

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW061824\  
 Data File : VW029171.D  
 Acq On : 18 Jun 2024 11:55  
 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 19 01:38:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 19 01:31:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 266188   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 244434   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 123436   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 83640    | 22.701   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 90.800%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 70230    | 22.572   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 90.280%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 38920    | 21.879   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 87.520%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 58728    | 53.278   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 106.560% |
| 24) Chloroform-d              | 7.648  | 84    | 189460   | 23.860   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 111313   | 24.416   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 97.680%  |
| 32) Benzene-d6                | 8.276  | 84    | 364418   | 24.545   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 98.160%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 115772   | 24.530   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 98.120%  |
| 41) Toluene-d8                | 10.325 | 98    | 340242   | 25.902   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 103.600% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 48569    | 25.538   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 102.160% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 41702    | 56.366   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.740% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 96313    | 25.641   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.560% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 100880   | 23.545   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 94.160%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.009  | 85    | 48768    | 18.779   | ug/L   | 99       |
| 3) Chloromethane              | 2.222  | 50    | 76239    | 20.589   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 82143    | 19.317   | ug/L   | 94       |
| 6) Bromomethane               | 2.783  | 94    | 52549    | 20.560   | ug/L   | 93       |
| 8) Chloroethane               | 2.936  | 64    | 55766    | 21.440   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 72411    | 21.964   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 72737    | 20.010   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 67918    | 22.020   | ug/L   | 97       |
| 13) Acetone                   | 4.118  | 43    | 45086    | 48.129   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.387  | 76    | 205991   | 20.459   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 47036    | 25.292   | ug/L # | 76       |
| 16) Methylene chloride        | 4.917  | 84    | 84965    | 18.153   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 77258    | 22.555   | ug/L   | 92       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 131874   | 24.064   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 166265   | 22.475   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 86853    | 22.994   | ug/L   | 93       |
| 22) 2-Butanone                | 7.173  | 43    | 64303    | 50.076   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.508  | 128   | 37506    | 22.306   | ug/L   | 93       |
| 25) Chloroform                | 7.673  | 83    | 164905   | 22.828   | ug/L   | 100      |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 19 01:38:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 19 01:31:48 2024  
 Response via : Initial Calibration

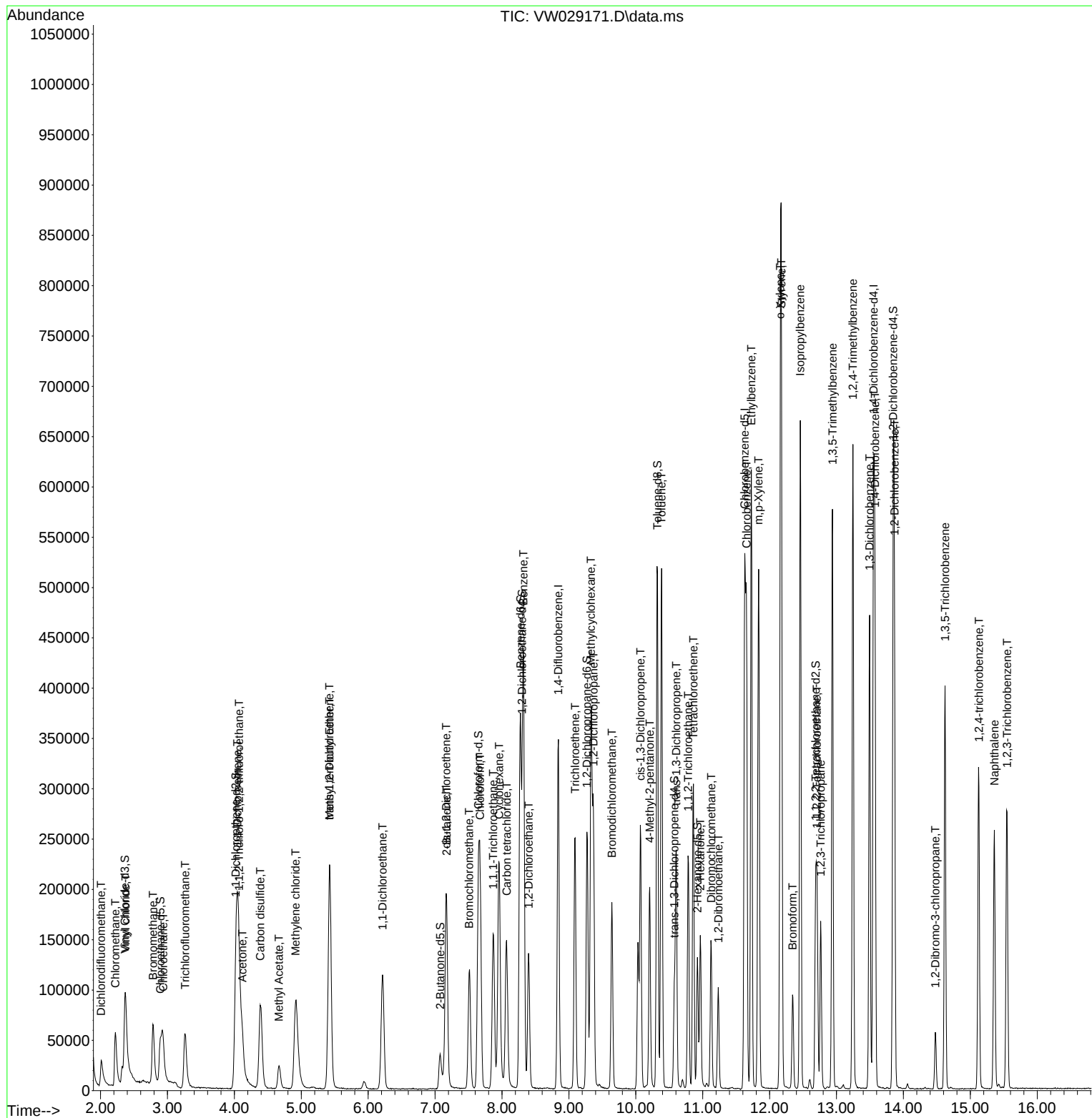
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 123173   | 23.119 | ug/L   | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 128618   | 23.017 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 125405   | 23.072 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 112034   | 22.563 | ug/L   | 94       |
| 33) Benzene                   | 8.319  | 78   | 348082   | 23.700 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 87235    | 22.263 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.331  | 83   | 141209   | 22.915 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 97714    | 23.677 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 118935   | 23.571 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 144718   | 24.807 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 137205   | 53.640 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 363820   | 24.096 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 123986   | 25.170 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 70181    | 24.417 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 63668    | 23.244 | ug/L   | 86       |
| 48) 2-Hexanone                | 10.965 | 43   | 99662    | 54.909 | ug/L   | 100      |
| 49) Dibromochloromethane      | 11.129 | 129  | 71185    | 23.692 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 64558    | 25.021 | ug/L   | 95       |
| 51) Chlorobenzene             | 11.654 | 112  | 226044   | 23.055 | ug/L   | 95       |
| 52) Ethylbenzene              | 11.727 | 91   | 409074   | 23.868 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.837 | 106  | 152542   | 24.367 | ug/L   | 96       |
| 54) o-Xylene                  | 12.160 | 106  | 143612   | 24.546 | ug/L   | 96       |
| 55) Styrene                   | 12.178 | 104  | 254308   | 24.929 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 85847    | 24.146 | ug/L   | 98       |
| 59) Bromoform                 | 12.343 | 173  | 40234    | 23.782 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 397925   | 24.194 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 65493    | 24.326 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 293283   | 24.622 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 316268   | 24.677 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 172657   | 24.258 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 173080   | 22.855 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 156047   | 23.715 | ug/L   | 89       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 14325    | 22.800 | ug/L # | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 108875   | 22.665 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 91552    | 23.511 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 199831   | 26.001 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 83447    | 23.519 | ug/L   | 93       |

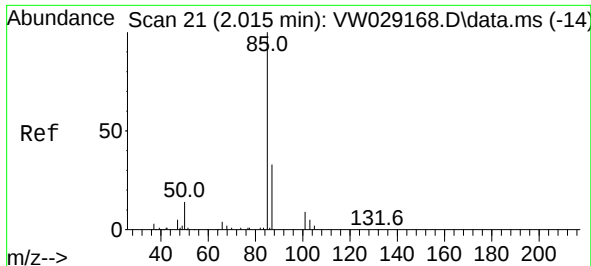
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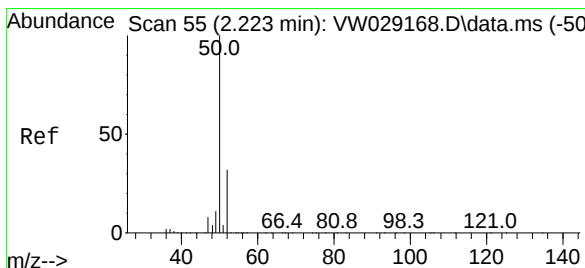
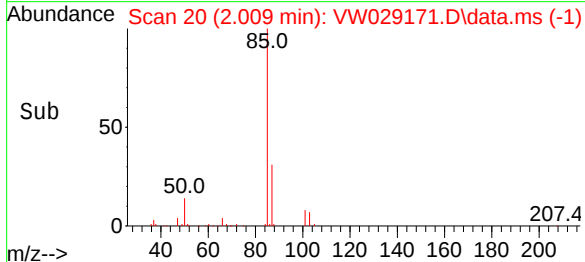
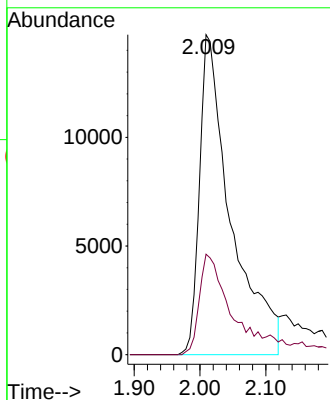
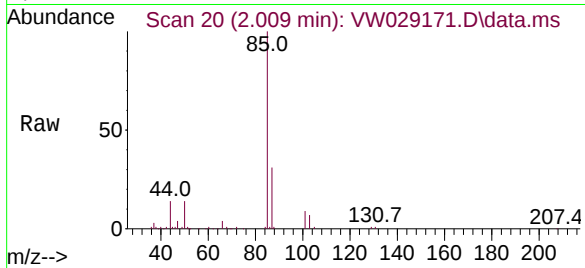




#2  
 Dichlorodifluoromethane  
 Concen: 18.779 ug/L  
 RT: 2.009 min Scan# 20  
 Delta R.T. -0.006 min  
 Lab File: VW029171.D  
 Acq: 18 Jun 2024 11:55

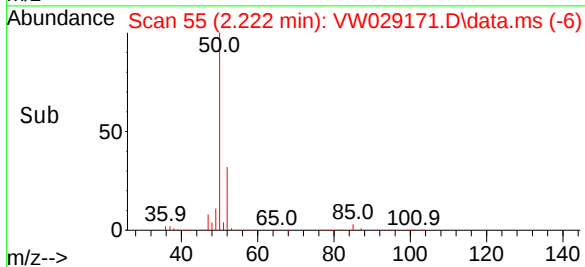
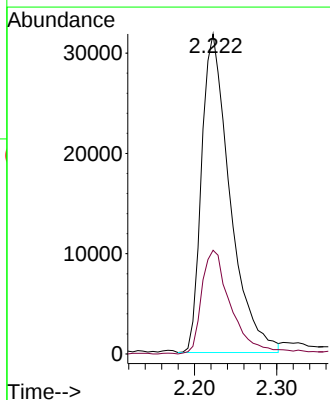
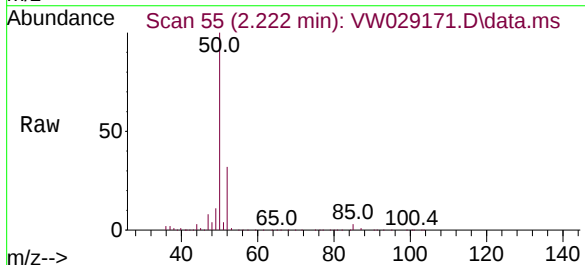
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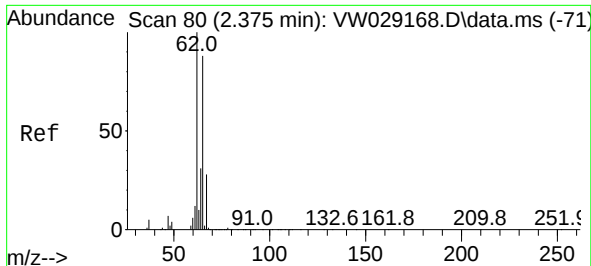
Tgt Ion: 85 Resp: 48768  
 Ion Ratio Lower Upper  
 85 100  
 87 30.3 23.8 35.6



#3  
 Chloromethane  
 Concen: 20.589 ug/L  
 RT: 2.222 min Scan# 55  
 Delta R.T. -0.000 min  
 Lab File: VW029171.D  
 Acq: 18 Jun 2024 11:55

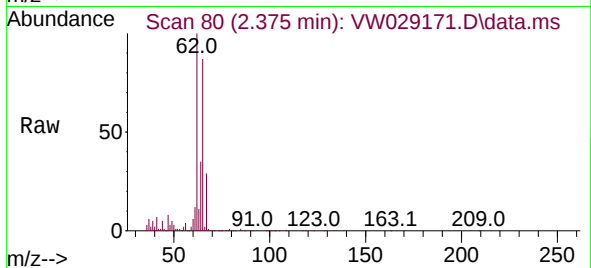
Tgt Ion: 50 Resp: 76239  
 Ion Ratio Lower Upper  
 50 100  
 52 32.4 22.3 41.5



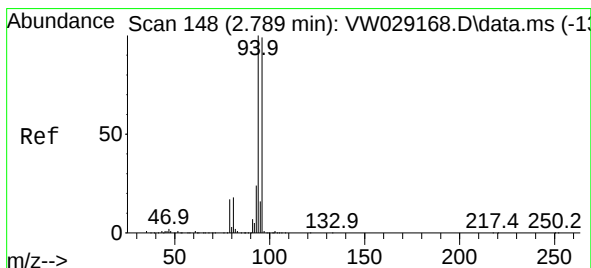
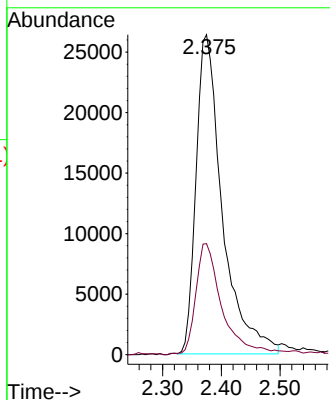
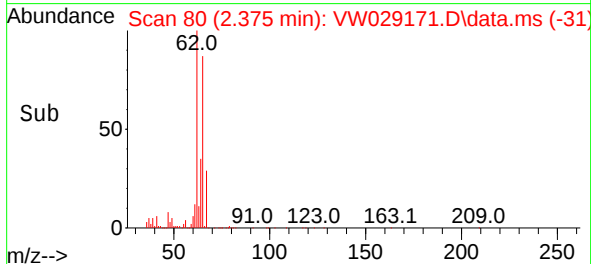


#5  
 Vinyl chloride  
 Concen: 19.317 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: VW029171.D  
 Acq: 18 Jun 2024 11:55

Instrument :  
 MSVOA\_W  
 ClientSampleId :

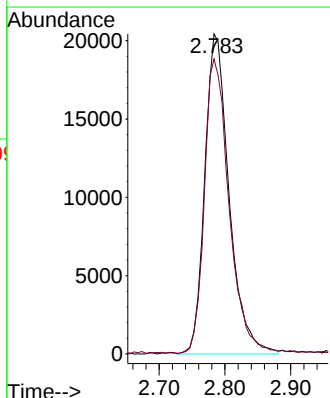
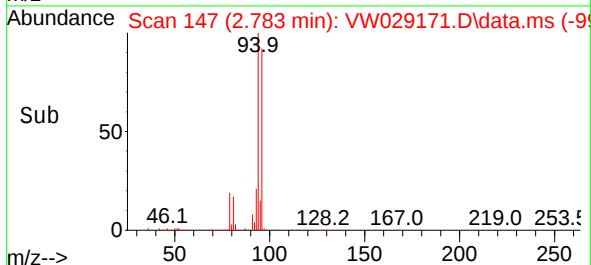
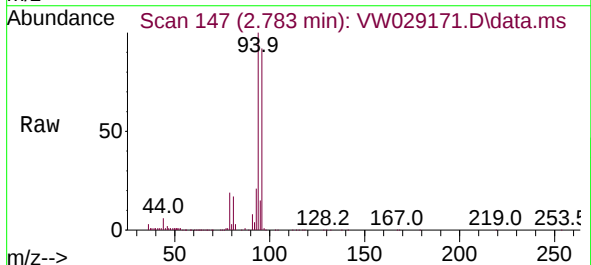


