

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062124\  
 Data File : VW029301.D  
 Acq On : 21 Jun 2024 14:46  
 Operator : SY/MD  
 Sample : P2982-02MS  
 Misc : 2.65g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jun 21 22:55:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 21 22:53:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 424771   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 319456   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 110419   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 118273   | 20.117   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.480%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 102686   | 20.682   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.720%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 57155    | 20.134   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 80.520%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 76590    | 43.542   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 87.080%  |
| 24) Chloroform-d              | 7.648  | 84    | 277229   | 21.879   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 87.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 156063   | 21.452   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 85.800%  |
| 32) Benzene-d6                | 8.270  | 84    | 523913   | 27.001   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 108.000% |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 170582   | 27.656   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 110.640% |
| 41) Toluene-d8                | 10.325 | 98    | 430616   | 25.084   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 100.320% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 57871    | 23.283   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 93.120%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 56431    | 58.362   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 116.720% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 111925   | 22.800   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 91.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 84432    | 22.029   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 88.120%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 79275    | 19.129   | ug/L   | 100      |
| 3) Chloromethane              | 2.228  | 50    | 113401   | 19.191   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 130759   | 19.269   | ug/L   | 98       |
| 6) Bromomethane               | 2.789  | 94    | 70862    | 17.374   | ug/L   | 93       |
| 8) Chloroethane               | 2.936  | 64    | 81394    | 19.610   | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 109245   | 20.765   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 93249    | 16.076   | ug/L # | 64       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 104147   | 21.160   | ug/L   | 93       |
| 13) Acetone                   | 4.118  | 43    | 42611    | 28.505   | ug/L   | 93       |
| 14) Carbon disulfide          | 4.393  | 76    | 278774   | 17.351   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 48611    | 16.381   | ug/L   | 99       |
| 16) Methylene chloride        | 4.917  | 84    | 131830   | 17.650   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 116575   | 21.328   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 205692   | 23.521   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 255201   | 21.618   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 132408   | 21.967   | ug/L   | 100      |
| 22) 2-Butanone                | 7.173  | 43    | 78727    | 38.420   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 56604    | 21.096   | ug/L   | 93       |
| 25) Chloroform                | 7.673  | 83    | 242247   | 21.014   | ug/L   | 98       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

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 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 21 22:53:01 2024  
 Response via : Initial Calibration

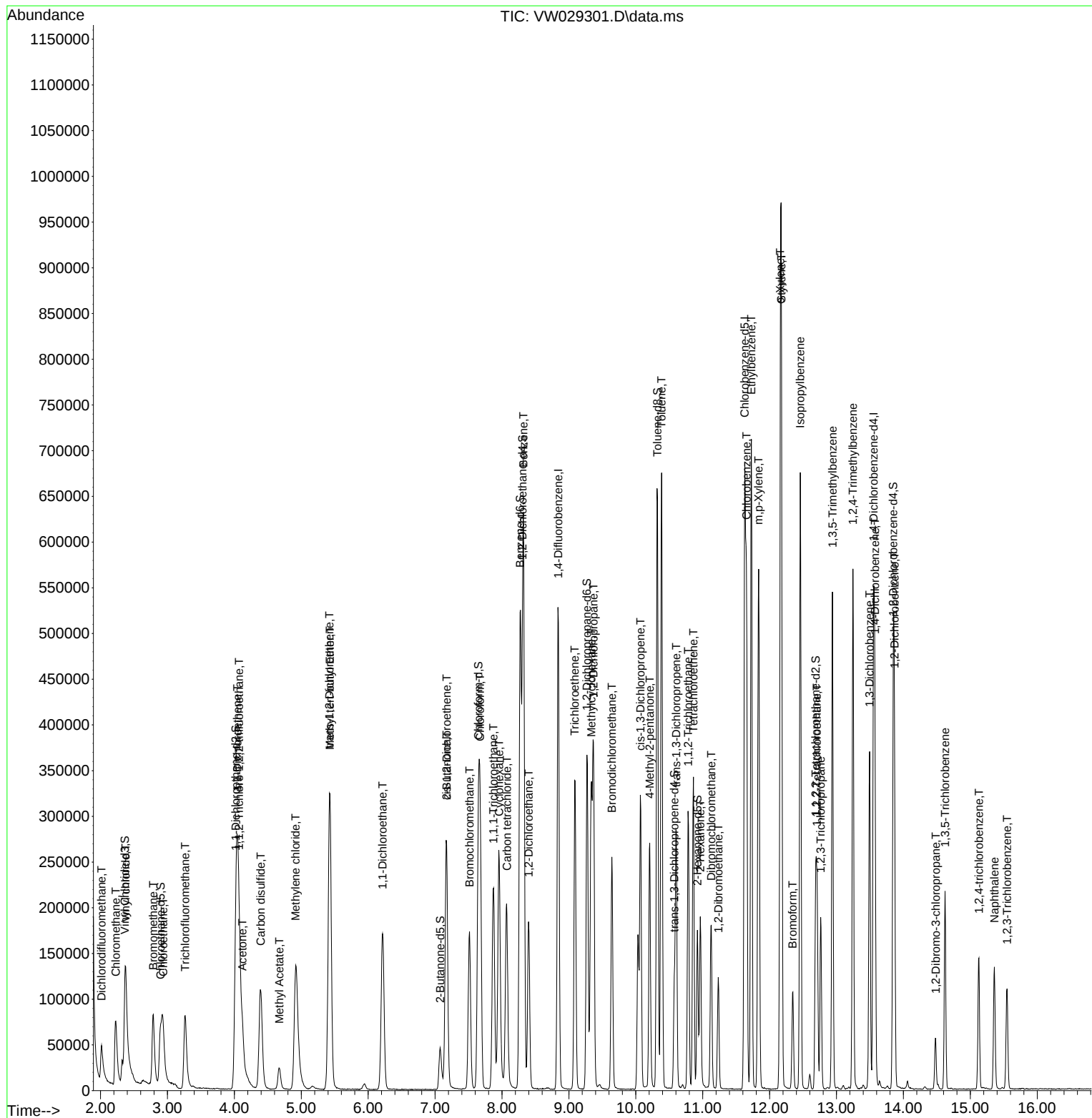
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 170626   | 20.069 | ug/L   | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 150358   | 20.588 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 181892   | 25.605 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 153057   | 23.586 | ug/L   | 97       |
| 33) Benzene                   | 8.319  | 78   | 508392   | 26.486 | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 121118   | 23.651 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 124281   | 15.432 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 138302   | 25.642 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 165611   | 25.113 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 183443   | 24.060 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 185265   | 55.419 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 475243   | 24.084 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 152102   | 23.627 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 92148    | 24.531 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 70620    | 19.727 | ug/L   | 88       |
| 48) 2-Hexanone                | 10.965 | 43   | 123806   | 52.193 | ug/L   | 100      |
| 49) Dibromochloromethane      | 11.129 | 129  | 91827    | 23.385 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 80533    | 23.883 | ug/L   | 96       |
| 51) Chlorobenzene             | 11.654 | 112  | 273501   | 21.344 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 481450   | 21.494 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.836 | 106  | 172774   | 21.117 | ug/L   | 99       |
| 54) o-Xylene                  | 12.160 | 106  | 166376   | 21.758 | ug/L   | 97       |
| 55) Styrene                   | 12.178 | 104  | 278524   | 20.891 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 96597    | 20.789 | ug/L   | 99       |
| 59) Bromoform                 | 12.342 | 173  | 47747    | 31.550 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 405662   | 27.572 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 76728    | 31.858 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 270458   | 25.382 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 289655   | 25.265 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 139454   | 21.902 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 142733   | 21.070 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 123740   | 21.022 | ug/L   | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 14220    | 25.301 | ug/L # | 79       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 58109    | 13.523 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 42200    | 12.115 | ug/L   | 96       |
| 71) Naphthalene               | 15.360 | 128  | 108124   | 15.727 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 35034    | 11.038 | ug/L   | 99       |

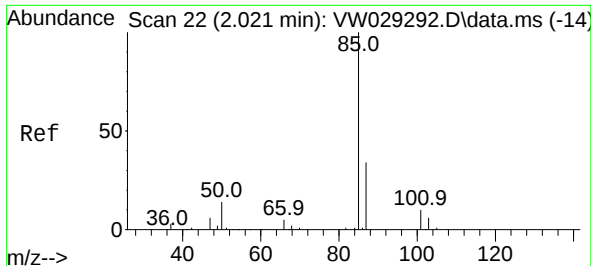
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 21 22:53:01 2024  
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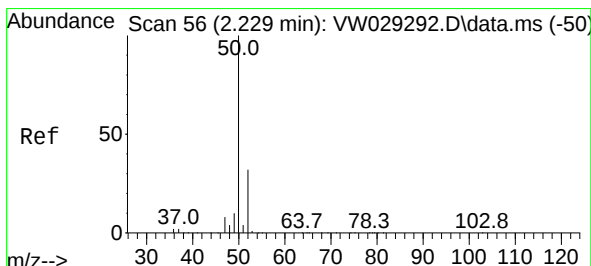
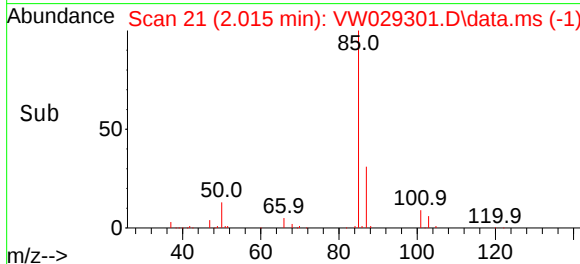
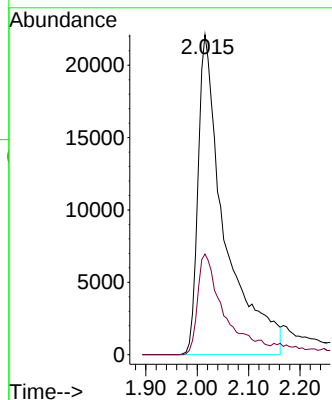
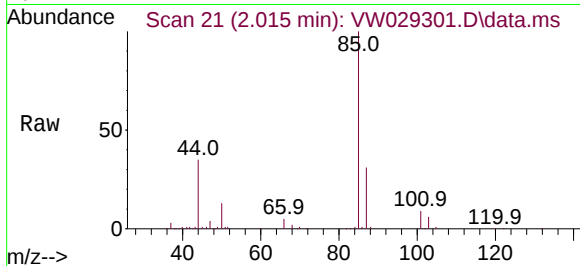




#2  
Dichlorodifluoromethane  
Concen: 19.129 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

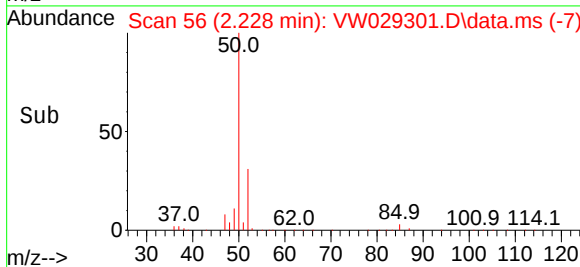
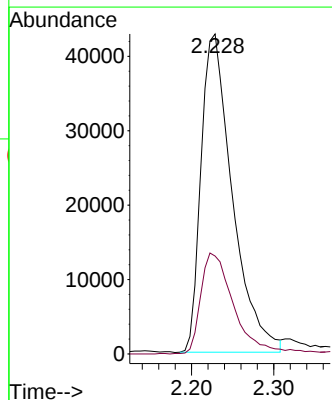
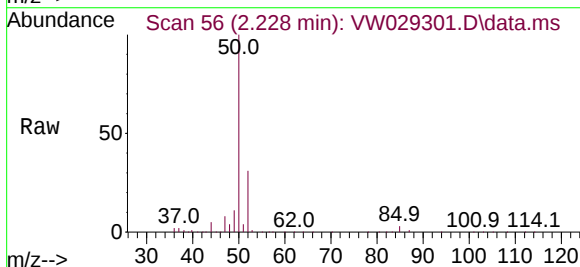
Instrument :  
MSVOA\_W  
ClientSampleId :

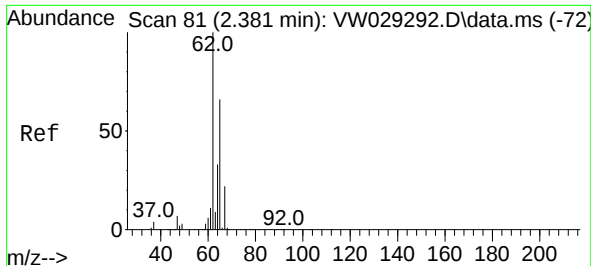
Tgt Ion: 85 Resp: 79275  
Ion Ratio Lower Upper  
85 100  
87 29.8 23.8 35.6



#3  
Chloromethane  
Concen: 19.191 ug/L  
RT: 2.228 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

Tgt Ion: 50 Resp: 113401  
Ion Ratio Lower Upper  
50 100  
52 30.6 22.3 41.5

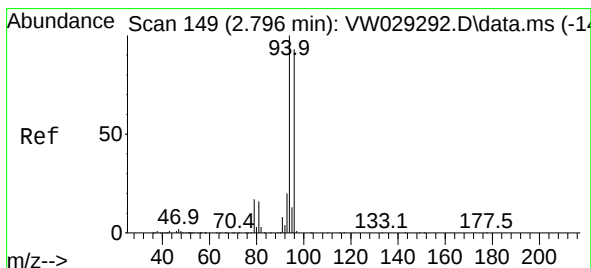
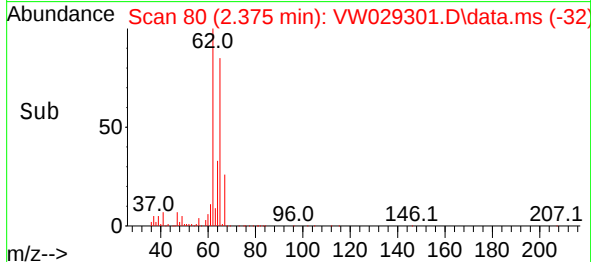
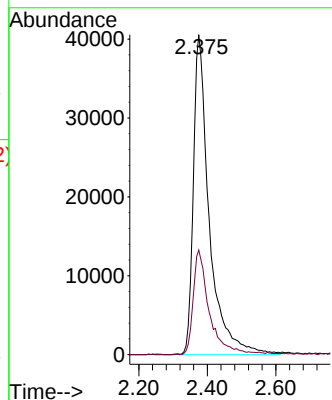
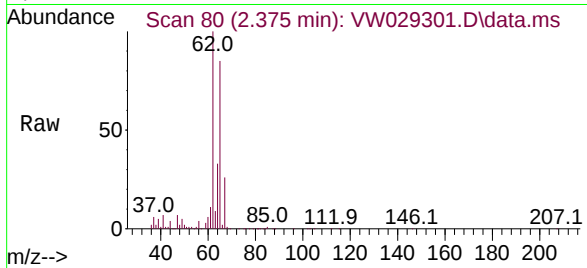




#5  
 Vinyl chloride  
 Concen: 19.269 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: VW029301.D  
 Acq: 21 Jun 2024 14:46

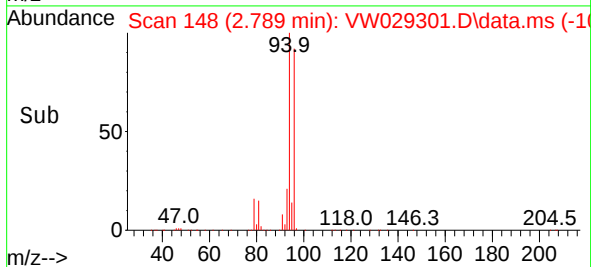
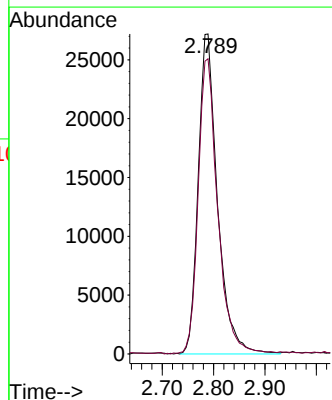
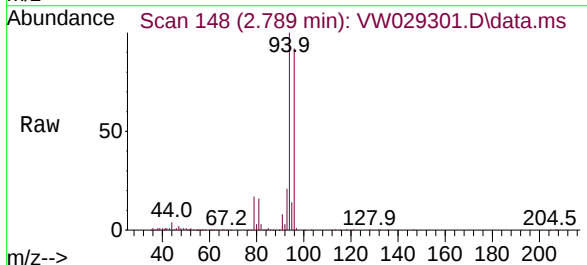
Instrument :  
 MSVOA\_W  
 ClientSampleId :

