

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122024\  
 Data File : VW031457.D  
 Acq On : 21 Dec 2024 03:51  
 Operator : SY/MD  
 Sample : P5333-22MSD  
 Misc : 8.34g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jan 03 12:54:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 27 22:18:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.825  | 114   | 965243   | 25.000   | ug/L   | -0.02    |
| 28) Chlorobenzene-d5          | 11.623 | 117   | 772528   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 315570   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.350  | 65    | 220705   | 15.197   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 60.800%  |
| 7) Chloroethane-d5            | 3.052  | 69    | 574      | 0.053    | ug/L   | 0.15     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 0.200%#  |
| 11) 1,1-Dichloroethene-d2     | 4.143  | 65    | 342      | 0.050    | ug/L   | 0.13     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 0.200%#  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 140      | 0.051    | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 0.100%#  |
| 24) Chloroform-d              | 7.624  | 84    | 386358   | 14.609   | ug/L   | -0.02    |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 58.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.288  | 65    | 184165   | 13.866   | ug/L   | -0.02    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 55.480%# |
| 32) Benzene-d6                | 8.240  | 84    | 825916   | 16.680   | ug/L   | -0.03    |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 66.720%  |
| 36) 1,2-Dichloropropane-d6    | 9.264  | 67    | 242812   | 16.826   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 67.320%# |
| 41) Toluene-d8                | 10.312 | 98    | 765060   | 16.609   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 66.440%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 68446    | 10.286   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 41.160%  |
| 47) 2-Hexanone-d5             | 10.946 | 63    | 35353    | 18.217   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 36.440%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.696 | 84    | 98464    | 10.867   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 43.480%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 166998   | 14.255   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 57.000%# |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.997  | 85    | 100247   | 11.492   | ug/L   | 96       |
| 3) Chloromethane              | 2.210  | 50    | 167724   | 17.114   | ug/L   | 95       |
| 5) Vinyl chloride             | 2.363  | 62    | 171966   | 12.662   | ug/L   | 100      |
| 6) Bromomethane               | 2.783  | 94    | 109215   | 13.080   | ug/L   | 98       |
| 8) Chloroethane               | 2.899  | 64    | 32956    | 4.080    | ug/L   | 94       |
| 14) Carbon disulfide          | 4.216  | 76    | 360942   | 9.353    | ug/L   | 100      |
| 15) Methyl Acetate            | 4.673  | 43    | 815380   | 188.473  | ug/L   | 96       |
| 16) Methylene chloride        | 4.826  | 84    | 155738   | 12.823   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.307  | 96    | 119116   | 9.339    | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.435  | 73    | 133401   | 6.256    | ug/L # | 84       |
| 19) 1,1-Dichloroethane        | 6.142  | 63    | 289742   | 12.156   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.130  | 96    | 170321   | 12.342   | ug/L   | 96       |
| 22) 2-Butanone                | 7.240  | 43    | 13583    | 2.943    | ug/L   | 98       |
| 23) Bromochloromethane        | 7.484  | 128   | 66378    | 12.060   | ug/L   | 93       |
| 25) Chloroform                | 7.654  | 83    | 302035   | 12.839   | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 8.380  | 62    | 176313   | 11.922   | ug/L   | 100      |
| 29) Cyclohexane               | 7.904  | 56    | 234018   | 11.170   | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.837  | 97    | 215796   | 10.807   | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.026  | 117   | 194607   | 10.940   | ug/L   | 98       |

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 ALS Vial : 48 Sample Multiplier: 1

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 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 27 22:18:12 2024  
 Response via : Initial Calibration

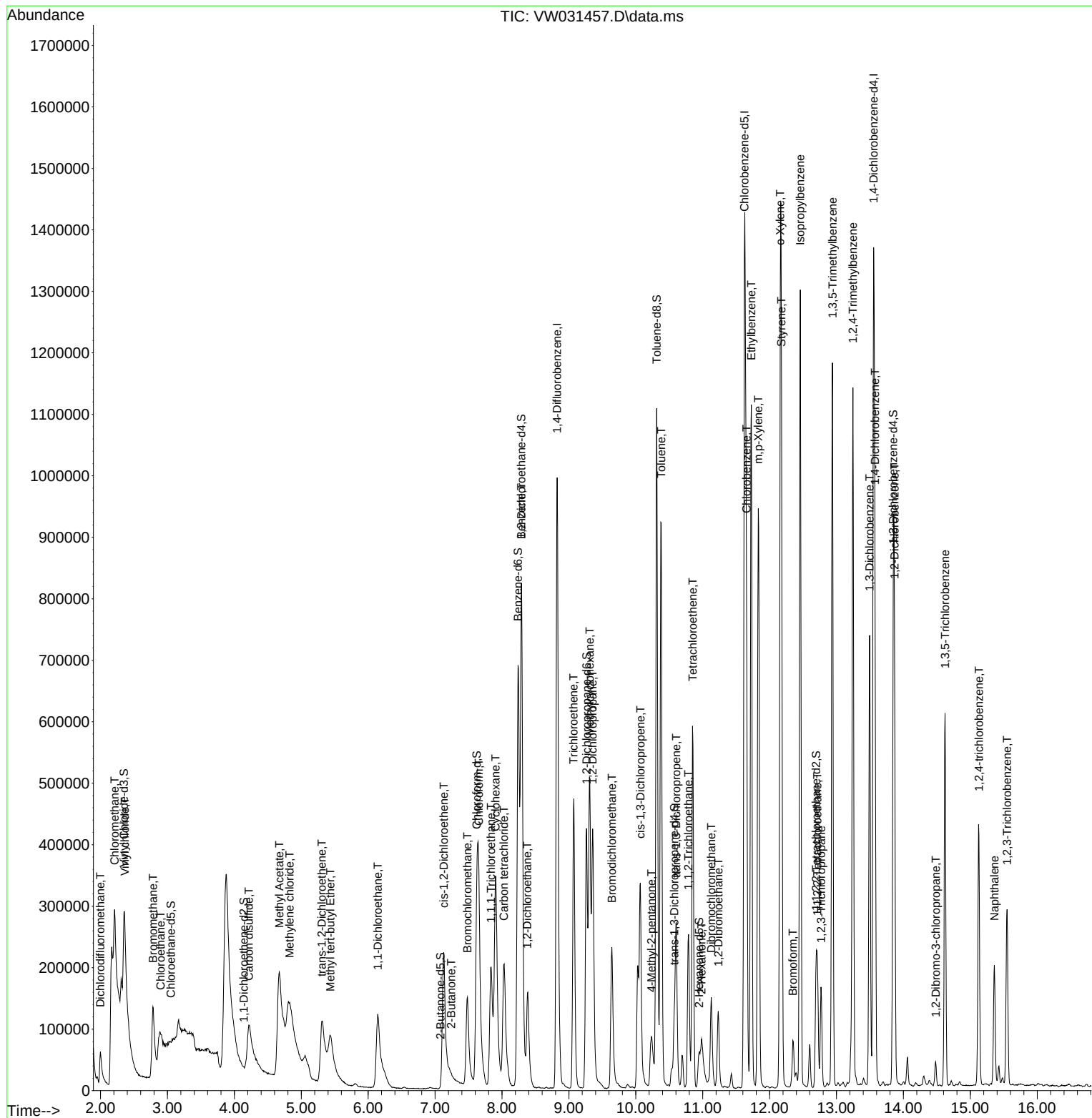
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 33) Benzene                   | 8.288  | 78   | 678183   | 14.206 | ug/L   | 100      |
| 34) Trichloroethene           | 9.069  | 95   | 182043   | 13.506 | ug/L   | 89       |
| 35) Methylcyclohexane         | 9.313  | 83   | 260624   | 11.104 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.355  | 63   | 159900   | 13.426 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 173626   | 11.214 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 220943   | 10.978 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.233 | 43   | 116250   | 18.398 | ug/L # | 92       |
| 42) Toluene                   | 10.379 | 91   | 731308   | 14.070 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 158362   | 9.637  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 95060    | 12.000 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.849 | 164  | 131140   | 13.283 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.983 | 43   | 74019    | 13.774 | ug/L # | 71       |
| 49) Dibromochloromethane      | 11.129 | 129  | 86093    | 9.169  | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 86555    | 11.534 | ug/L   | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 423911   | 13.008 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 812422   | 13.486 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.830 | 106  | 309297   | 13.487 | ug/L   | 95       |
| 54) o-Xylene                  | 12.160 | 106  | 285146   | 13.193 | ug/L   | 99       |
| 55) Styrene                   | 12.178 | 104  | 443234   | 12.329 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 80425    | 9.418  | ug/L   | 97       |
| 59) Bromoform                 | 12.349 | 173  | 35185    | 7.937  | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 803125   | 15.552 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 65682    | 12.163 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 632430   | 14.445 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 605797   | 14.316 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 291362   | 13.925 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 274226   | 13.228 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 226416   | 12.559 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 9959     | 7.268  | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 175293   | 11.962 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 134786   | 11.057 | ug/L   | 94       |
| 71) Naphthalene               | 15.360 | 128  | 169374   | 7.925  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 97403    | 9.918  | ug/L   | 98       |

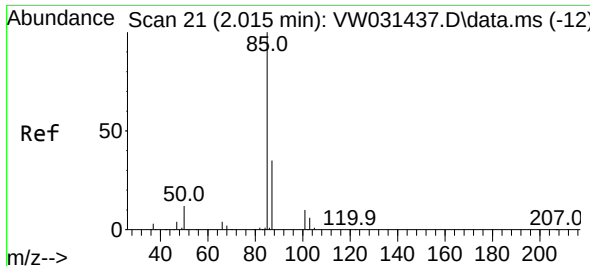
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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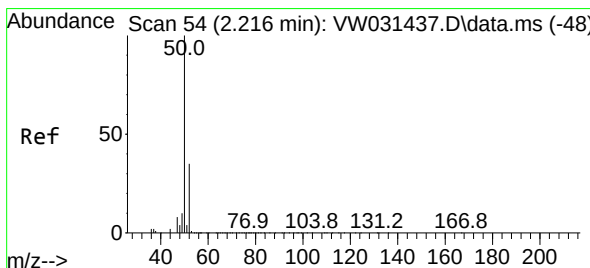
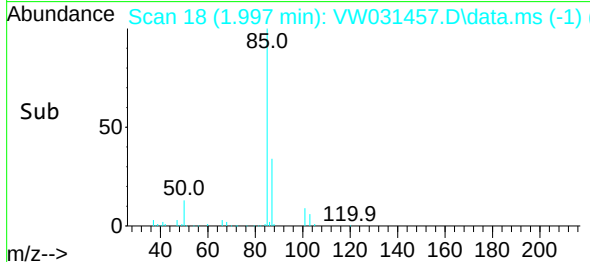
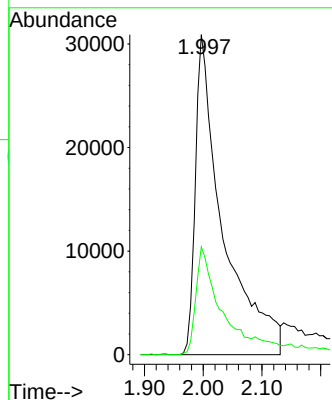
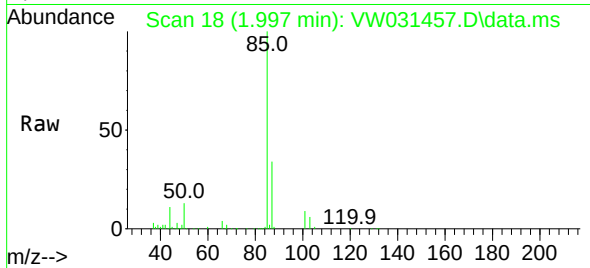




#2  
Dichlorodifluoromethane  
Concen: 11.492 ug/L  
RT: 1.997 min Scan# 18  
Delta R.T. -0.012 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

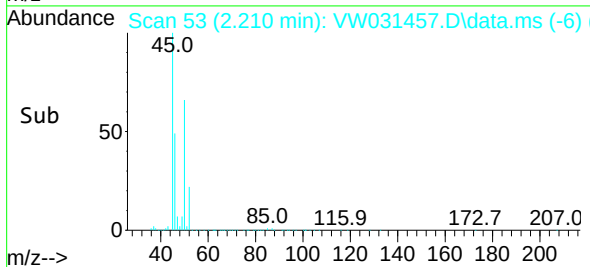
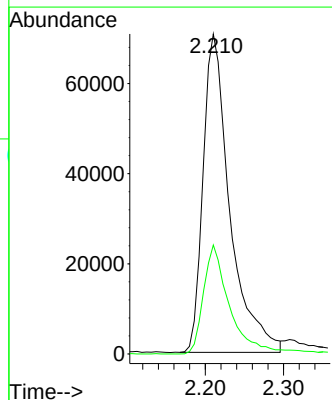
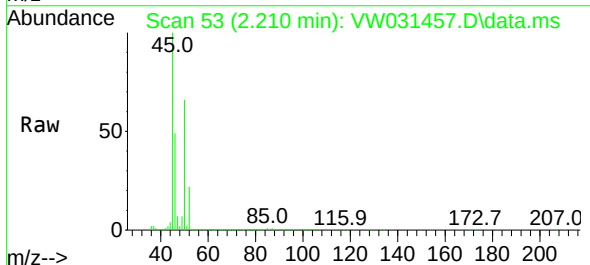
Instrument :  
MSVOA\_W  
ClientSampleId :

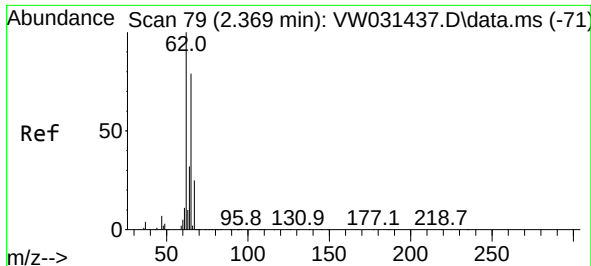
Tgt Ion: 85 Resp: 100247  
Ion Ratio Lower Upper  
85 100  
87 29.2 24.9 37.3



#3  
Chloromethane  
Concen: 17.114 ug/L  
RT: 2.210 min Scan# 53  
Delta R.T. -0.012 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Tgt Ion: 50 Resp: 167724  
Ion Ratio Lower Upper  
50 100  
52 34.0 22.0 41.0

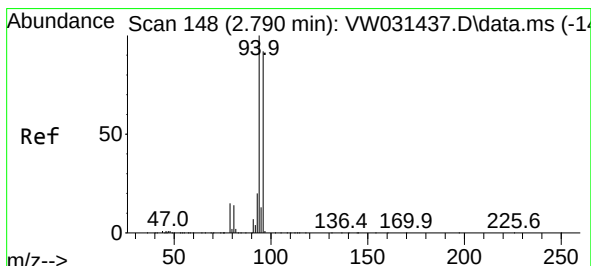
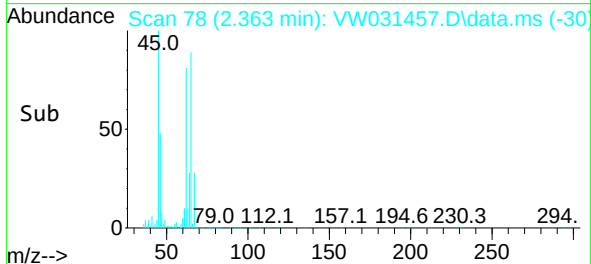
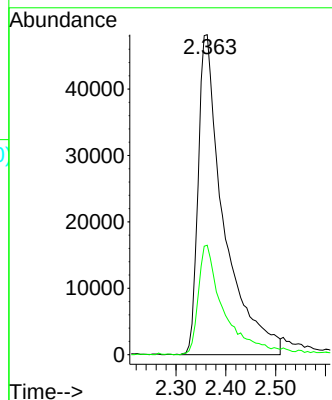
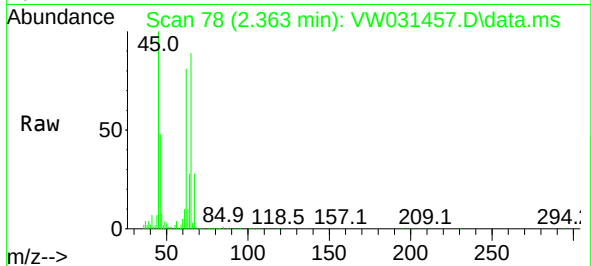




