

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071524\  
 Data File : VW029583.D  
 Acq On : 15 Jul 2024 18:26  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.30g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 16 00:03:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Jul 15 23:59:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 248722   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 240044   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 113919   | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 73062    | 18.184   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 72.720%  |
| 7) Chloroethane-d5            | 2.893  | 69    | 59224    | 20.471   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 81.880%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 37538    | 20.805   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 83.240%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 64718    | 53.658   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 107.320% |
| 24) Chloroform-d              | 7.648  | 84    | 180816   | 25.147   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 100.600% |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 112253   | 26.616   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 106.480% |
| 32) Benzene-d6                | 8.270  | 84    | 345549   | 24.030   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 96.120%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 114863   | 24.982   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 99.920%  |
| 41) Toluene-d8                | 10.325 | 98    | 307211   | 24.292   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 97.160%  |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 43395    | 22.288   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 89.160%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 46072    | 55.145   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 110.280% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 97456    | 26.107   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 104.440% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 100407   | 25.309   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 101.240% |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.009  | 85    | 36907    | 15.154   | ug/L  | 89       |
| 3) Chloromethane              | 2.223  | 50    | 68771    | 21.104   | ug/L  | 95       |
| 5) Vinyl chloride             | 2.375  | 62    | 72753    | 19.564   | ug/L  | 94       |
| 6) Bromomethane               | 2.783  | 94    | 46406    | 21.076   | ug/L  | 98       |
| 8) Chloroethane               | 2.930  | 64    | 50383    | 22.018   | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 3.259  | 101   | 64833    | 19.368   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.058  | 101   | 68926    | 20.923   | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 69087    | 22.336   | ug/L  | 83       |
| 13) Acetone                   | 4.125  | 43    | 35872    | 29.467   | ug/L  | 96       |
| 14) Carbon disulfide          | 4.399  | 76    | 201910   | 20.101   | ug/L  | 98       |
| 15) Methyl Acetate            | 4.673  | 43    | 53290    | 24.933   | ug/L  | 100      |
| 16) Methylene chloride        | 4.923  | 84    | 85134    | 19.119   | ug/L  | 96       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 80125    | 23.400   | ug/L  | 93       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 155351   | 26.666   | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 178051   | 25.320   | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 95856    | 25.601   | ug/L  | 95       |
| 22) 2-Butanone                | 7.173  | 43    | 69193    | 43.295   | ug/L  | 100      |
| 23) Bromochloromethane        | 7.514  | 128   | 41941    | 24.903   | ug/L  | 95       |
| 25) Chloroform                | 7.679  | 83    | 176264   | 25.906   | ug/L  | 99       |

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 ALS Vial : 19 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 16 00:03:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM070824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Jul 15 23:59:48 2024  
 Response via : Initial Calibration

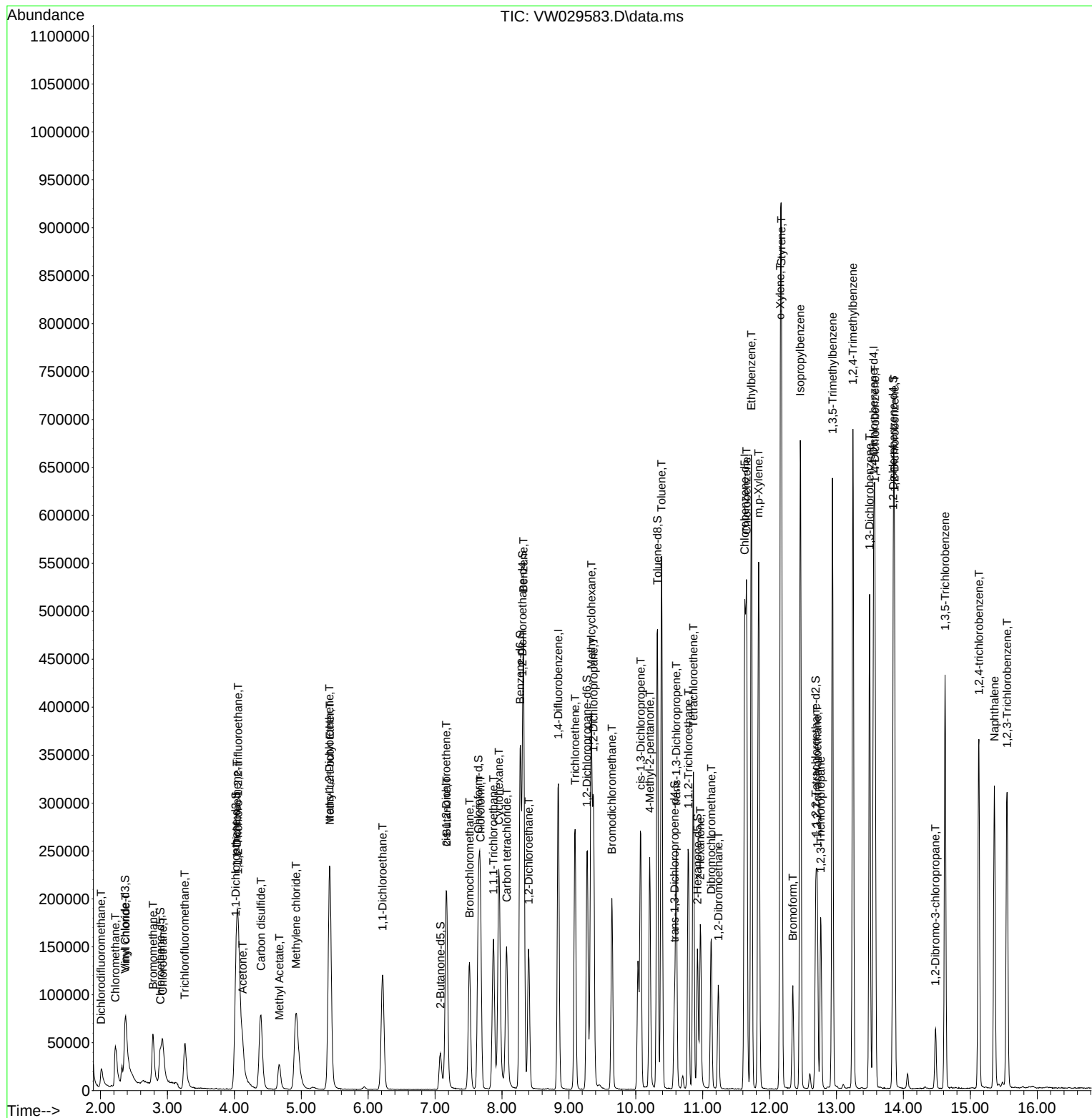
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 134415   | 26.339 | ug/L  | 97       |
| 29) Cyclohexane               | 7.953  | 56   | 139701   | 23.372 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 124954   | 22.795 | ug/L  | 97       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 111611   | 22.233 | ug/L  | 99       |
| 33) Benzene                   | 8.319  | 78   | 368533   | 24.538 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 96273    | 24.274 | ug/L  | 92       |
| 35) Methylcyclohexane         | 9.337  | 83   | 145894   | 22.886 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 107314   | 25.839 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 129623   | 25.552 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 152528   | 24.452 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 165079   | 56.399 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 389669   | 25.361 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 127752   | 23.895 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 74639    | 24.989 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 68604    | 24.347 | ug/L  | 91       |
| 48) 2-Hexanone                | 10.965 | 43   | 113864   | 51.781 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 78188    | 25.154 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 71055    | 24.963 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 241699   | 24.334 | ug/L  | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 448990   | 25.793 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 163934   | 25.653 | ug/L  | 97       |
| 54) o-Xylene                  | 12.160 | 106  | 156356   | 26.454 | ug/L  | 98       |
| 55) Styrene                   | 12.178 | 104  | 279621   | 26.904 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 96212    | 25.536 | ug/L  | 93       |
| 59) Bromoform                 | 12.349 | 173  | 45884    | 26.093 | ug/L  | 92       |
| 60) Isopropylbenzene          | 12.458 | 105  | 418543   | 26.112 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 73136    | 26.527 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 320218   | 28.085 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 351820   | 27.958 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 179134   | 24.933 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 186508   | 25.339 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 169925   | 26.164 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 17137    | 26.000 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 118100   | 25.197 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 107490   | 26.064 | ug/L  | 100      |
| 71) Naphthalene               | 15.360 | 128  | 246383   | 28.464 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 97179    | 25.935 | ug/L  | 100      |

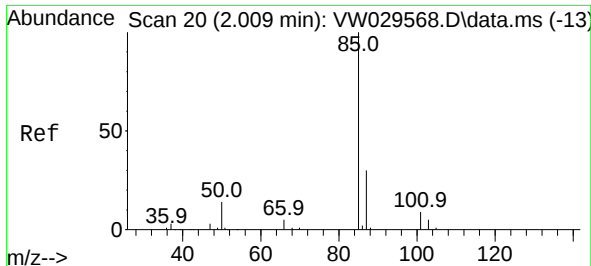
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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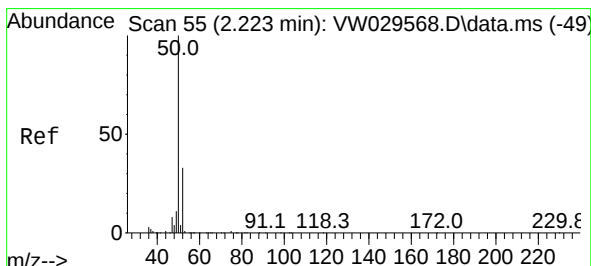
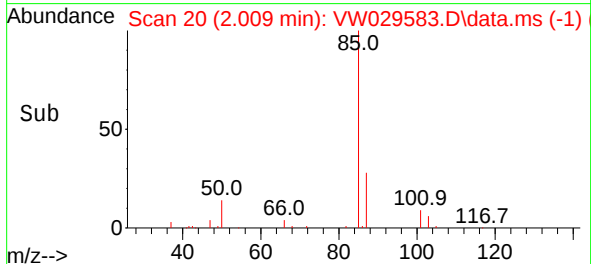
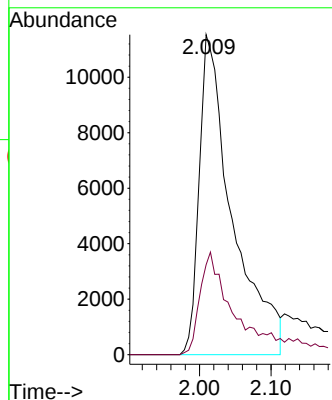
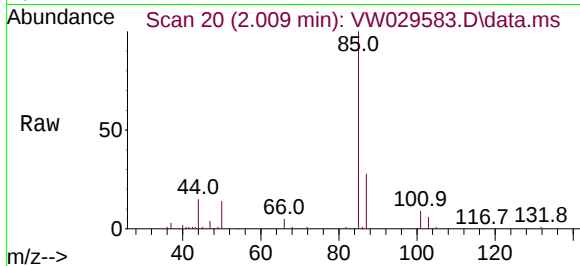




#2  
Dichlorodifluoromethane  
Concen: 15.154 ug/L  
RT: 2.009 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

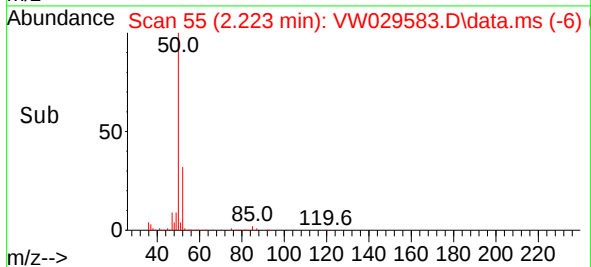
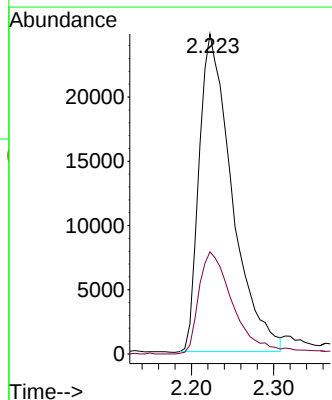
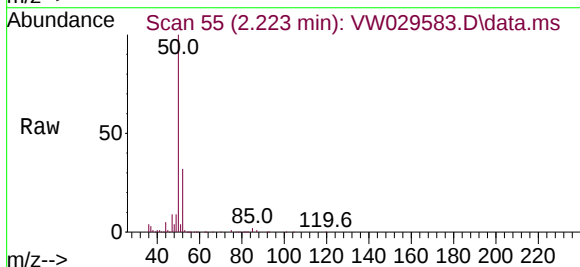
Instrument :  
MSVOA\_W  
ClientSampleId :

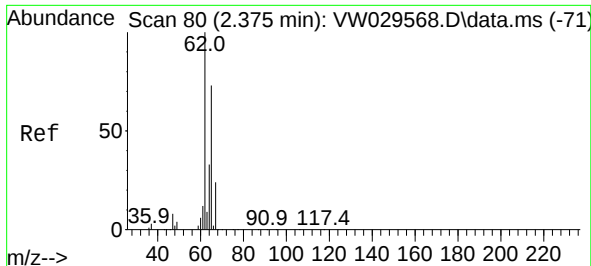
Tgt Ion: 85 Resp: 36907  
Ion Ratio Lower Upper  
85 100  
87 26.3 26.1 39.1



#3  
Chloromethane  
Concen: 21.104 ug/L  
RT: 2.223 min Scan# 55  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion: 50 Resp: 68771  
Ion Ratio Lower Upper  
50 100  
52 31.9 24.4 45.2

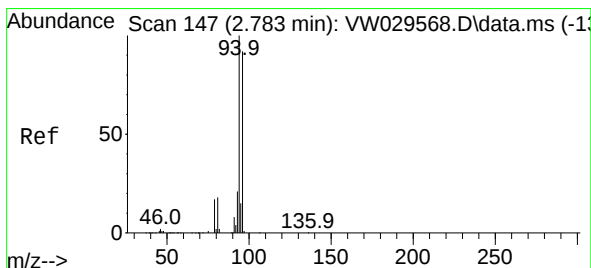
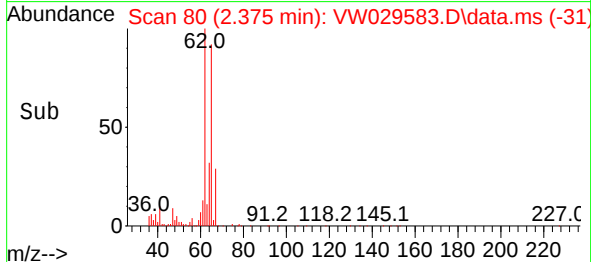
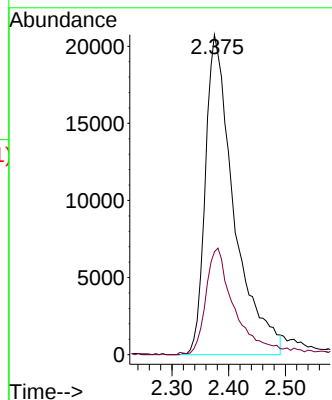
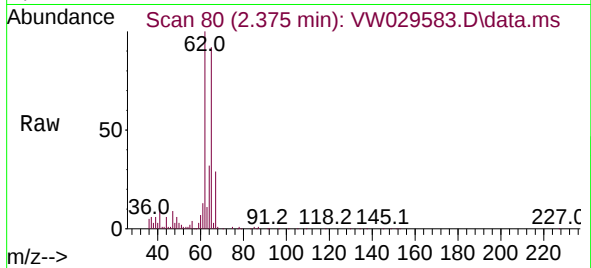




#5  
 Vinyl chloride  
 Concen: 19.564 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW029583.D  
 Acq: 15 Jul 2024 18:26

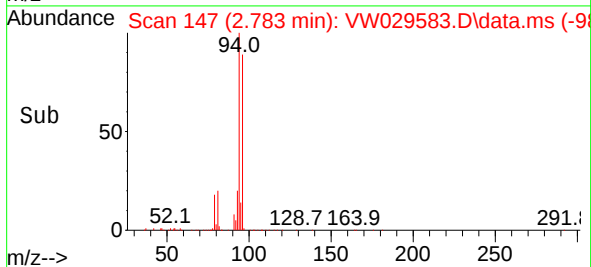
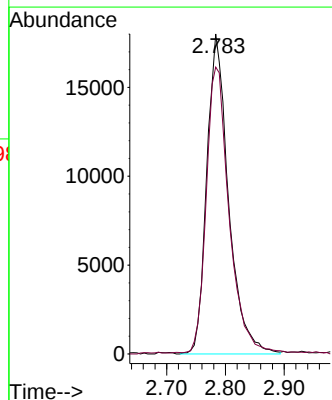
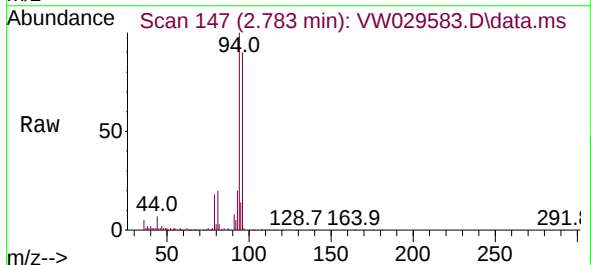
Instrument :  
 MSVOA\_W  
 ClientSampleId :

