

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032724\  
 Data File : VW028259.D  
 Acq On : 27 Mar 2024 18:36  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.0g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 28 01:16:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Mar 28 01:11:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 232156   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 213470   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 114329   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 46458    | 17.103   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 68.400%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 38211    | 20.135   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.520%   |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 32298    | 18.750   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 75.000%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 52224    | 65.186   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 130.380%  |
| 24) Chloroform-d              | 7.648  | 84    | 167743   | 24.503   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 98.000%   |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 94256    | 24.985   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.920%   |
| 32) Benzene-d6                | 8.270  | 84    | 318406   | 24.430   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.720%   |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 97636    | 26.032   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 104.120%  |
| 41) Toluene-d8                | 10.319 | 98    | 295782   | 24.604   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 98.400%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 43477    | 25.522   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 102.080%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 42723    | 68.912   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 137.820%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 83780    | 30.239   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 120.960%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 101847   | 24.454   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.800%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 55246    | 16.404   | ug/L # | 85        |
| 3) Chloromethane              | 2.222  | 50    | 48955    | 20.495   | ug/L   | 98        |
| 5) Vinyl chloride             | 2.375  | 62    | 54358    | 20.132   | ug/L   | 97        |
| 6) Bromomethane               | 2.783  | 94    | 35832    | 22.284   | ug/L   | 94        |
| 8) Chloroethane               | 2.930  | 64    | 32484    | 22.384   | ug/L   | 98        |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 63732    | 19.523   | ug/L   | 95        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 34015    | 10.489   | ug/L # | 40        |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 65495    | 21.847   | ug/L   | 97        |
| 13) Acetone                   | 4.118  | 43    | 34276    | 38.532   | ug/L   | 98        |
| 14) Carbon disulfide          | 4.387  | 76    | 190865   | 20.413   | ug/L   | 98        |
| 15) Methyl Acetate            | 4.667  | 43    | 37402    | 27.297   | ug/L   | 99        |
| 16) Methylene chloride        | 4.917  | 84    | 74726    | 21.148   | ug/L   | 96        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 74541    | 23.397   | ug/L   | 97        |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 128579   | 26.750   | ug/L # | 90        |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 147352   | 23.890   | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 84915    | 24.679   | ug/L   | 94        |
| 22) 2-Butanone                | 7.167  | 43    | 48383    | 47.906   | ug/L   | 96        |
| 23) Bromochloromethane        | 7.514  | 128   | 36937    | 24.282   | ug/L   | 93        |
| 25) Chloroform                | 7.679  | 83    | 154303   | 24.301   | ug/L   | 98        |

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 Sample : VSTDCCC025EC  
 Misc : 5.0g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 28 01:16:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Mar 28 01:11:29 2024  
 Response via : Initial Calibration

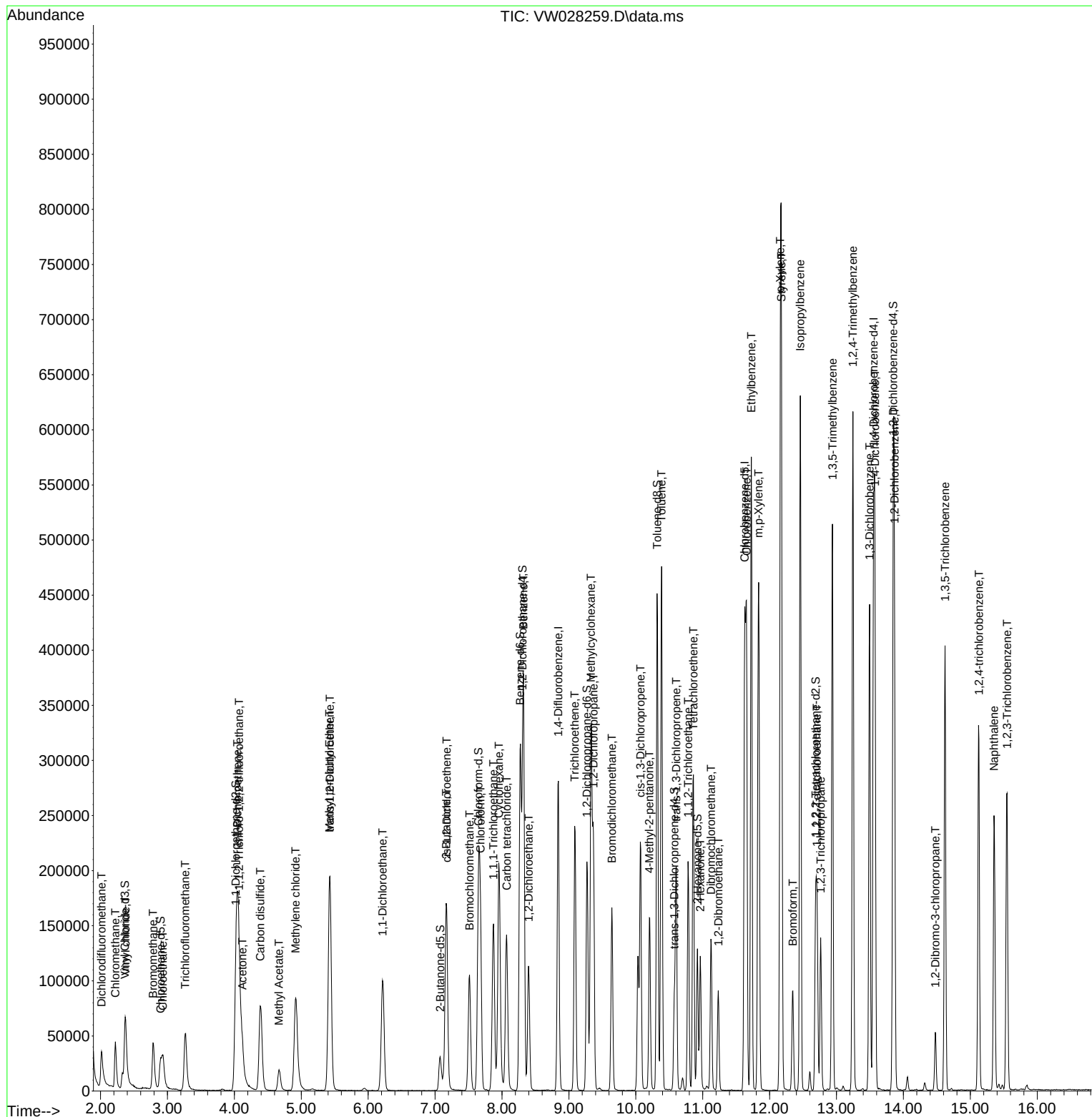
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 106404   | 23.729 | ug/L  | 97       |
| 29) Cyclohexane               | 7.953  | 56   | 123610   | 22.200 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 126442   | 22.596 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 113457   | 21.616 | ug/L  | 97       |
| 33) Benzene                   | 8.319  | 78   | 315007   | 23.981 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 85187    | 23.244 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.331  | 83   | 134382   | 21.693 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 84547    | 25.163 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 110458   | 24.384 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 132662   | 24.655 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.203 | 43   | 106852   | 57.614 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 342211   | 23.870 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 112595   | 24.785 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 62132    | 25.594 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 67515    | 22.854 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 75849    | 52.209 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 72521    | 25.225 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 60614    | 26.113 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 219104   | 24.078 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 400699   | 23.943 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 146360   | 23.240 | ug/L  | 100      |
| 54) o-Xylene                  | 12.160 | 106  | 142899   | 24.468 | ug/L  | 92       |
| 55) Styrene                   | 12.178 | 104  | 249860   | 24.907 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 75777    | 27.291 | ug/L  | 97       |
| 59) Bromoform                 | 12.349 | 173  | 44142    | 25.766 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 403349   | 23.745 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 56535    | 25.910 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 274658   | 24.098 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 331411   | 24.081 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 177475   | 23.419 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 176270   | 23.261 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 162705   | 24.932 | ug/L  | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 13525    | 26.387 | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 122775   | 23.259 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 106776   | 23.810 | ug/L  | 99       |
| 71) Naphthalene               | 15.354 | 128  | 213832   | 27.781 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 93370    | 25.257 | ug/L  | 99       |

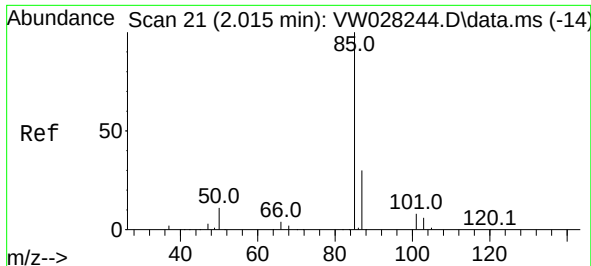
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032724\  
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Sample : VSTCCCC025EC  
Misc : 5.0g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

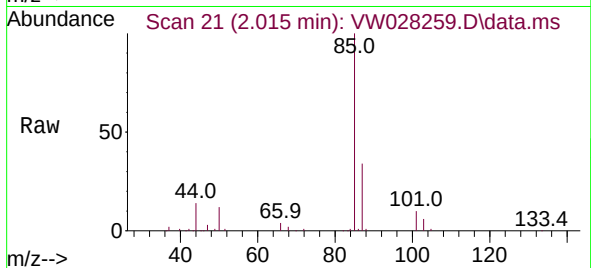
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Mar 28 01:11:29 2024  
Response via : Initial Calibration



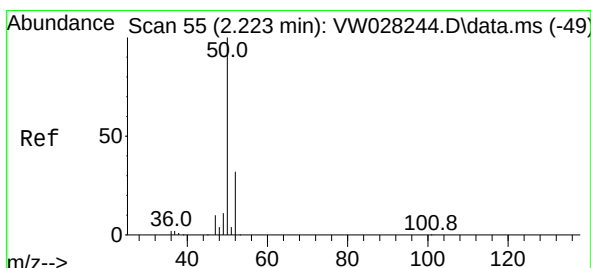
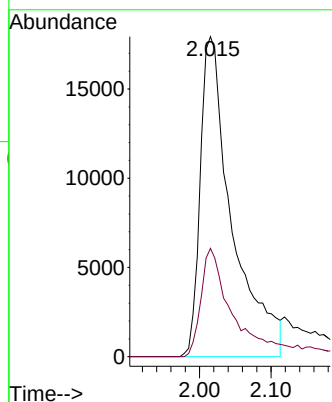
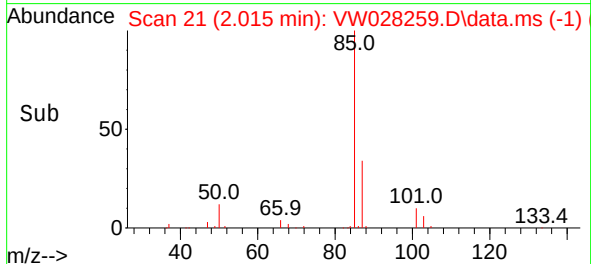


#2  
Dichlorodifluoromethane  
Concen: 16.404 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

Instrument :  
MSVOA\_W  
ClientSampleId :

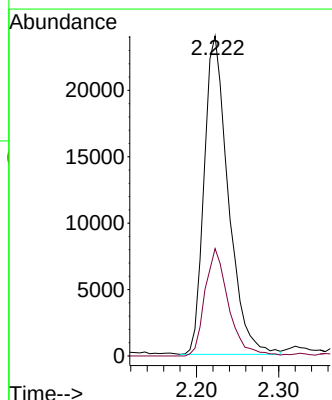
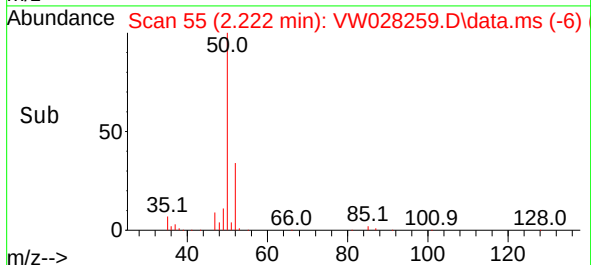
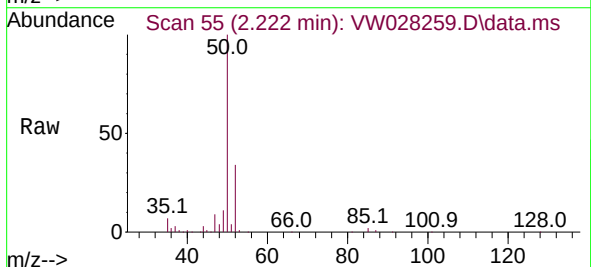


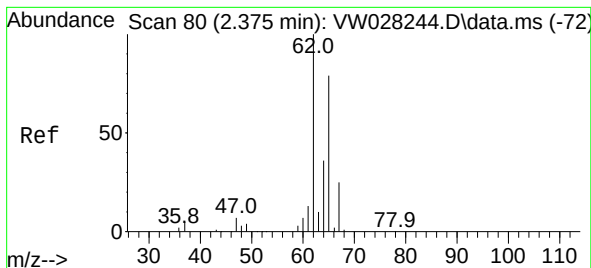
Tgt Ion: 85 Resp: 55246  
Ion Ratio Lower Upper  
85 100  
87 33.7 20.9 31.3#



#3  
Chloromethane  
Concen: 20.495 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

Tgt Ion: 50 Resp: 48955  
Ion Ratio Lower Upper  
50 100  
52 33.6 22.7 42.1





#5

Vinyl chloride

Concen: 20.132 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

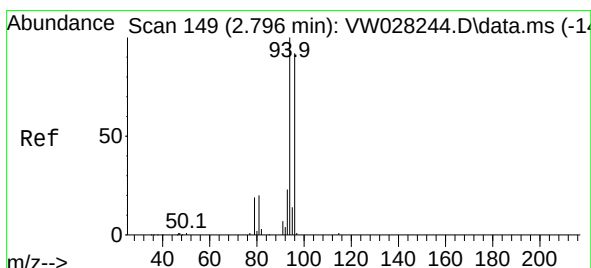
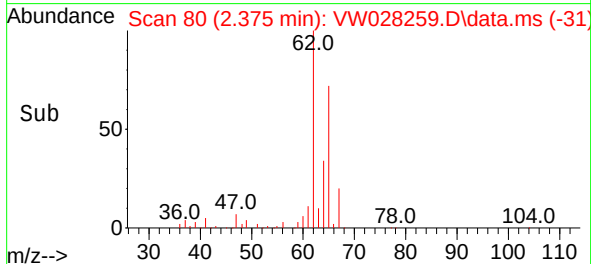
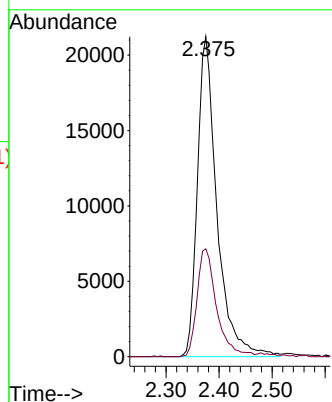
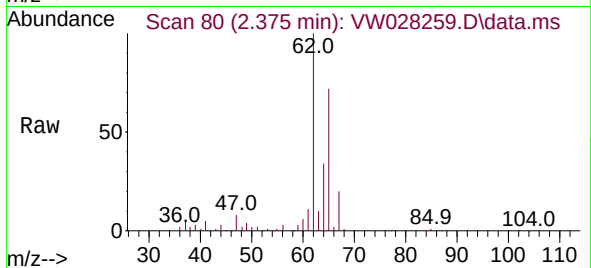
ClientSampleId :

Tgt Ion: 62 Resp: 54358

Ion Ratio Lower Upper

62 100

64 33.7 22.5 41.7



#6

Bromomethane

Concen: 22.284 ug/L

RT: 2.783 min Scan# 147

Delta R.T. -0.012 min

Lab File: VW028259.D

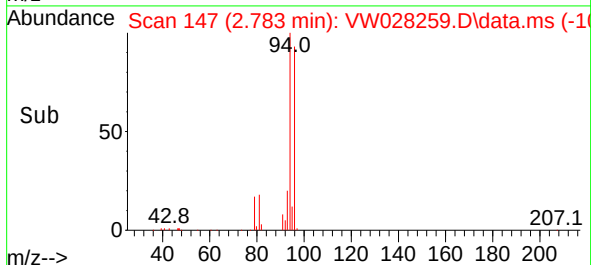
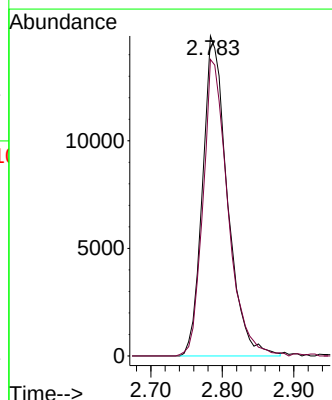
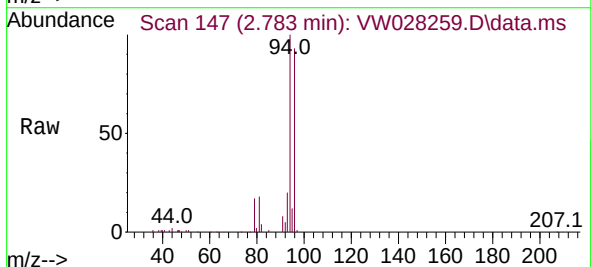
Acq: 27 Mar 2024 18:36