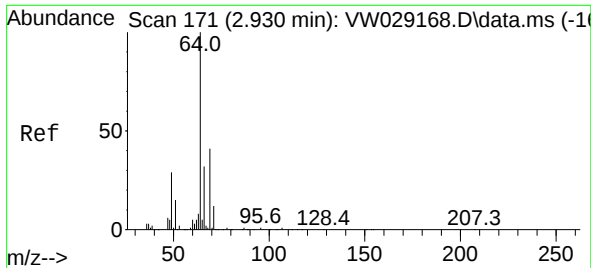
Tgt Ion: 62 Resp: 82143  
 Ion Ratio Lower Upper  
 62 100  
 64 34.7 22.0 40.8



#6  
 Bromomethane  
 Concen: 20.560 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. -0.006 min  
 Lab File: VW029171.D  
 Acq: 18 Jun 2024 11:55

Tgt Ion: 94 Resp: 52549  
 Ion Ratio Lower Upper  
 94 100  
 96 92.1 69.5 129.1

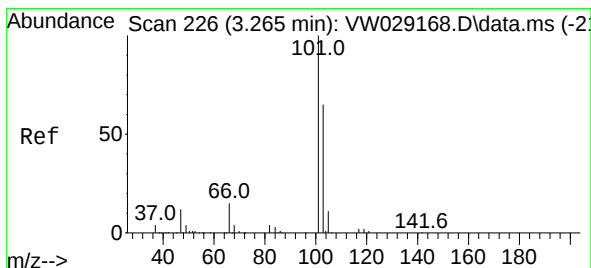
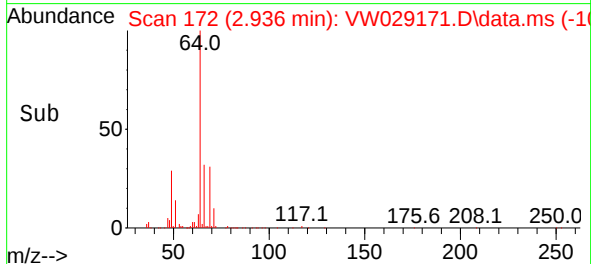
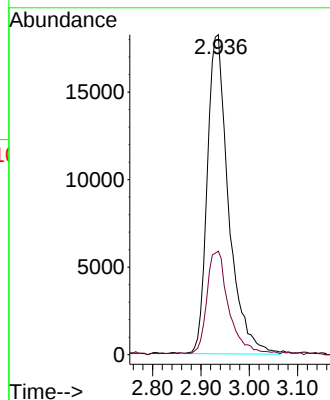
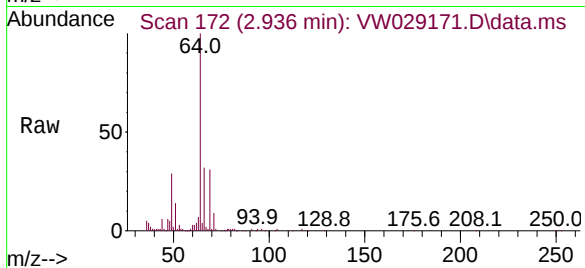




#8  
Chloroethane  
Concen: 21.440 ug/L  
RT: 2.936 min Scan# 171  
Delta R.T. 0.006 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

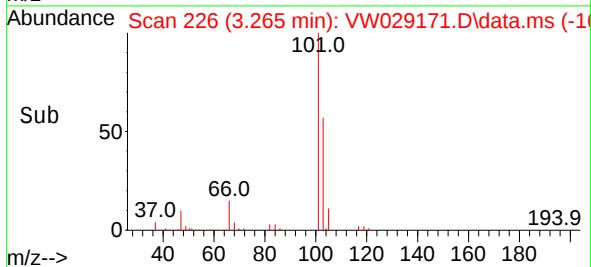
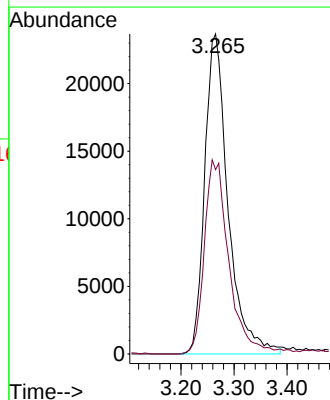
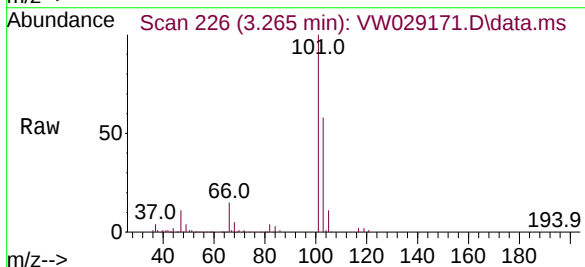
Instrument :  
MSVOA\_W  
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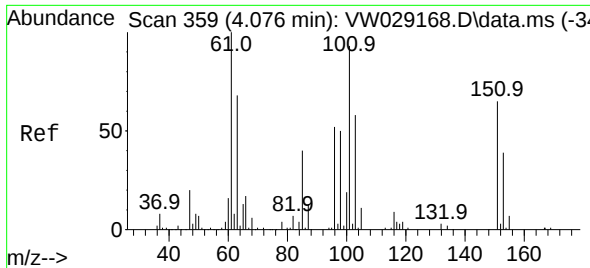
Tgt Ion: 64 Resp: 55766  
Ion Ratio Lower Upper  
64 100  
66 32.4 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 21.964 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion:101 Resp: 72411  
Ion Ratio Lower Upper  
101 100  
103 62.7 50.8 76.2





#10

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

Concen: 20.010 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

ClientSampleId :

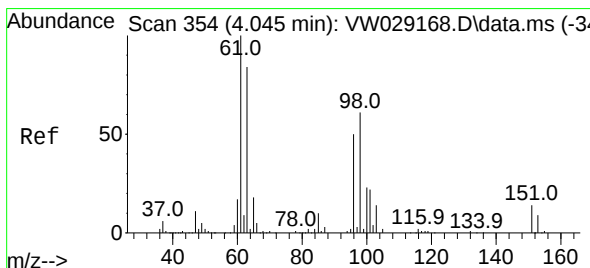
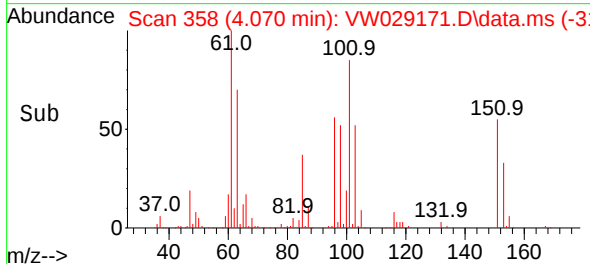
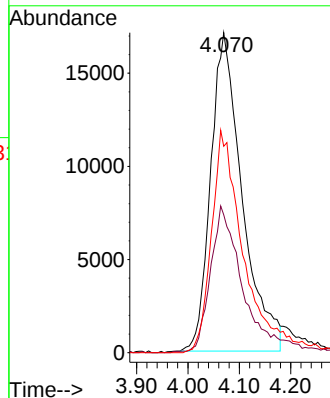
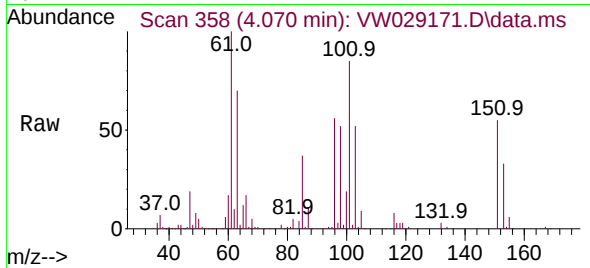
Tgt Ion:101 Resp: 72737

Ion Ratio Lower Upper

101 100

85 43.3 30.2 45.2

151 66.5 52.2 78.4



#12

1,1-Dichloroethene

Concen: 22.020 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

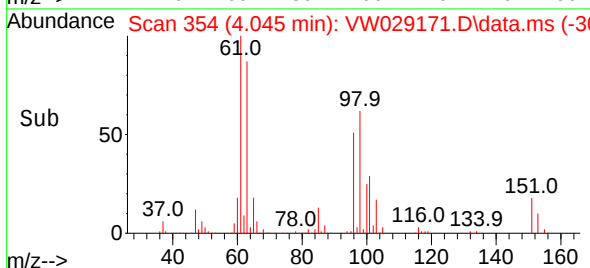
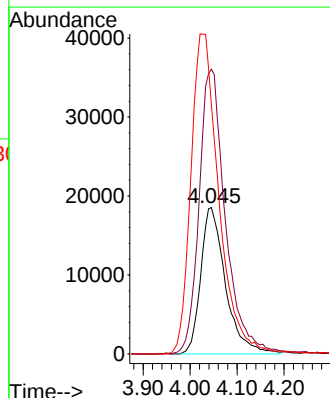
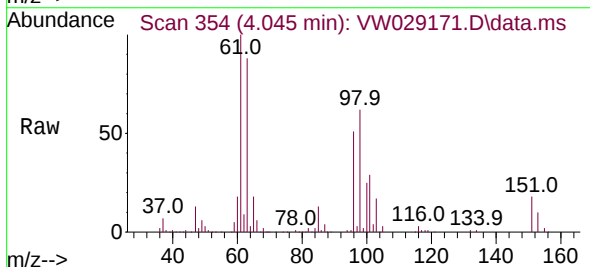
Tgt Ion: 96 Resp: 67918

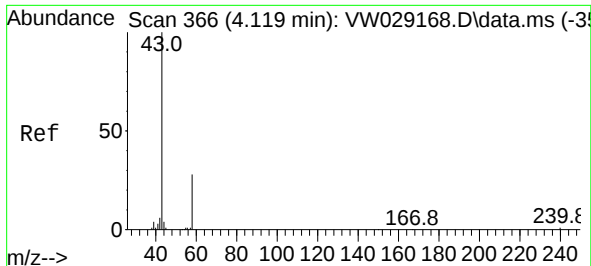
Ion Ratio Lower Upper

96 100

61 194.5 140.1 260.3

63 170.4 122.0 226.6

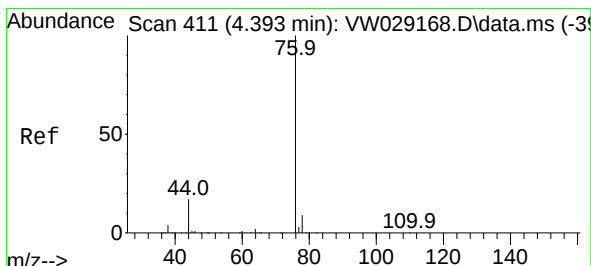
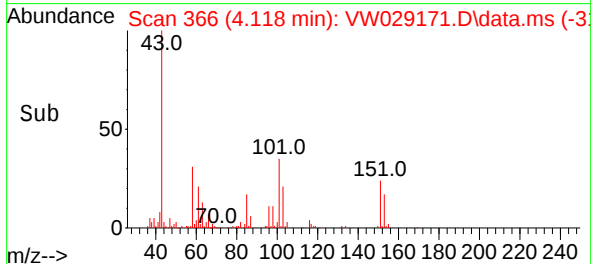
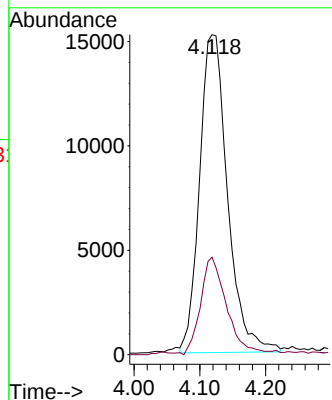
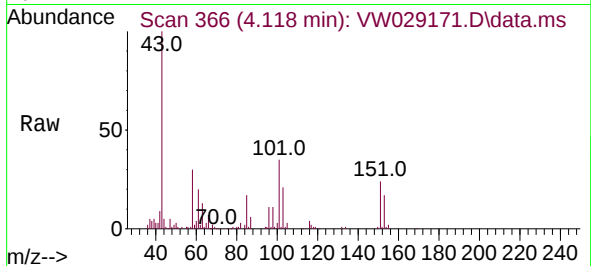




#13  
Acetone  
Concen: 48.129 ug/L  
RT: 4.118 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

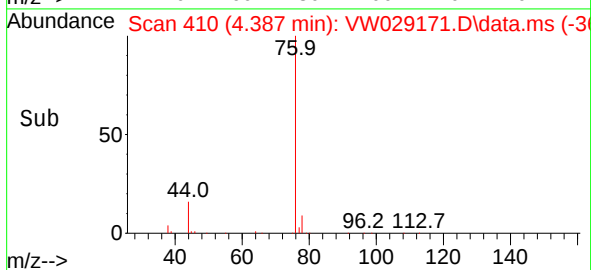
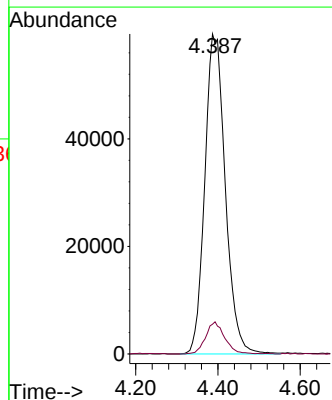
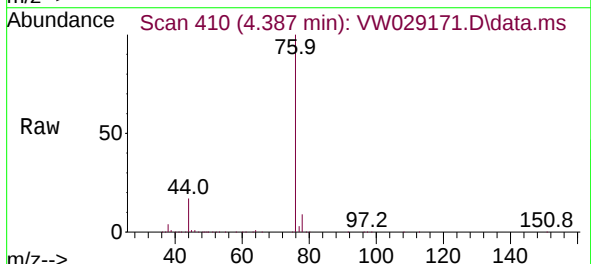
Instrument :  
MSVOA\_W  
ClientSampleId :

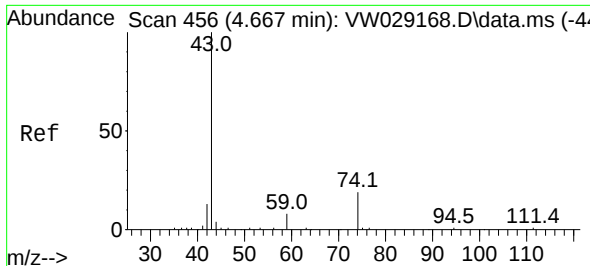
Tgt Ion: 43 Resp: 45086  
Ion Ratio Lower Upper  
43 100  
58 28.5 0.0 61.4



#14  
Carbon disulfide  
Concen: 20.459 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion: 76 Resp: 205991  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.2 10.8





#15

Methyl Acetate

Concen: 25.292 ug/L

RT: 4.667 min Scan# 4

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

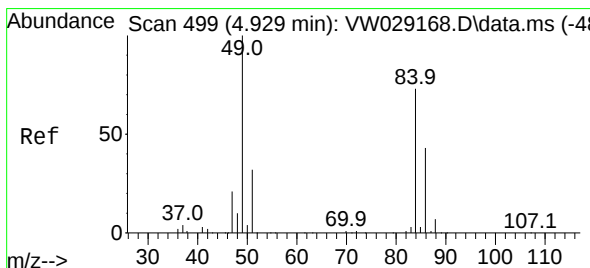
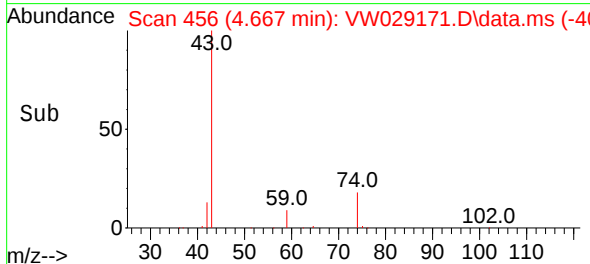
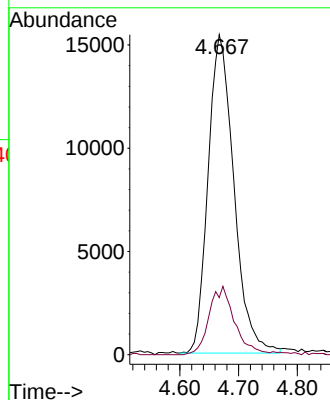
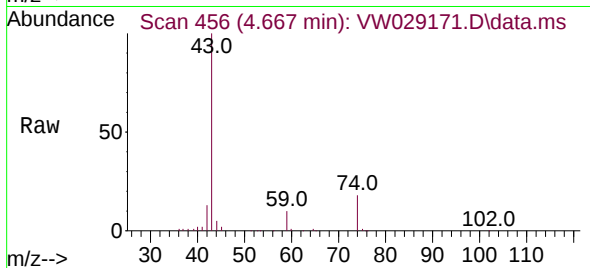
ClientSampleId :