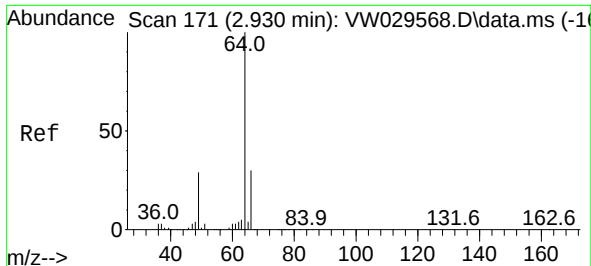
Tgt Ion: 62 Resp: 72753  
 Ion Ratio Lower Upper  
 62 100  
 64 32.1 25.1 46.5



#6  
 Bromomethane  
 Concen: 21.076 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. 0.000 min  
 Lab File: VW029583.D  
 Acq: 15 Jul 2024 18:26

Tgt Ion: 94 Resp: 46406  
 Ion Ratio Lower Upper  
 94 100  
 96 89.6 61.7 114.7

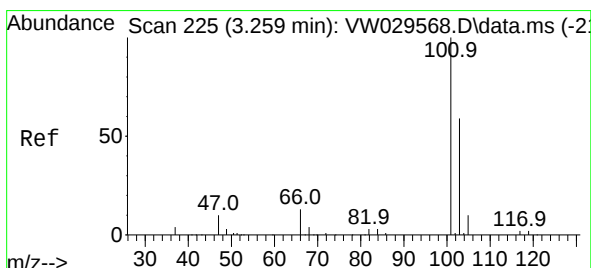
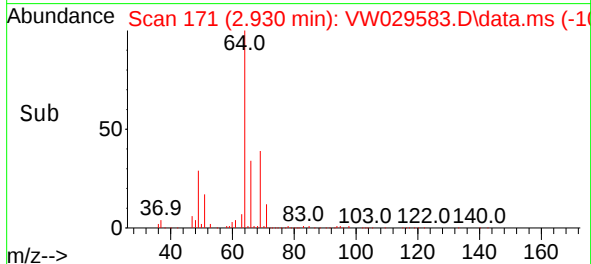
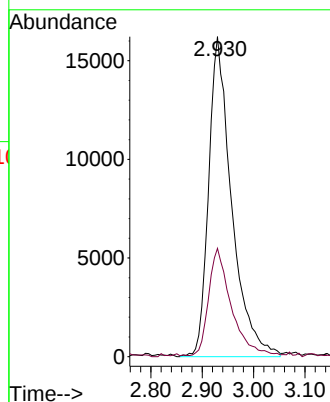
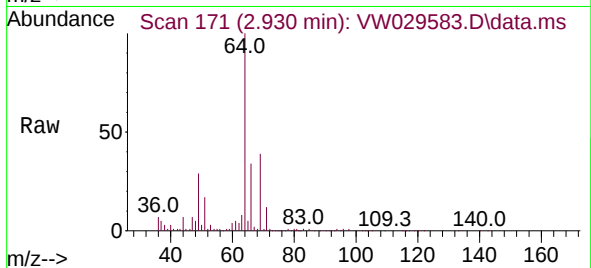




#8  
Chloroethane  
Concen: 22.018 ug/L  
RT: 2.930 min Scan# 171  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

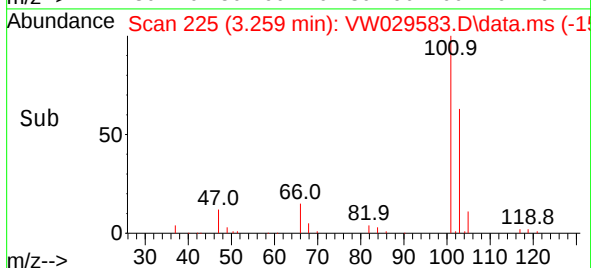
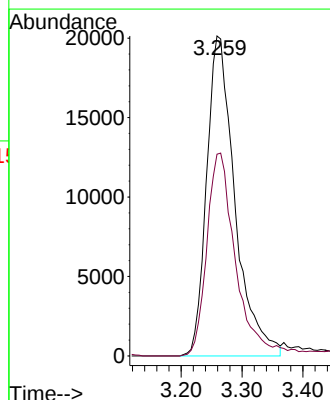
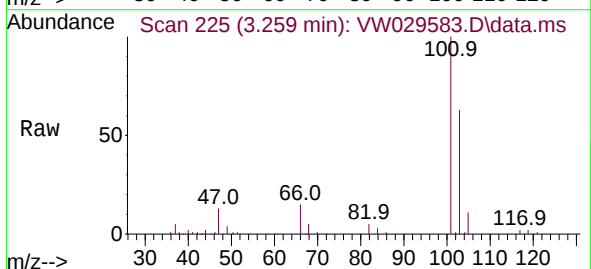
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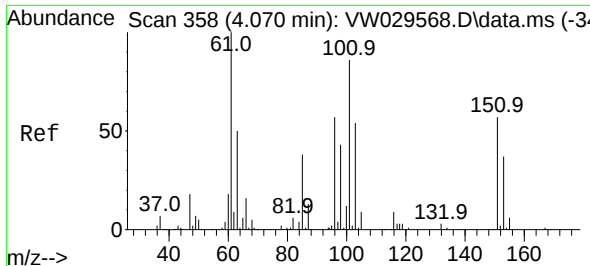
Tgt Ion: 64 Resp: 50383  
Ion Ratio Lower Upper  
64 100  
66 33.8 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 19.368 ug/L  
RT: 3.259 min Scan# 225  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion:101 Resp: 64833  
Ion Ratio Lower Upper  
101 100  
103 63.0 49.6 74.4





#10

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

Concen: 20.923 ug/L

RT: 4.058 min Scan# 356

Delta R.T. -0.012 min

Lab File: VW029583.D

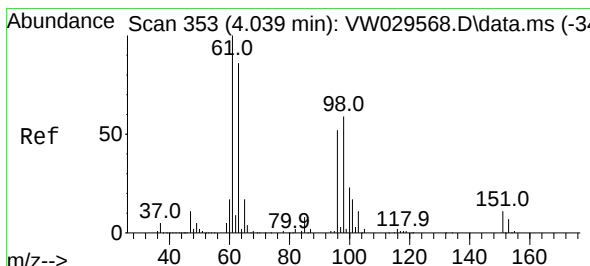
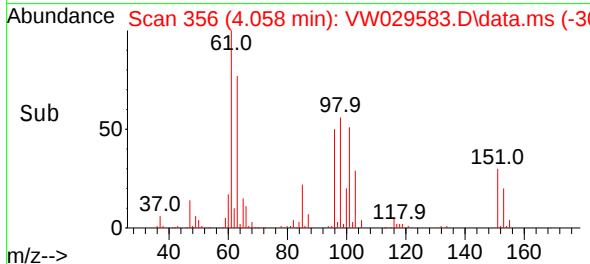
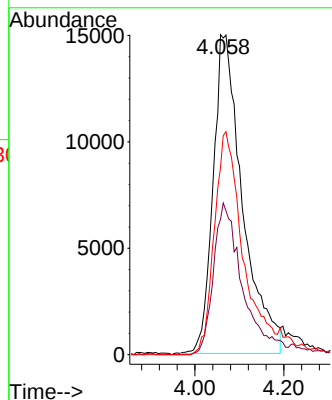
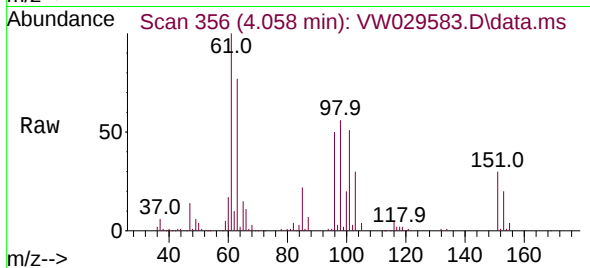
Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:101 | Resp: | 68926     |
| Ion Ratio   | Lower | Upper     |
| 101         | 100   |           |
| 85          | 46.1  | 33.8 50.8 |
| 151         | 68.0  | 55.4 83.0 |



#12

1,1-Dichloroethene

Concen: 22.336 ug/L

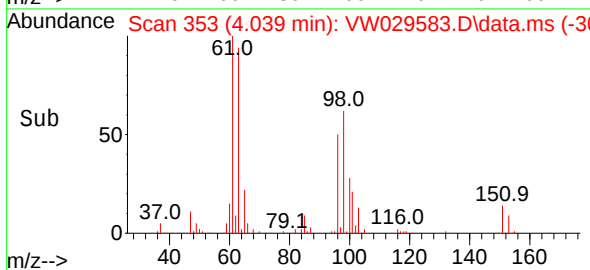
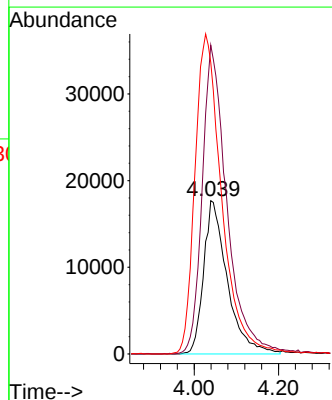
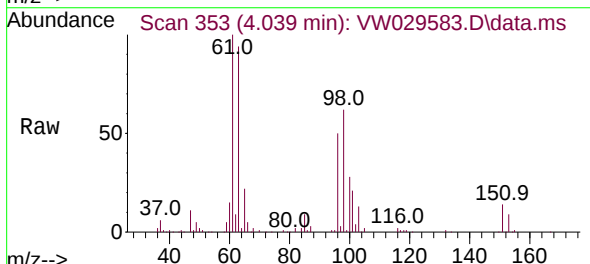
RT: 4.039 min Scan# 353

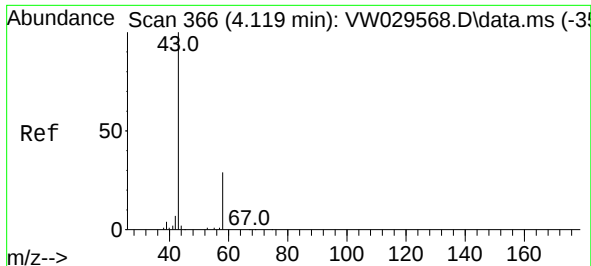
Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 96 | Resp: | 69087       |
| Ion Ratio   | Lower | Upper       |
| 96          | 100   |             |
| 61          | 201.4 | 132.4 245.8 |
| 63          | 190.2 | 108.4 201.2 |





#13

Acetone

Concen: 29.467 ug/L

RT: 4.125 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

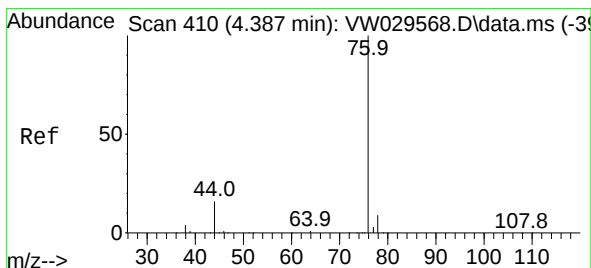
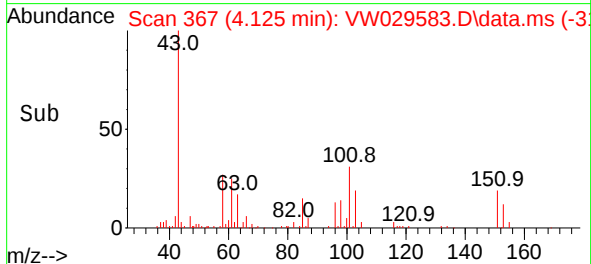
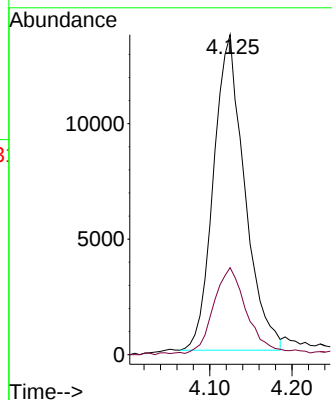
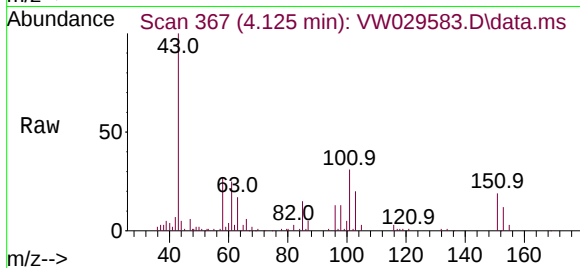
ClientSampleId :

Tgt Ion: 43 Resp: 35872

Ion Ratio Lower Upper

43 100

58 29.6 0.0 55.6



#14

Carbon disulfide

Concen: 20.101 ug/L

RT: 4.399 min Scan# 412

Delta R.T. 0.012 min

Lab File: VW029583.D

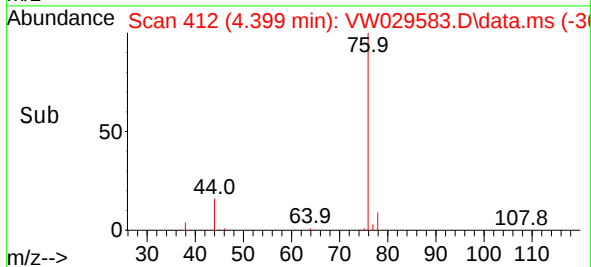
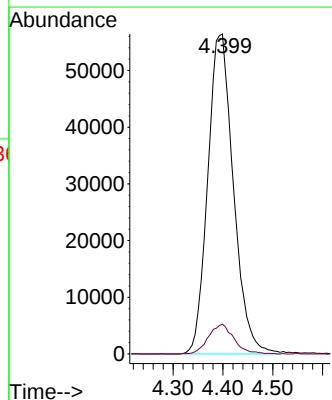
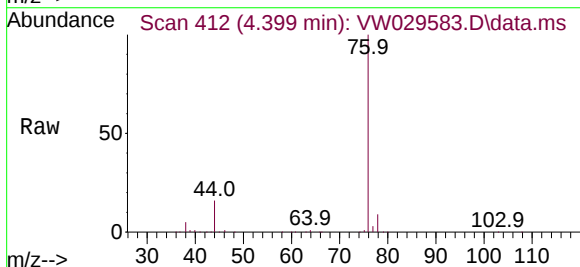
Acq: 15 Jul 2024 18:26

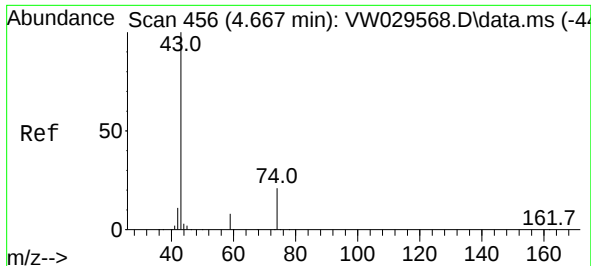
Tgt Ion: 76 Resp: 201910

Ion Ratio Lower Upper

76 100

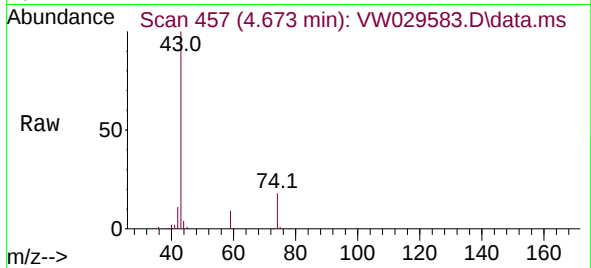
78 9.3 7.0 10.4



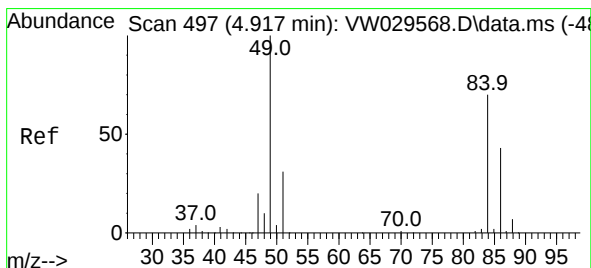
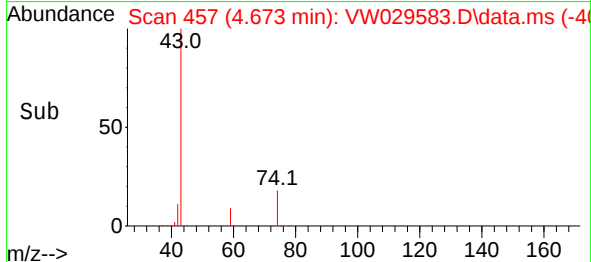
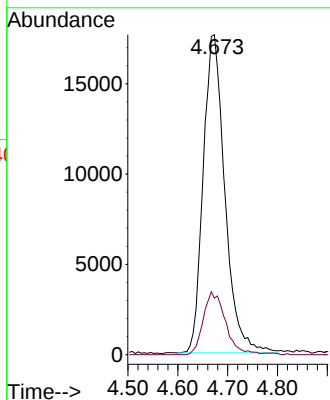