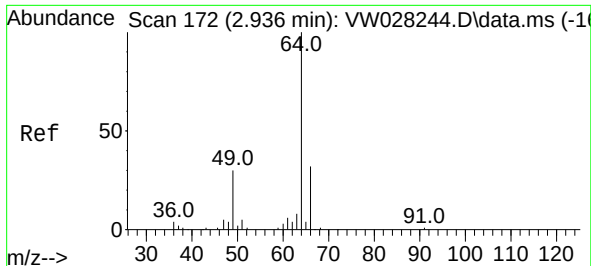
Tgt Ion: 94 Resp: 35832

Ion Ratio Lower Upper

94 100

96 92.6 60.8 113.0

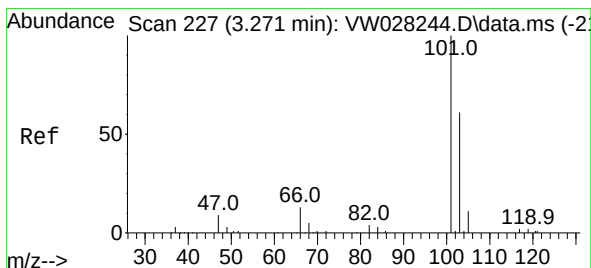
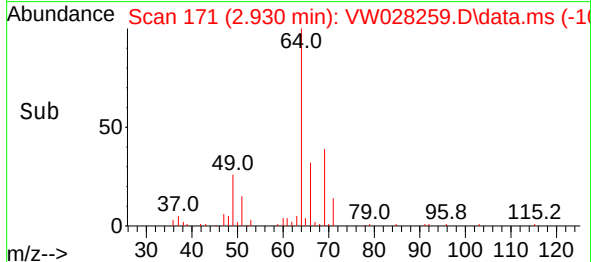
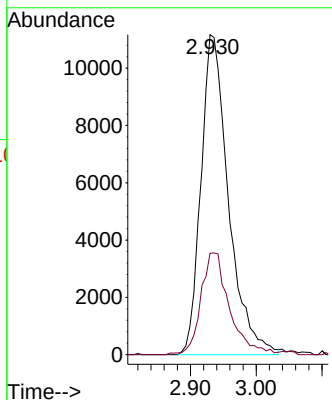
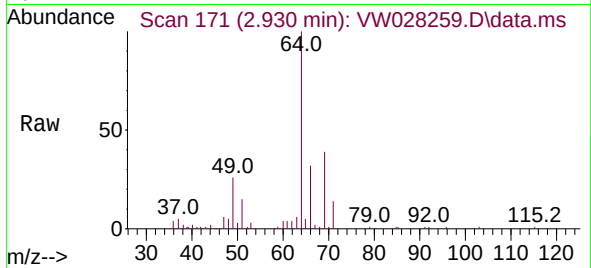




#8  
Chloroethane  
Concen: 22.384 ug/L  
RT: 2.930 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

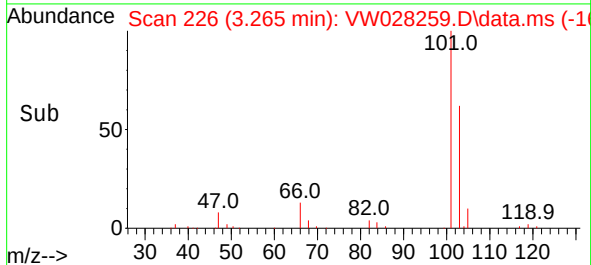
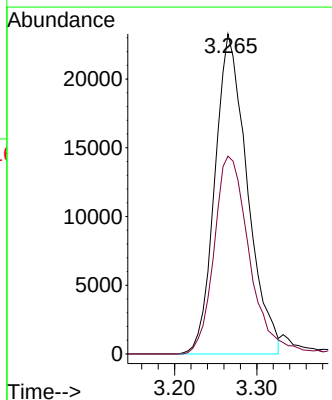
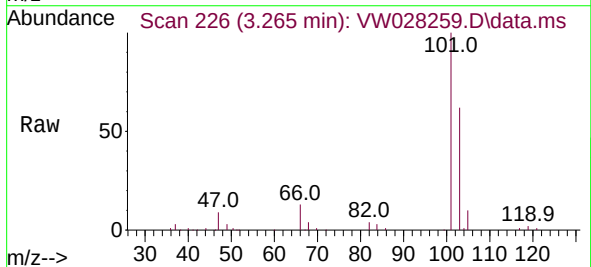
Instrument :  
MSVOA\_W  
ClientSampleId :

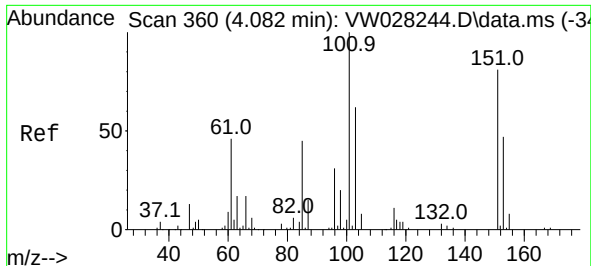
Tgt Ion: 64 Resp: 32484  
Ion Ratio Lower Upper  
64 100  
66 31.7 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 19.523 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

Tgt Ion:101 Resp: 63732  
Ion Ratio Lower Upper  
101 100  
103 67.3 50.9 76.3





#10

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

Concen: 10.489 ug/L

RT: 4.070 min Scan# 3

Delta R.T. -0.012 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :

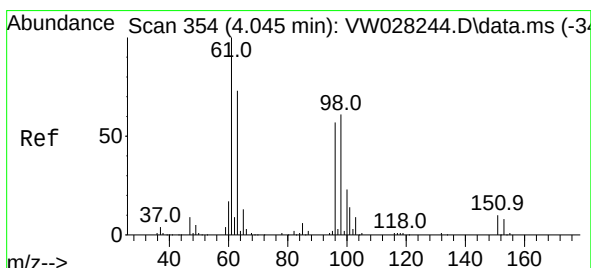
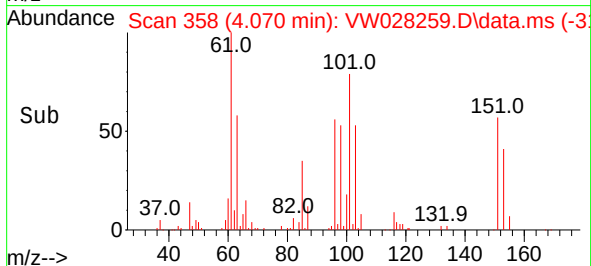
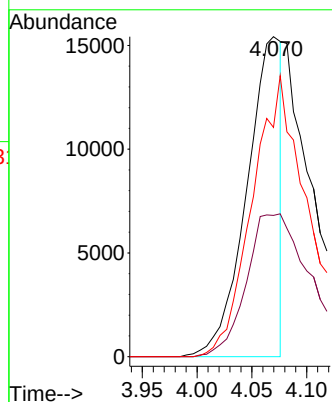
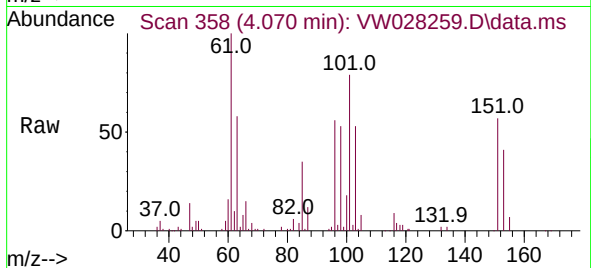
Tgt Ion:101 Resp: 34015

Ion Ratio Lower Upper

101 100

85 37.7 36.4 54.6

151 149.2 58.4 87.6#



#12

1,1-Dichloroethene

Concen: 21.847 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

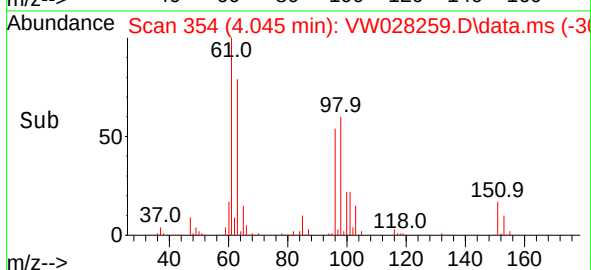
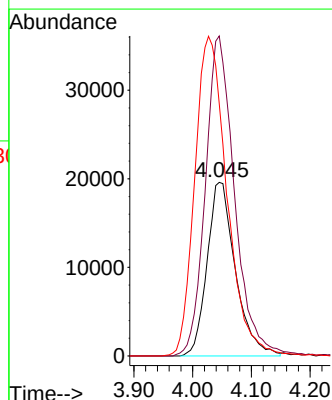
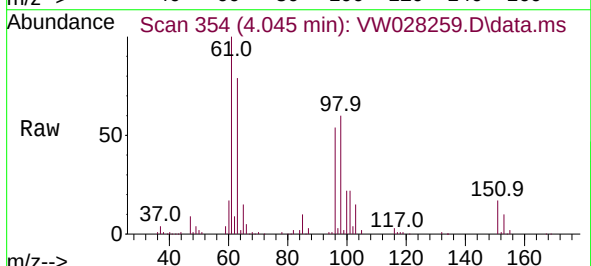
Tgt Ion: 96 Resp: 65495

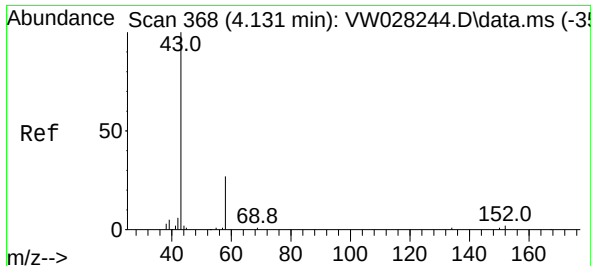
Ion Ratio Lower Upper

96 100

61 184.3 132.2 245.4

63 145.3 104.6 194.2

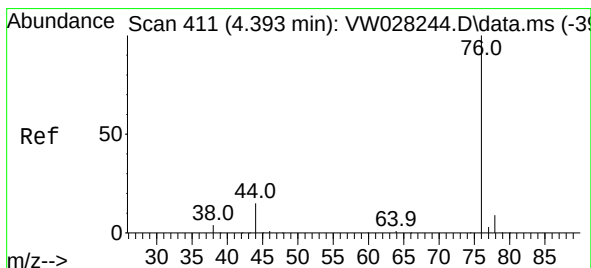
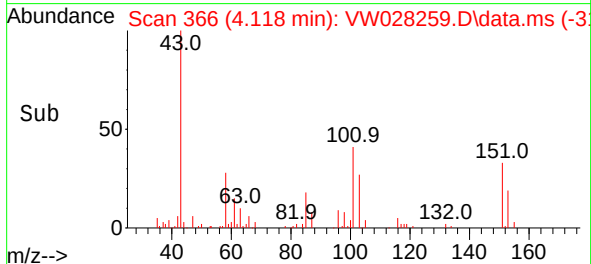
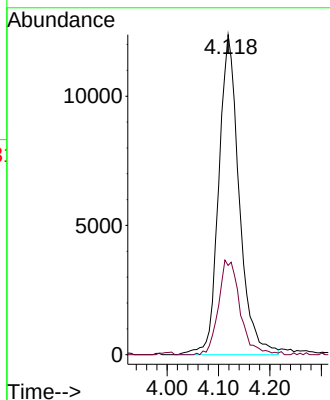
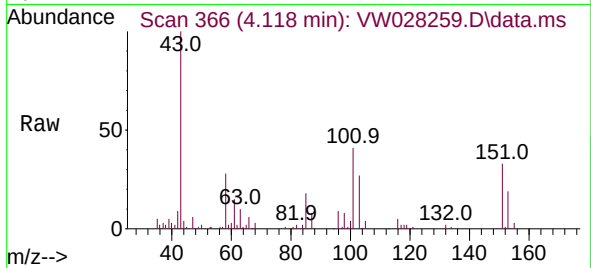




#13  
Acetone  
Concen: 38.532 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.012 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

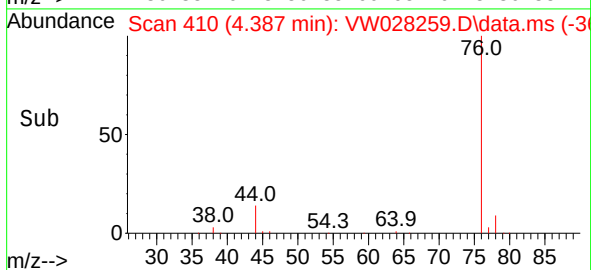
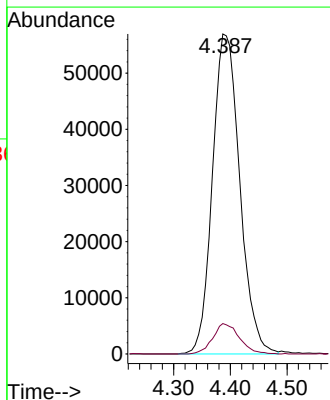
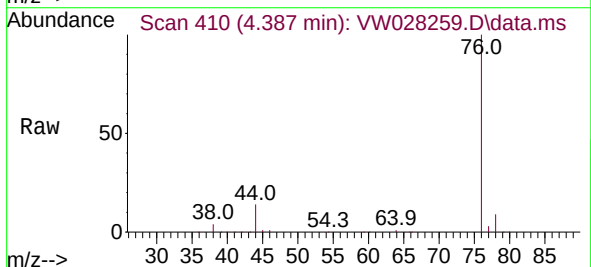
Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion: 43 Resp: 34276  
Ion Ratio Lower Upper  
43 100  
58 29.7 0.0 57.8

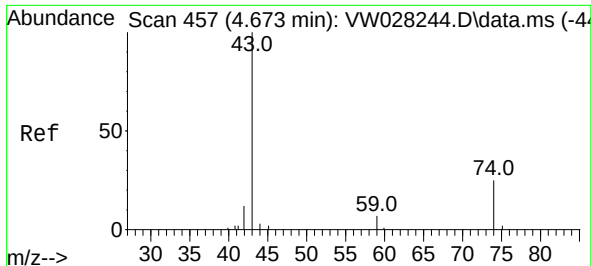


#14  
Carbon disulfide  
Concen: 20.413 ug/L  
RT: 4.387 min Scan# 410  
Delta R.T. -0.006 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

Tgt Ion: 76 Resp: 190865  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.1 10.7







#15

Methyl Acetate

Concen: 27.297 ug/L

RT: 4.667 min Scan# 4

Delta R.T. -0.006 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

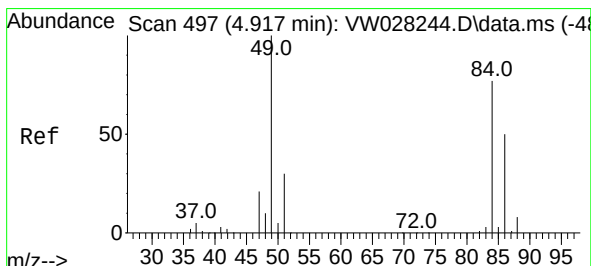
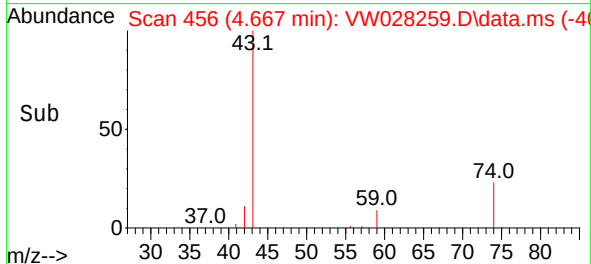
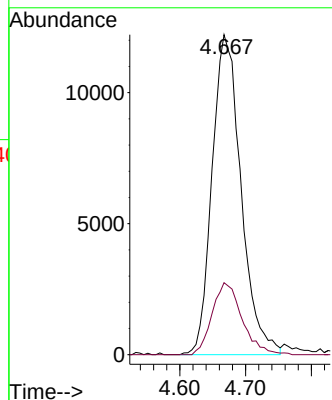
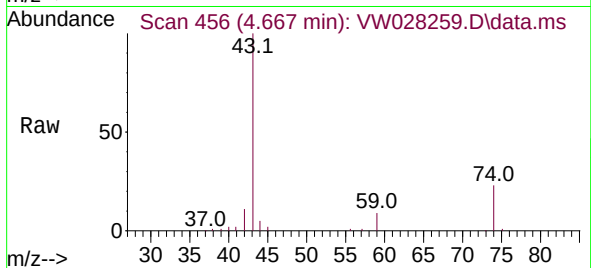
ClientSampleId :

