropropene

Concen: 1.405 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

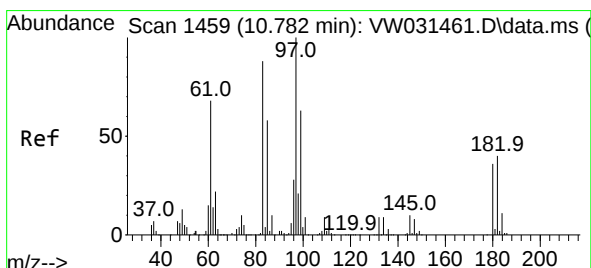
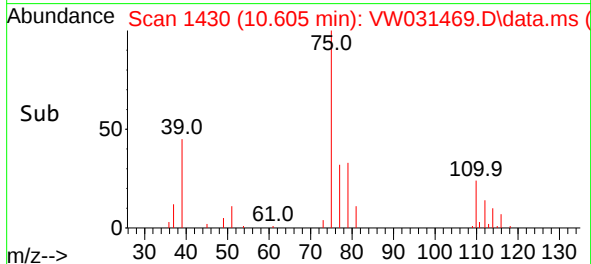
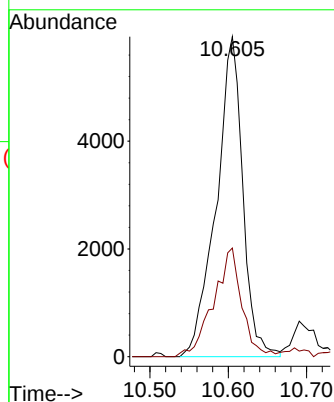
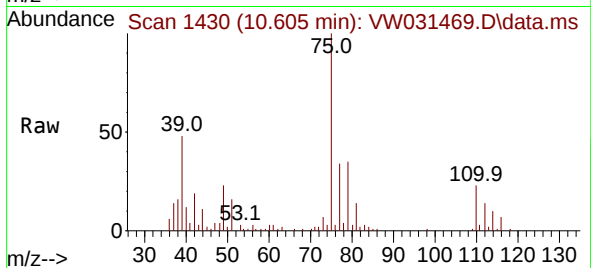
ClientSampleId :

Tgt Ion: 75 Resp: 14003

Ion Ratio Lower Upper

75 100

77 34.0 21.2 39.4



#45

1,1,2-Trichloroethane

Concen: 1.477 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Tgt Ion: 97 Resp: 7098

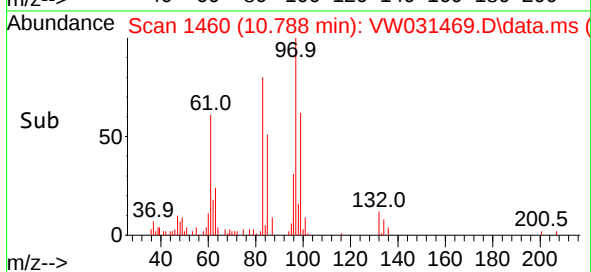
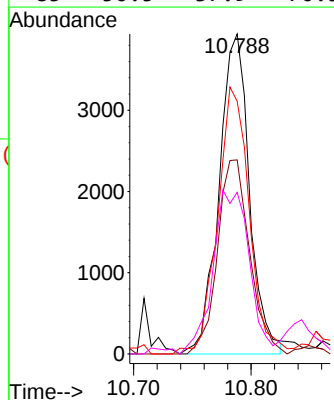
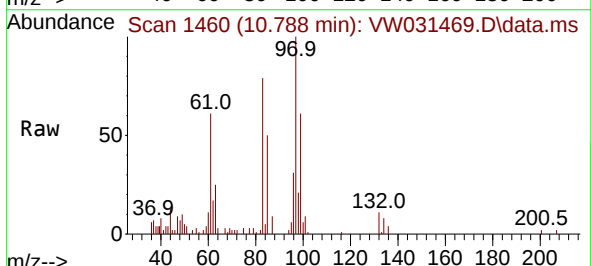
Ion Ratio Lower Upper

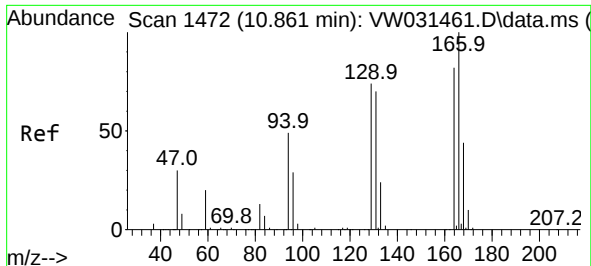
97 100

99 60.6 43.0 80.0

83 79.0 56.4 104.7

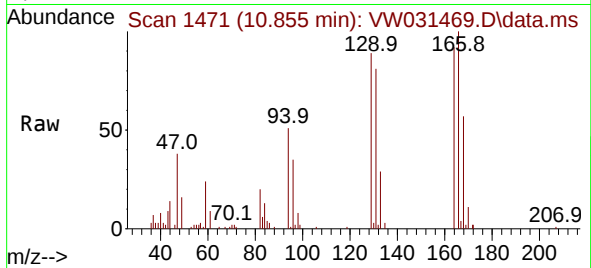
85 50.5 37.9 70.3



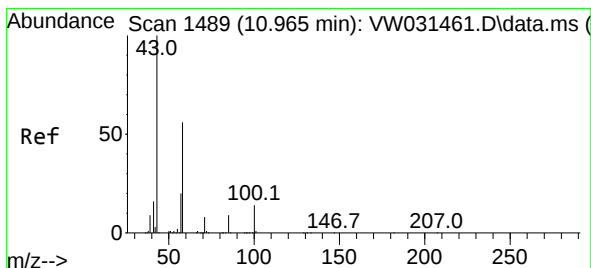
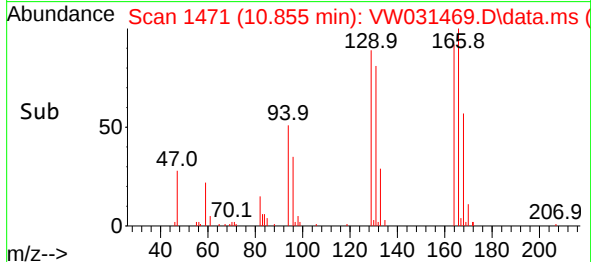
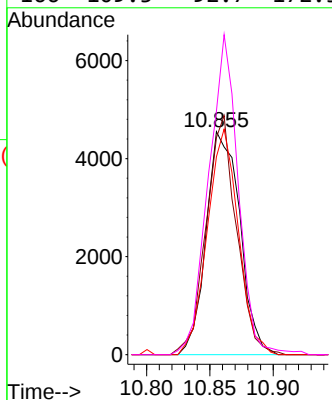


#46  
Tetrachloroethene  
Concen: 1.404 ug/L  
RT: 10.855 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Instrument :  
MSVOA\_W  
ClientSampleId :