#15  
Methyl Acetate  
Concen: 24.933 ug/L  
RT: 4.673 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Instrument :  
MSVOA\_W  
ClientSampleId :

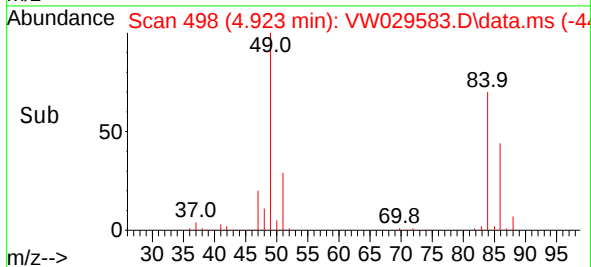
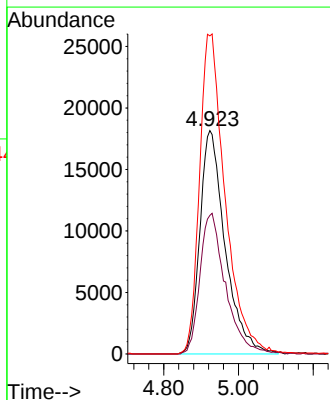
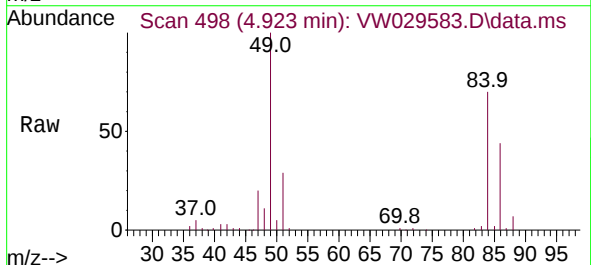


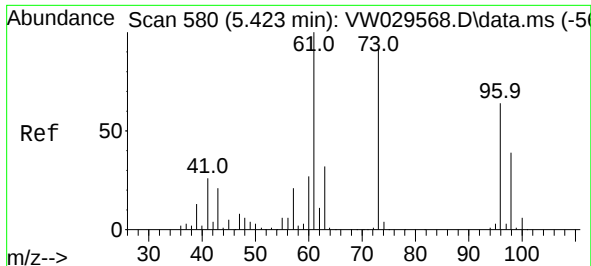
Tgt Ion: 43 Resp: 53290  
Ion Ratio Lower Upper  
43 100  
74 20.1 16.2 24.4



#16  
Methylene chloride  
Concen: 19.119 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion: 84 Resp: 85134  
Ion Ratio Lower Upper  
84 100  
86 62.0 46.2 85.8  
49 142.4 96.7 179.7





#17

trans-1,2-Dichloroethene

Concen: 23.400 ug/L

RT: 5.423 min Scan# 580

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

ClientSampleId :

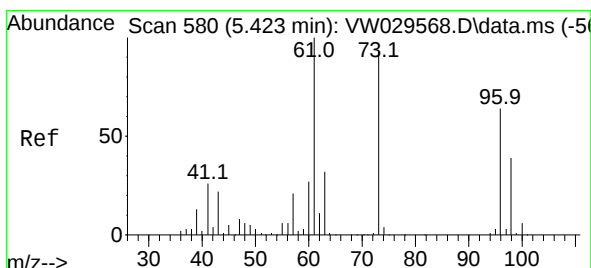
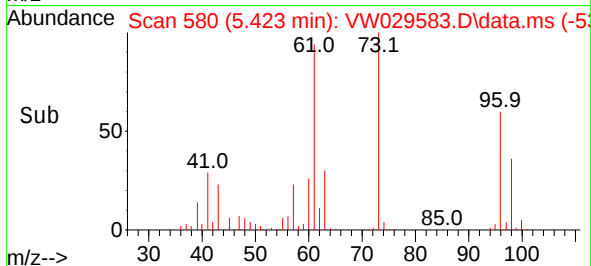
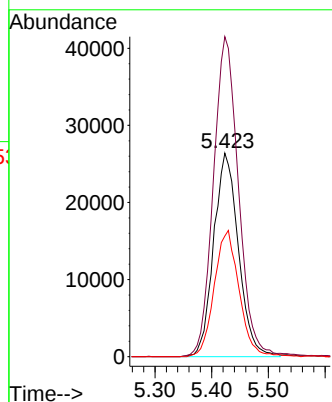
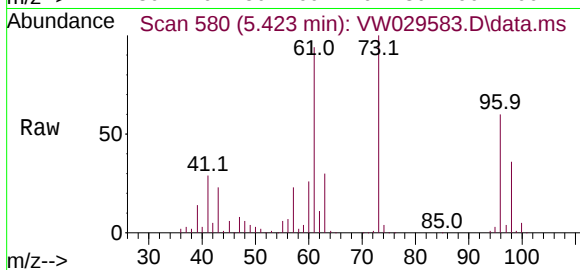
Tgt Ion: 96 Resp: 80125

Ion Ratio Lower Upper

96 100

61 157.2 102.9 191.1

98 59.2 43.9 81.5



#18

Methyl tert-butyl Ether

Concen: 26.666 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.006 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

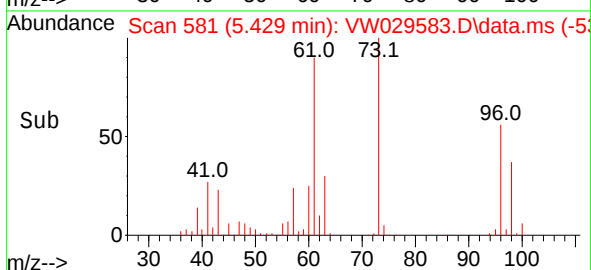
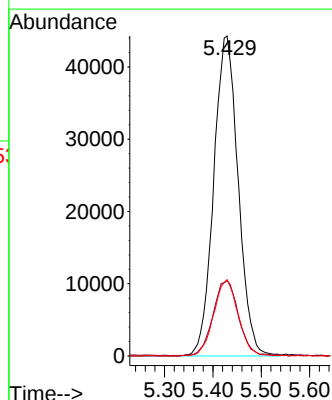
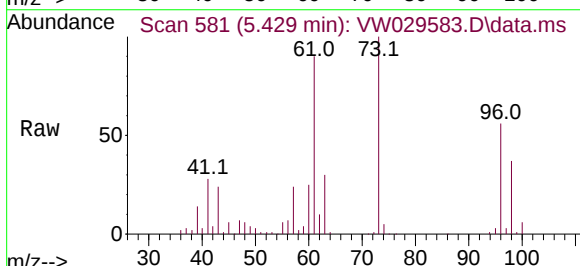
Tgt Ion: 73 Resp: 155351

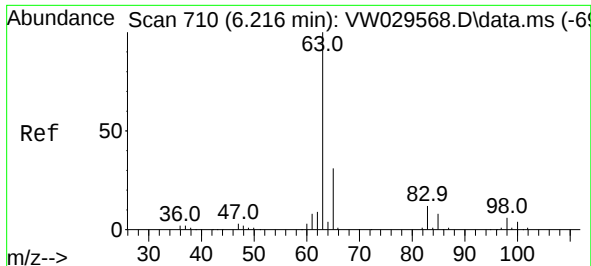
Ion Ratio Lower Upper

73 100

43 24.5 18.7 28.1

57 23.9 18.9 28.3





#19

1,1-Dichloroethane

Concen: 25.320 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

ClientSampleId :

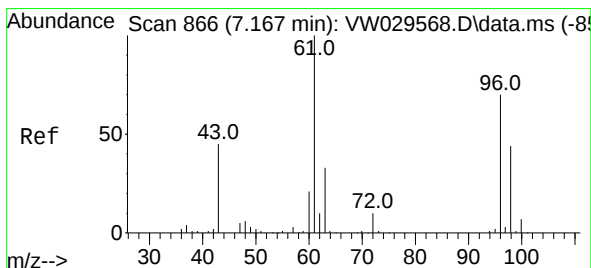
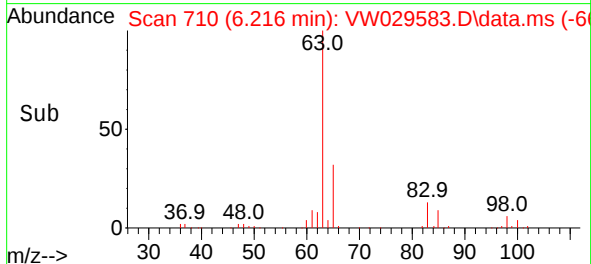
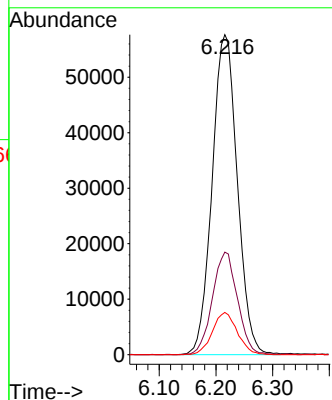
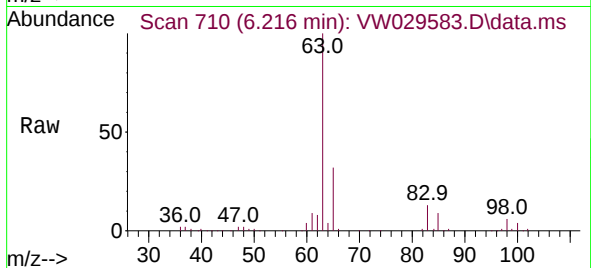
Tgt Ion: 63 Resp: 178051

Ion Ratio Lower Upper

63 100

65 32.0 21.5 39.9

83 13.2 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 25.601 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

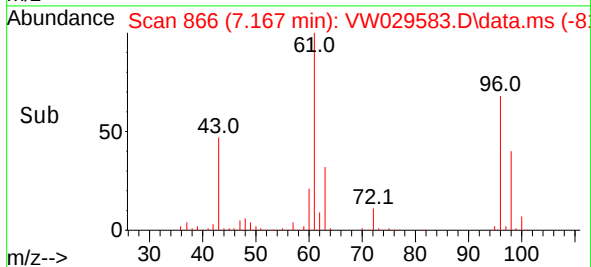
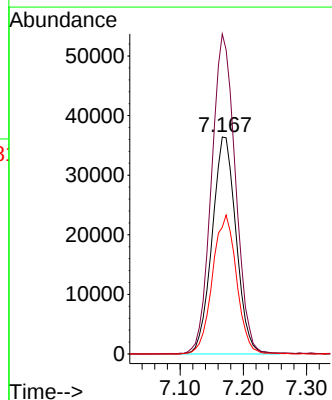
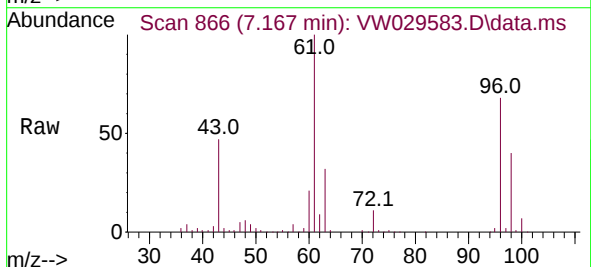
Tgt Ion: 96 Resp: 95856

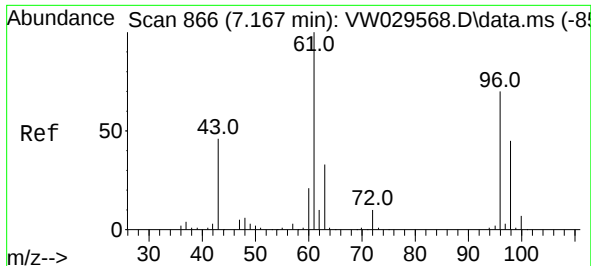
Ion Ratio Lower Upper

96 100

61 147.5 97.4 180.8

98 58.4 41.6 77.2

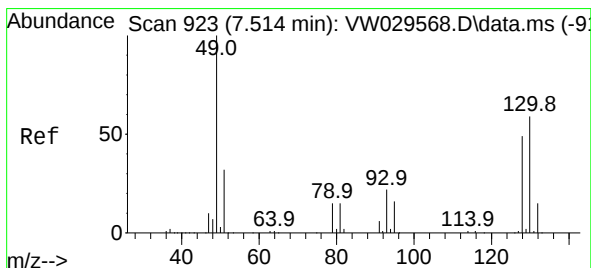
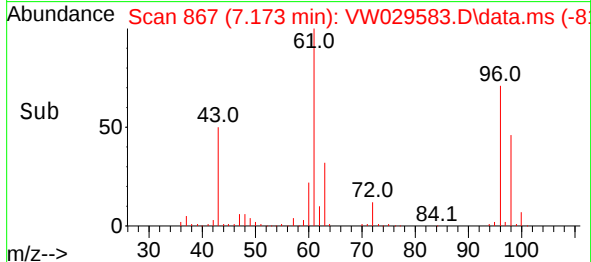
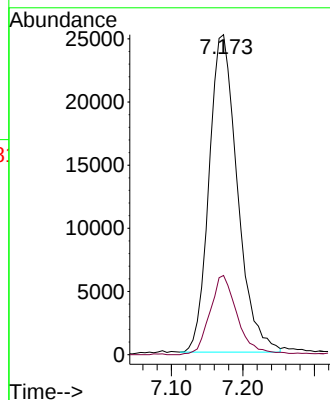
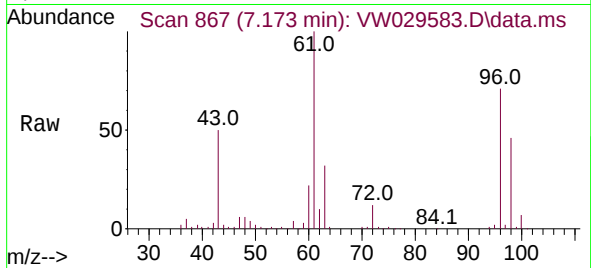




#22  
2-Butanone  
Concen: 43.295 ug/L  
RT: 7.173 min Scan# 866  
Delta R.T. 0.006 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

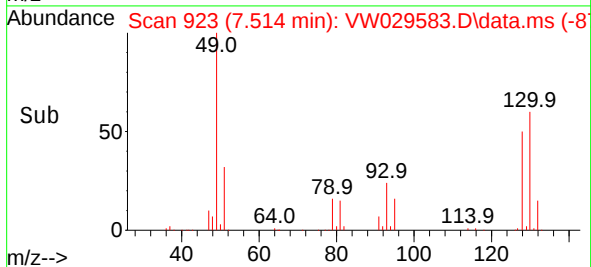
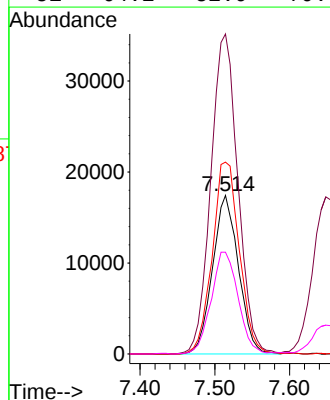
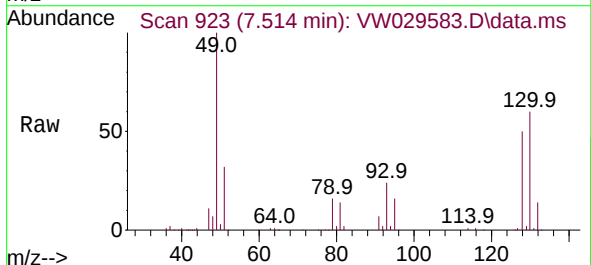
Instrument :  
MSVOA\_W  
ClientSampleId :

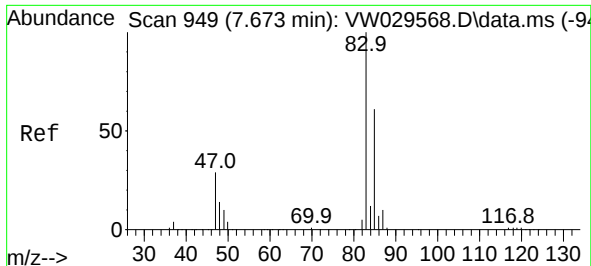
Tgt Ion: 43 Resp: 69193  
Ion Ratio Lower Upper  
43 100  
72 23.9 12.0 36.1



#23  
Bromochloromethane  
Concen: 24.903 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion: 128 Resp: 41941  
Ion Ratio Lower Upper  
128 100  
49 201.9 146.2 271.4  
130 121.0 91.9 170.7  
51 64.2 52.9 79.3