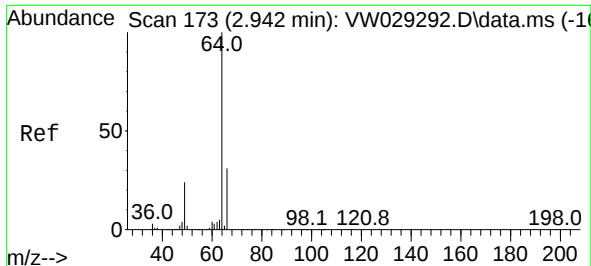
Tgt Ion: 62 Resp: 130759  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 22.0 40.8



#6  
 Bromomethane  
 Concen: 17.374 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.006 min  
 Lab File: VW029301.D  
 Acq: 21 Jun 2024 14:46

Tgt Ion: 94 Resp: 70862  
 Ion Ratio Lower Upper  
 94 100  
 96 92.3 69.5 129.1

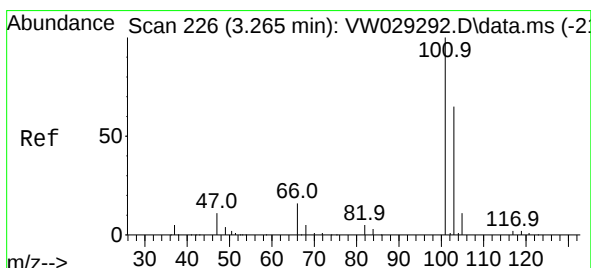
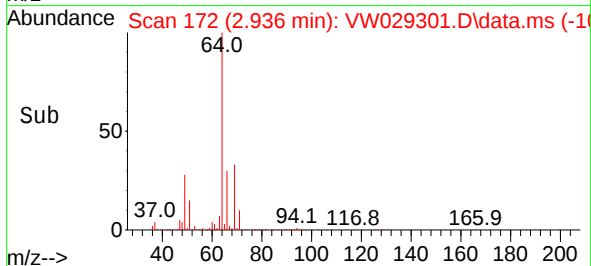
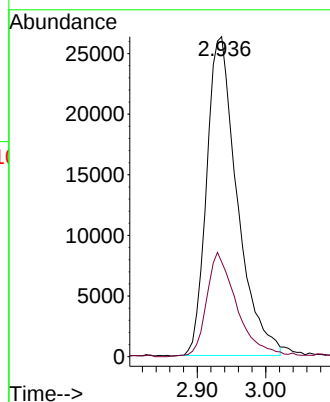
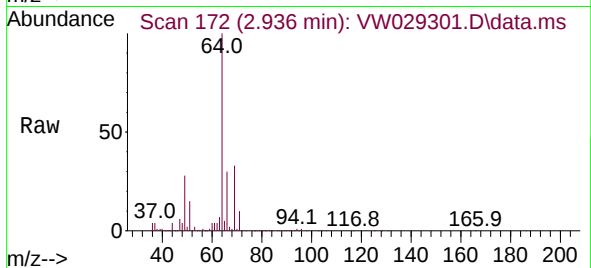




#8  
Chloroethane  
Concen: 19.610 ug/L  
RT: 2.936 min Scan# 173  
Delta R.T. -0.006 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

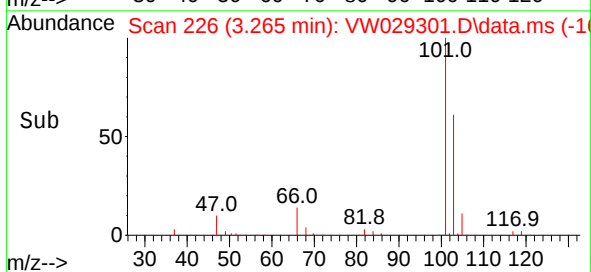
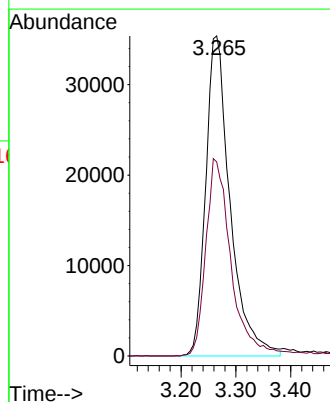
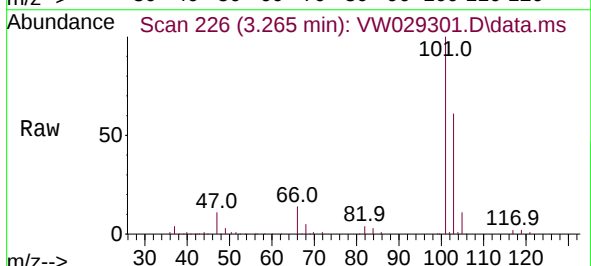
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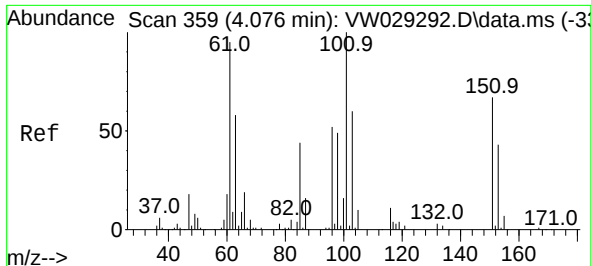
Tgt Ion: 64 Resp: 81394  
Ion Ratio Lower Upper  
64 100  
66 29.6 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 20.765 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.000 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

Tgt Ion:101 Resp: 109245  
Ion Ratio Lower Upper  
101 100  
103 63.8 50.8 76.2





#10

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

Concen: 16.076 ug/L

RT: 4.070 min Scan# 359

Delta R.T. -0.006 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

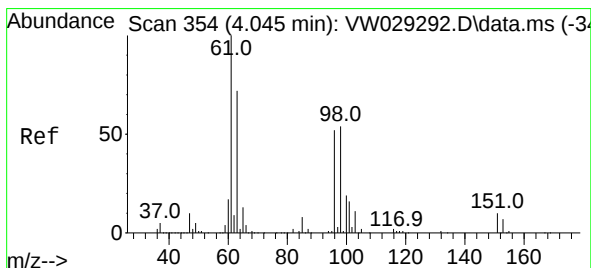
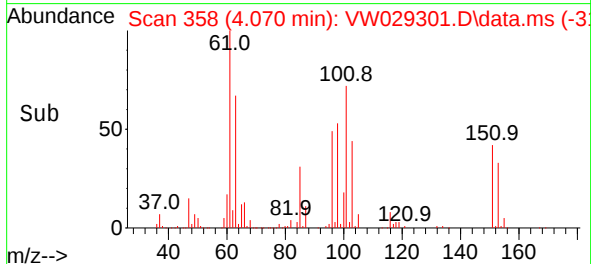
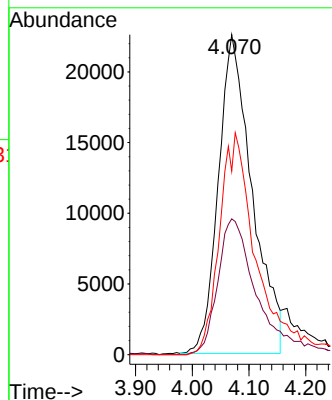
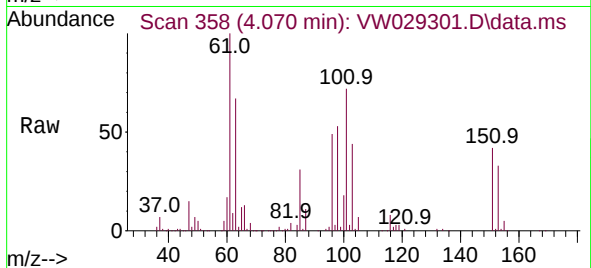
Tgt Ion:101 Resp: 93249

Ion Ratio Lower Upper

101 100

85 47.2 30.2 45.2#

151 28.2 52.2 78.4#



#12

1,1-Dichloroethene

Concen: 21.160 ug/L

RT: 4.045 min Scan# 354

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

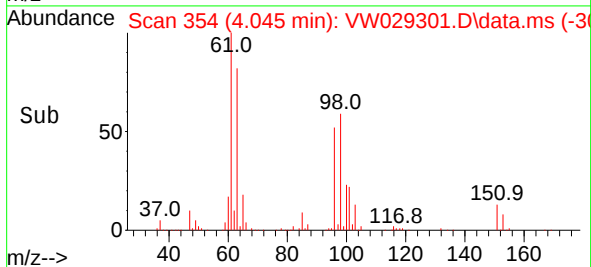
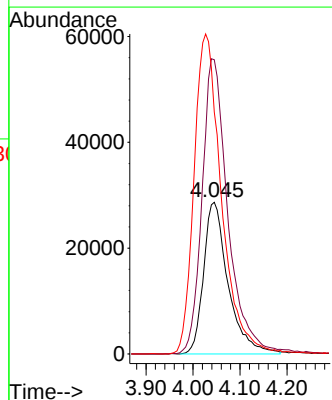
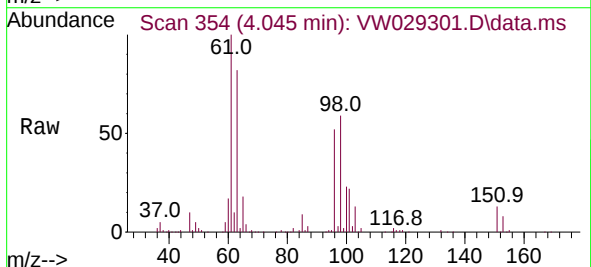
Tgt Ion: 96 Resp: 104147

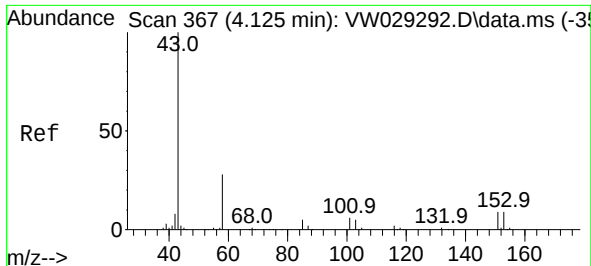
Ion Ratio Lower Upper

96 100

61 193.9 140.1 260.3

63 159.5 122.0 226.6





#13

Acetone

Concen: 28.505 ug/L

RT: 4.118 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

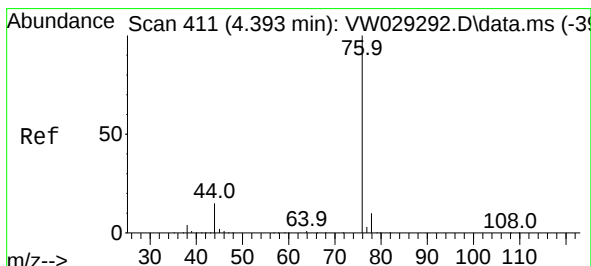
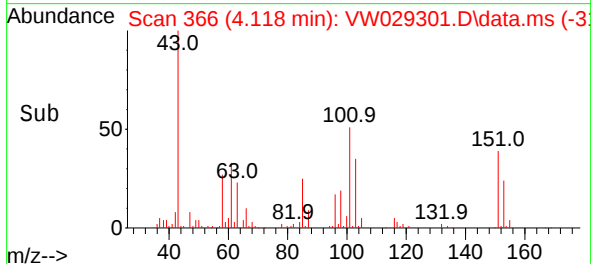
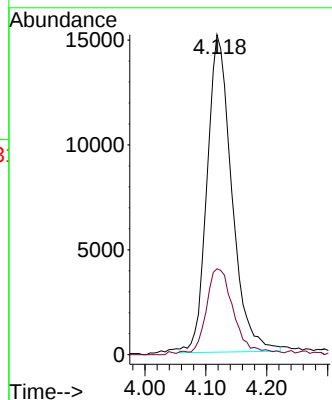
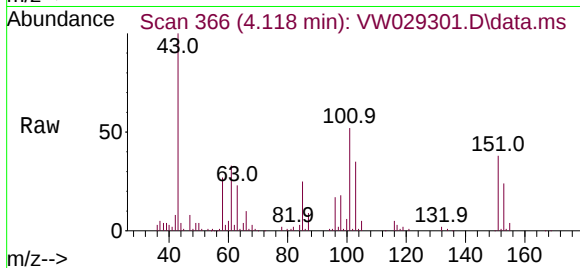
ClientSampleId :

Tgt Ion: 43 Resp: 42611

Ion Ratio Lower Upper

43 100

58 26.9 0.0 61.4



#14

Carbon disulfide

Concen: 17.351 ug/L

RT: 4.393 min Scan# 411

Delta R.T. -0.000 min

Lab File: VW029301.D

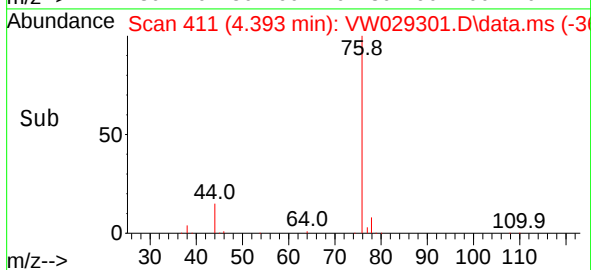
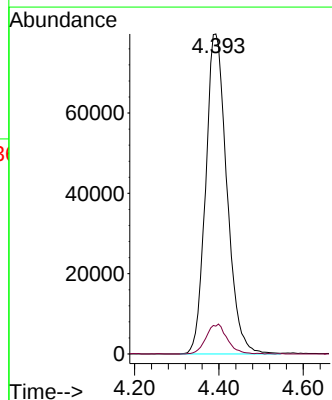
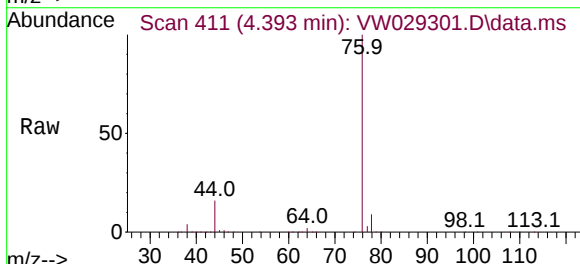
Acq: 21 Jun 2024 14:46

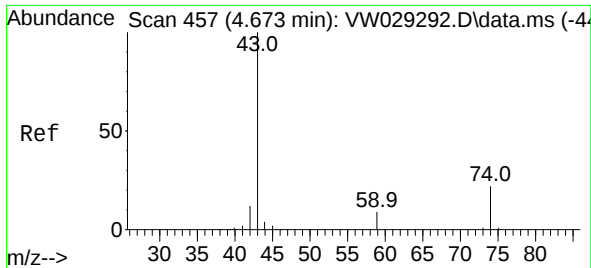
Tgt Ion: 76 Resp: 278774

Ion Ratio Lower Upper

76 100

78 8.7 7.2 10.8

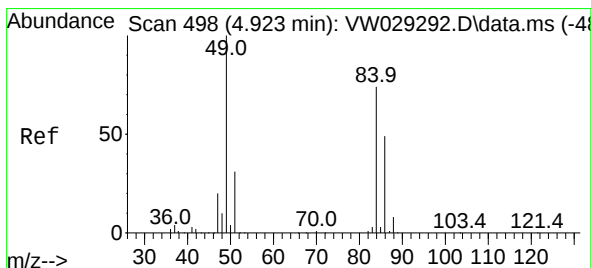
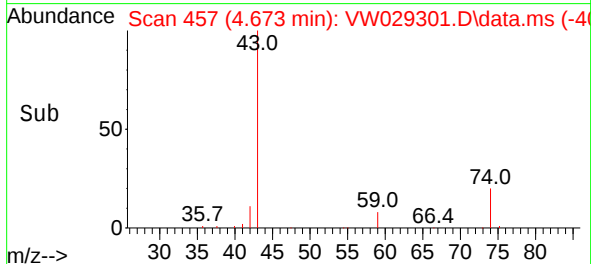
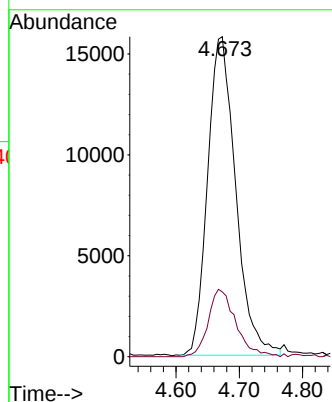
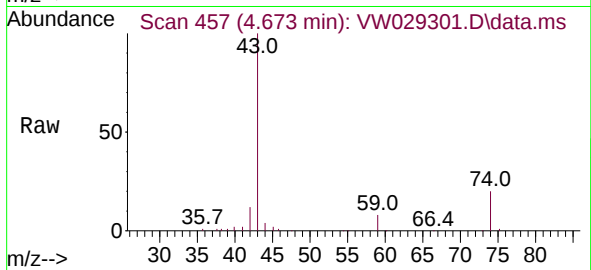