Tgt Ion: 43 Resp: 37402

Ion Ratio Lower Upper

43 100

74 23.2 18.2 27.2



#16

Methylene chloride

Concen: 21.148 ug/L

RT: 4.917 min Scan# 497

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

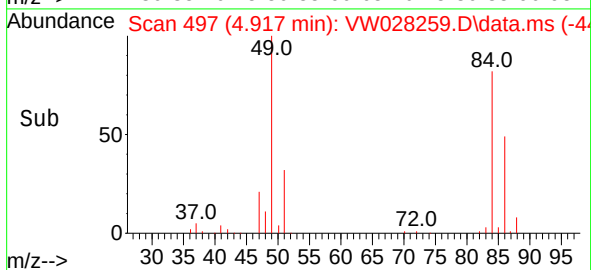
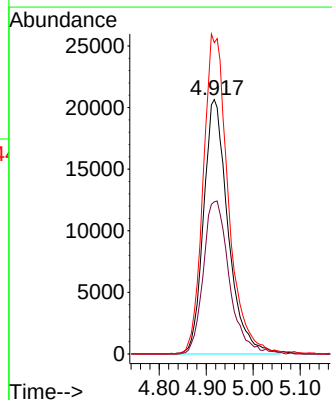
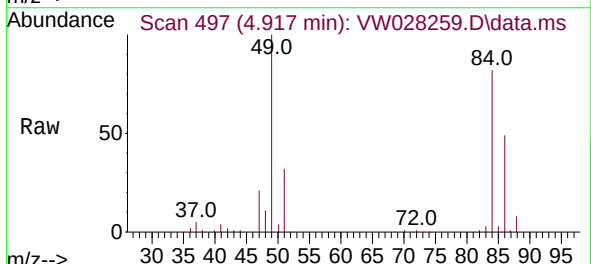
Tgt Ion: 84 Resp: 74726

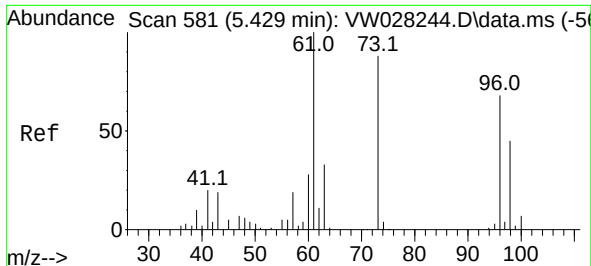
Ion Ratio Lower Upper

84 100

86 59.8 43.1 80.1

49 122.4 89.4 166.0





#17

trans-1,2-Dichloroethene

Concen: 23.397 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :

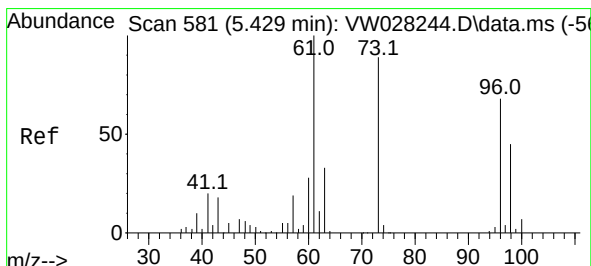
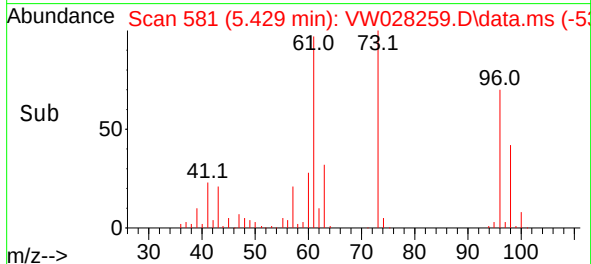
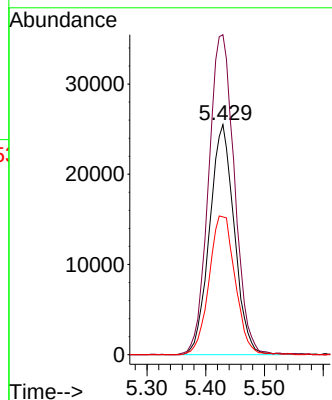
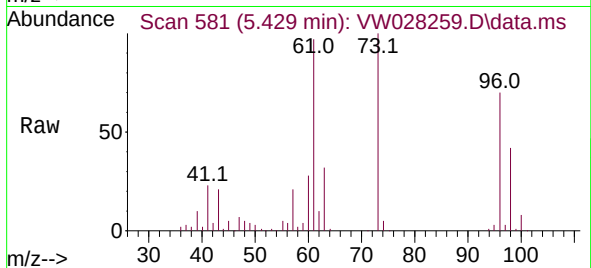
Tgt Ion: 96 Resp: 74541

Ion Ratio Lower Upper

96 100

61 139.1 98.4 182.8

98 59.9 45.6 84.8



#18

Methyl tert-butyl Ether

Concen: 26.750 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

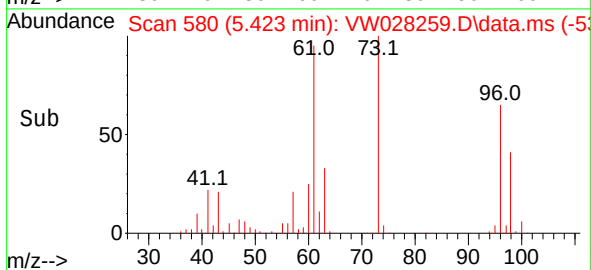
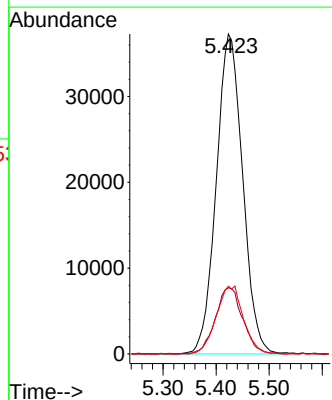
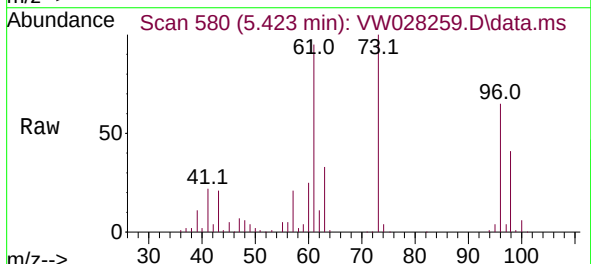
Tgt Ion: 73 Resp: 128579

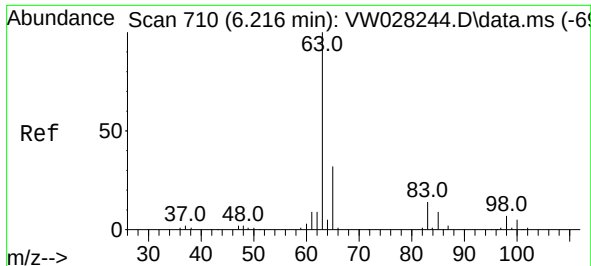
Ion Ratio Lower Upper

73 100

43 21.6 18.2 27.4

57 13.2 17.4 26.2#





#19

1,1-Dichloroethane

Concen: 23.890 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :

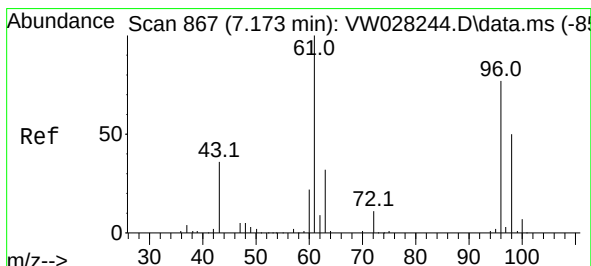
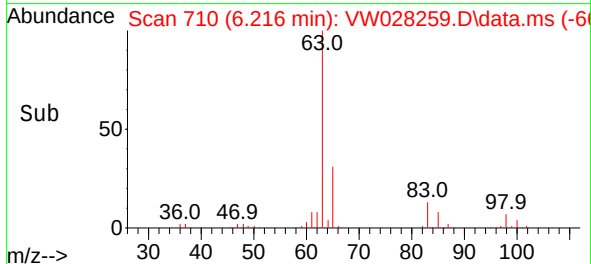
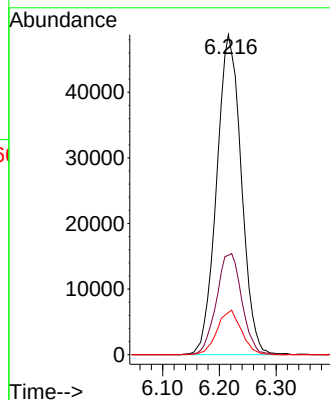
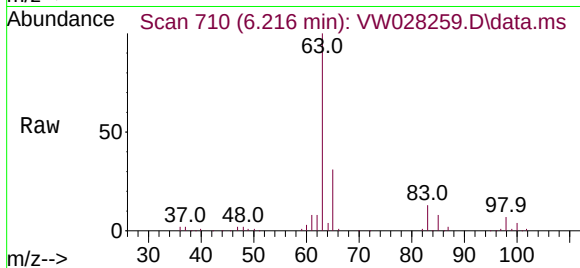
Tgt Ion: 63 Resp: 147352

Ion Ratio Lower Upper

63 100

65 31.1 22.1 41.1

83 13.2 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 24.679 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

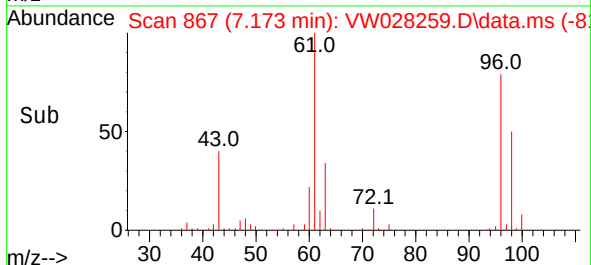
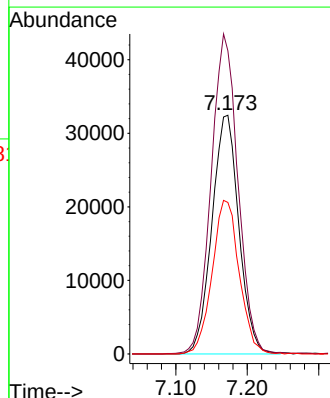
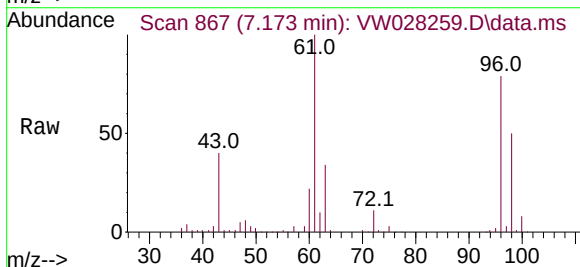
Tgt Ion: 96 Resp: 84915

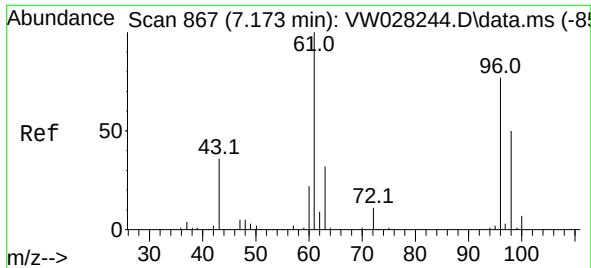
Ion Ratio Lower Upper

96 100

61 127.0 95.7 177.7

98 63.5 43.9 81.5

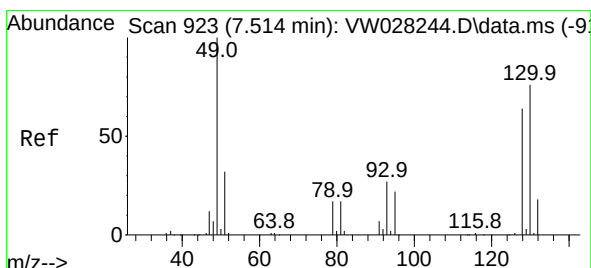
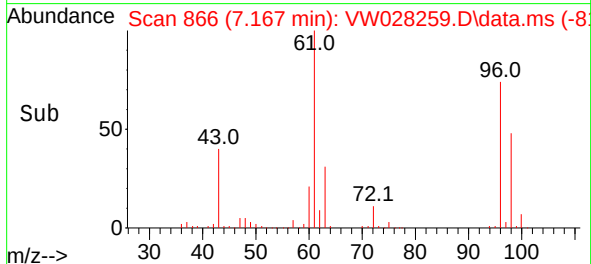
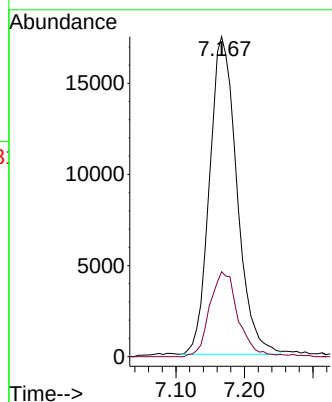
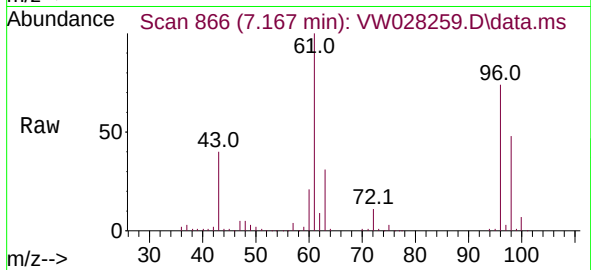




#22  
2-Butanone  
Concen: 47.906 ug/L  
RT: 7.167 min Scan# 867  
Delta R.T. -0.006 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

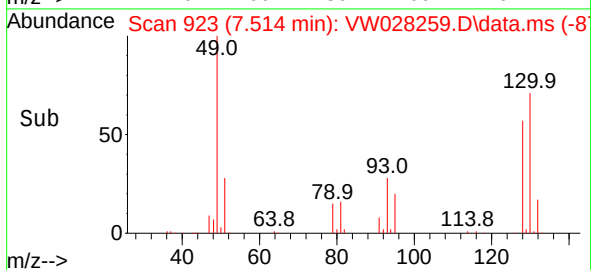
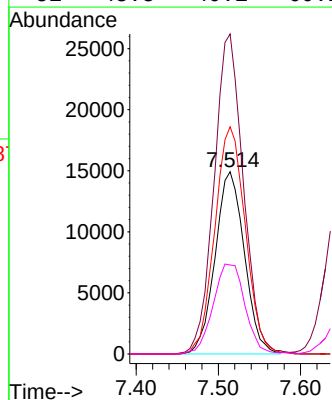
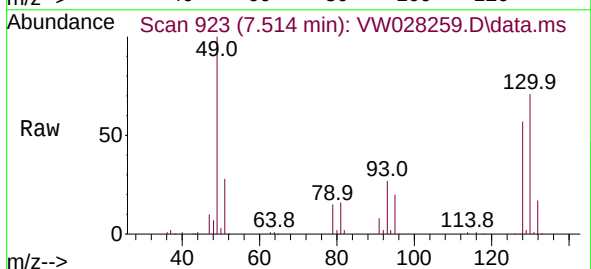
Instrument :  
MSVOA\_W  
ClientSampleId :

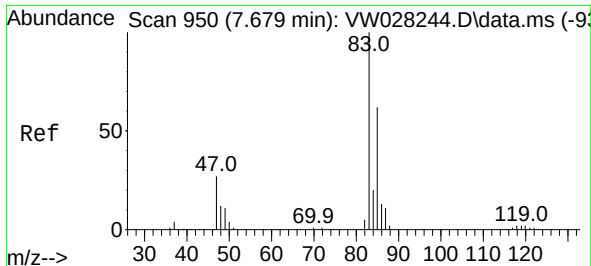
Tgt Ion: 43 Resp: 48383  
Ion Ratio Lower Upper  
43 100  
72 27.4 12.8 38.4



#23  
Bromochloromethane  
Concen: 24.282 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

Tgt Ion:128 Resp: 36937  
Ion Ratio Lower Upper  
128 100  
49 175.7 116.6 216.6  
130 124.7 80.1 148.7  
51 48.8 40.1 60.1