#5  
 Vinyl chloride  
 Concen: 12.662 ug/L  
 RT: 2.363 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: VW031457.D  
 Acq: 21 Dec 2024 03:51

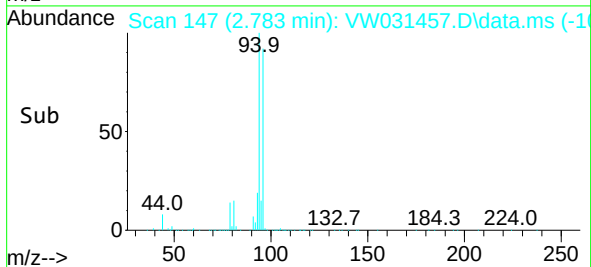
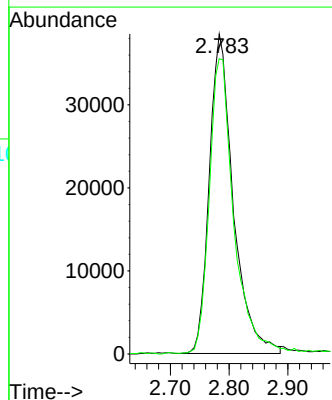
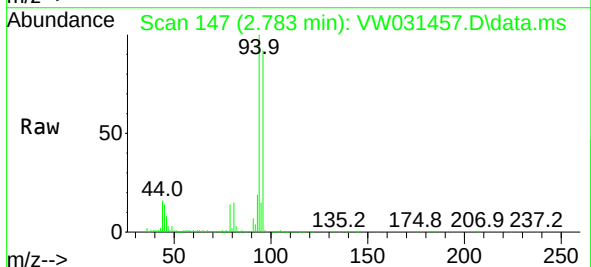
Instrument :  
 MSVOA\_W  
 ClientSampleId :

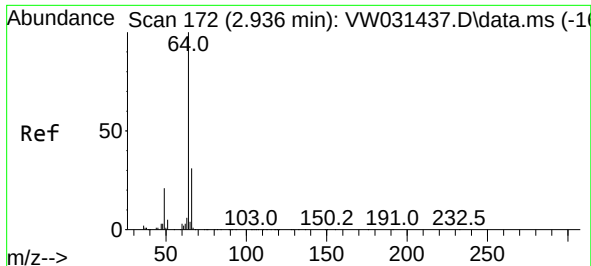
Tgt Ion: 62 Resp: 171966  
 Ion Ratio Lower Upper  
 62 100  
 64 34.2 24.1 44.8



#6  
 Bromomethane  
 Concen: 13.080 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. -0.012 min  
 Lab File: VW031457.D  
 Acq: 21 Dec 2024 03:51

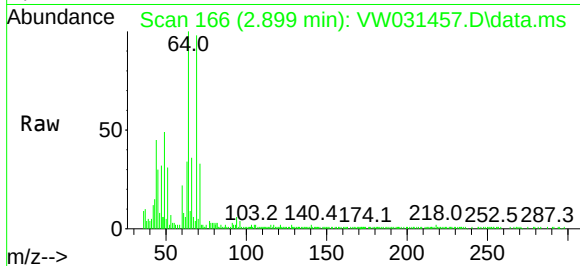
Tgt Ion: 94 Resp: 109215  
 Ion Ratio Lower Upper  
 94 100  
 96 92.2 65.6 121.8



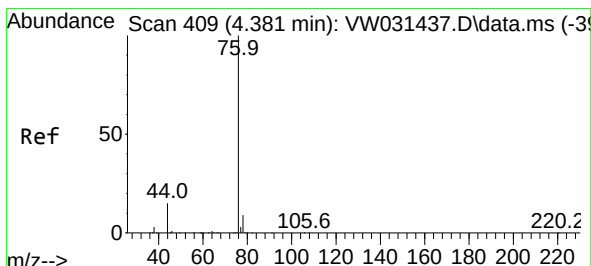
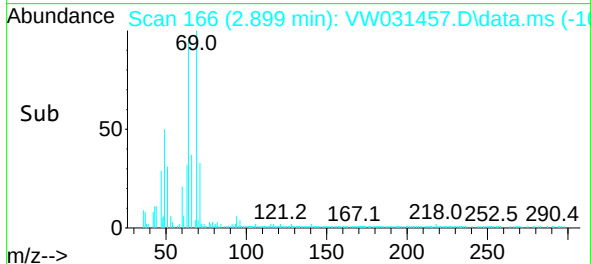
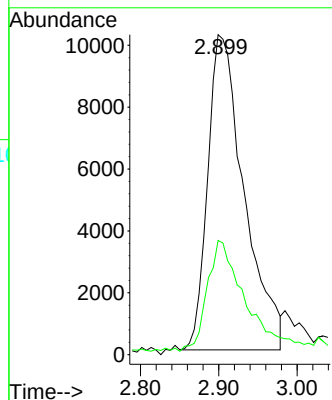


#8  
Chloroethane  
Concen: 4.080 ug/L  
RT: 2.899 min Scan# 1  
Delta R.T. -0.031 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

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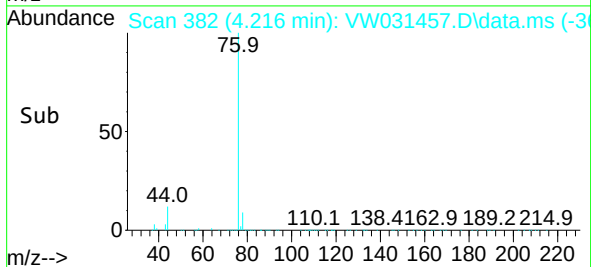
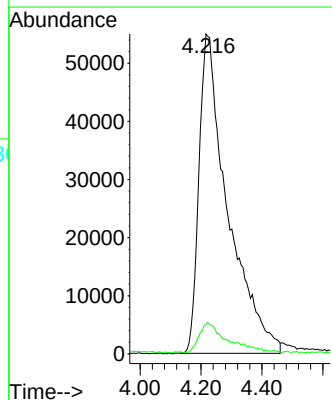
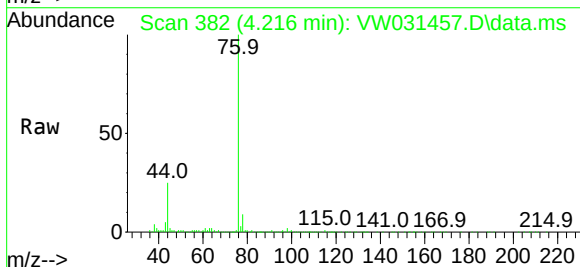


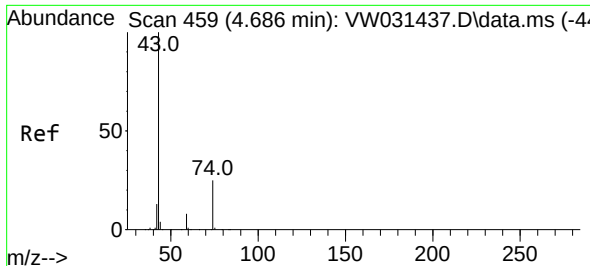
Tgt Ion: 64 Resp: 32956  
Ion Ratio Lower Upper  
64 100  
66 35.7 22.7 42.3



#14  
Carbon disulfide  
Concen: 9.353 ug/L  
RT: 4.216 min Scan# 382  
Delta R.T. -0.171 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Tgt Ion: 76 Resp: 360942  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.3 10.9

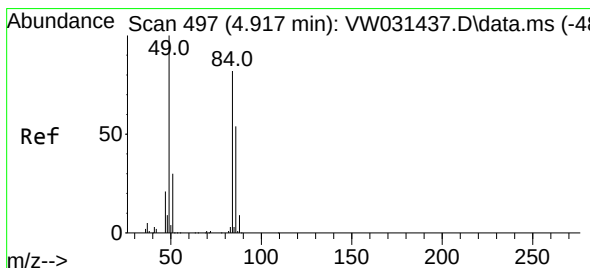
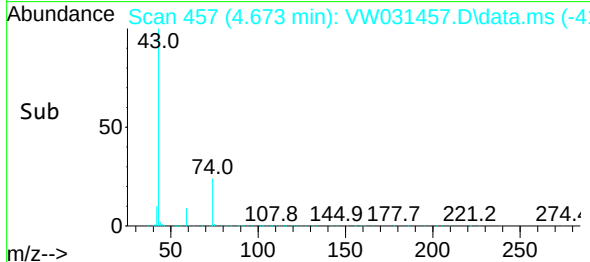
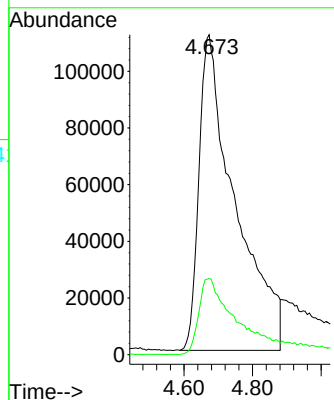
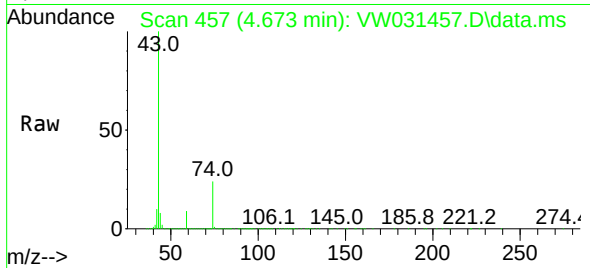




#15  
Methyl Acetate  
Concen: 188.473 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. -0.024 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

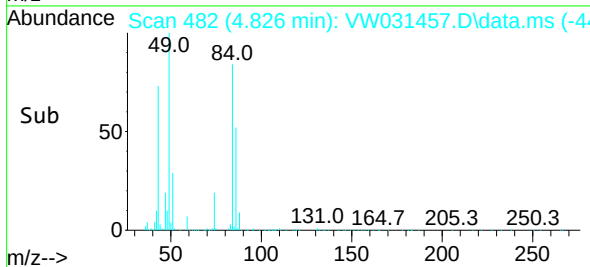
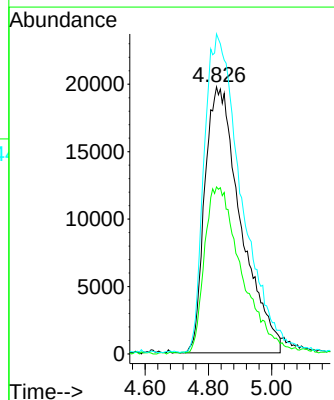
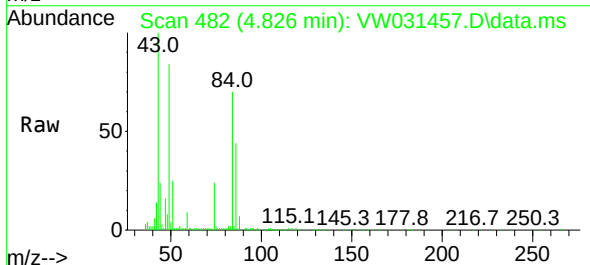
Instrument :  
MSVOA\_W  
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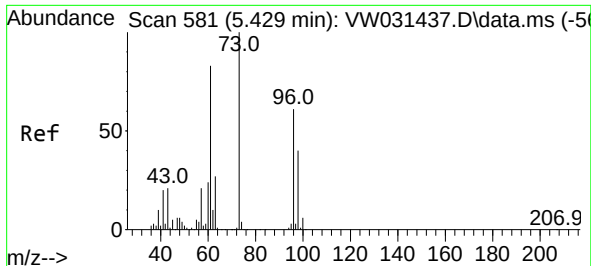
Tgt Ion: 43 Resp: 815380  
Ion Ratio Lower Upper  
43 100  
74 21.7 18.9 28.3



#16  
Methylene chloride  
Concen: 12.823 ug/L  
RT: 4.826 min Scan# 482  
Delta R.T. -0.092 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Tgt Ion: 84 Resp: 155738  
Ion Ratio Lower Upper  
84 100  
86 62.6 44.7 82.9  
49 119.8 88.3 164.1





#17

trans-1,2-Dichloroethene

Concen: 9.339 ug/L

RT: 5.307 min Scan# 581

Delta R.T. -0.116 min

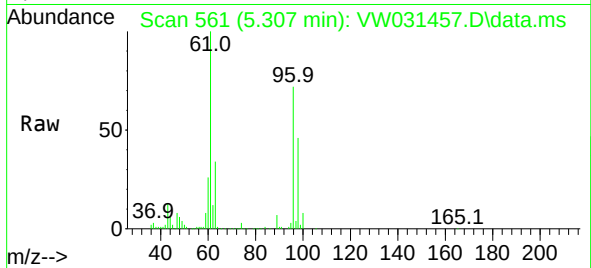
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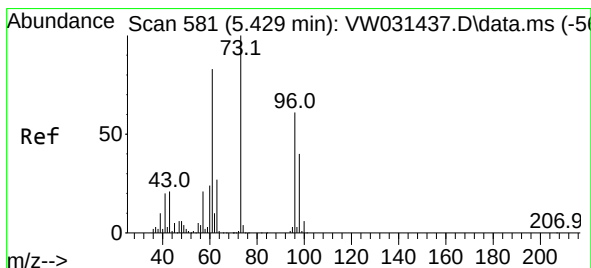
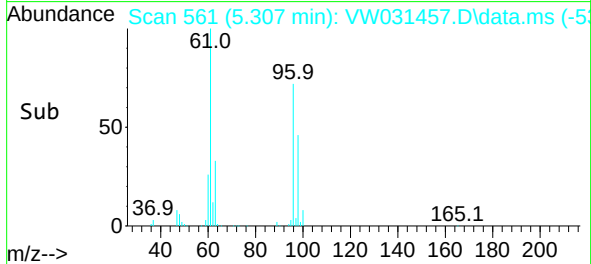
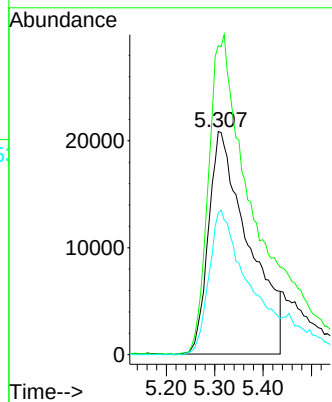
Tgt Ion: 96 Resp: 119116

Ion Ratio Lower Upper

96 100

61 138.4 100.7 187.1

98 63.4 43.8 81.3



#18

Methyl tert-butyl Ether

Concen: 6.256 ug/L

RT: 5.435 min Scan# 582

Delta R.T. 0.006 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

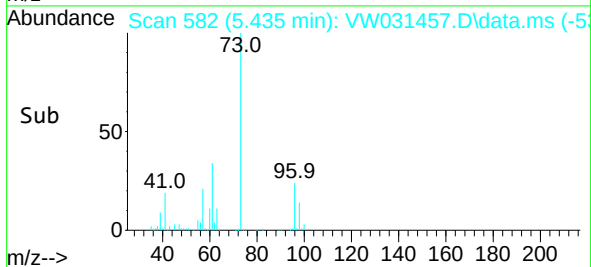
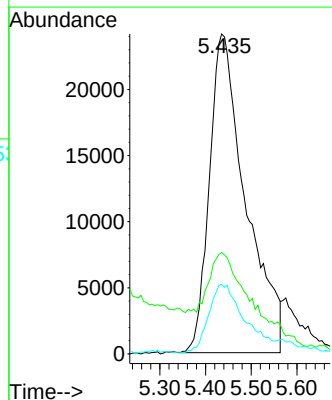
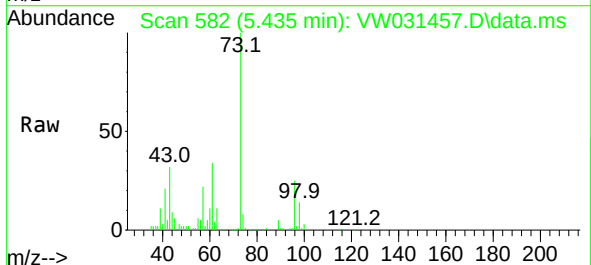
Tgt Ion: 73 Resp: 133401