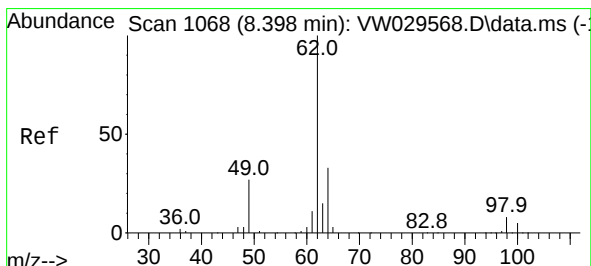
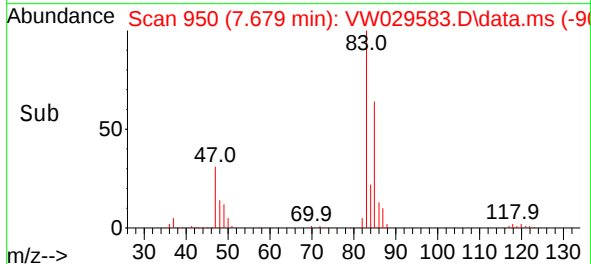
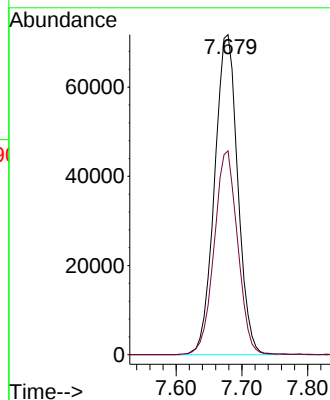
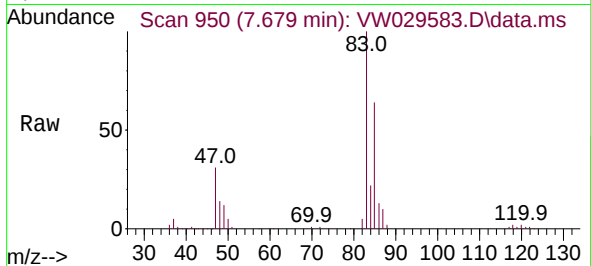




#25  
Chloroform  
Concen: 25.906 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

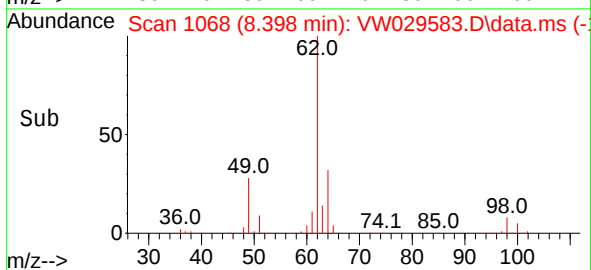
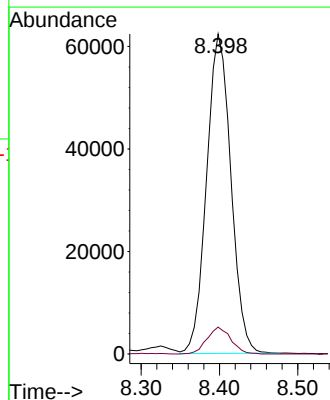
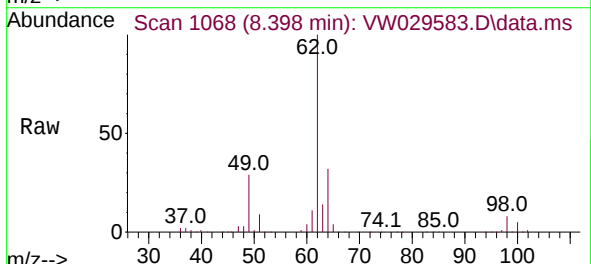
Instrument :  
MSVOA\_W  
ClientSampleId :

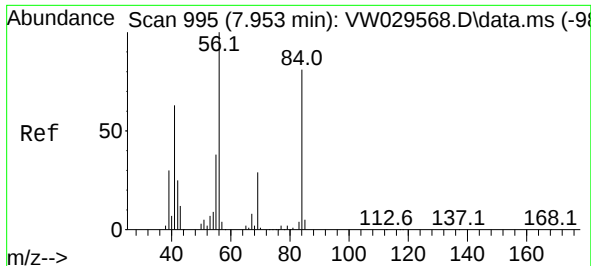
Tgt Ion: 83 Resp: 176264  
Ion Ratio Lower Upper  
83 100  
85 63.7 44.1 81.9



#27  
1,2-Dichloroethane  
Concen: 26.339 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion: 62 Resp: 134415  
Ion Ratio Lower Upper  
62 100  
98 8.4 6.0 9.0





#29

Cyclohexane

Concen: 23.372 ug/L

RT: 7.953 min Scan# 995

Delta R.T. 0.000 min

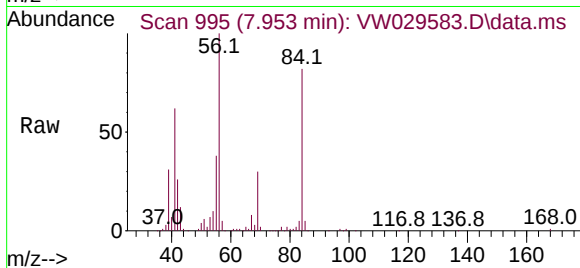
Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

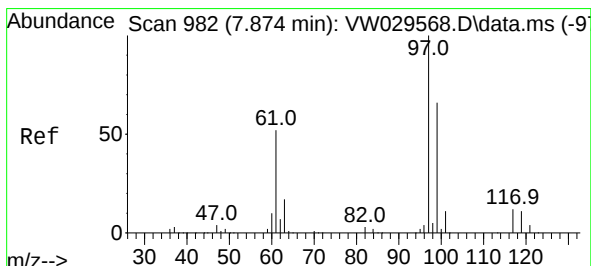
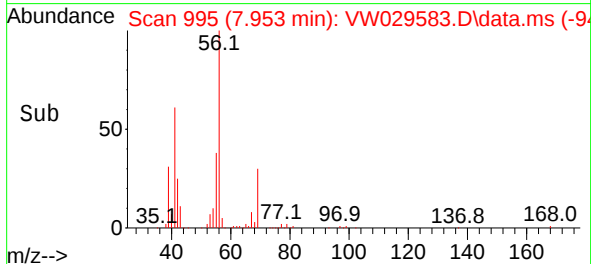
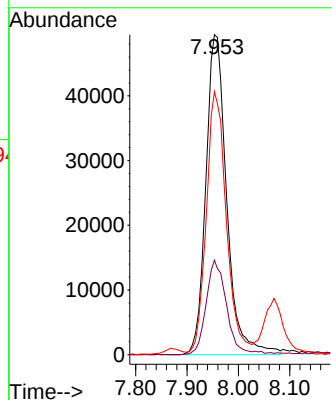
ClientSampleId :



Tgt Ion: 56 Resp: 139701

Ion Ratio Lower Upper

|    |      |      |      |
|----|------|------|------|
| 56 | 100  |      |      |
| 69 | 28.3 | 23.3 | 34.9 |
| 84 | 78.8 | 63.1 | 94.7 |



#30

1,1,1-Trichloroethane

Concen: 22.795 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

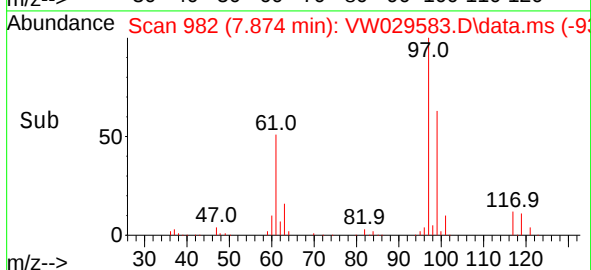
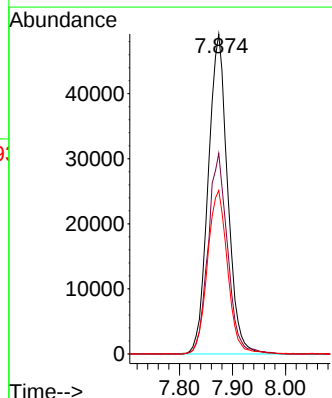
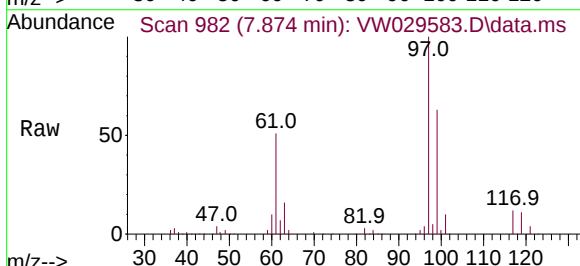
Lab File: VW029583.D

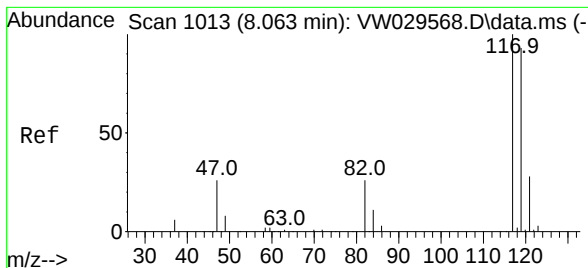
Acq: 15 Jul 2024 18:26

Tgt Ion: 97 Resp: 124954

Ion Ratio Lower Upper

|    |      |      |      |
|----|------|------|------|
| 97 | 100  |      |      |
| 99 | 62.1 | 51.1 | 76.7 |
| 61 | 53.0 | 40.6 | 61.0 |

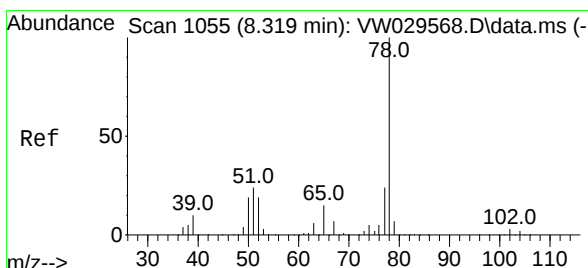
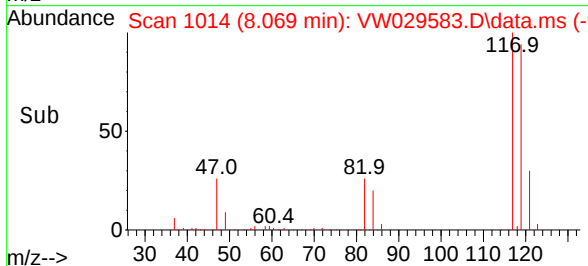
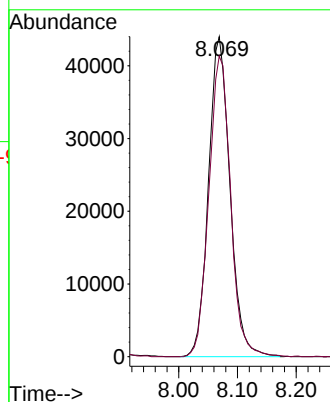
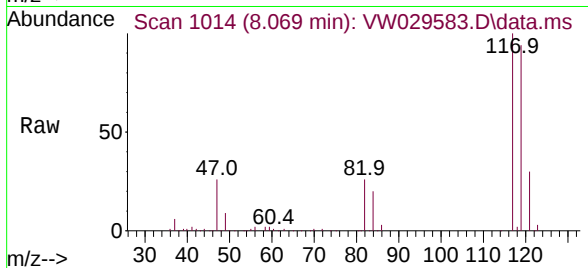




#31  
Carbon tetrachloride  
Concen: 22.233 ug/L  
RT: 8.069 min Scan# 1116  
Delta R.T. 0.006 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

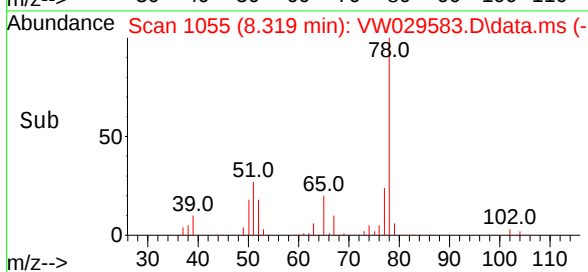
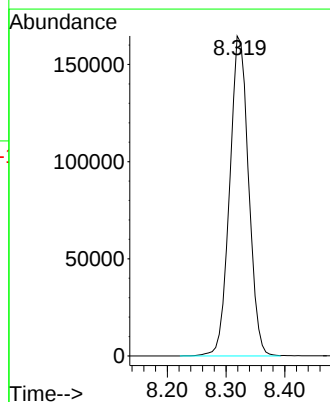
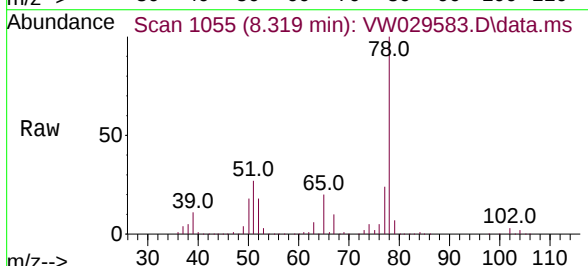
Instrument :  
MSVOA\_W  
ClientSampleId :

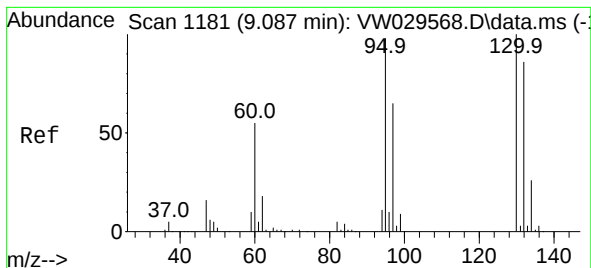
Tgt Ion:117 Resp: 111611  
Ion Ratio Lower Upper  
117 100  
119 95.3 77.0 115.6



#33  
Benzene  
Concen: 24.538 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion: 78 Resp: 368533





#34

Trichloroethene

Concen: 24.274 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.006 min

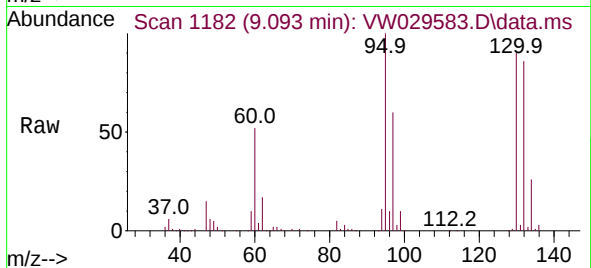
Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 96273

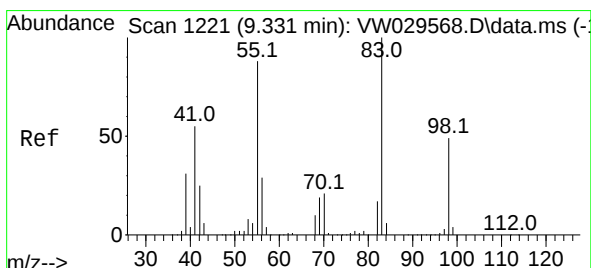
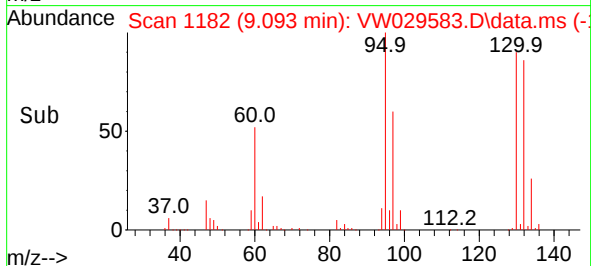
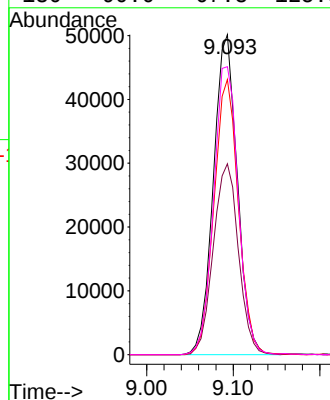
Ion Ratio Lower Upper

95 100

97 59.7 47.3 87.9

132 86.0 65.8 122.2

130 90.0 67.8 125.8



#35

Methylcyclohexane

Concen: 22.886 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

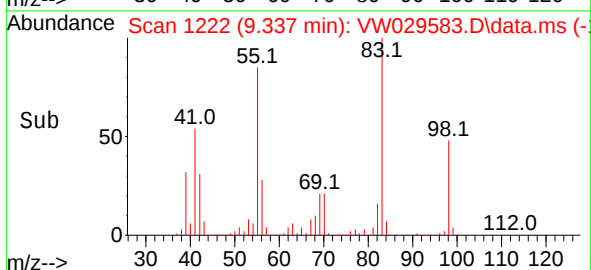
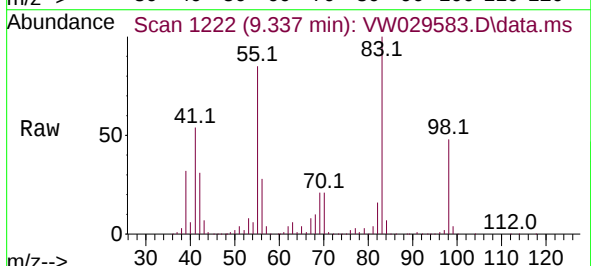
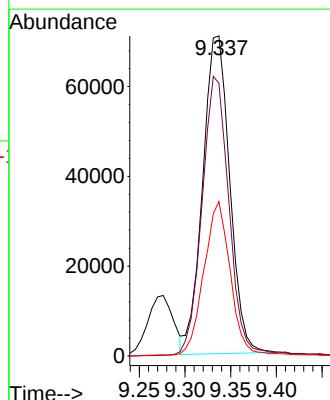
Tgt Ion: 83 Resp: 145894