#25

Chloroform

Concen: 24.301 ug/L

RT: 7.679 min Scan# 950

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

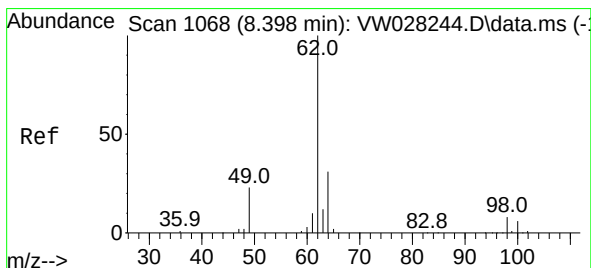
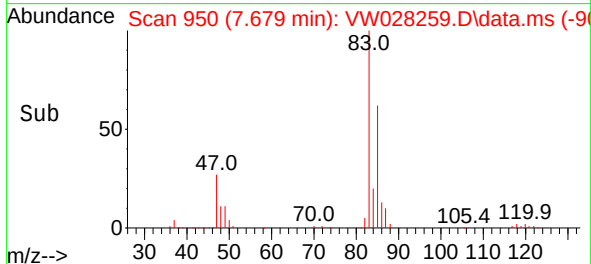
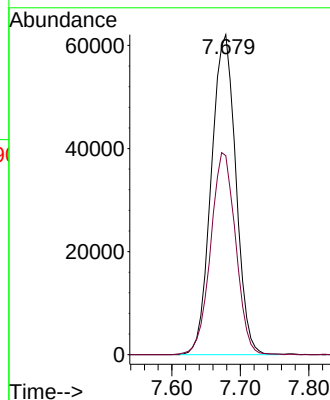
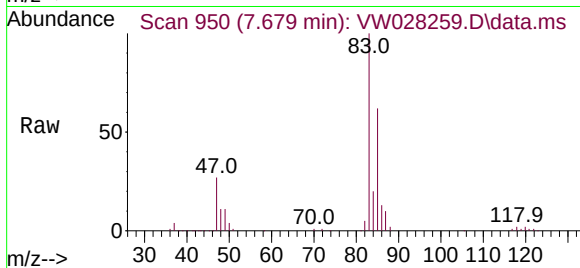
ClientSampleId :

Tgt Ion: 83 Resp: 154303

Ion Ratio Lower Upper

83 100

85 62.2 44.5 82.7



#27

1,2-Dichloroethane

Concen: 23.729 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW028259.D

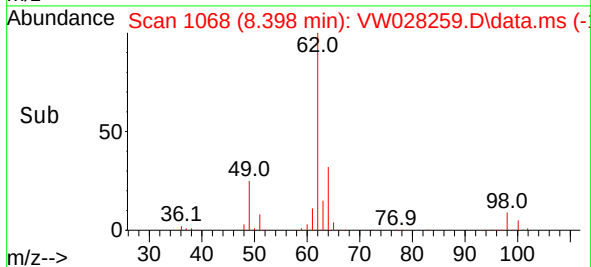
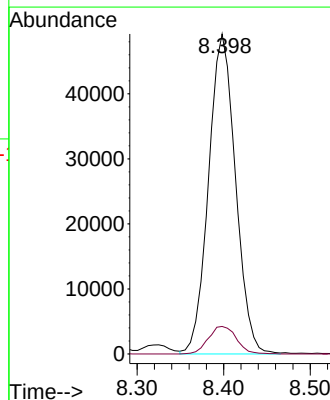
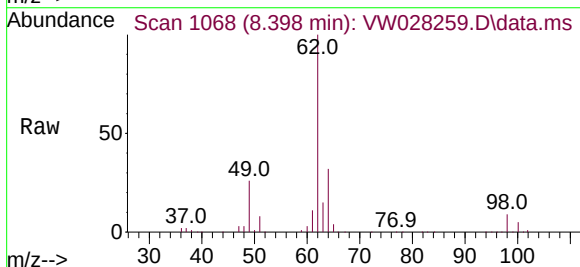
Acq: 27 Mar 2024 18:36

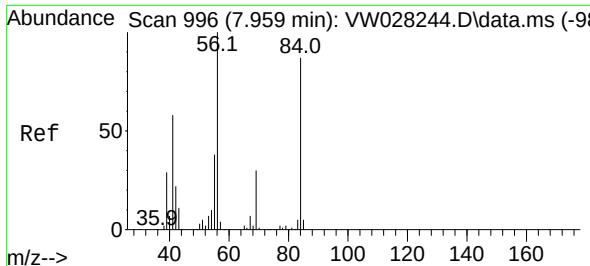
Tgt Ion: 62 Resp: 106404

Ion Ratio Lower Upper

62 100

98 8.6 5.9 8.9





#29

Cyclohexane

Concen: 22.200 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :

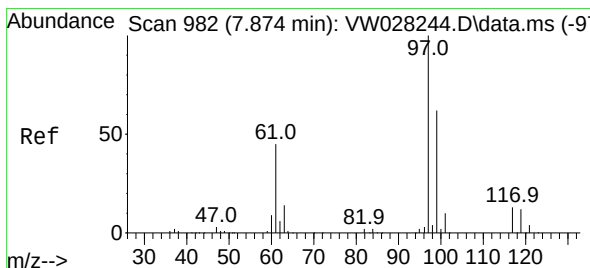
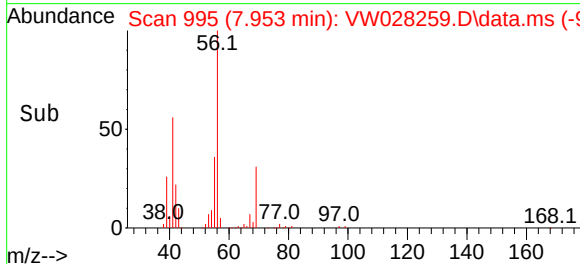
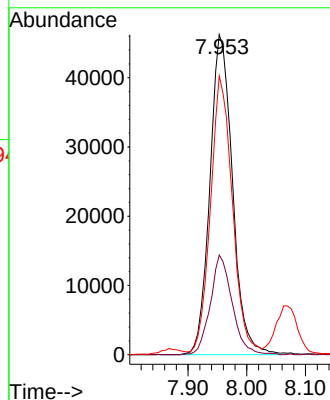
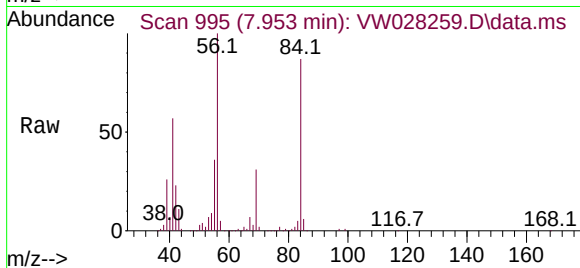
Tgt Ion: 56 Resp: 123610

Ion Ratio Lower Upper

56 100

69 30.0 24.0 36.0

84 84.9 68.4 102.6



#30

1,1,1-Trichloroethane

Concen: 22.596 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

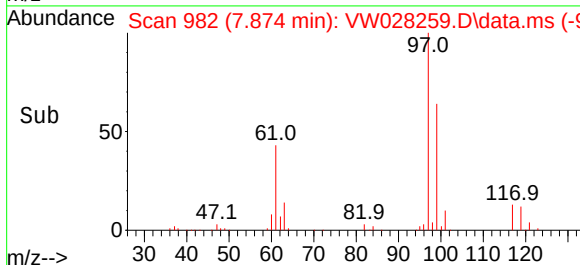
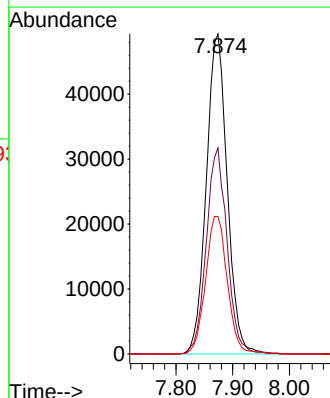
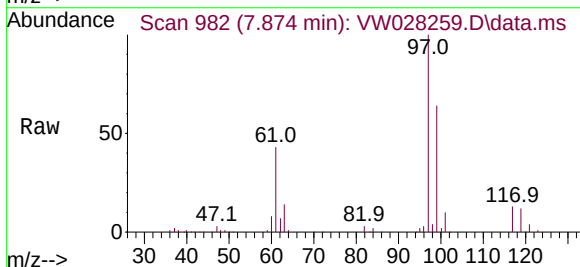
Tgt Ion: 97 Resp: 126442

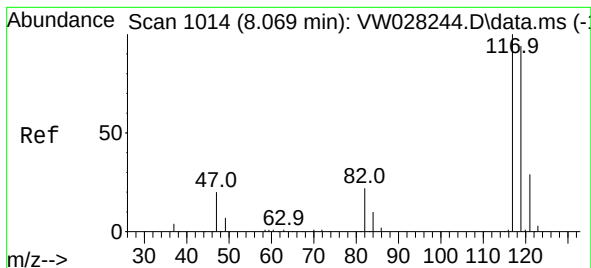
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 44.8 37.0 55.6





#31

Carbon tetrachloride

Concen: 21.616 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

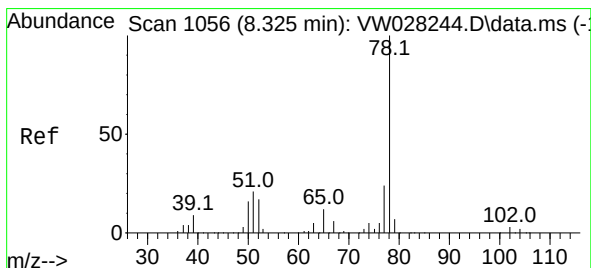
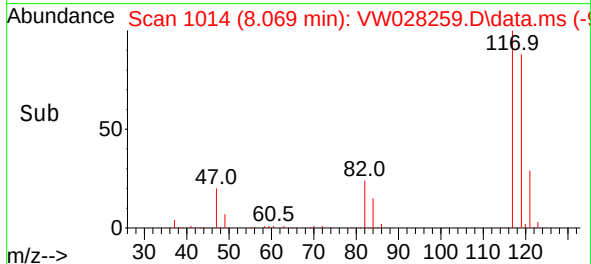
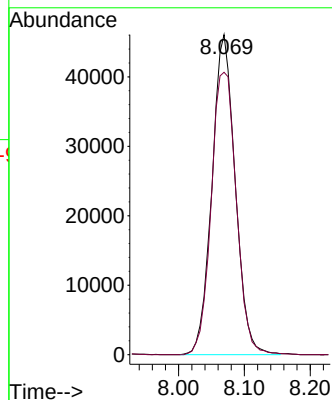
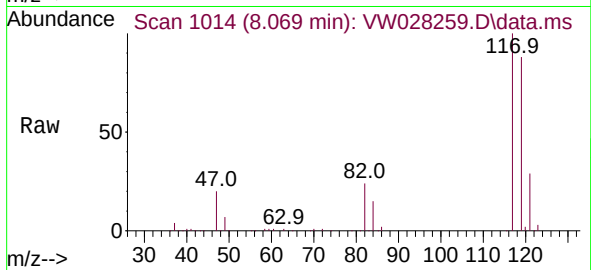
ClientSampleId :

Tgt Ion:117 Resp: 113457

Ion Ratio Lower Upper

117 100

119 95.3 78.2 117.4



#33

Benzene

Concen: 23.981 ug/L

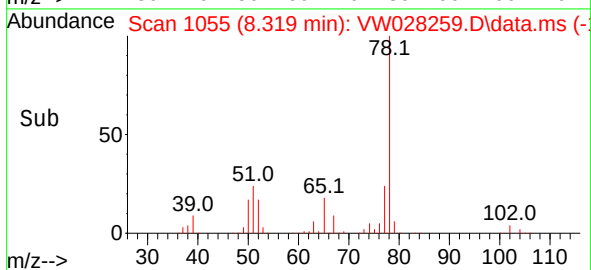
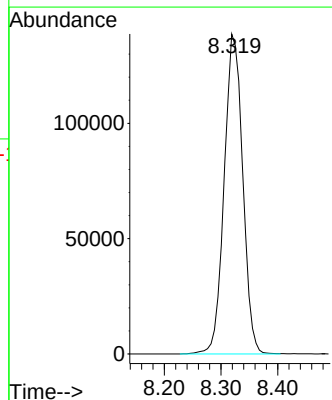
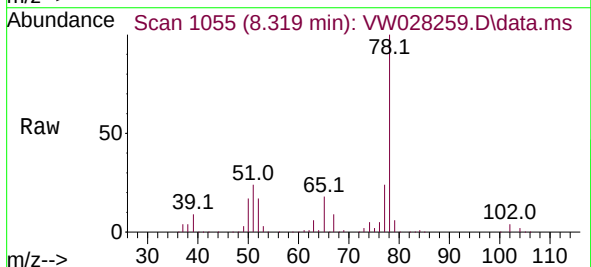
RT: 8.319 min Scan# 1055

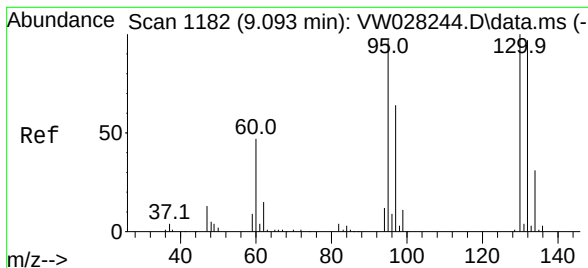
Delta R.T. -0.006 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Tgt Ion: 78 Resp: 315007





#34

Trichloroethene

Concen: 23.244 ug/L

RT: 9.087 min Scan# 1182

Delta R.T. -0.006 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 95 Resp: 85187

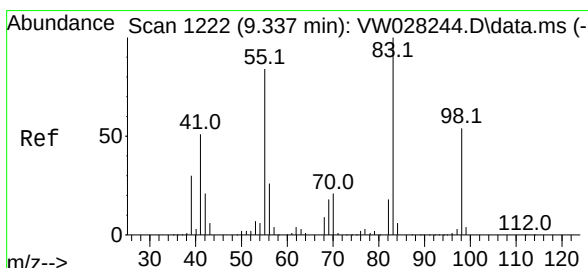
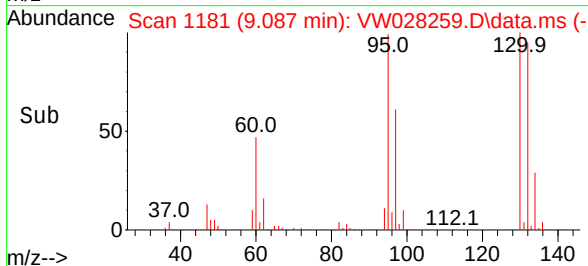
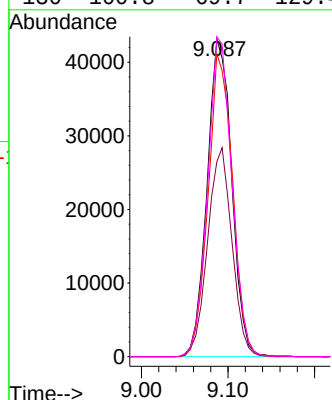
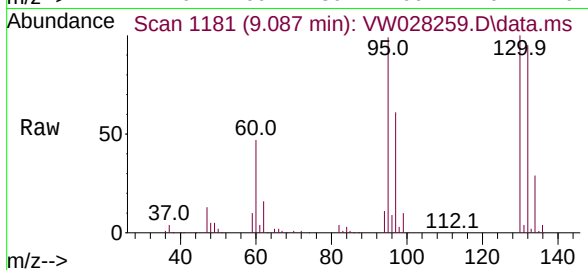
Ion Ratio Lower Upper

95 100

97 61.4 42.4 78.6

132 95.4 69.4 128.8

130 100.8 69.7 129.4



#35

Methylcyclohexane

Concen: 21.693 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

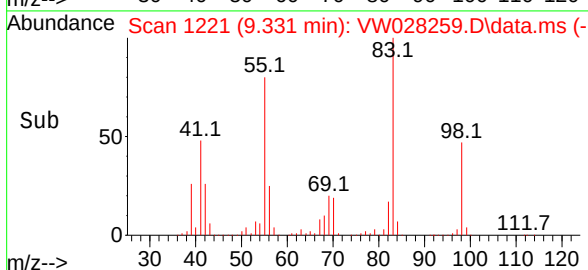
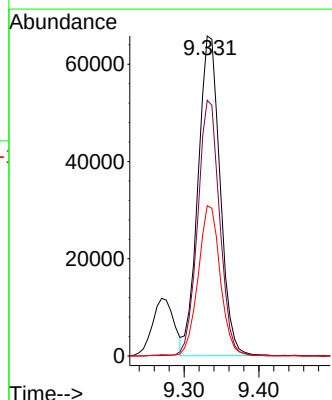
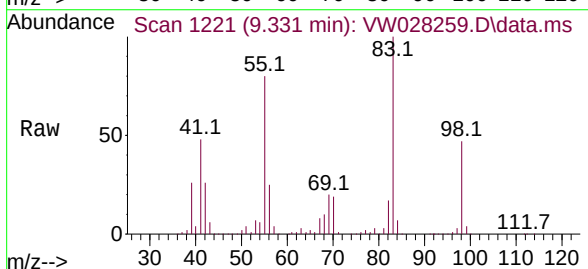
Tgt Ion: 83 Resp: 134382