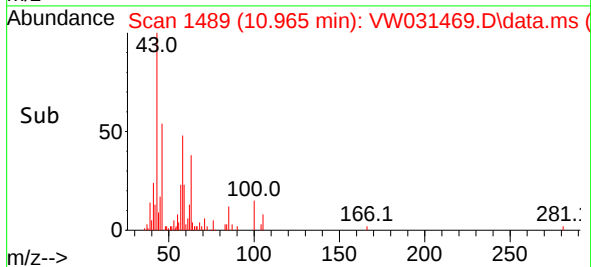
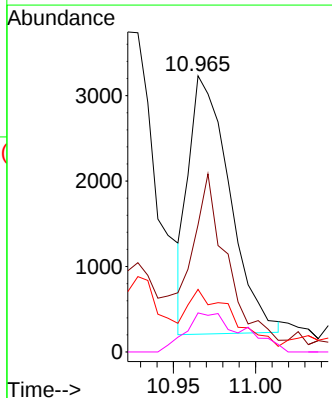
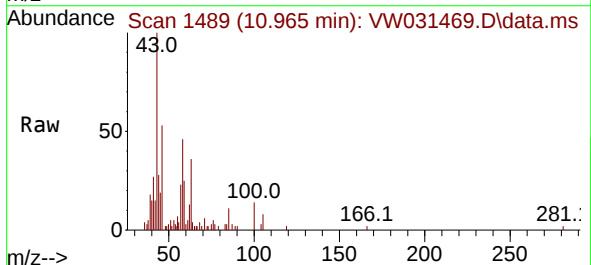


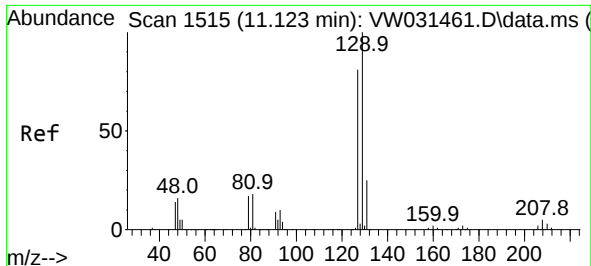
Tgt Ion:164 Resp: 8406  
Ion Ratio Lower Upper  
164 100  
129 97.3 73.5 136.5  
131 88.8 66.6 123.8  
166 109.3 92.7 172.3



#48  
2-Hexanone  
Concen: 1.596 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Tgt Ion: 43 Resp: 5203  
Ion Ratio Lower Upper  
43 100  
58 63.1 43.0 64.6  
57 5.9 15.7 23.5#  
100 16.3 10.3 15.5#





#49

Dibromochloromethane

Concen: 1.205 ug/L

RT: 11.130 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

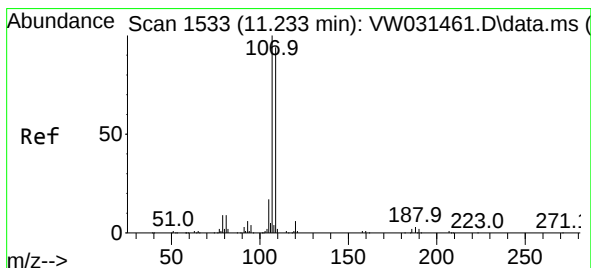
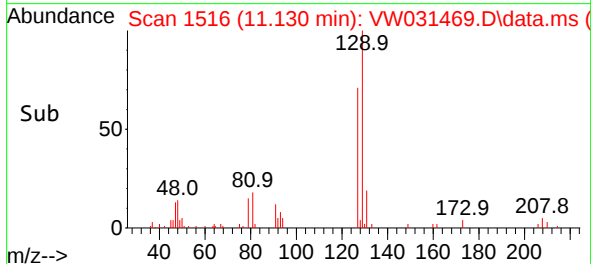
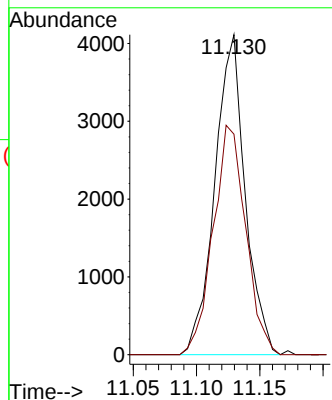
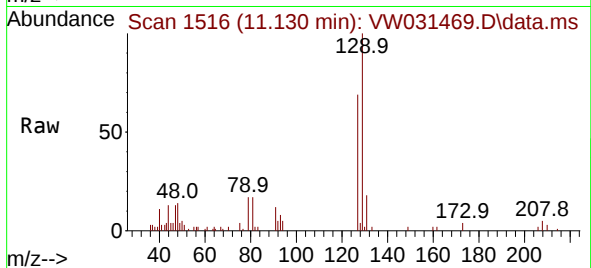
ClientSampleId :

Tgt Ion:129 Resp: 6864

Ion Ratio Lower Upper

129 100

127 68.9 57.6 107.0



#50

1,2-Dibromoethane

Concen: 1.457 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

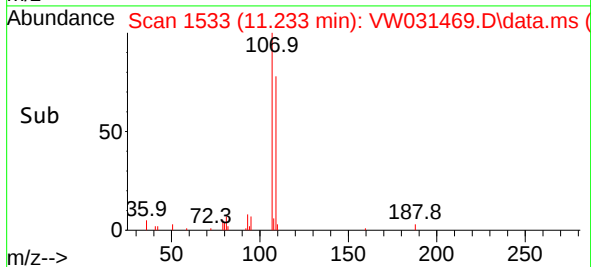
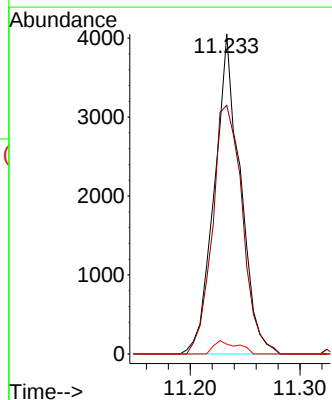
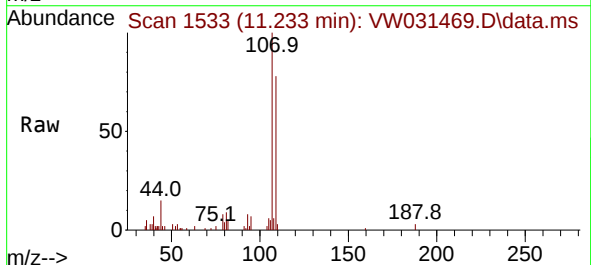
Tgt Ion:107 Resp: 6634