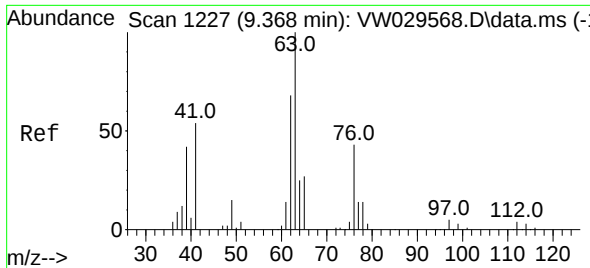
Ion Ratio Lower Upper

83 100

55 88.0 69.6 104.4

98 46.7 38.3 57.5





#37

1,2-Dichloropropane

Concen: 25.839 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

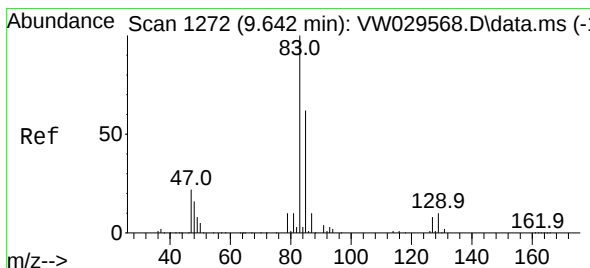
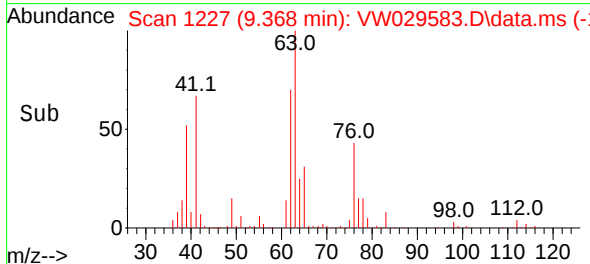
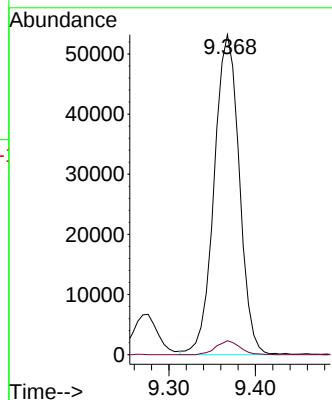
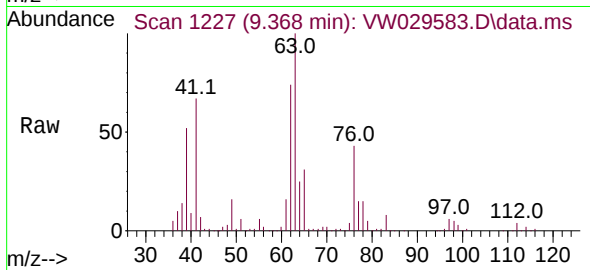
ClientSampleId :

Tgt Ion: 63 Resp: 107314

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 25.552 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

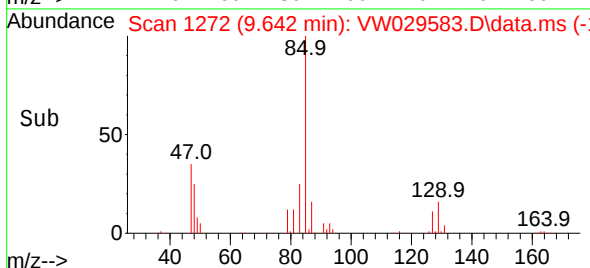
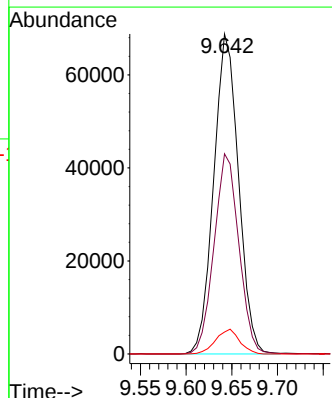
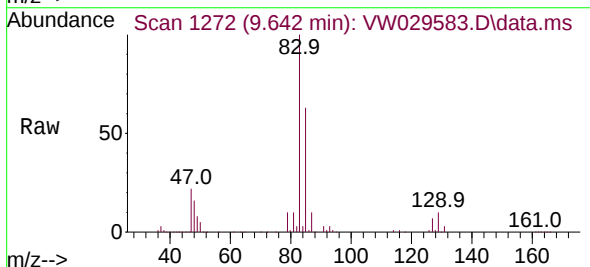
Tgt Ion: 83 Resp: 129623

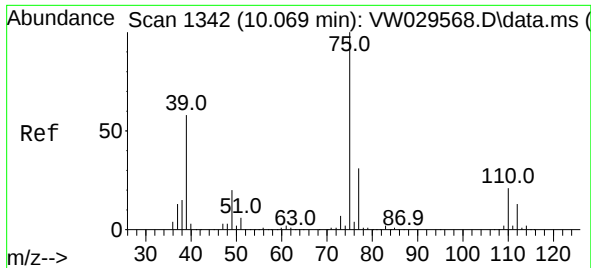
Ion Ratio Lower Upper

83 100

85 62.6 46.1 85.5

127 6.9 6.1 9.1

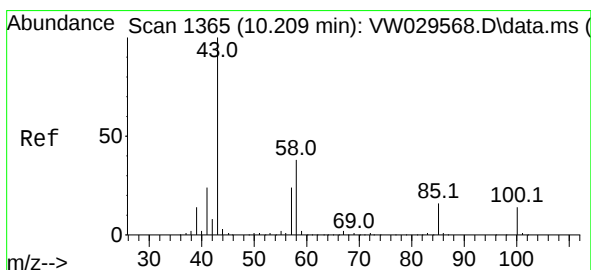
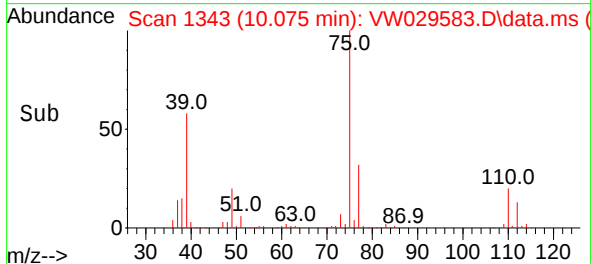
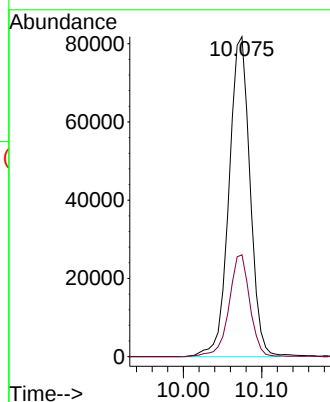
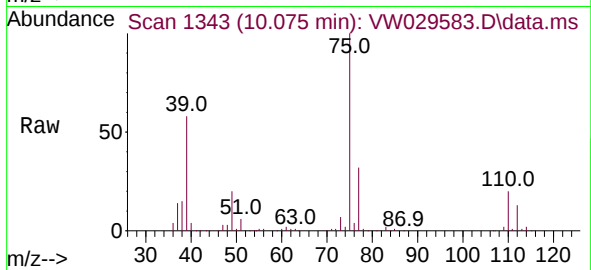




#39  
cis-1,3-Dichloropropene  
Concen: 24.452 ug/L  
RT: 10.075 min Scan# 1342  
Delta R.T. 0.006 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

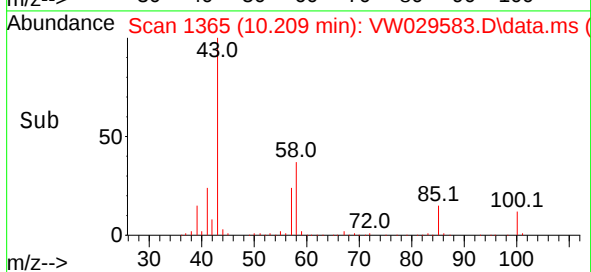
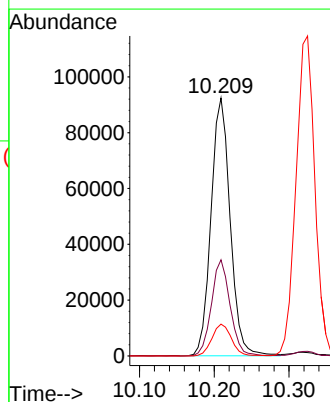
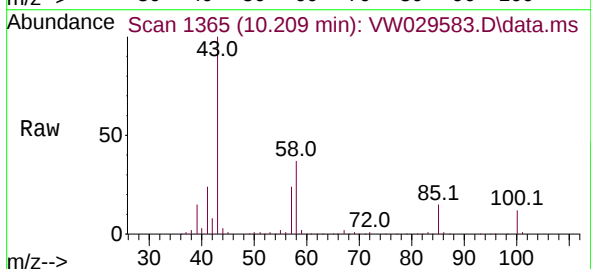
Instrument :  
MSVOA\_W  
ClientSampleId :

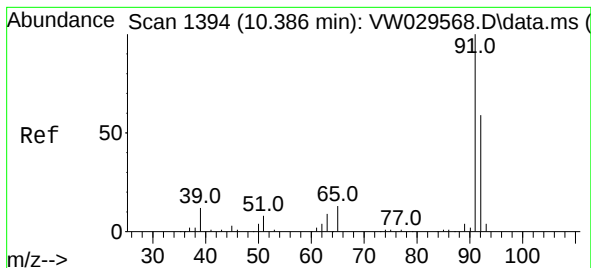
Tgt Ion: 75 Resp: 152528  
Ion Ratio Lower Upper  
75 100  
77 31.8 22.2 41.2



#40  
4-Methyl-2-pentanone  
Concen: 56.399 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion: 43 Resp: 165079  
Ion Ratio Lower Upper  
43 100  
58 36.3 29.0 43.6  
100 12.6 10.5 15.7





#42

Toluene

Concen: 25.361 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

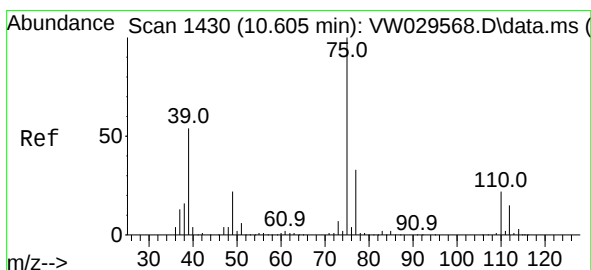
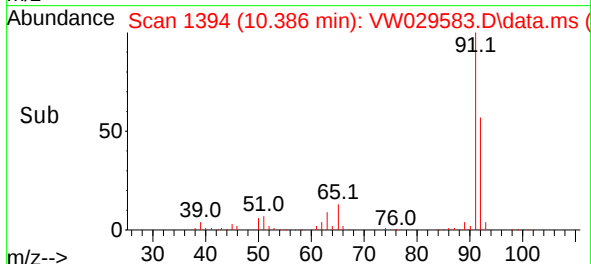
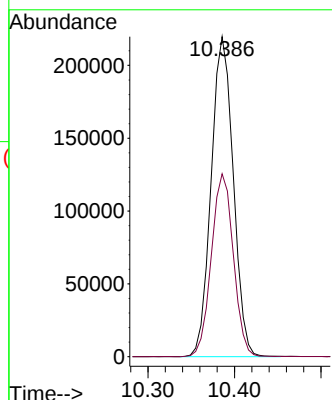
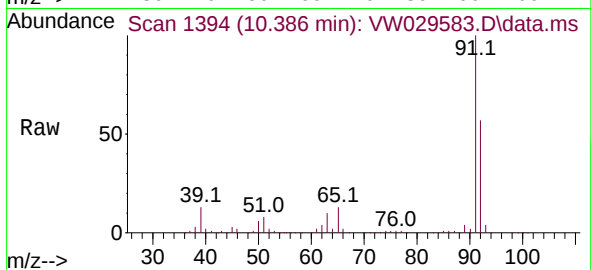
ClientSampleId :

Tgt Ion: 91 Resp: 389669

Ion Ratio Lower Upper

91 100

92 57.2 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 23.895 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW029583.D

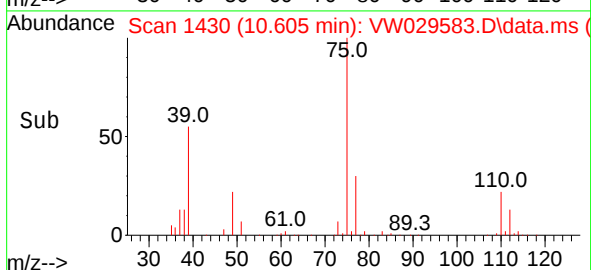
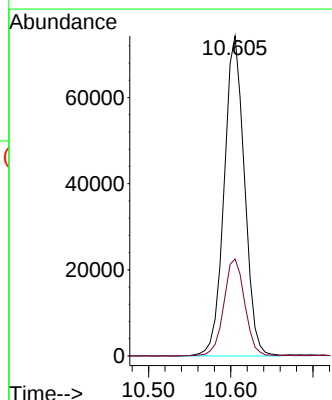
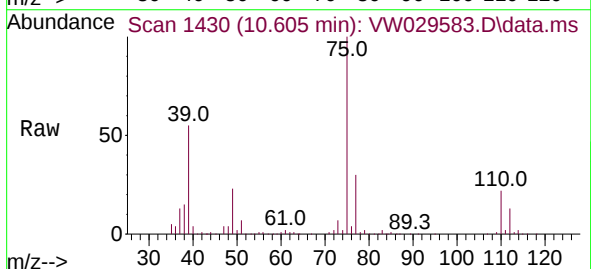
Acq: 15 Jul 2024 18:26

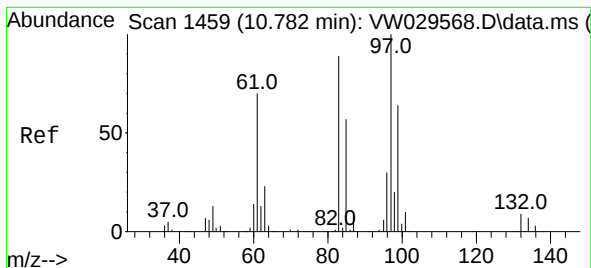
Tgt Ion: 75 Resp: 127752

Ion Ratio Lower Upper

75 100

77 30.3 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 24.989 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 74639

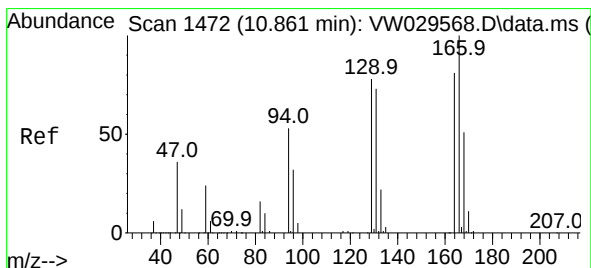
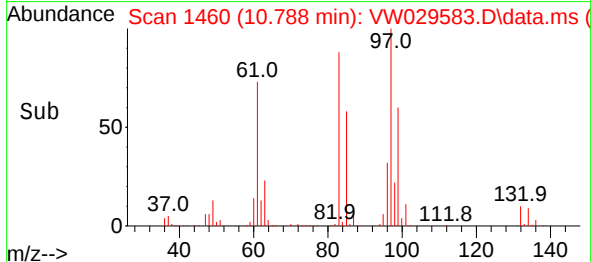
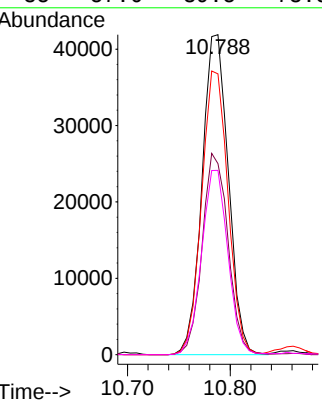
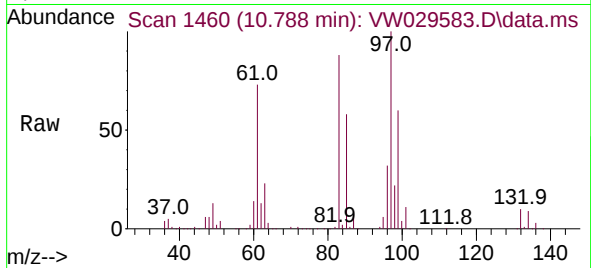
Ion Ratio Lower Upper