Ion Ratio Lower Upper

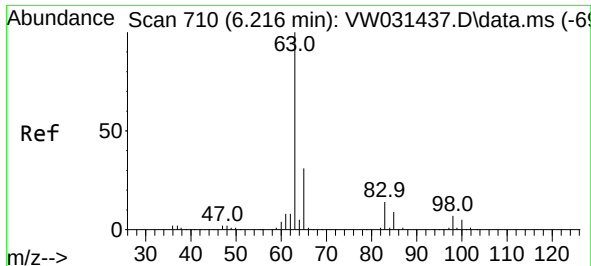
73 100

43 19.9 17.9 26.9

57 9.6 17.9 26.9#



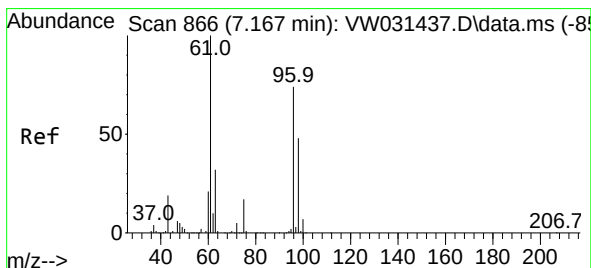
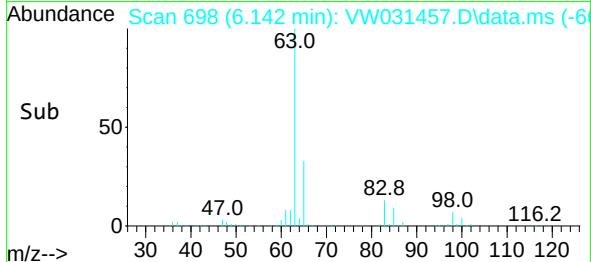
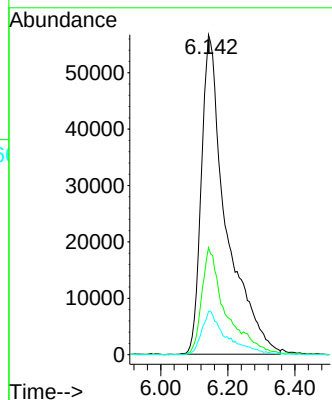
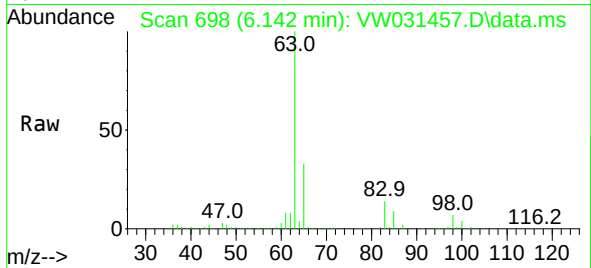




#19  
1,1-Dichloroethane  
Concen: 12.156 ug/L  
RT: 6.142 min Scan# 61  
Delta R.T. -0.073 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

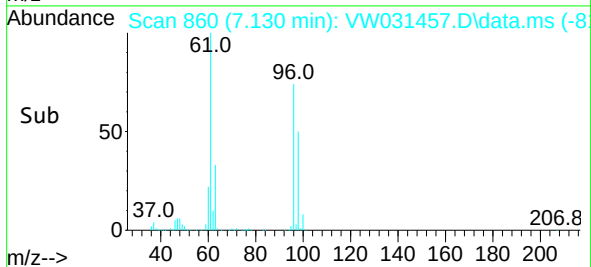
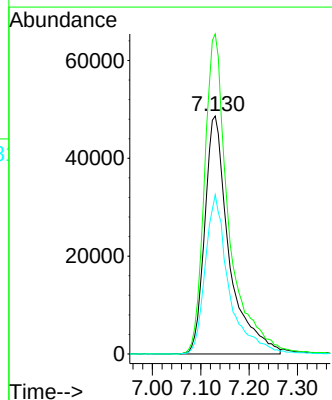
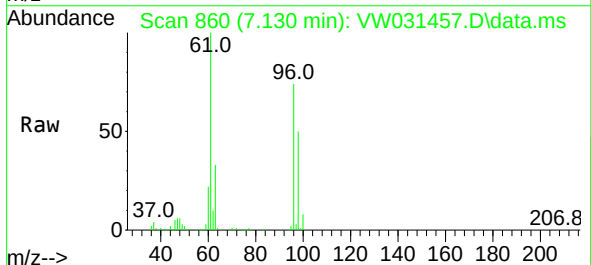
Instrument :  
MSVOA\_W  
ClientSampleId :

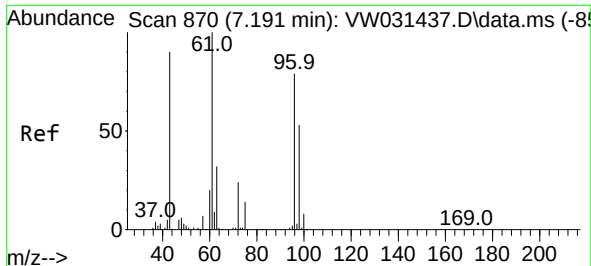
Tgt Ion: 63 Resp: 289742  
Ion Ratio Lower Upper  
63 100  
65 33.5 21.9 40.7  
83 13.5 9.3 17.3



#20  
cis-1,2-Dichloroethene  
Concen: 12.342 ug/L  
RT: 7.130 min Scan# 860  
Delta R.T. -0.043 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Tgt Ion: 96 Resp: 170321  
Ion Ratio Lower Upper  
96 100  
61 134.5 92.2 171.2  
98 66.9 43.7 81.1





#22

2-Butanone

Concen: 2.943 ug/L

RT: 7.240 min Scan# 81

Delta R.T. 0.055 min

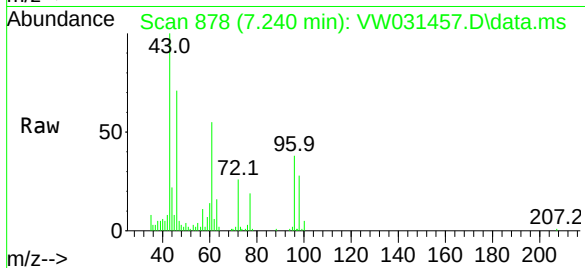
Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

ClientSampleId :

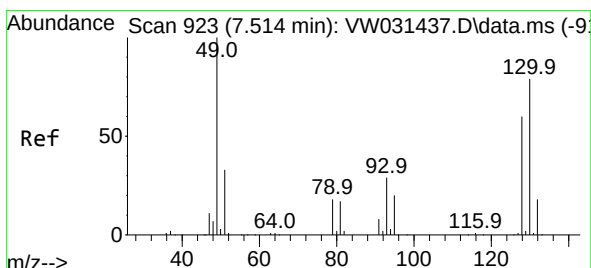
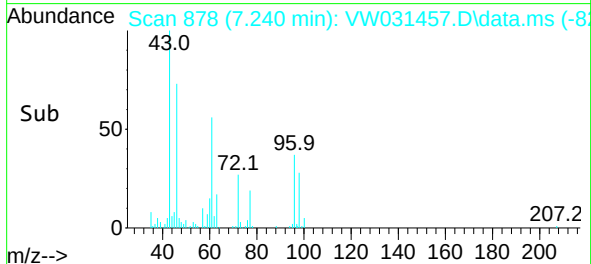
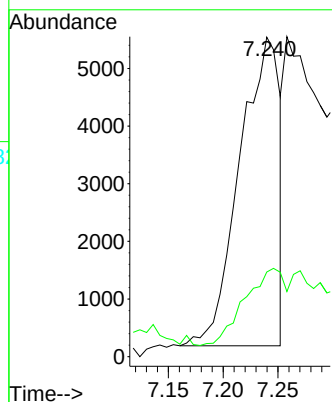


Tgt Ion: 43 Resp: 13583

Ion Ratio Lower Upper

43 100

72 25.2 13.3 39.8



#23

Bromochloromethane

Concen: 12.060 ug/L

RT: 7.484 min Scan# 918

Delta R.T. -0.031 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Tgt Ion: 128 Resp: 66378

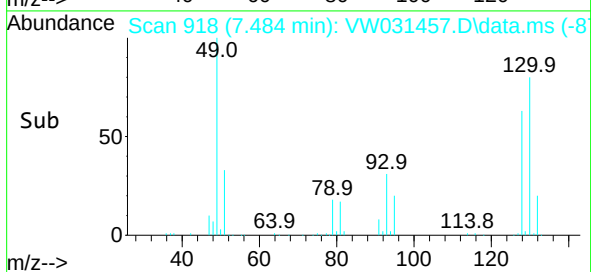
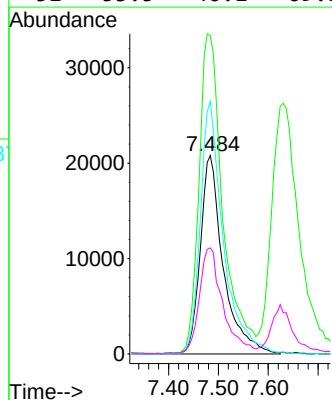
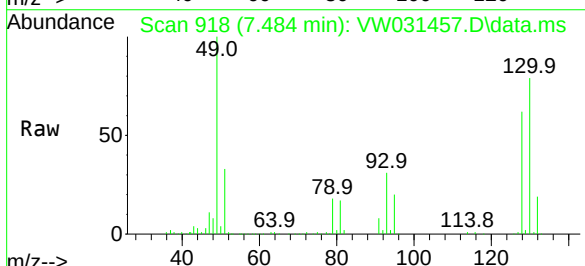
Ion Ratio Lower Upper

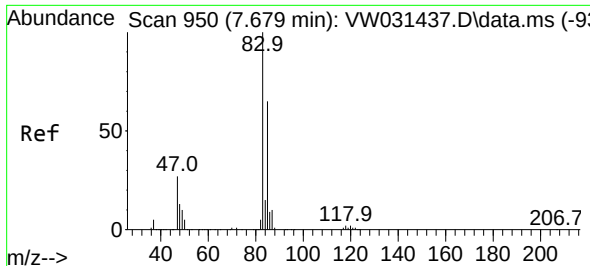
128 100

49 160.6 123.7 229.7

130 127.4 90.3 167.7

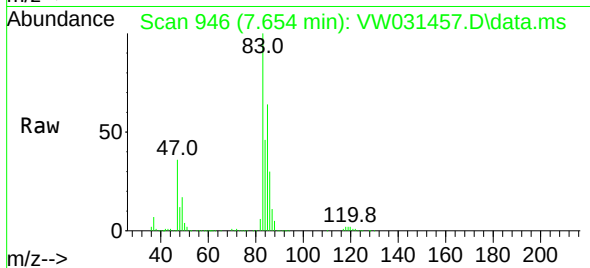
51 53.5 46.1 69.1



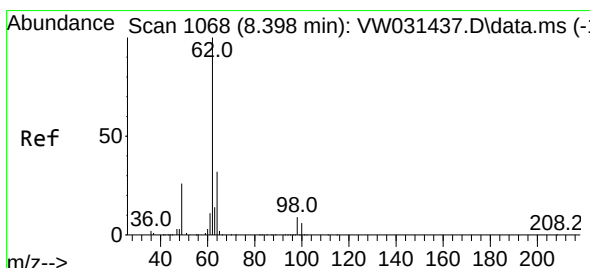
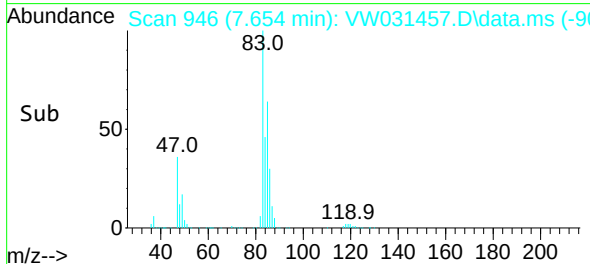
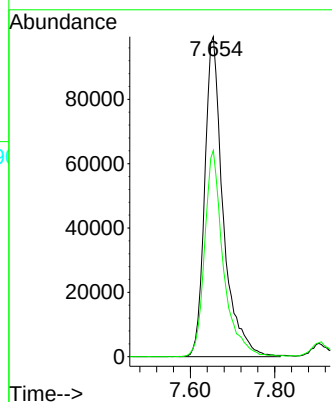


#25  
Chloroform  
Concen: 12.839 ug/L  
RT: 7.654 min Scan# 94  
Delta R.T. -0.018 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :

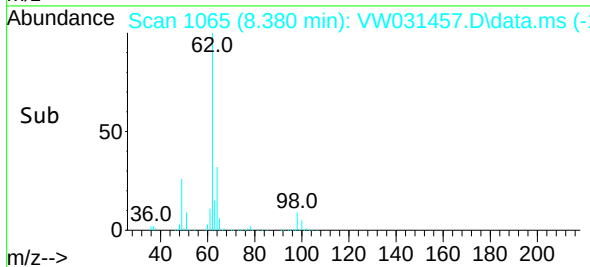
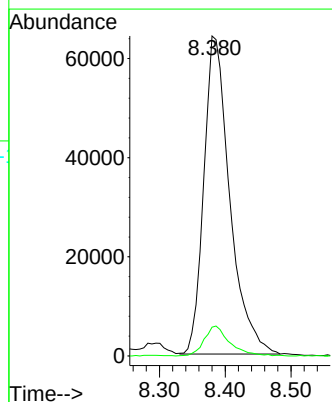
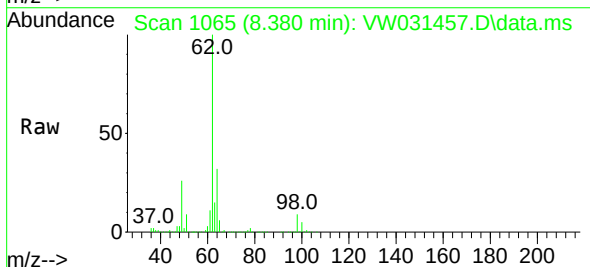


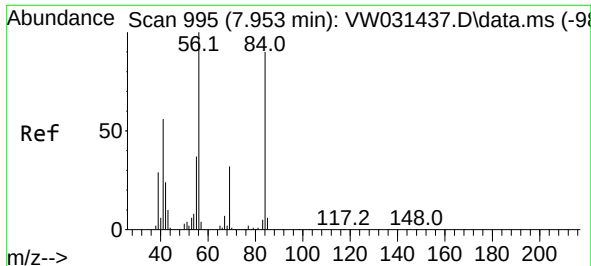
Tgt Ion: 83 Resp: 302035  
Ion Ratio Lower Upper  
83 100  
85 64.5 46.1 85.5



#27  
1,2-Dichloroethane  
Concen: 11.922 ug/L  
RT: 8.380 min Scan# 1065  
Delta R.T. -0.018 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Tgt Ion: 62 Resp: 176313  
Ion Ratio Lower Upper  
62 100  
98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 11.170 ug/L

RT: 7.904 min Scan# 91

Delta R.T. -0.049 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

ClientSampleId :