#15  
Methyl Acetate  
Concen: 16.381 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

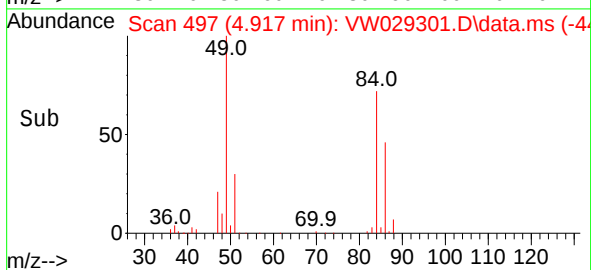
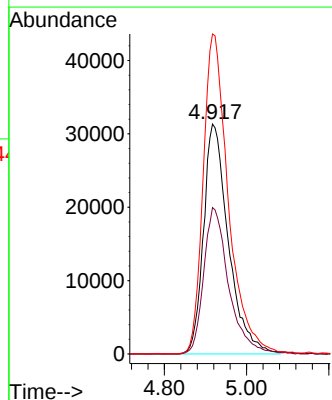
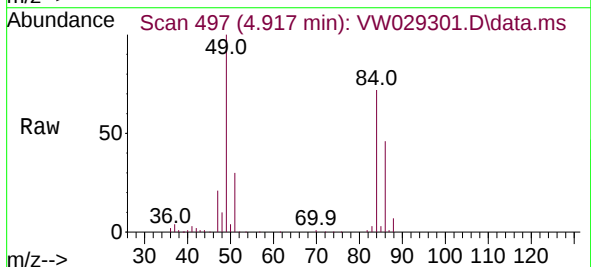
Instrument :  
MSVOA\_W  
ClientSampleId :

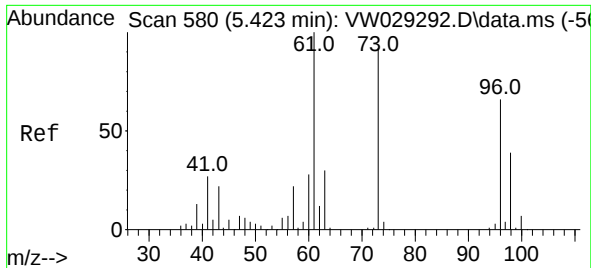
Tgt Ion: 43 Resp: 48611  
Ion Ratio Lower Upper  
43 100  
74 20.3 16.6 25.0



#16  
Methylene chloride  
Concen: 17.650 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.006 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

Tgt Ion: 84 Resp: 131830  
Ion Ratio Lower Upper  
84 100  
86 63.7 41.4 77.0  
49 139.2 95.7 177.7





#17

trans-1,2-Dichloroethene

Concen: 21.328 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

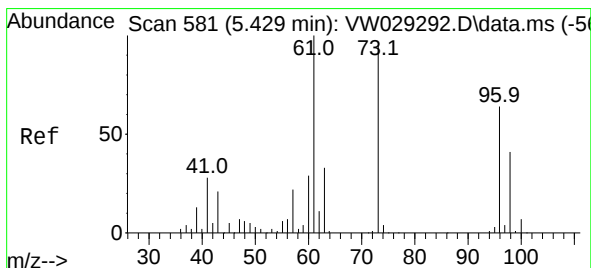
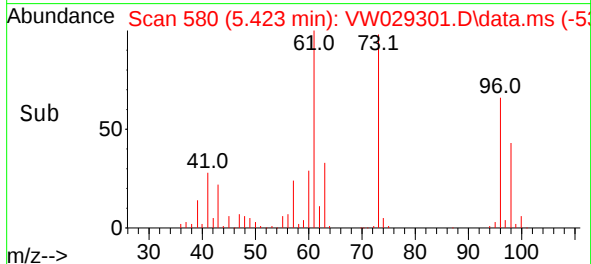
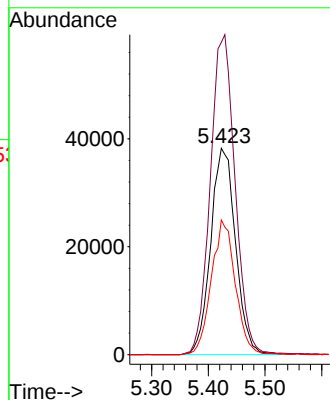
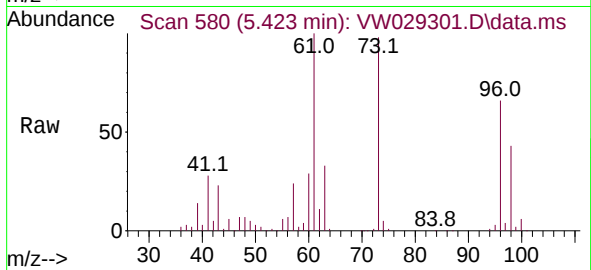
Tgt Ion: 96 Resp: 116575

Ion Ratio Lower Upper

96 100

61 151.4 101.5 188.5

98 65.3 43.3 80.3



#18

Methyl tert-butyl Ether

Concen: 23.521 ug/L

RT: 5.429 min Scan# 581

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

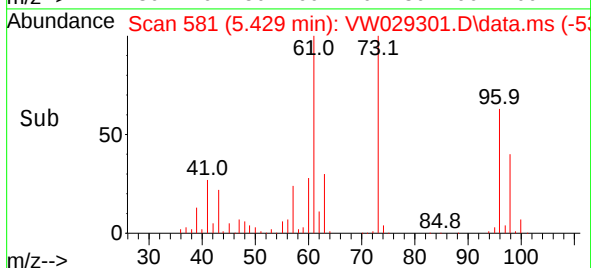
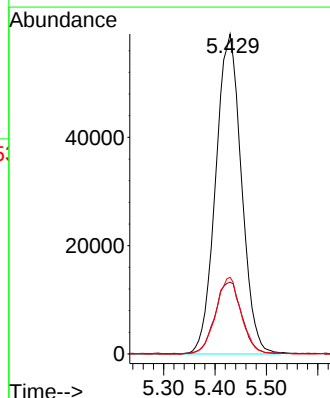
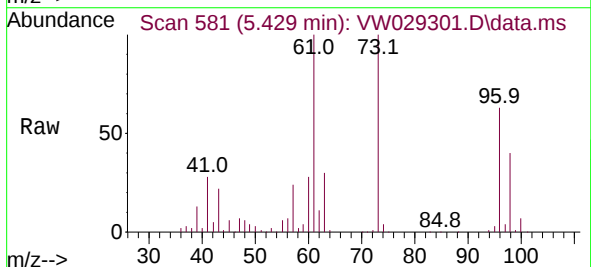
Tgt Ion: 73 Resp: 205692

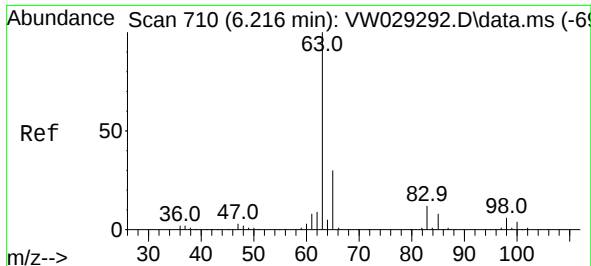
Ion Ratio Lower Upper

73 100

43 23.4 19.5 29.3

57 23.5 18.4 27.6





#19

1,1-Dichloroethane

Concen: 21.618 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

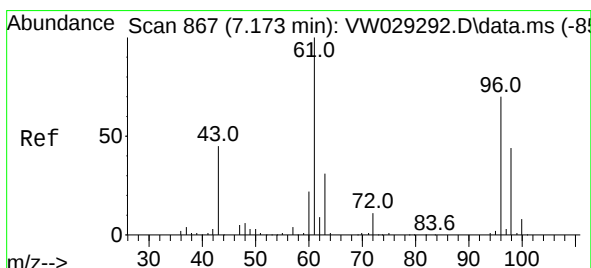
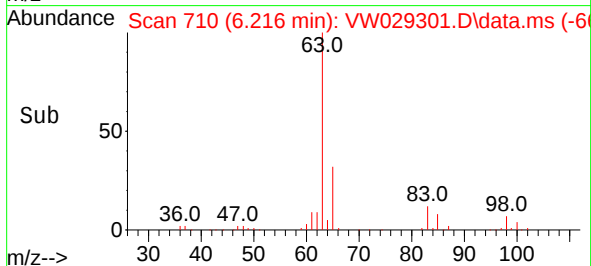
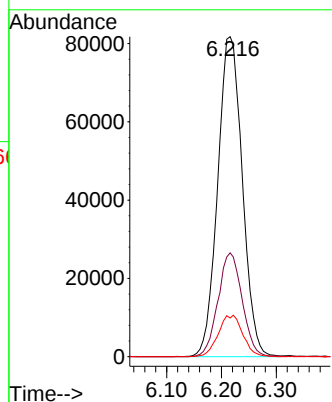
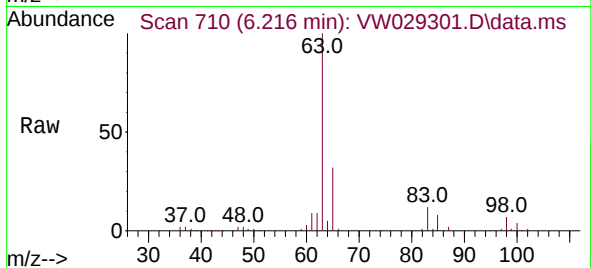
Tgt Ion: 63 Resp: 255201

Ion Ratio Lower Upper

63 100

65 32.5 23.4 43.4

83 12.1 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 21.967 ug/L

RT: 7.173 min Scan# 867

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

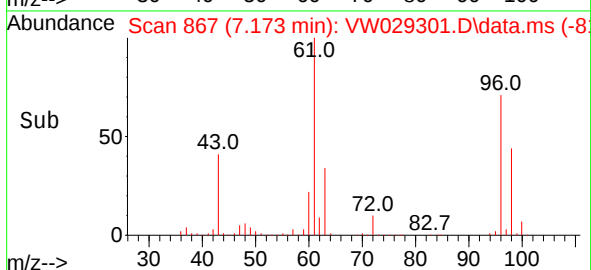
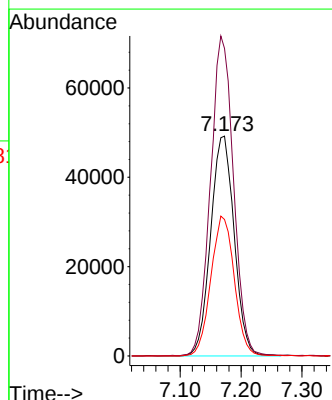
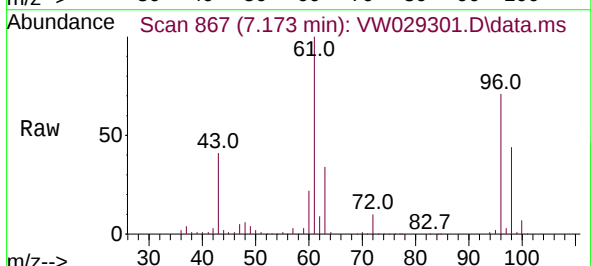
Tgt Ion: 96 Resp: 132408

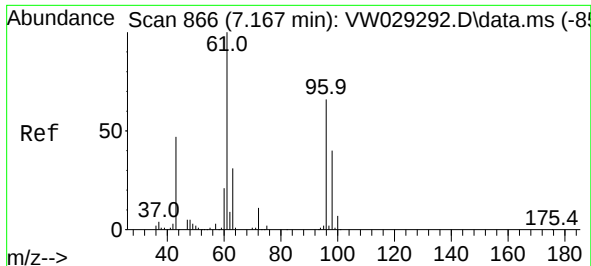
Ion Ratio Lower Upper

96 100

61 139.9 97.8 181.6

98 62.1 43.0 79.8

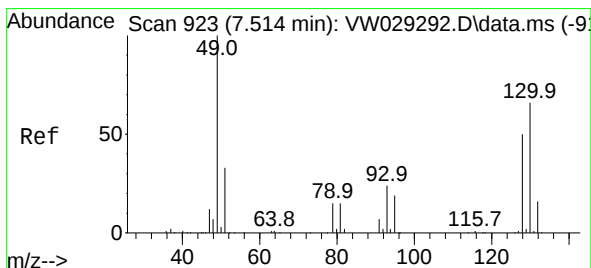
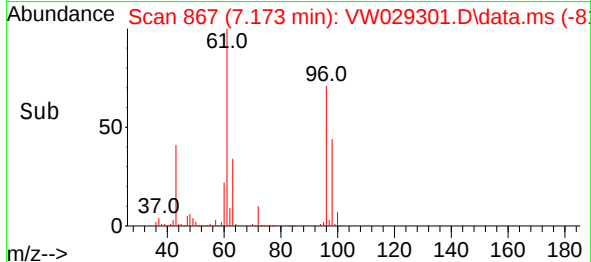
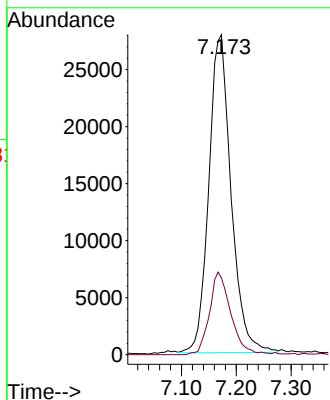
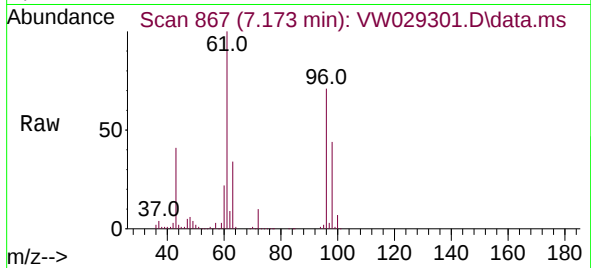




#22  
2-Butanone  
Concen: 38.420 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

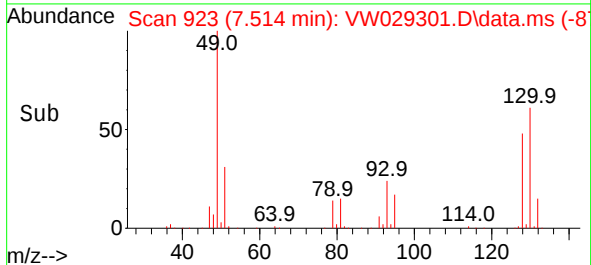
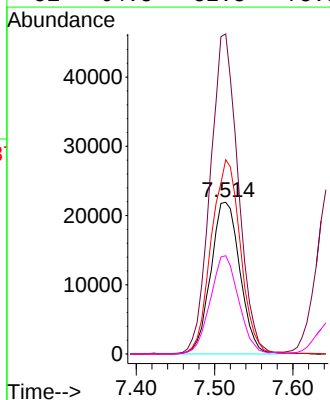
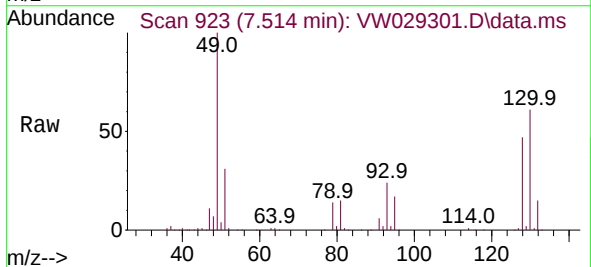
Instrument :  
MSVOA\_W  
ClientSampleId :