Tgt Ion: 43 Resp: 47036

Ion Ratio Lower Upper

43 100

74 9.7 16.6 25.0#



#16

Methylene chloride

Concen: 18.153 ug/L

RT: 4.917 min Scan# 497

Delta R.T. -0.012 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

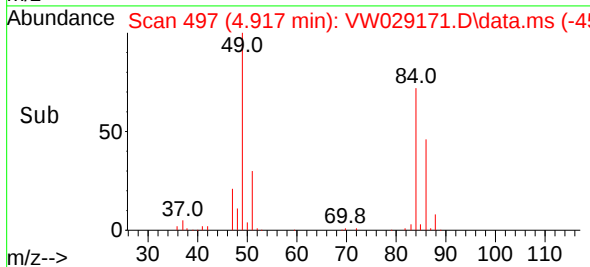
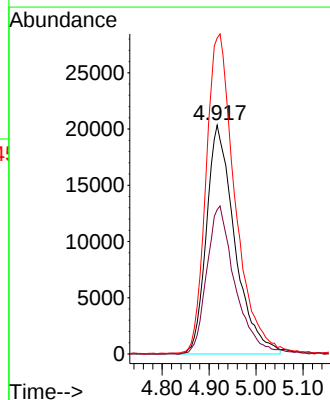
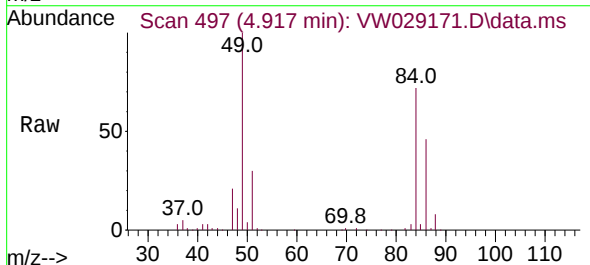
Tgt Ion: 84 Resp: 84965

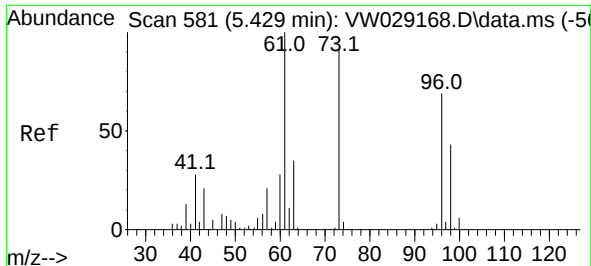
Ion Ratio Lower Upper

84 100

86 63.1 41.4 77.0

49 138.0 95.7 177.7





#17

trans-1,2-Dichloroethene

Concen: 22.555 ug/L

RT: 5.423 min Scan# 581

Delta R.T. -0.006 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

ClientSampleId :

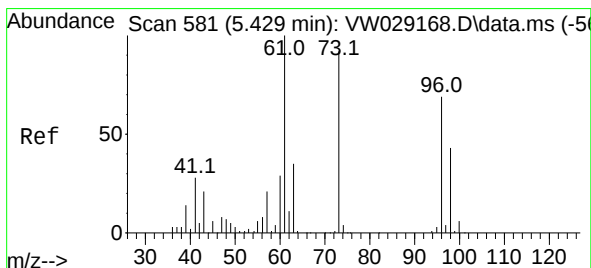
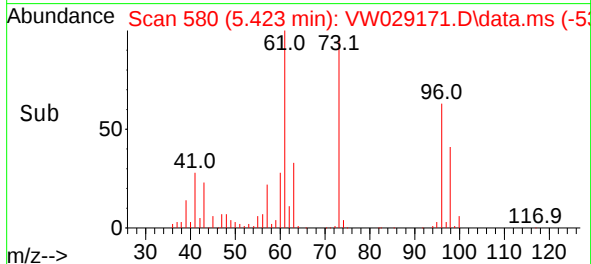
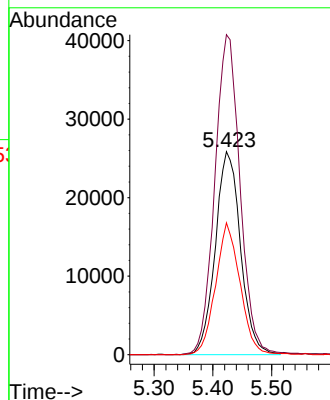
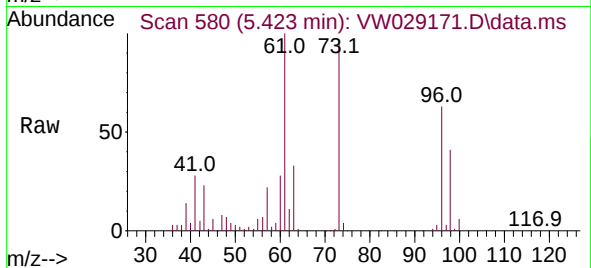
Tgt Ion: 96 Resp: 77258

Ion Ratio Lower Upper

96 100

61 157.5 101.5 188.5

98 64.9 43.3 80.3



#18

Methyl tert-butyl Ether

Concen: 24.064 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

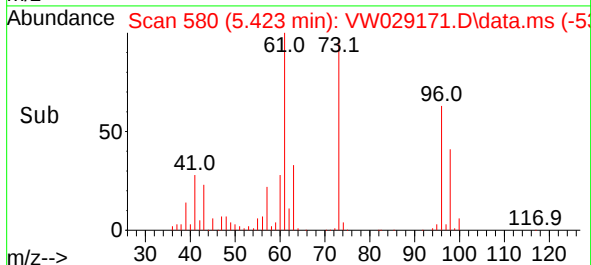
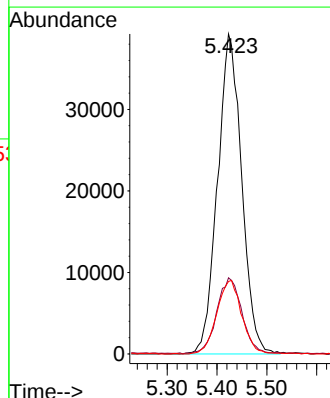
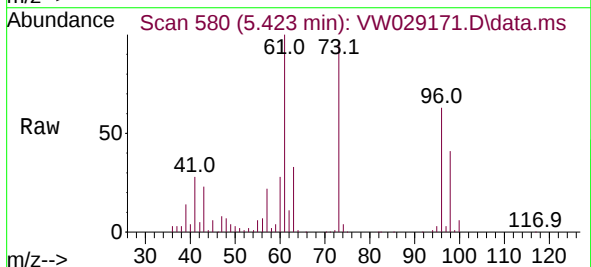
Tgt Ion: 73 Resp: 131874

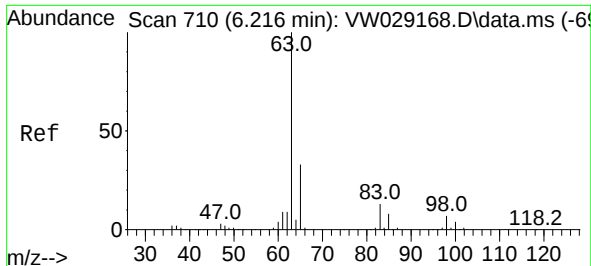
Ion Ratio Lower Upper

73 100

43 24.4 19.5 29.3

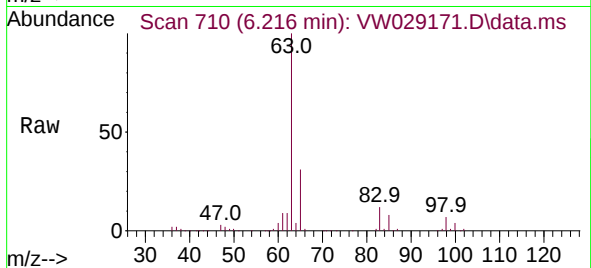
57 23.8 18.4 27.6



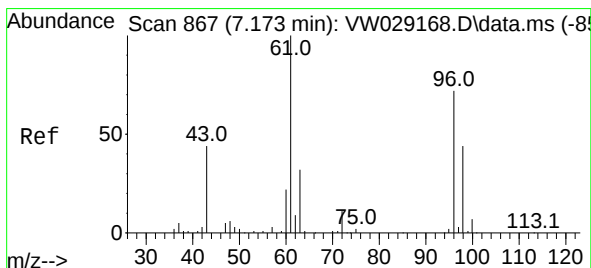
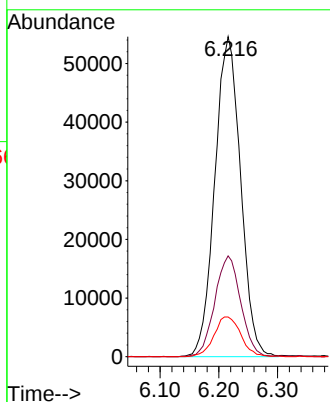
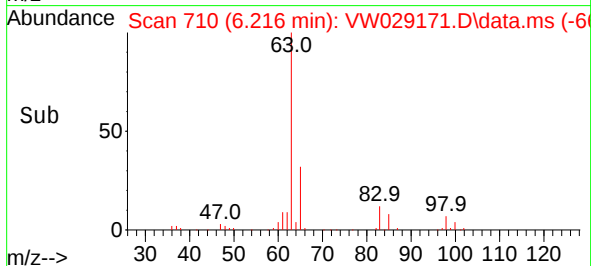


#19  
1,1-Dichloroethane  
Concen: 22.475 ug/L  
RT: 6.216 min Scan# 710  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Instrument :  
MSVOA\_W  
ClientSampleId :

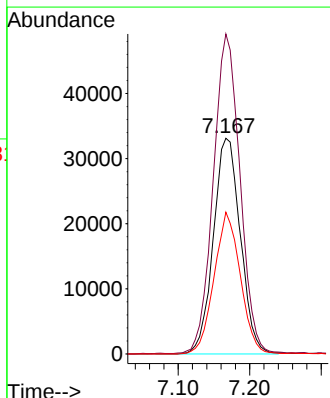
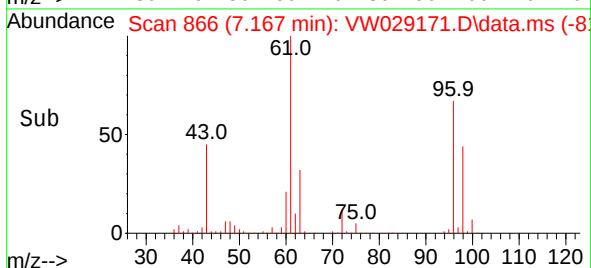
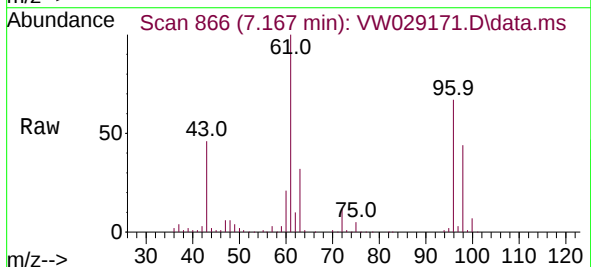


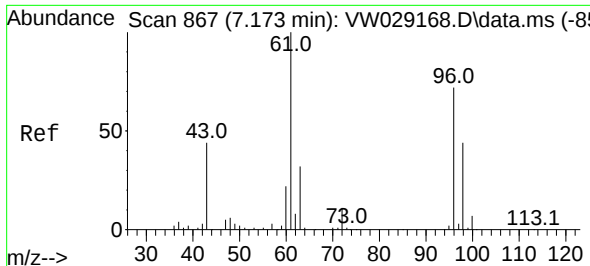
Tgt Ion: 63 Resp: 166265  
Ion Ratio Lower Upper  
63 100  
65 31.5 23.4 43.4  
83 12.4 8.9 16.5



#20  
cis-1,2-Dichloroethene  
Concen: 22.994 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. -0.006 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion: 96 Resp: 86853  
Ion Ratio Lower Upper  
96 100  
61 148.4 97.8 181.6  
98 65.7 43.0 79.8





#22

2-Butanone

Concen: 50.076 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

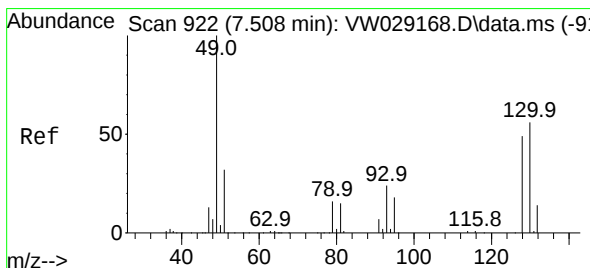
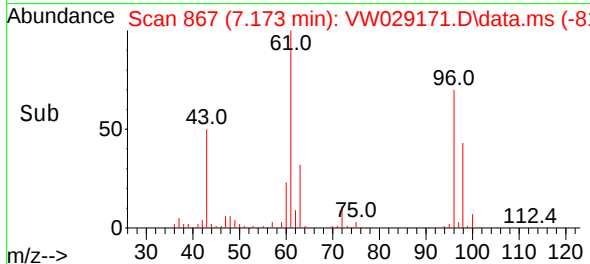
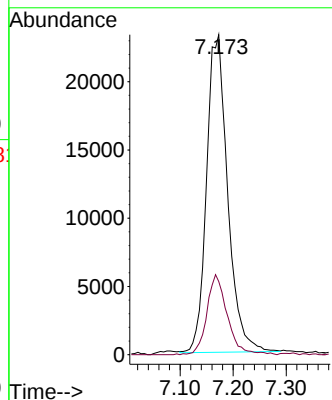
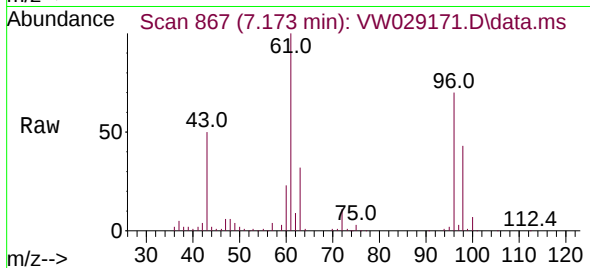
ClientSampleId :

Tgt Ion: 43 Resp: 64303

Ion Ratio Lower Upper

43 100

72 24.0 11.9 35.7



#23

Bromochloromethane

Concen: 22.306 ug/L

RT: 7.508 min Scan# 922

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Tgt Ion: 128 Resp: 37506

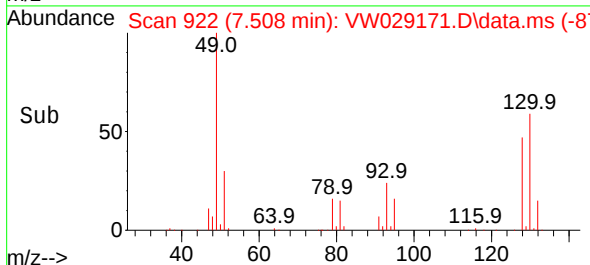
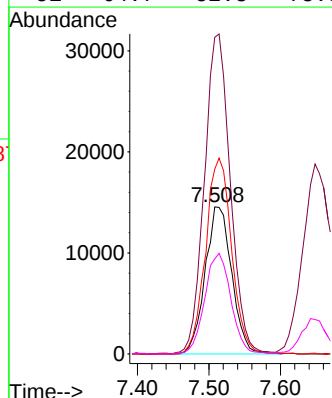
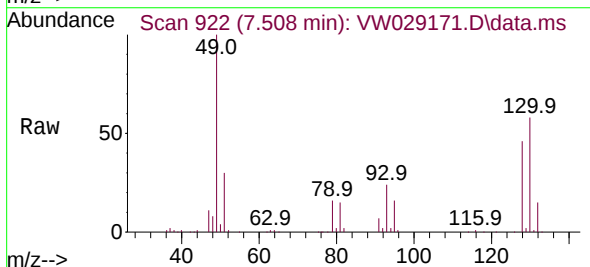
Ion Ratio Lower Upper