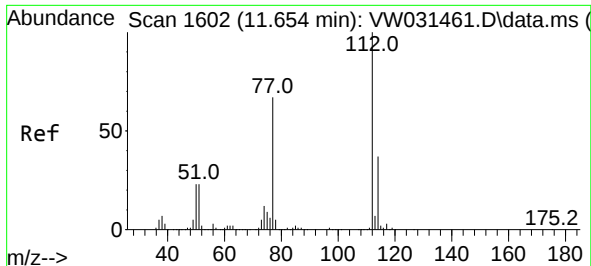
Ion Ratio Lower Upper

107 100

109 77.7 63.2 117.4

188 3.0 2.6 4.0

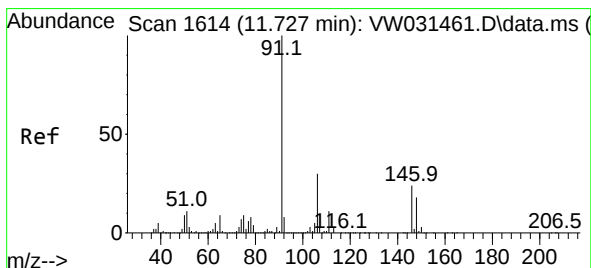
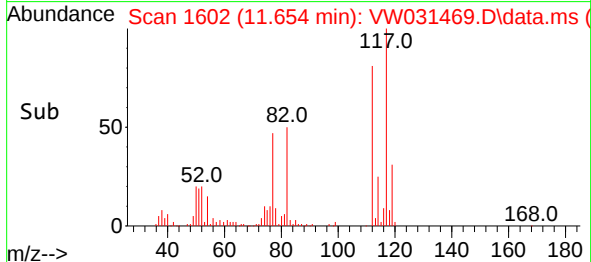
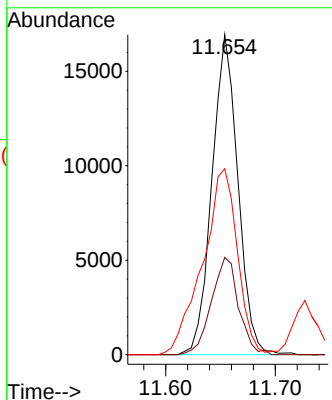
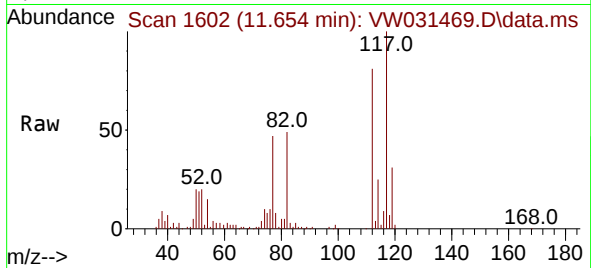




#51  
Chlorobenzene  
Concen: 1.408 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

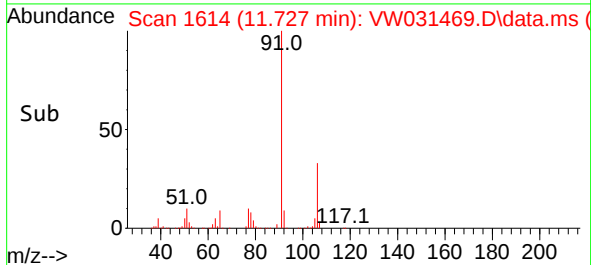
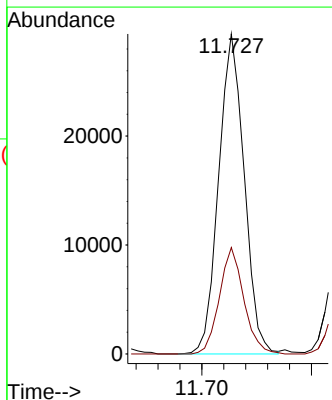
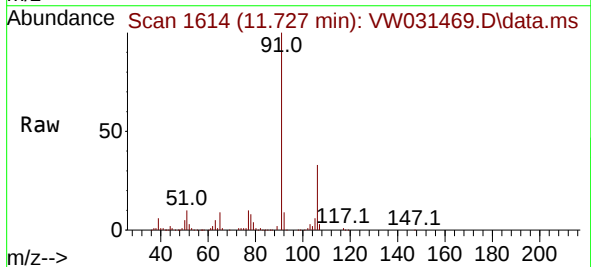
Instrument :  
MSVOA\_W  
ClientSampleId :

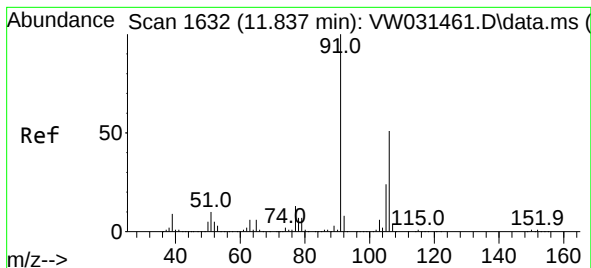
Tgt Ion:112 Resp: 27827  
Ion Ratio Lower Upper  
112 100  
114 30.4 22.7 42.3  
77 58.1 50.2 75.4



#52  
Ethylbenzene  
Concen: 1.301 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Tgt Ion: 91 Resp: 47553  
Ion Ratio Lower Upper  
91 100  
106 33.3 20.7 38.5





#53

m,p-Xylene

Concen: 1.326 ug/L

RT: 11.831 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

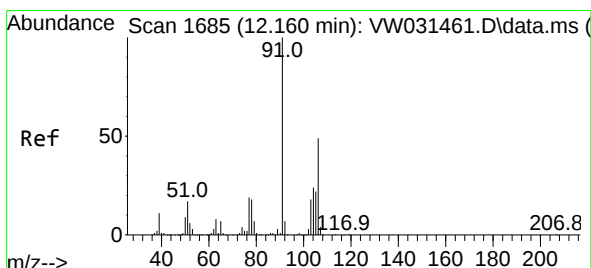
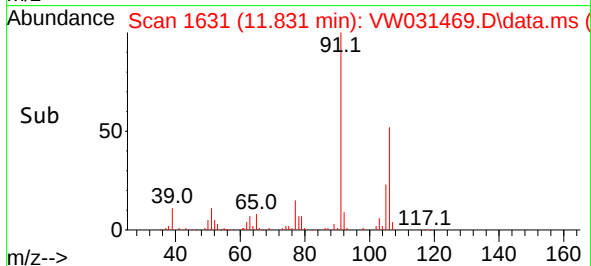
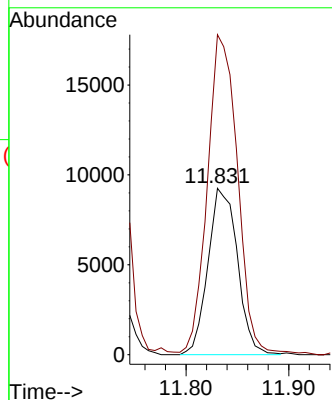
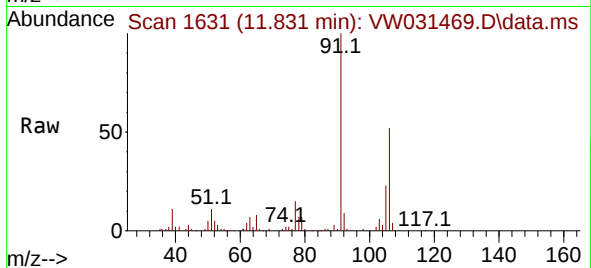
ClientSampleId :

