

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101123\  
 Data File : VW027280.D  
 Acq On : 11 Oct 2023 11:16  
 Operator : SY/MD  
 Sample : VSTD025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 12 01:00:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 12 00:57:57 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114  | 506764   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117  | 470629   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152  | 231731   | 25.000 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65   | 204794   | 26.480 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.899  | 69   | 152484   | 27.459 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65   | 100974   | 26.056 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 7.075  | 46   | 145517   | 56.841 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.648  | 84   | 404802   | 26.801 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65   | 224357   | 27.652 | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.276  | 84   | 834797   | 26.217 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67   | 257171   | 26.443 | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.325 | 98   | 757066   | 26.219 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79   | 122022   | 27.376 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.922 | 63   | 117402   | 58.346 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84   | 199569   | 27.503 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152  | 229674   | 27.350 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.021  | 85   | 146337   | 24.226 | ug/L  | 100      |
| 3) Chloromethane              | 2.228  | 50   | 176737   | 25.506 | ug/L  | 100      |
| 5) Vinyl chloride             | 2.381  | 62   | 193595   | 25.012 | ug/L  | 100      |
| 6) Bromomethane               | 2.789  | 94   | 108899   | 24.701 | ug/L  | 100      |
| 8) Chloroethane               | 2.936  | 64   | 114482   | 25.695 | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 3.265  | 101  | 140572   | 25.743 | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101  | 175871   | 26.564 | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 4.045  | 96   | 170659   | 25.517 | ug/L  | 100      |
| 13) Acetone                   | 4.118  | 43   | 139988   | 64.467 | ug/L  | 100      |
| 14) Carbon disulfide          | 4.393  | 76   | 509225   | 24.719 | ug/L  | 100      |
| 15) Methyl Acetate            | 4.673  | 43   | 109168   | 28.788 | ug/L  | 100      |
| 16) Methylene chloride        | 4.923  | 84   | 198484   | 21.445 | ug/L  | 100      |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96   | 182975   | 25.624 | ug/L  | 100      |
| 18) Methyl tert-butyl Ether   | 5.429  | 73   | 339092   | 27.520 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 6.216  | 63   | 375489   | 25.770 | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96   | 208107   | 25.803 | ug/L  | 100      |
| 22) 2-Butanone                | 7.167  | 43   | 187793   | 56.508 | ug/L  | 100      |
| 23) Bromochloromethane        | 7.520  | 128  | 87769    | 26.359 | ug/L  | 100      |
| 25) Chloroform                | 7.679  | 83   | 357770   | 26.235 | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 247241   | 26.689 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 352725   | 24.684 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 293351   | 25.553 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.069  | 117  | 261935   | 25.304 | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 778829   | 25.322 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 208103   | 25.614 | ug/L  | 100      |
| 35) Methylcyclohexane         | 9.331  | 83   | 363417   | 25.013 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 214631   | 25.808 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 266217   | 26.033 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 359248   | 26.150 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 324189   | 56.683 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 813546   | 25.214 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 309503   | 26.701 | ug/L  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101123\  
 Data File : VW027280.D  
 Acq On : 11 Oct 2023 11:16  
 Operator : SY/MD  
 Sample : VSTD025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 12 01:00:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 12 00:57:57 2023  
 Response via : Initial Calibration

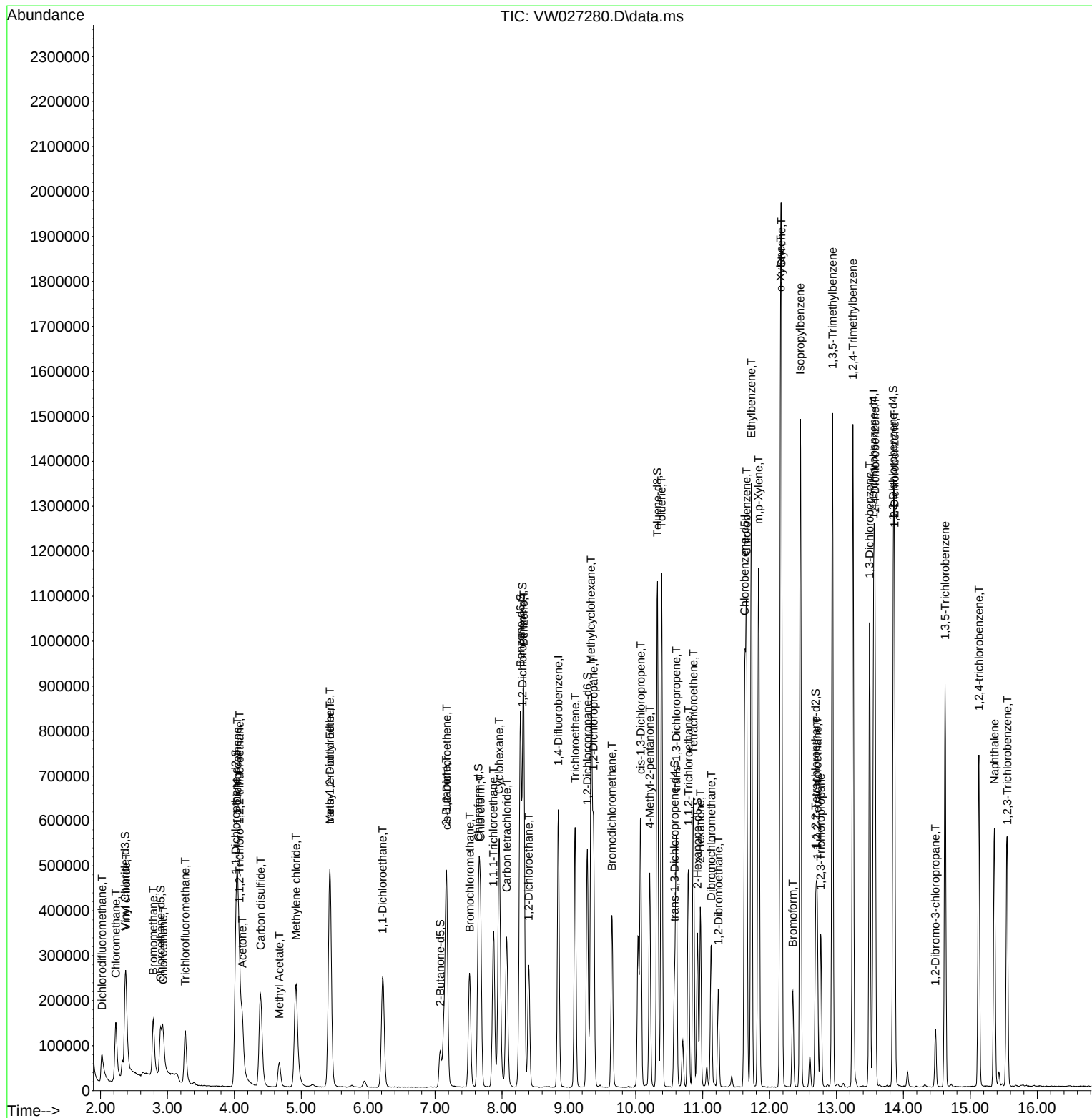
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 153850   | 26.884 | ug/L  | 100      |
| 46) Tetrachloroethene         | 10.861 | 164  | 139600   | 24.884 | ug/L  | 100      |
| 48) 2-Hexanone                | 10.965 | 43   | 257665   | 60.869 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.129 | 129  | 169224   | 26.626 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 149903   | 27.017 | ug/L  | 100      |
| 51) Chlorobenzene             | 11.654 | 112  | 514252   | 25.452 | ug/L  | 100      |
| 52) Ethylbenzene              | 11.727 | 91   | 952699   | 25.409 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.836 | 106  | 364366   | 25.621 | ug/L  | 100      |
| 54) o-Xylene                  | 12.166 | 106  | 346923   | 25.475 | ug/L  | 100      |
| 55) Styrene                   | 12.178 | 104  | 601310   | 25.854 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 193973   | 27.765 | ug/L  | 100      |
| 59) Bromoform                 | 12.349 | 173  | 98544    | 28.579 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.458 | 105  | 969511   | 26.632 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 144552   | 28.569 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 792993   | 26.115 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 791674   | 26.646 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 391101   | 26.493 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 383380   | 26.005 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 349033   | 26.645 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 36167    | 28.600 | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 261162   | 27.252 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 221481   | 27.154 | ug/L  | 100      |
| 71) Naphthalene               | 15.360 | 128  | 488552   | 29.126 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.555 | 180  | 173603   | 25.884 | ug/L  | 100      |

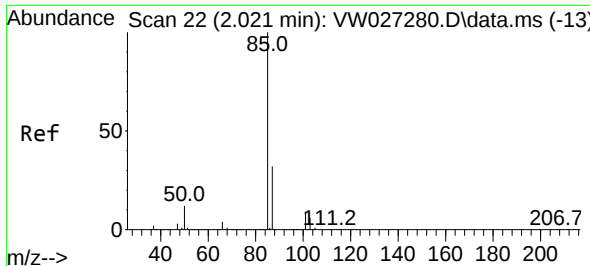
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101123\  
 Data File : VW027280.D  
 Acq On : 11 Oct 2023 11:16  
 Operator : SY/MD  
 Sample : VSTD025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

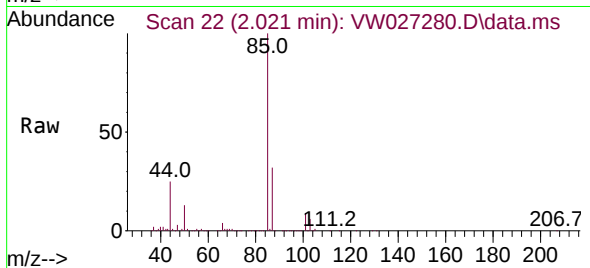
Quant Time: Oct 12 01:00:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 12 00:57:57 2023  
 Response via : Initial Calibration



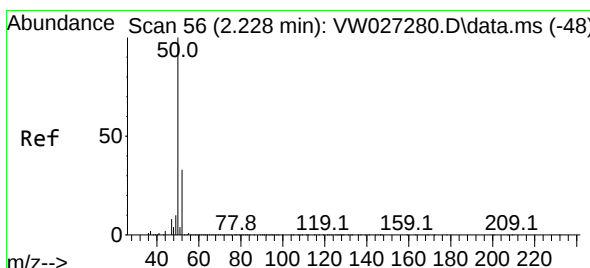
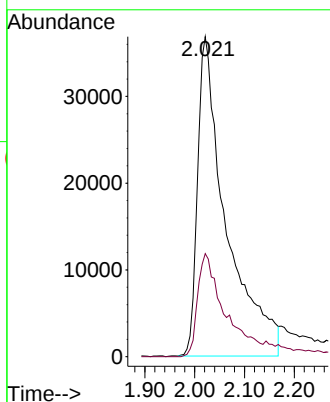
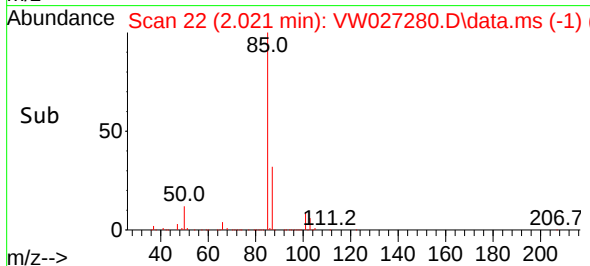


#2  
Dichlorodifluoromethane  
Concen: 24.226 ug/L  
RT: 2.021 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Instrument :  
MSVOA\_W  
ClientSampleId :

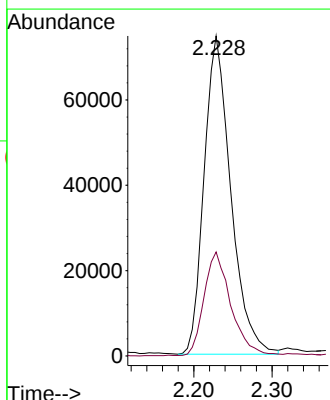
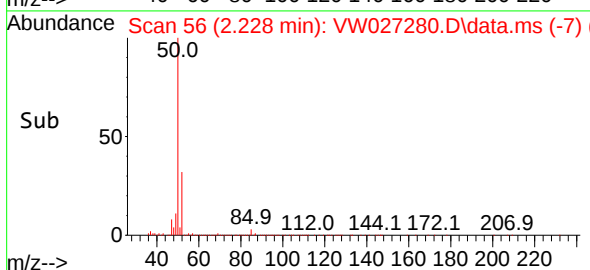
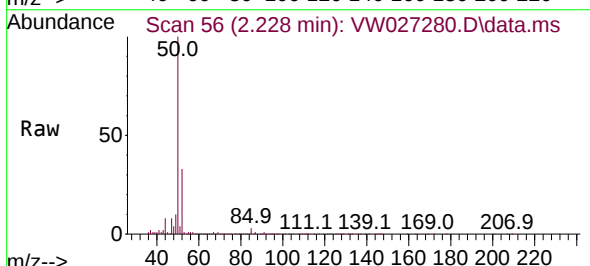


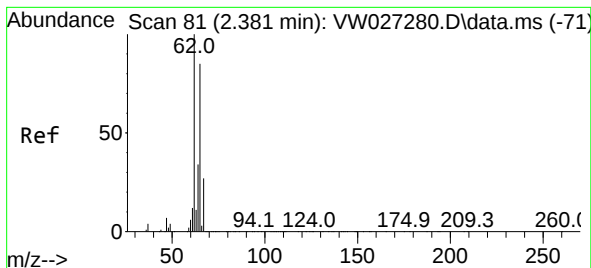
Tgt Ion: 85 Resp: 146337  
Ion Ratio Lower Upper  
85 100  
87 22.9 18.3 27.5



#3  
Chloromethane  
Concen: 25.506 ug/L  
RT: 2.228 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Tgt Ion: 50 Resp: 176737  
Ion Ratio Lower Upper  
50 100  
52 32.5 22.7 42.3





#5

Vinyl chloride

Concen: 25.012 ug/L

RT: 2.381 min Scan# 81

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

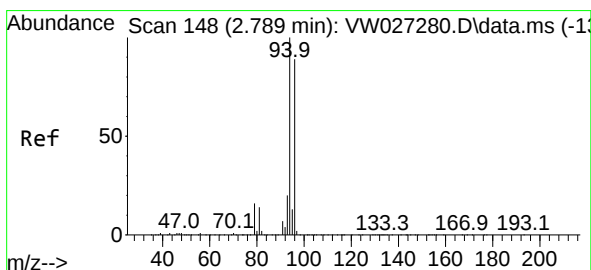
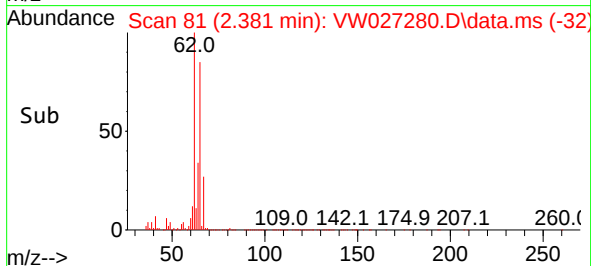
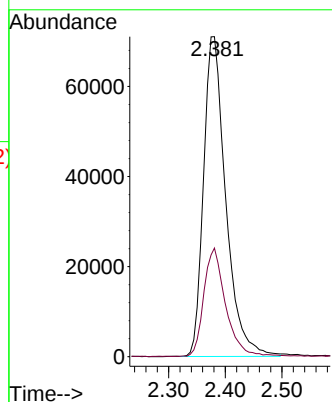
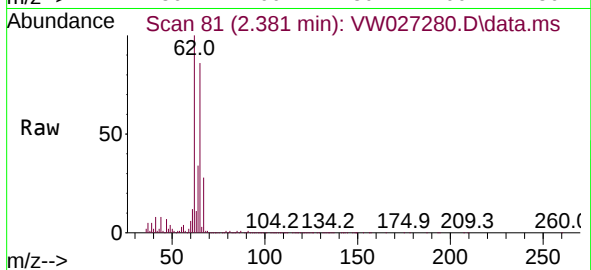
ClientSampleId :