97 100

99 59.7 43.8 81.4

83 87.7 60.3 111.9

85 57.6 39.5 73.3



#46

Tetrachloroethene

Concen: 24.347 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Tgt Ion:164 Resp: 68604

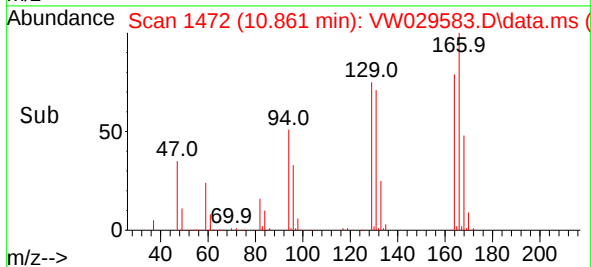
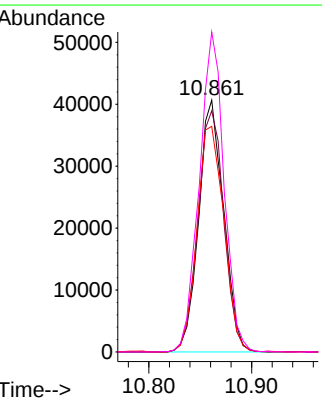
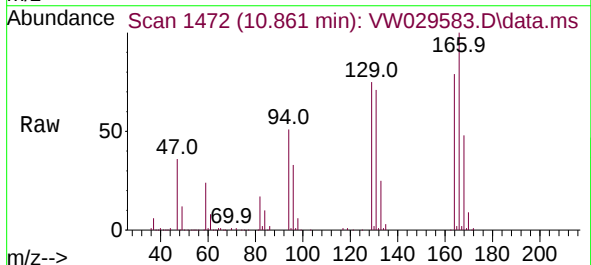
Ion Ratio Lower Upper

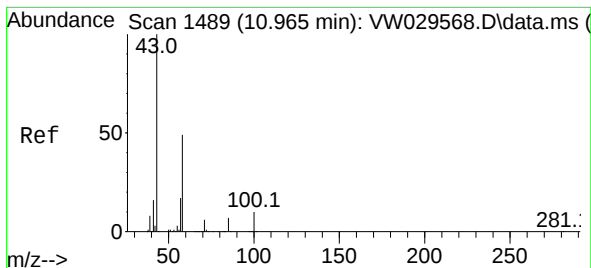
164 100

129 95.8 60.0 111.4

131 89.6 64.6 120.0

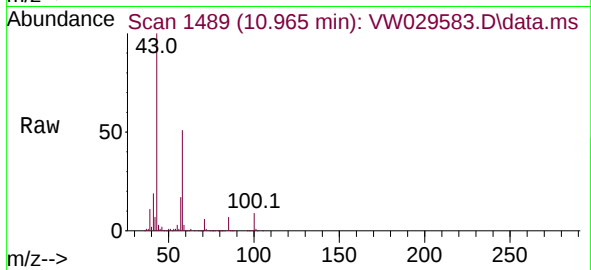
166 127.0 80.4 149.2





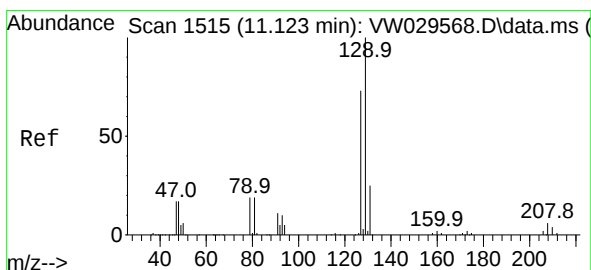
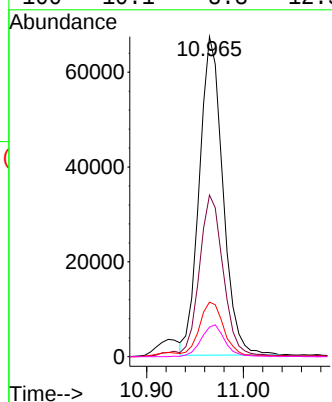
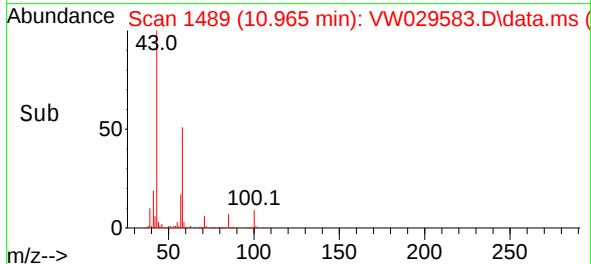
#48  
2-Hexanone  
Concen: 51.781 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 43 Resp: 113864

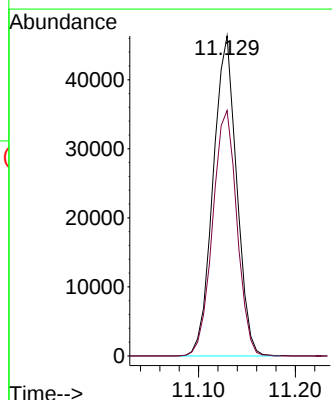
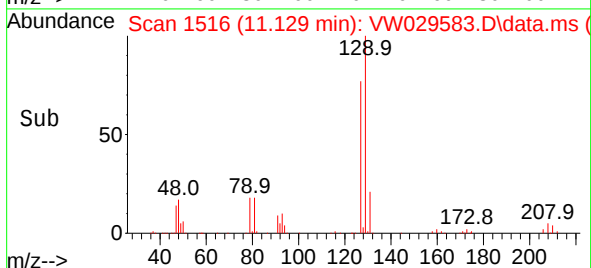
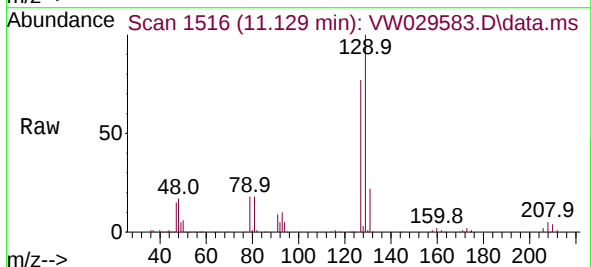
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 51.3  | 39.8  | 59.8  |
| 57  | 18.1  | 14.6  | 21.8  |
| 100 | 10.1  | 8.3   | 12.5  |

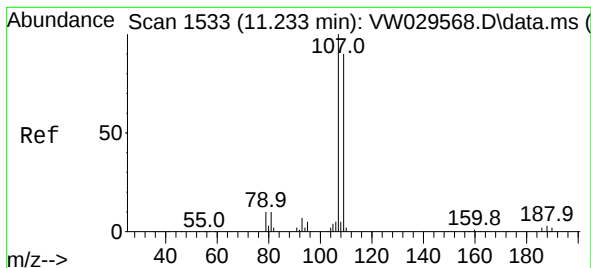


#49  
Dibromochloromethane  
Concen: 25.154 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion: 129 Resp: 78188

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.7  | 51.9  | 96.3  |





#50

1,2-Dibromoethane

Concen: 24.963 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

ClientSampleId :

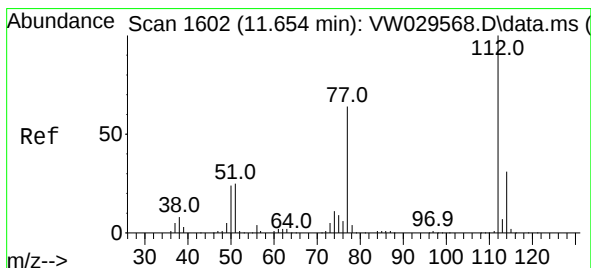
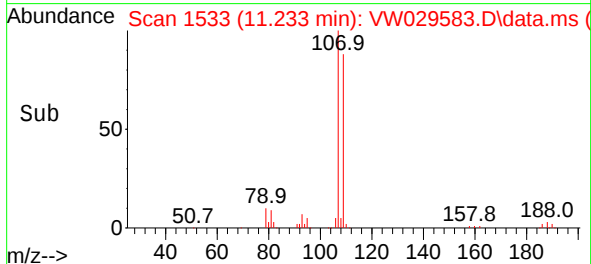
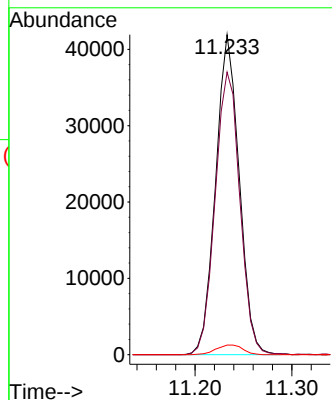
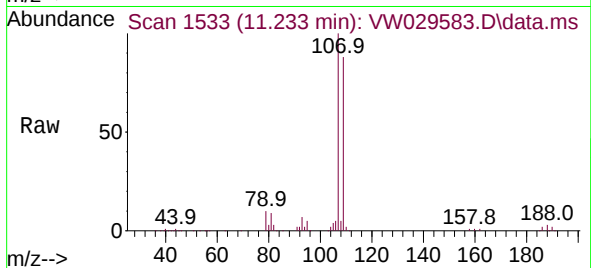
Tgt Ion:107 Resp: 71055

Ion Ratio Lower Upper

107 100

109 88.3 63.2 117.4

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 24.334 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

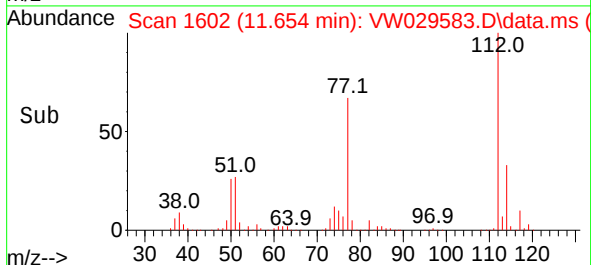
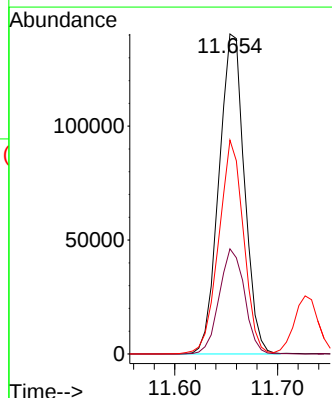
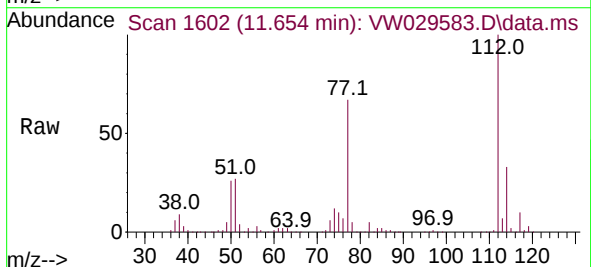
Tgt Ion:112 Resp: 241699

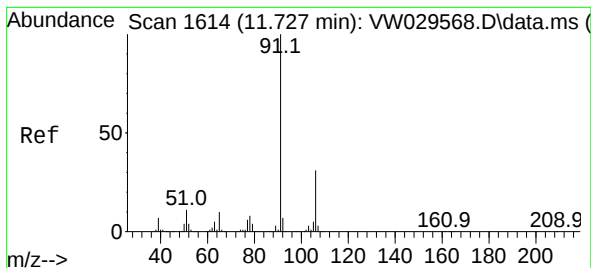
Ion Ratio Lower Upper

112 100

114 32.9 22.6 42.0

77 66.8 49.9 74.9

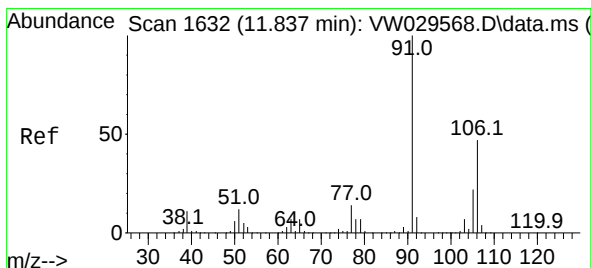
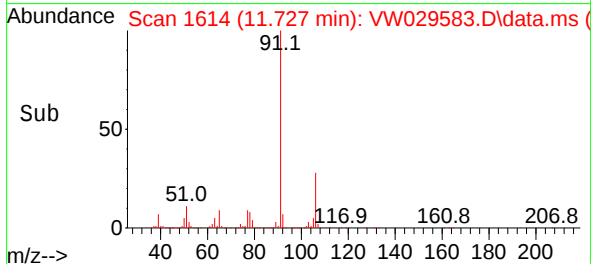
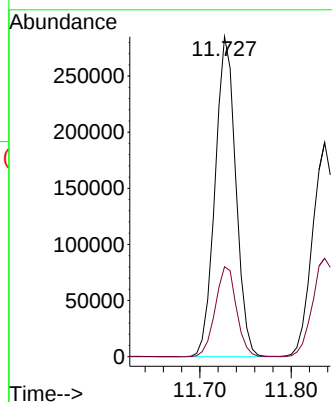
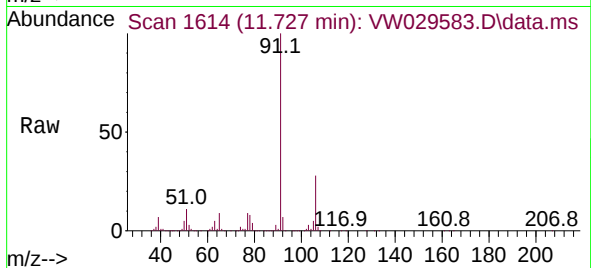




#52  
Ethylbenzene  
Concen: 25.793 ug/L  
RT: 11.727 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

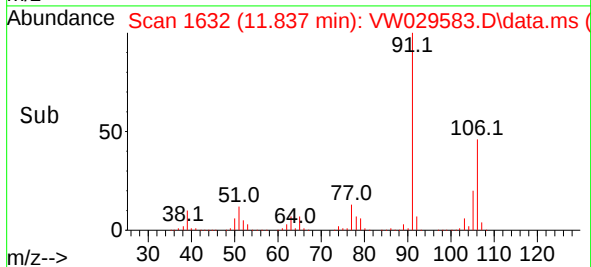
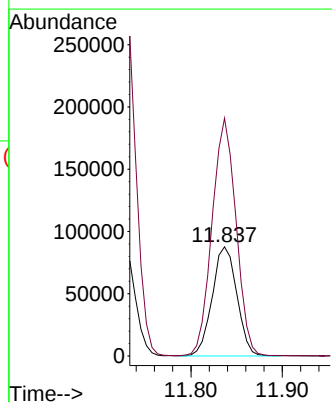
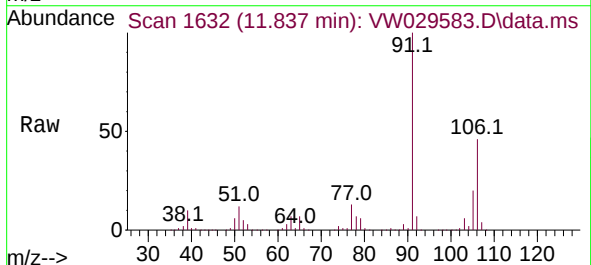
Instrument :  
MSVOA\_W  
ClientSampleId :

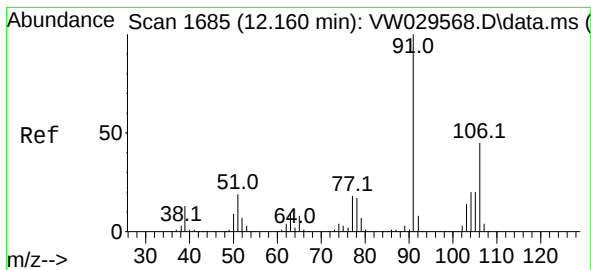
Tgt Ion: 91 Resp: 448990  
Ion Ratio Lower Upper  
91 100  
106 28.1 20.2 37.6



#53  
m,p-Xylene  
Concen: 25.653 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion:106 Resp: 163934  
Ion Ratio Lower Upper  
106 100  
91 218.0 149.3 277.3