Tgt Ion:106 Resp: 18450

Ion Ratio Lower Upper

106 100

91 192.2 139.9 259.7



#54

o-Xylene

Concen: 1.271 ug/L

RT: 12.160 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW031469.D

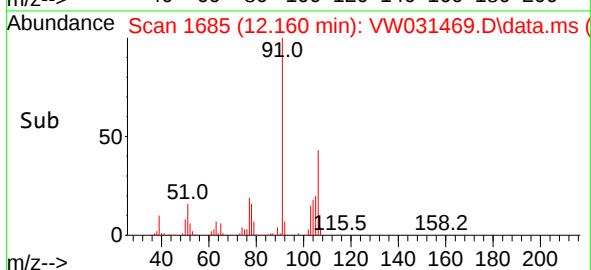
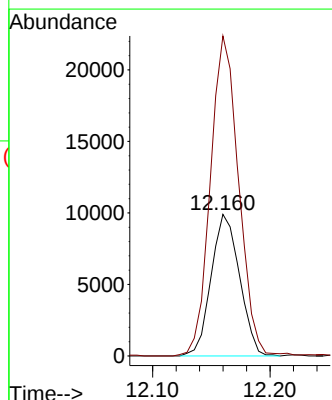
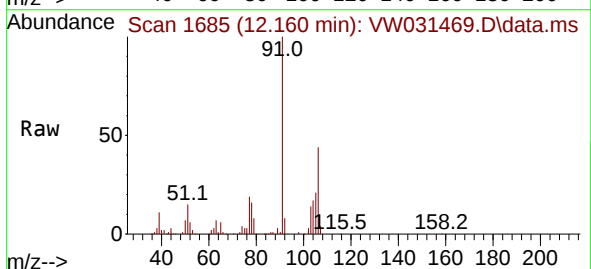
Acq: 21 Dec 2024 18:56

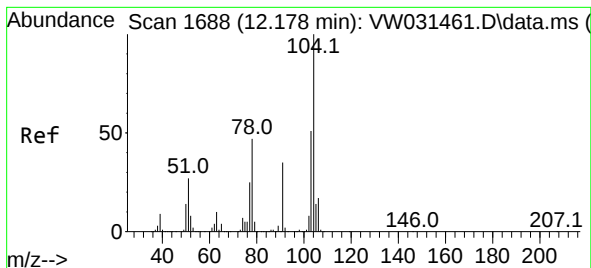
Tgt Ion:106 Resp: 16668

Ion Ratio Lower Upper

106 100

91 226.0 153.1 284.3





#55

Styrene

Concen: 1.255 ug/L

RT: 12.178 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

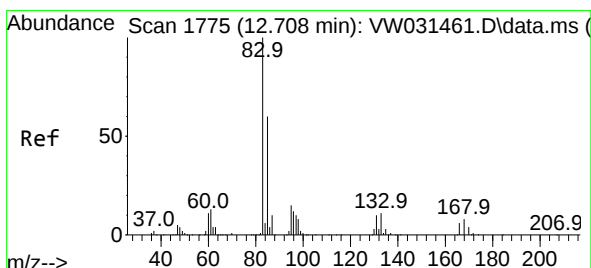
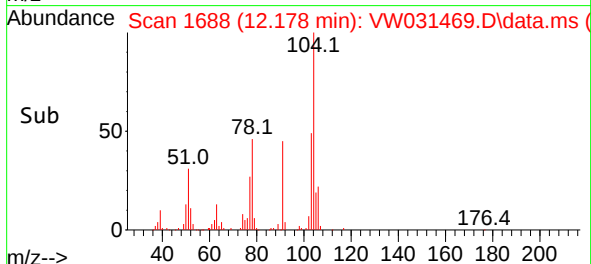
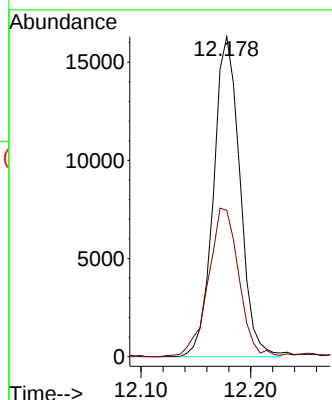
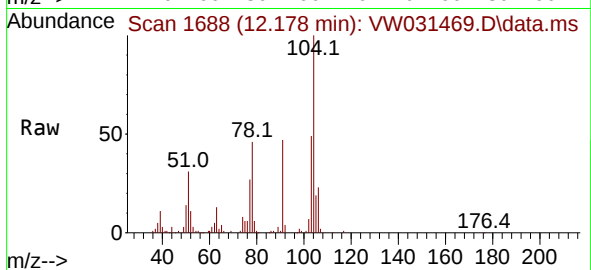
ClientSampleId :

Tgt Ion:104 Resp: 27370

Ion Ratio Lower Upper

104 100

78 45.8 31.4 58.4



#57

1,1,2,2-Tetrachloroethane

Concen: 1.737 ug/L

RT: 12.709 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

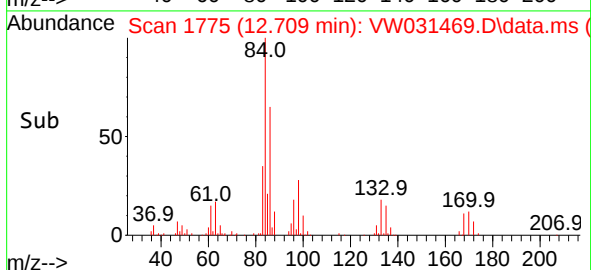
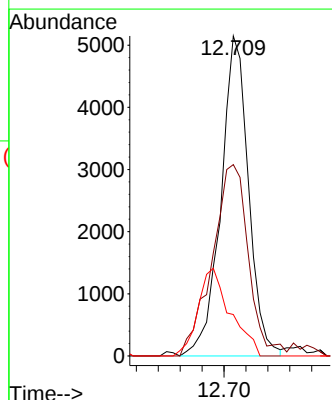
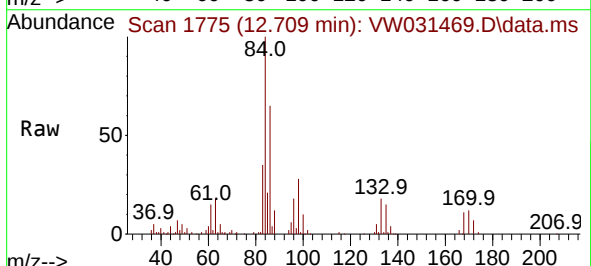
Tgt Ion: 83 Resp: 8999

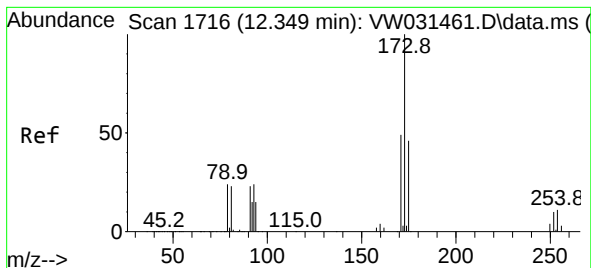
Ion Ratio Lower Upper

83 100

85 59.8 44.1 81.9

131 12.9 7.9 11.9#





#59

Bromoform

Concen: 1.040 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

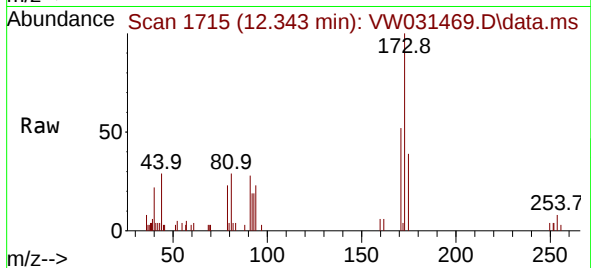
Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