Tgt Ion: 62 Resp: 193595

Ion Ratio Lower Upper

62 100

64 34.0 23.8 44.2



#6

Bromomethane

Concen: 24.701 ug/L

RT: 2.789 min Scan# 148

Delta R.T. 0.000 min

Lab File: VW027280.D

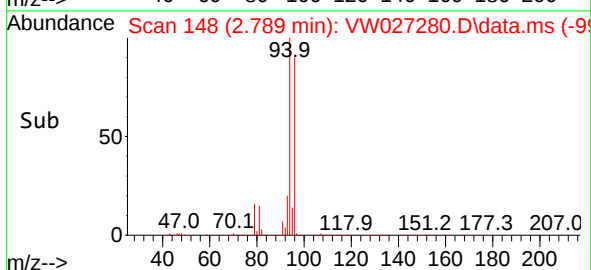
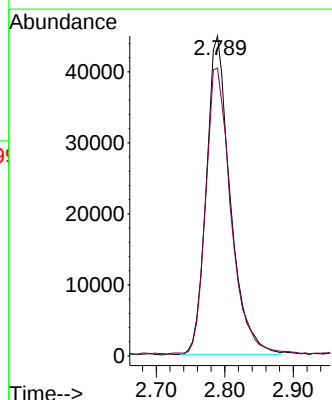
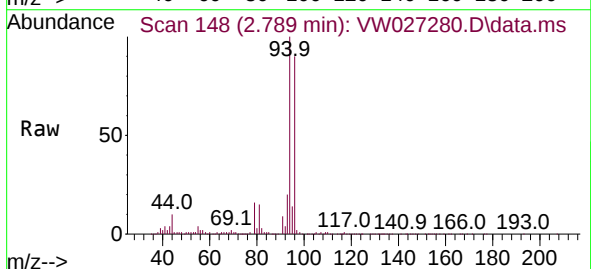
Acq: 11 Oct 2023 11:16

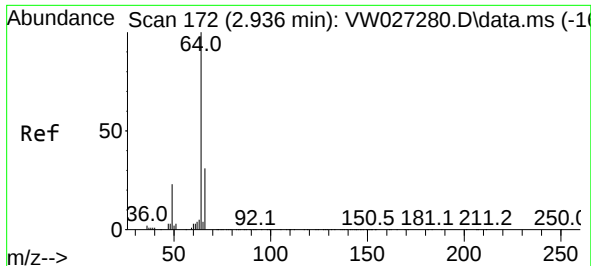
Tgt Ion: 94 Resp: 108899

Ion Ratio Lower Upper

94 100

96 89.9 62.9 116.9

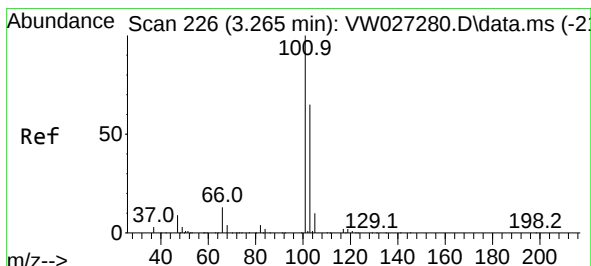
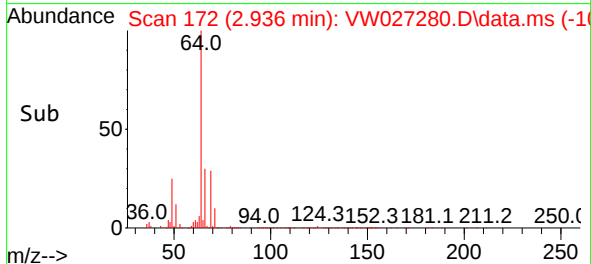
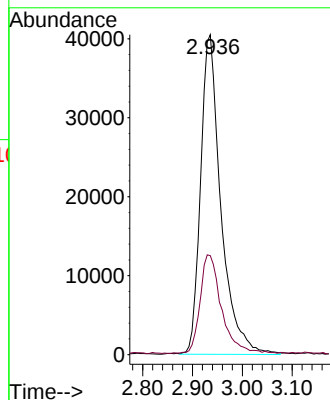
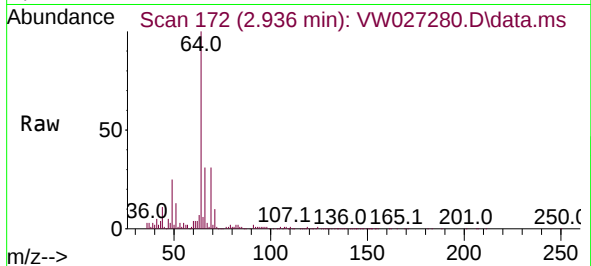




#8  
Chloroethane  
Concen: 25.695 ug/L  
RT: 2.936 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

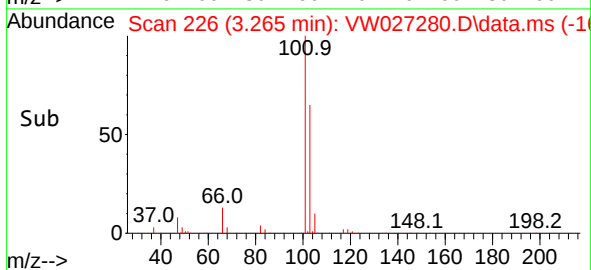
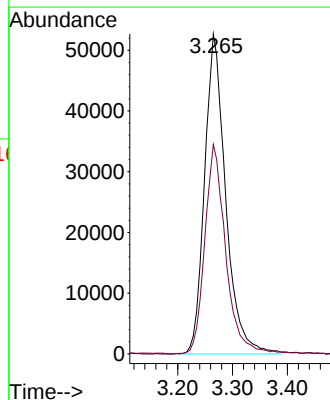
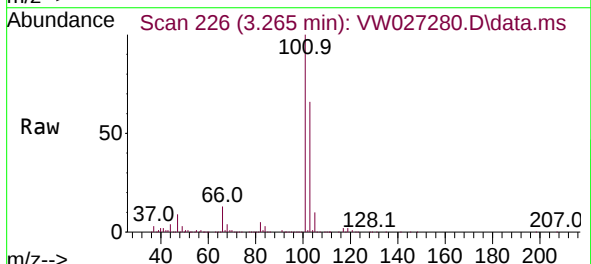
Instrument :  
MSVOA\_W  
ClientSampleId :

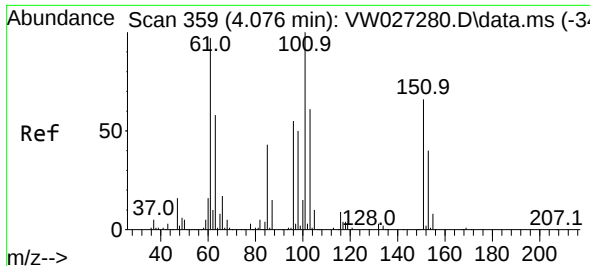
Tgt Ion: 64 Resp: 114482  
Ion Ratio Lower Upper  
64 100  
66 31.0 21.7 40.3



#9  
Trichlorofluoromethane  
Concen: 25.743 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Tgt Ion: 101 Resp: 140572  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.6 77.4

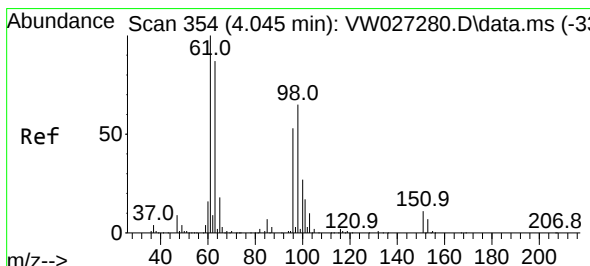
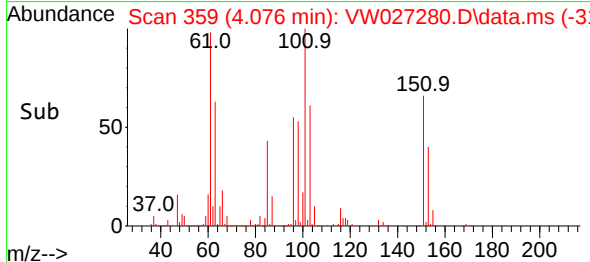
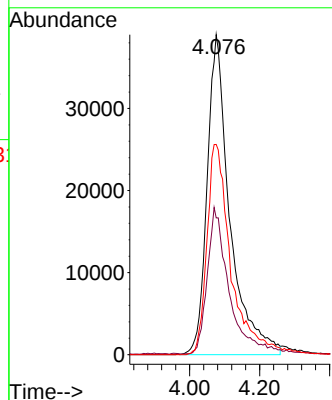
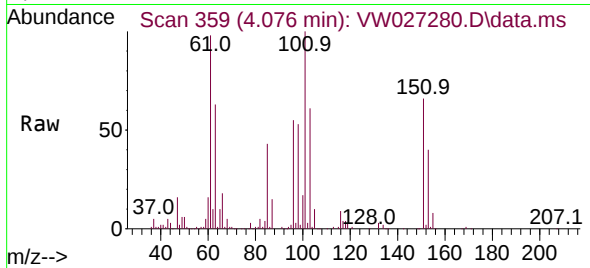




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 26.564 ug/L  
 RT: 4.076 min Scan# 359  
 Delta R.T. 0.000 min  
 Lab File: VW027280.D  
 Acq: 11 Oct 2023 11:16

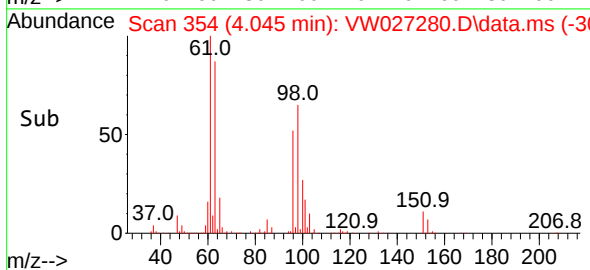
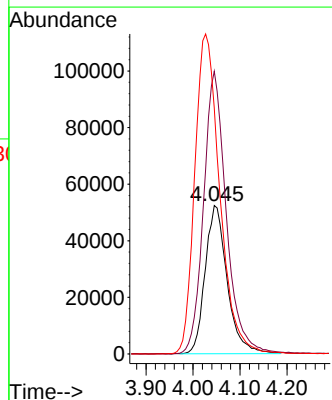
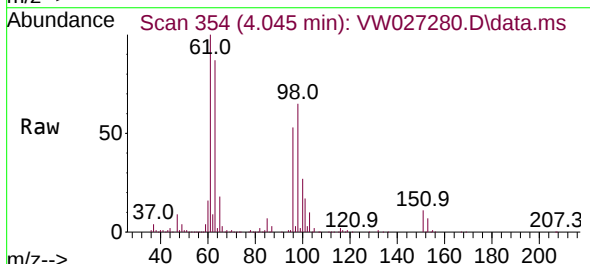
Instrument :  
 MSVOA\_W  
 ClientSampleId :

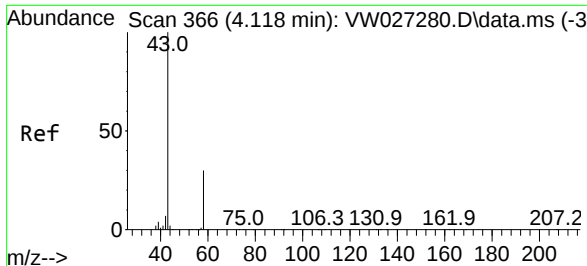
Tgt Ion:101 Resp: 175871  
 Ion Ratio Lower Upper  
 101 100  
 85 42.6 34.1 51.1  
 151 61.9 49.5 74.3



#12  
 1,1-Dichloroethene  
 Concen: 25.517 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.000 min  
 Lab File: VW027280.D  
 Acq: 11 Oct 2023 11:16

Tgt Ion: 96 Resp: 170659  
 Ion Ratio Lower Upper  
 96 100  
 61 190.4 133.3 247.5  
 63 165.5 115.8 215.2





#13

Acetone

Concen: 64.467 ug/L

RT: 4.118 min Scan# 366

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

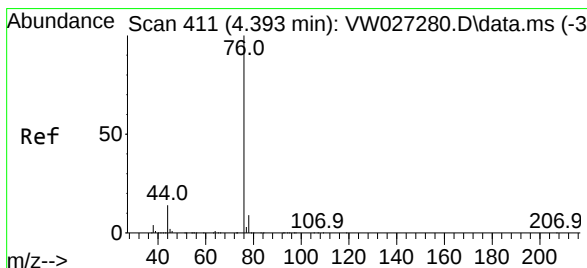
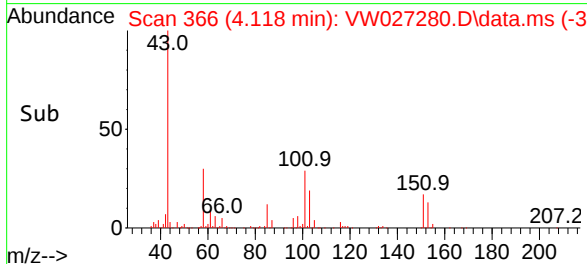
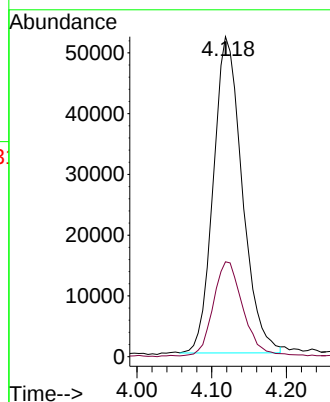
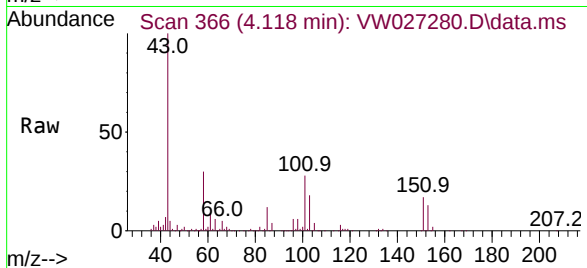
ClientSampleId :

Tgt Ion: 43 Resp: 139988

Ion Ratio Lower Upper

43 100

58 30.4 0.0 60.8



#14

Carbon disulfide

Concen: 24.719 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.000 min

Lab File: VW027280.D

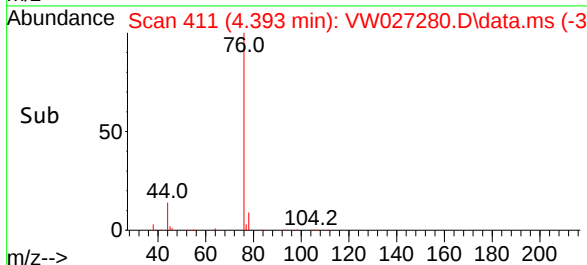
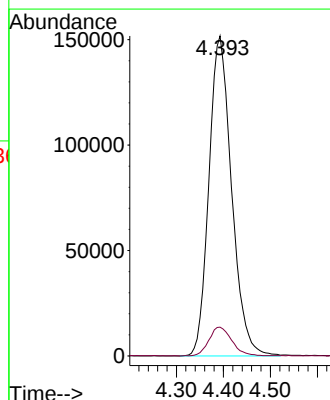
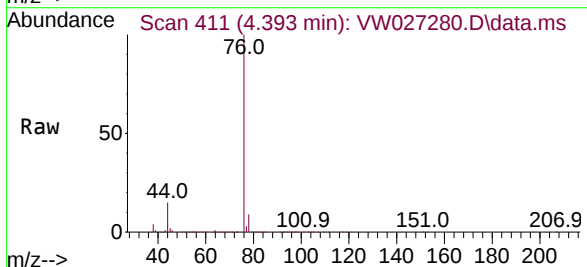
Acq: 11 Oct 2023 11:16

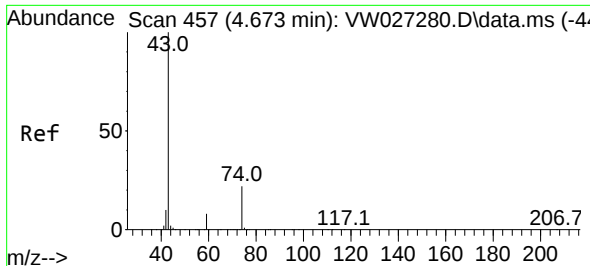
Tgt Ion: 76 Resp: 509225

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

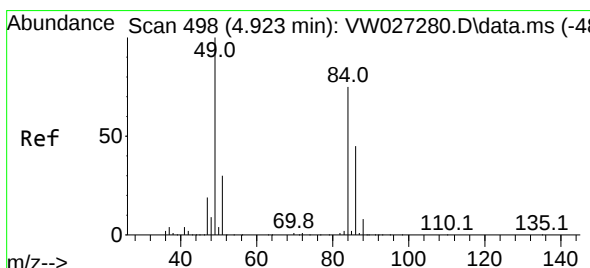
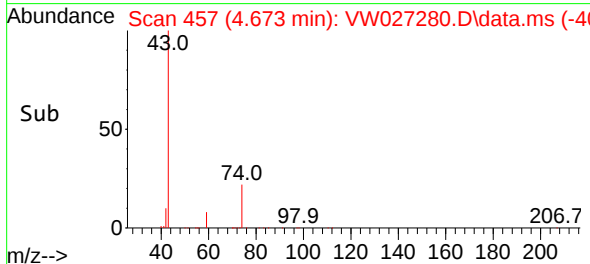
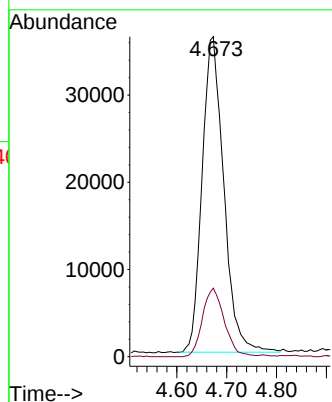
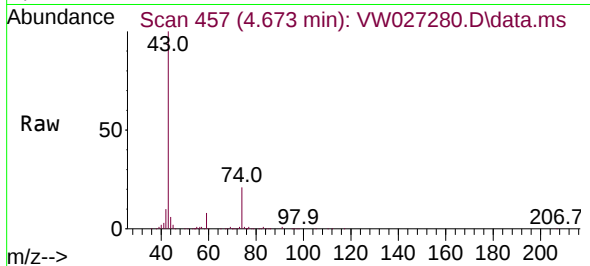