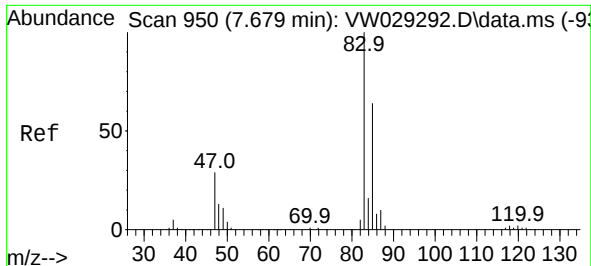
Tgt Ion: 43 Resp: 78727  
Ion Ratio Lower Upper  
43 100  
72 24.5 11.9 35.7



#23  
Bromochloromethane  
Concen: 21.096 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

Tgt Ion:128 Resp: 56604  
Ion Ratio Lower Upper  
128 100  
49 211.0 142.6 264.8  
130 128.1 79.7 148.1  
51 64.8 52.3 78.5





#25

Chloroform

Concen: 21.014 ug/L

RT: 7.673 min Scan# 949

Delta R.T. -0.006 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

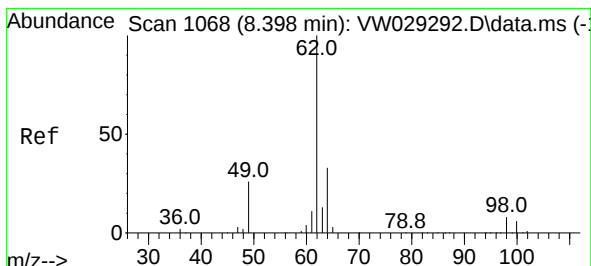
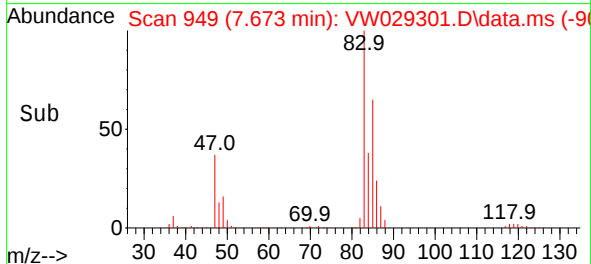
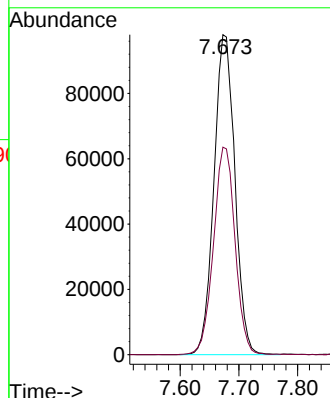
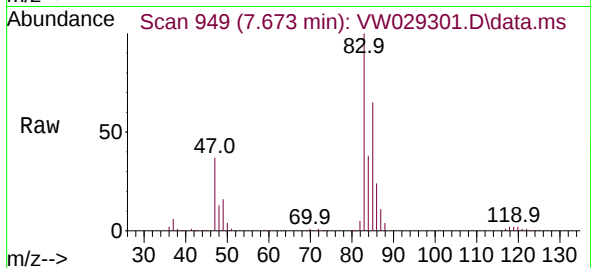
ClientSampleId :

Tgt Ion: 83 Resp: 242247

Ion Ratio Lower Upper

83 100

85 64.9 44.4 82.4



#27

1,2-Dichloroethane

Concen: 20.069 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW029301.D

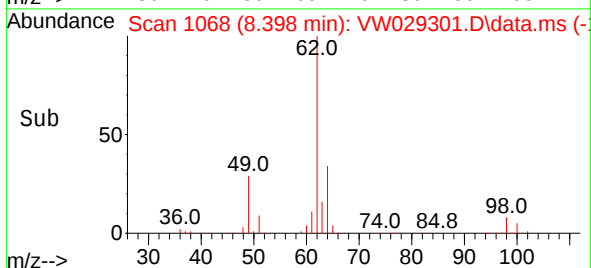
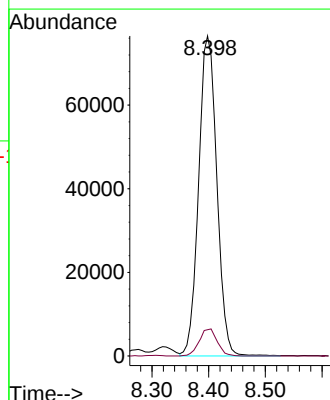
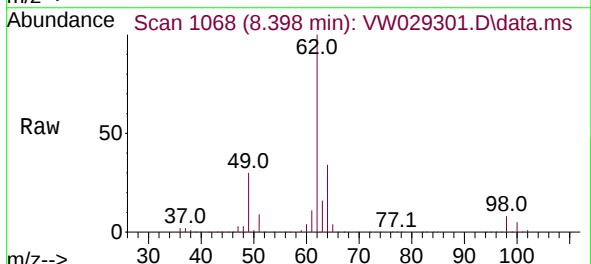
Acq: 21 Jun 2024 14:46

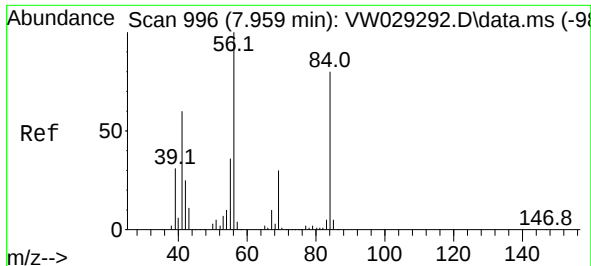
Tgt Ion: 62 Resp: 170626

Ion Ratio Lower Upper

62 100

98 8.2 6.6 10.0





#29

Cyclohexane

Concen: 20.588 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

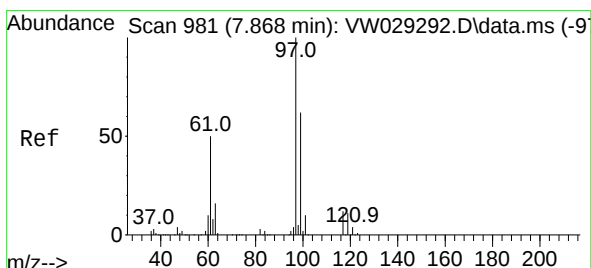
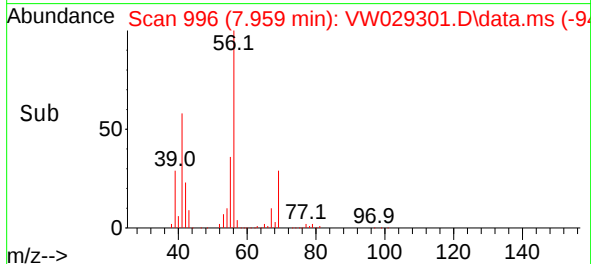
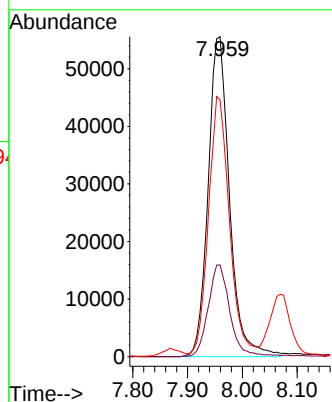
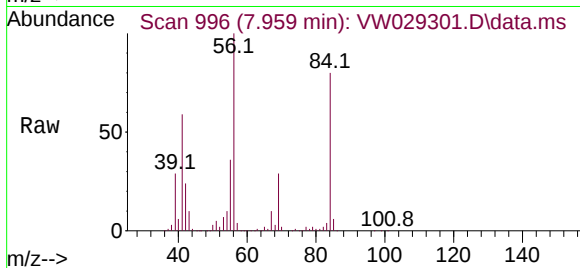
Tgt Ion: 56 Resp: 150358

Ion Ratio Lower Upper

56 100

69 28.7 23.4 35.0

84 78.9 64.5 96.7



#30

1,1,1-Trichloroethane

Concen: 25.605 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

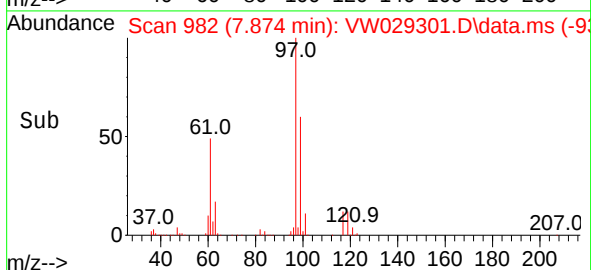
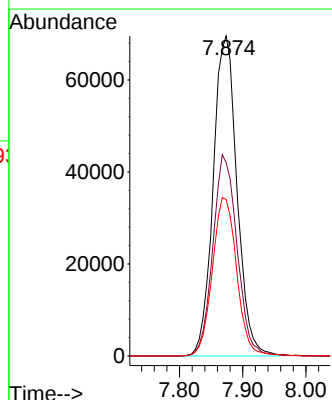
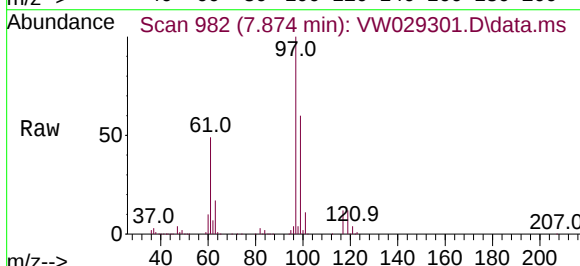
Tgt Ion: 97 Resp: 181892

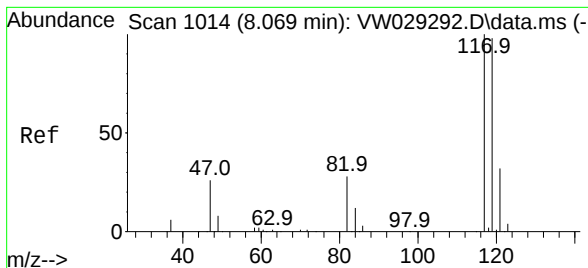
Ion Ratio Lower Upper

97 100

99 63.8 53.0 79.4

61 50.6 43.0 64.4





#31

Carbon tetrachloride

Concen: 23.586 ug/L

RT: 8.075 min Scan# 1015

Delta R.T. 0.006 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

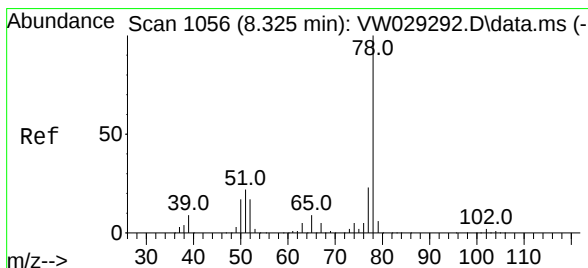
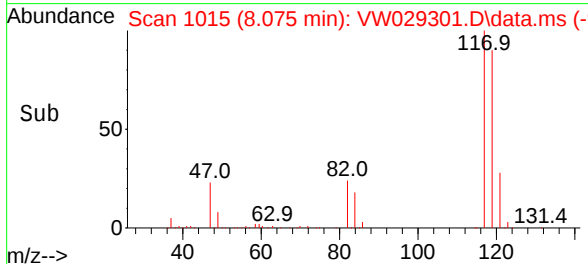
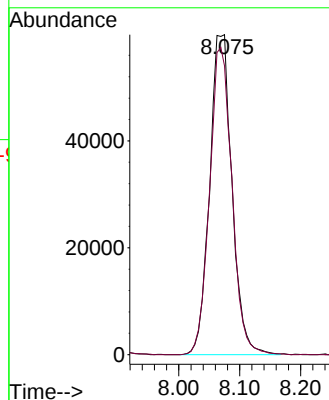
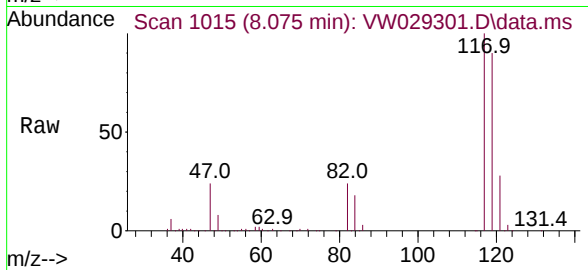
ClientSampleId :

Tgt Ion:117 Resp: 153057

Ion Ratio Lower Upper

117 100

119 95.9 79.0 118.4



#33

Benzene

Concen: 26.486 ug/L

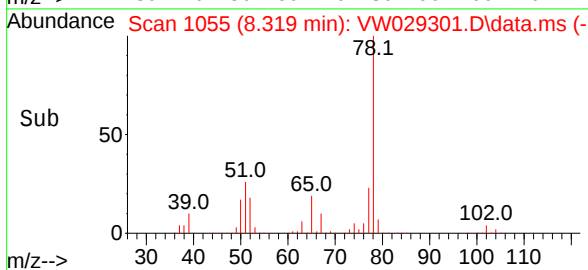
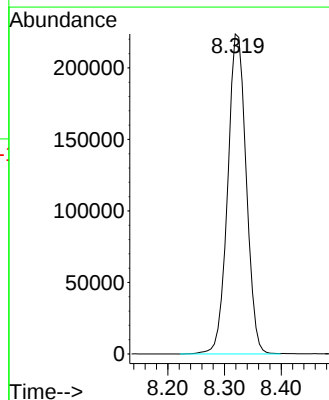
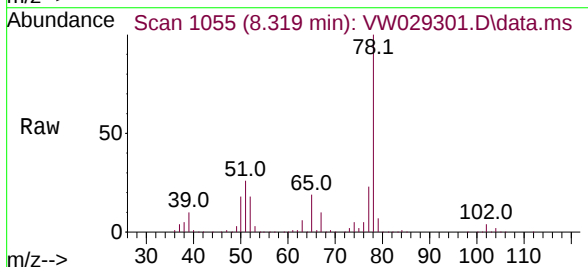
RT: 8.319 min Scan# 1055

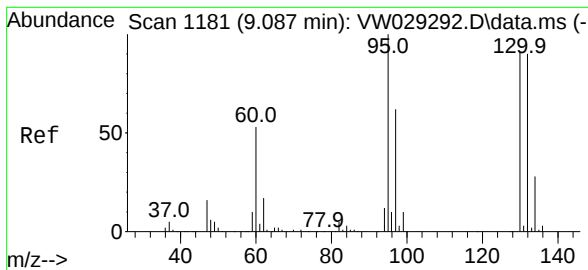
Delta R.T. -0.006 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Tgt Ion: 78 Resp: 508392





#34

Trichloroethene

Concen: 23.651 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.000 min

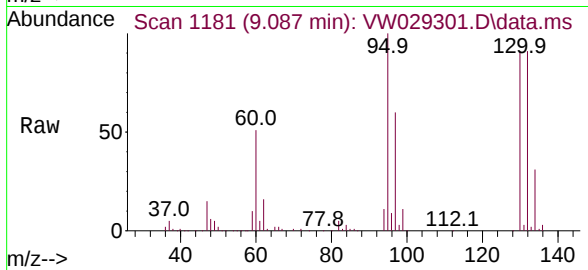
Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 121118

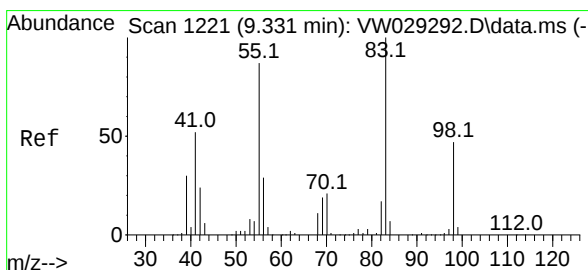
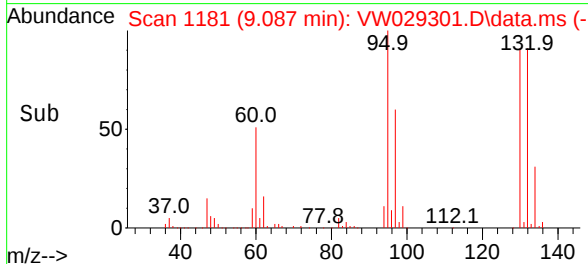
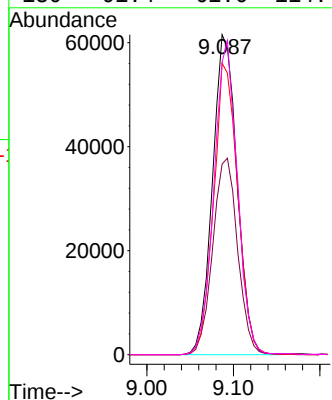
Ion Ratio Lower Upper