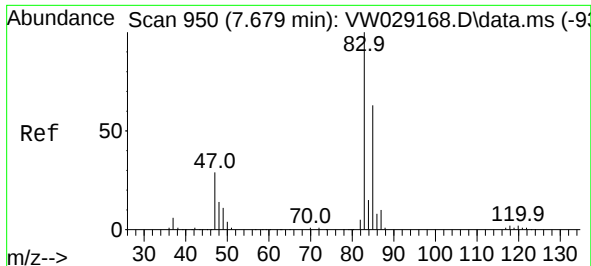
128 100

49 215.3 142.6 264.8

130 125.7 79.7 148.1

51 64.7 52.3 78.5





#25

Chloroform

Concen: 22.828 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

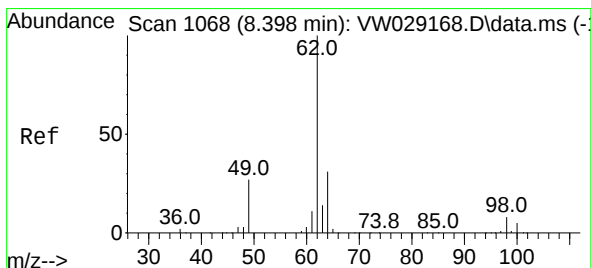
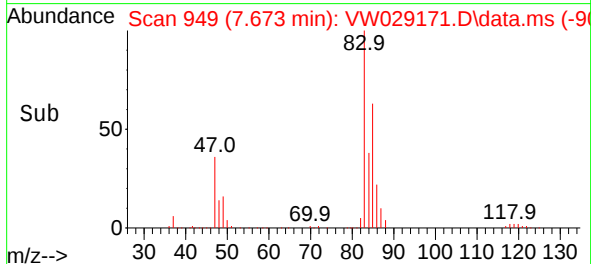
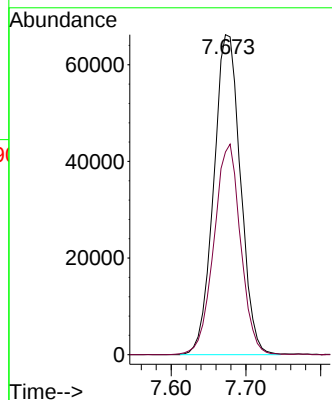
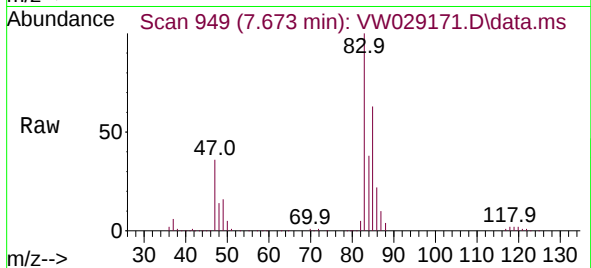
ClientSampleId :

Tgt Ion: 83 Resp: 164905

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4



#27

1,2-Dichloroethane

Concen: 23.119 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW029171.D

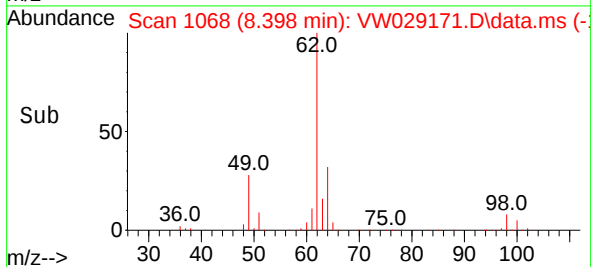
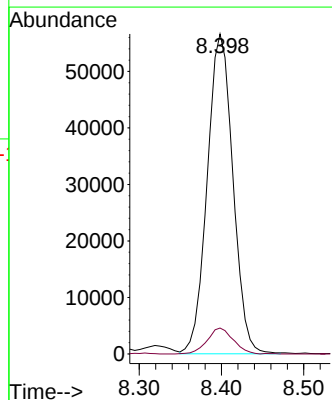
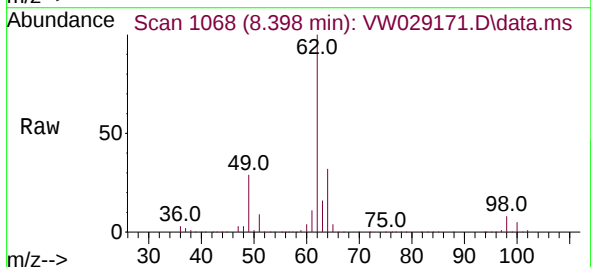
Acq: 18 Jun 2024 11:55

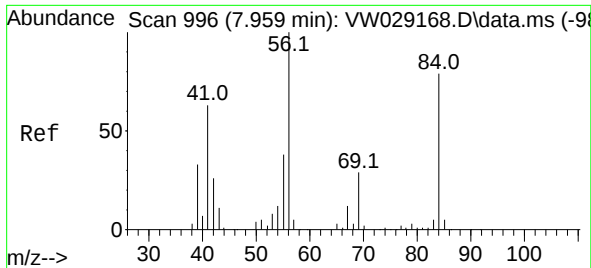
Tgt Ion: 62 Resp: 123173

Ion Ratio Lower Upper

62 100

98 8.1 6.6 10.0





#29

Cyclohexane

Concen: 23.017 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

ClientSampleId :

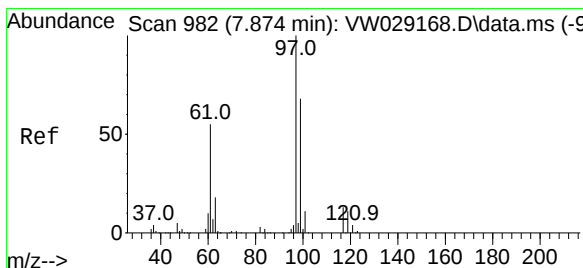
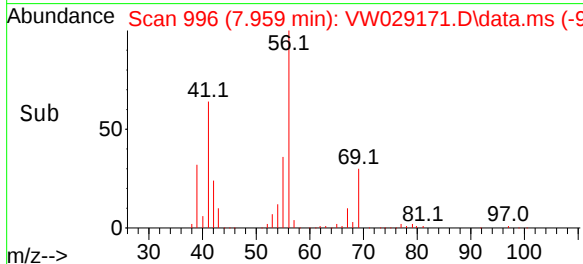
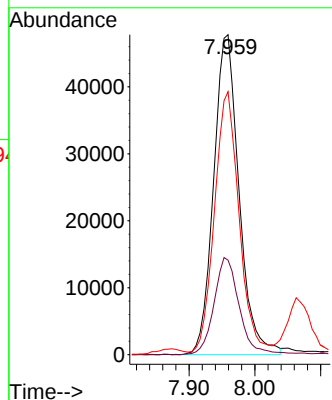
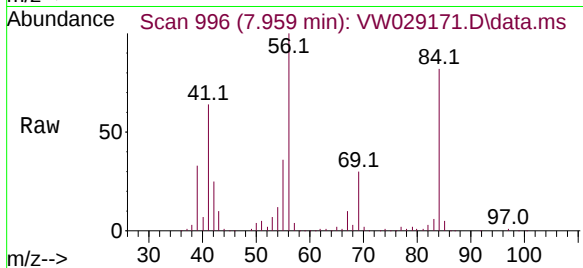
Tgt Ion: 56 Resp: 128618

Ion Ratio Lower Upper

56 100

69 30.1 23.4 35.0

84 79.7 64.5 96.7



#30

1,1,1-Trichloroethane

Concen: 23.072 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

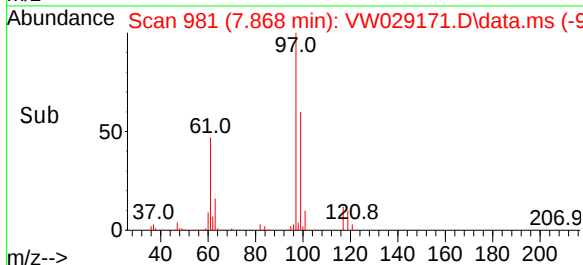
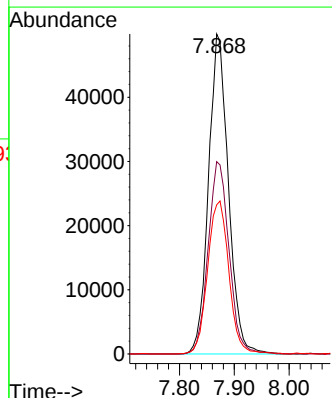
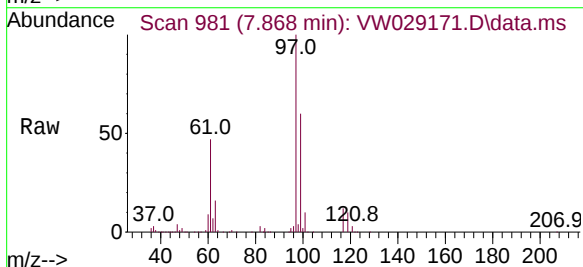
Tgt Ion: 97 Resp: 125405

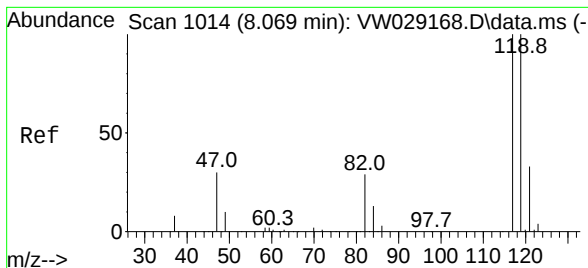
Ion Ratio Lower Upper

97 100

99 63.2 53.0 79.4

61 51.4 43.0 64.4

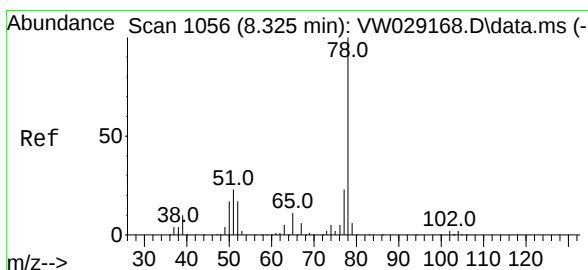
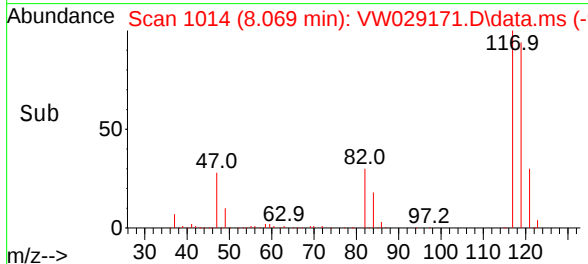
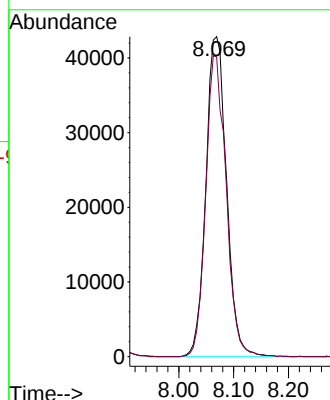
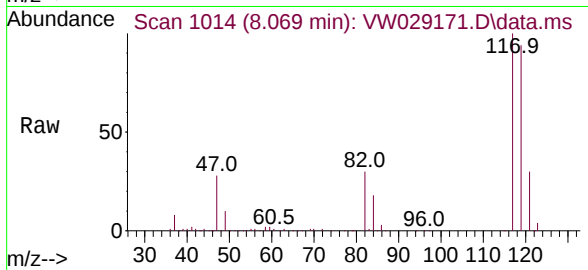




#31  
Carbon tetrachloride  
Concen: 22.563 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

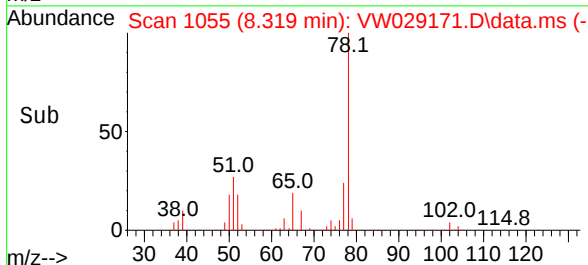
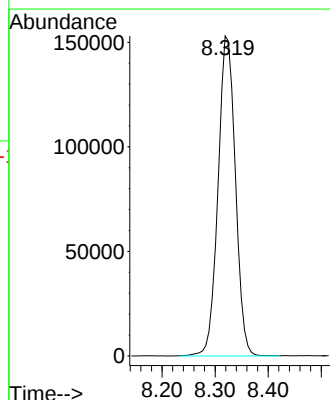
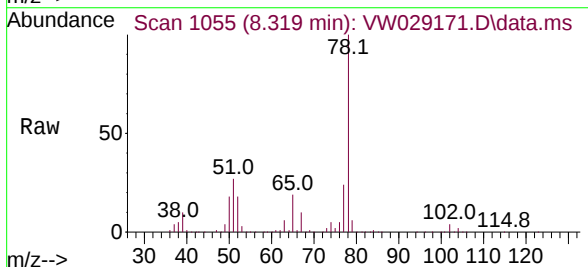
Instrument :  
MSVOA\_W  
ClientSampleId :

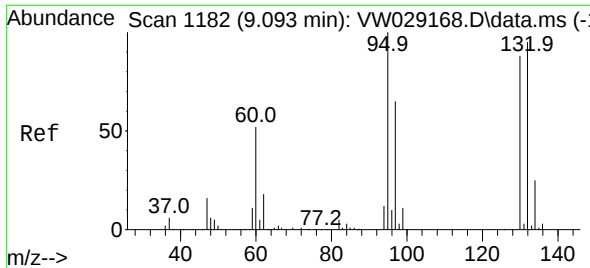
Tgt Ion:117 Resp: 112034  
Ion Ratio Lower Upper  
117 100  
119 92.7 79.0 118.4



#33  
Benzene  
Concen: 23.700 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion: 78 Resp: 348082

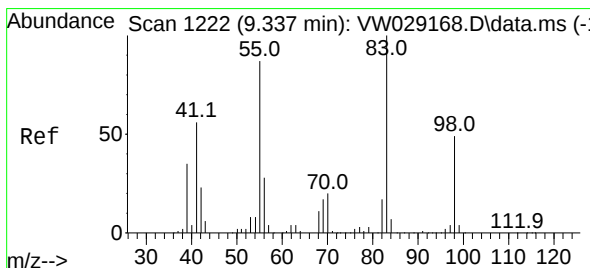
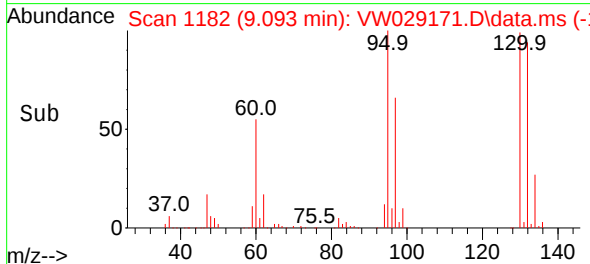
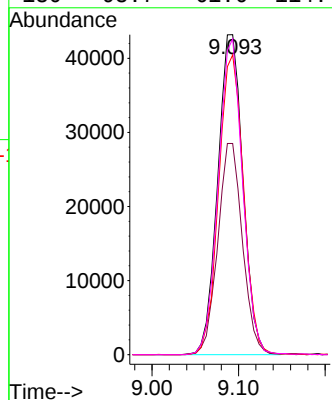
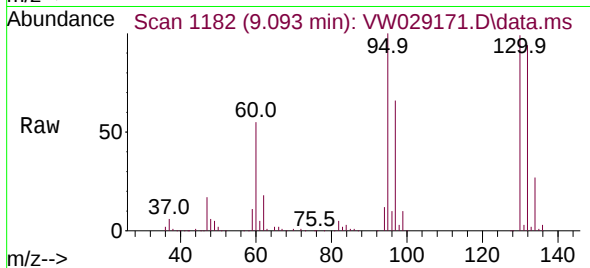




#34  
Trichloroethene  
Concen: 22.263 ug/L  
RT: 9.093 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

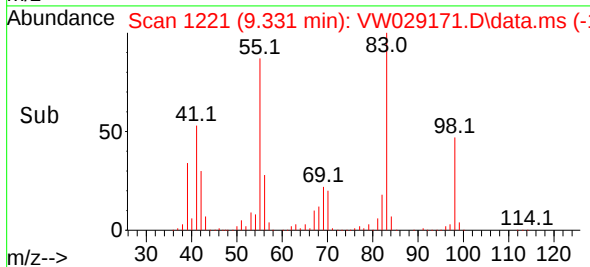
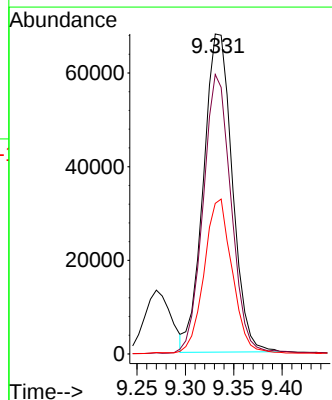
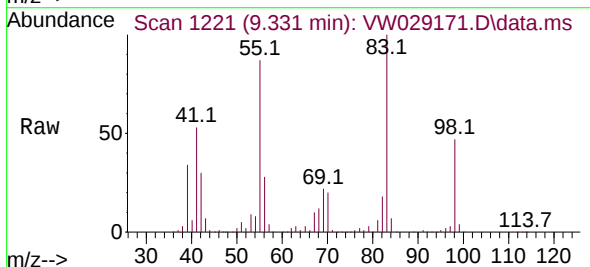
Instrument :  
MSVOA\_W  
ClientSampleId :