#15  
Methyl Acetate  
Concen: 28.788 ug/L  
RT: 4.673 min Scan# 457  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

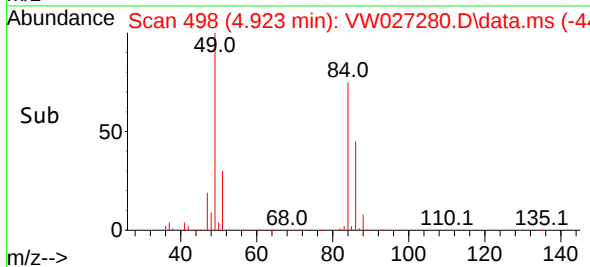
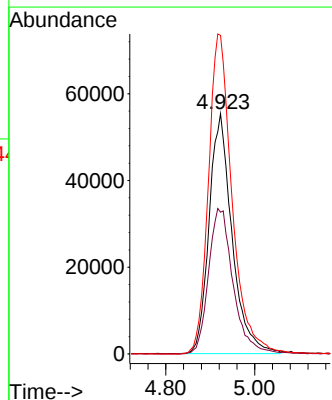
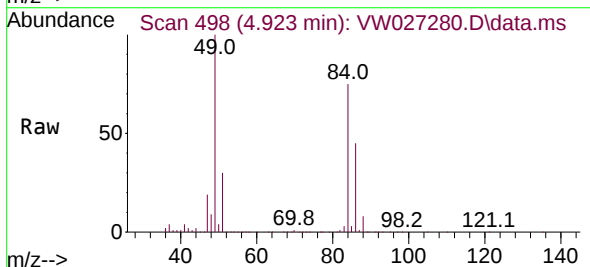
Instrument :  
MSVOA\_W  
ClientSampleId :

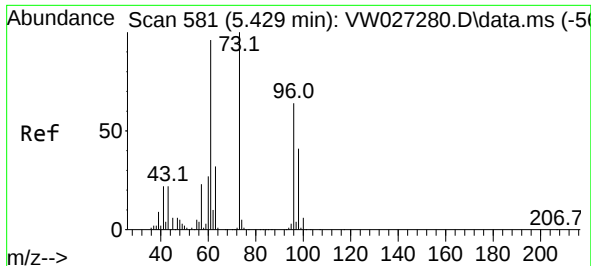
Tgt Ion: 43 Resp: 109168  
Ion Ratio Lower Upper  
43 100  
74 21.9 17.5 26.3



#16  
Methylene chloride  
Concen: 21.445 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Tgt Ion: 84 Resp: 198484  
Ion Ratio Lower Upper  
84 100  
86 59.0 41.3 76.7  
49 132.6 92.8 172.4

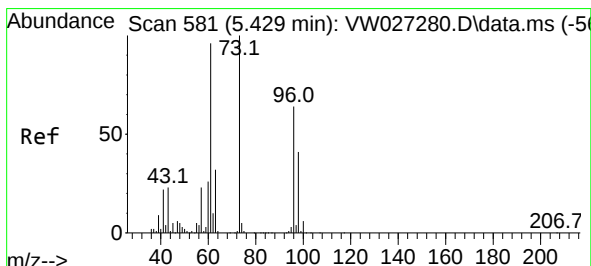
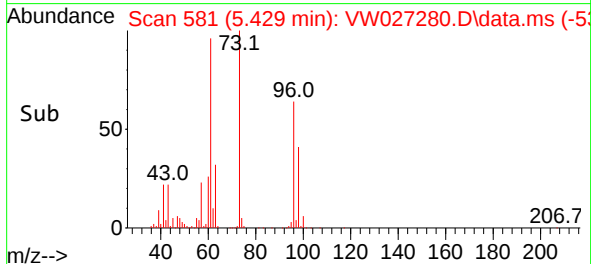
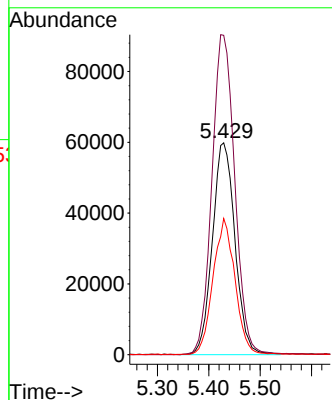
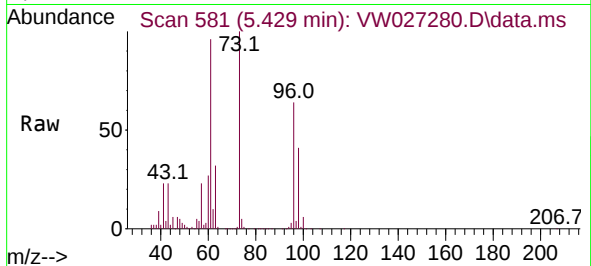




#17  
trans-1,2-Dichloroethene  
Concen: 25.624 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

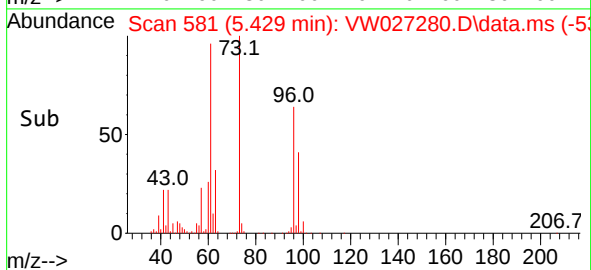
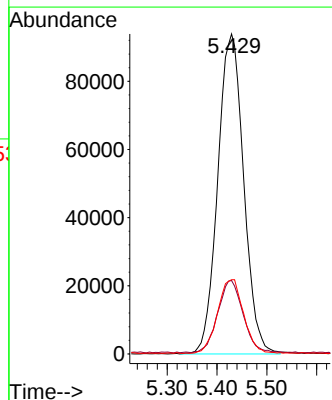
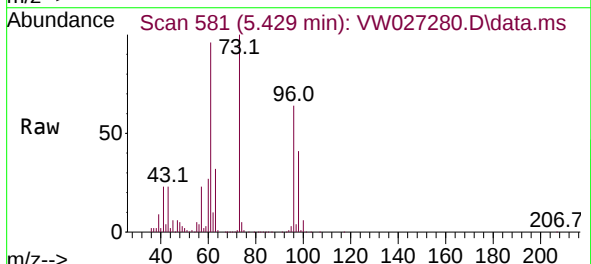
Instrument :  
MSVOA\_W  
ClientSampleId :

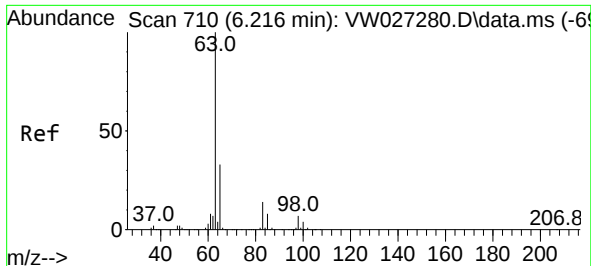
Tgt Ion: 96 Resp: 182975  
Ion Ratio Lower Upper  
96 100  
61 150.8 105.6 196.0  
98 64.3 45.0 83.6



#18  
Methyl tert-butyl Ether  
Concen: 27.520 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Tgt Ion: 73 Resp: 339092  
Ion Ratio Lower Upper  
73 100  
43 22.1 17.7 26.5  
57 23.1 18.5 27.7





#19

1,1-Dichloroethane

Concen: 25.770 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

ClientSampleId :

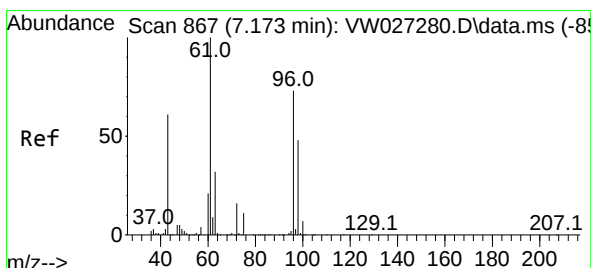
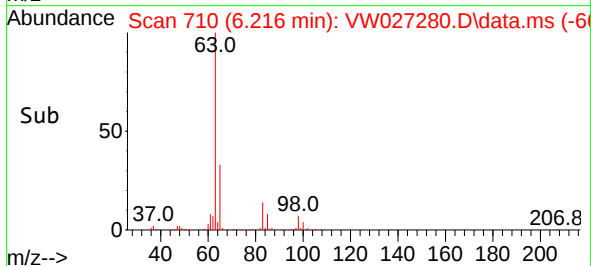
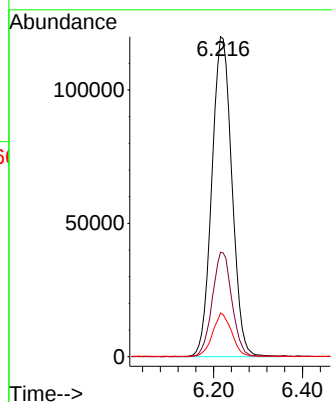
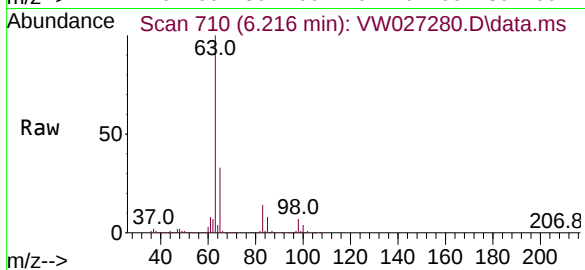
Tgt Ion: 63 Resp: 375489

Ion Ratio Lower Upper

63 100

65 32.7 22.9 42.5

83 13.7 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 25.803 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

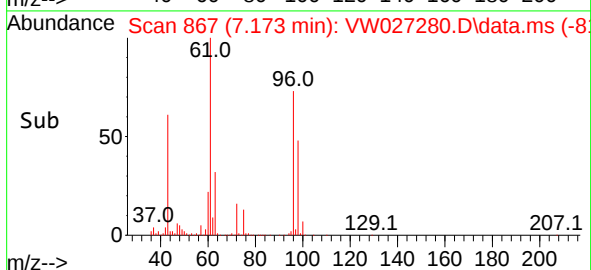
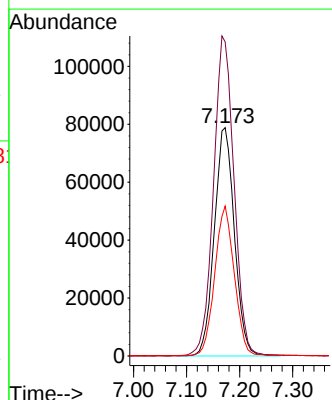
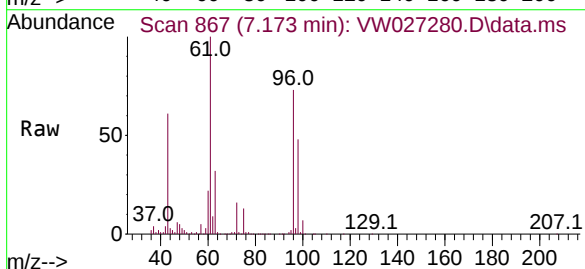
Tgt Ion: 96 Resp: 208107

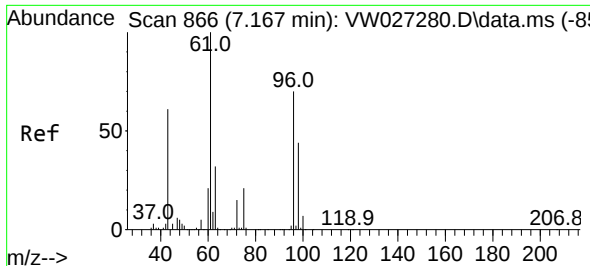
Ion Ratio Lower Upper

96 100

61 137.5 96.2 178.8

98 65.7 46.0 85.4

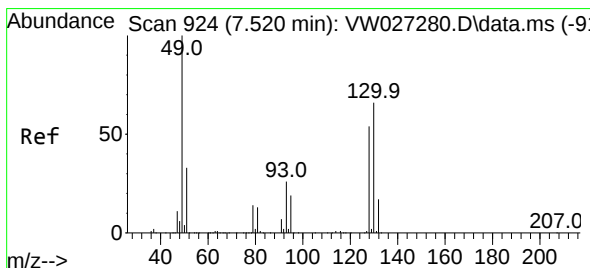
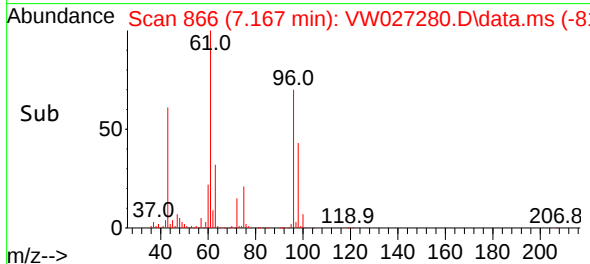
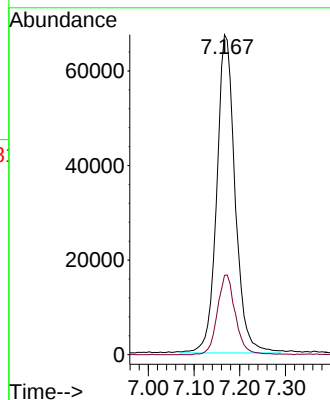
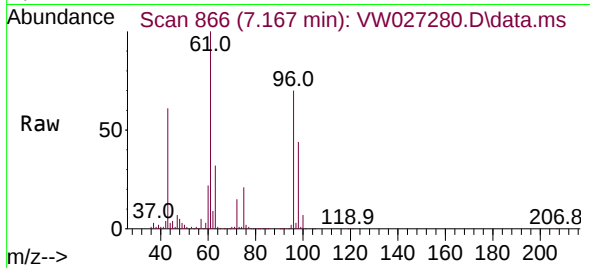




#22  
2-Butanone  
Concen: 56.508 ug/L  
RT: 7.167 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

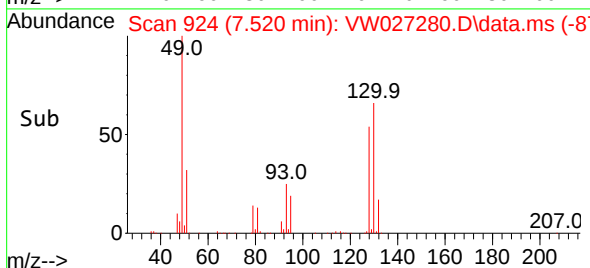
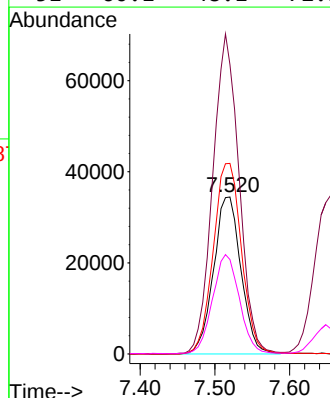
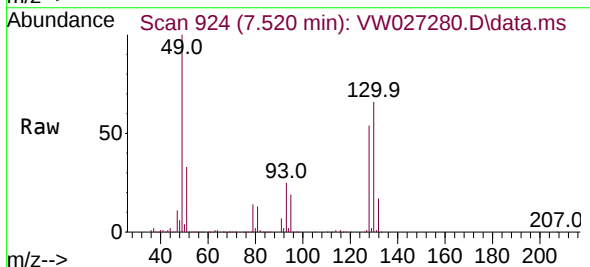
Instrument :  
MSVOA\_W  
ClientSampleId :

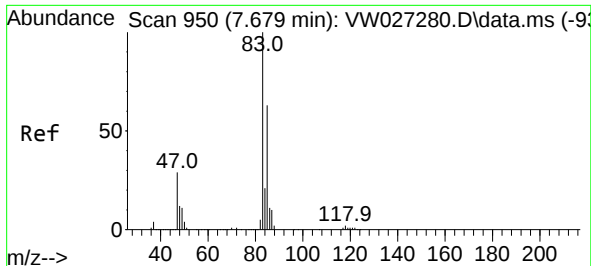
Tgt Ion: 43 Resp: 187793  
Ion Ratio Lower Upper  
43 100  
72 24.5 12.3 36.8