95 100

97 59.6 45.7 84.9

132 91.1 66.4 123.4

130 91.4 61.6 114.4



#35

Methylcyclohexane

Concen: 15.432 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

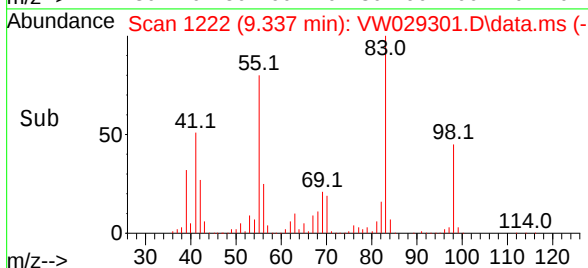
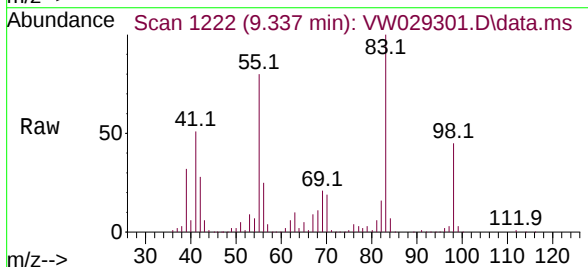
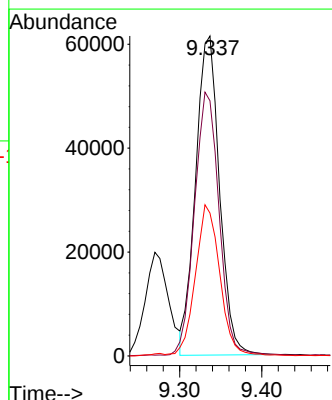
Tgt Ion: 83 Resp: 124281

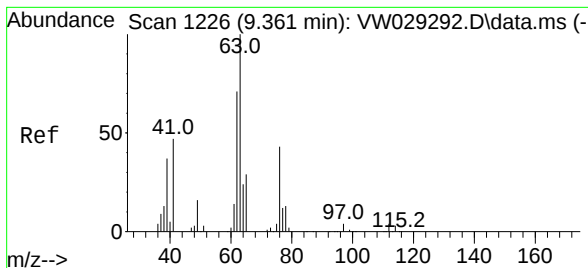
Ion Ratio Lower Upper

83 100

55 85.9 69.5 104.3

98 47.8 38.0 57.0





#37

1,2-Dichloropropane

Concen: 25.642 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

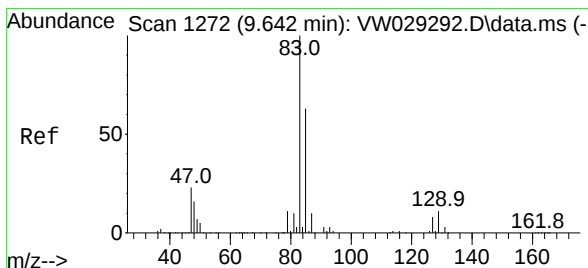
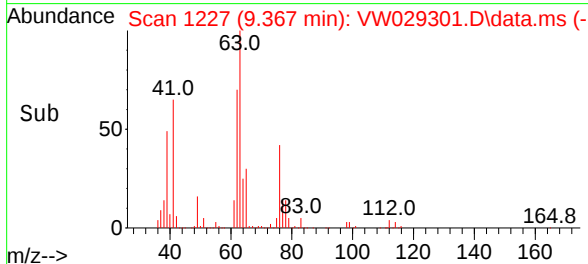
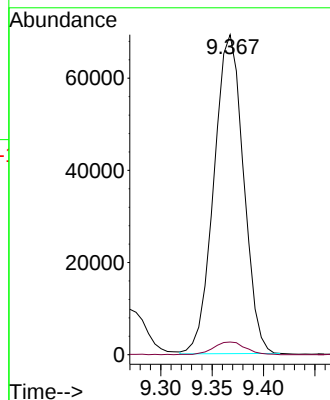
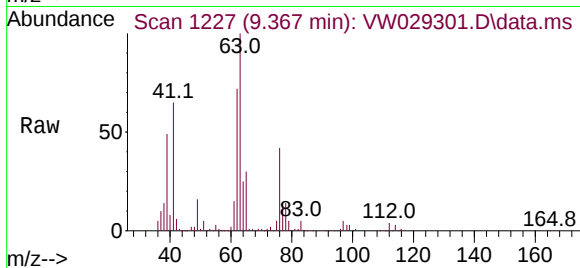
ClientSampleId :

Tgt Ion: 63 Resp: 138302

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.6



#38

Bromodichloromethane

Concen: 25.113 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

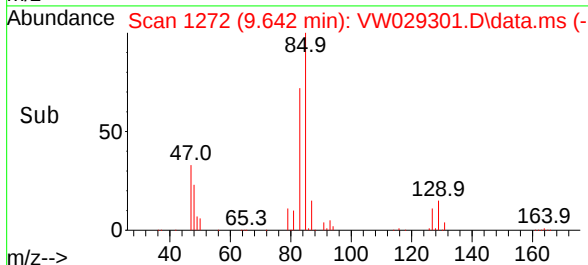
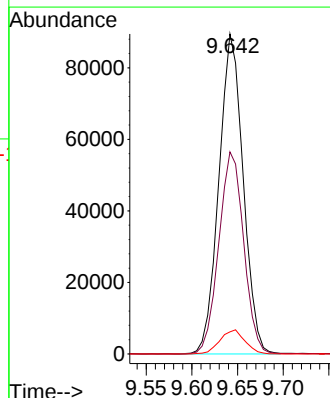
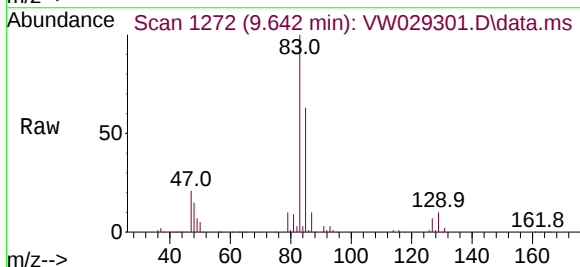
Tgt Ion: 83 Resp: 165611

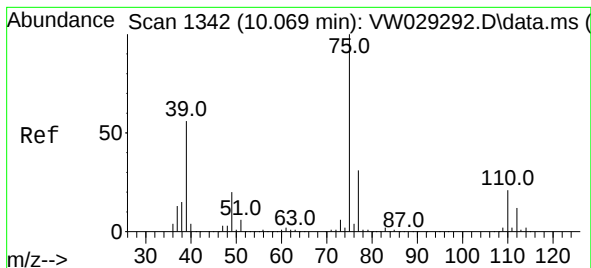
Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.9

127 6.9 5.8 8.6

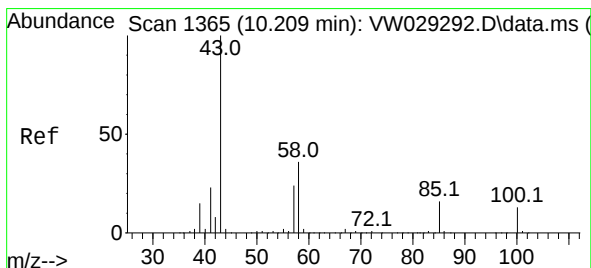
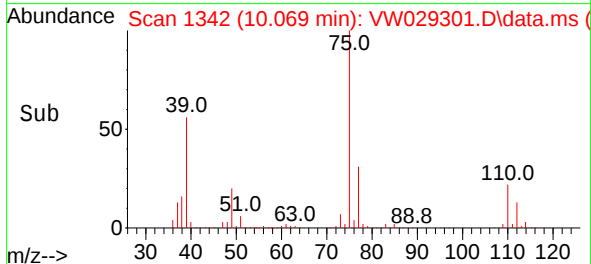
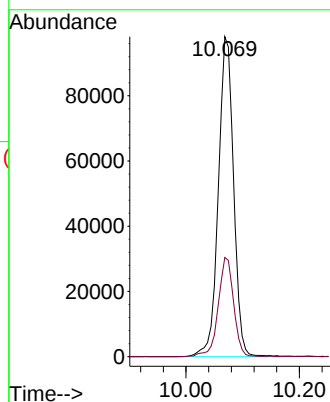
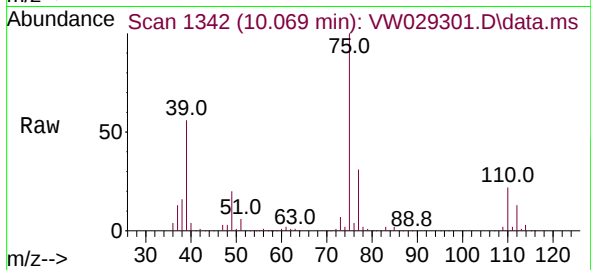




#39  
cis-1,3-Dichloropropene  
Concen: 24.060 ug/L  
RT: 10.069 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

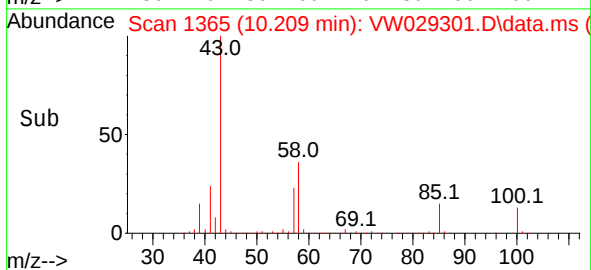
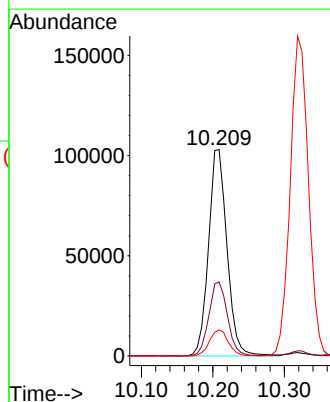
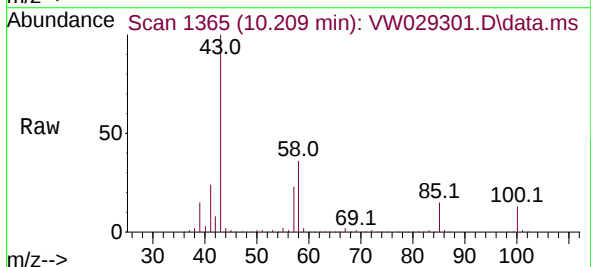
Instrument :  
MSVOA\_W  
ClientSampleId :

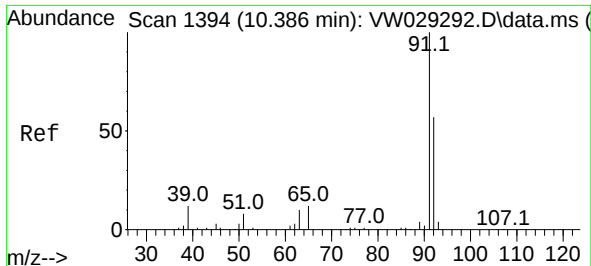
Tgt Ion: 75 Resp: 183443  
Ion Ratio Lower Upper  
75 100  
77 31.0 22.7 42.1



#40  
4-Methyl-2-pentanone  
Concen: 55.419 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

Tgt Ion: 43 Resp: 185265  
Ion Ratio Lower Upper  
43 100  
58 36.1 28.2 42.4  
100 13.0 11.0 16.4





#42

Toluene

Concen: 24.084 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

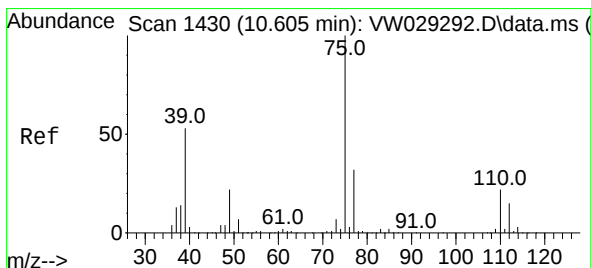
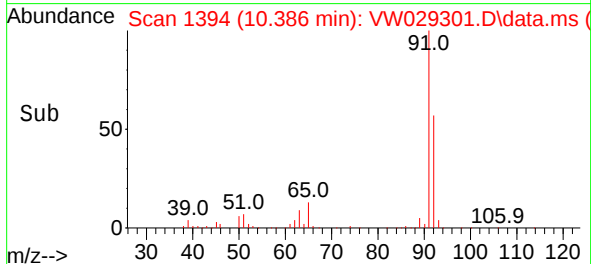
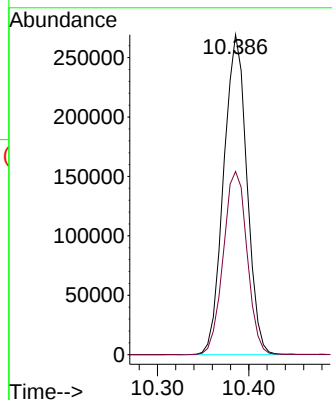
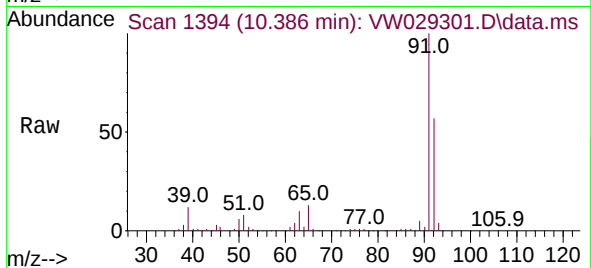
ClientSampleId :

Tgt Ion: 91 Resp: 475243

Ion Ratio Lower Upper

91 100

92 57.2 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 23.627 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW029301.D

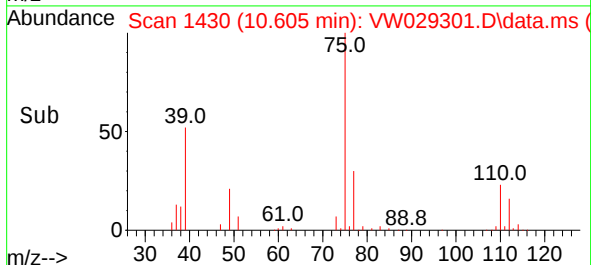
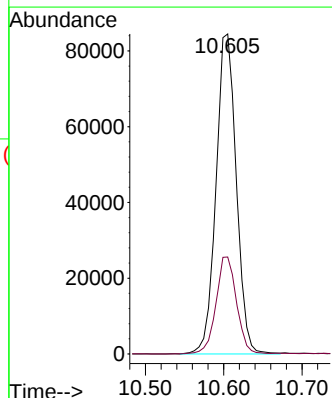
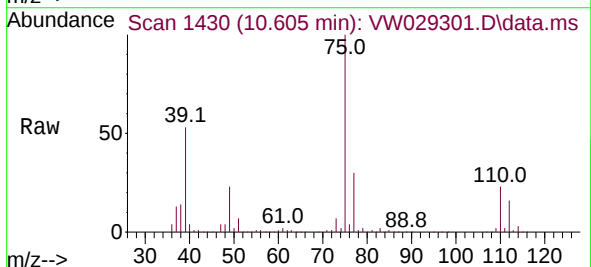
Acq: 21 Jun 2024 14:46

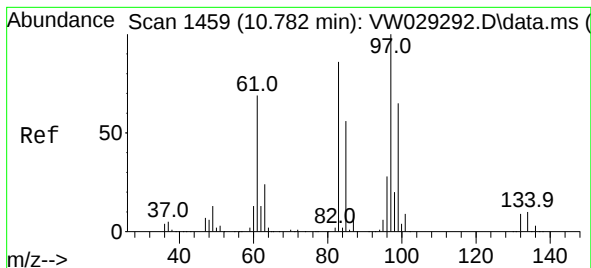
Tgt Ion: 75 Resp: 152102

Ion Ratio Lower Upper

75 100

77 30.3 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 24.531 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 92148