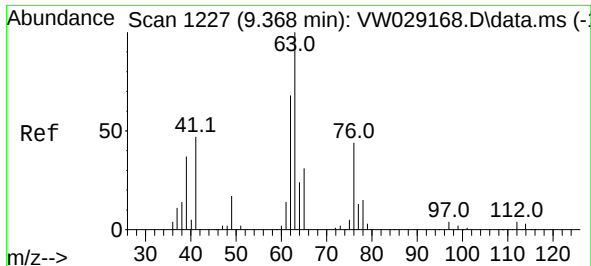
Tgt Ion: 95 Resp: 87235  
Ion Ratio Lower Upper  
95 100  
97 66.0 45.7 84.9  
132 93.7 66.4 123.4  
130 98.7 61.6 114.4



#35  
Methylcyclohexane  
Concen: 22.915 ug/L  
RT: 9.331 min Scan# 1221  
Delta R.T. -0.006 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion: 83 Resp: 141209  
Ion Ratio Lower Upper  
83 100  
55 84.6 69.5 104.3  
98 47.8 38.0 57.0





#37

1,2-Dichloropropane

Concen: 23.677 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

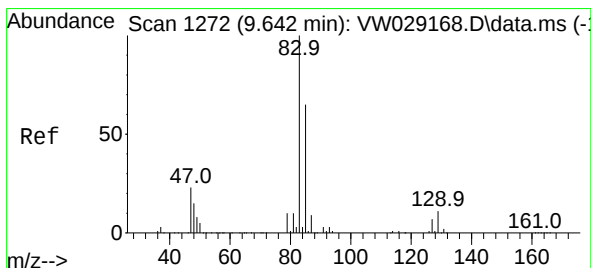
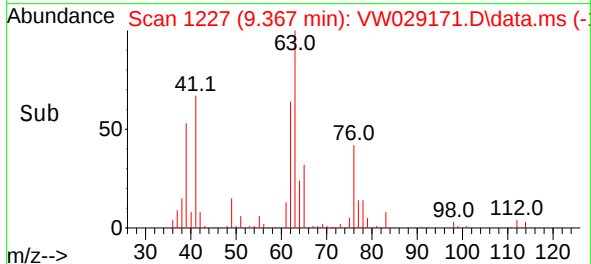
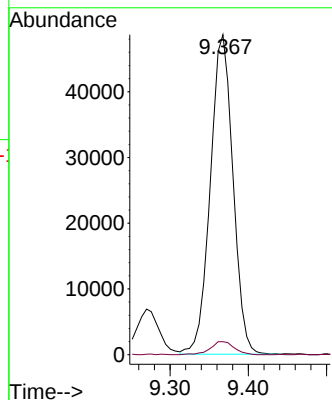
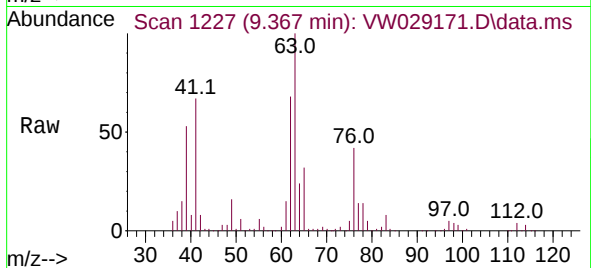
ClientSampleId :

Tgt Ion: 63 Resp: 97714

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.6



#38

Bromodichloromethane

Concen: 23.571 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

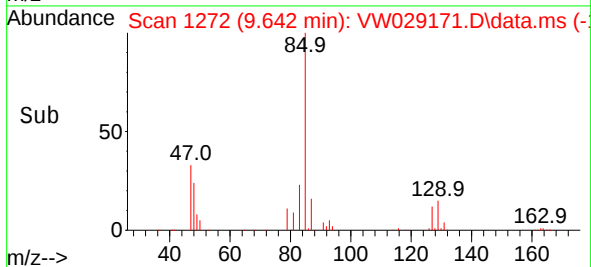
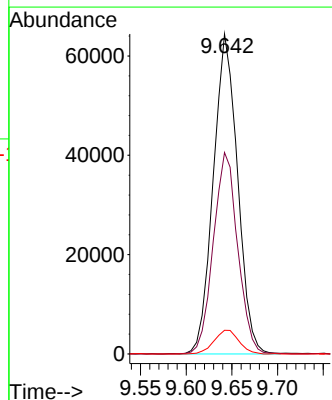
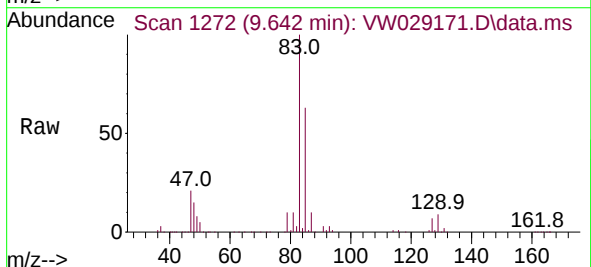
Tgt Ion: 83 Resp: 118935

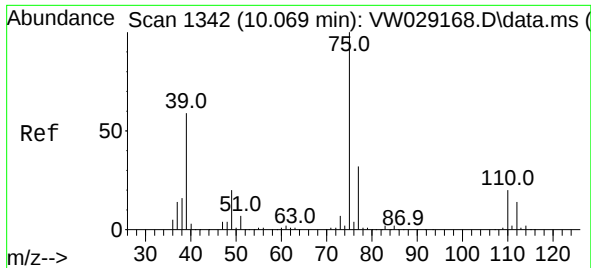
Ion Ratio Lower Upper

83 100

85 63.0 45.1 83.9

127 7.4 5.8 8.6

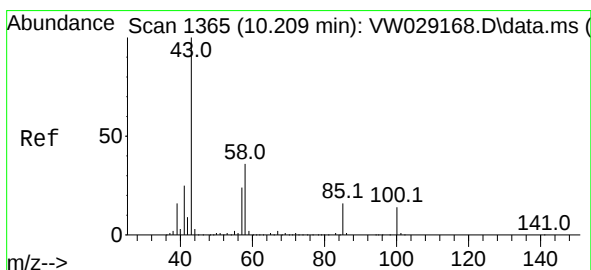
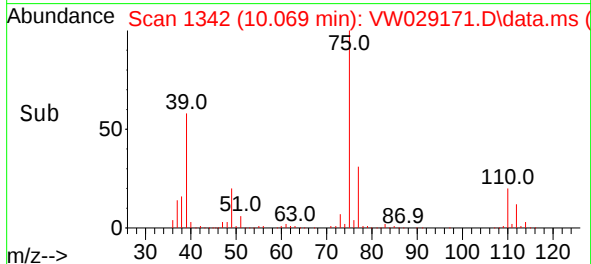
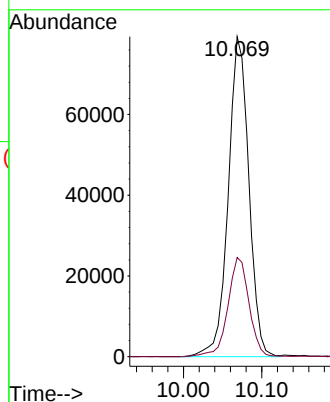
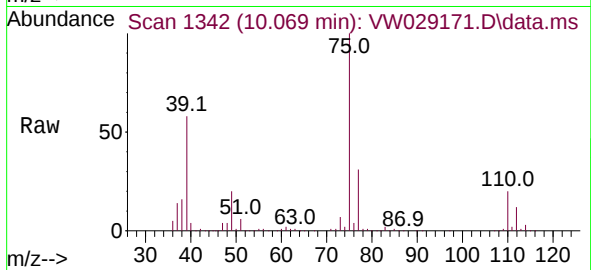




#39  
cis-1,3-Dichloropropene  
Concen: 24.807 ug/L  
RT: 10.069 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

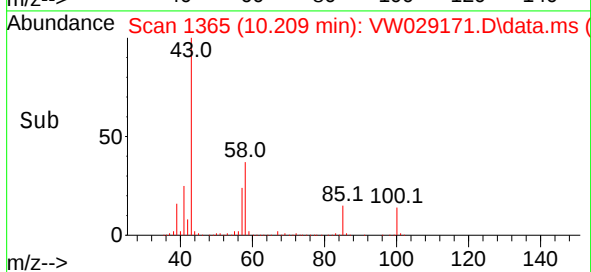
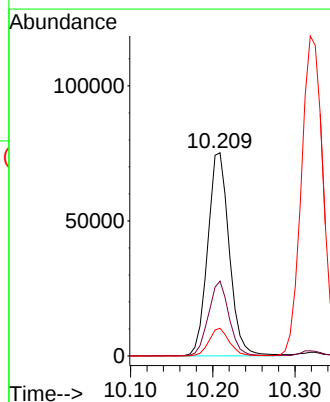
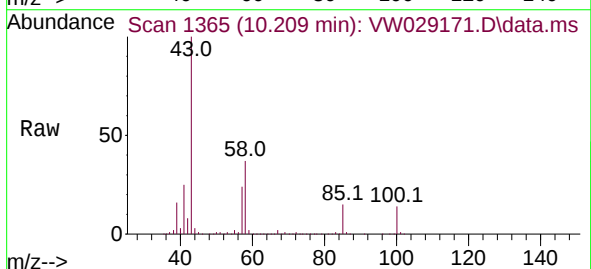
Instrument :  
MSVOA\_W  
ClientSampleId :

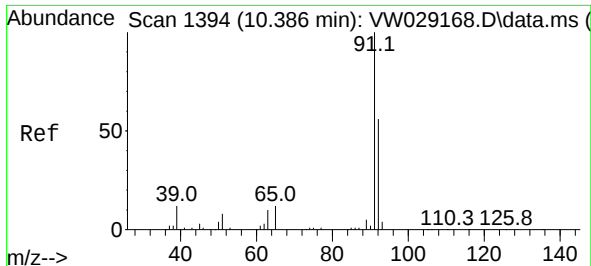
Tgt Ion: 75 Resp: 144718  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.7 42.1



#40  
4-Methyl-2-pentanone  
Concen: 53.640 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion: 43 Resp: 137205  
Ion Ratio Lower Upper  
43 100  
58 35.6 28.2 42.4  
100 13.0 11.0 16.4

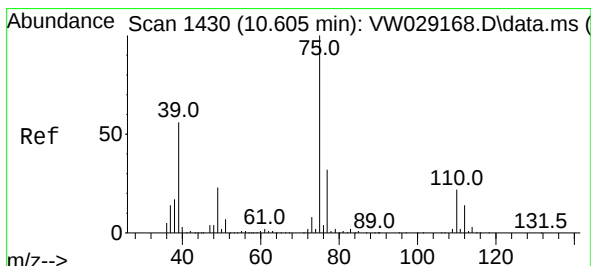
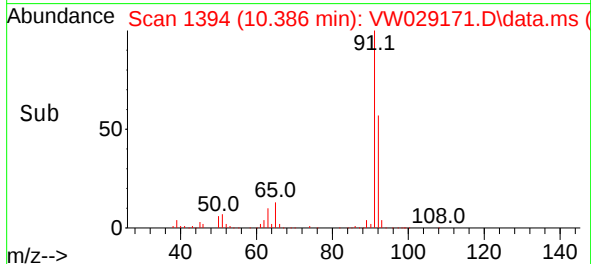
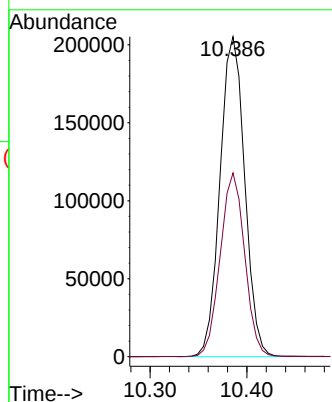
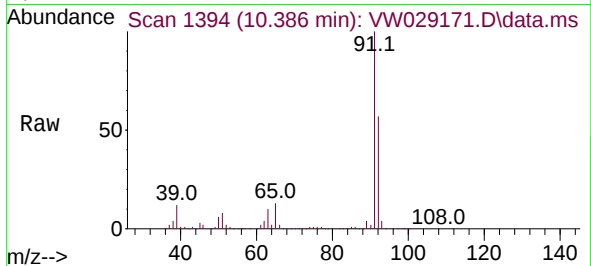




#42  
Toluene  
Concen: 24.096 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

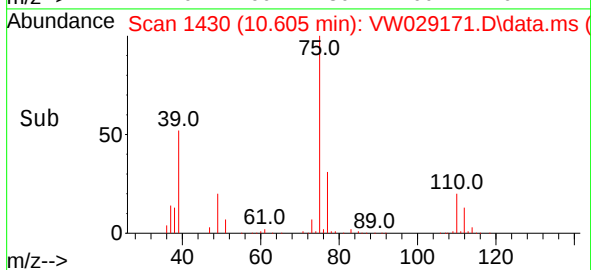
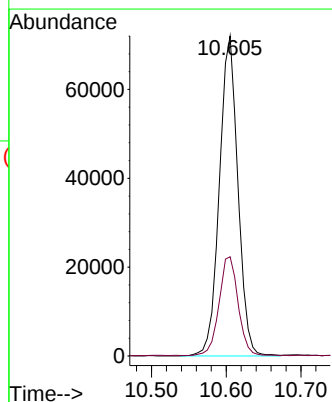
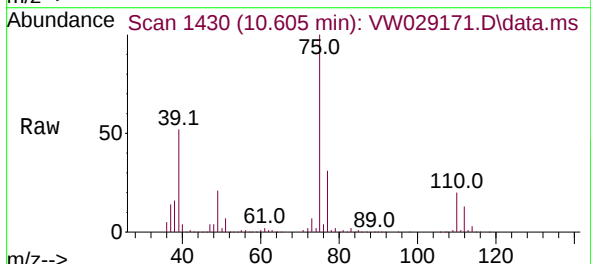
Instrument :  
MSVOA\_W  
ClientSampleId :

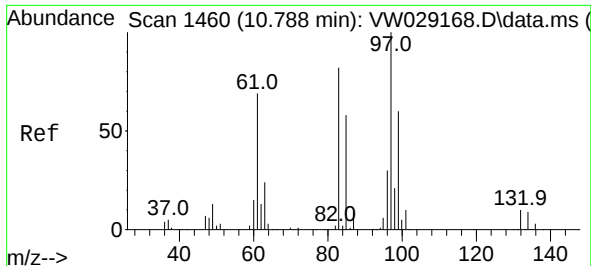
Tgt Ion: 91 Resp: 363820  
Ion Ratio Lower Upper  
91 100  
92 57.4 39.3 73.1



#44  
trans-1,3-Dichloropropene  
Concen: 25.170 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion: 75 Resp: 123986  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 24.417 ug/L

RT: 10.782 min Scan# 1460

Delta R.T. -0.006 min

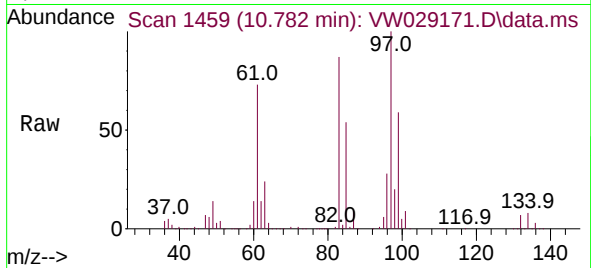
Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 97 Resp: 70181

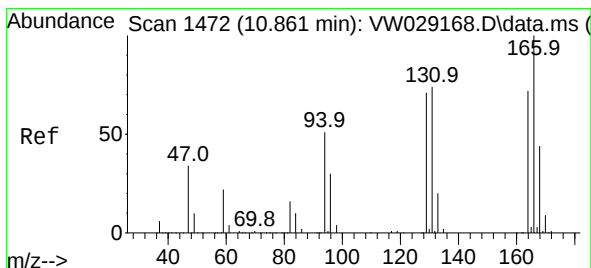
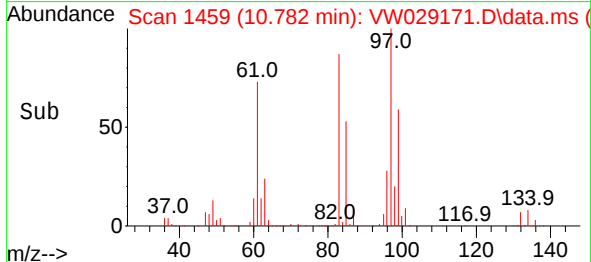
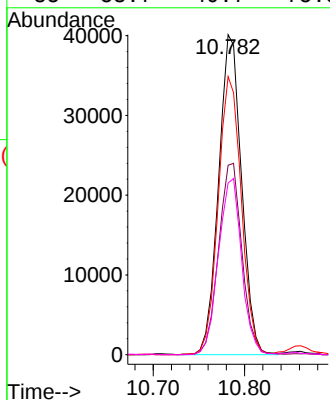
Ion Ratio Lower Upper

97 100

99 59.2 42.3 78.5

83 86.9 57.7 107.1

85 53.7 40.7 75.5



#46

Tetrachloroethene

Concen: 23.244 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Tgt Ion:164 Resp: 63668