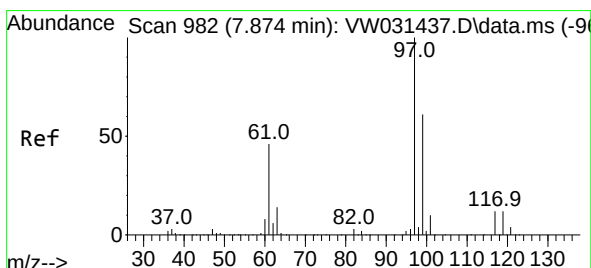
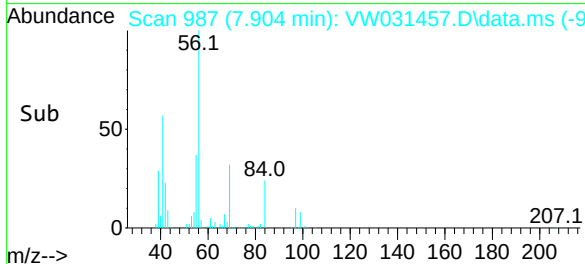
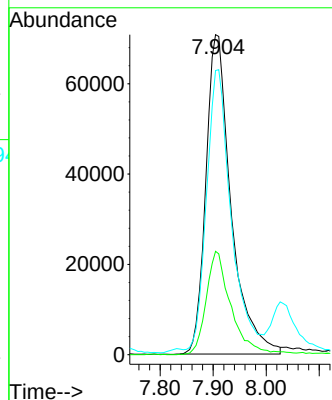
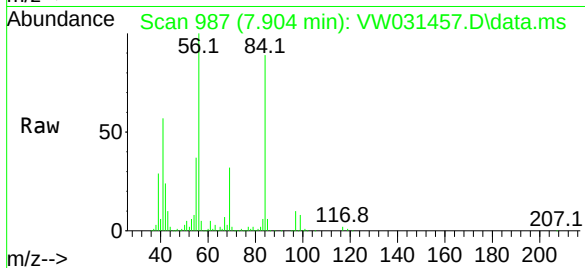
Tgt Ion: 56 Resp: 234018

Ion Ratio Lower Upper

56 100

69 31.3 25.0 37.4

84 87.2 68.9 103.3



#30

1,1,1-Trichloroethane

Concen: 10.807 ug/L

RT: 7.837 min Scan# 976

Delta R.T. -0.031 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

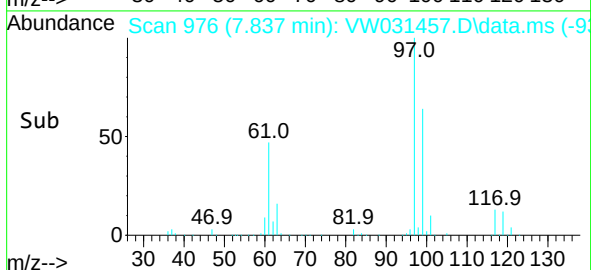
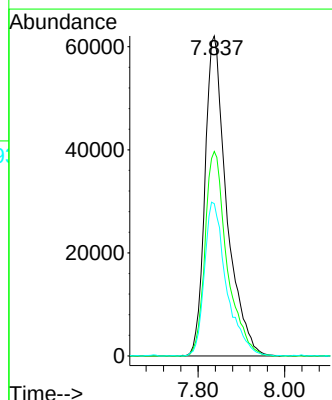
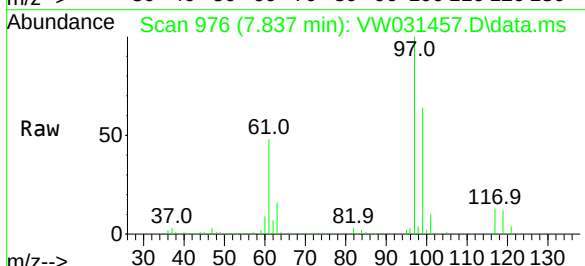
Tgt Ion: 97 Resp: 215796

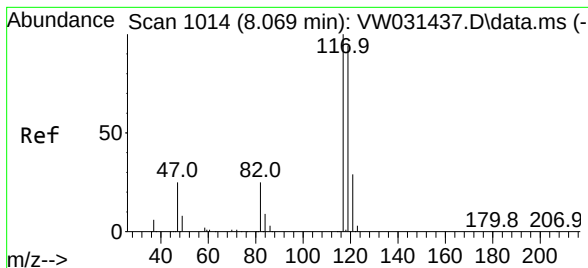
Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

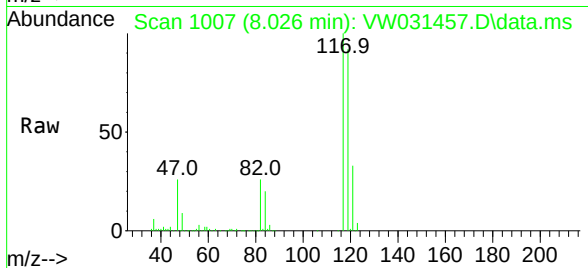
61 48.9 36.3 54.5



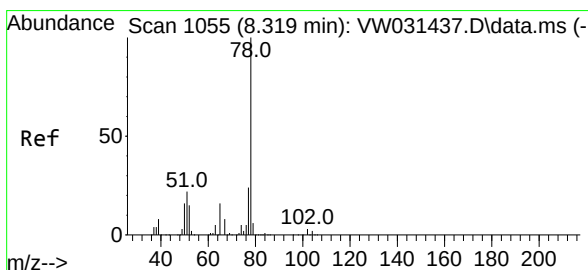
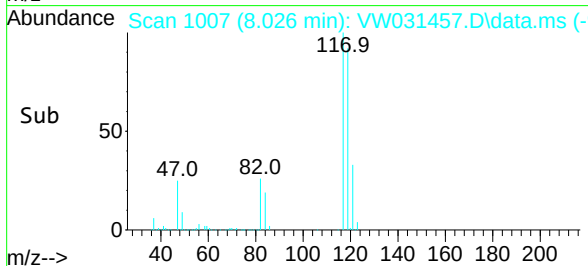
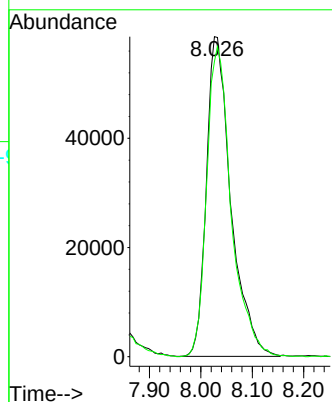


#31  
Carbon tetrachloride  
Concen: 10.940 ug/L  
RT: 8.026 min Scan# 1014  
Delta R.T. -0.043 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :

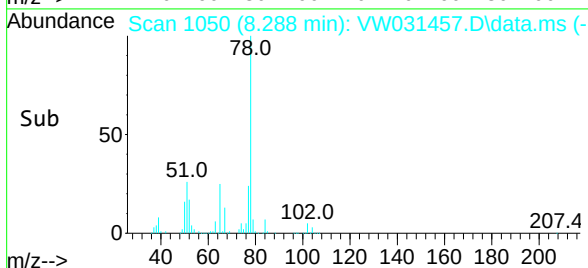
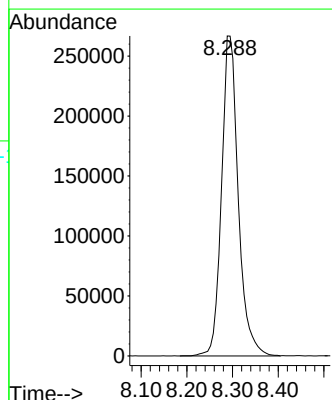
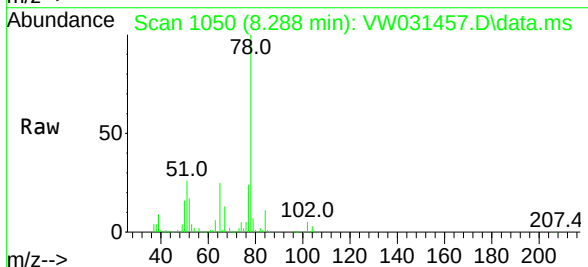


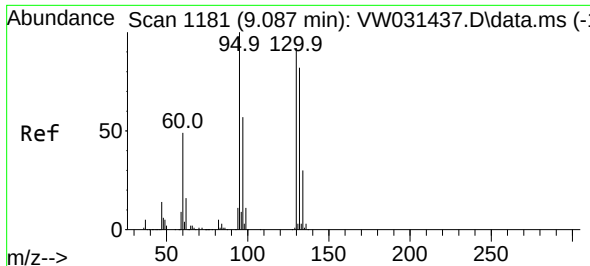
Tgt Ion:117 Resp: 194607  
Ion Ratio Lower Upper  
117 100  
119 97.2 76.0 114.0



#33  
Benzene  
Concen: 14.206 ug/L  
RT: 8.288 min Scan# 1050  
Delta R.T. -0.031 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

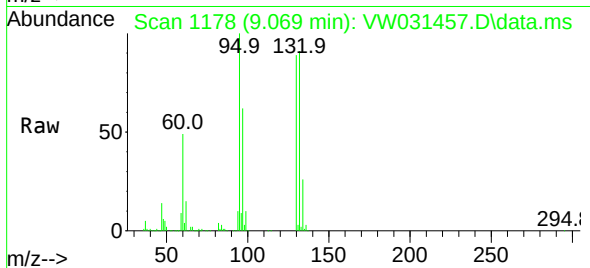
Tgt Ion: 78 Resp: 678183



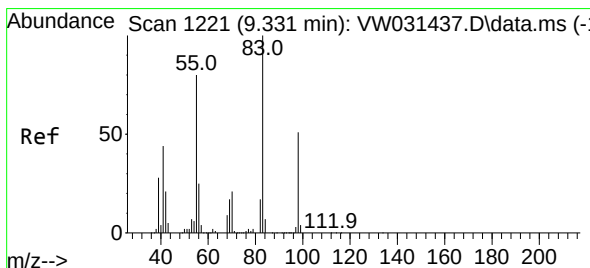
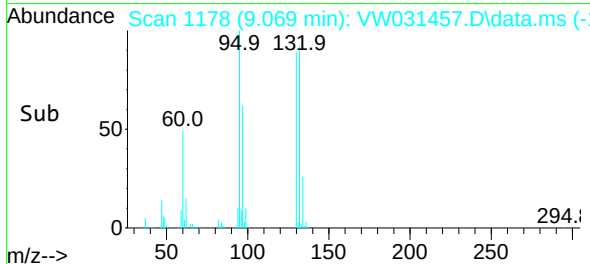
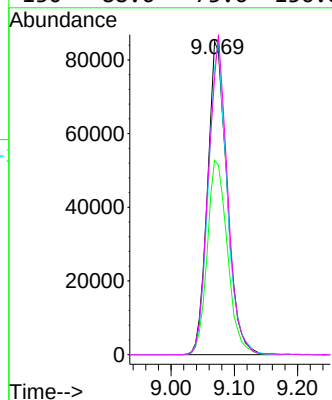


#34  
 Trichloroethene  
 Concen: 13.506 ug/L  
 RT: 9.069 min Scan# 1178  
 Delta R.T. -0.018 min  
 Lab File: VW031457.D  
 Acq: 21 Dec 2024 03:51

Instrument :  
 MSVOA\_W  
 ClientSampleId :

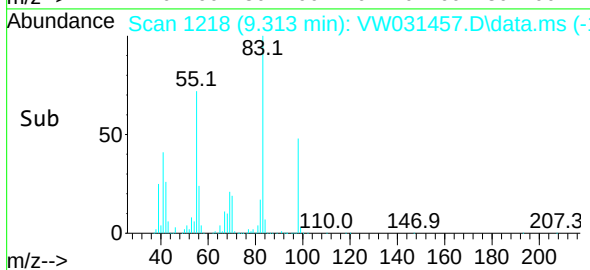
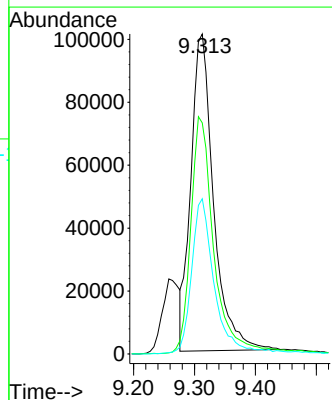
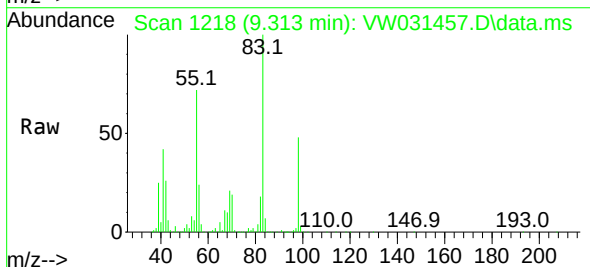


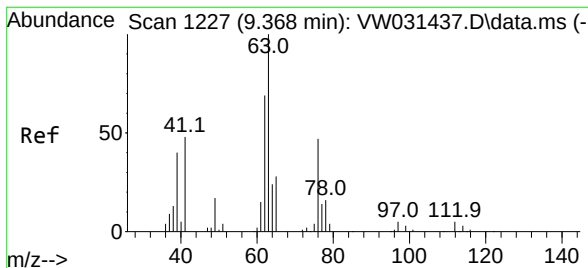
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 182043 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 62.1  | 46.5  | 86.3   |
| 132      | 91.4  | 70.3  | 130.5  |
| 130      | 88.6  | 73.6  | 136.8  |



#35  
 Methylcyclohexane  
 Concen: 11.104 ug/L  
 RT: 9.313 min Scan# 1218  
 Delta R.T. -0.024 min  
 Lab File: VW031457.D  
 Acq: 21 Dec 2024 03:51

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 260624 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 55       | 76.2  | 62.6  | 93.8   |
| 98       | 48.2  | 39.8  | 59.6   |





#37

1,2-Dichloropropane

Concen: 13.426 ug/L

RT: 9.355 min Scan# 11

Delta R.T. -0.012 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

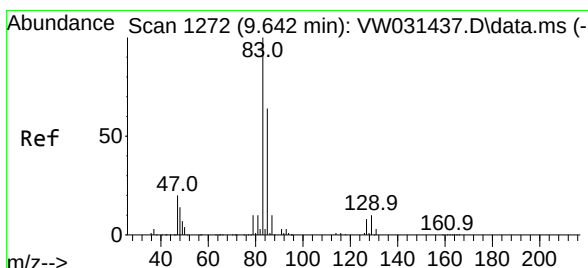
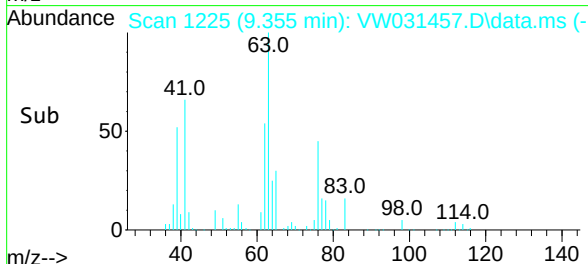
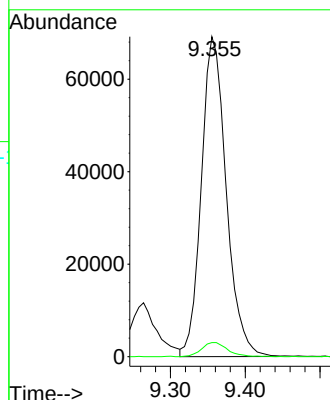
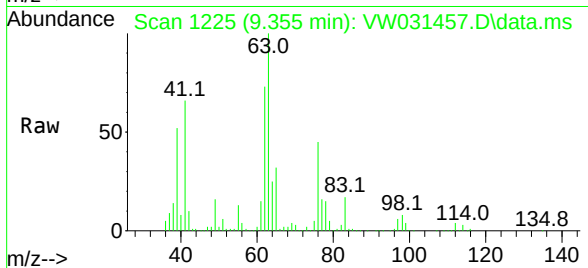
ClientSampleId :