Ion Ratio Lower Upper

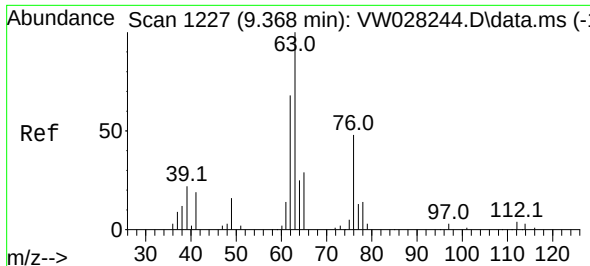
83 100

55 79.7 64.2 96.4

98 47.2 38.3 57.5







#37

1,2-Dichloropropane

Concen: 25.163 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

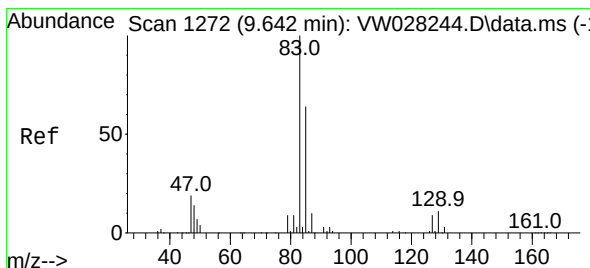
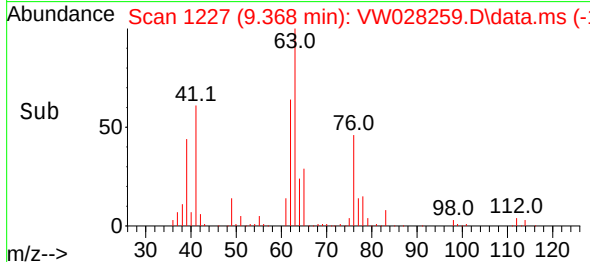
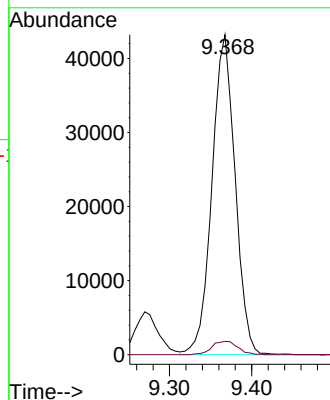
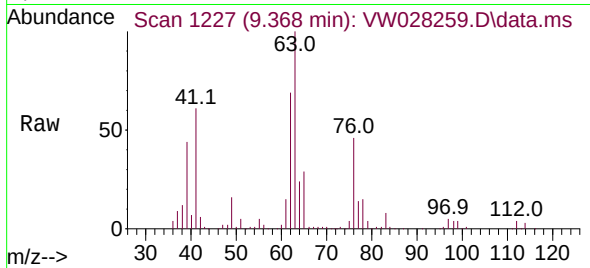
ClientSampleId :

Tgt Ion: 63 Resp: 84547

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8



#38

Bromodichloromethane

Concen: 24.384 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

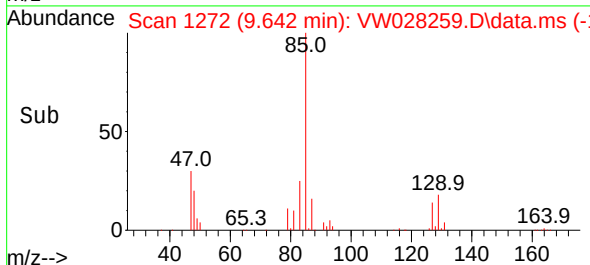
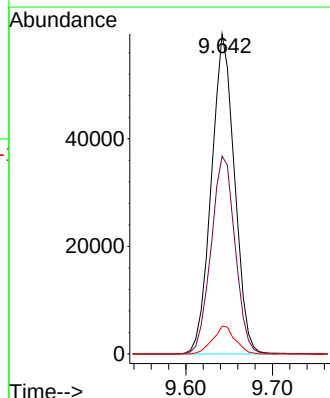
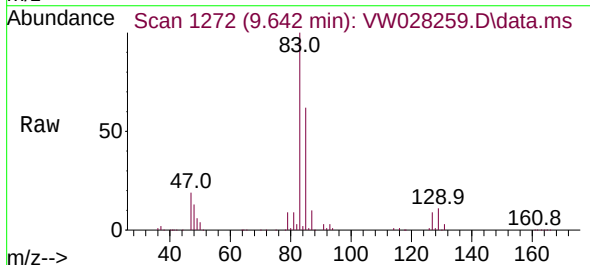
Tgt Ion: 83 Resp: 110458

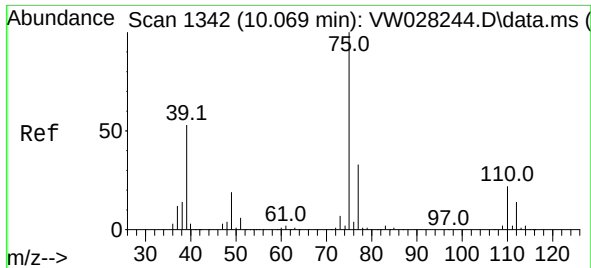
Ion Ratio Lower Upper

83 100

85 61.8 45.8 85.2

127 8.7 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 24.655 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

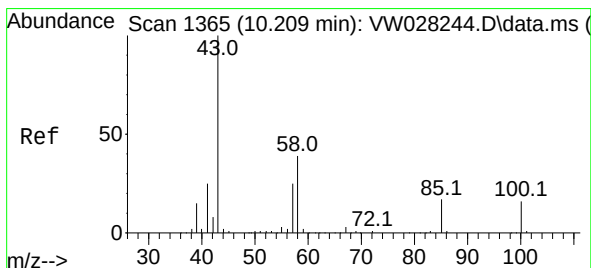
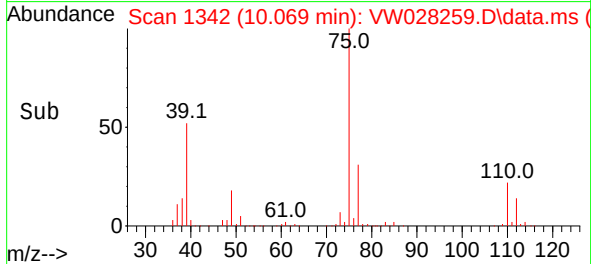
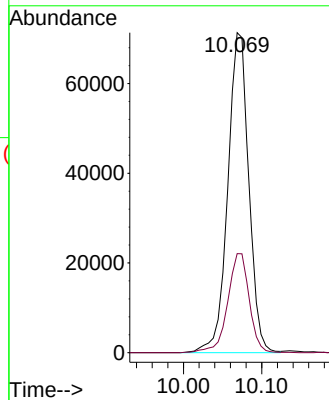
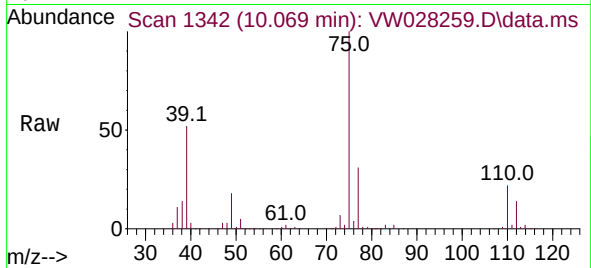
ClientSampleId :

Tgt Ion: 75 Resp: 132662

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 57.614 ug/L

RT: 10.203 min Scan# 1364

Delta R.T. -0.006 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

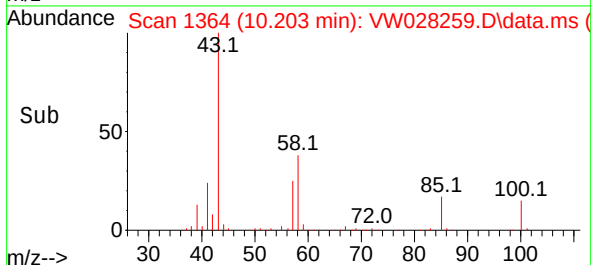
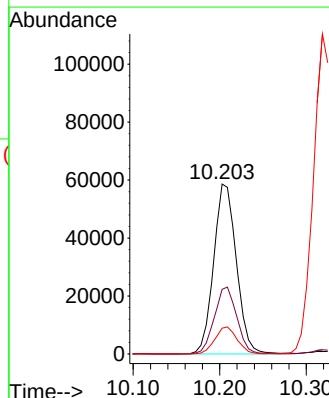
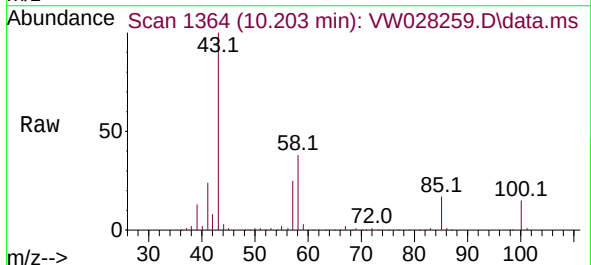
Tgt Ion: 43 Resp: 106852

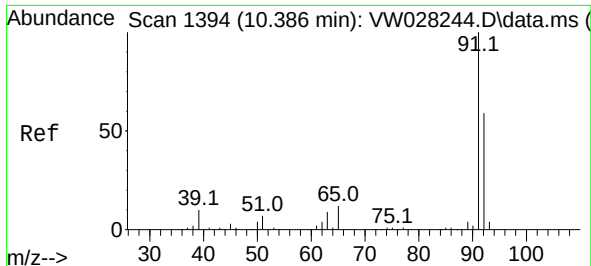
Ion Ratio Lower Upper

43 100

58 38.8 30.1 45.1

100 15.6 11.8 17.8





#42

Toluene

Concen: 23.870 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

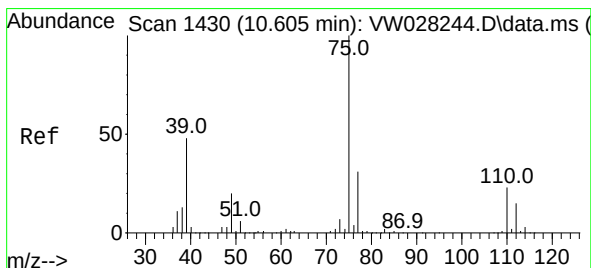
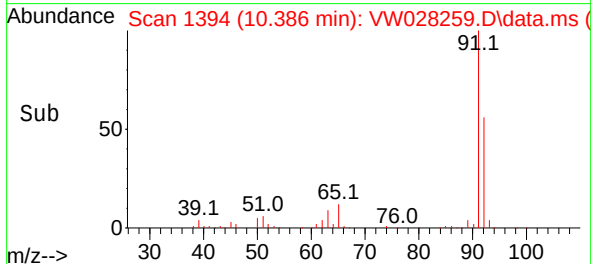
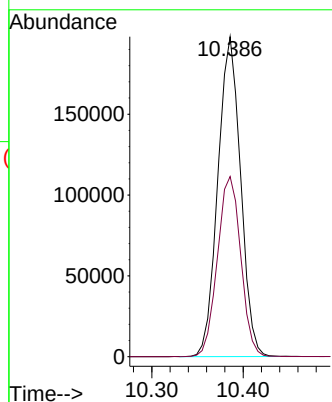
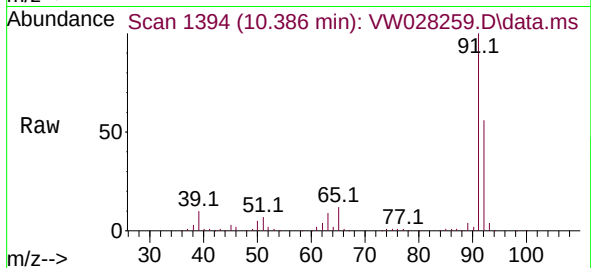
ClientSampleId :

Tgt Ion: 91 Resp: 342211

Ion Ratio Lower Upper

91 100

92 56.3 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 24.785 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW028259.D

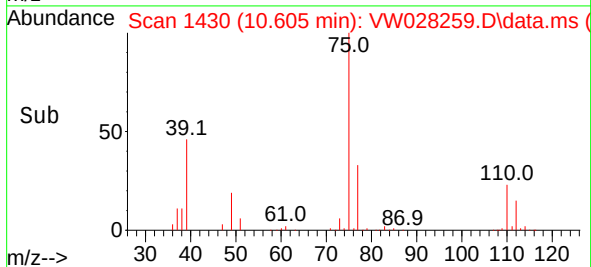
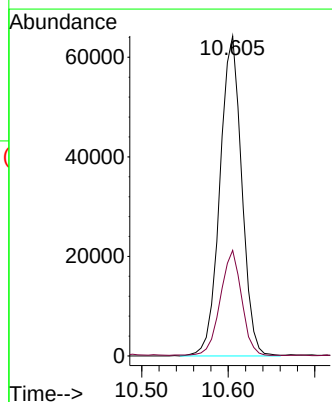
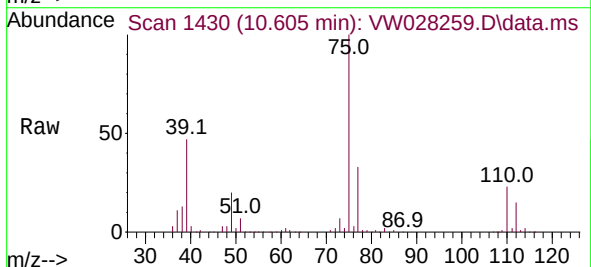
Acq: 27 Mar 2024 18:36

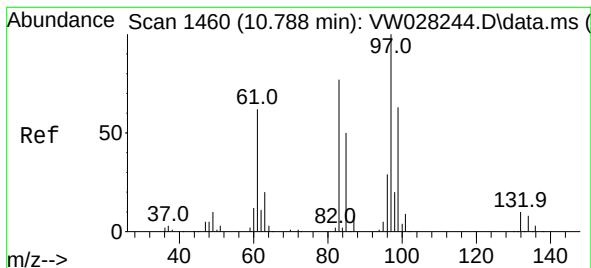
Tgt Ion: 75 Resp: 112595

Ion Ratio Lower Upper

75 100

77 33.0 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 25.594 ug/L

RT: 10.782 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 62132

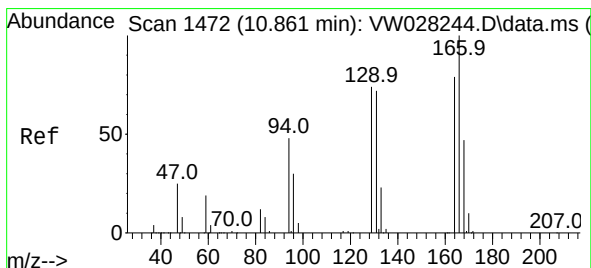
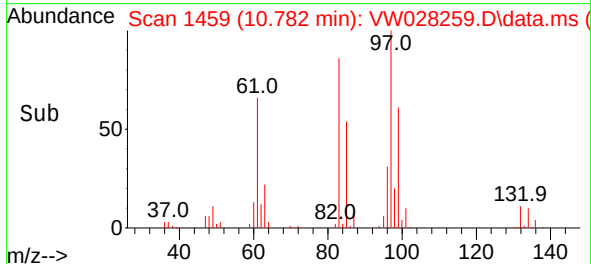
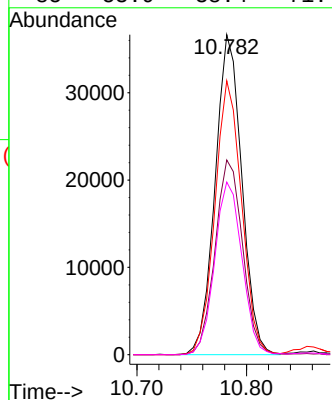
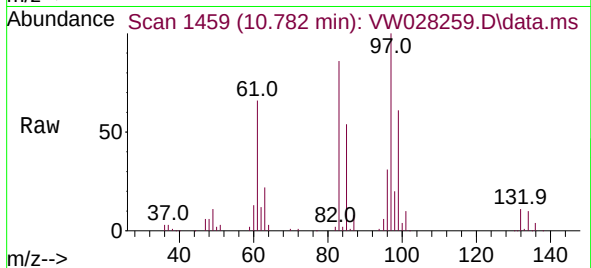
Ion Ratio Lower Upper

97 100

99 60.8 43.4 80.6

83 85.6 59.4 110.4

85 53.9 38.4 71.4



#46

Tetrachloroethene

Concen: 22.854 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Tgt Ion: 164 Resp: 67515