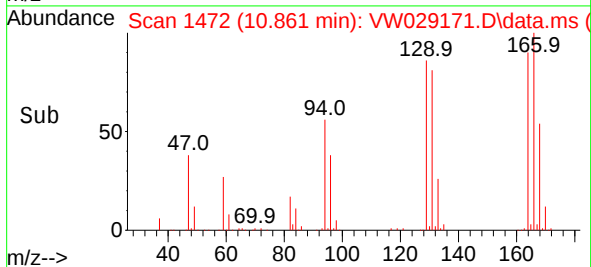
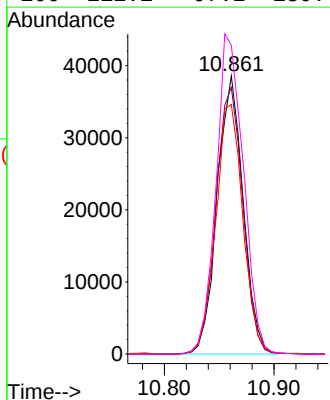
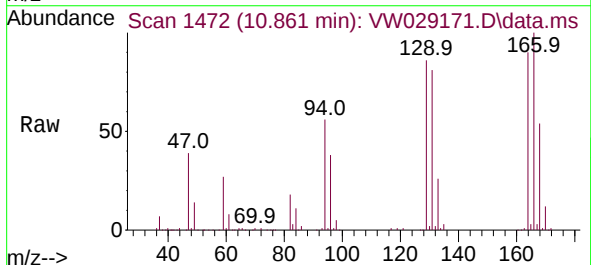
Ion Ratio Lower Upper

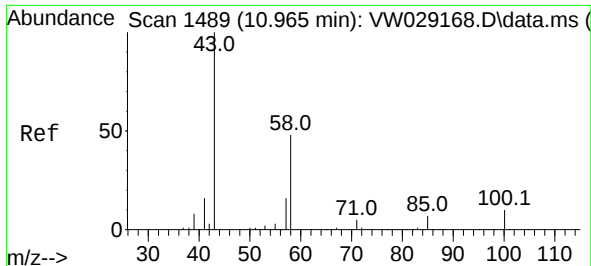
164 100

129 95.9 68.5 127.3

131 89.7 71.8 133.4

166 111.1 97.2 180.4





#48

2-Hexanone

Concen: 54.909 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 43 Resp: 99662

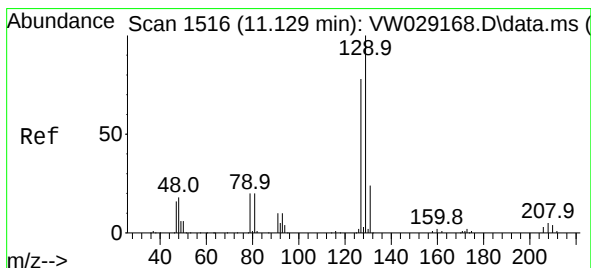
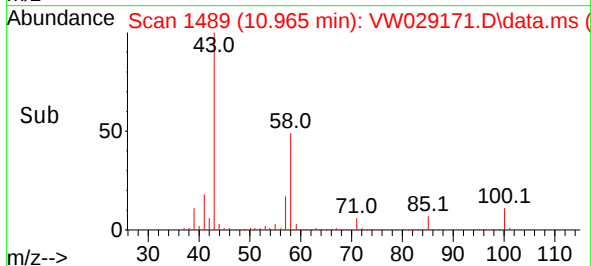
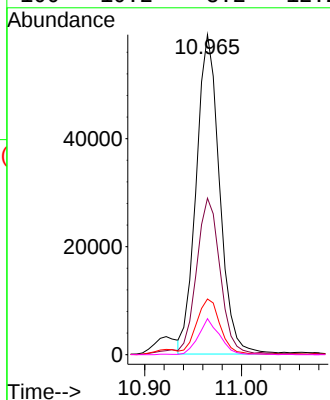
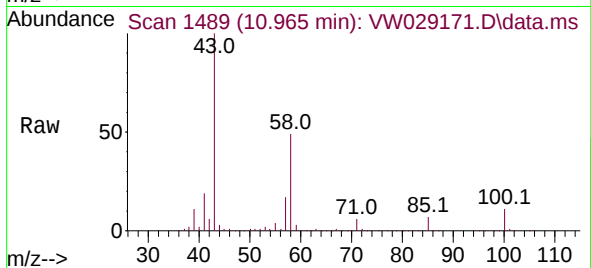
Ion Ratio Lower Upper

43 100

58 49.7 39.6 59.4

57 17.9 14.6 21.8

100 10.2 8.2 12.2



#49

Dibromochloromethane

Concen: 23.692 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW029171.D

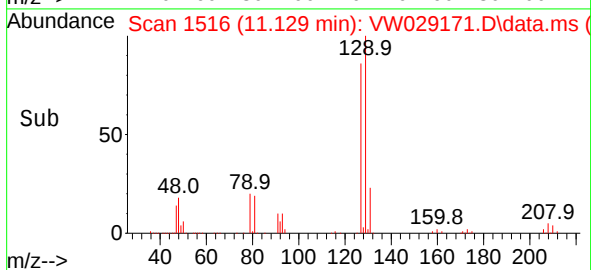
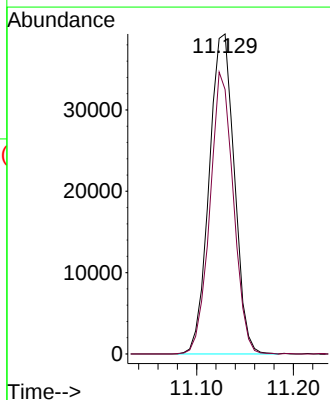
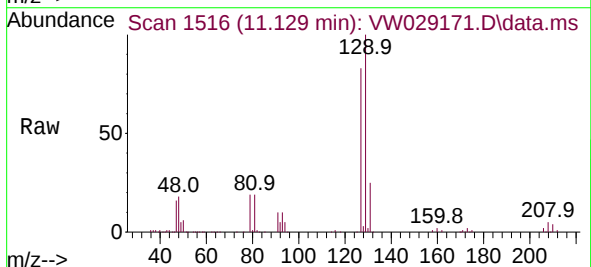
Acq: 18 Jun 2024 11:55

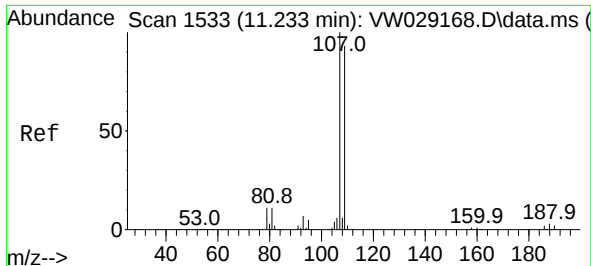
Tgt Ion:129 Resp: 71185

Ion Ratio Lower Upper

129 100

127 82.6 54.8 101.8





#50

1,2-Dibromoethane

Concen: 25.021 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW029171.D

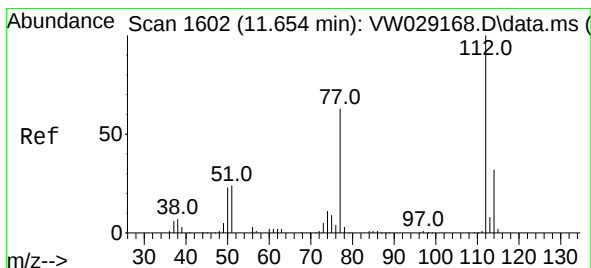
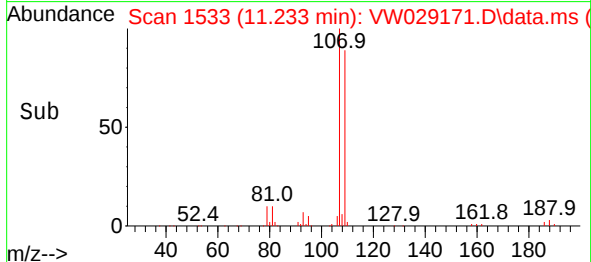
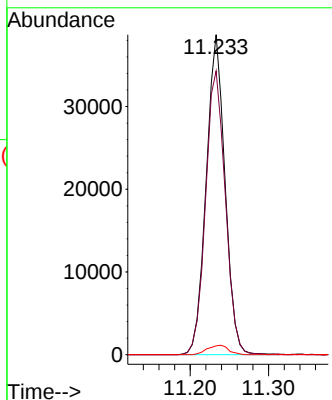
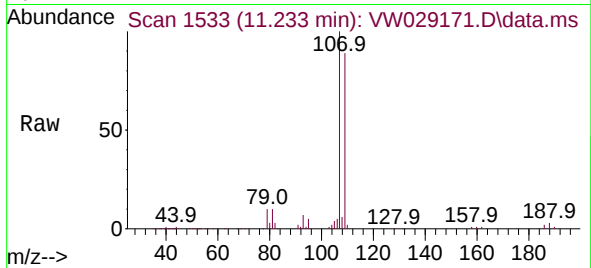
Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 64558 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 109       | 88.7  | 65.5  | 121.6 |
| 188       | 2.7   | 2.6   | 4.0   |



#51

Chlorobenzene

Concen: 23.055 ug/L

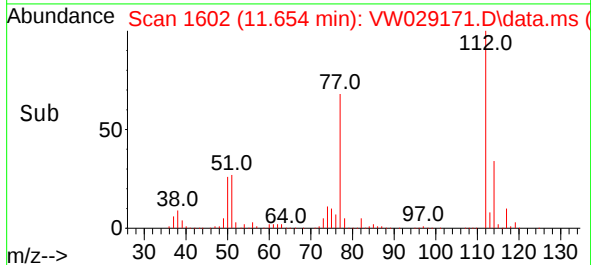
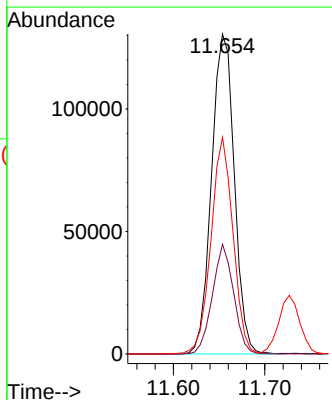
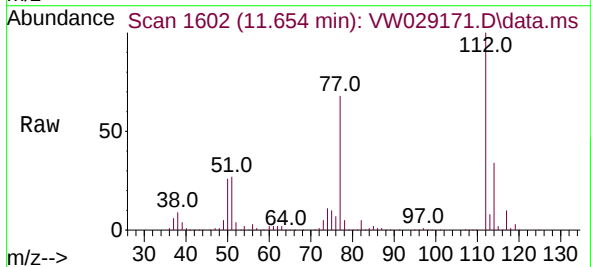
RT: 11.654 min Scan# 1602

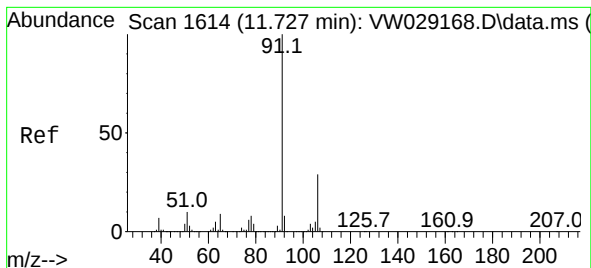
Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 226044 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 114       | 34.3  | 22.6  | 42.0   |
| 77        | 67.7  | 51.0  | 76.6   |





#52

Ethylbenzene

Concen: 23.868 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

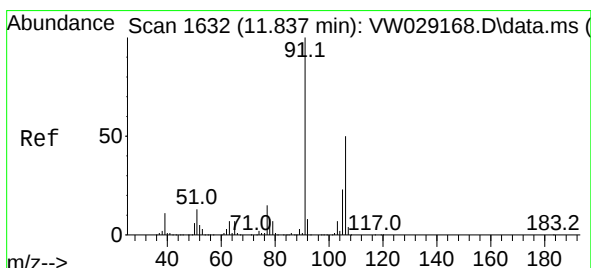
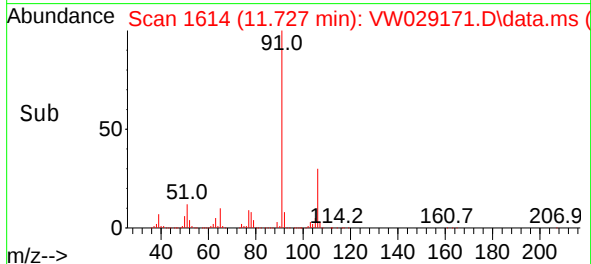
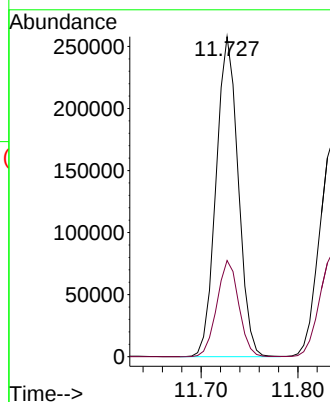
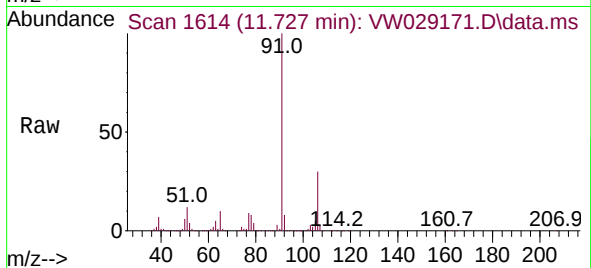
ClientSampleId :

Tgt Ion: 91 Resp: 409074

Ion Ratio Lower Upper

91 100

106 30.1 19.9 37.0



#53

m,p-Xylene

Concen: 24.367 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW029171.D

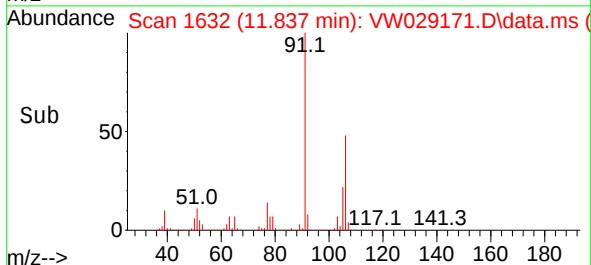
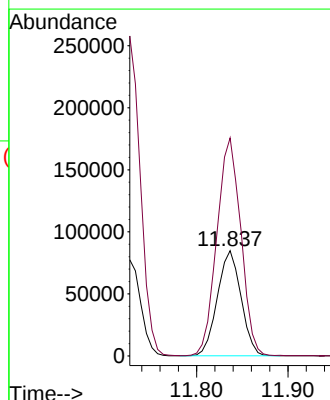
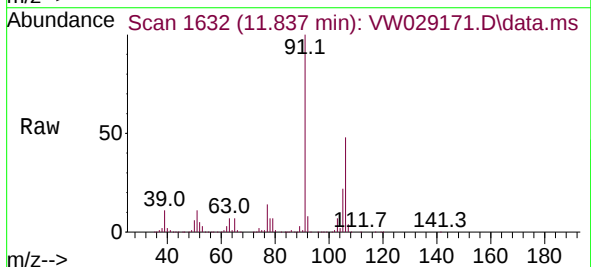
Acq: 18 Jun 2024 11:55

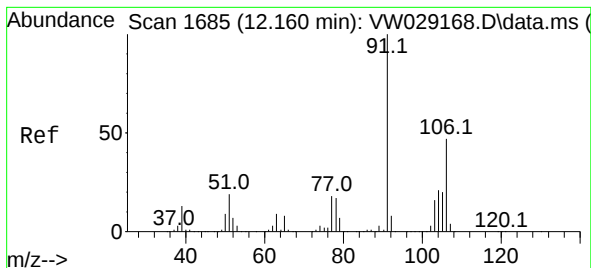
Tgt Ion:106 Resp: 152542

Ion Ratio Lower Upper

106 100

91 207.1 140.5 260.9





#54

o-Xylene

Concen: 24.546 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

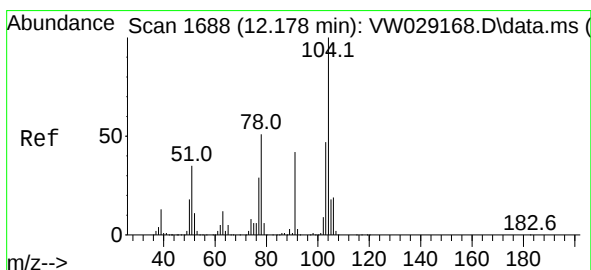
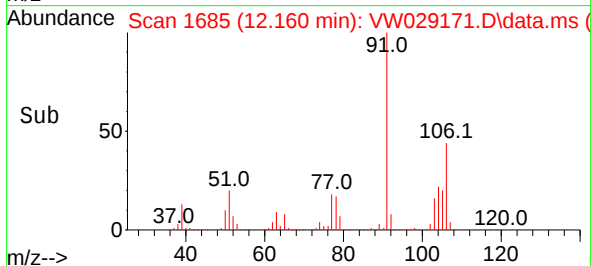
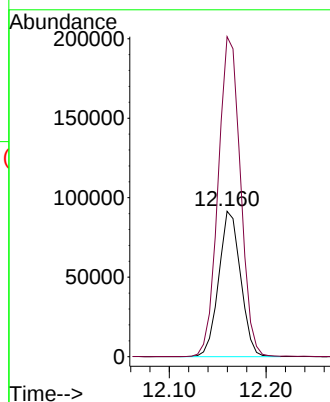
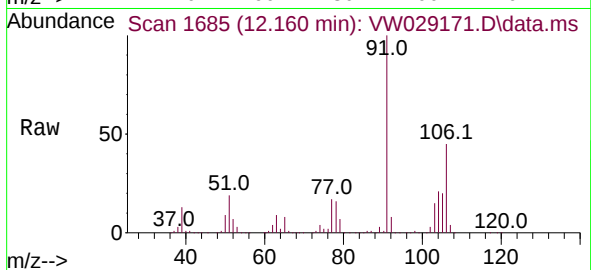
ClientSampleId :