#23  
Bromochloromethane  
Concen: 26.359 ug/L  
RT: 7.520 min Scan# 924  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Tgt Ion: 128 Resp: 87769  
Ion Ratio Lower Upper  
128 100  
49 184.2 128.9 239.5  
130 121.4 85.0 157.8  
51 60.1 48.1 72.1

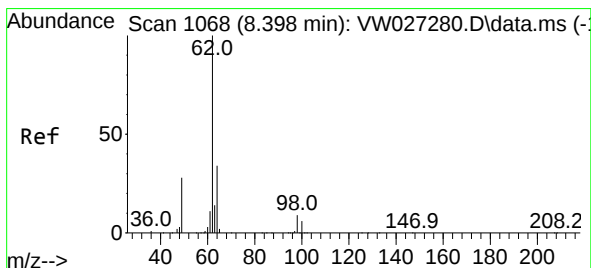
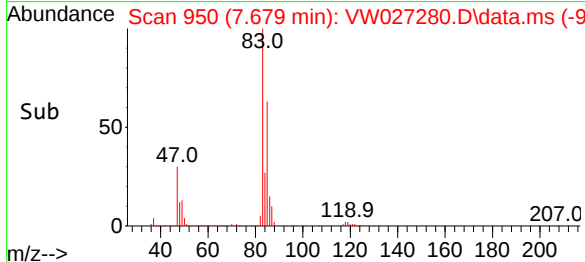
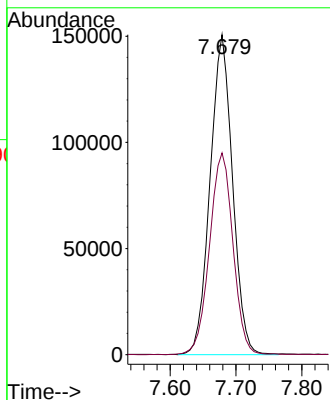
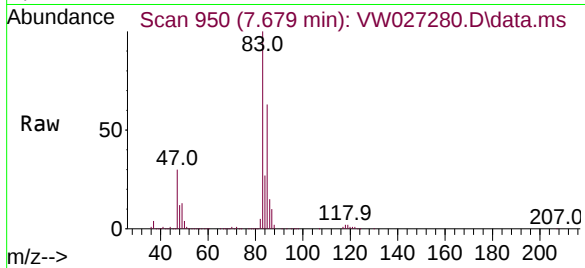




#25  
Chloroform  
Concen: 26.235 ug/L  
RT: 7.679 min Scan# 950  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

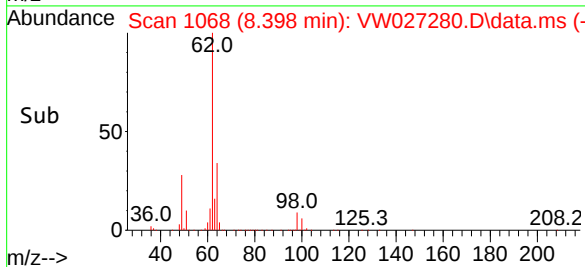
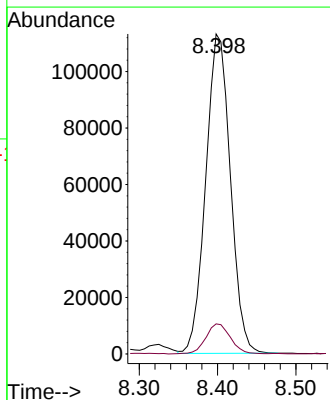
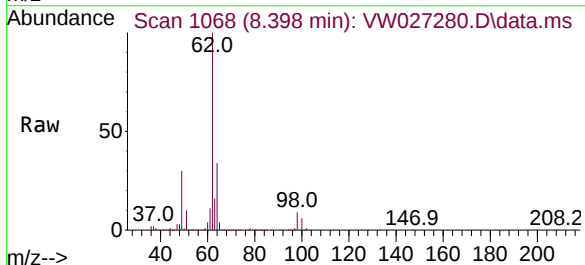
Instrument :  
MSVOA\_W  
ClientSampleId :

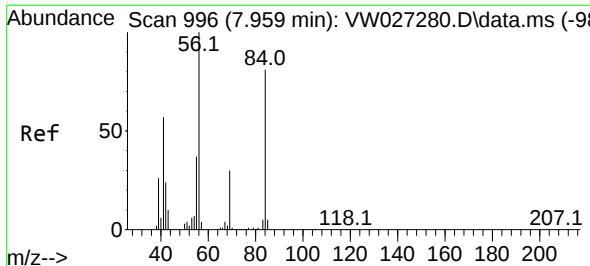
Tgt Ion: 83 Resp: 357770  
Ion Ratio Lower Upper  
83 100  
85 63.0 44.1 81.9



#27  
1,2-Dichloroethane  
Concen: 26.689 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Tgt Ion: 62 Resp: 247241  
Ion Ratio Lower Upper  
62 100  
98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 24.684 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

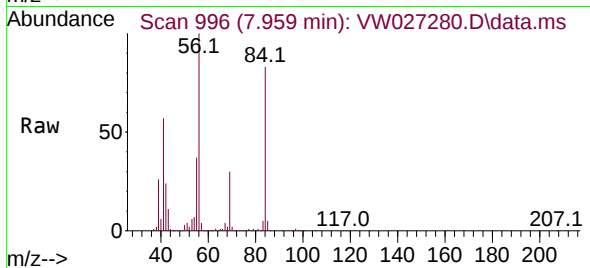
Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

ClientSampleId :



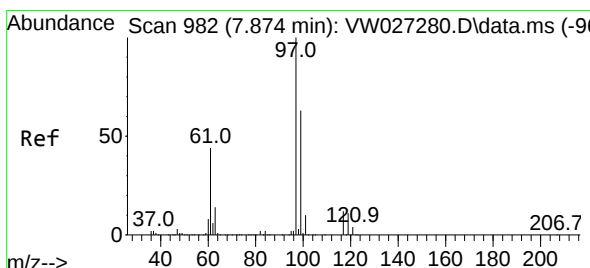
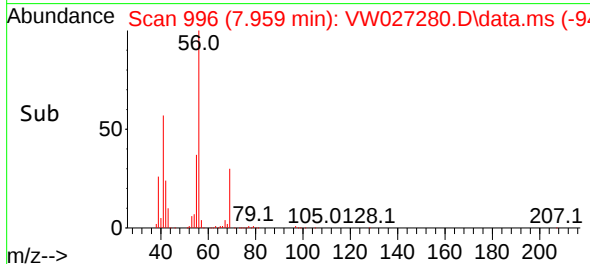
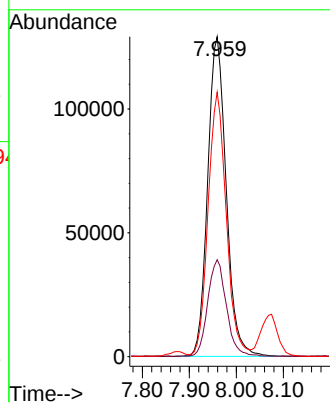
Tgt Ion: 56 Resp: 352725

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

84 81.4 65.1 97.7



#30

1,1,1-Trichloroethane

Concen: 25.553 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

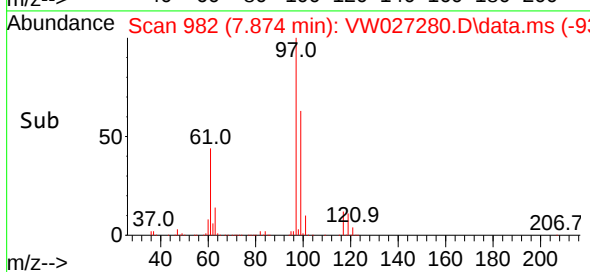
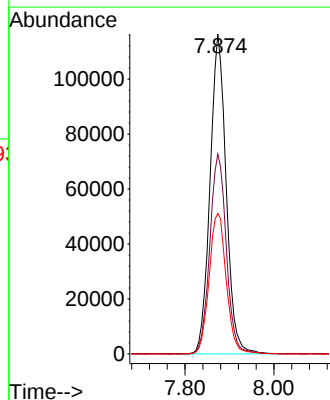
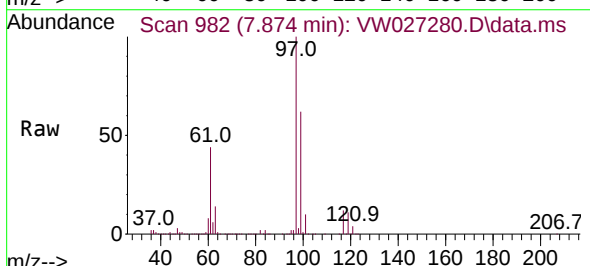
Tgt Ion: 97 Resp: 293351

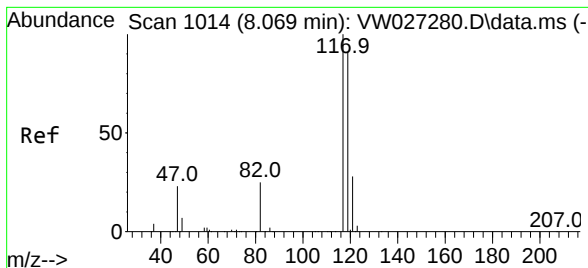
Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 46.7 37.4 56.0





#31

Carbon tetrachloride

Concen: 25.304 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

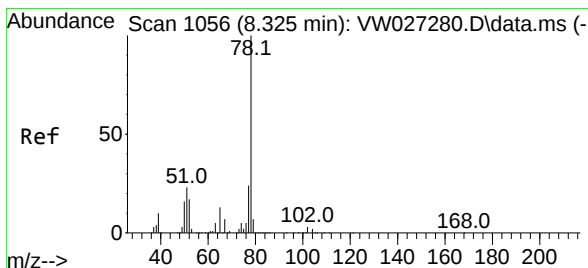
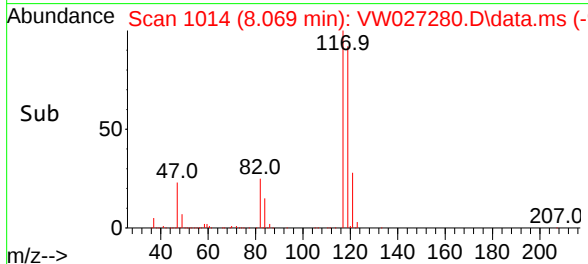
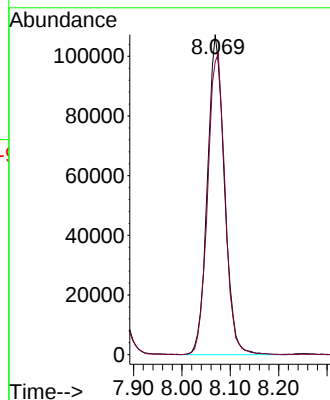
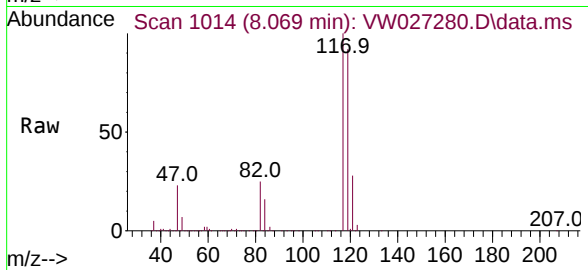
ClientSampleId :

Tgt Ion:117 Resp: 261935

Ion Ratio Lower Upper

117 100

119 96.4 77.1 115.7



#33

Benzene

Concen: 25.322 ug/L

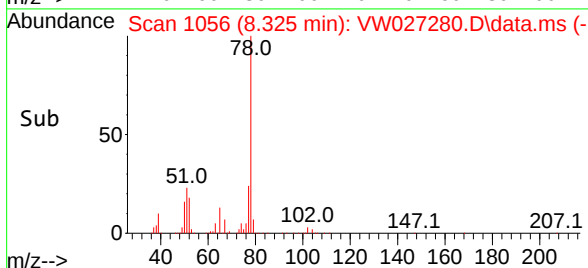
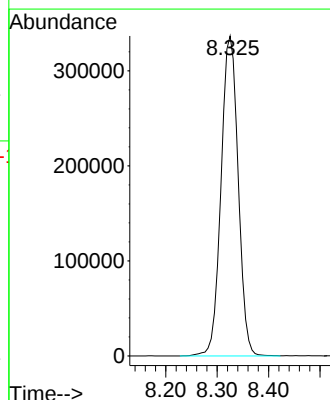
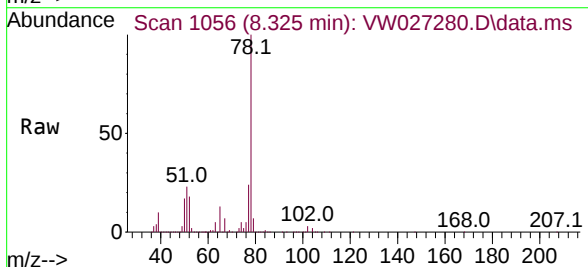
RT: 8.325 min Scan# 1056

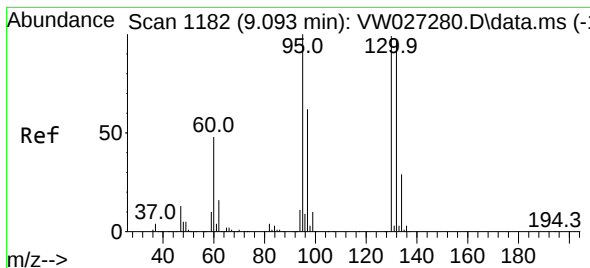
Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Tgt Ion: 78 Resp: 778829





#34

Trichloroethene

Concen: 25.614 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

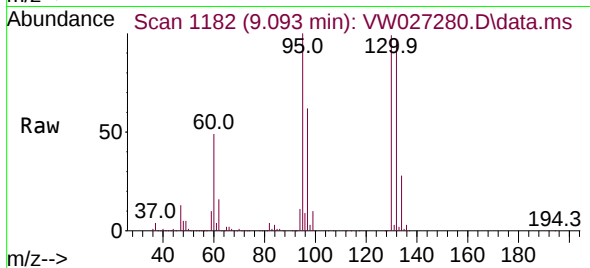
Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 208103

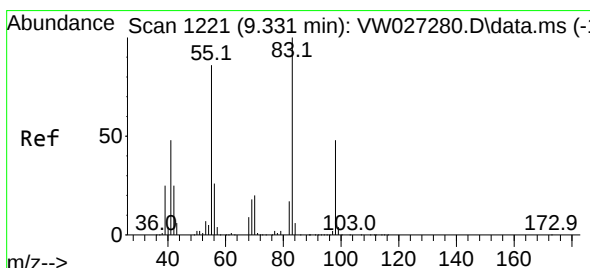
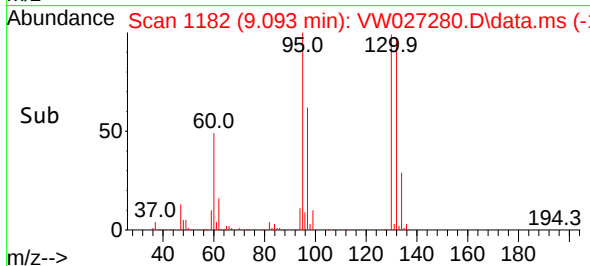
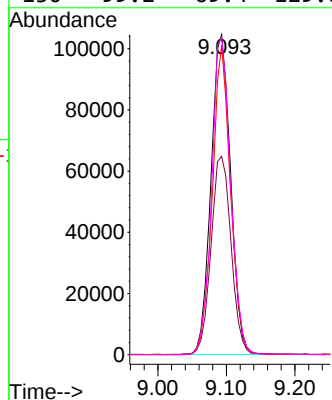
Ion Ratio Lower Upper

95 100

97 62.0 43.4 80.6

132 96.6 67.6 125.6

130 99.2 69.4 129.0



#35

Methylcyclohexane

Concen: 25.013 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

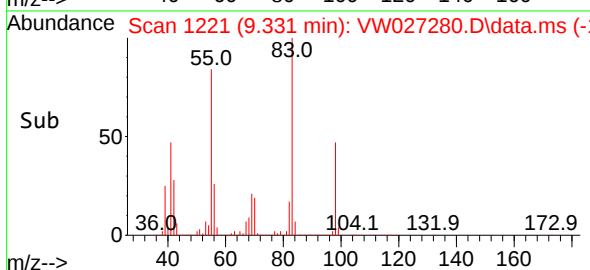
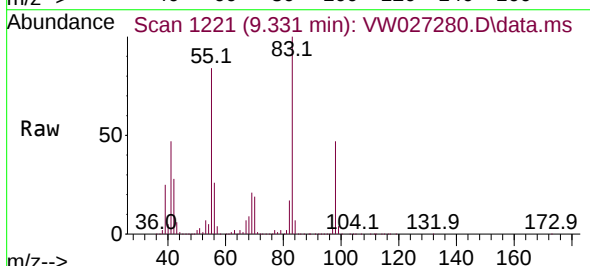
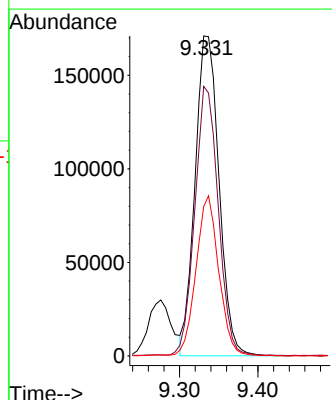
Tgt Ion: 83 Resp: 363417