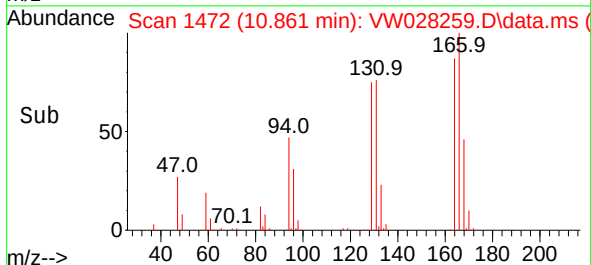
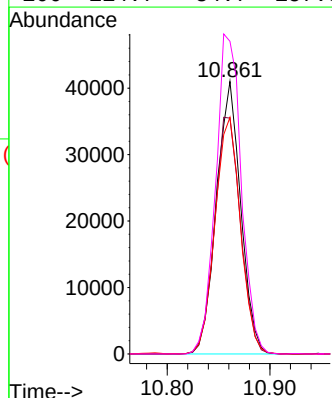
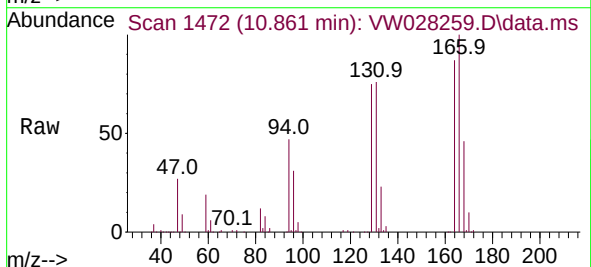
Ion Ratio Lower Upper

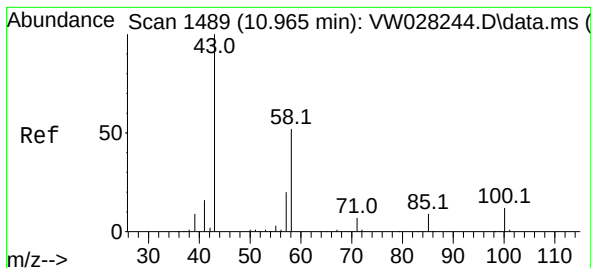
164 100

129 86.5 64.0 119.0

131 86.8 62.6 116.3

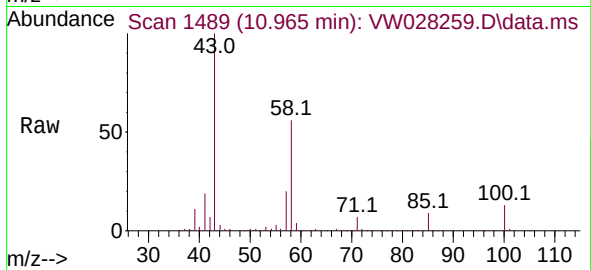
166 114.7 84.7 157.3



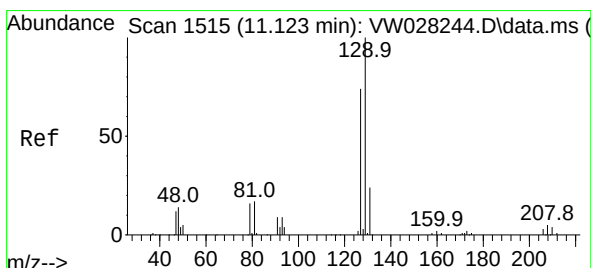
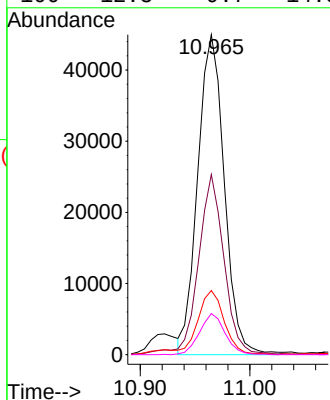
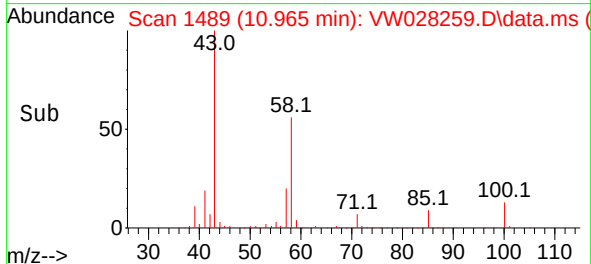


#48  
2-Hexanone  
Concen: 52.209 ug/L  
RT: 10.965 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

Instrument :  
MSVOA\_W  
ClientSampleId :

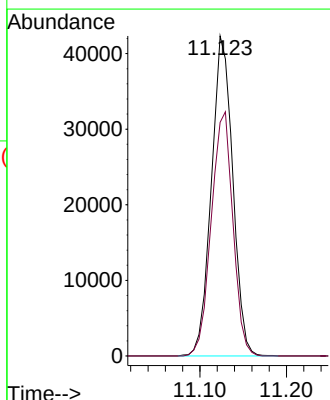
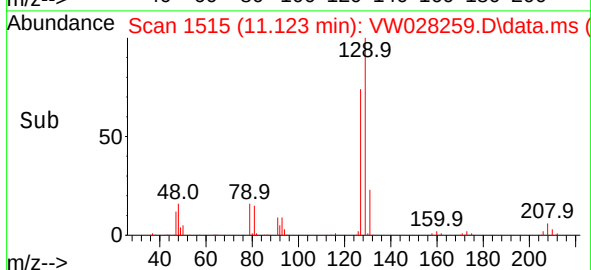
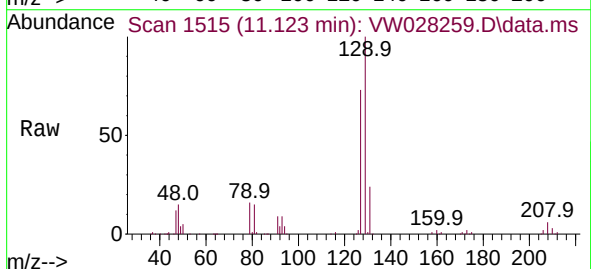


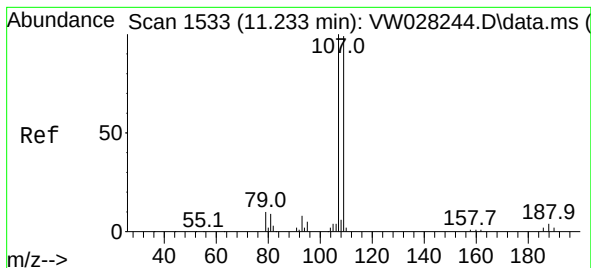
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 75849 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 52.3     | 40.6 61.0   |
| 57 20.0     | 15.7 23.5   |
| 100 12.3    | 9.7 14.5    |



#49  
Dibromochloromethane  
Concen: 25.225 ug/L  
RT: 11.123 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

|             |             |       |  |
|-------------|-------------|-------|--|
| Tgt Ion:129 | Resp: 72521 |       |  |
| Ion Ratio   | Lower       | Upper |  |
| 129 100     |             |       |  |
| 127 73.0    | 53.1        | 98.7  |  |





#50

1,2-Dibromoethane

Concen: 26.113 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW028259.D

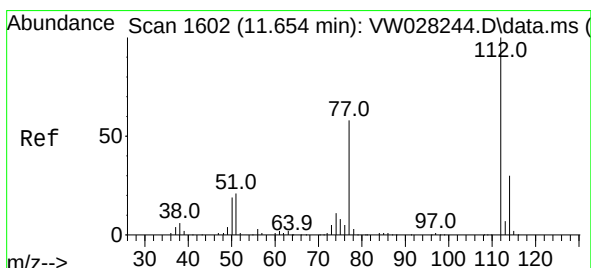
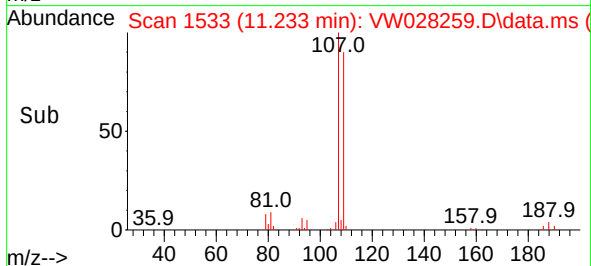
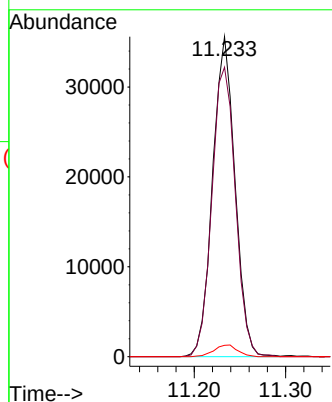
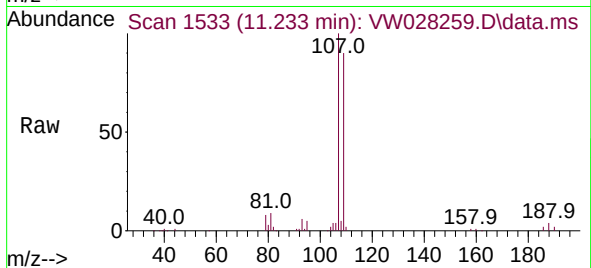
Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 60614 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 90.4  | 64.4  | 119.6 |
| 188      | 3.5   | 3.4   | 5.2   |



#51

Chlorobenzene

Concen: 24.078 ug/L

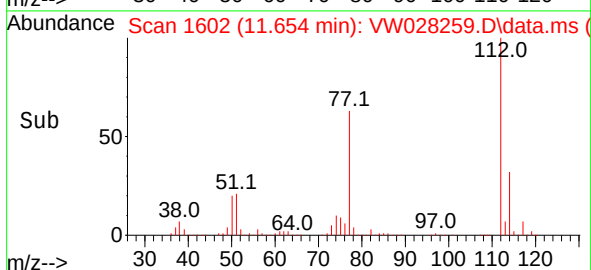
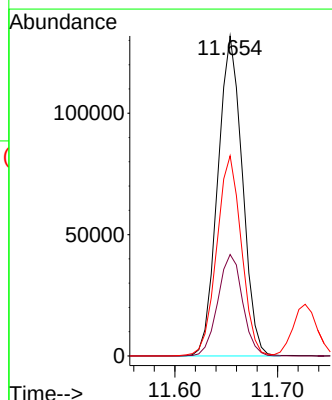
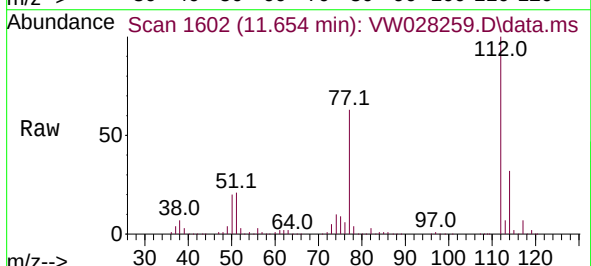
RT: 11.654 min Scan# 1602

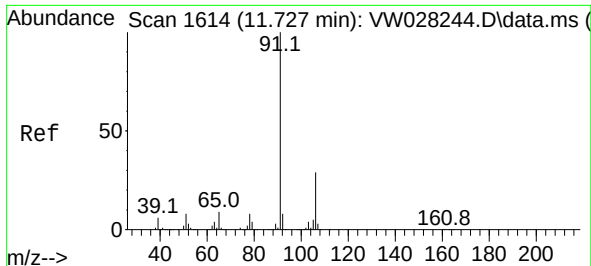
Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 219104 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 31.7  | 21.8  | 40.6   |
| 77       | 62.6  | 50.6  | 76.0   |





#52

Ethylbenzene

Concen: 23.943 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

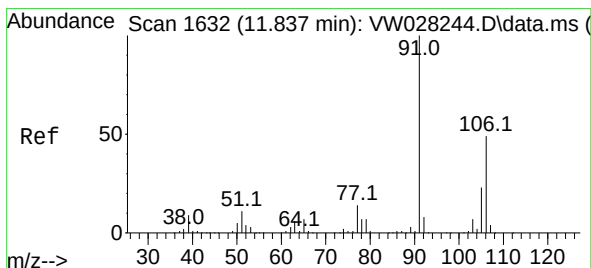
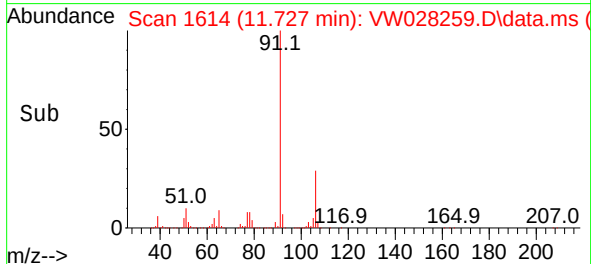
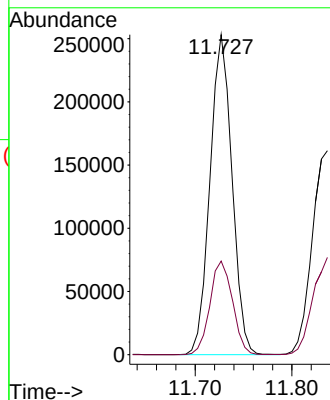
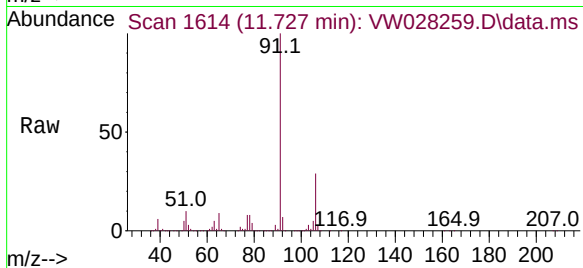
ClientSampleId :

Tgt Ion: 91 Resp: 400699

Ion Ratio Lower Upper

91 100

106 29.2 21.3 39.5



#53

m,p-Xylene

Concen: 23.240 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW028259.D

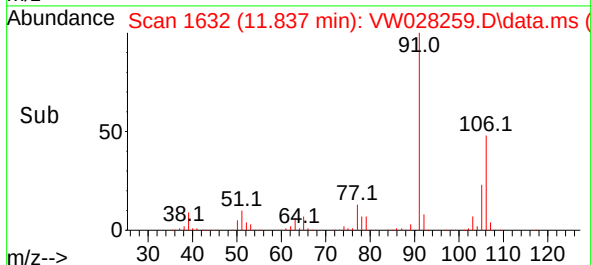
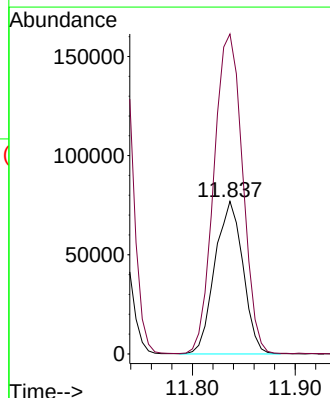
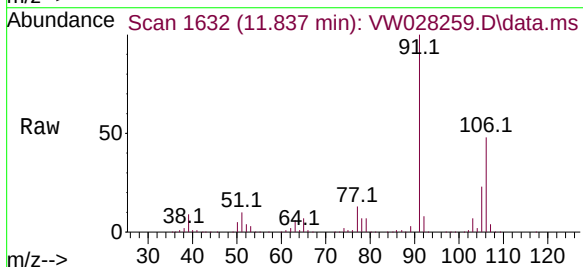
Acq: 27 Mar 2024 18:36

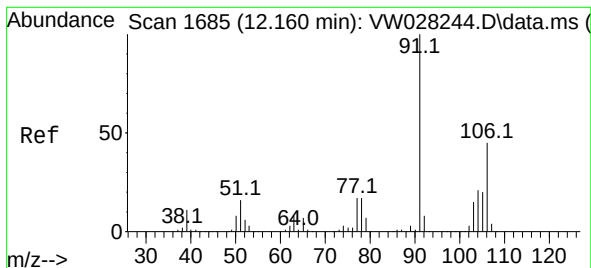
Tgt Ion:106 Resp: 146360

Ion Ratio Lower Upper

106 100

91 209.6 147.1 273.1





#54

o-Xylene

Concen: 24.468 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

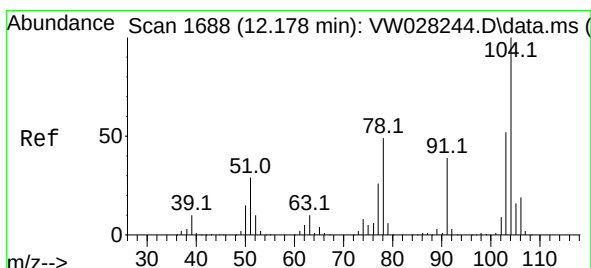
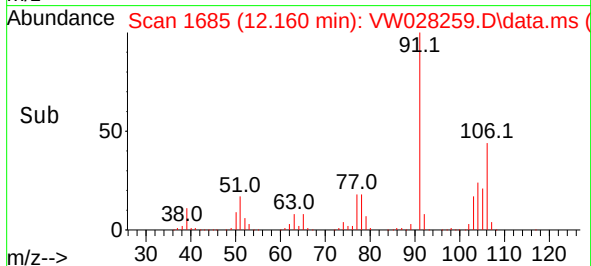
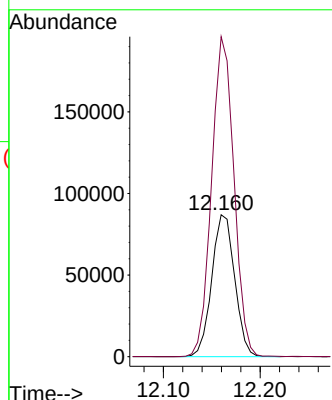
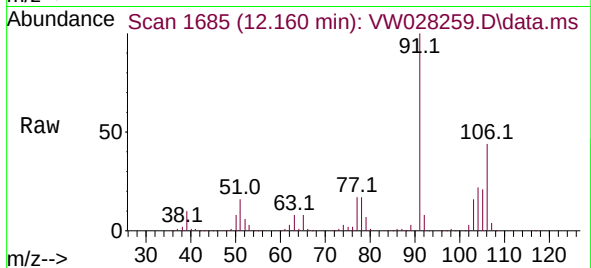
ClientSampleId :