Tgt Ion:106 Resp: 143612

Ion Ratio Lower Upper

106 100

91 220.0 149.9 278.5



#55

Styrene

Concen: 24.929 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW029171.D

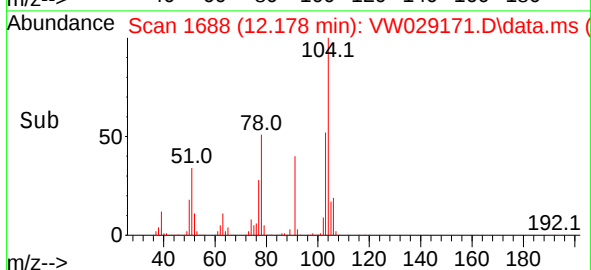
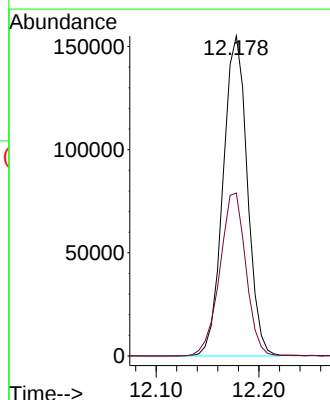
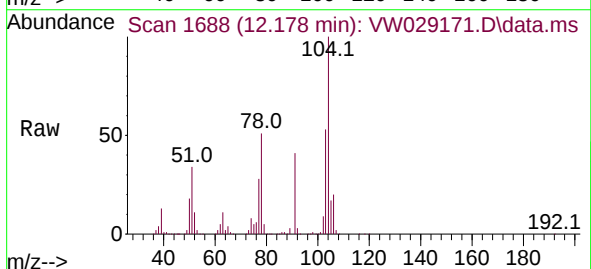
Acq: 18 Jun 2024 11:55

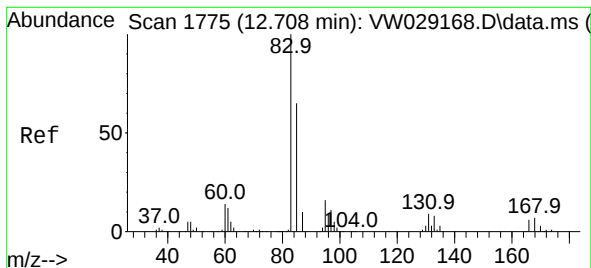
Tgt Ion:104 Resp: 254308

Ion Ratio Lower Upper

104 100

78 50.9 35.4 65.7

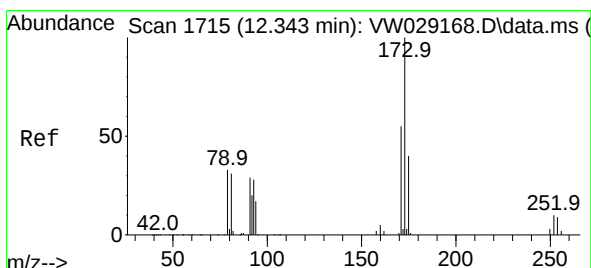
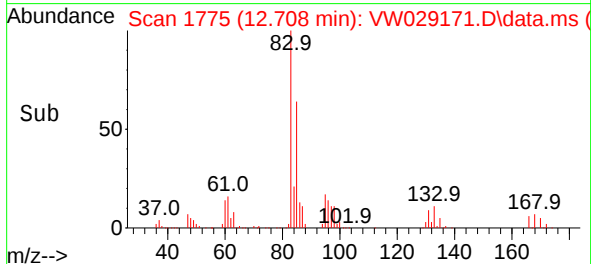
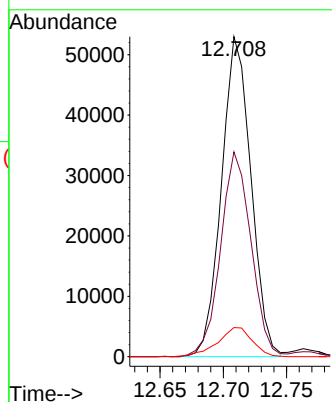
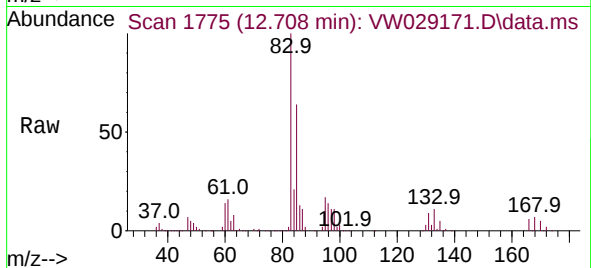




#57  
1,1,2,2-Tetrachloroethane  
Concen: 24.146 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

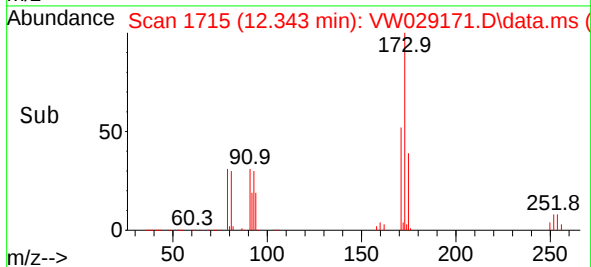
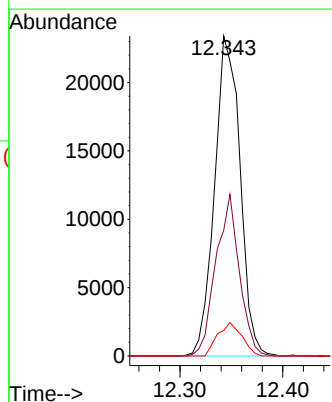
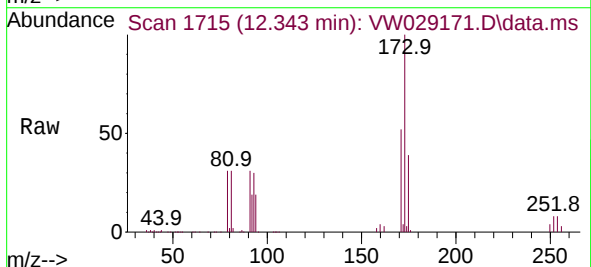
Instrument :  
MSVOA\_W  
ClientSampleId :

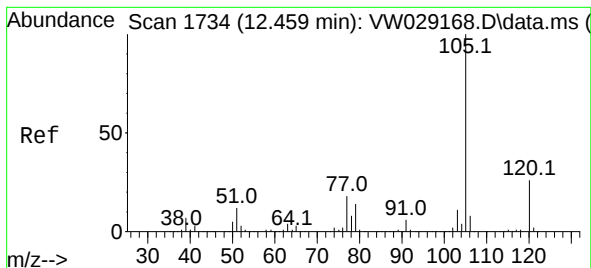
Tgt Ion: 83 Resp: 85847  
Ion Ratio Lower Upper  
83 100  
85 64.0 45.8 85.0  
131 9.1 7.8 11.6



#59  
Bromoform  
Concen: 23.782 ug/L  
RT: 12.343 min Scan# 1715  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion:173 Resp: 40234  
Ion Ratio Lower Upper  
173 100  
175 46.7 37.8 56.8  
254 9.9 7.8 11.6





#60

Isopropylbenzene

Concen: 24.194 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

ClientSampleId :

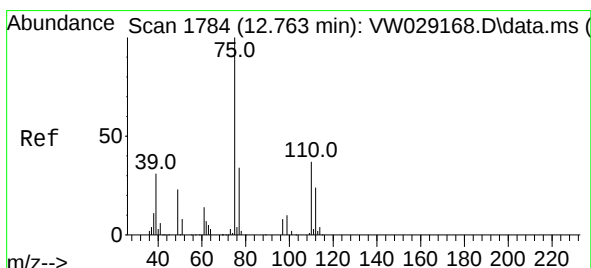
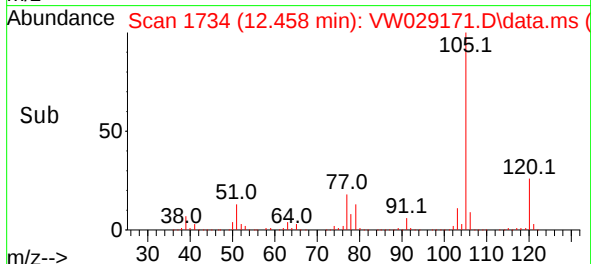
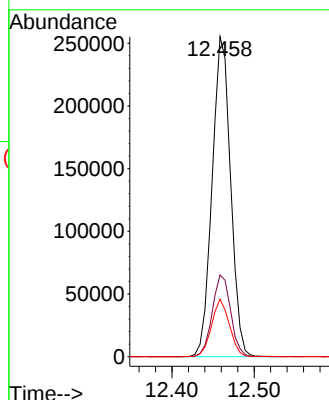
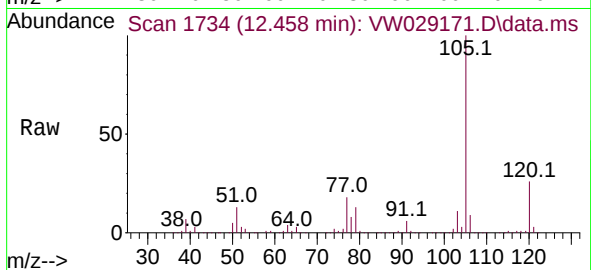
Tgt Ion:105 Resp: 397925

Ion Ratio Lower Upper

105 100

120 25.4 20.5 30.7

77 17.2 13.6 20.4



#61

1,2,3-Trichloropropane

Concen: 24.326 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

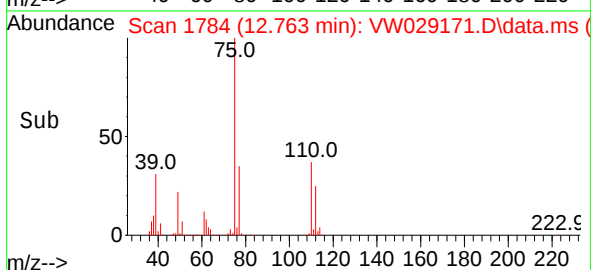
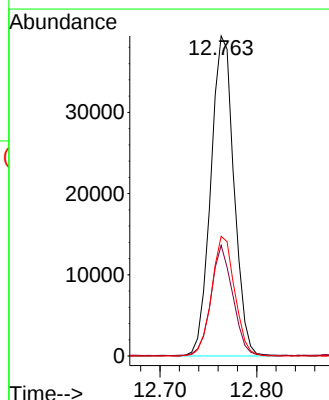
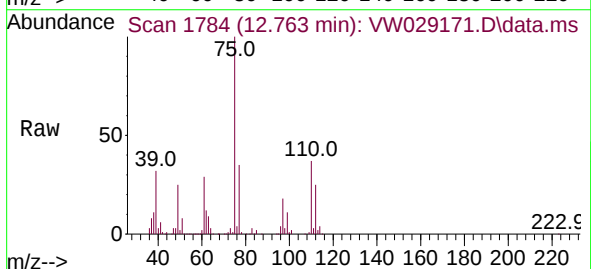
Tgt Ion: 75 Resp: 65493

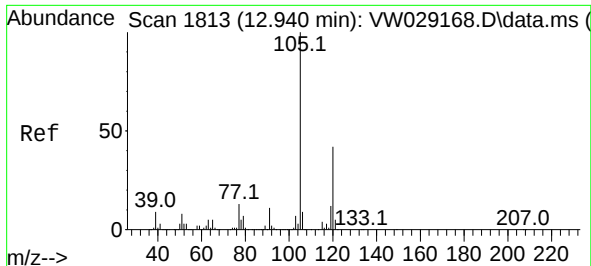
Ion Ratio Lower Upper

75 100

77 32.7 26.6 39.8

110 37.1 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 24.622 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

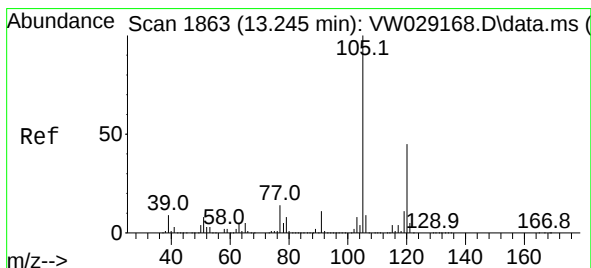
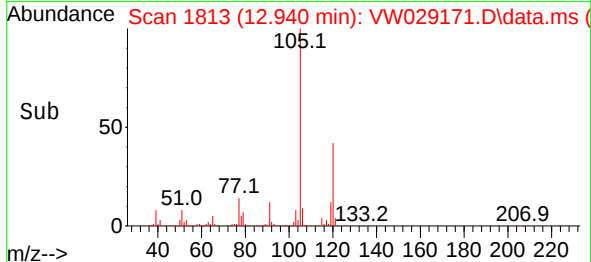
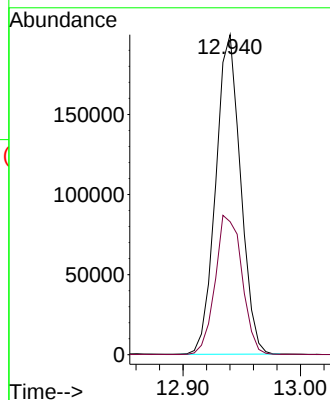
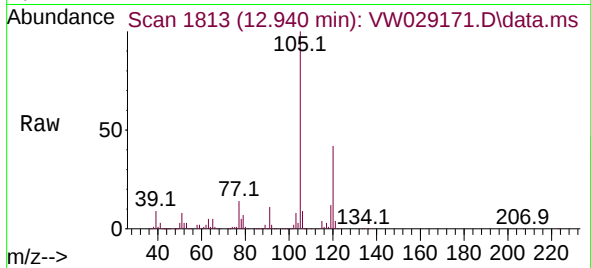
ClientSampleId :

Tgt Ion:105 Resp: 293283

Ion Ratio Lower Upper

105 100

120 46.9 36.4 54.6



#63

1,2,4-Trimethylbenzene

Concen: 24.677 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW029171.D

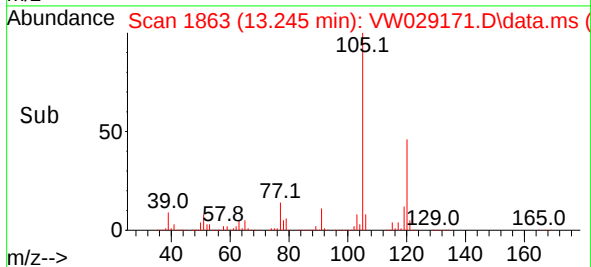
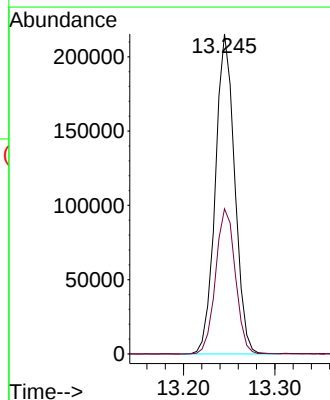
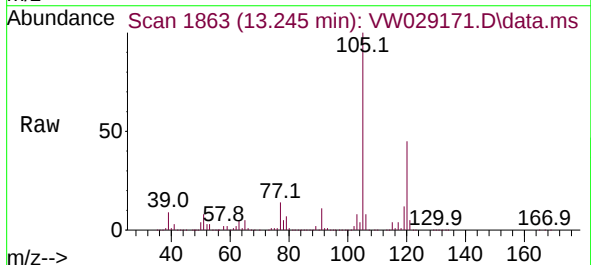
Acq: 18 Jun 2024 11:55