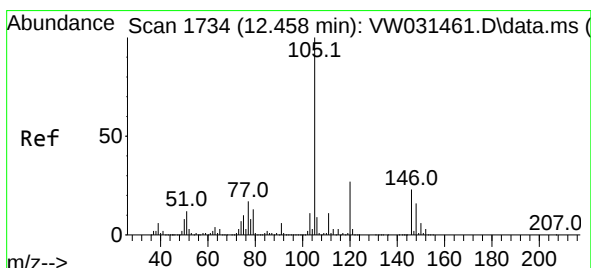
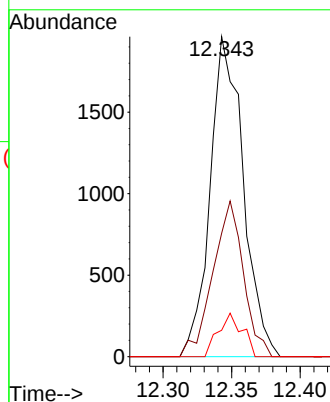
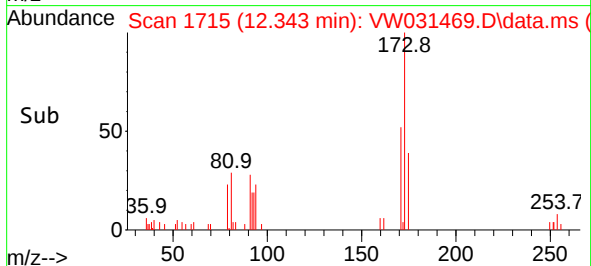
Instrument :

MSVOA\_W

ClientSampleId :



|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 3295 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 45.0  | 38.6  | 57.8 |
| 254       | 9.8   | 7.6   | 11.4 |



#60

Isopropylbenzene

Concen: 1.281 ug/L

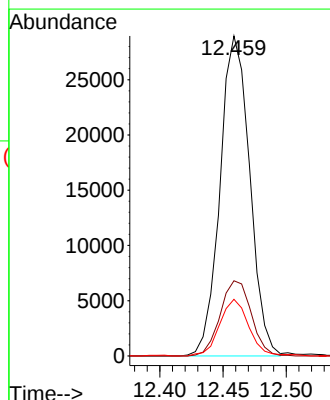
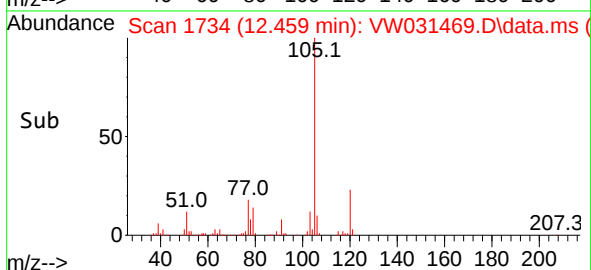
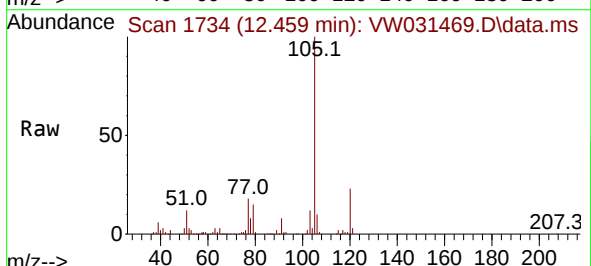
RT: 12.459 min Scan# 1734

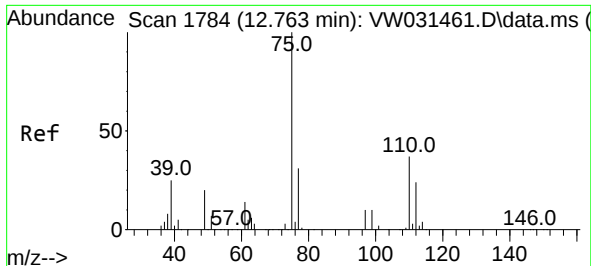
Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 47274 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 24.5  | 20.6  | 31.0  |
| 77        | 17.2  | 12.8  | 19.2  |





#61

1,2,3-Trichloropropane

Concen: 1.607 ug/L

RT: 12.769 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031469.D

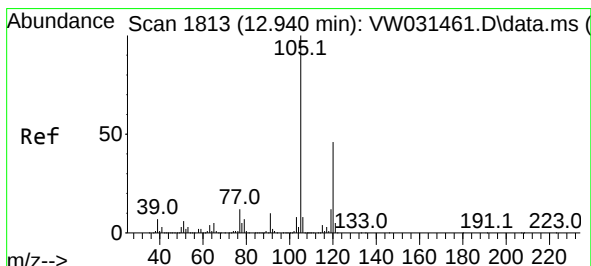
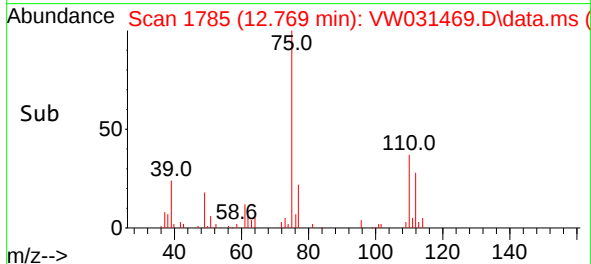
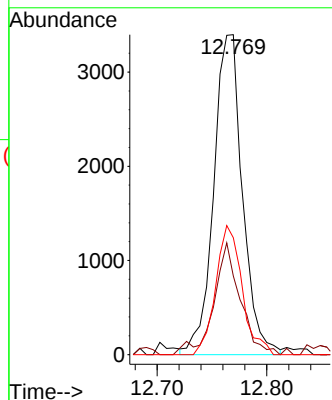
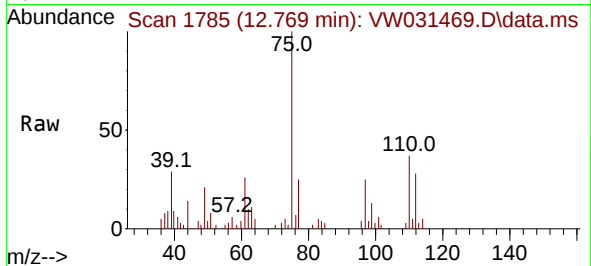
Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6201  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 30.3  | 25.3  | 37.9  |
| 110      | 36.9  | 31.2  | 46.8  |