Tgt Ion:106 Resp: 142899

Ion Ratio Lower Upper

106 100

91 225.4 149.2 277.2



#55

Styrene

Concen: 24.907 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW028259.D

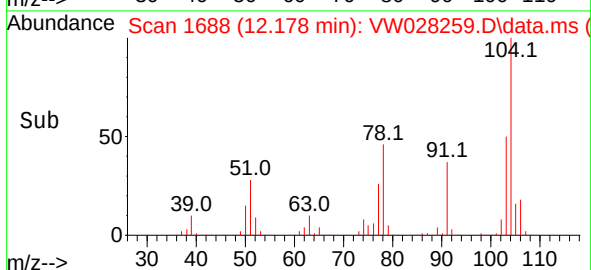
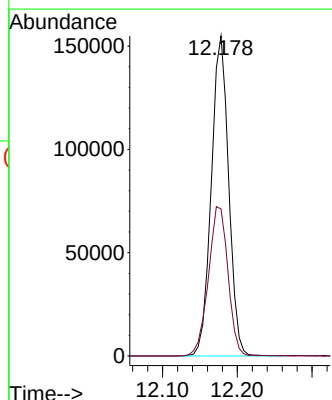
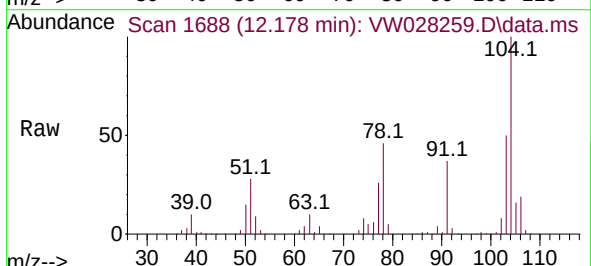
Acq: 27 Mar 2024 18:36

Tgt Ion:104 Resp: 249860

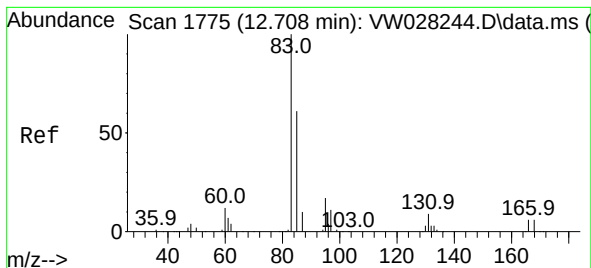
Ion Ratio Lower Upper

104 100

78 46.0 33.2 61.7



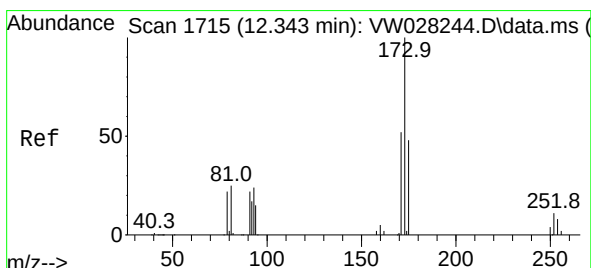
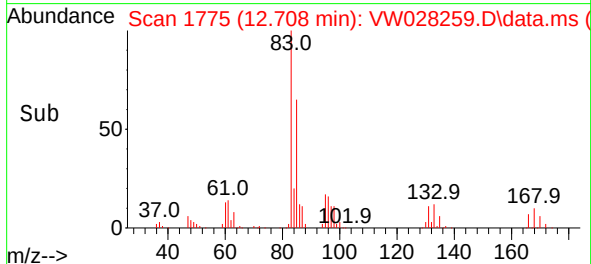
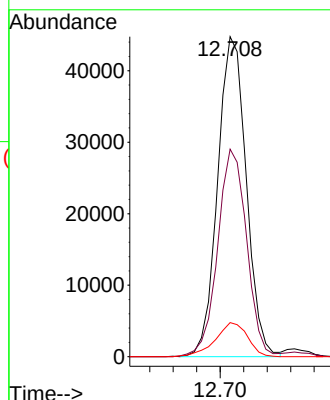
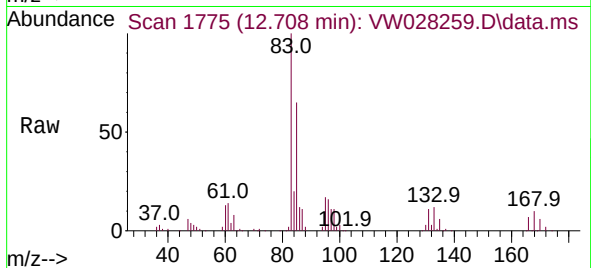




#57  
1,1,2,2-Tetrachloroethane  
Concen: 27.291 ug/L  
RT: 12.708 min Scan# 1775  
Delta R.T. -0.000 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

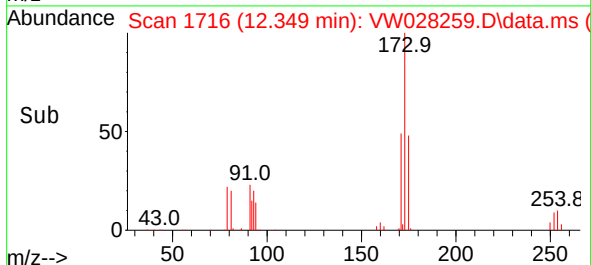
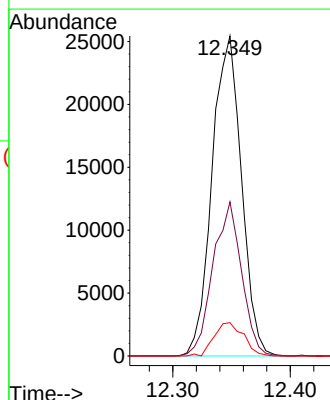
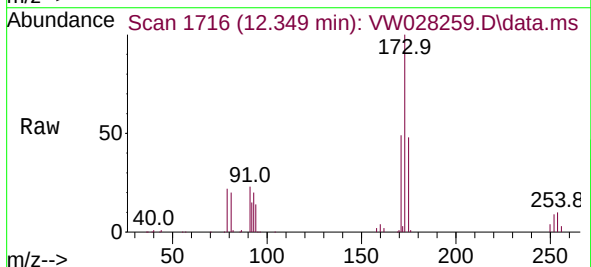
Instrument :  
MSVOA\_W  
ClientSampleId :

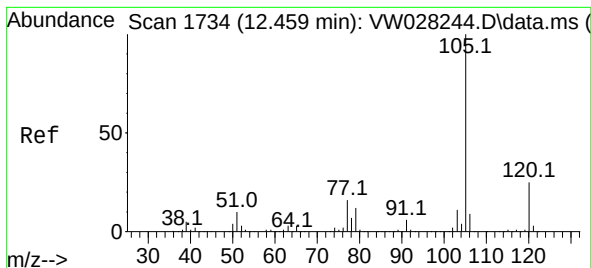
Tgt Ion: 83 Resp: 75777  
Ion Ratio Lower Upper  
83 100  
85 64.8 47.0 87.2  
131 10.7 8.9 13.3



#59  
Bromoform  
Concen: 25.766 ug/L  
RT: 12.349 min Scan# 1716  
Delta R.T. 0.006 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

Tgt Ion:173 Resp: 44142  
Ion Ratio Lower Upper  
173 100  
175 46.9 39.8 59.6  
254 10.3 8.5 12.7





#60

Isopropylbenzene

Concen: 23.745 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :

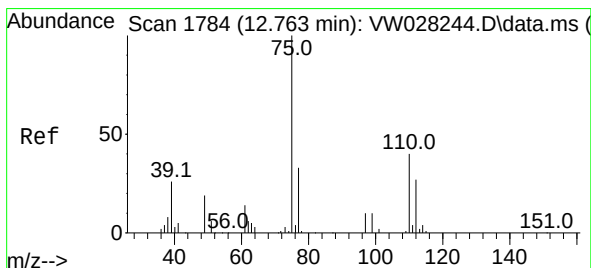
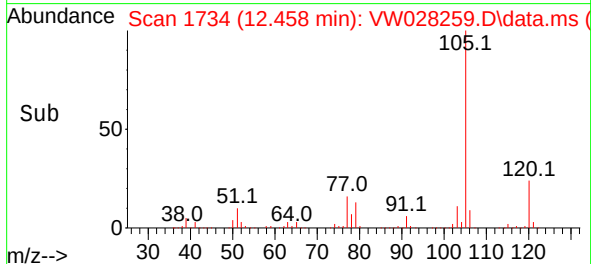
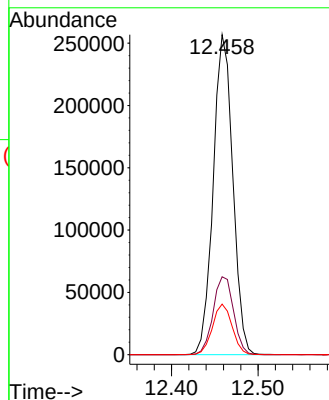
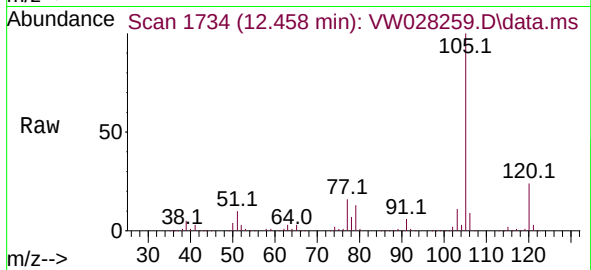
Tgt Ion:105 Resp: 403349

Ion Ratio Lower Upper

105 100

120 25.4 21.0 31.6

77 15.9 13.7 20.5



#61

1,2,3-Trichloropropane

Concen: 25.910 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

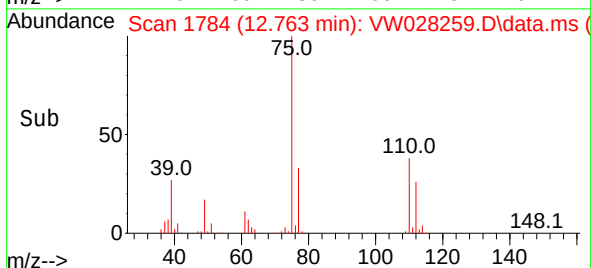
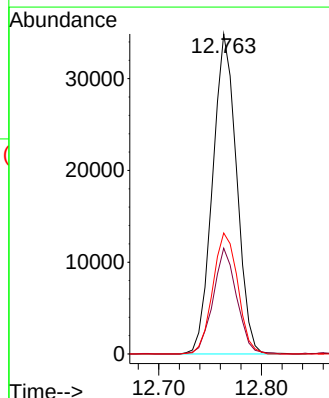
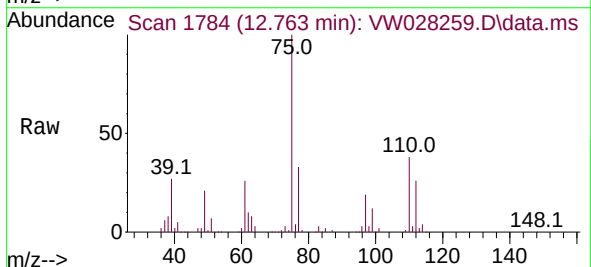
Tgt Ion: 75 Resp: 56535

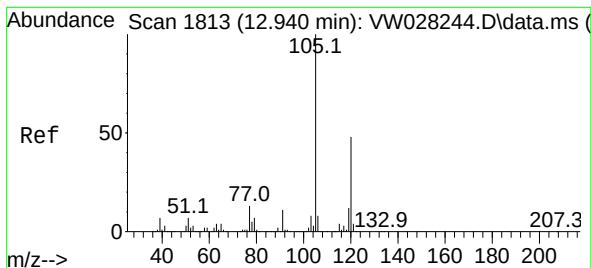
Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

110 39.4 32.2 48.2

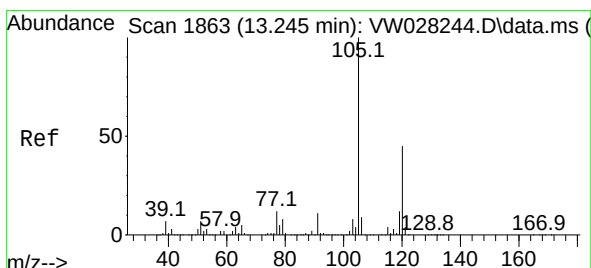
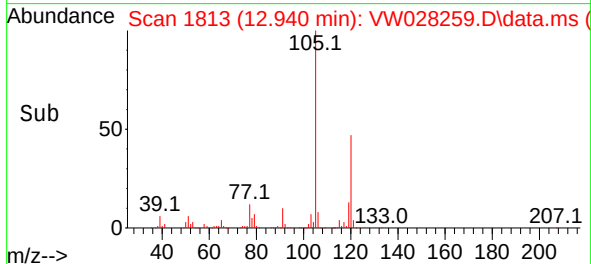
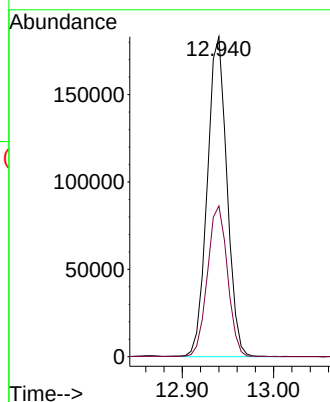
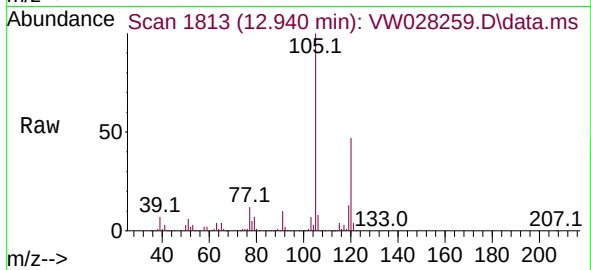




#62  
1,3,5-Trimethylbenzene  
Concen: 24.098 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

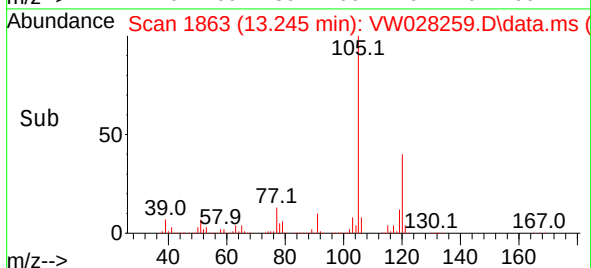
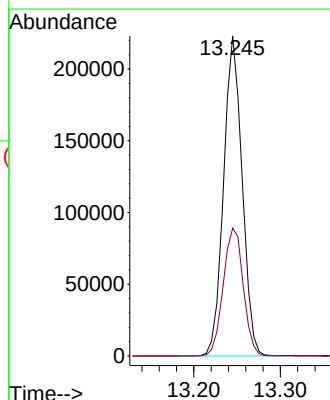
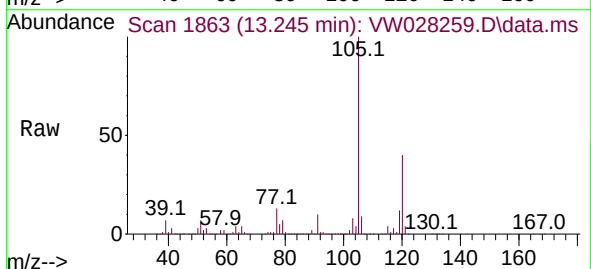
Instrument :  
MSVOA\_W  
ClientSampleId :

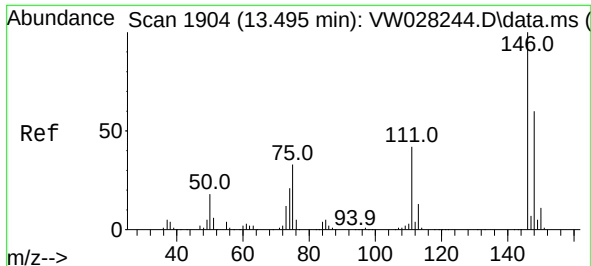
Tgt Ion:105 Resp: 274658  
Ion Ratio Lower Upper  
105 100  
120 47.9 38.2 57.2