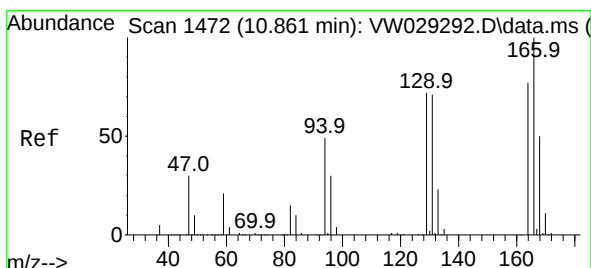
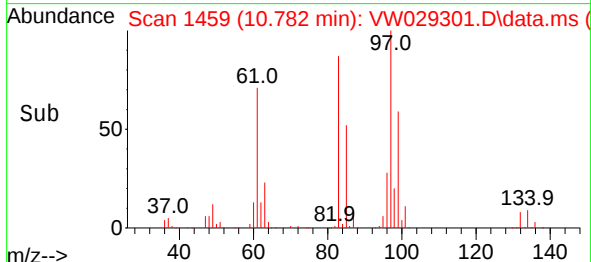
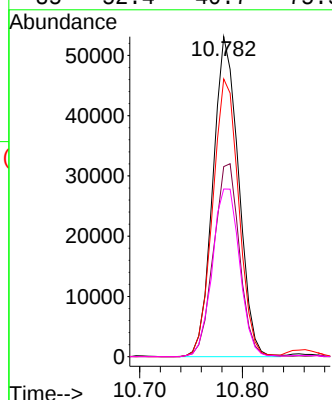
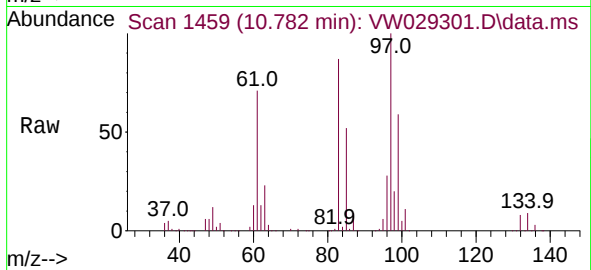
Ion Ratio Lower Upper

97 100

99 59.4 42.3 78.5

83 86.8 57.7 107.1

85 52.4 40.7 75.5



#46

Tetrachloroethene

Concen: 19.727 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Tgt Ion:164 Resp: 70620

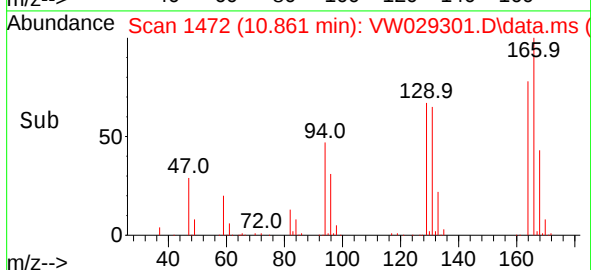
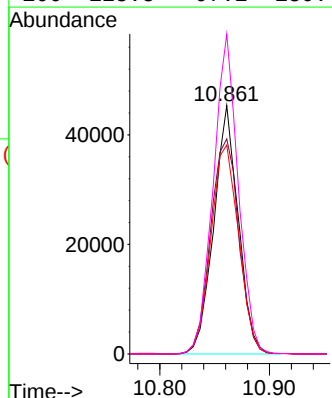
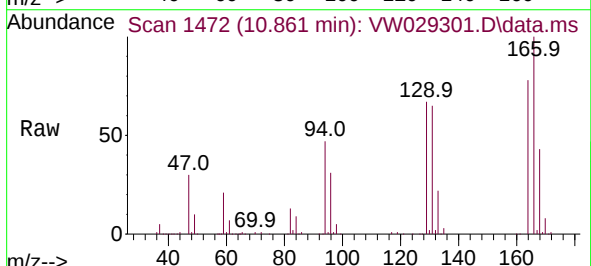
Ion Ratio Lower Upper

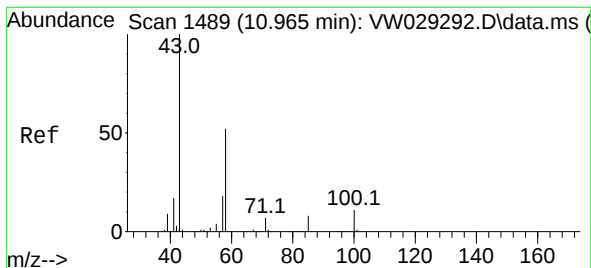
164 100

129 86.5 68.5 127.3

131 84.1 71.8 133.4

166 128.8 97.2 180.4





#48

2-Hexanone

Concen: 52.193 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

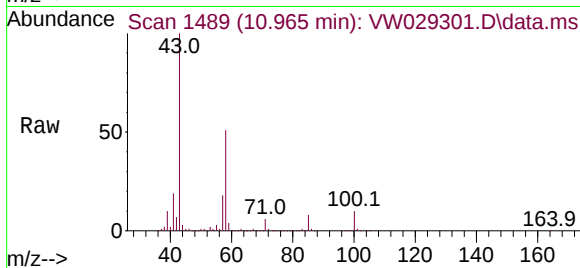
Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 43 Resp: 123806

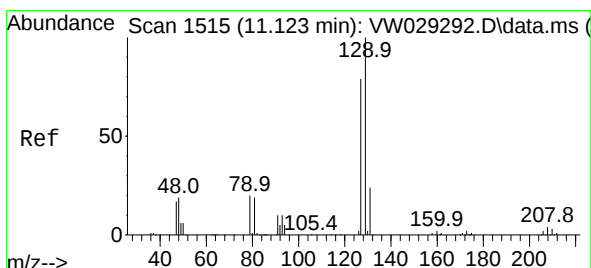
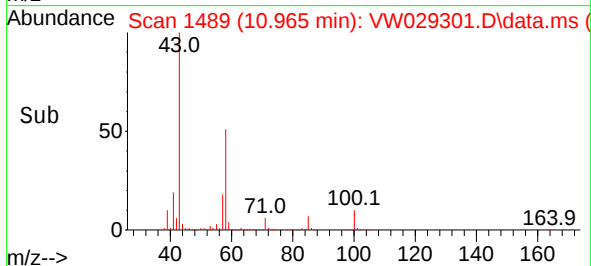
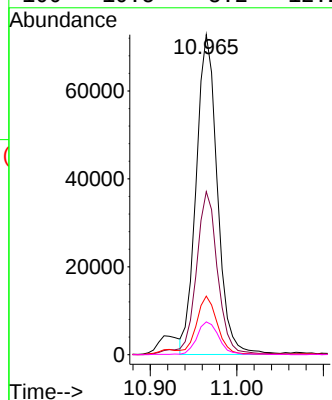
Ion Ratio Lower Upper

43 100

58 49.6 39.6 59.4

57 18.0 14.6 21.8

100 10.5 8.2 12.2



#49

Dibromochloromethane

Concen: 23.385 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW029301.D

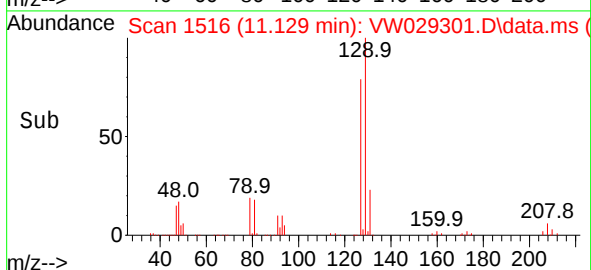
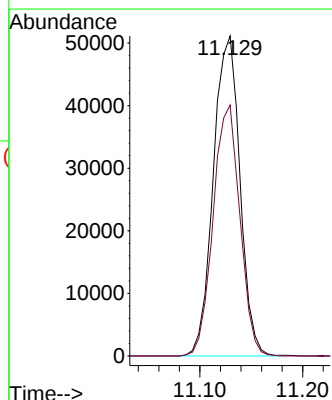
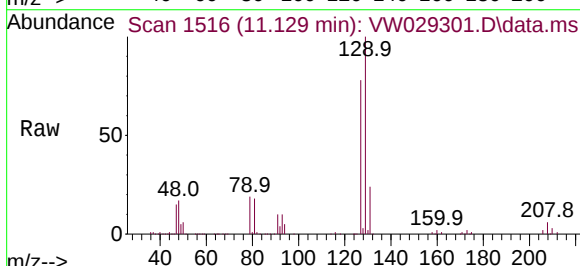
Acq: 21 Jun 2024 14:46

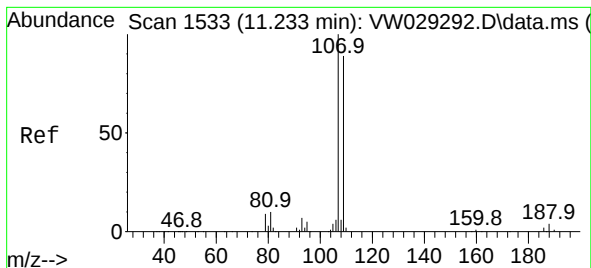
Tgt Ion:129 Resp: 91827

Ion Ratio Lower Upper

129 100

127 78.4 54.8 101.8





#50

1,2-Dibromoethane

Concen: 23.883 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

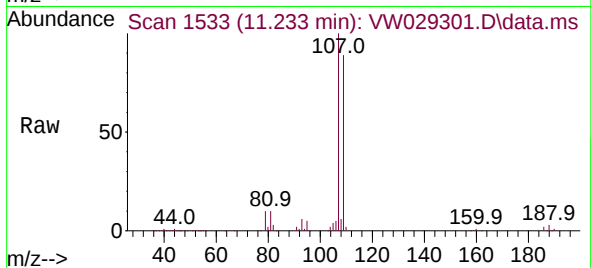
Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :



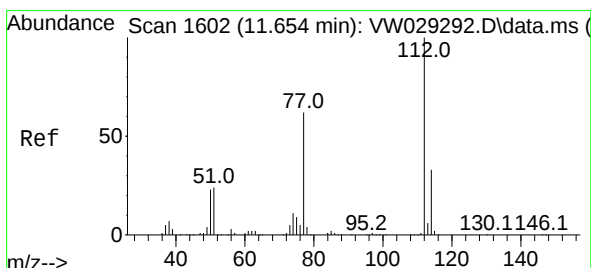
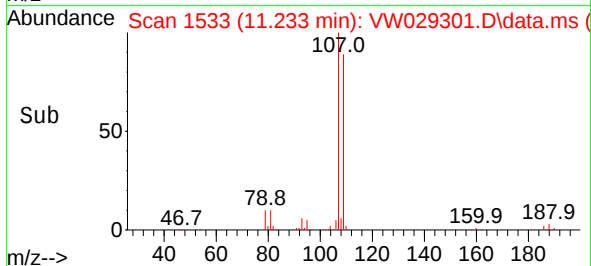
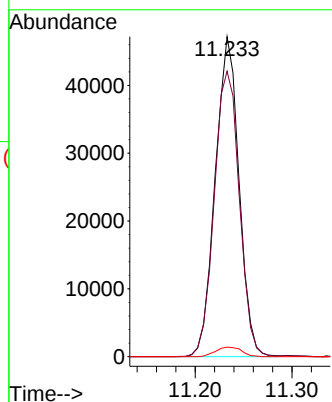
Tgt Ion:107 Resp: 80533

Ion Ratio Lower Upper

107 100

109 89.2 65.5 121.6

188 3.0 2.6 4.0



#51

Chlorobenzene

Concen: 21.344 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

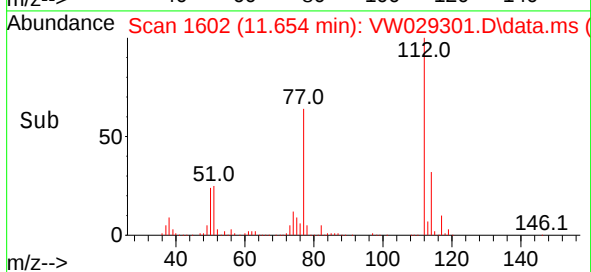
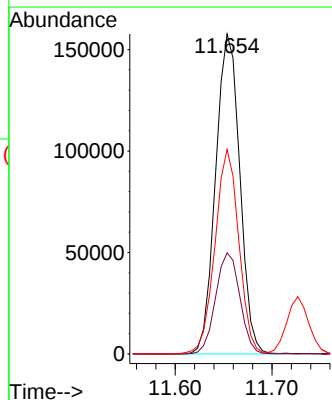
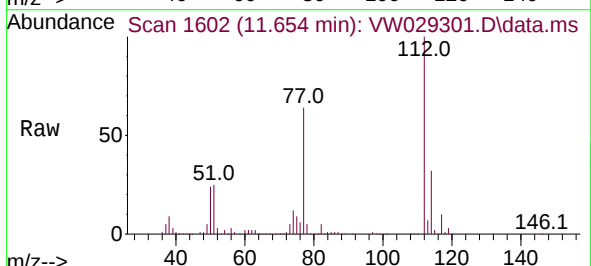
Tgt Ion:112 Resp: 273501

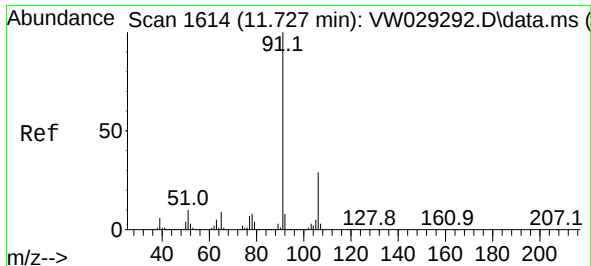
Ion Ratio Lower Upper

112 100

114 31.6 22.6 42.0

77 63.9 51.0 76.6





#52

Ethylbenzene

Concen: 21.494 ug/L

RT: 11.727 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

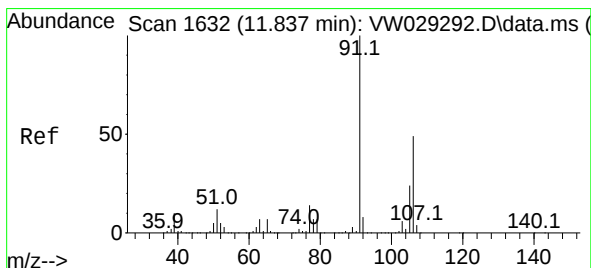
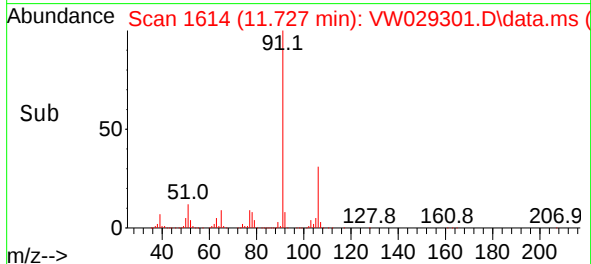
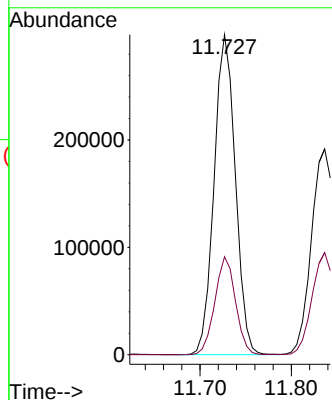
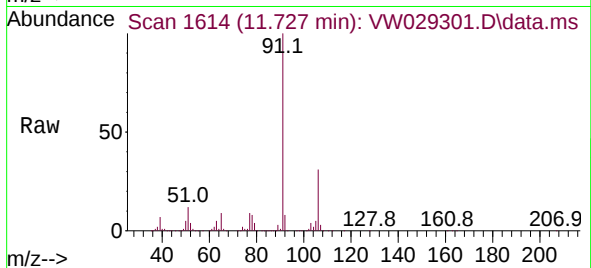
ClientSampleId :