#54

o-Xylene

Concen: 26.454 ug/L

RT: 12.160 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

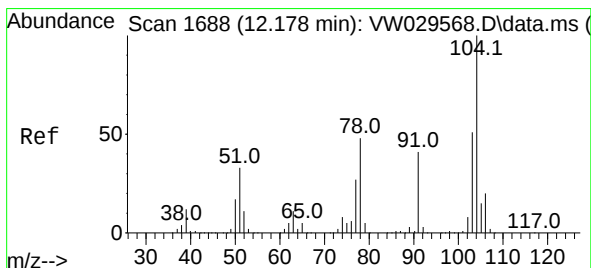
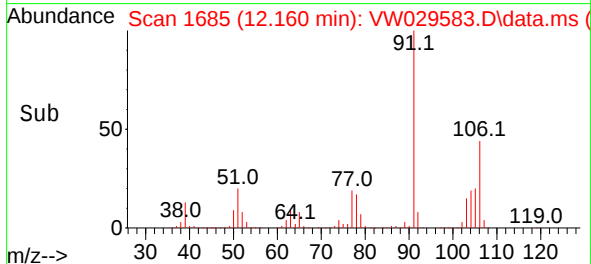
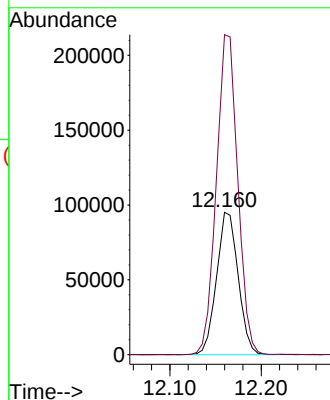
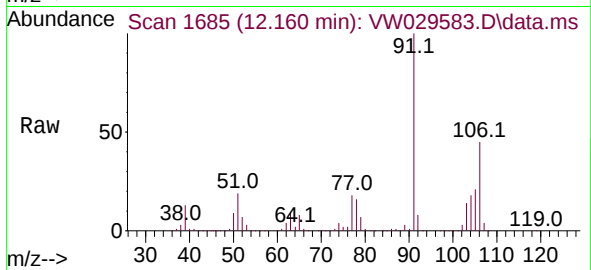
ClientSampleId :

Tgt Ion:106 Resp: 156356

Ion Ratio Lower Upper

106 100

91 224.6 159.2 295.6



#55

Styrene

Concen: 26.904 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW029583.D

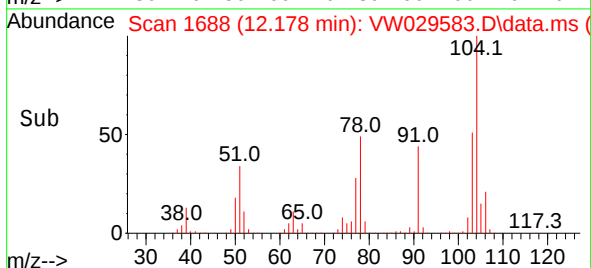
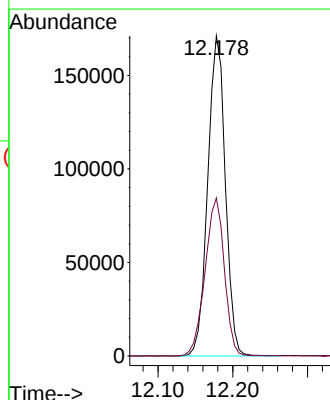
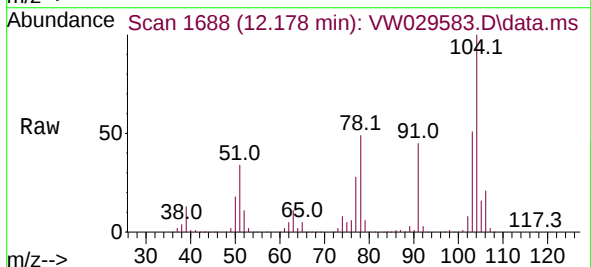
Acq: 15 Jul 2024 18:26

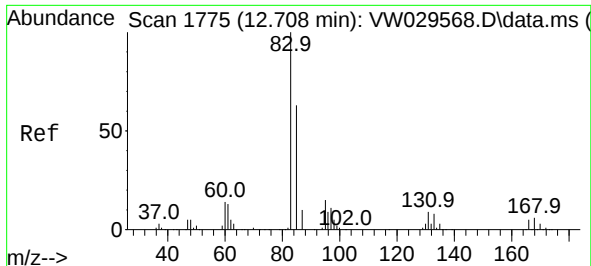
Tgt Ion:104 Resp: 279621

Ion Ratio Lower Upper

104 100

78 49.4 34.7 64.5

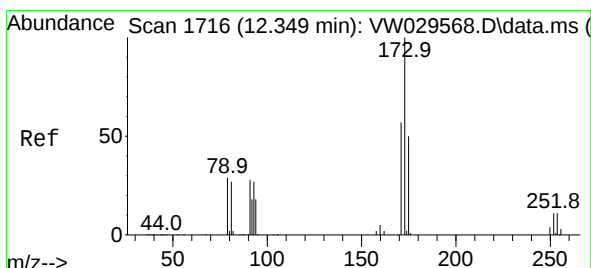
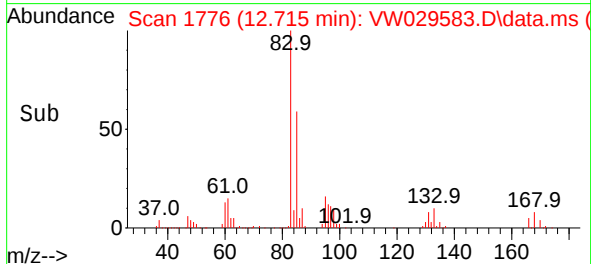
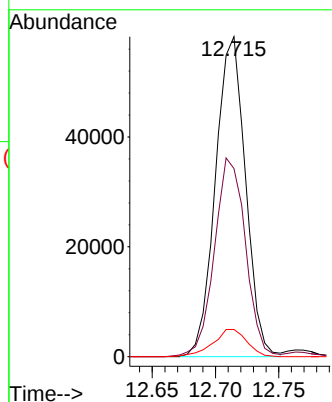
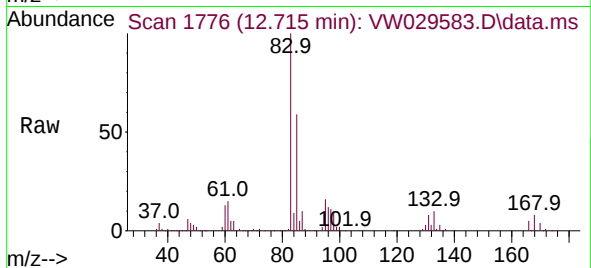




#57  
1,1,2,2-Tetrachloroethane  
Concen: 25.536 ug/L  
RT: 12.715 min Scan# 1775  
Delta R.T. 0.006 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

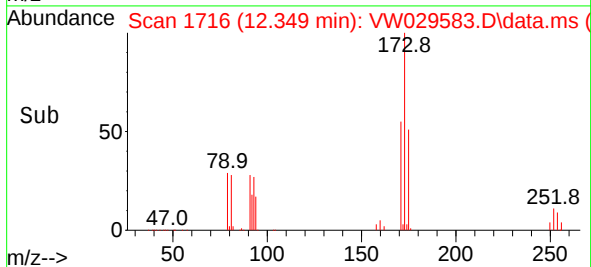
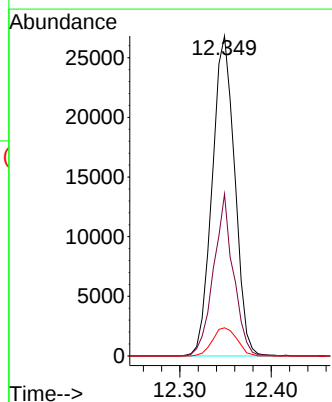
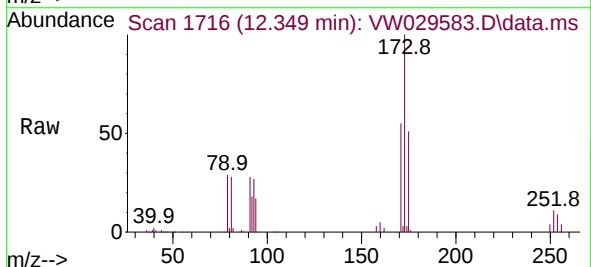
Instrument :  
MSVOA\_W  
ClientSampleId :

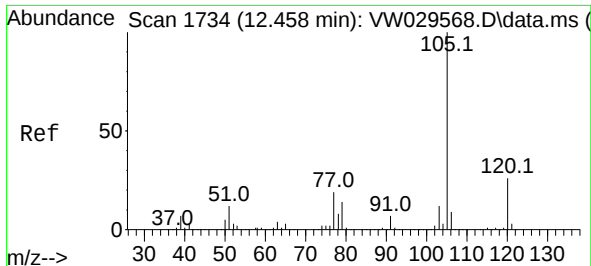
Tgt Ion: 83 Resp: 96212  
Ion Ratio Lower Upper  
83 100  
85 58.8 45.4 84.4  
131 8.5 6.4 9.6



#59  
Bromoform  
Concen: 26.093 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

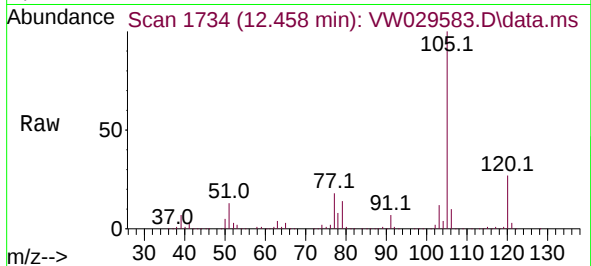
Tgt Ion:173 Resp: 45884  
Ion Ratio Lower Upper  
173 100  
175 44.7 40.4 60.6  
254 9.6 8.8 13.2



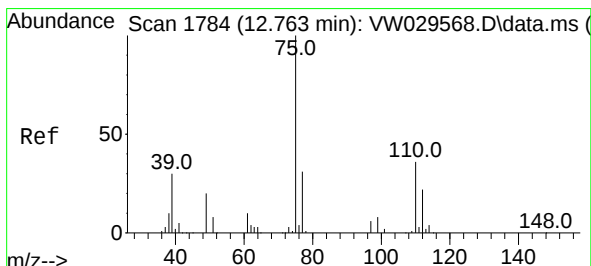
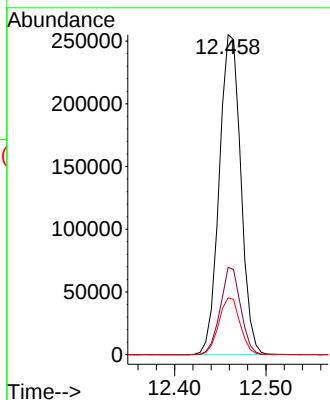
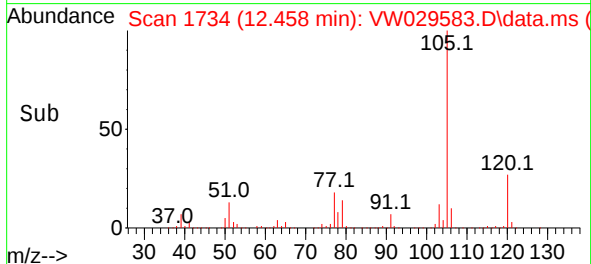


#60  
Isopropylbenzene  
Concen: 26.112 ug/L  
RT: 12.458 min Scan# 1734  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

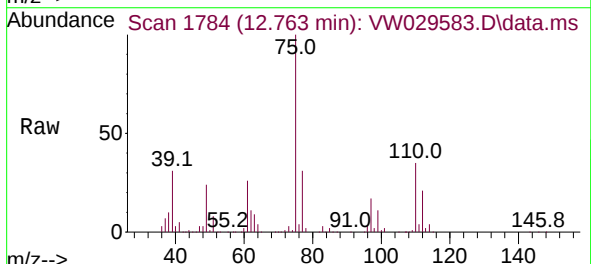
Instrument :  
MSVOA\_W  
ClientSampleId :



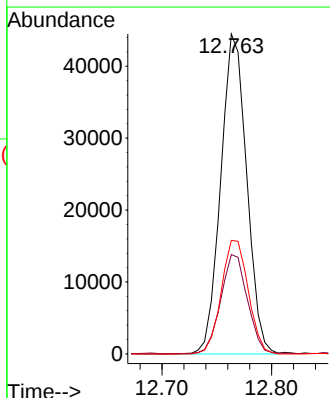
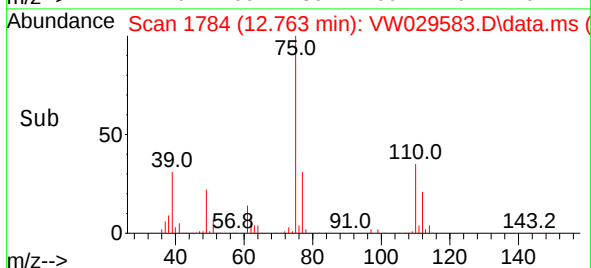
Tgt Ion:105 Resp: 418543  
Ion Ratio Lower Upper  
105 100  
120 25.9 20.2 30.4  
77 17.6 13.6 20.4

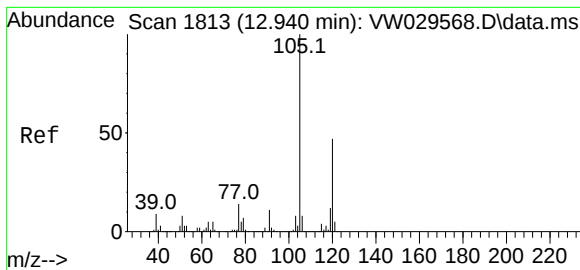


#61  
1,2,3-Trichloropropane  
Concen: 26.527 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26



Tgt Ion: 75 Resp: 73136  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.5 38.3  
110 36.9 29.1 43.7

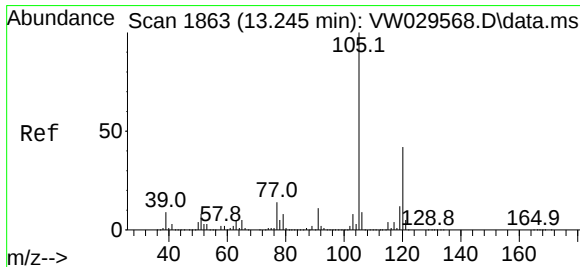
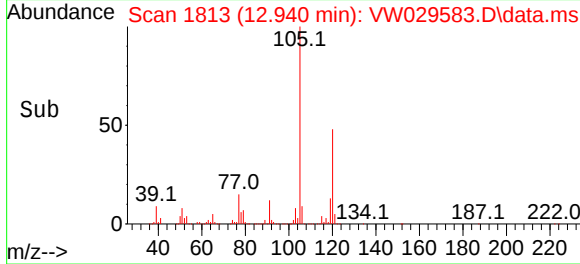
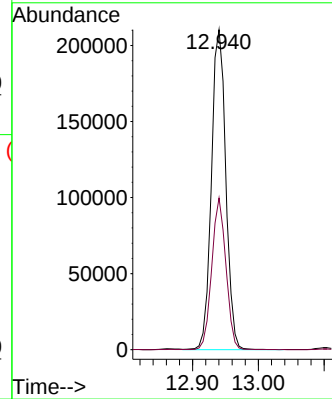
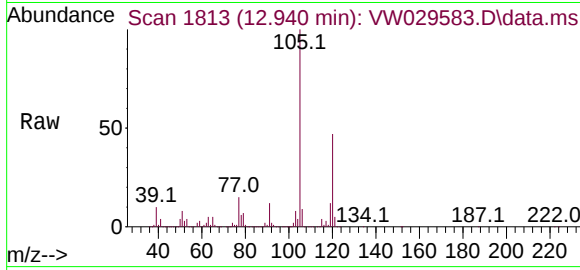




#62  
1,3,5-Trimethylbenzene  
Concen: 28.085 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

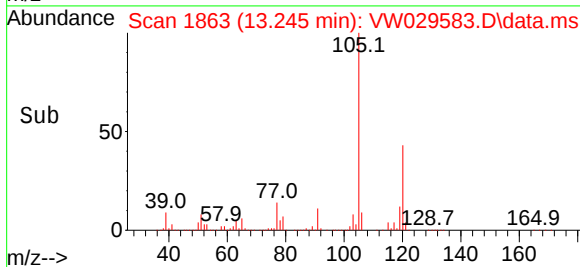
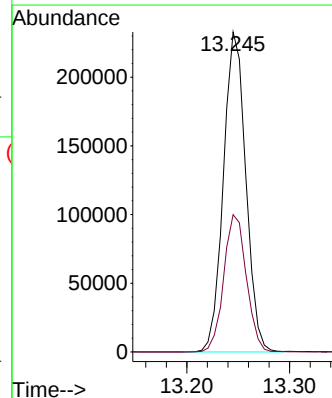
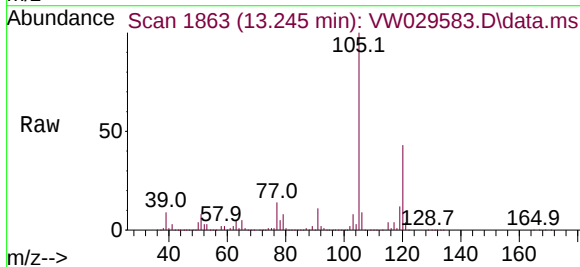
Instrument :  
MSVOA\_W  
ClientSampleId :