Tgt Ion: 63 Resp: 159900

Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.8



#38

Bromodichloromethane

Concen: 11.214 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

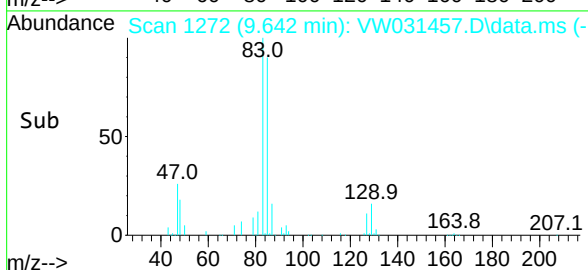
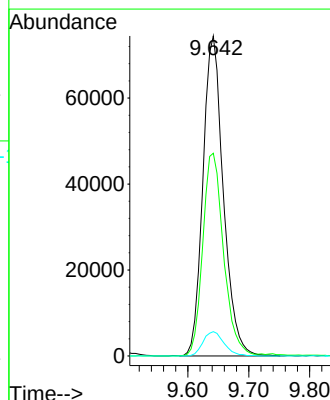
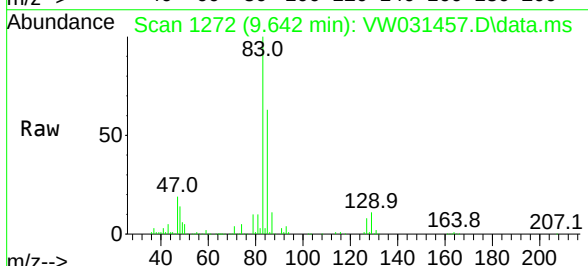
Tgt Ion: 83 Resp: 173626

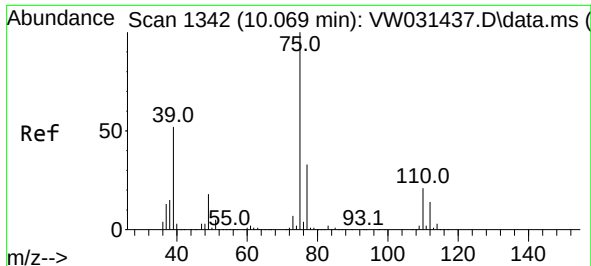
Ion Ratio Lower Upper

83 100

85 63.3 46.5 86.5

127 7.6 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 10.978 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

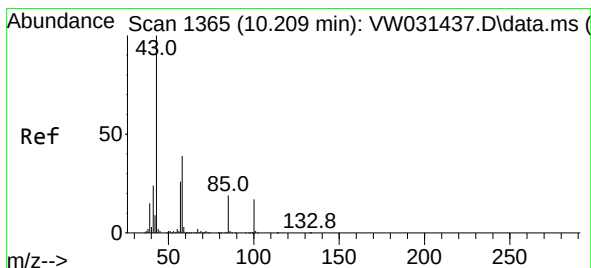
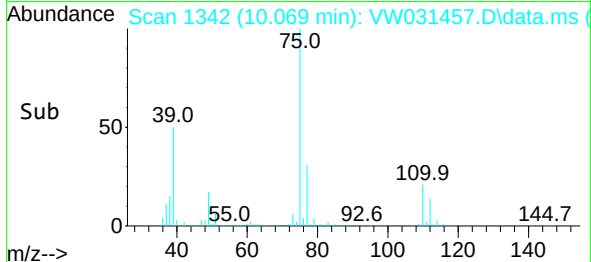
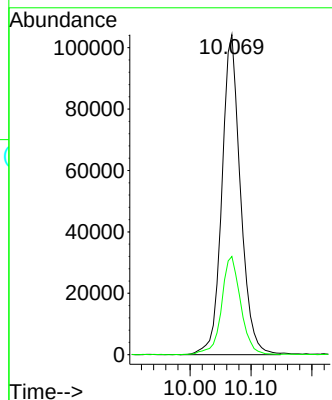
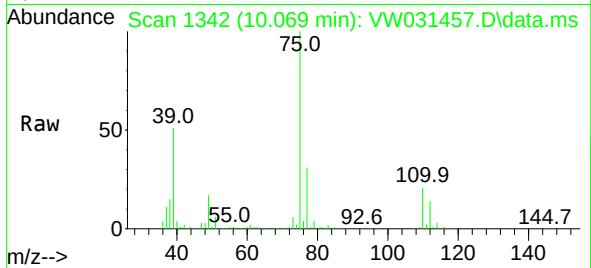
ClientSampleId :

Tgt Ion: 75 Resp: 220943

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 18.398 ug/L

RT: 10.233 min Scan# 1369

Delta R.T. 0.024 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

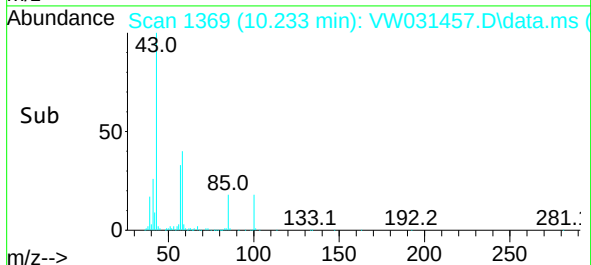
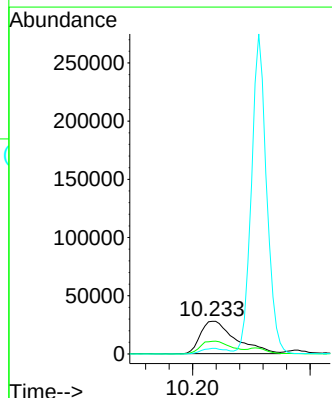
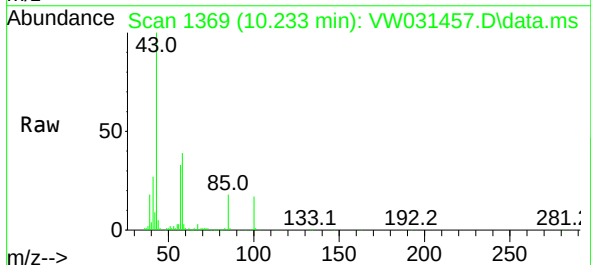
Tgt Ion: 43 Resp: 116250

Ion Ratio Lower Upper

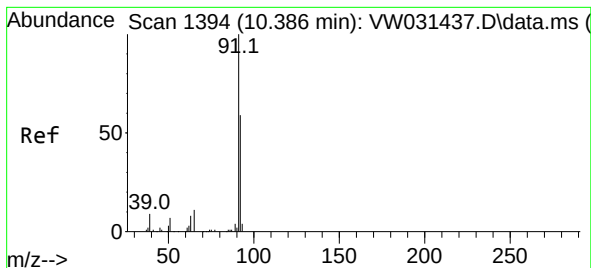
43 100

58 34.5 31.1 46.7

100 12.6 13.0 19.6#







#42

Toluene

Concen: 14.070 ug/L

RT: 10.379 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

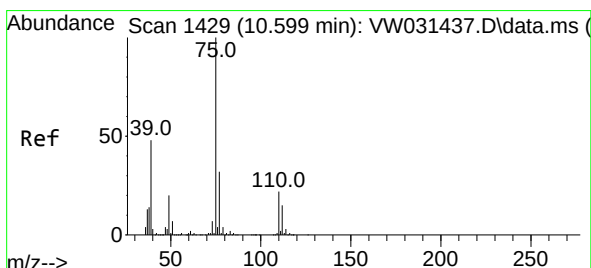
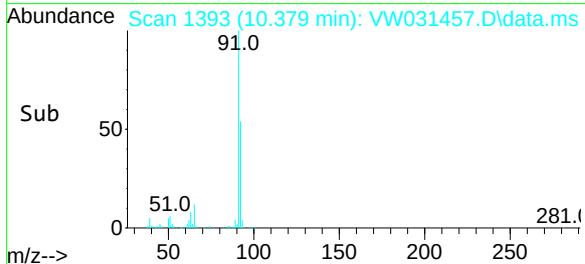
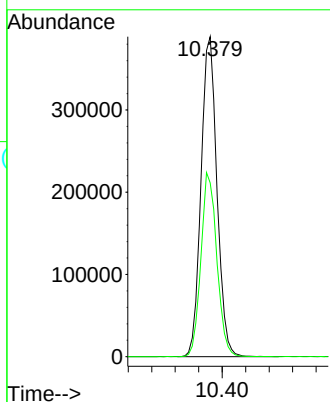
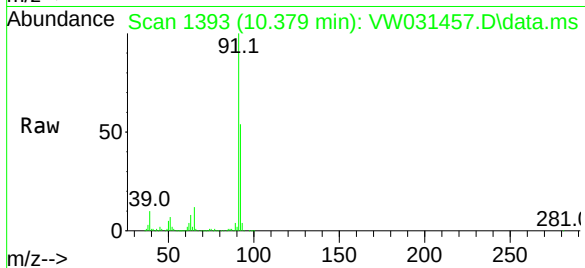
ClientSampleId :

Tgt Ion: 91 Resp: 731308

Ion Ratio Lower Upper

91 100

92 54.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 9.637 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW031457.D

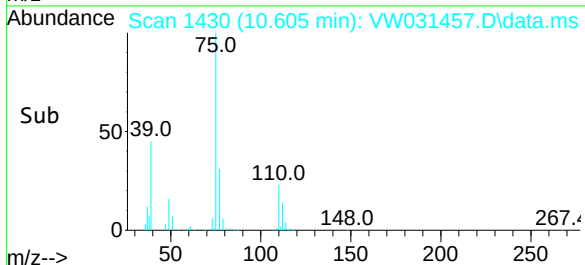
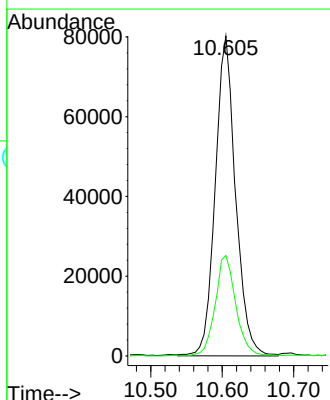
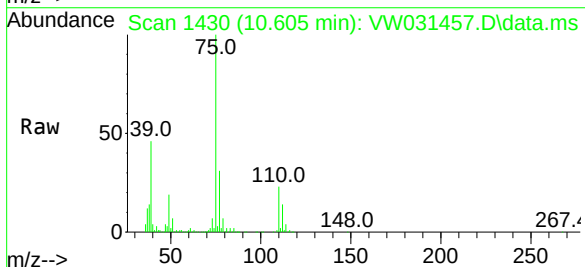
Acq: 21 Dec 2024 03:51

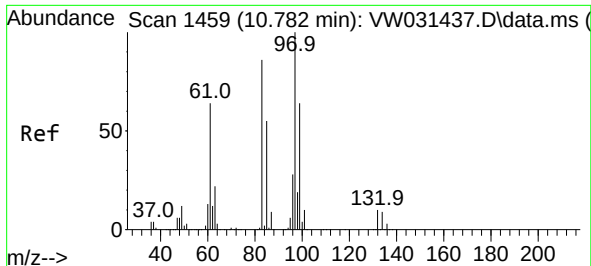
Tgt Ion: 75 Resp: 158362

Ion Ratio Lower Upper

75 100

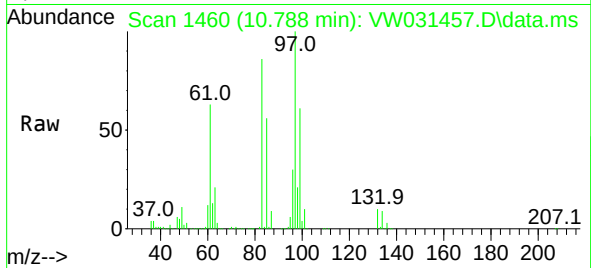
77 31.4 21.2 39.4



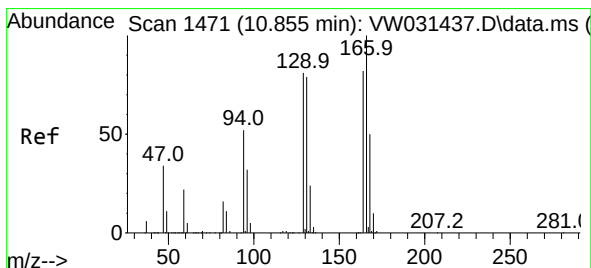
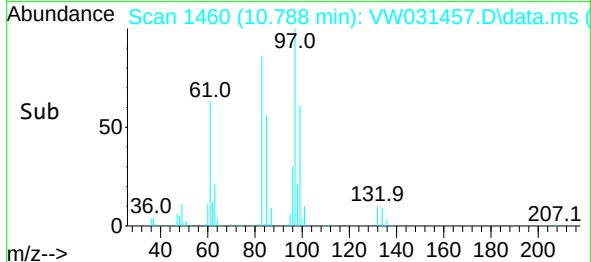
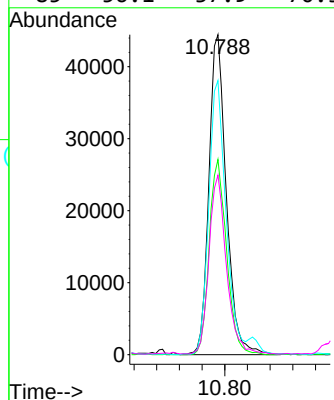


#45  
1,1,2-Trichloroethane  
Concen: 12.000 ug/L  
RT: 10.788 min Scan# 1459  
Delta R.T. 0.006 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :

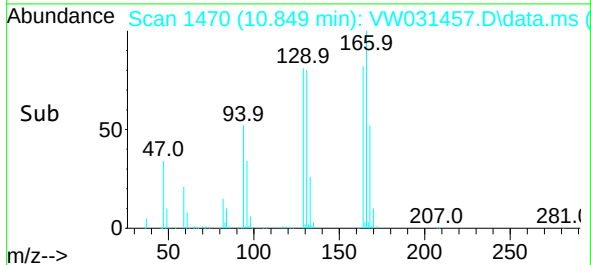
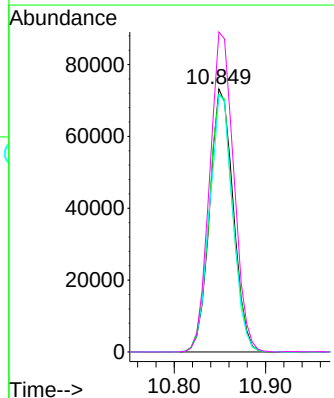
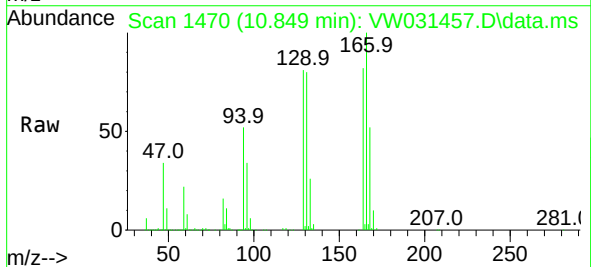


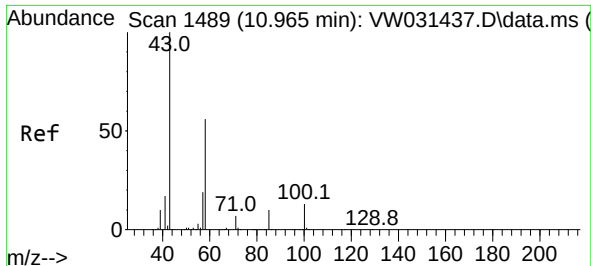
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 95060 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 61.0     | 43.0 80.0   |
| 83 85.7     | 56.4 104.7  |
| 85 56.1     | 37.9 70.3   |



#46  
Tetrachloroethene  
Concen: 13.283 ug/L  
RT: 10.849 min Scan# 1470  
Delta R.T. -0.012 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

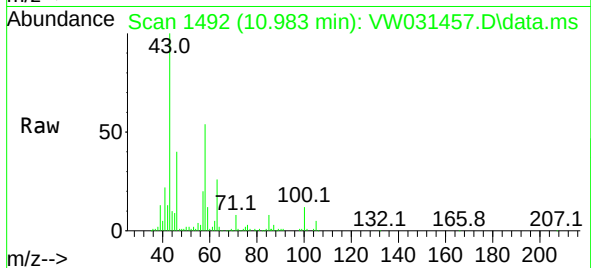
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:164 | Resp: | 131140 |
| Ion | Ratio   | Lower | Upper  |
| 164 | 100     |       |        |
| 129 | 98.0    | 73.5  | 136.5  |
| 131 | 97.9    | 66.6  | 123.8  |
| 166 | 121.7   | 92.7  | 172.3  |