#62

1,3,5-Trimethylbenzene

Concen: 1.206 ug/L

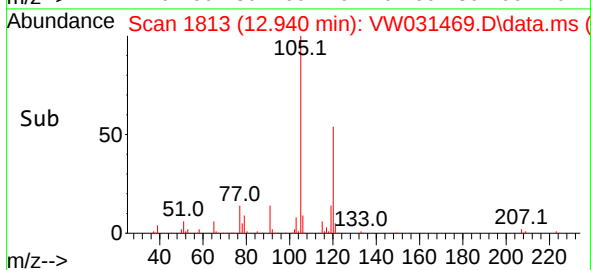
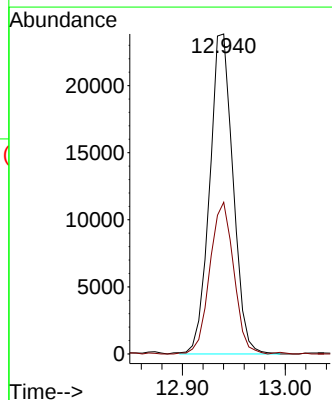
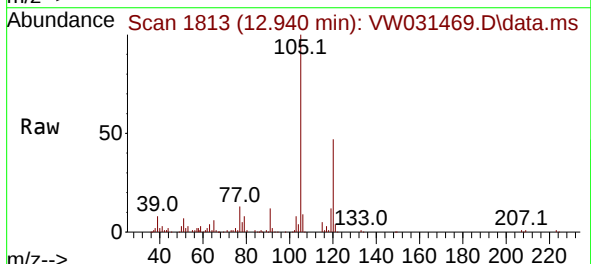
RT: 12.940 min Scan# 1813

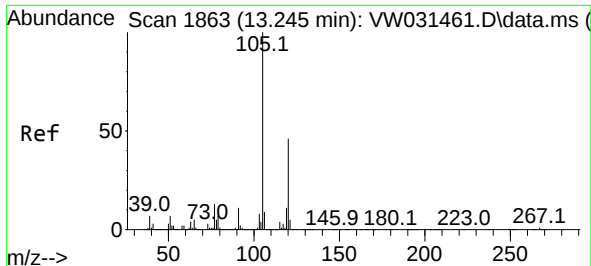
Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 37717 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 48.4  | 37.3  | 55.9  |

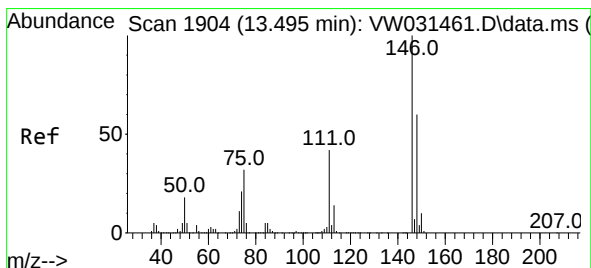
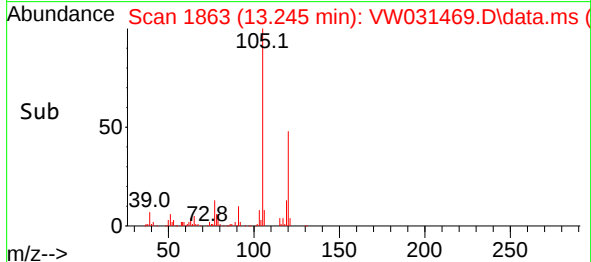
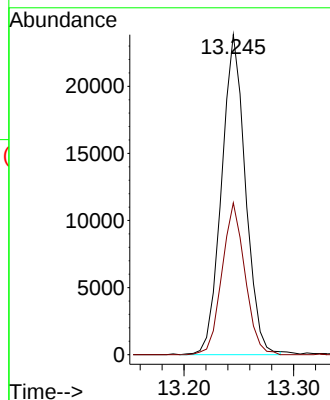
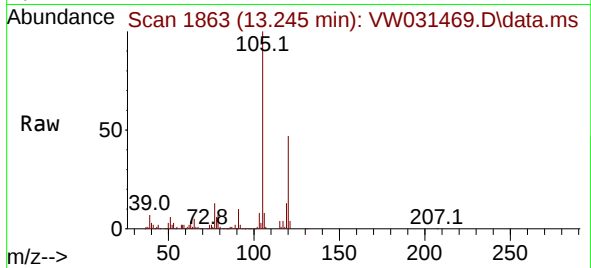




#63  
1,2,4-Trimethylbenzene  
Concen: 1.195 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

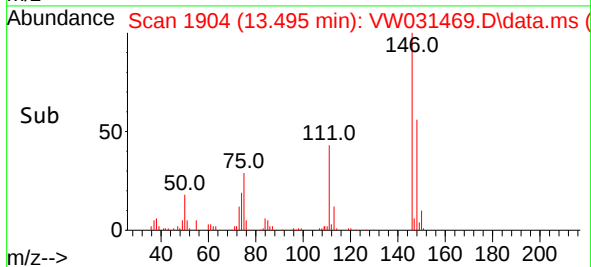
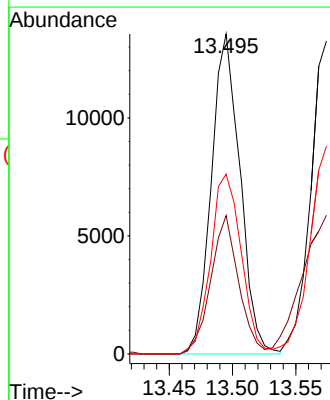
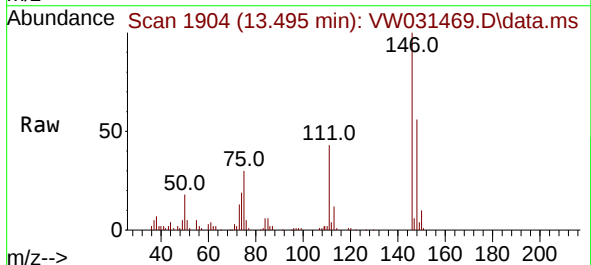
Instrument :  
MSVOA\_W  
ClientSampleId :

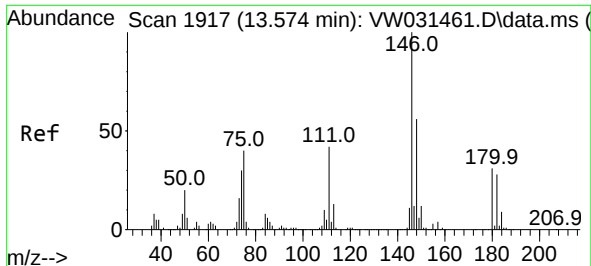
Tgt Ion:105 Resp: 36133  
Ion Ratio Lower Upper  
105 100  
120 45.6 35.0 52.4



#64  
1,3-Dichlorobenzene  
Concen: 1.430 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Tgt Ion:146 Resp: 21383  
Ion Ratio Lower Upper  
146 100  
111 43.2 27.6 51.2  
148 56.2 41.0 76.2