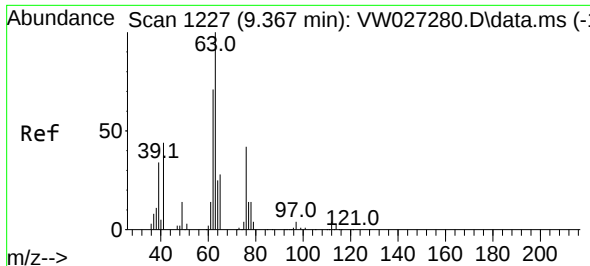
Ion Ratio Lower Upper

83 100

55 82.3 65.8 98.8

98 47.6 38.1 57.1





#37

1,2-Dichloropropane

Concen: 25.808 ug/L

RT: 9.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

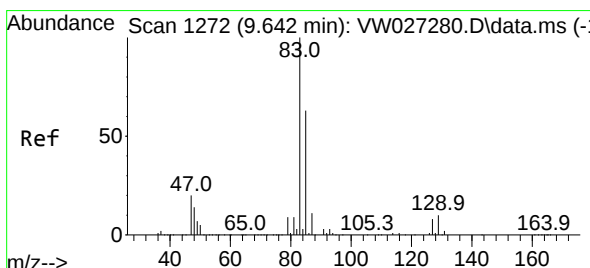
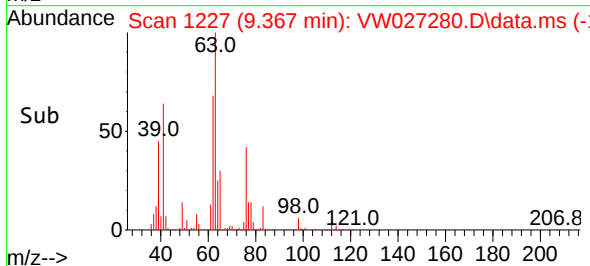
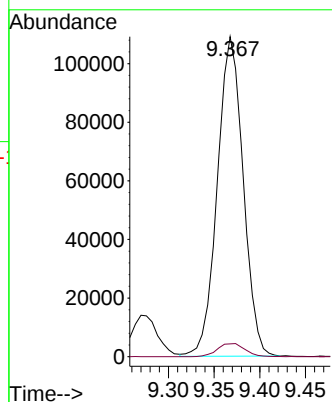
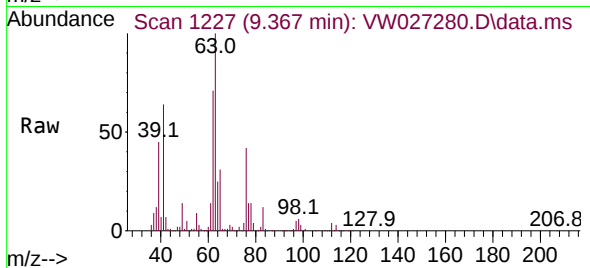
ClientSampleId :

Tgt Ion: 63 Resp: 214631

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 26.033 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

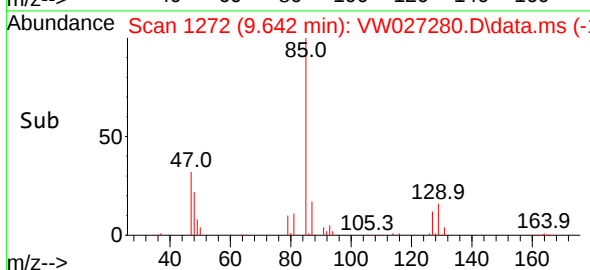
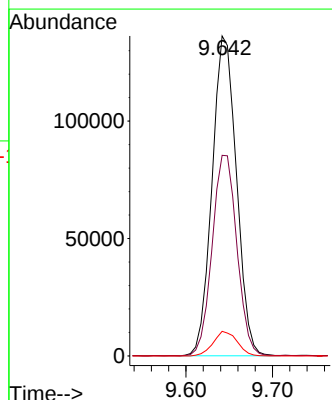
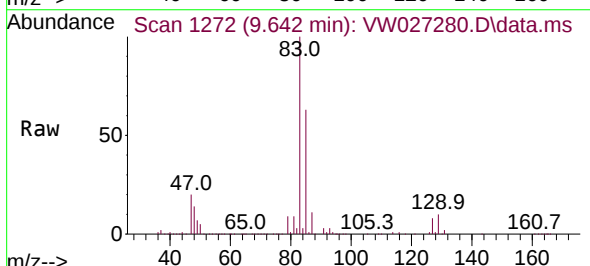
Tgt Ion: 83 Resp: 266217

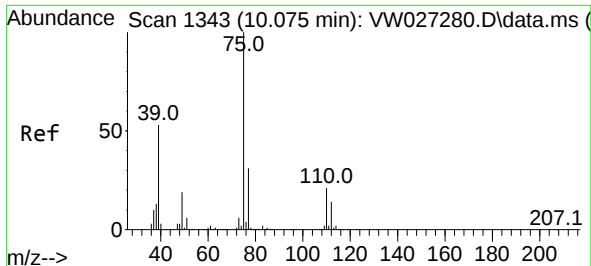
Ion Ratio Lower Upper

83 100

85 62.7 43.9 81.5

127 7.7 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 26.150 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

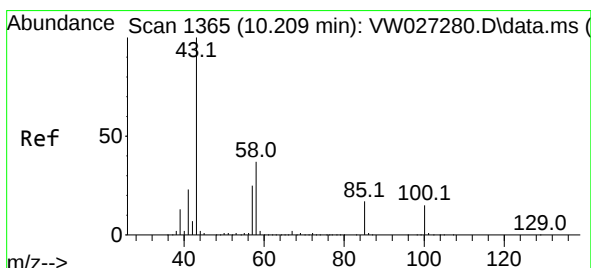
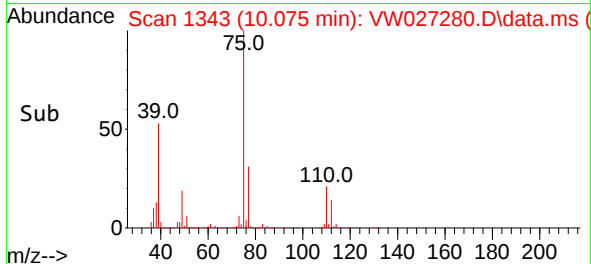
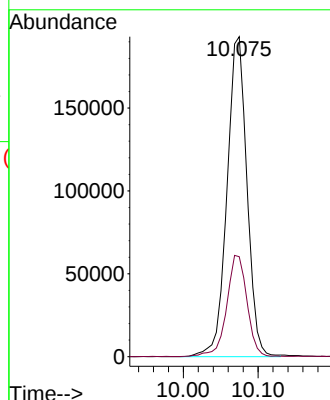
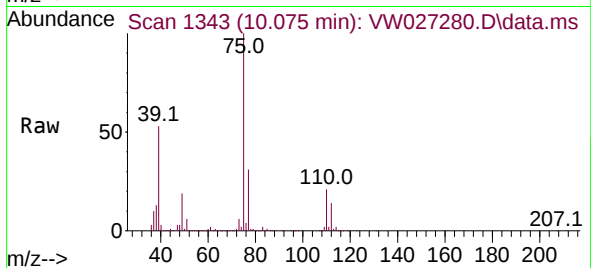
ClientSampleId :

Tgt Ion: 75 Resp: 359248

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 56.683 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

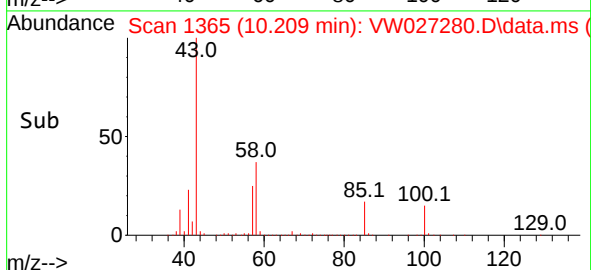
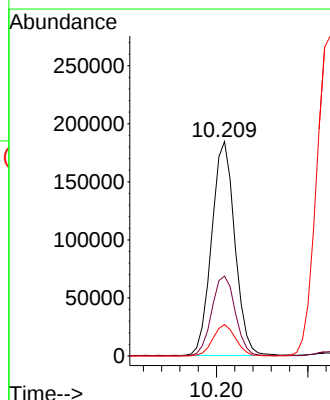
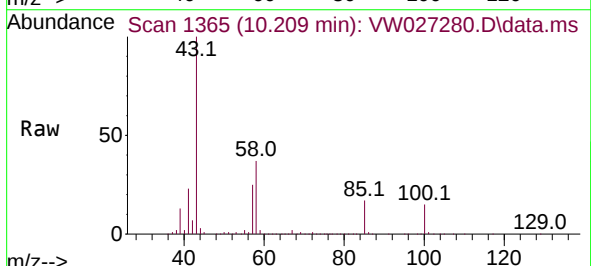
Tgt Ion: 43 Resp: 324189

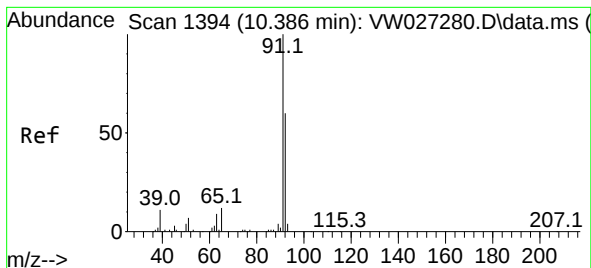
Ion Ratio Lower Upper

43 100

58 38.1 30.5 45.7

100 14.4 11.5 17.3





#42

Toluene

Concen: 25.214 ug/L

RT: 10.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

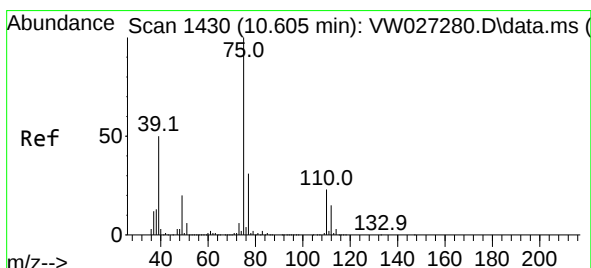
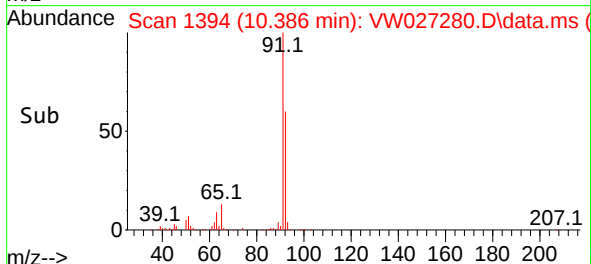
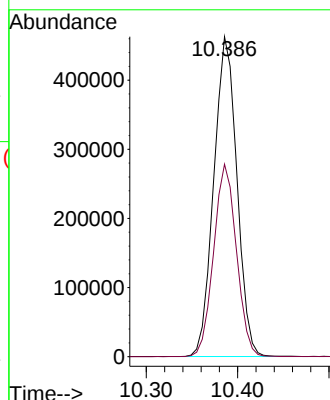
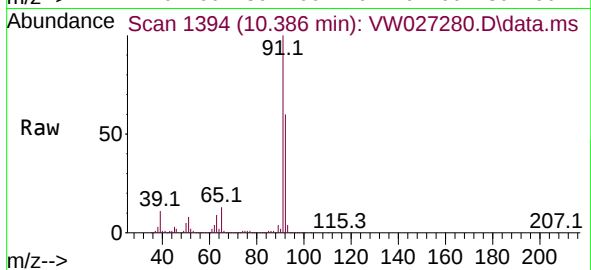
ClientSampleId :

Tgt Ion: 91 Resp: 813546

Ion Ratio Lower Upper

91 100

92 60.1 42.1 78.1



#44

trans-1,3-Dichloropropene

Concen: 26.701 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW027280.D

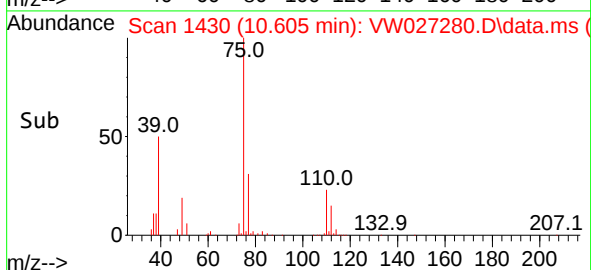
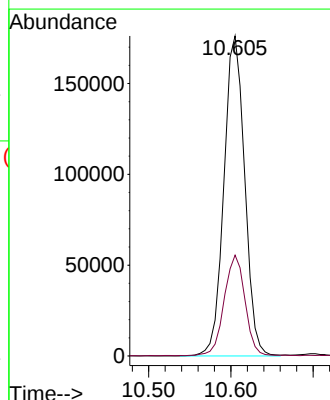
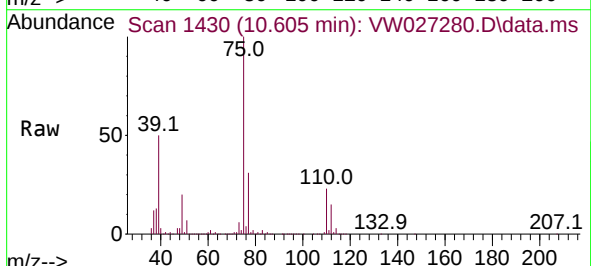
Acq: 11 Oct 2023 11:16

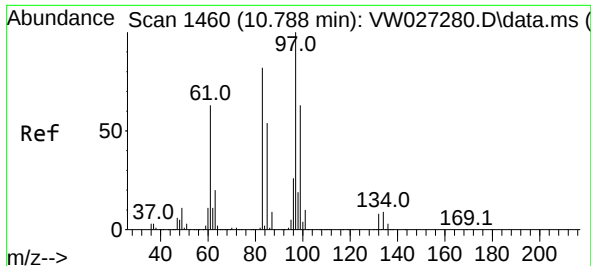
Tgt Ion: 75 Resp: 309503

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 26.884 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 153850

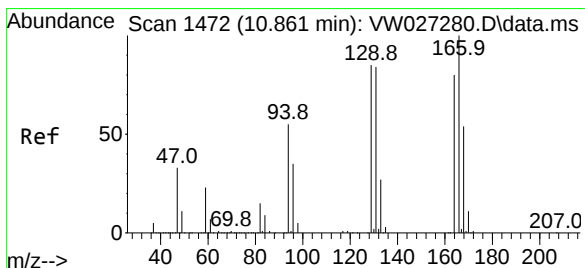
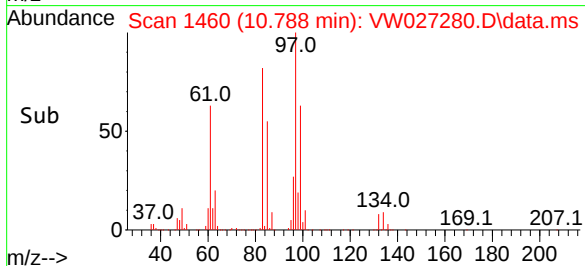
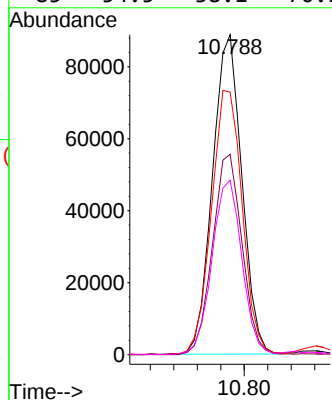
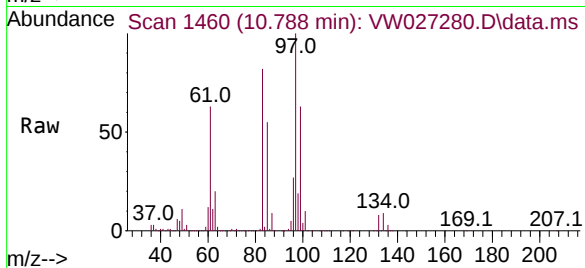
Ion Ratio Lower Upper

97 100

99 62.6 43.8 81.4

83 82.1 57.5 106.7

85 54.5 38.1 70.9



#46

Tetrachloroethene

Concen: 24.884 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Tgt Ion:164 Resp: 139600