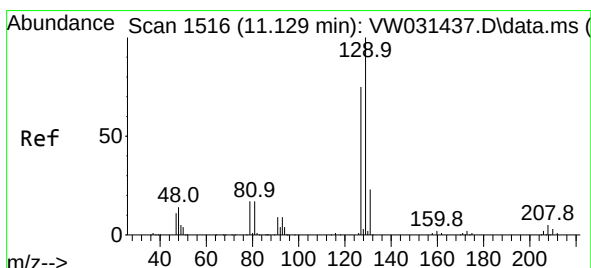
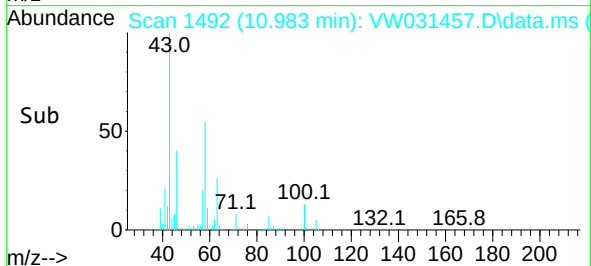
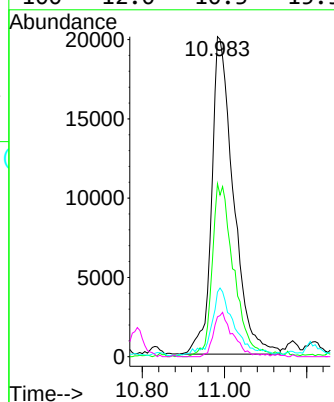


#48  
2-Hexanone  
Concen: 13.774 ug/L  
RT: 10.983 min Scan# 1489  
Delta R.T. 0.018 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :

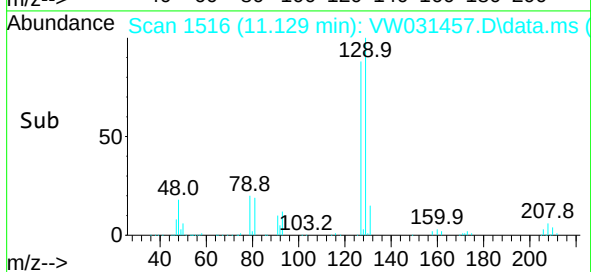
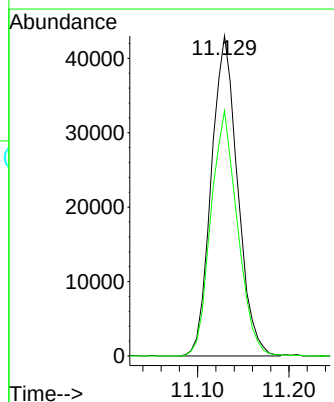
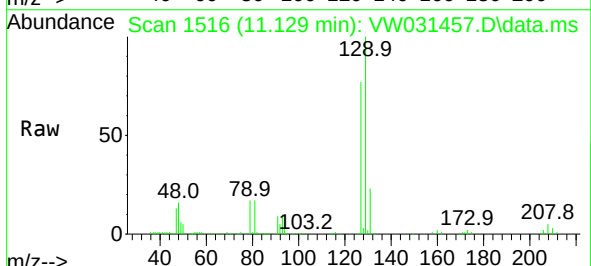


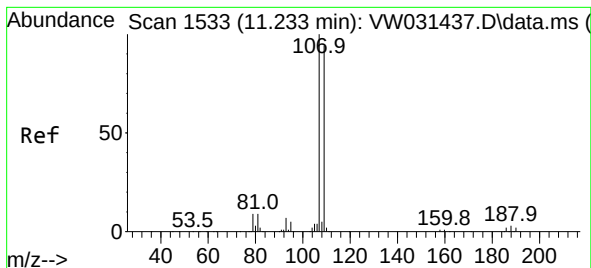
Tgt Ion: 43 Resp: 74019  
Ion Ratio Lower Upper  
43 100  
58 21.9 43.0 64.6#  
57 17.4 15.7 23.5  
100 12.0 10.3 15.5



#49  
Dibromochloromethane  
Concen: 9.169 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

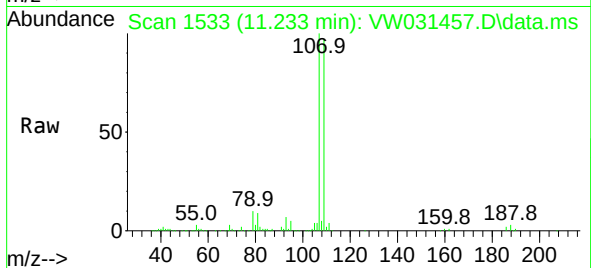
Tgt Ion: 129 Resp: 86093  
Ion Ratio Lower Upper  
129 100  
127 76.6 57.6 107.0



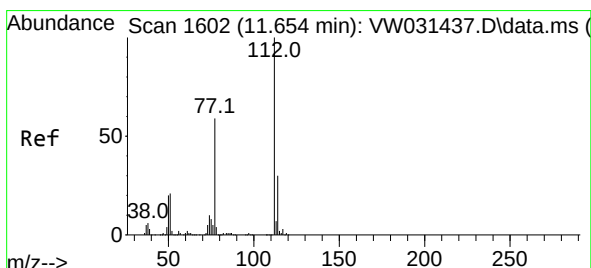
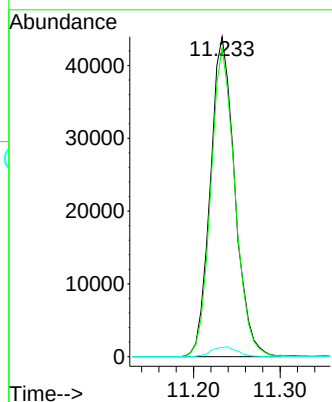
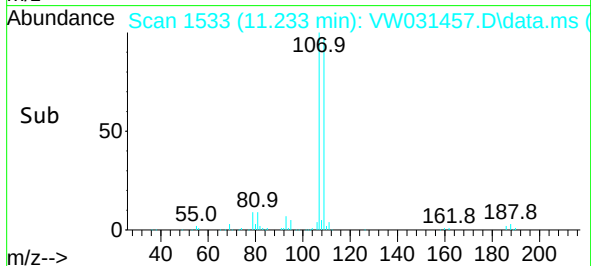


#50  
1,2-Dibromoethane  
Concen: 11.534 ug/L  
RT: 11.233 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Instrument :  
MSVOA\_W  
ClientSampleId :

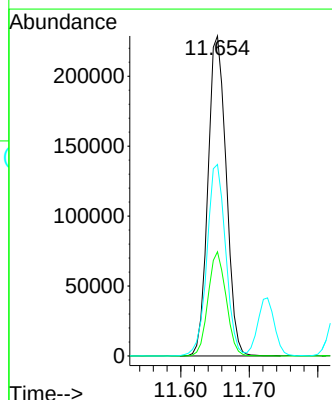
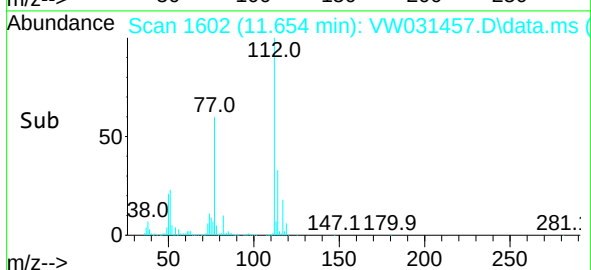
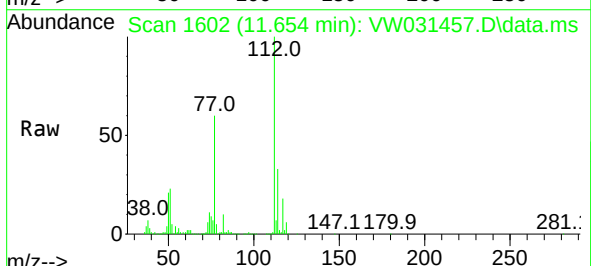


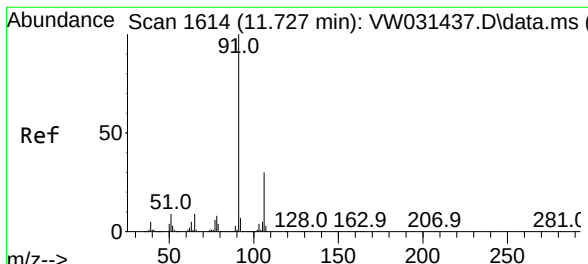
Tgt Ion:107 Resp: 86555  
Ion Ratio Lower Upper  
107 100  
109 96.5 63.2 117.4  
188 2.9 2.6 4.0



#51  
Chlorobenzene  
Concen: 13.008 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Tgt Ion:112 Resp: 423911  
Ion Ratio Lower Upper  
112 100  
114 32.5 22.7 42.3  
77 59.9 50.2 75.4

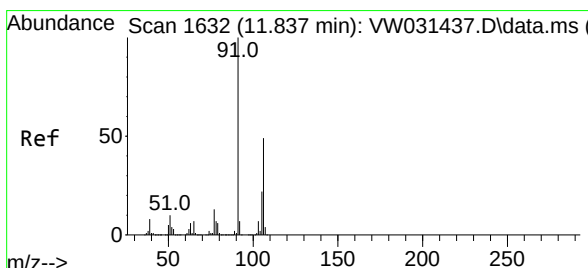
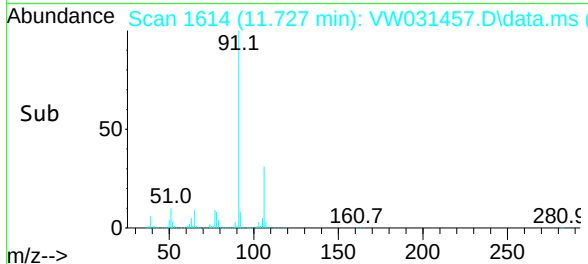
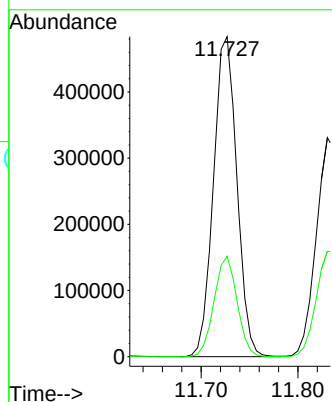
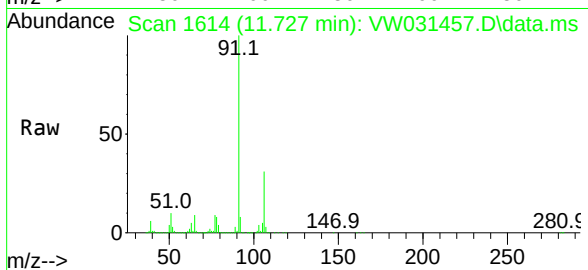




#52  
Ethylbenzene  
Concen: 13.486 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

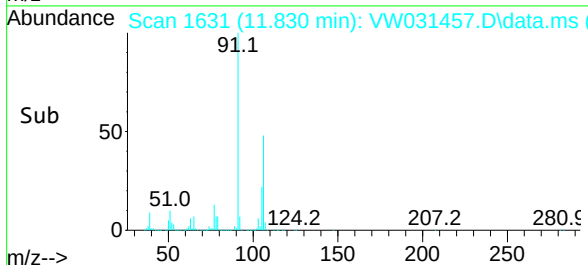
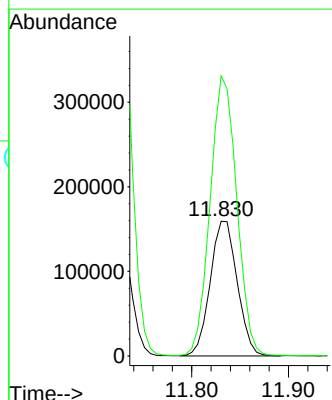
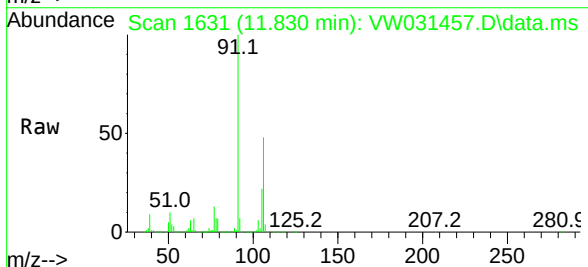
Instrument :  
MSVOA\_W  
ClientSampleId :

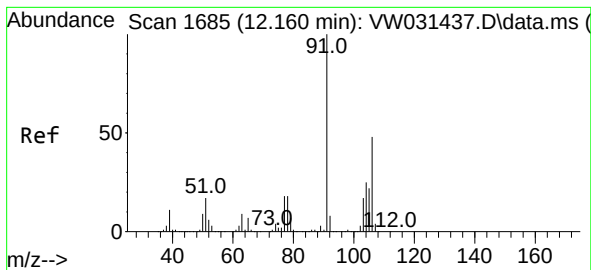
Tgt Ion: 91 Resp: 812422  
Ion Ratio Lower Upper  
91 100  
106 31.4 20.7 38.5



#53  
m,p-Xylene  
Concen: 13.487 ug/L  
RT: 11.830 min Scan# 1631  
Delta R.T. -0.006 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Tgt Ion: 106 Resp: 309297  
Ion Ratio Lower Upper  
106 100  
91 207.8 139.9 259.7

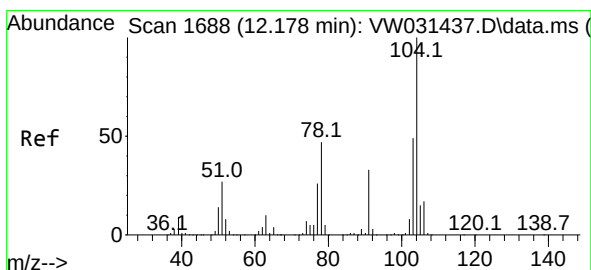
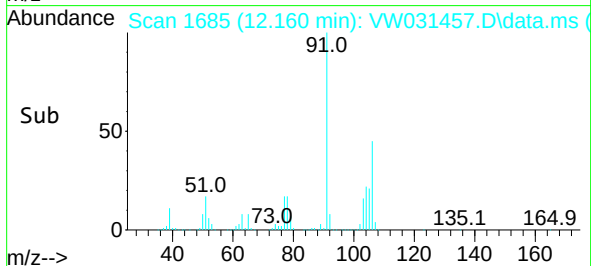
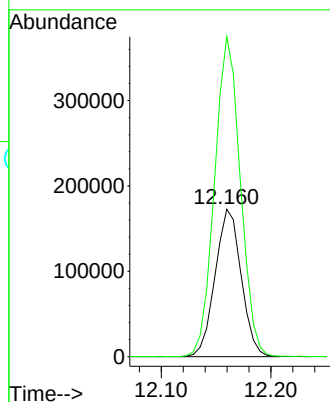
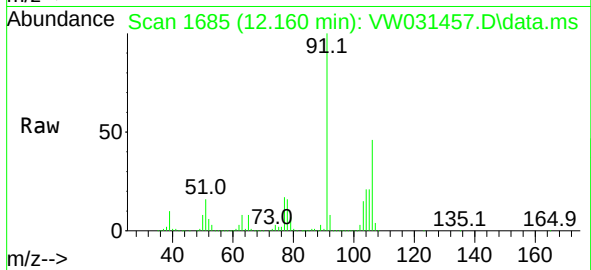




#54  
o-Xylene  
Concen: 13.193 ug/L  
RT: 12.160 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