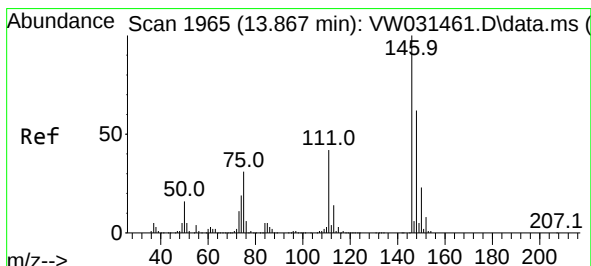
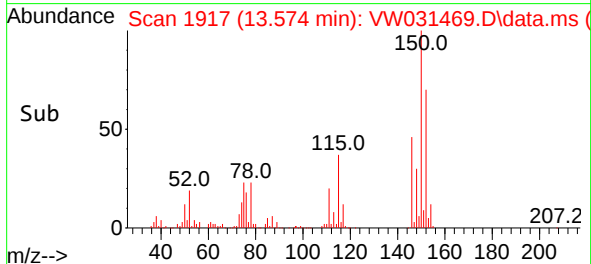
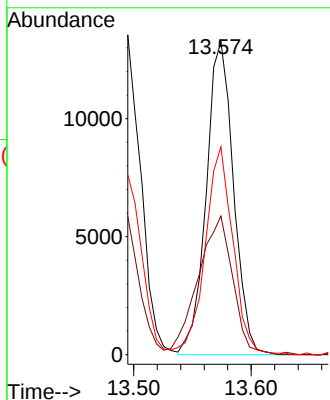
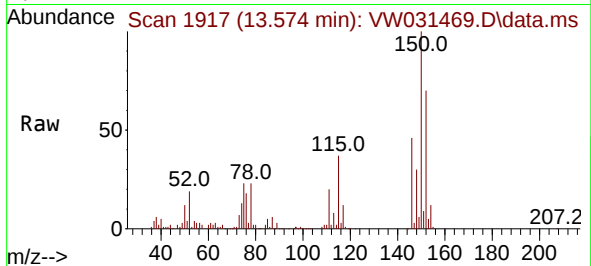




#65  
1,4-Dichlorobenzene  
Concen: 1.449 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

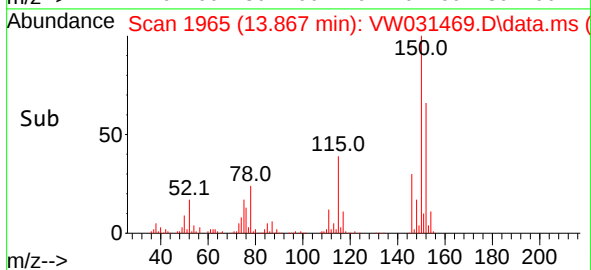
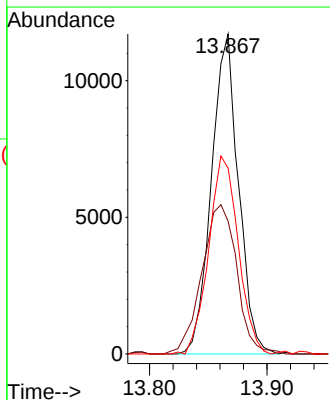
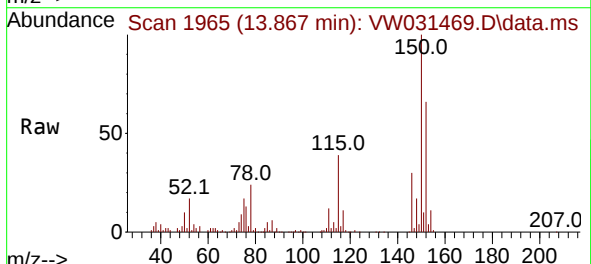
Instrument :  
MSVOA\_W  
ClientSampleId :

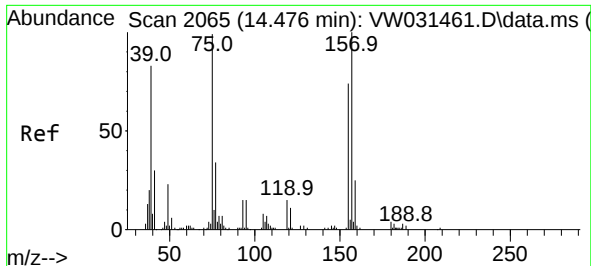
Tgt Ion:146 Resp: 21458  
Ion Ratio Lower Upper  
146 100  
111 44.3 30.7 56.9  
148 66.4 46.5 86.3



#67  
1,2-Dichlorobenzene  
Concen: 1.454 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Tgt Ion:146 Resp: 18729  
Ion Ratio Lower Upper  
146 100  
111 41.4 38.6 58.0  
148 58.1 53.6 80.4

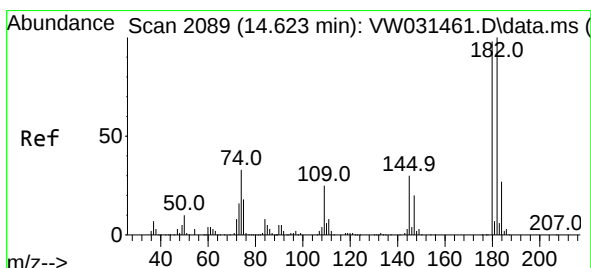
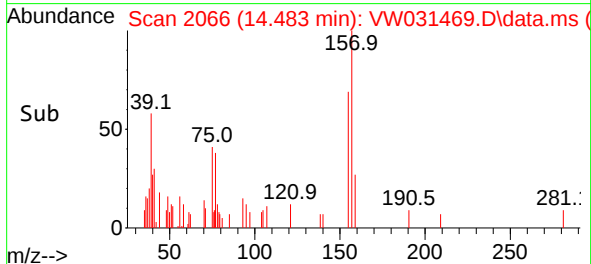
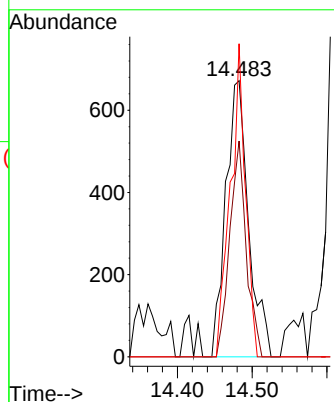
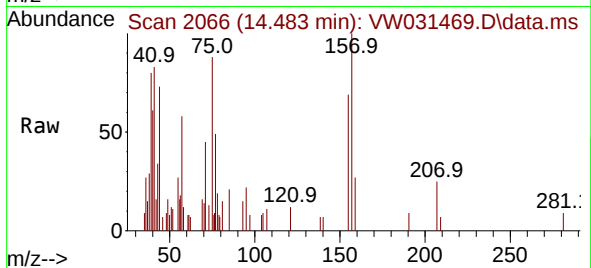




#68  
1,2-Dibromo-3-chloropropane  
Concen: 1.548 ug/L  
RT: 14.483 min Scan# 2066  
Delta R.T. 0.006 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