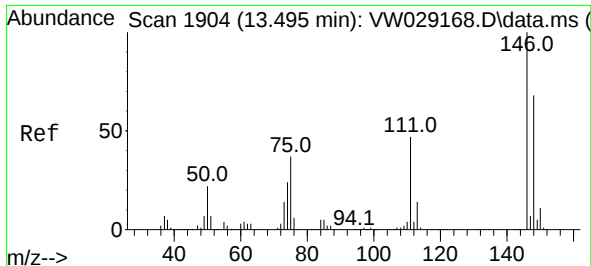
Tgt Ion:105 Resp: 316268

Ion Ratio Lower Upper

105 100

120 46.3 34.9 52.3

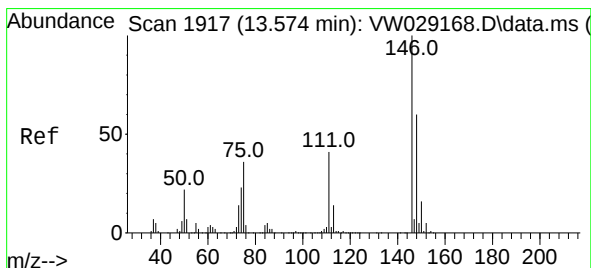
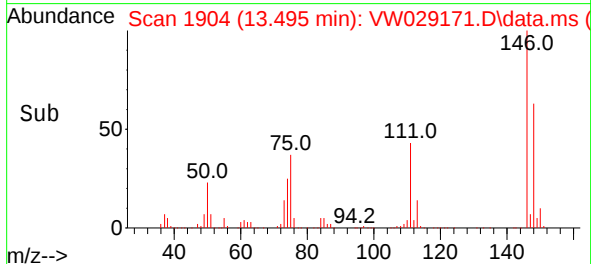
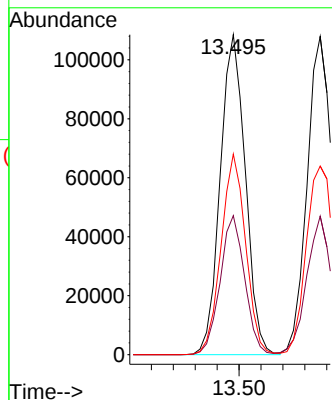
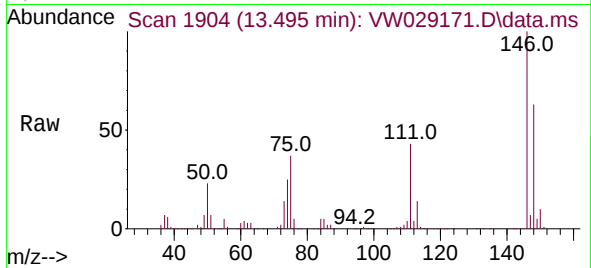




#64  
1,3-Dichlorobenzene  
Concen: 24.258 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

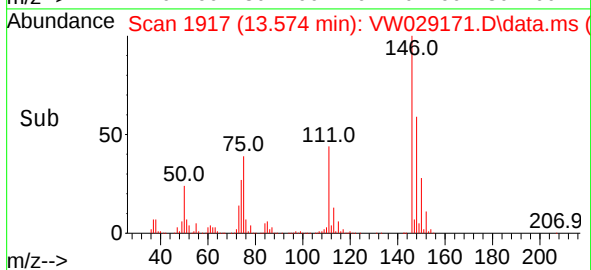
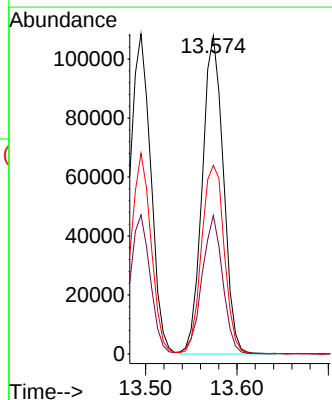
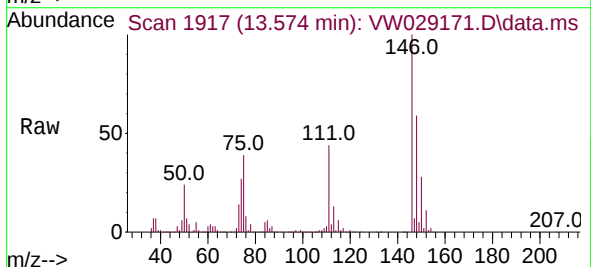
Instrument :  
MSVOA\_W  
ClientSampleId :

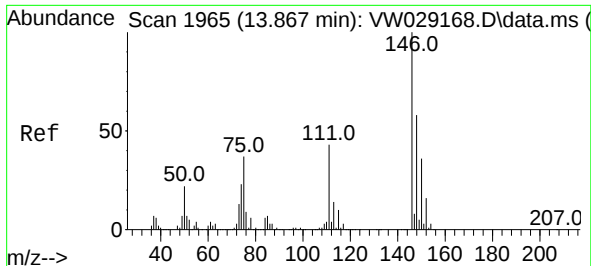
Tgt Ion:146 Resp: 172657  
Ion Ratio Lower Upper  
146 100  
111 43.5 33.0 61.2  
148 62.7 47.5 88.1



#65  
1,4-Dichlorobenzene  
Concen: 22.855 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion:146 Resp: 173080  
Ion Ratio Lower Upper  
146 100  
111 43.6 28.9 53.7  
148 59.3 42.0 78.0

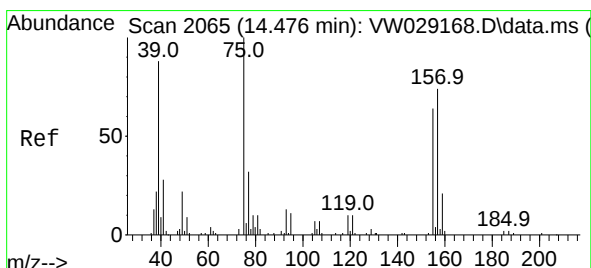
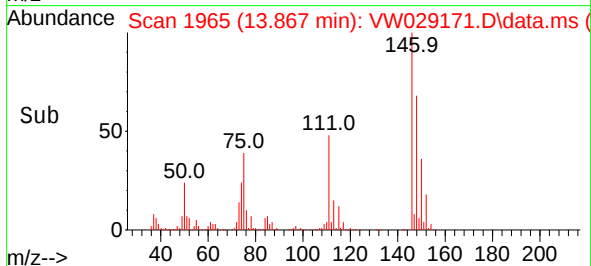
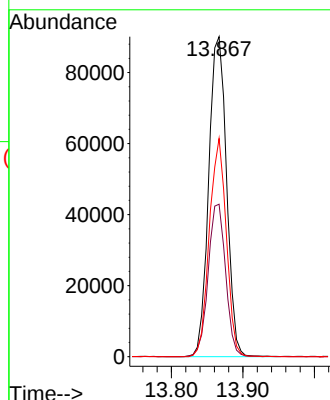
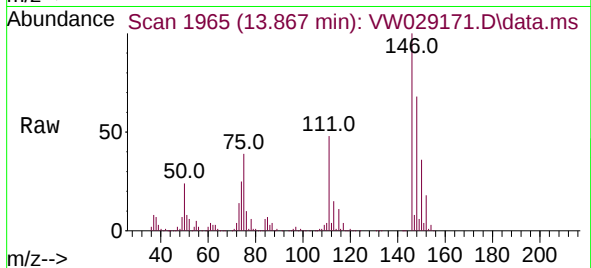




#67  
1,2-Dichlorobenzene  
Concen: 23.715 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

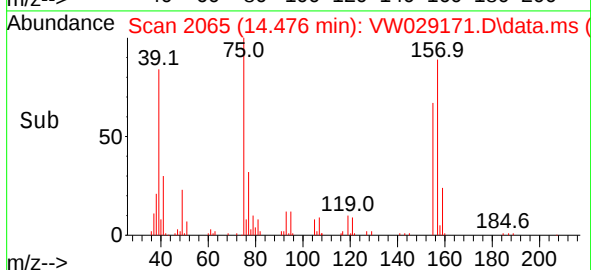
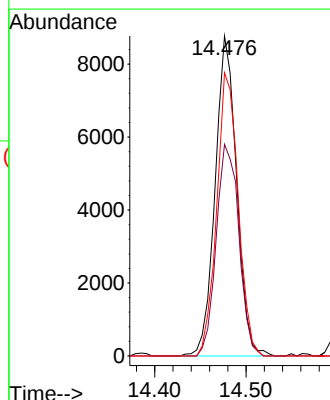
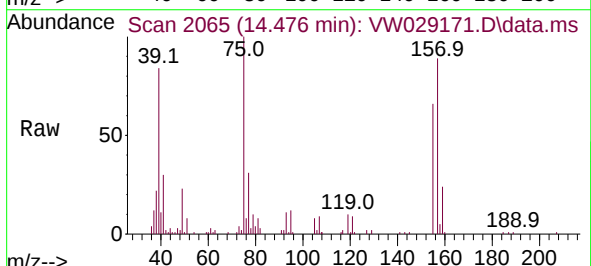
Instrument :  
MSVOA\_W  
ClientSampleId :

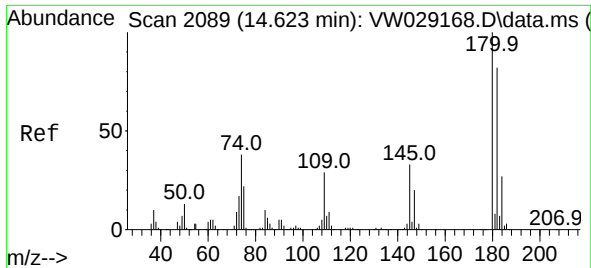
Tgt Ion:146 Resp: 156047  
Ion Ratio Lower Upper  
146 100  
111 47.7 34.2 51.4  
148 68.2 46.3 69.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 22.800 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion: 75 Resp: 14325  
Ion Ratio Lower Upper  
75 100  
155 66.1 51.0 76.6  
157 88.5 58.8 88.2#





#69

1,3,5-Trichlorobenzene

Concen: 22.665 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

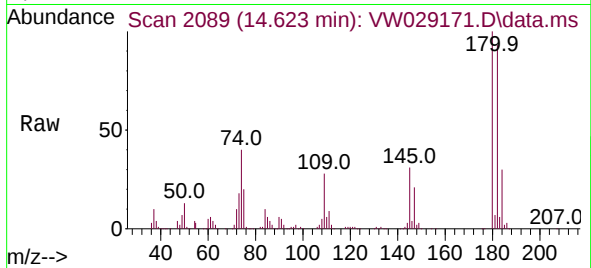
Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 108875

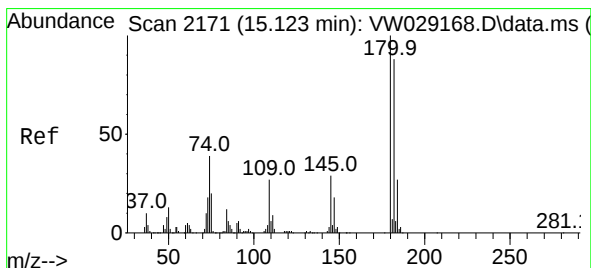
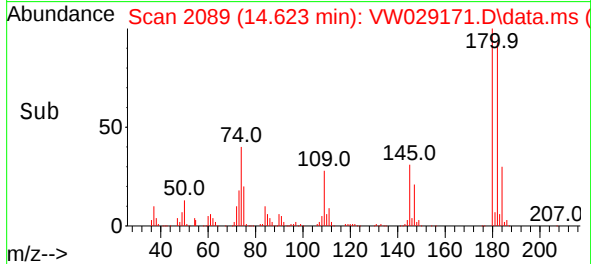
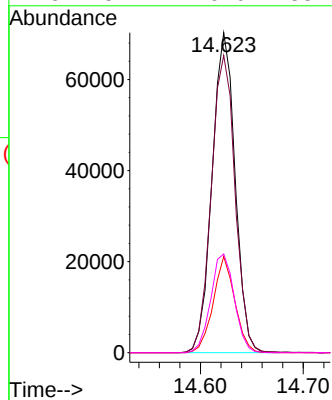
Ion Ratio Lower Upper

180 100

182 96.1 72.9 109.3

184 28.3 23.8 35.6

145 31.7 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 23.511 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW029171.D

Acq: 18 Jun 2024 11:55

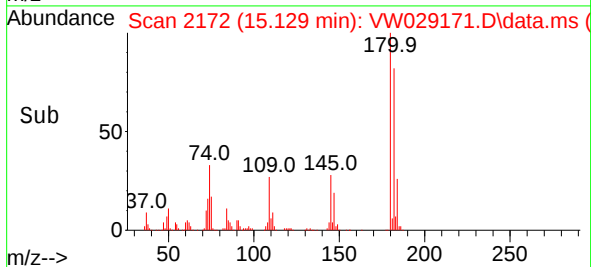
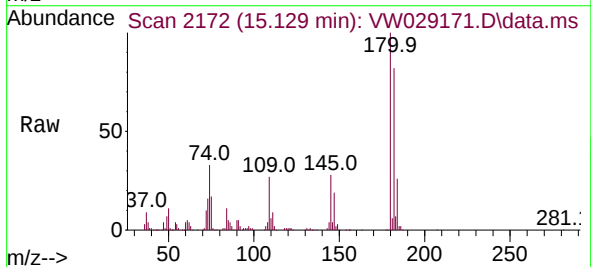
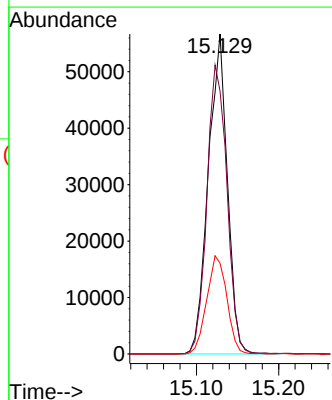
Tgt Ion:180 Resp: 91552

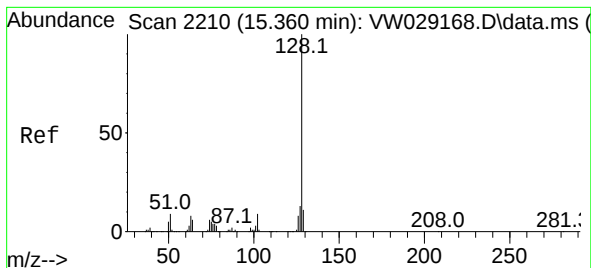
Ion Ratio Lower Upper

180 100

182 94.5 77.7 116.5

145 32.3 25.7 38.5

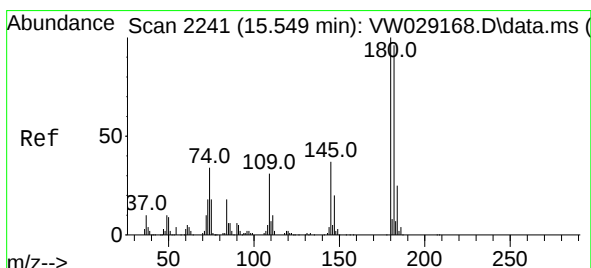
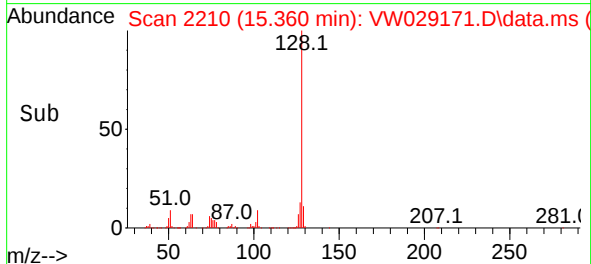
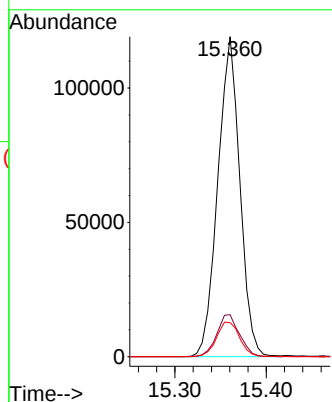
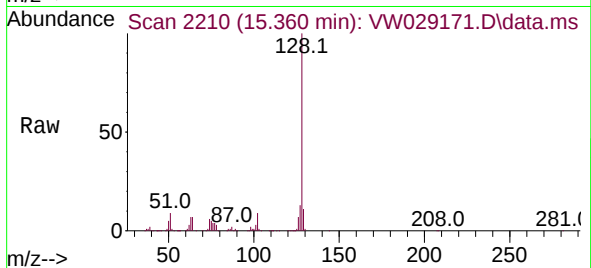




#71  
Naphthalene  
Concen: 26.001 ug/L  
RT: 15.360 min Scan# 2210  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 199831  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.3 15.5  
129 11.4 8.9 13.3



#72  
1,2,3-Trichlorobenzene  
Concen: 23.519 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. -0.000 min  
Lab File: VW029171.D  
Acq: 18 Jun 2024 11:55

Tgt Ion:180 Resp: 83447  
Ion Ratio Lower Upper  
180 100  
182 100.2 73.0 109.6  
145 35.5 28.1 42.1