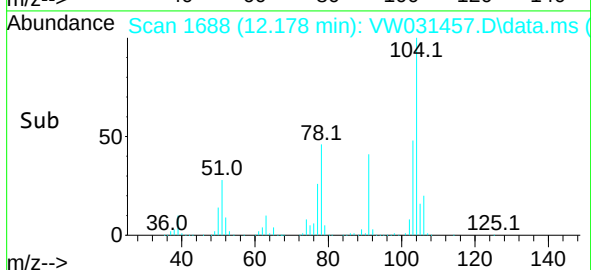
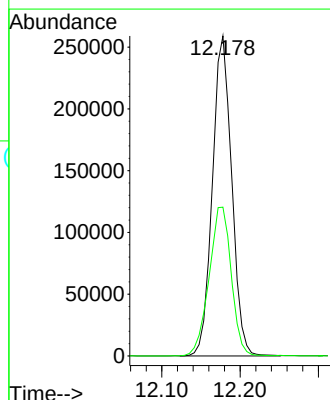
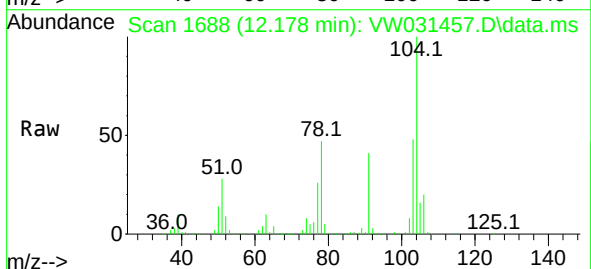
Instrument :  
MSVOA\_W  
ClientSampleId :

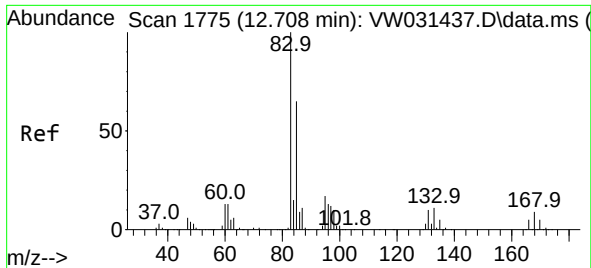
Tgt Ion:106 Resp: 285146  
Ion Ratio Lower Upper  
106 100  
91 216.9 153.1 284.3



#55  
Styrene  
Concen: 12.329 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Tgt Ion:104 Resp: 443234  
Ion Ratio Lower Upper  
104 100  
78 46.5 31.4 58.4





#57

1,1,2,2-Tetrachloroethane

Concen: 9.418 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

ClientSampleId :

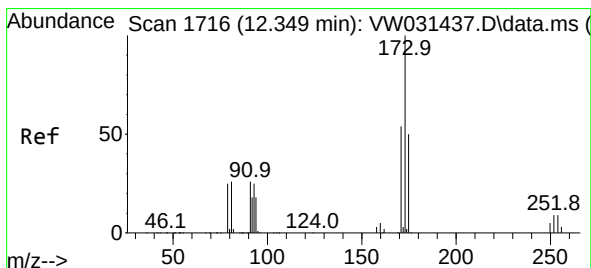
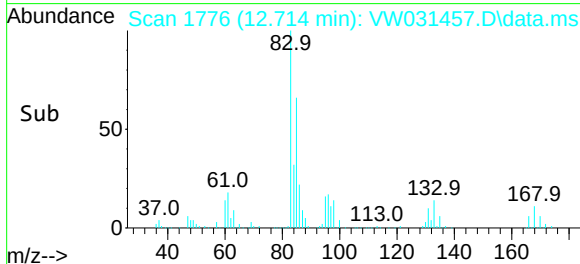
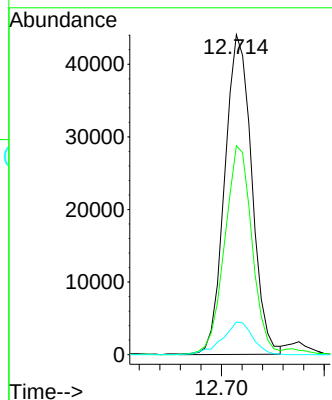
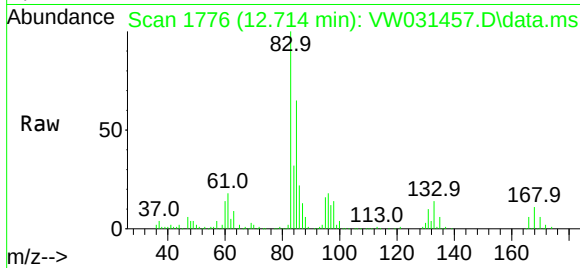
Tgt Ion: 83 Resp: 80425

Ion Ratio Lower Upper

83 100

85 65.3 44.1 81.9

131 10.2 7.9 11.9



#59

Bromoform

Concen: 7.937 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

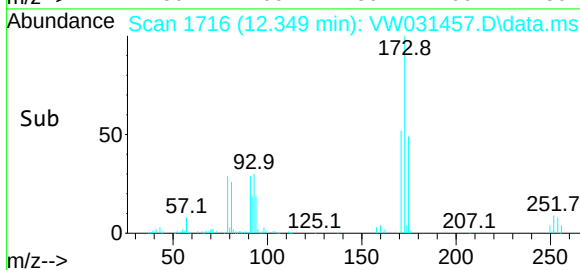
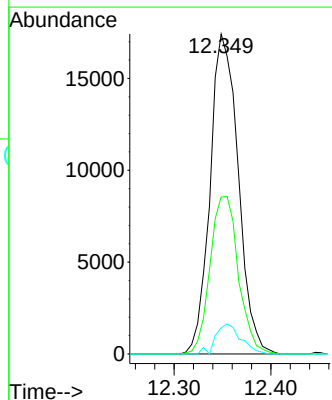
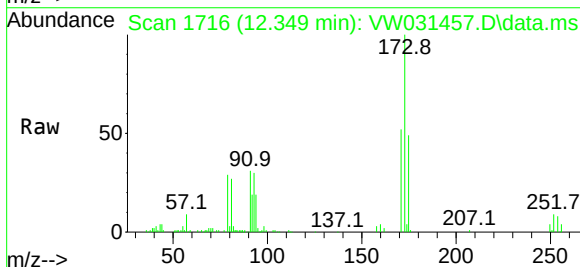
Tgt Ion:173 Resp: 35185

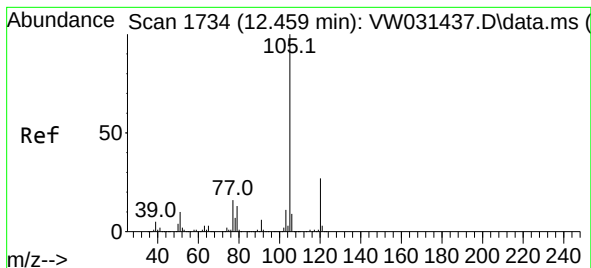
Ion Ratio Lower Upper

173 100

175 49.6 38.6 57.8

254 8.0 7.6 11.4





#60

Isopropylbenzene

Concen: 15.552 ug/L

RT: 12.458 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

ClientSampleId :

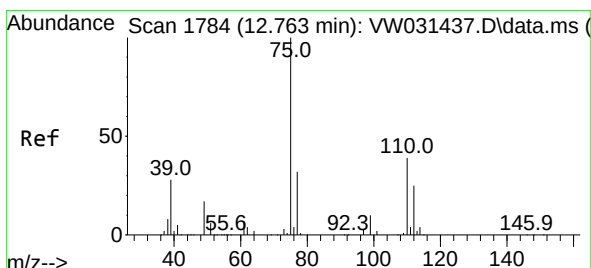
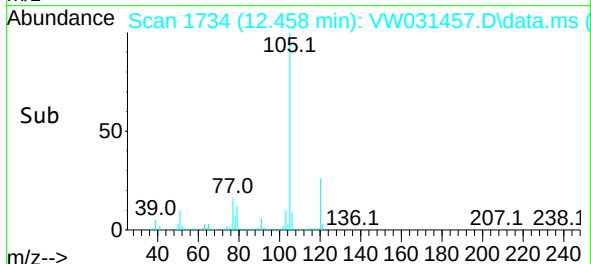
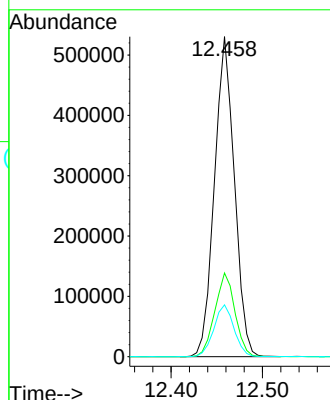
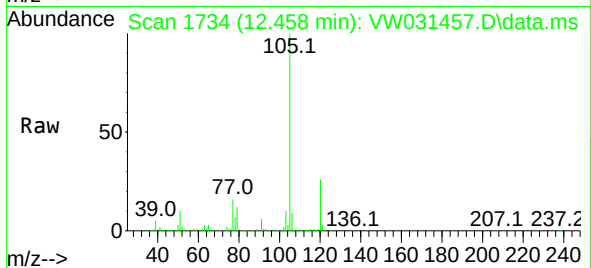
Tgt Ion:105 Resp: 803125

Ion Ratio Lower Upper

105 100

120 26.4 20.6 31.0

77 16.4 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 12.163 ug/L

RT: 12.769 min Scan# 1785

Delta R.T. 0.006 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

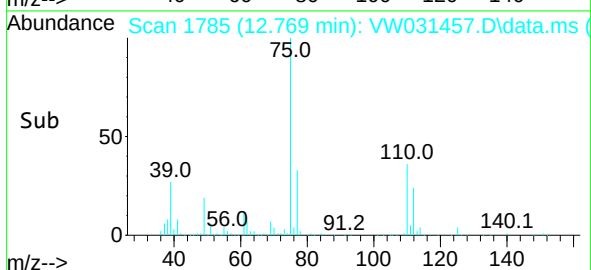
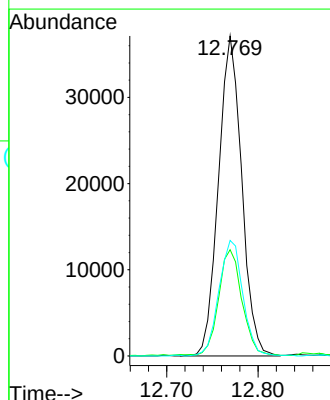
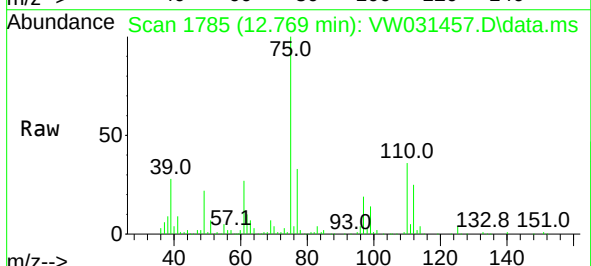
Tgt Ion: 75 Resp: 65682

Ion Ratio Lower Upper

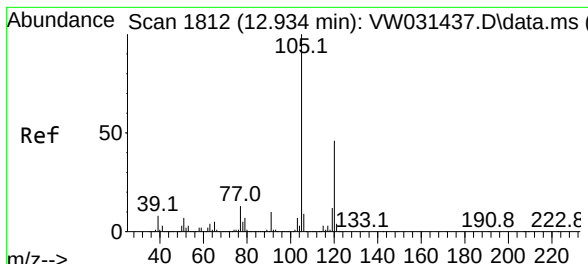
75 100

77 33.0 25.3 37.9

110 37.2 31.2 46.8



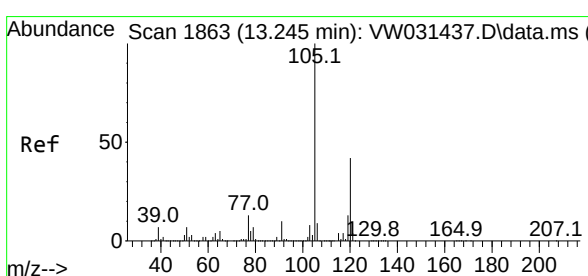
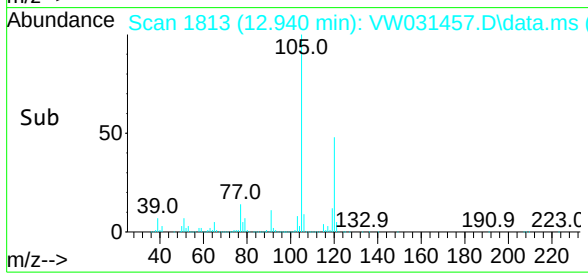
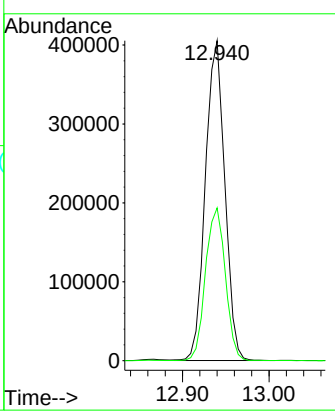
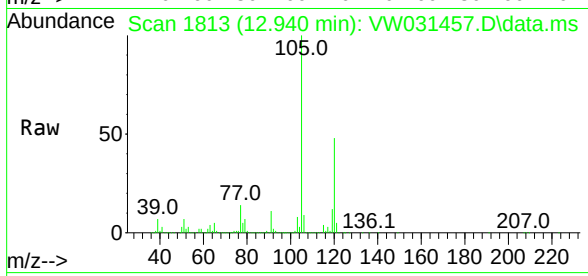




#62  
1,3,5-Trimethylbenzene  
Concen: 14.445 ug/L  
RT: 12.940 min Scan# 1812  
Delta R.T. 0.006 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

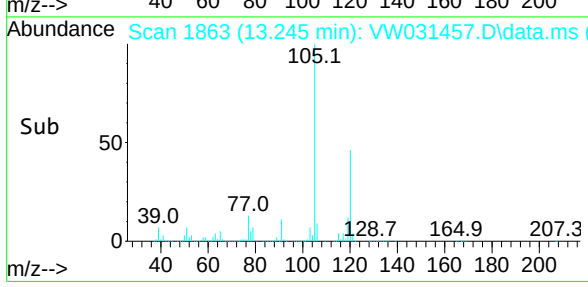
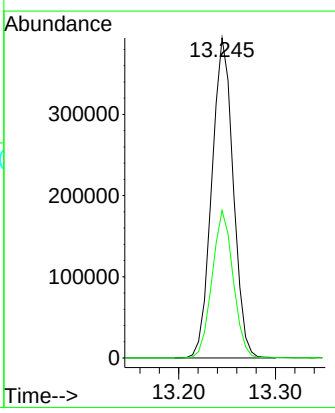
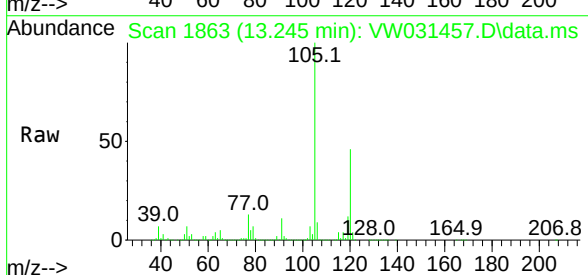
Instrument :  
MSVOA\_W  
ClientSampleId :

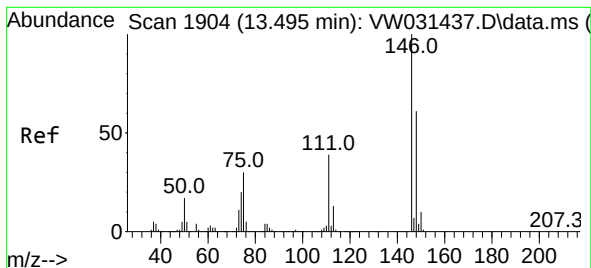
Tgt Ion:105 Resp: 632430  
Ion Ratio Lower Upper  
105 100  
120 48.6 37.3 55.9



#63  
1,2,4-Trimethylbenzene  
Concen: 14.316 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW031457.D  
Acq: 21 Dec 2024 03:51

Tgt Ion:105 Resp: 605797  
Ion Ratio Lower Upper  
105 100  
120 45.2 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 13.925 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

ClientSampleId :