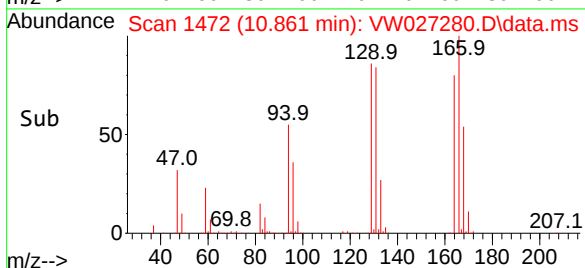
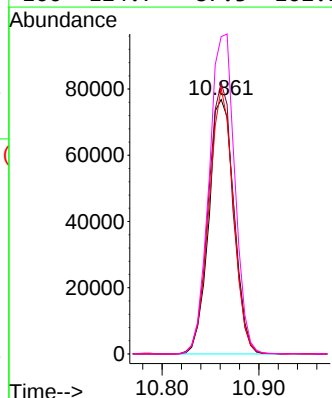
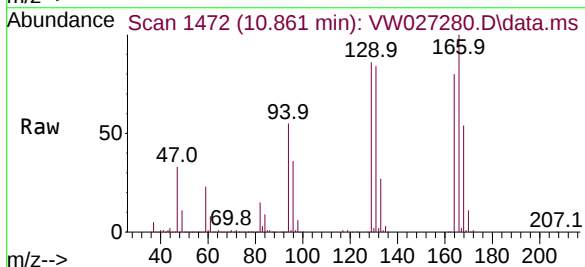
Ion Ratio Lower Upper

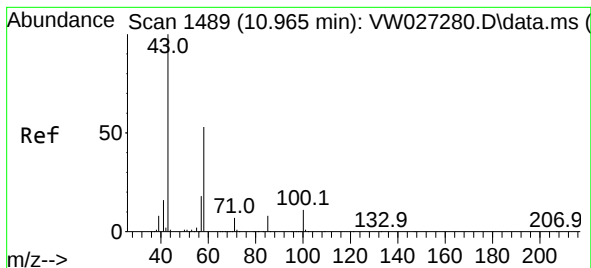
164 100

129 106.7 74.7 138.7

131 104.6 73.2 136.0

166 124.7 87.3 162.1





#48

2-Hexanone

Concen: 60.869 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 43 Resp: 257665

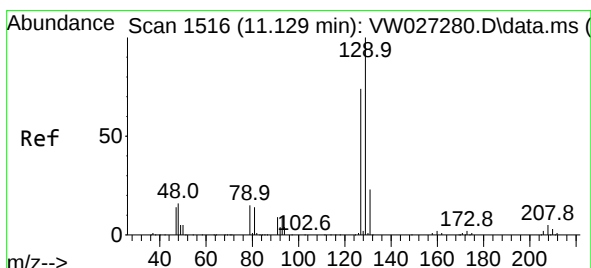
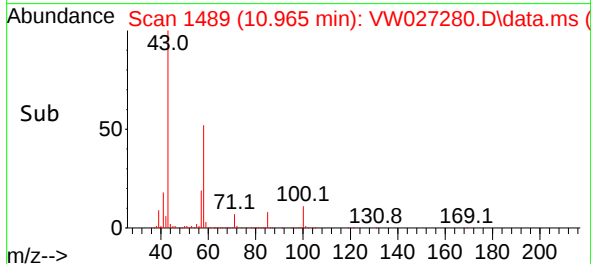
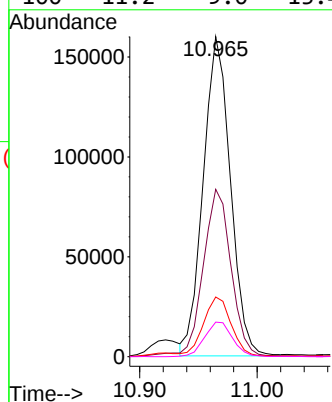
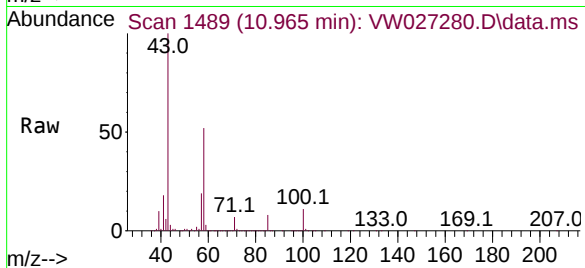
Ion Ratio Lower Upper

43 100

58 52.8 42.2 63.4

57 18.9 15.1 22.7

100 11.2 9.0 13.4



#49

Dibromochloromethane

Concen: 26.626 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VW027280.D

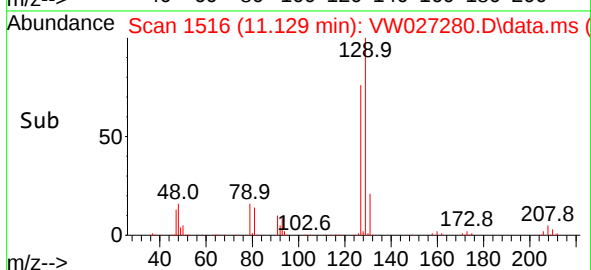
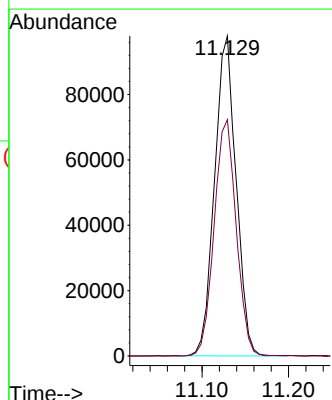
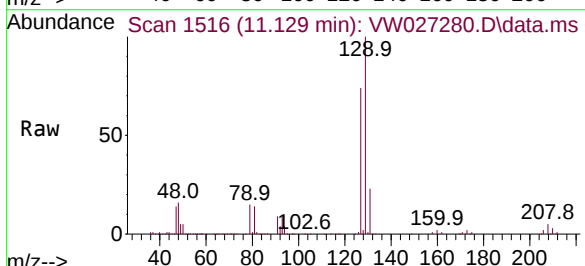
Acq: 11 Oct 2023 11:16

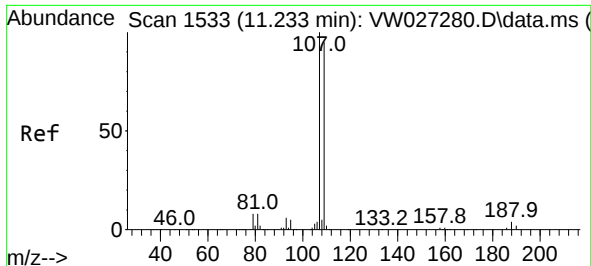
Tgt Ion:129 Resp: 169224

Ion Ratio Lower Upper

129 100

127 73.8 51.7 95.9





#50

1,2-Dibromoethane

Concen: 27.017 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW027280.D

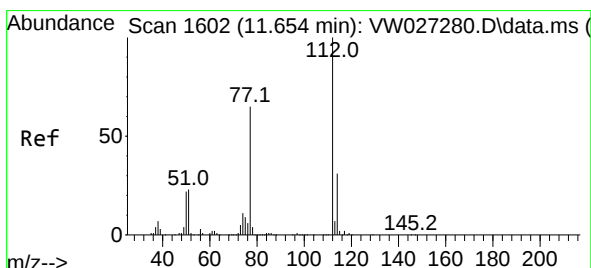
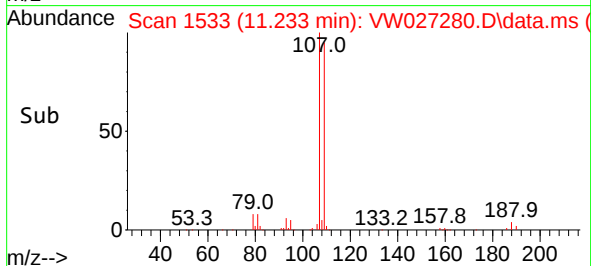
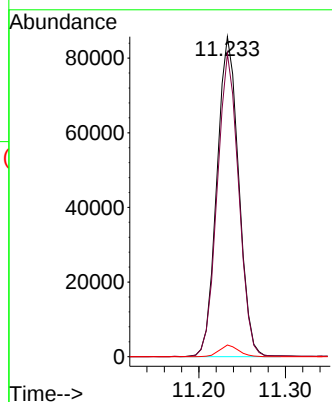
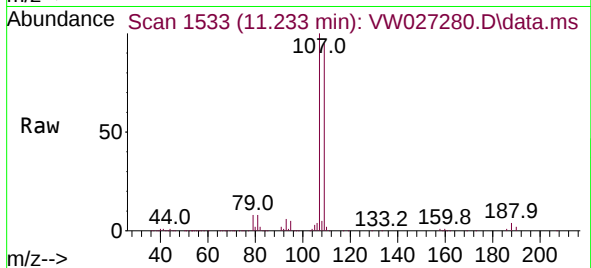
Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 149903 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 109      | 94.7  | 66.3  | 123.1  |
| 188      | 3.7   | 3.0   | 4.4    |



#51

Chlorobenzene

Concen: 25.452 ug/L

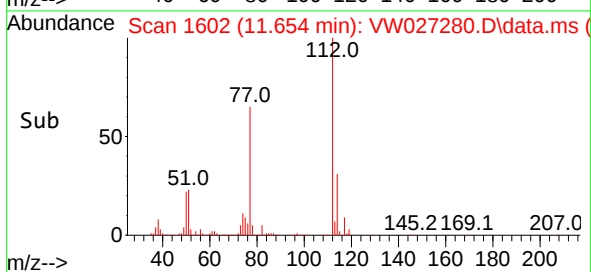
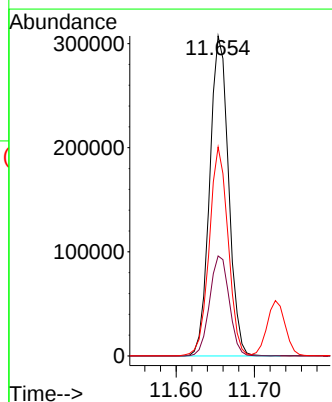
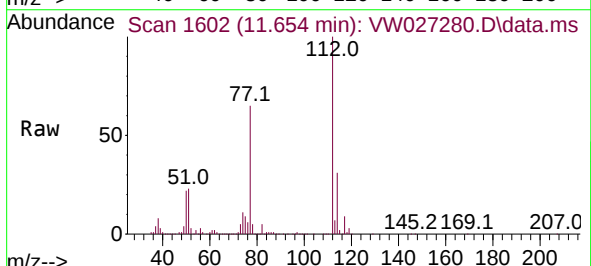
RT: 11.654 min Scan# 1602

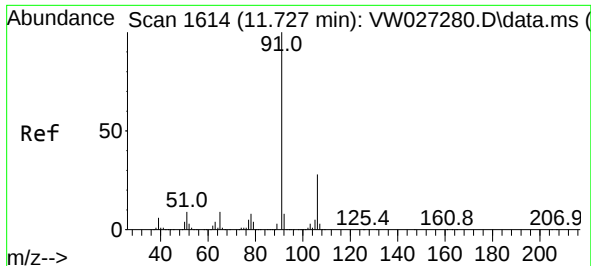
Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 514252 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.2  | 21.8  | 40.6   |
| 77       | 65.3  | 52.2  | 78.4   |

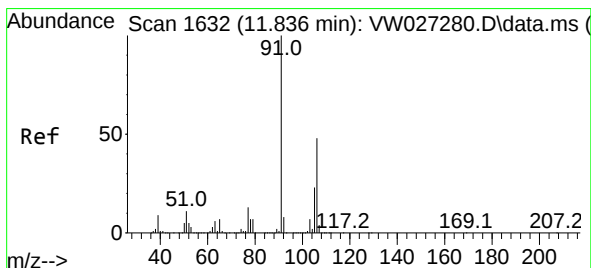
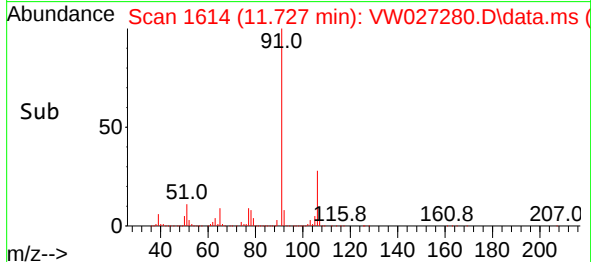
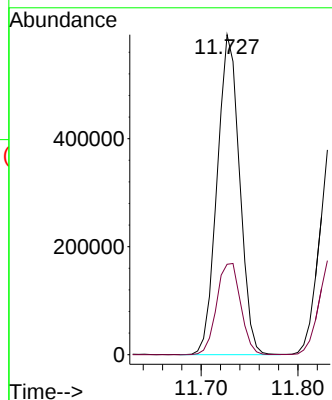
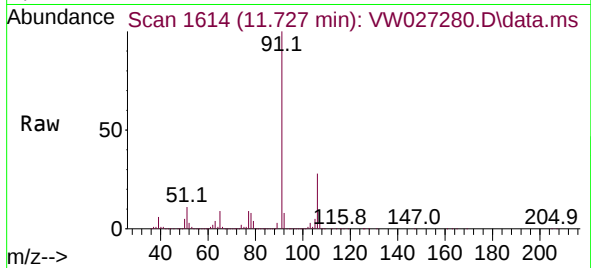




#52  
Ethylbenzene  
Concen: 25.409 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

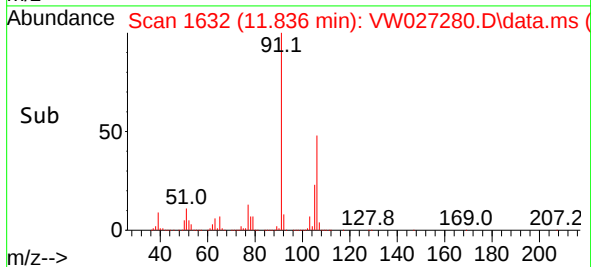
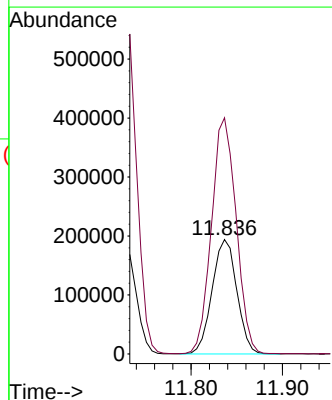
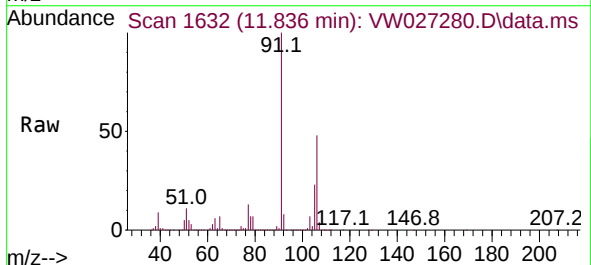
Instrument :  
MSVOA\_W  
ClientSampleId :

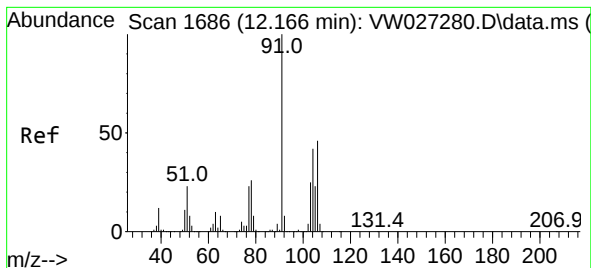
Tgt Ion: 91 Resp: 952699  
Ion Ratio Lower Upper  
91 100  
106 28.3 19.8 36.8



#53  
m,p-Xylene  
Concen: 25.621 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Tgt Ion:106 Resp: 364366  
Ion Ratio Lower Upper  
106 100  
91 206.5 144.5 268.4





#54

o-Xylene

Concen: 25.475 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

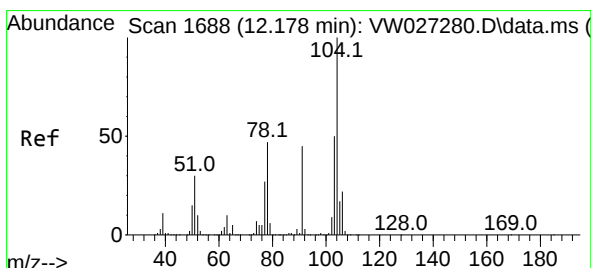
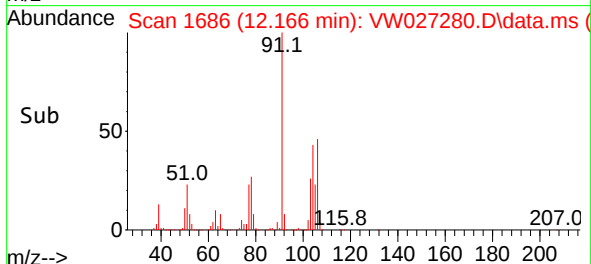
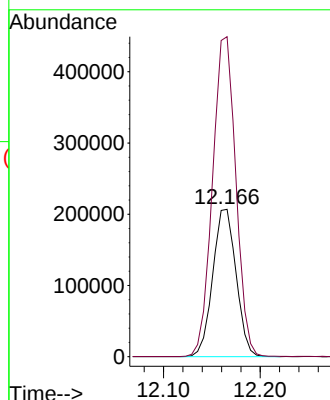
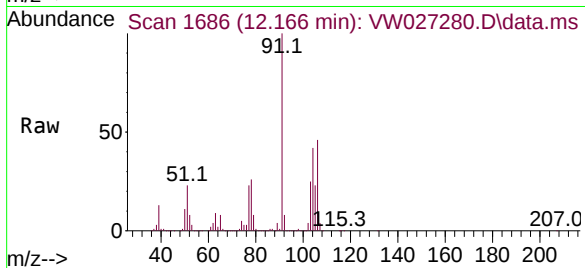
ClientSampleId :