Tgt Ion: 91 Resp: 481450

Ion Ratio Lower Upper

91 100

106 30.6 19.9 37.0



#53

m,p-Xylene

Concen: 21.117 ug/L

RT: 11.836 min Scan# 1632

Delta R.T. -0.000 min

Lab File: VW029301.D

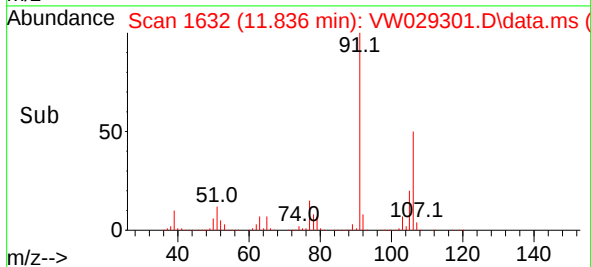
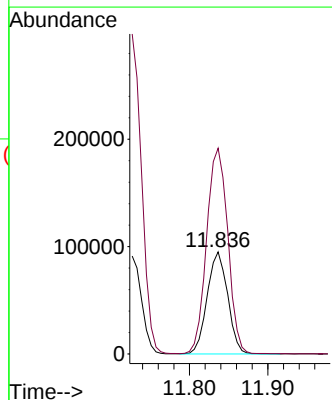
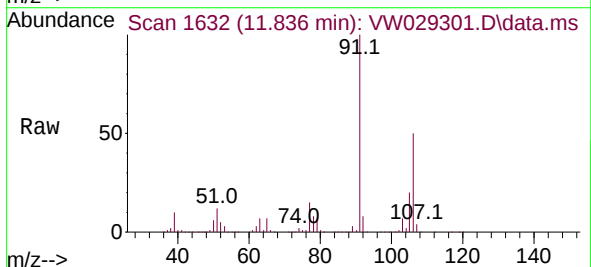
Acq: 21 Jun 2024 14:46

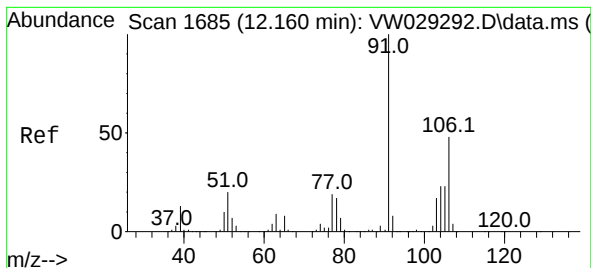
Tgt Ion:106 Resp: 172774

Ion Ratio Lower Upper

106 100

91 201.7 140.5 260.9





#54

o-Xylene

Concen: 21.758 ug/L

RT: 12.160 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

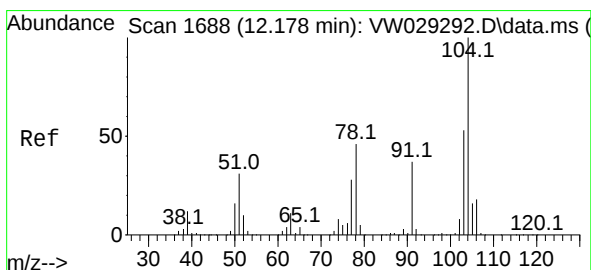
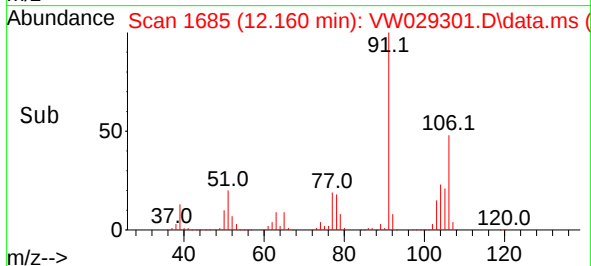
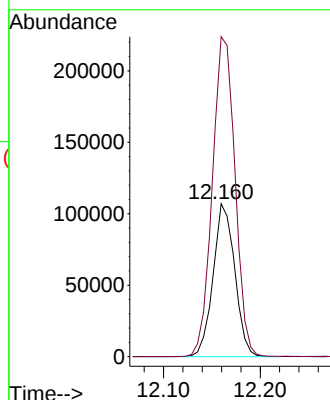
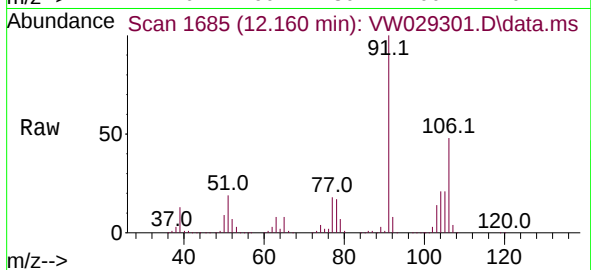
ClientSampleId :

Tgt Ion:106 Resp: 166376

Ion Ratio Lower Upper

106 100

91 209.2 149.9 278.5



#55

Styrene

Concen: 20.891 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW029301.D

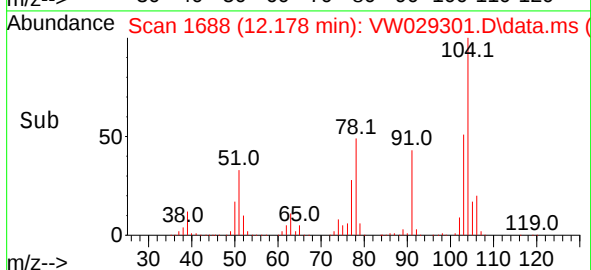
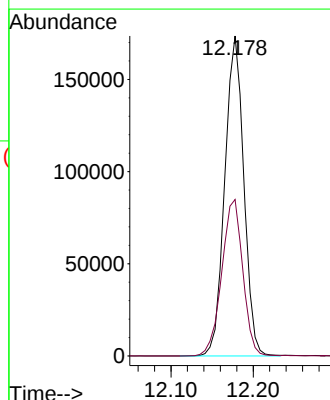
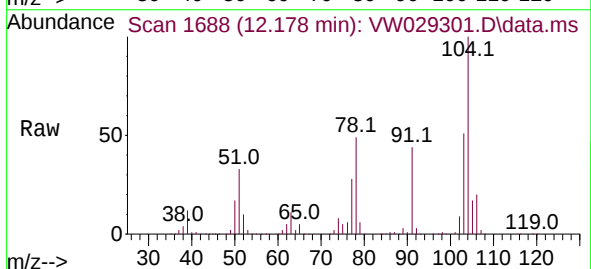
Acq: 21 Jun 2024 14:46

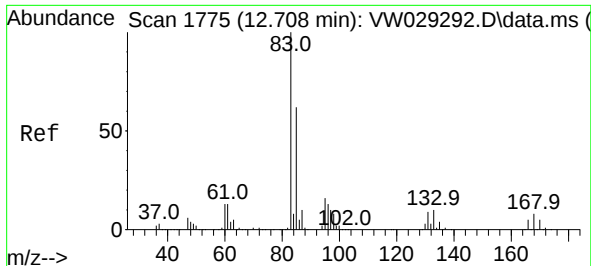
Tgt Ion:104 Resp: 278524

Ion Ratio Lower Upper

104 100

78 48.9 35.4 65.7

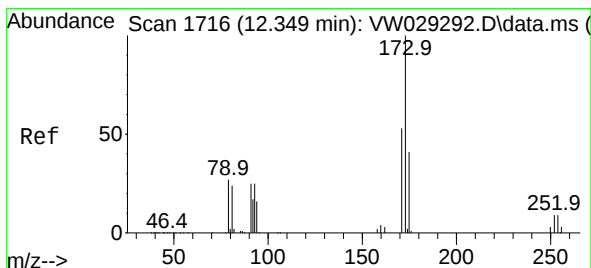
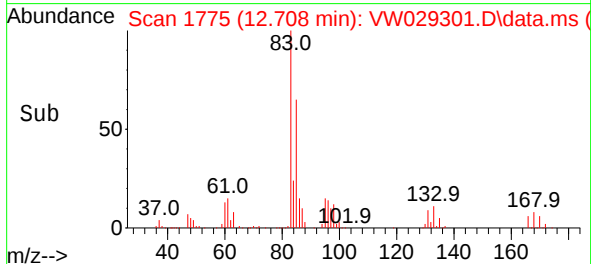
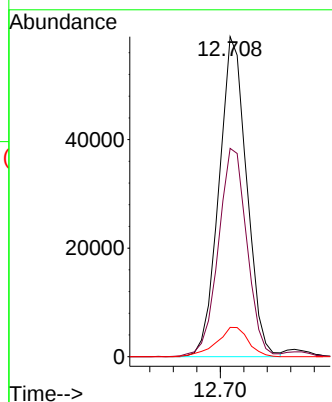
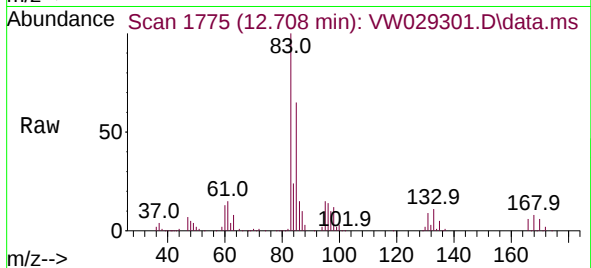




#57  
1,1,2,2-Tetrachloroethane  
Concen: 20.789 ug/L  
RT: 12.708 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

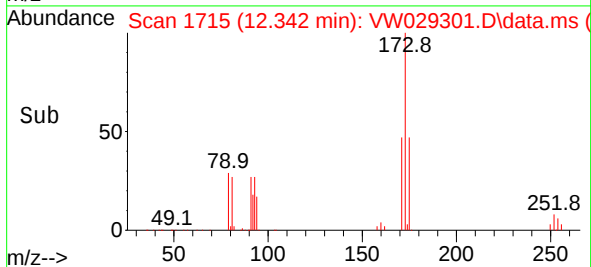
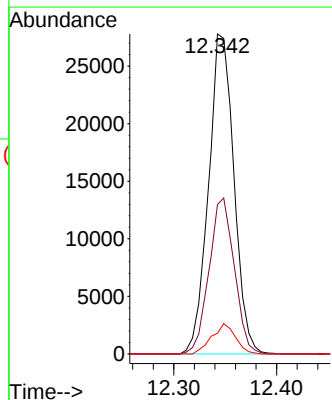
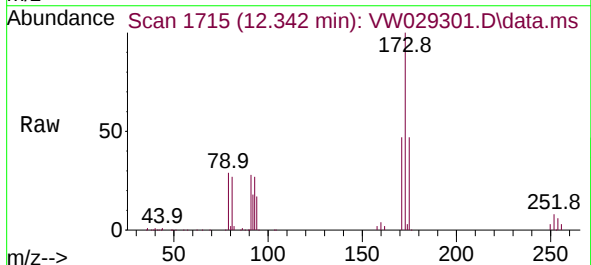
Instrument :  
MSVOA\_W  
ClientSampleId :

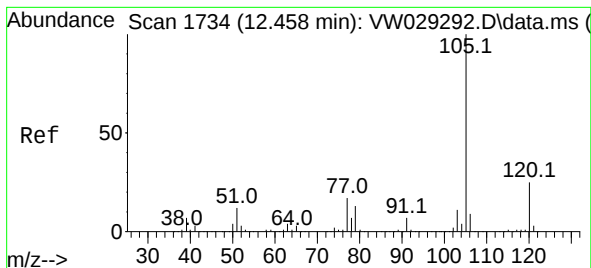
Tgt Ion: 83 Resp: 96597  
Ion Ratio Lower Upper  
83 100  
85 65.1 45.8 85.0  
131 9.2 7.8 11.6



#59  
Bromoform  
Concen: 31.550 ug/L  
RT: 12.342 min Scan# 1715  
Delta R.T. -0.006 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

Tgt Ion:173 Resp: 47747  
Ion Ratio Lower Upper  
173 100  
175 48.3 37.8 56.8  
254 8.8 7.8 11.6





#60

Isopropylbenzene

Concen: 27.572 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

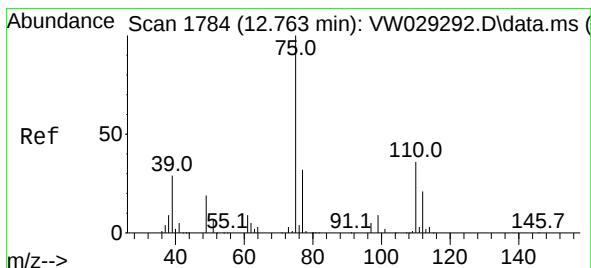
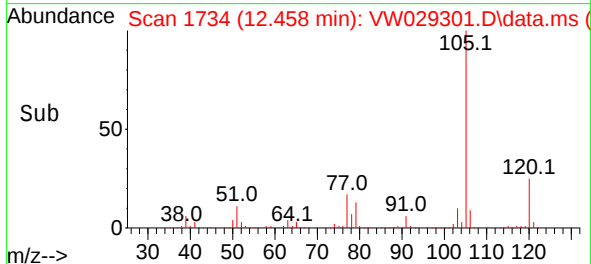
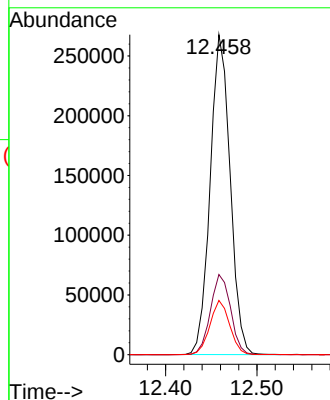
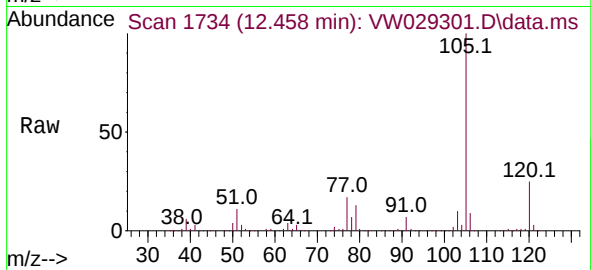
Tgt Ion:105 Resp: 405662

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

77 16.8 13.6 20.4



#61

1,2,3-Trichloropropane

Concen: 31.858 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

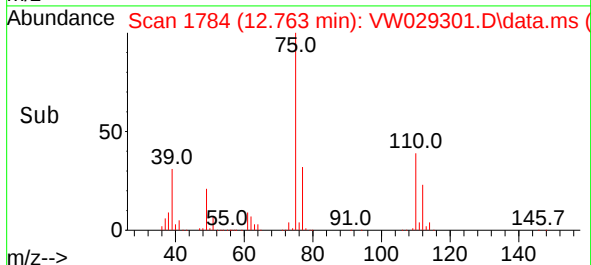
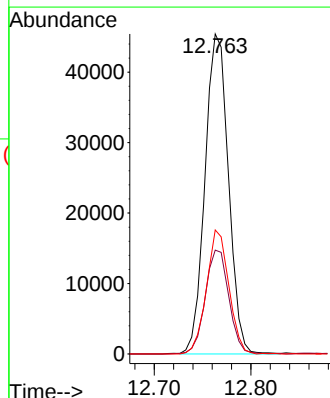
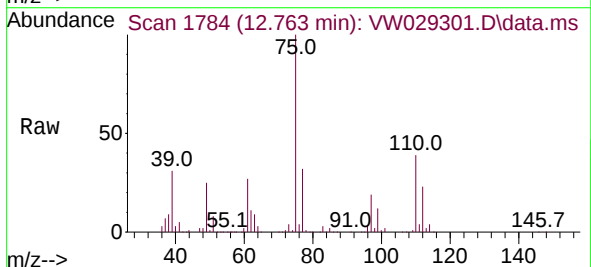
Tgt Ion: 75 Resp: 76728

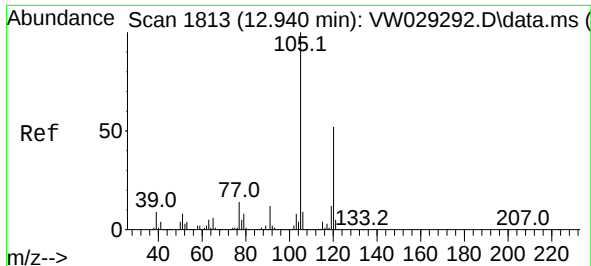
Ion Ratio Lower Upper

75 100

77 32.7 26.6 39.8

110 36.8 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 25.382 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