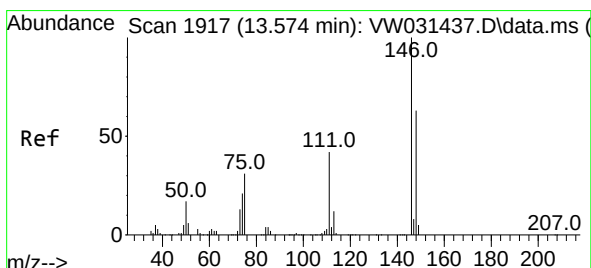
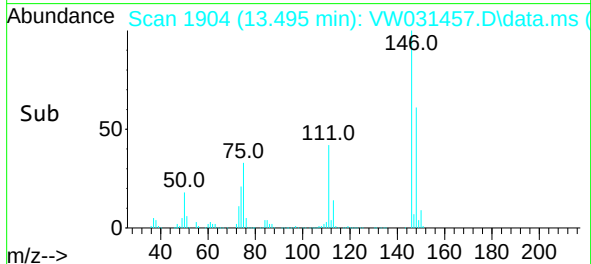
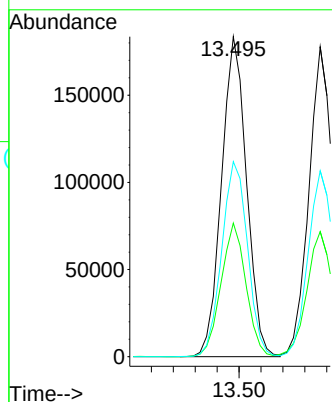
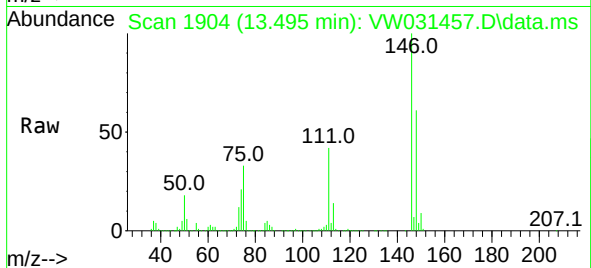
Tgt Ion:146 Resp: 291362

Ion Ratio Lower Upper

146 100

111 41.8 27.6 51.2

148 60.9 41.0 76.2



#65

1,4-Dichlorobenzene

Concen: 13.228 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

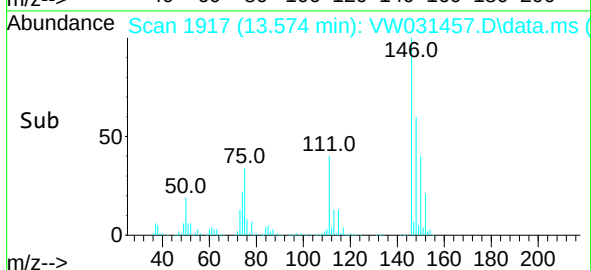
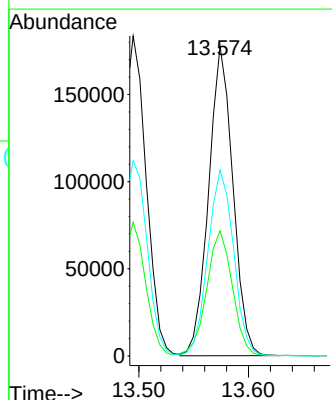
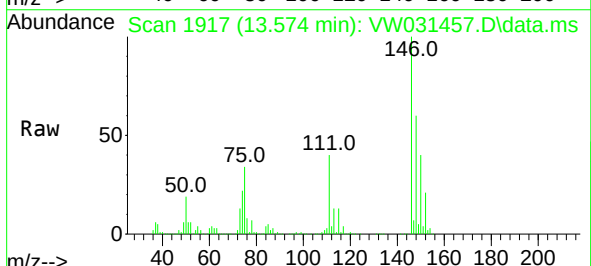
Tgt Ion:146 Resp: 274226

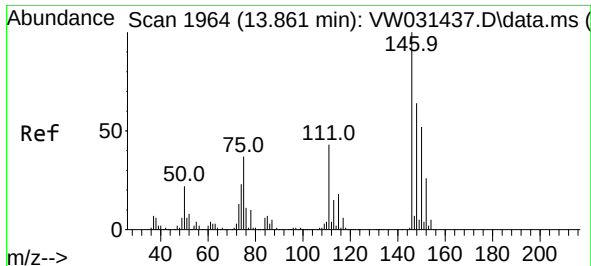
Ion Ratio Lower Upper

146 100

111 40.4 30.7 56.9

148 60.0 46.5 86.3





#67

1,2-Dichlorobenzene

Concen: 12.559 ug/L

RT: 13.867 min Scan# 1964

Delta R.T. 0.006 min

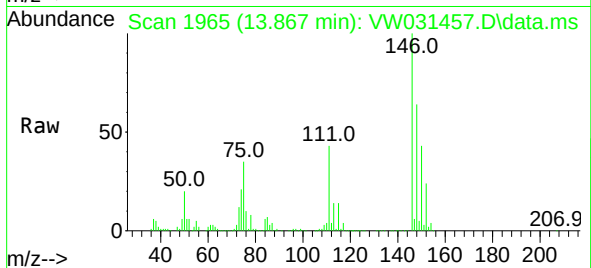
Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

ClientSampleId :



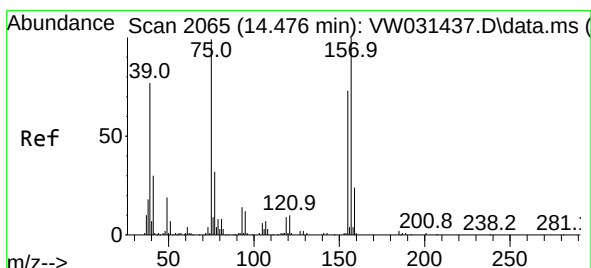
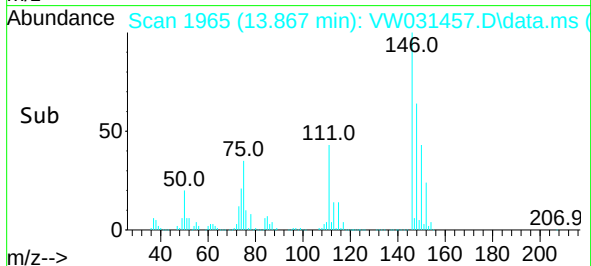
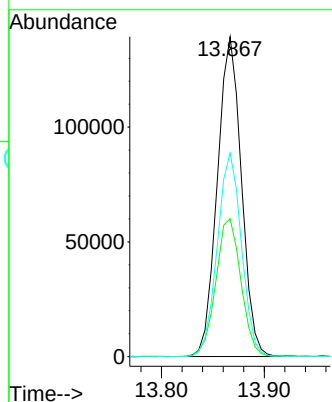
Tgt Ion:146 Resp: 226416

Ion Ratio Lower Upper

146 100

111 43.1 38.6 58.0

148 63.7 53.6 80.4



#68

1,2-Dibromo-3-chloropropane

Concen: 7.268 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

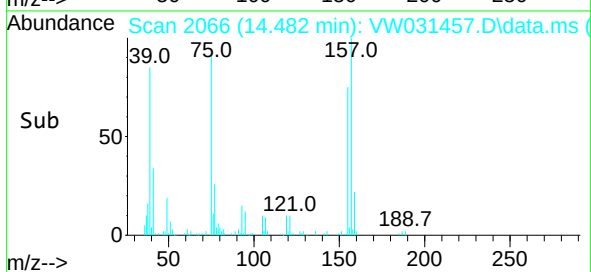
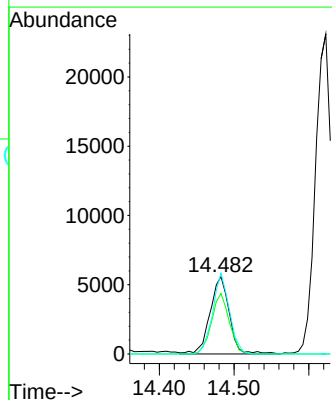
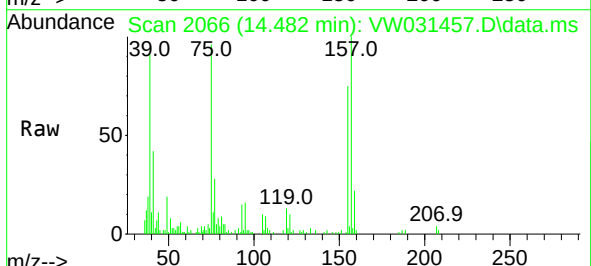
Tgt Ion: 75 Resp: 9959

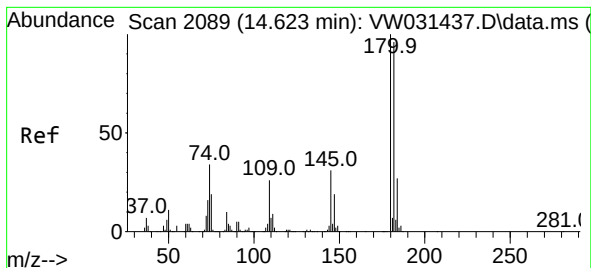
Ion Ratio Lower Upper

75 100

155 78.2 56.6 85.0

157 104.4 71.2 106.8





#69

1,3,5-Trichlorobenzene

Concen: 11.962 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.006 min

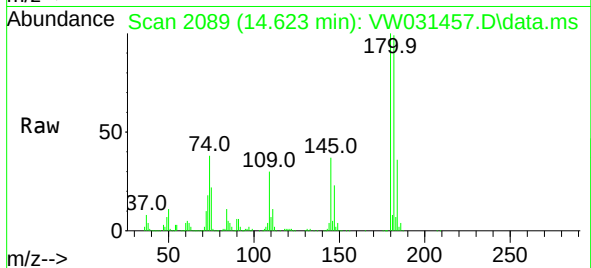
Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 175293

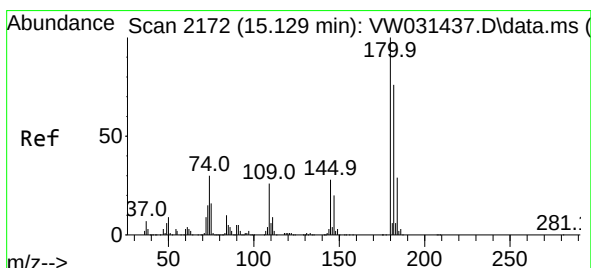
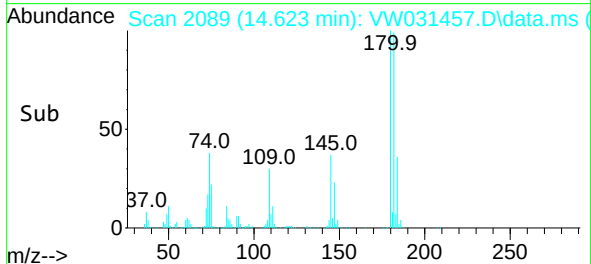
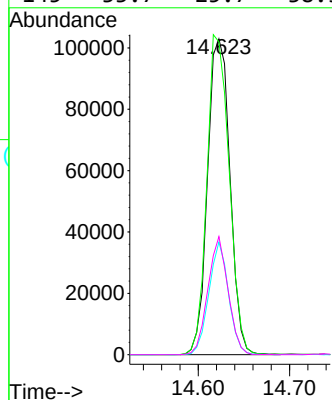
Ion Ratio Lower Upper

180 100

182 100.4 75.0 112.4

184 31.5 24.6 36.8

145 33.7 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 11.057 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

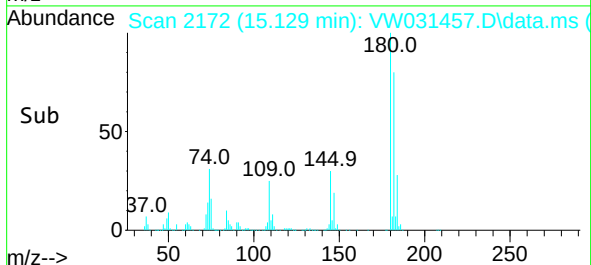
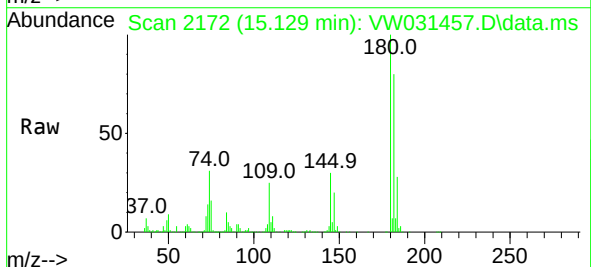
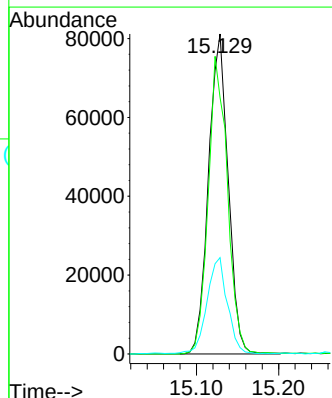
Tgt Ion:180 Resp: 134786

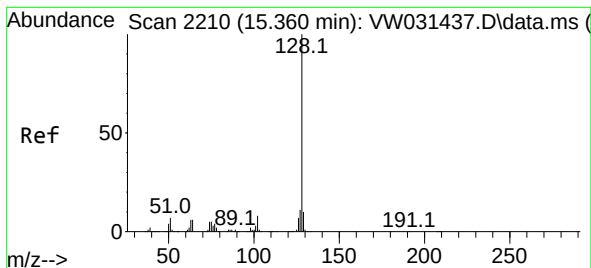
Ion Ratio Lower Upper

180 100

182 91.0 78.2 117.2

145 31.3 26.7 40.1





#71

Naphthalene

Concen: 7.925 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Instrument :

MSVOA\_W

ClientSampleId :

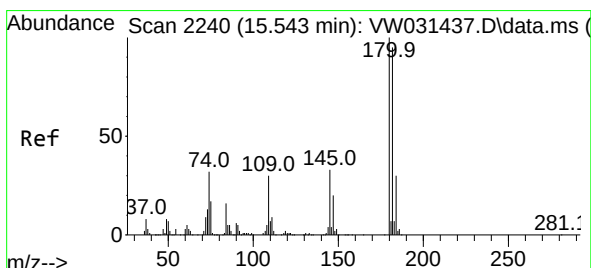
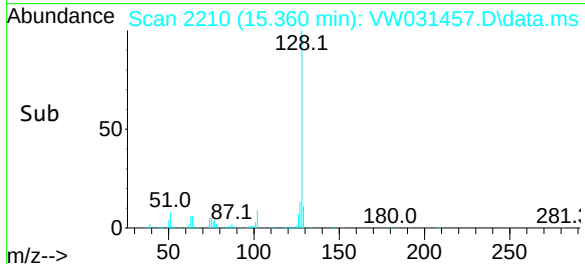
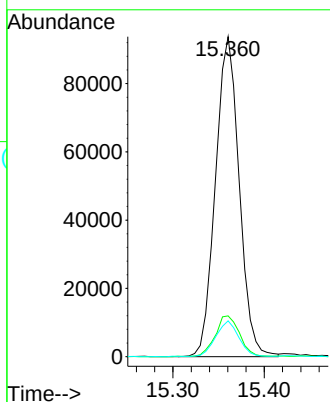
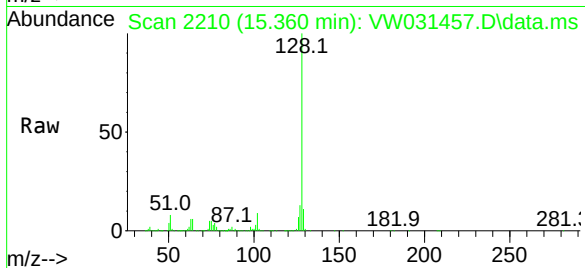
Tgt Ion:128 Resp: 169374

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 9.918 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW031457.D

Acq: 21 Dec 2024 03:51

Tgt Ion:180 Resp: 97403

Ion Ratio Lower Upper

180 100

182 91.4 75.0 112.4

145 34.2 27.8 41.6