Tgt Ion:106 Resp: 346923

Ion Ratio Lower Upper

106 100

91 217.1 152.0 282.2



#55

Styrene

Concen: 25.854 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW027280.D

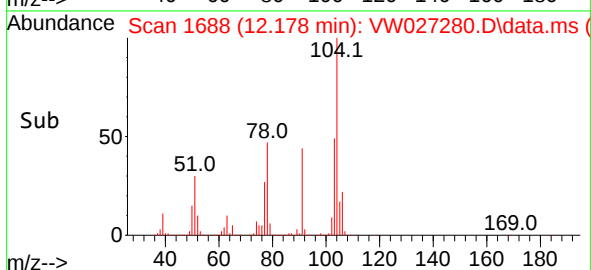
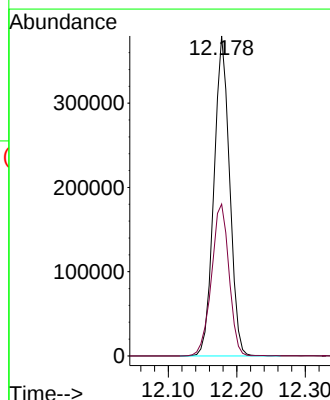
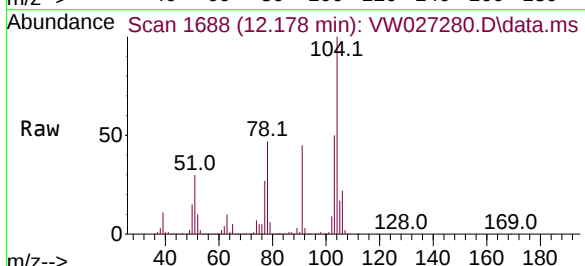
Acq: 11 Oct 2023 11:16

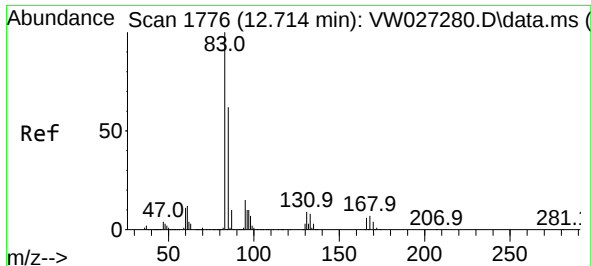
Tgt Ion:104 Resp: 601310

Ion Ratio Lower Upper

104 100

78 47.4 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 27.765 ug/L

RT: 12.714 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

ClientSampleId :

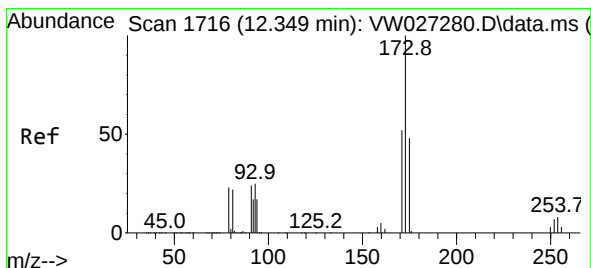
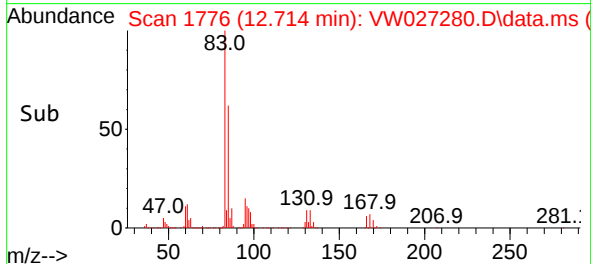
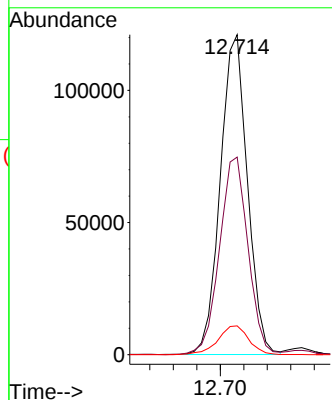
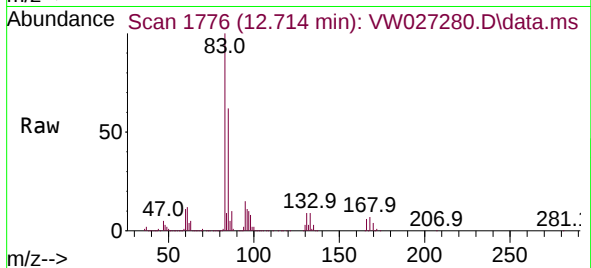
Tgt Ion: 83 Resp: 193973

Ion Ratio Lower Upper

83 100

85 61.7 43.2 80.2

131 9.0 7.2 10.8



#59

Bromoform

Concen: 28.579 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

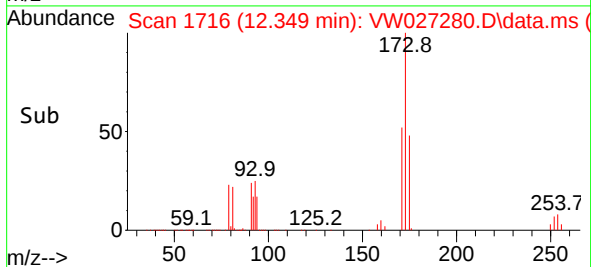
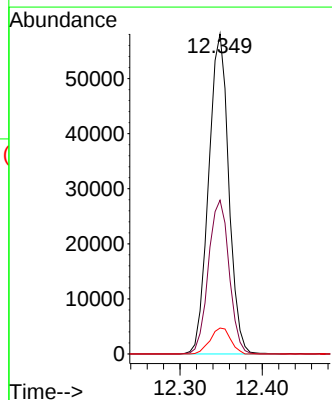
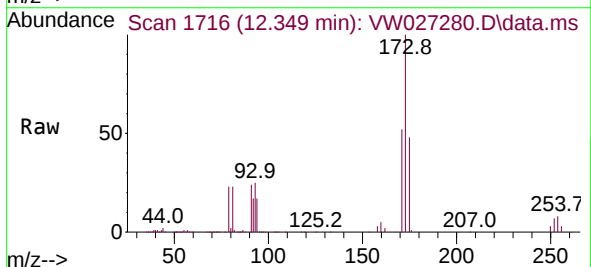
Tgt Ion:173 Resp: 98544

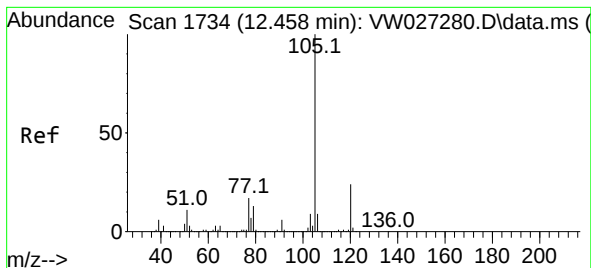
Ion Ratio Lower Upper

173 100

175 49.5 39.6 59.4

254 8.3 6.6 10.0





#60

Isopropylbenzene

Concen: 26.632 ug/L

RT: 12.458 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

ClientSampleId :

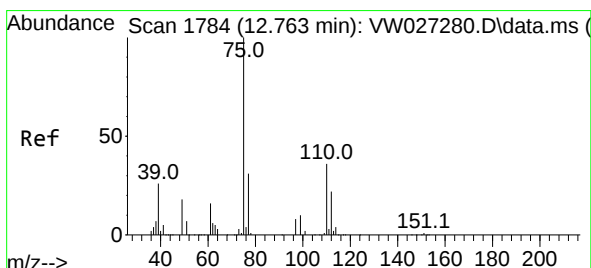
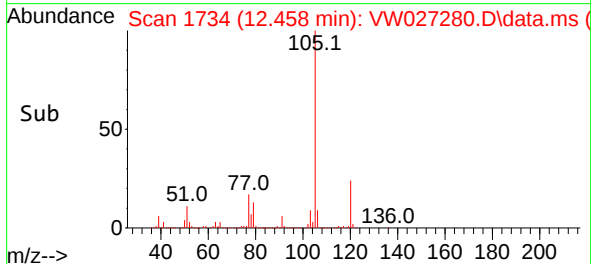
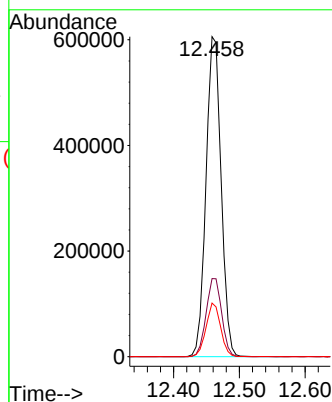
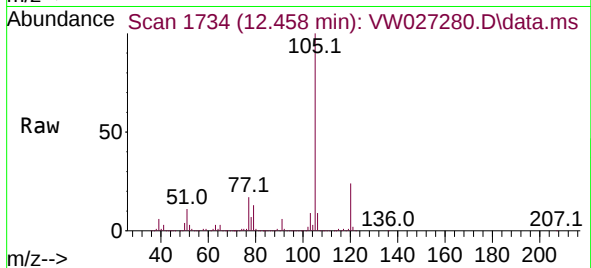
Tgt Ion:105 Resp: 969511

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

77 16.1 12.9 19.3



#61

1,2,3-Trichloropropane

Concen: 28.569 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

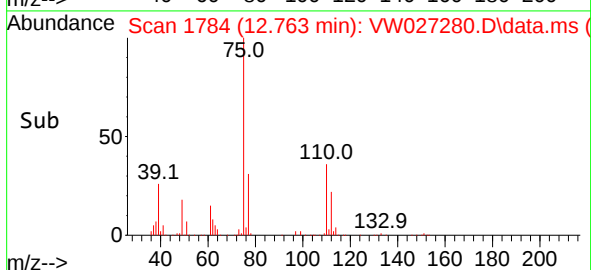
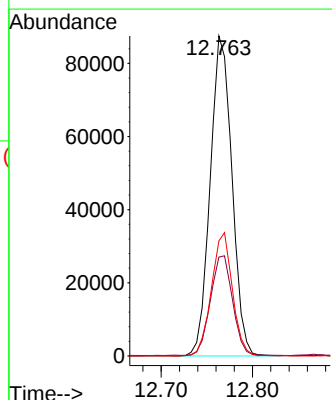
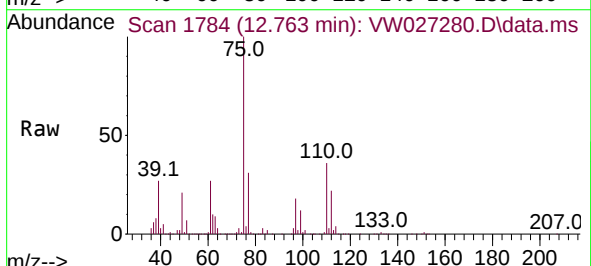
Tgt Ion: 75 Resp: 144552

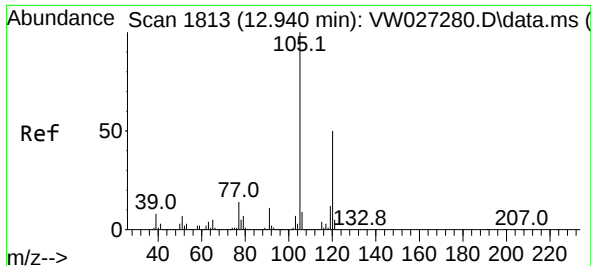
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

110 37.1 29.7 44.5

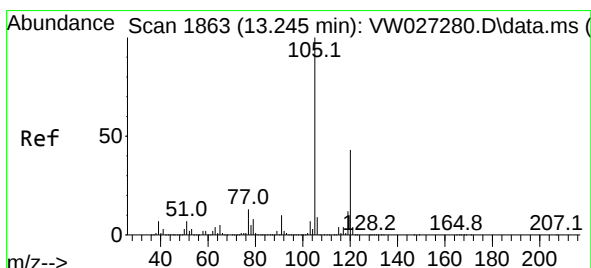
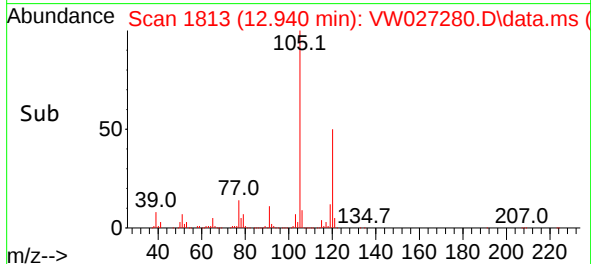
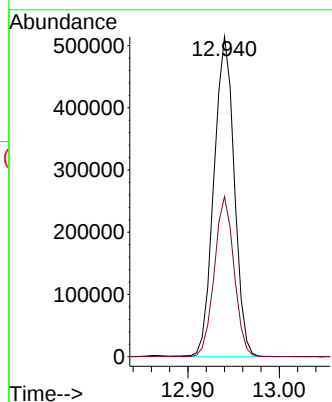
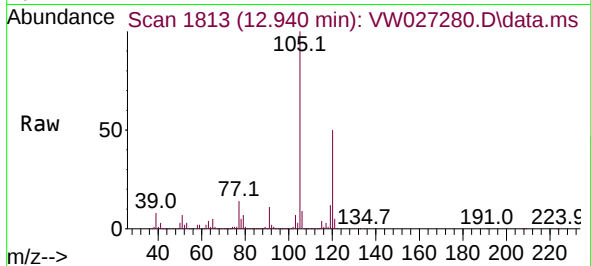




#62  
1,3,5-Trimethylbenzene  
Concen: 26.115 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

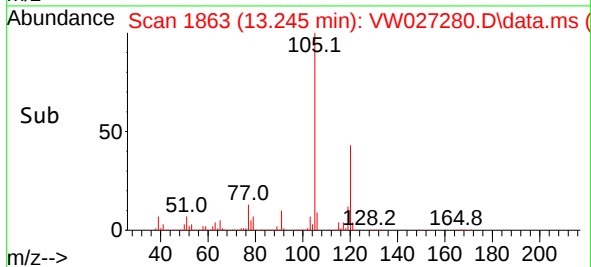
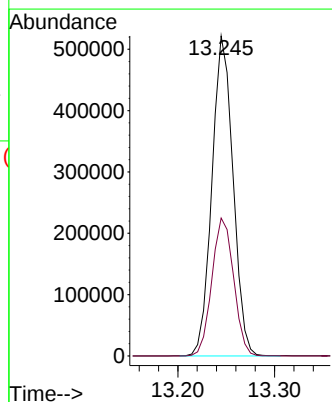
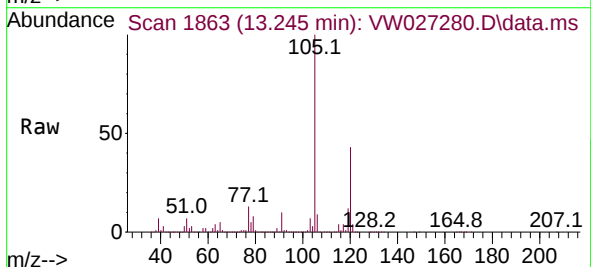
Instrument :  
MSVOA\_W  
ClientSampleId :

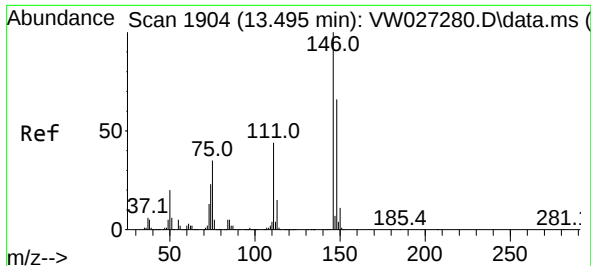
Tgt Ion:105 Resp: 792993  
Ion Ratio Lower Upper  
105 100  
120 48.5 38.8 58.2



#63  
1,2,4-Trimethylbenzene  
Concen: 26.646 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Tgt Ion:105 Resp: 791674  
Ion Ratio Lower Upper  
105 100  
120 44.3 35.4 53.2