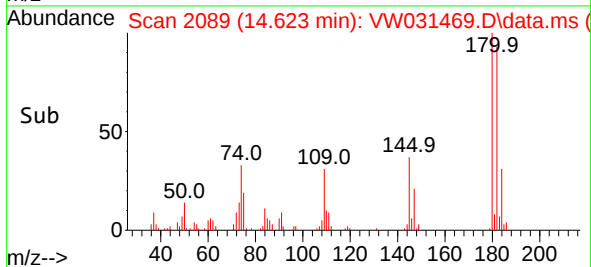
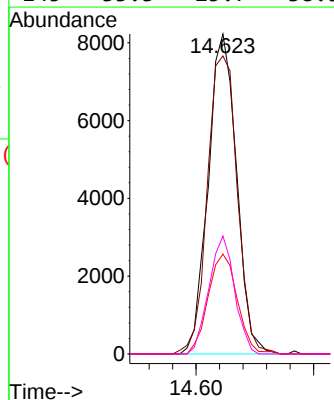
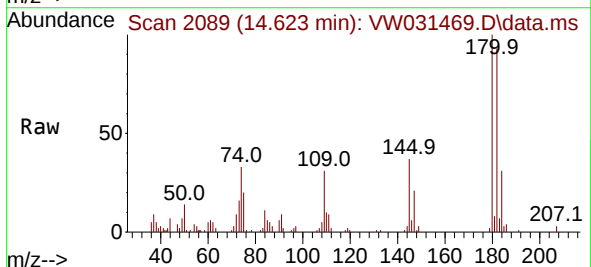
Instrument :  
MSVOA\_W  
ClientSampleId :

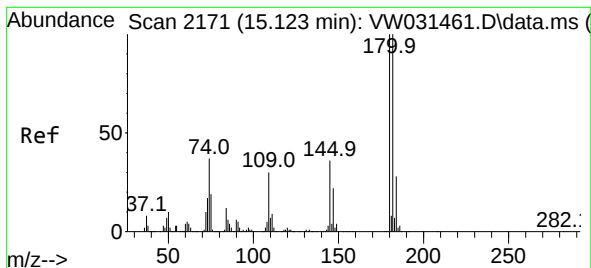
Tgt Ion: 75 Resp: 1516  
Ion Ratio Lower Upper  
75 100  
155 78.1 56.6 85.0  
157 113.4 71.2 106.8#



#69  
1,3,5-Trichlorobenzene  
Concen: 1.318 ug/L  
RT: 14.623 min Scan# 2089  
Delta R.T. 0.000 min  
Lab File: VW031469.D  
Acq: 21 Dec 2024 18:56

Tgt Ion:180 Resp: 13794  
Ion Ratio Lower Upper  
180 100  
182 98.2 75.0 112.4  
184 31.9 24.6 36.8  
145 33.3 25.7 38.5





#70

1,2,4-trichlorobenzene

Concen: 1.440 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

Instrument :

MSVOA\_W

ClientSampleId :

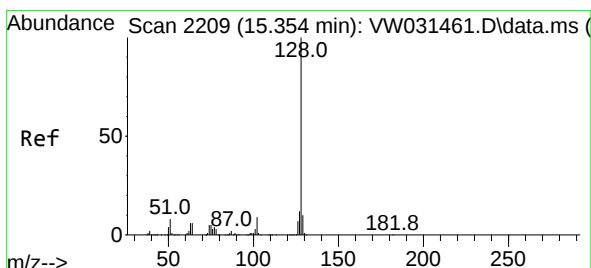
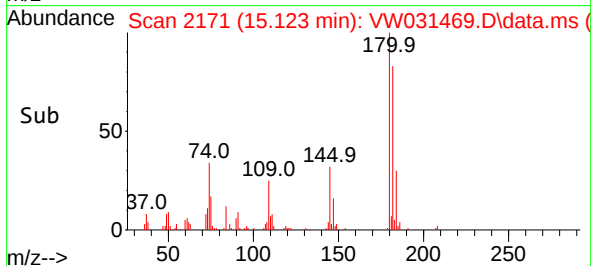
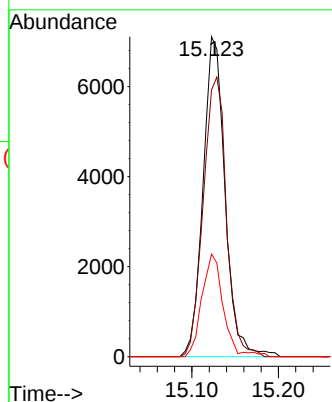
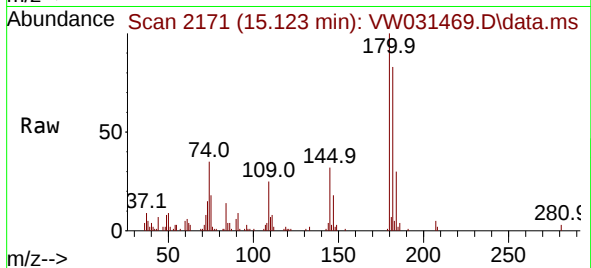
Tgt Ion:180 Resp: 12539

Ion Ratio Lower Upper

180 100

182 91.8 78.2 117.2

145 30.0 26.7 40.1



#71

Naphthalene

Concen: 1.387 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW031469.D

Acq: 21 Dec 2024 18:56

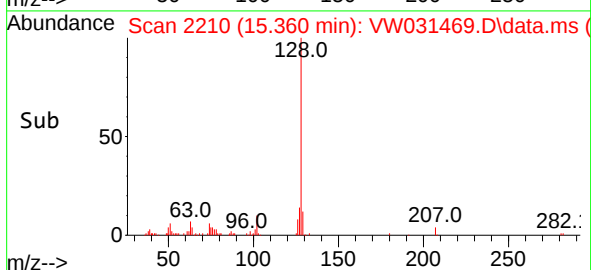
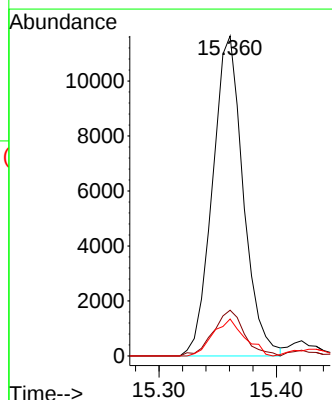
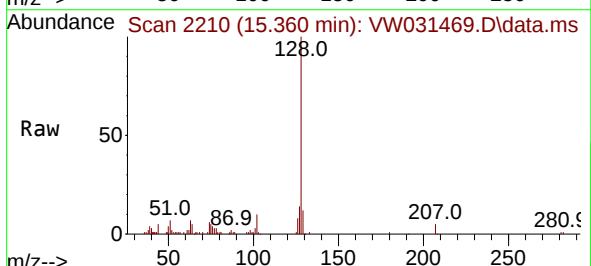
Tgt Ion:128 Resp: 21182

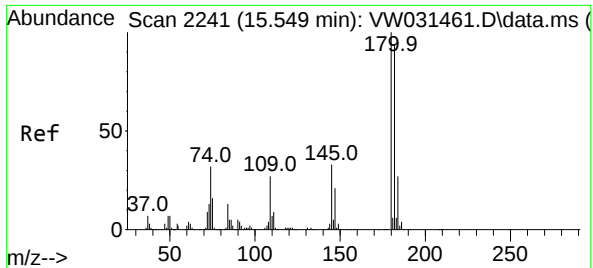
Ion Ratio Lower Upper

128 100

127 14.4 10.7 16.1

129 11.9 8.6 13.0





#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.536 ug/L  
 RT: 15.549 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW031469.D  
 Acq: 21 Dec 2024 18:56

Instrument :  
 MSVOA\_W  
 ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 10776      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 85.7  | 75.0 112.4 |
| 145         | 31.8  | 27.8 41.6  |