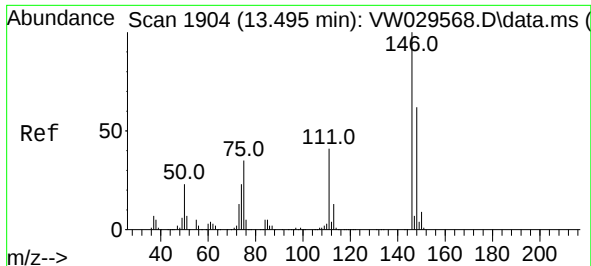
Tgt Ion:105 Resp: 320218  
Ion Ratio Lower Upper  
105 100  
120 46.7 38.4 57.6



#63  
1,2,4-Trimethylbenzene  
Concen: 27.958 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion:105 Resp: 351820  
Ion Ratio Lower Upper  
105 100  
120 43.4 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 24.933 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

ClientSampleId :

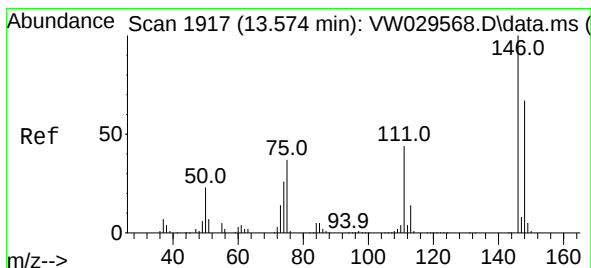
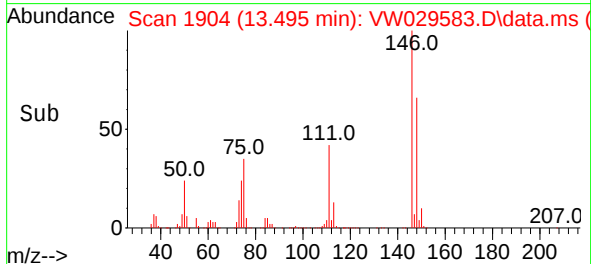
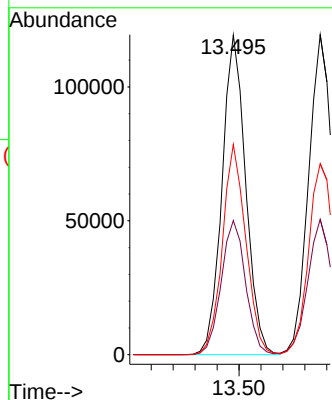
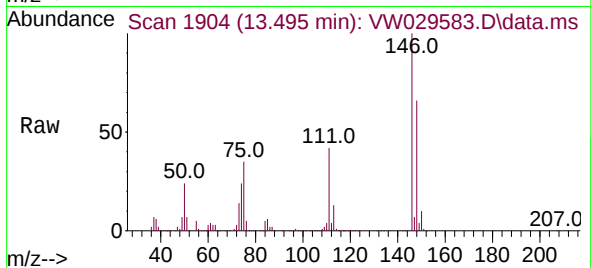
Tgt Ion:146 Resp: 179134

Ion Ratio Lower Upper

146 100

111 41.9 28.6 53.2

148 65.8 43.0 80.0



#65

1,4-Dichlorobenzene

Concen: 25.339 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

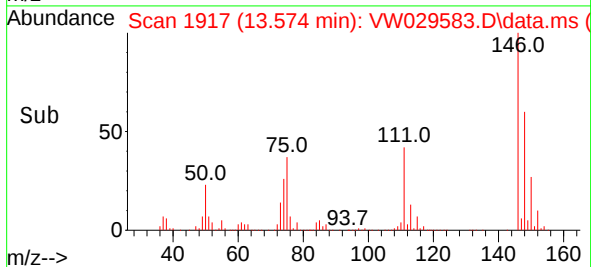
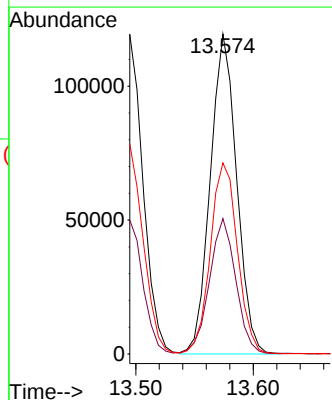
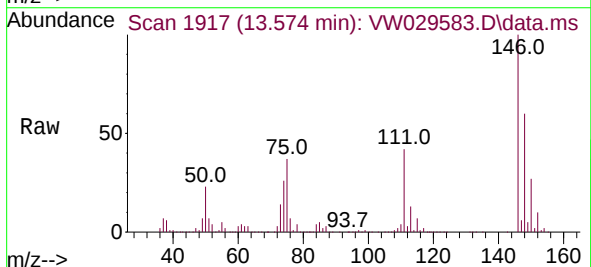
Tgt Ion:146 Resp: 186508

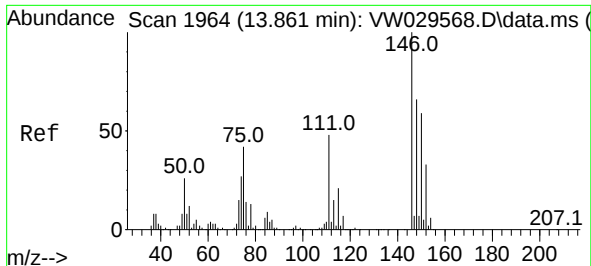
Ion Ratio Lower Upper

146 100

111 42.3 27.6 51.4

148 59.7 40.9 75.9

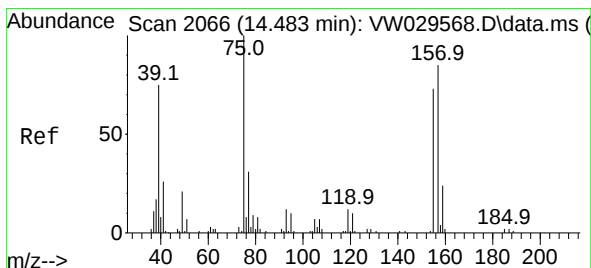
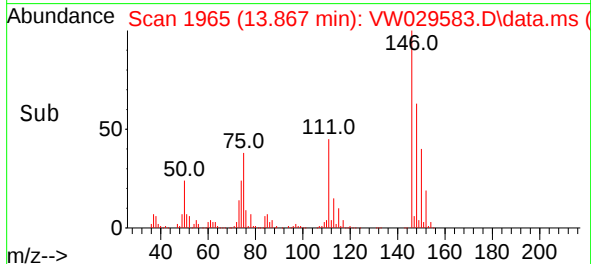
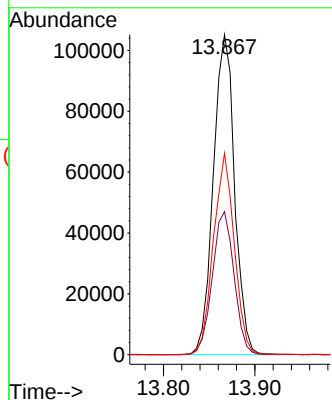
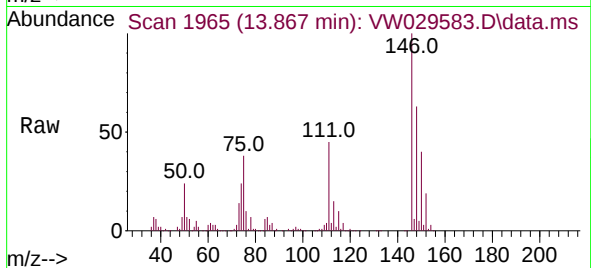




#67  
1,2-Dichlorobenzene  
Concen: 26.164 ug/L  
RT: 13.867 min Scan# 1964  
Delta R.T. 0.006 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

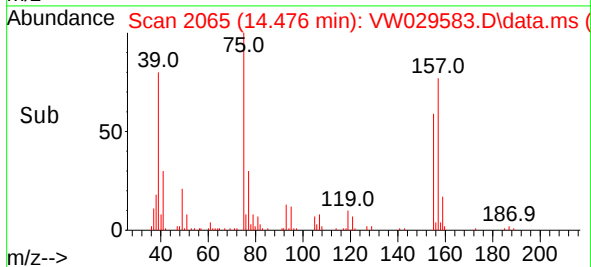
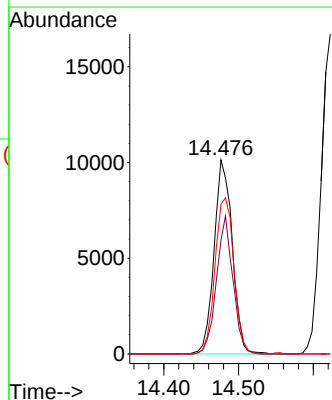
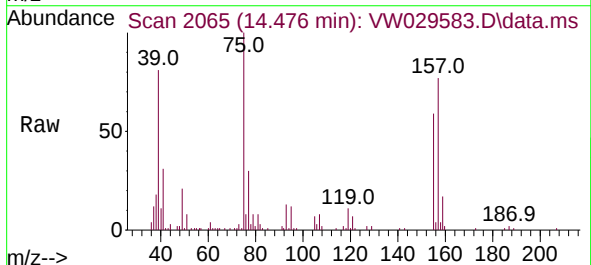
Instrument :  
MSVOA\_W  
ClientSampleId :

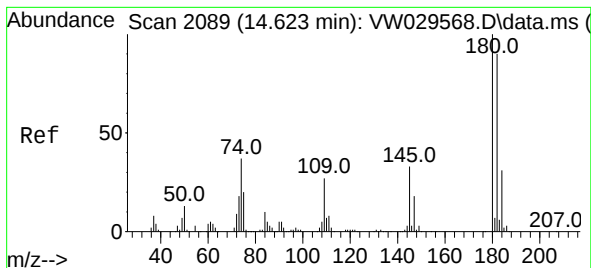
Tgt Ion:146 Resp: 169925  
Ion Ratio Lower Upper  
146 100  
111 44.7 37.1 55.7  
148 63.0 50.7 76.1



#68  
1,2-Dibromo-3-chloropropane  
Concen: 26.000 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.006 min  
Lab File: VW029583.D  
Acq: 15 Jul 2024 18:26

Tgt Ion: 75 Resp: 17137  
Ion Ratio Lower Upper  
75 100  
155 58.6 51.2 76.8  
157 77.1 63.7 95.5





#69

1,3,5-Trichlorobenzene

Concen: 25.197 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

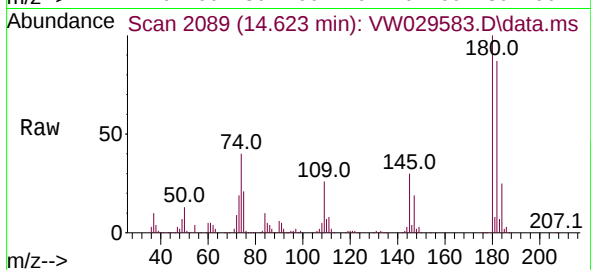
Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 118100

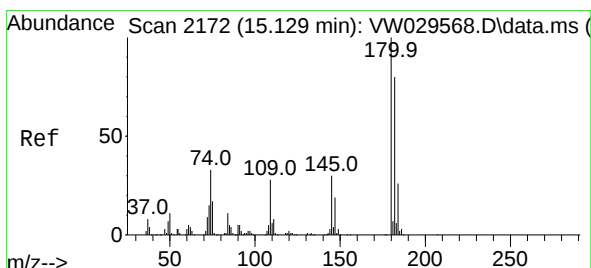
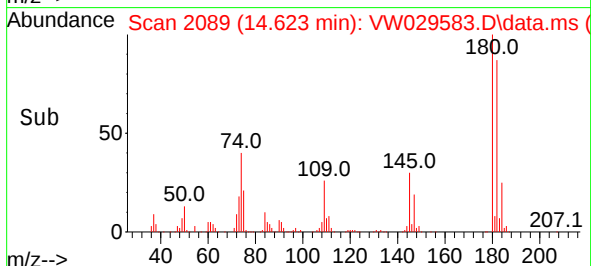
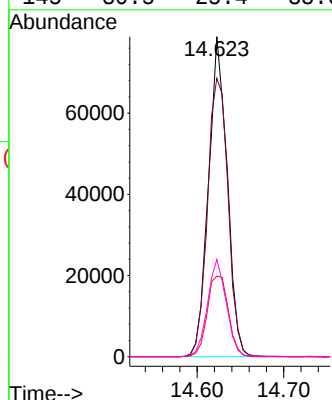
Ion Ratio Lower Upper

180 100

182 95.9 77.9 116.9

184 28.6 24.4 36.6

145 30.5 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 26.064 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

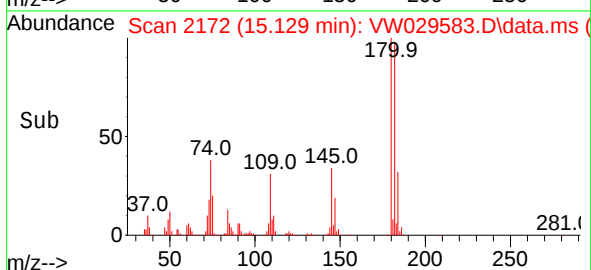
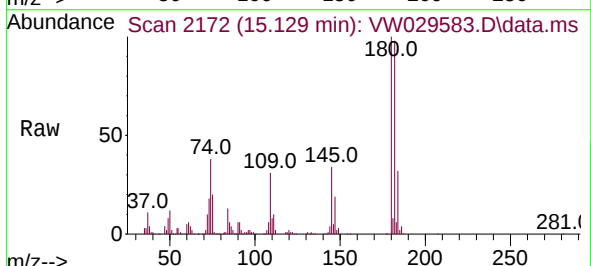
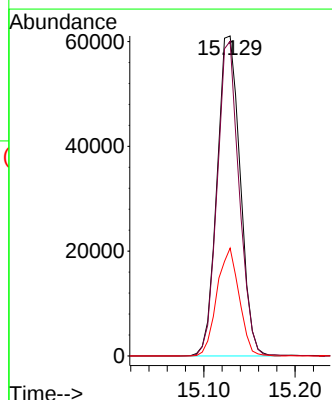
Tgt Ion:180 Resp: 107490

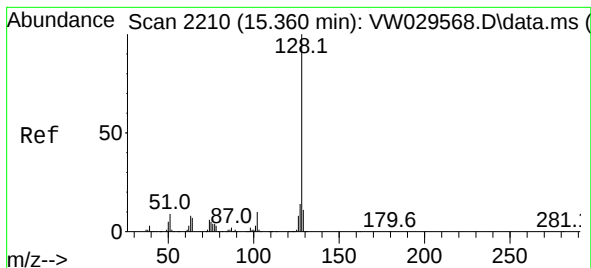
Ion Ratio Lower Upper

180 100

182 93.2 74.7 112.1

145 32.3 26.2 39.2





#71

Naphthalene

Concen: 28.464 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Instrument :

MSVOA\_W

ClientSampleId :

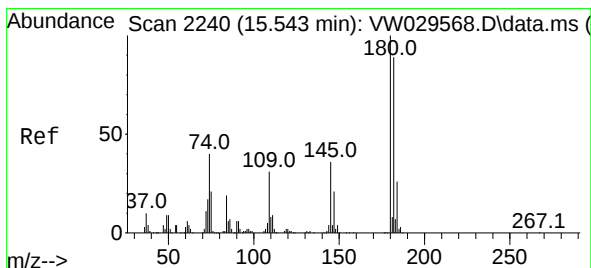
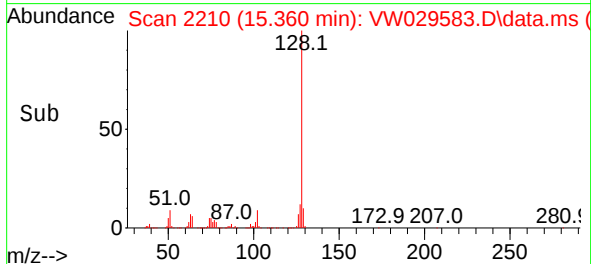
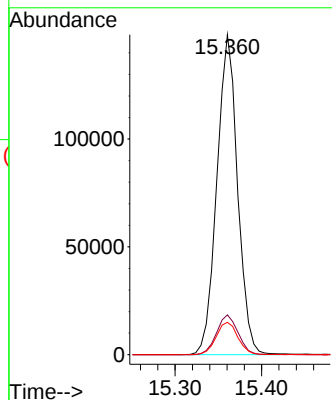
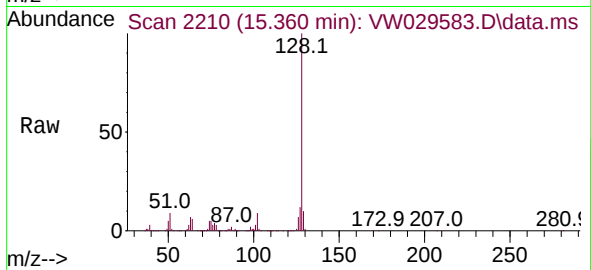
Tgt Ion:128 Resp: 246383

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 10.6 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 25.935 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW029583.D

Acq: 15 Jul 2024 18:26

Tgt Ion:180 Resp: 97179

Ion Ratio Lower Upper

180 100

182 91.8 73.4 110.0

145 32.9 26.9 40.3