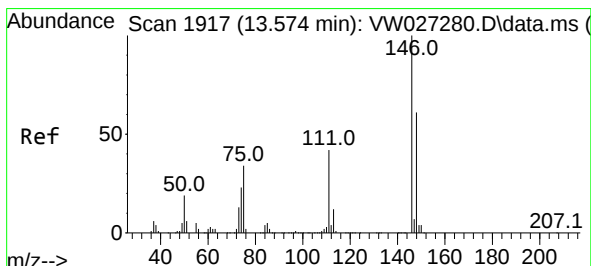
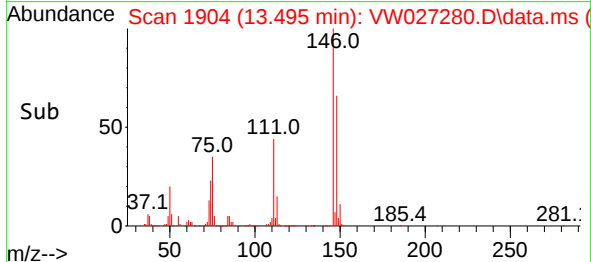
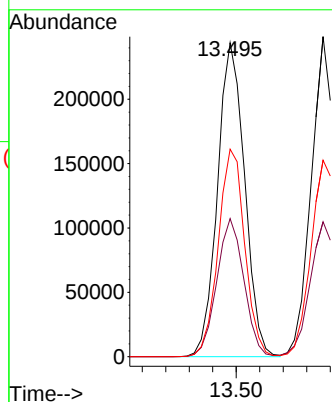
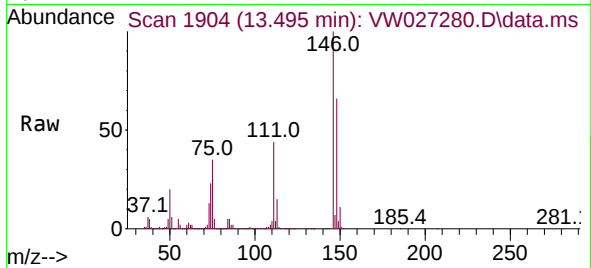




#64  
1,3-Dichlorobenzene  
Concen: 26.493 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

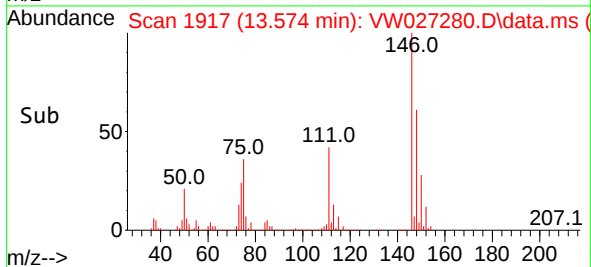
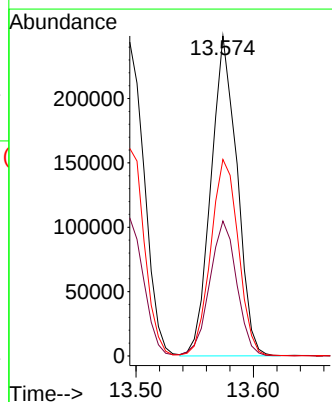
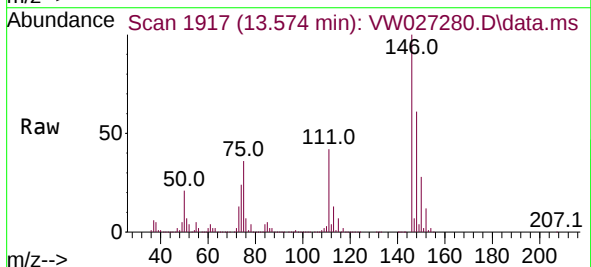
Instrument :  
MSVOA\_W  
ClientSampleId :

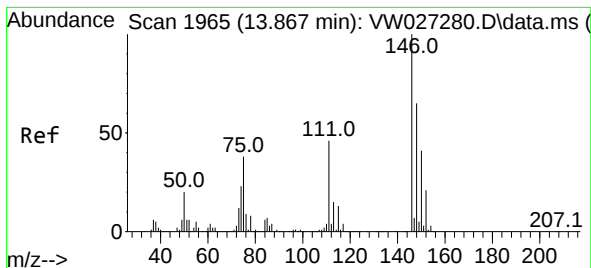
Tgt Ion:146 Resp: 391101  
Ion Ratio Lower Upper  
146 100  
111 44.0 30.8 57.2  
148 66.1 46.3 85.9



#65  
1,4-Dichlorobenzene  
Concen: 26.005 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Tgt Ion:146 Resp: 383380  
Ion Ratio Lower Upper  
146 100  
111 42.2 29.5 54.9  
148 61.4 43.0 79.8

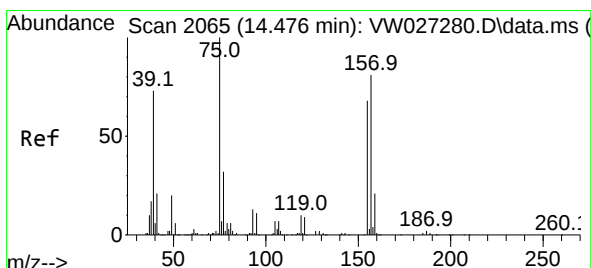
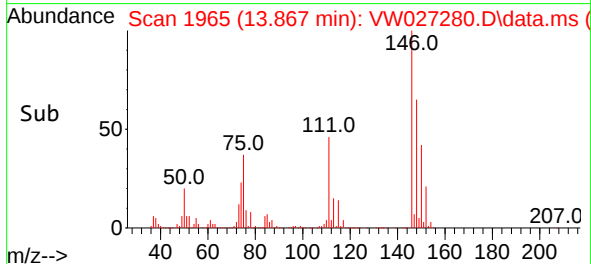
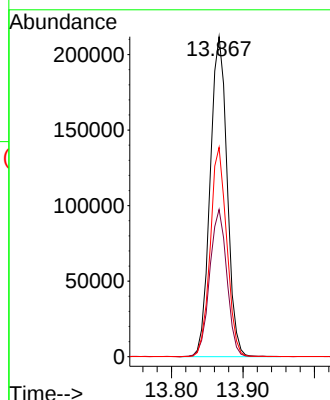
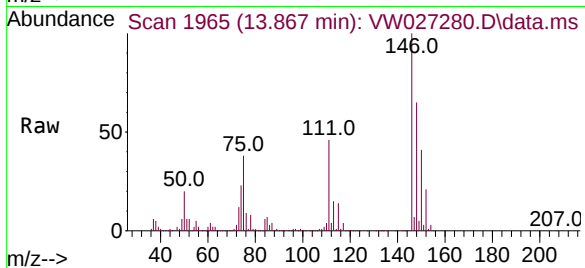




#67  
1,2-Dichlorobenzene  
Concen: 26.645 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

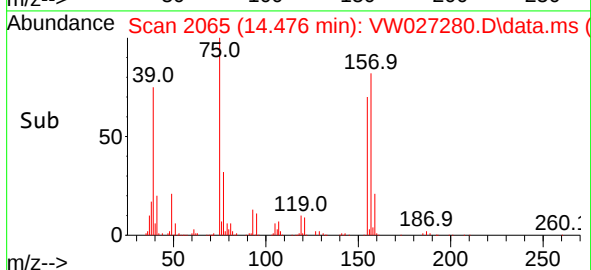
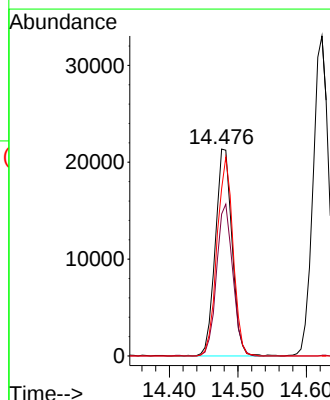
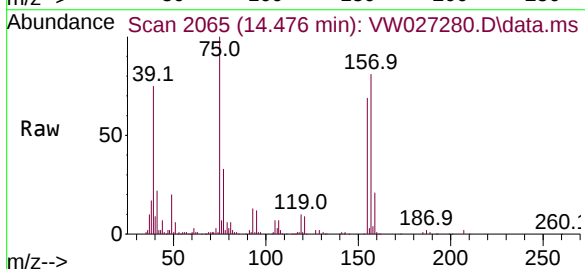
Instrument :  
MSVOA\_W  
ClientSampleId :

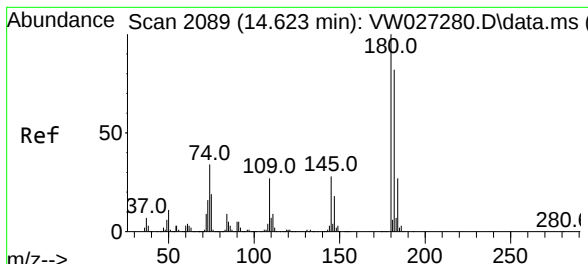
Tgt Ion:146 Resp: 349033  
Ion Ratio Lower Upper  
146 100  
111 46.0 36.8 55.2  
148 65.4 52.3 78.5



#68  
1,2-Dibromo-3-chloropropane  
Concen: 28.600 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. 0.000 min  
Lab File: VW027280.D  
Acq: 11 Oct 2023 11:16

Tgt Ion: 75 Resp: 36167  
Ion Ratio Lower Upper  
75 100  
155 68.6 54.9 82.3  
157 80.9 64.7 97.1

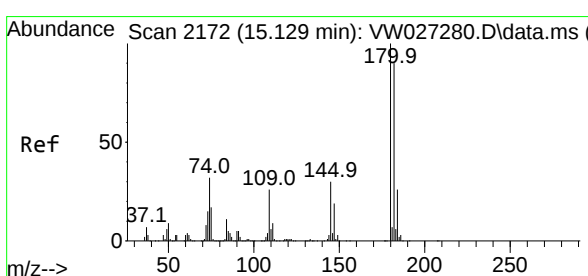
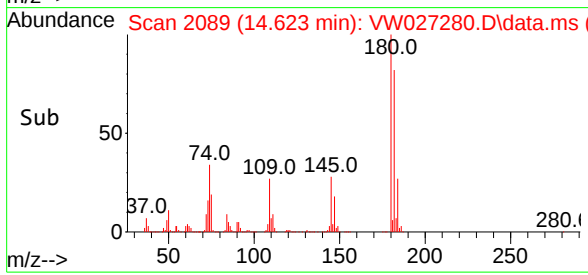
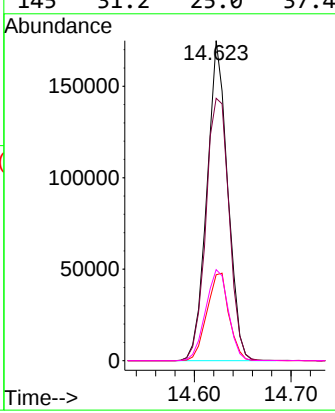
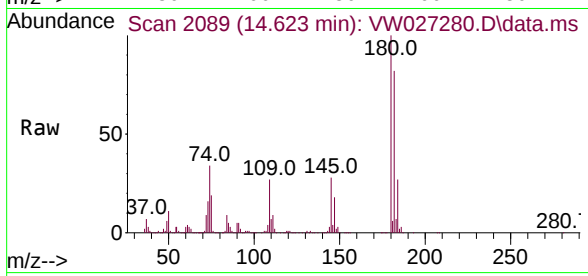




#69  
 1,3,5-Trichlorobenzene  
 Concen: 27.252 ug/L  
 RT: 14.623 min Scan# 2089  
 Delta R.T. 0.000 min  
 Lab File: VW027280.D  
 Acq: 11 Oct 2023 11:16

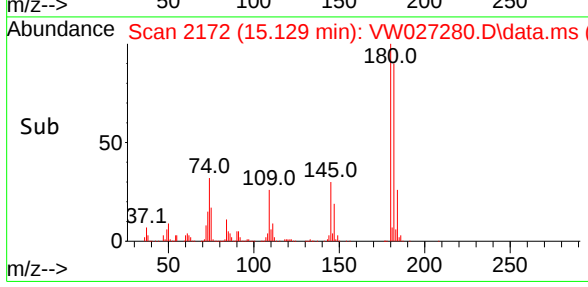
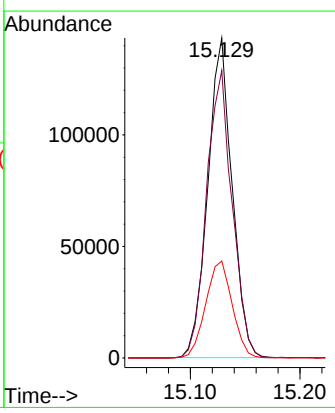
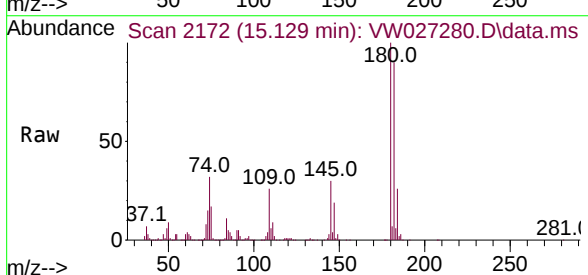
Instrument :  
 MSVOA\_W  
 ClientSampleId :

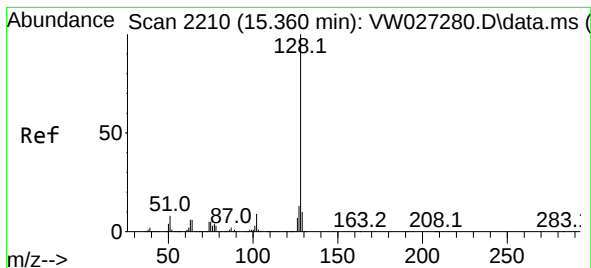
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 261162 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 91.7  | 73.4  | 110.0  |
| 184       | 29.1  | 23.3  | 34.9   |
| 145       | 31.2  | 25.0  | 37.4   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 27.154 ug/L  
 RT: 15.129 min Scan# 2172  
 Delta R.T. 0.000 min  
 Lab File: VW027280.D  
 Acq: 11 Oct 2023 11:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 221481 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.4  | 75.5  | 113.3  |
| 145       | 33.0  | 26.4  | 39.6   |





#71

Naphthalene

Concen: 29.126 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Instrument :

MSVOA\_W

ClientSampleId :

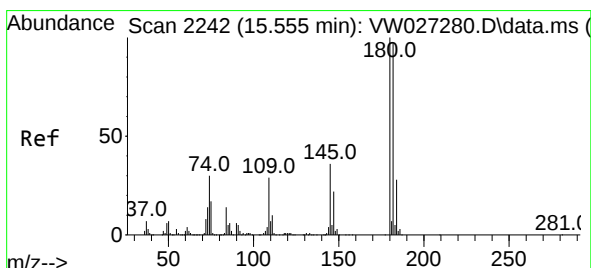
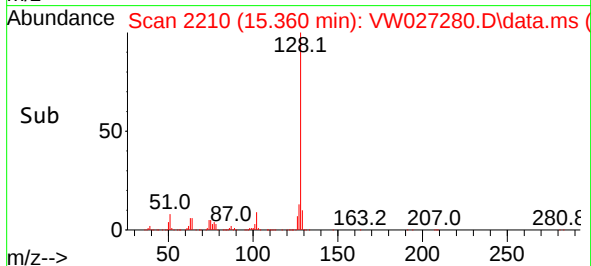
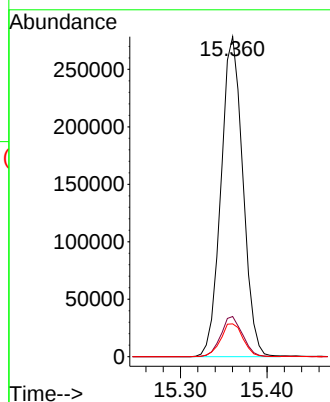
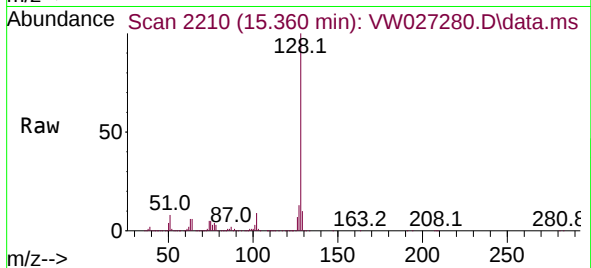
Tgt Ion:128 Resp: 488552

Ion Ratio Lower Upper

128 100

127 12.5 10.0 15.0

129 10.6 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 25.884 ug/L

RT: 15.555 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VW027280.D

Acq: 11 Oct 2023 11:16

Tgt Ion:180 Resp: 173603

Ion Ratio Lower Upper

180 100

182 101.4 81.1 121.7

145 38.2 30.6 45.8