#63  
1,2,4-Trimethylbenzene  
Concen: 24.081 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

Tgt Ion:105 Resp: 331411  
Ion Ratio Lower Upper  
105 100  
120 43.1 35.6 53.4





#64

1,3-Dichlorobenzene

Concen: 23.419 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :

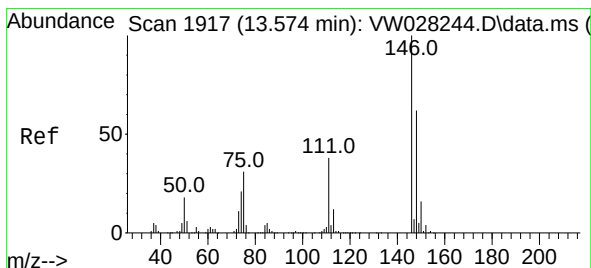
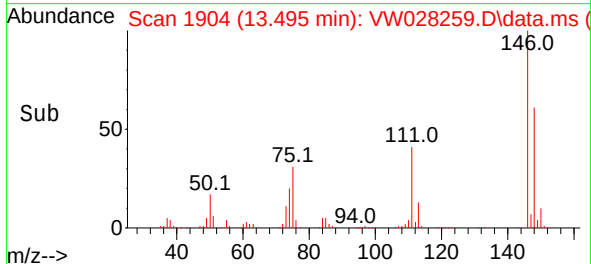
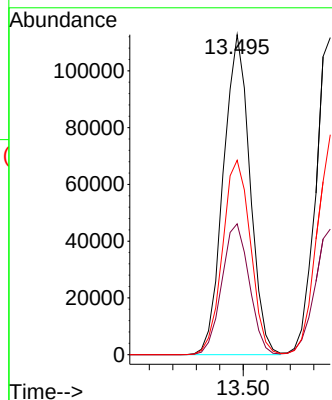
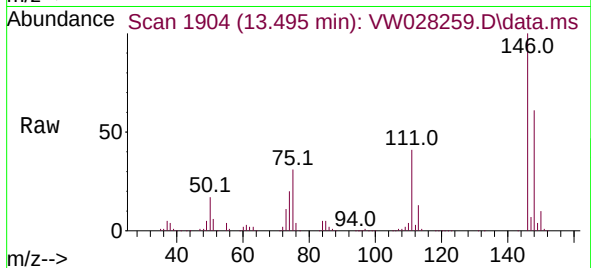
Tgt Ion:146 Resp: 177475

Ion Ratio Lower Upper

146 100

111 40.9 28.5 52.9

148 60.7 43.0 80.0



#65

1,4-Dichlorobenzene

Concen: 23.261 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

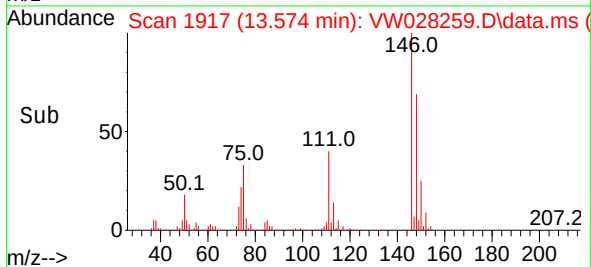
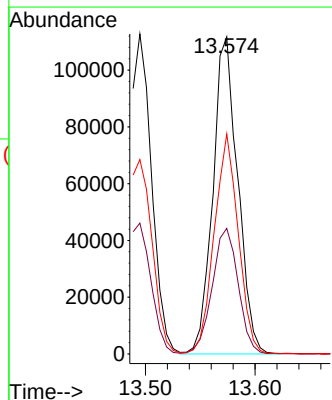
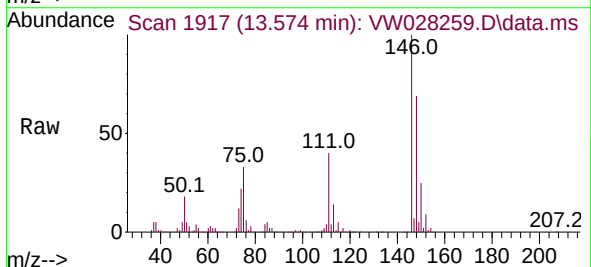
Tgt Ion:146 Resp: 176270

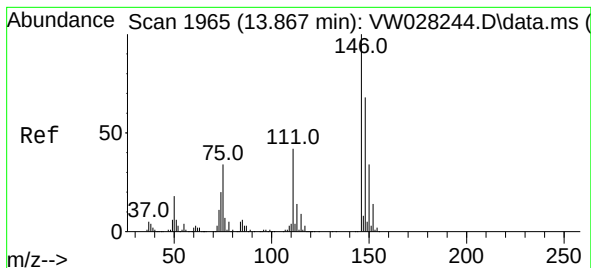
Ion Ratio Lower Upper

146 100

111 39.6 28.8 53.6

148 69.4 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 24.932 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :

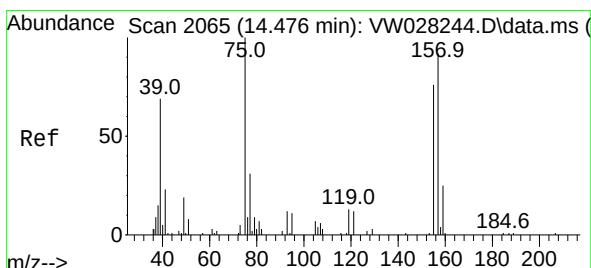
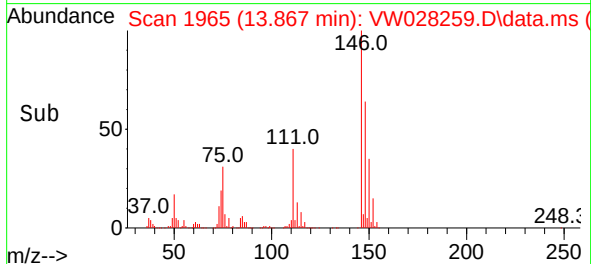
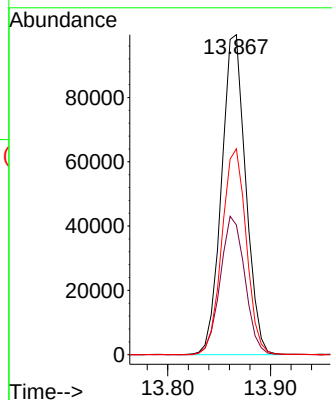
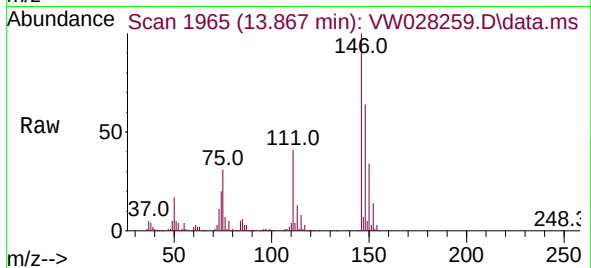
Tgt Ion:146 Resp: 162705

Ion Ratio Lower Upper

146 100

111 40.6 34.2 51.2

148 64.4 48.1 72.1



#68

1,2-Dibromo-3-chloropropane

Concen: 26.387 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. -0.000 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

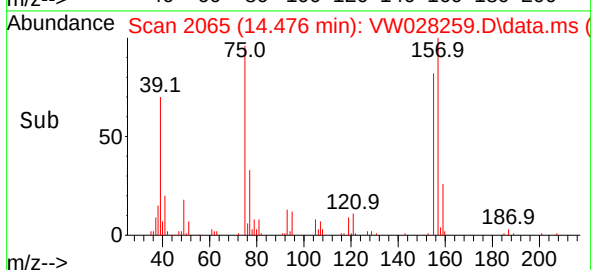
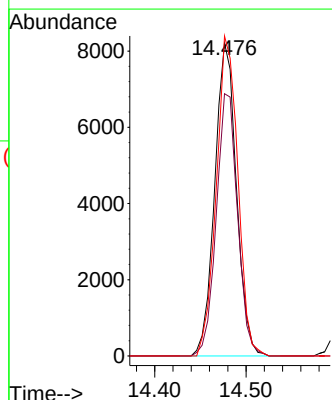
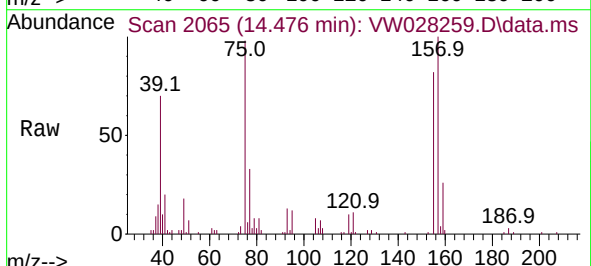
Tgt Ion: 75 Resp: 13525

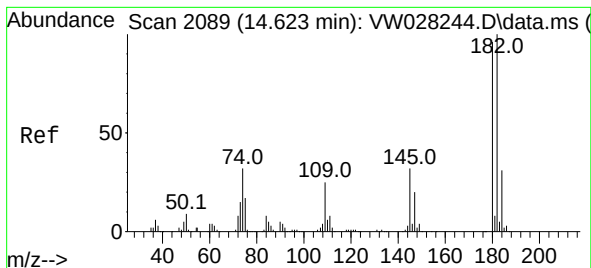
Ion Ratio Lower Upper

75 100

155 83.8 61.1 91.7

157 102.3 74.2 111.4





#69

1,3,5-Trichlorobenzene

Concen: 23.259 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

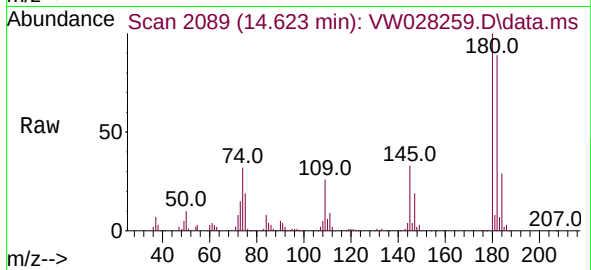
Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 122775

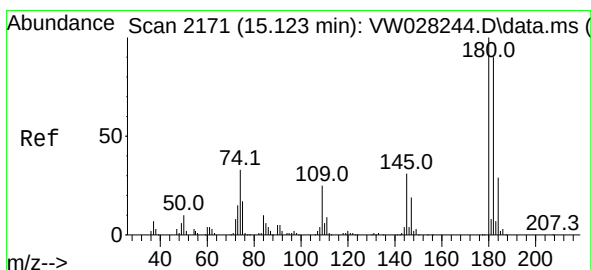
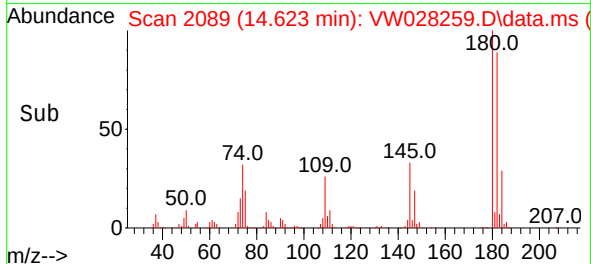
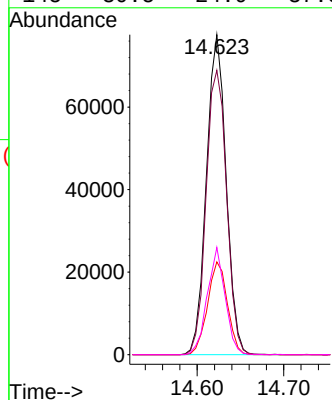
Ion Ratio Lower Upper

180 100

182 92.2 76.6 114.8

184 29.2 23.5 35.3

145 30.5 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 23.810 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW028259.D

Acq: 27 Mar 2024 18:36

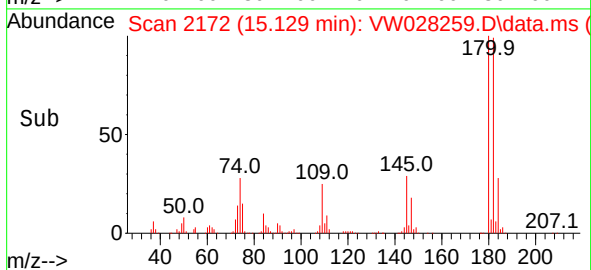
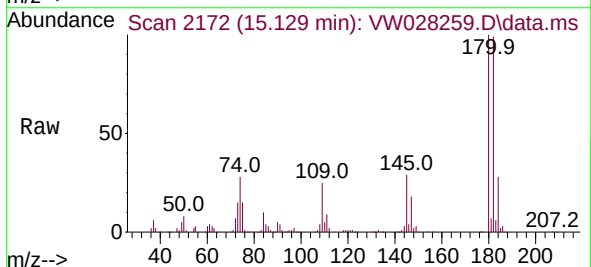
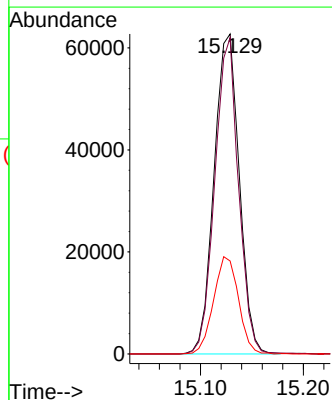
Tgt Ion:180 Resp: 106776

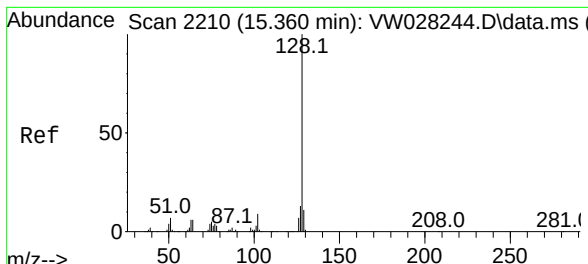
Ion Ratio Lower Upper

180 100

182 92.9 73.8 110.8

145 30.1 25.0 37.6



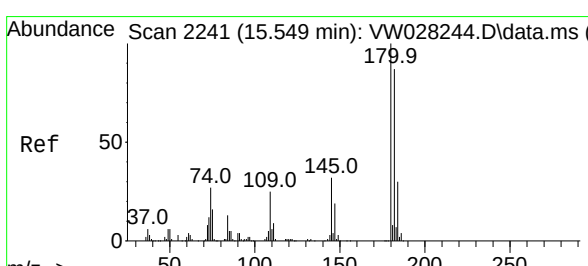
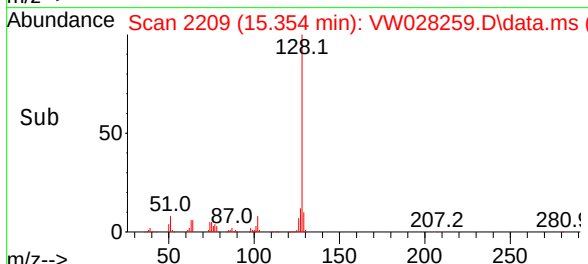
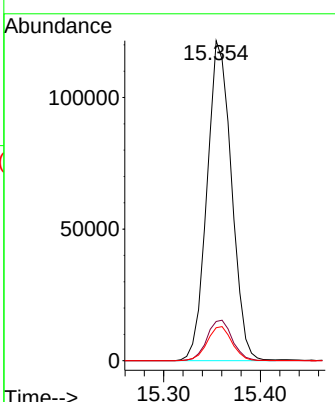
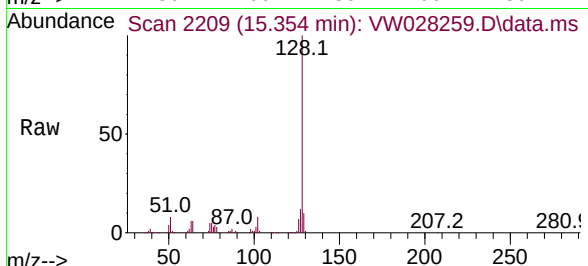


#71  
Naphthalene  
Concen: 27.781 ug/L  
RT: 15.354 min Scan# 2210  
Delta R.T. -0.006 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:128 Resp: 213832

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 10.9  | 16.3  |
| 129 | 10.8  | 8.9   | 13.3  |



#72  
1,2,3-Trichlorobenzene  
Concen: 25.257 ug/L  
RT: 15.549 min Scan# 2241  
Delta R.T. -0.000 min  
Lab File: VW028259.D  
Acq: 27 Mar 2024 18:36

Tgt Ion:180 Resp: 93370

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.0  | 76.0  | 114.0 |
| 145 | 32.7  | 27.1  | 40.7  |