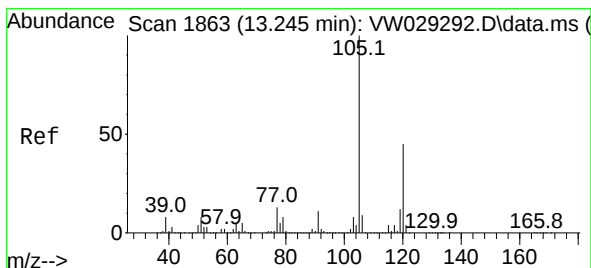
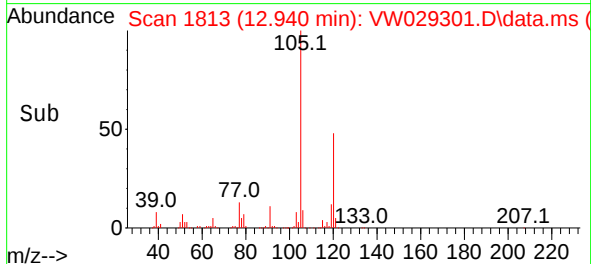
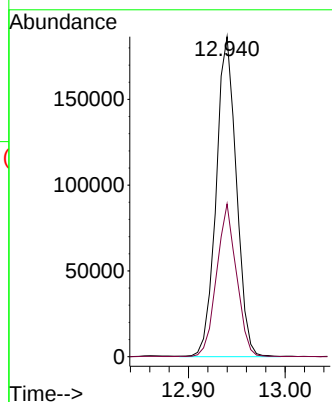
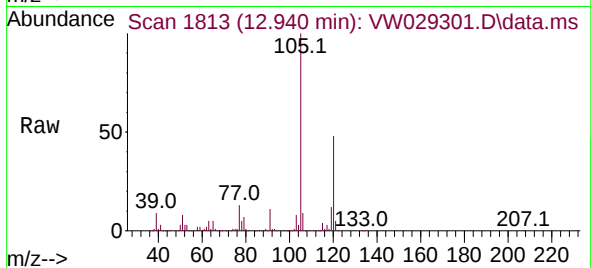
ClientSampleId :

Tgt Ion:105 Resp: 270458

Ion Ratio Lower Upper

105 100

120 46.9 36.4 54.6



#63

1,2,4-Trimethylbenzene

Concen: 25.265 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW029301.D

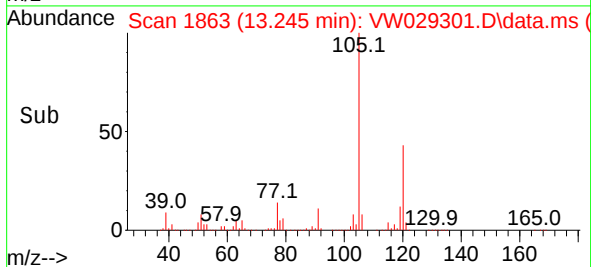
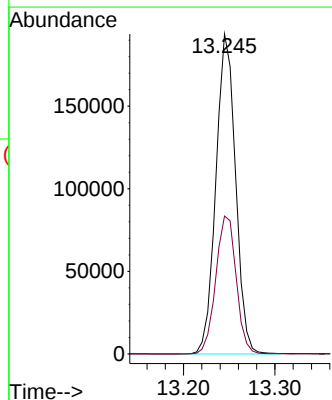
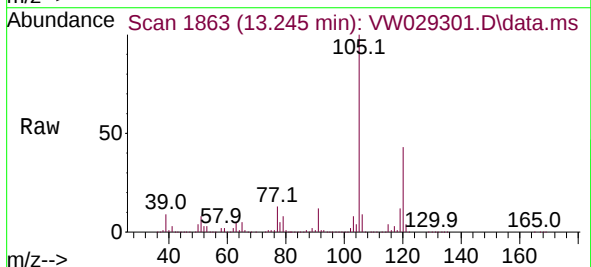
Acq: 21 Jun 2024 14:46

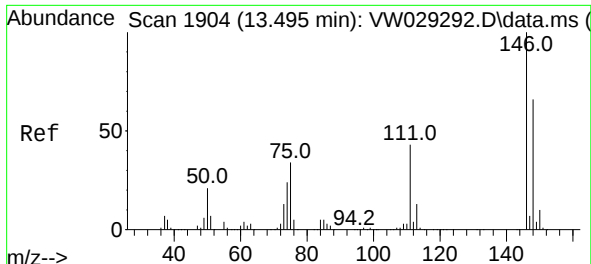
Tgt Ion:105 Resp: 289655

Ion Ratio Lower Upper

105 100

120 44.7 34.9 52.3

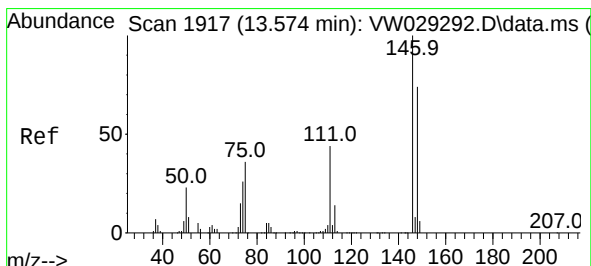
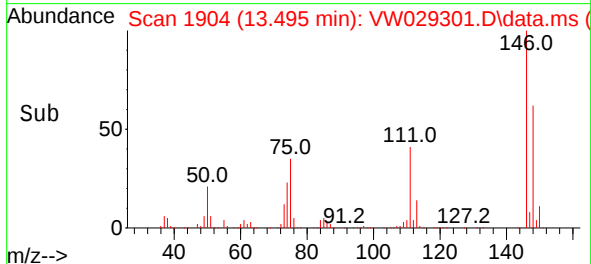
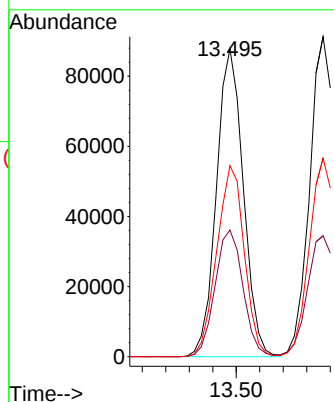
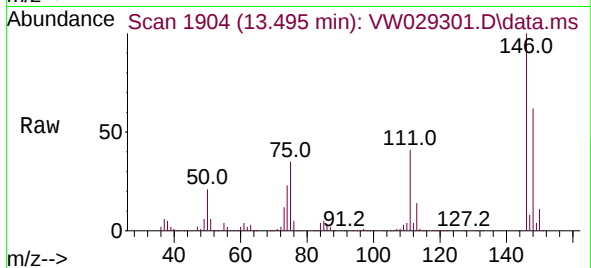




#64  
1,3-Dichlorobenzene  
Concen: 21.902 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

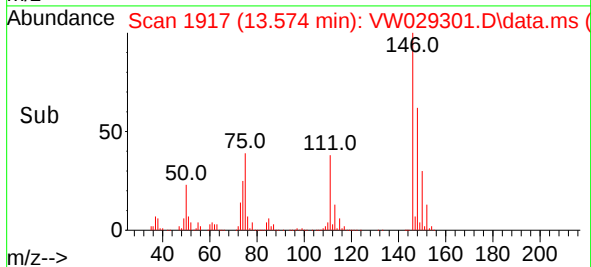
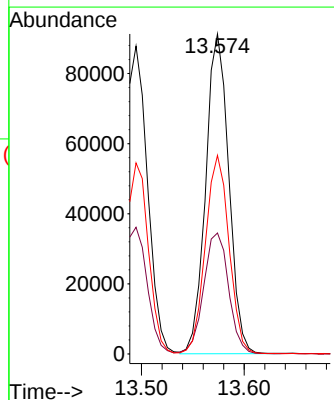
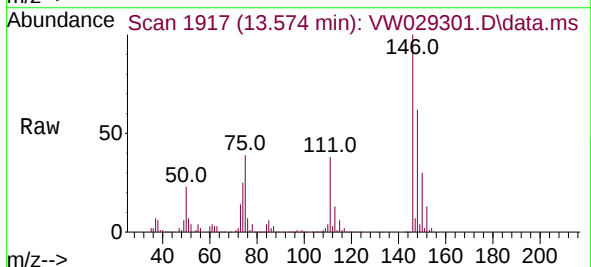
Instrument :  
MSVOA\_W  
ClientSampleId :

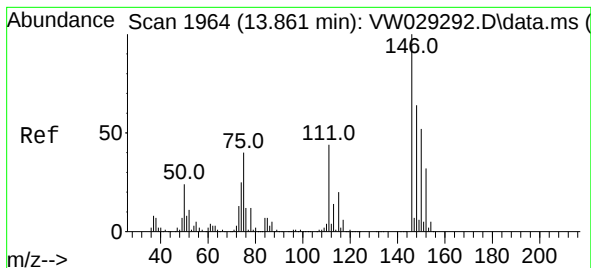
Tgt Ion:146 Resp: 139454  
Ion Ratio Lower Upper  
146 100  
111 41.2 33.0 61.2  
148 62.1 47.5 88.1



#65  
1,4-Dichlorobenzene  
Concen: 21.070 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW029301.D  
Acq: 21 Jun 2024 14:46

Tgt Ion:146 Resp: 142733  
Ion Ratio Lower Upper  
146 100  
111 37.8 28.9 53.7  
148 62.0 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 21.022 ug/L

RT: 13.867 min Scan# 1964

Delta R.T. 0.006 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

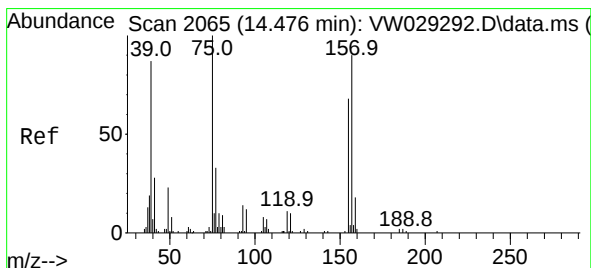
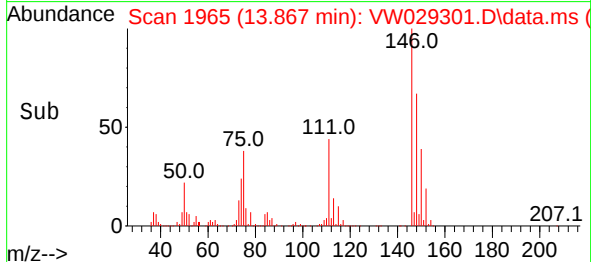
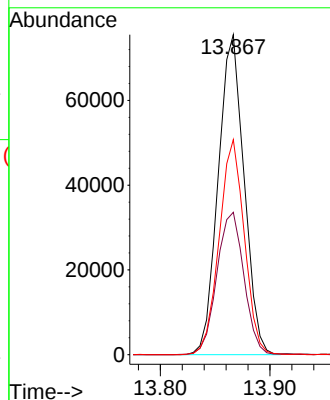
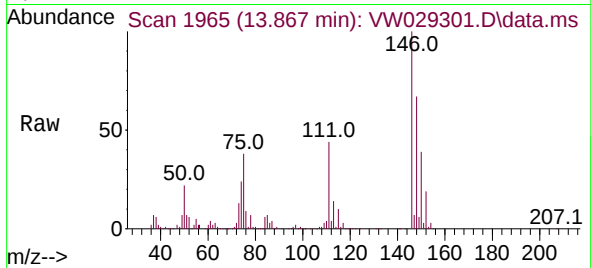
Tgt Ion:146 Resp: 123740

Ion Ratio Lower Upper

146 100

111 44.5 34.2 51.4

148 67.2 46.3 69.5



#68

1,2-Dibromo-3-chloropropane

Concen: 25.301 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

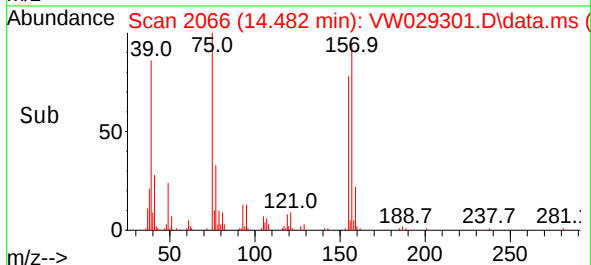
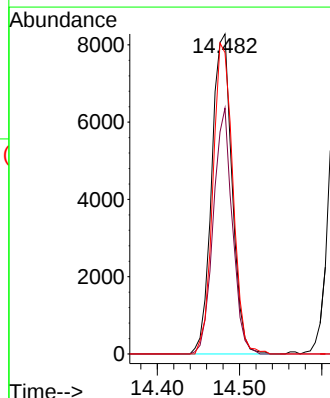
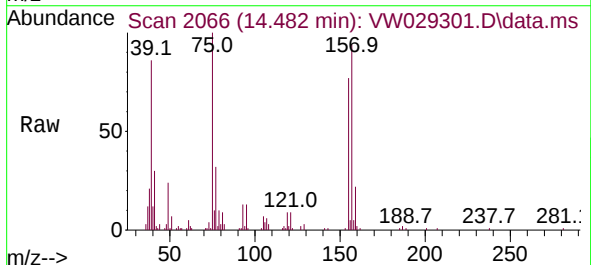
Tgt Ion: 75 Resp: 14220

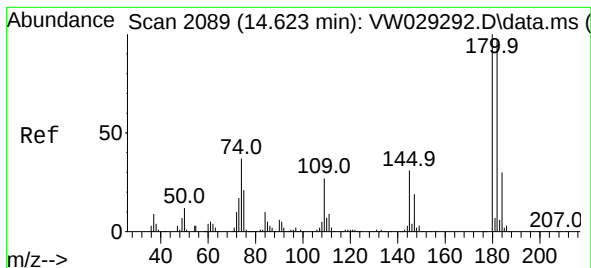
Ion Ratio Lower Upper

75 100

155 76.8 51.0 76.6#

157 94.1 58.8 88.2#





#69

1,3,5-Trichlorobenzene

Concen: 13.523 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

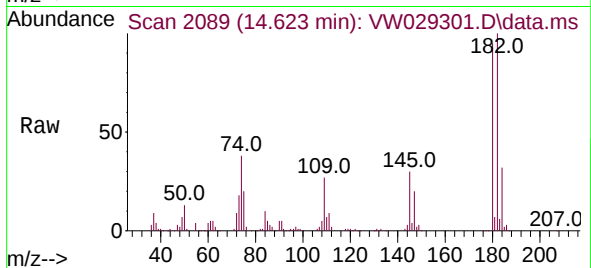
Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:180 Resp: 58109

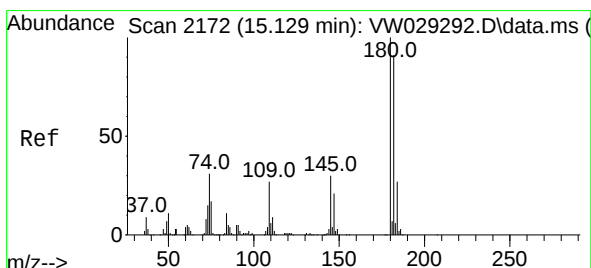
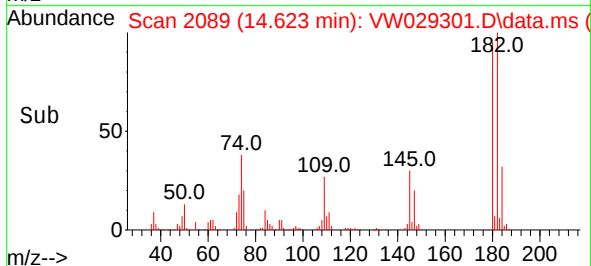
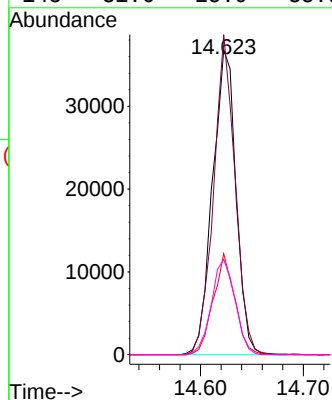
Ion Ratio Lower Upper

180 100

182 96.5 72.9 109.3

184 30.7 23.8 35.6

145 31.6 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 12.115 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

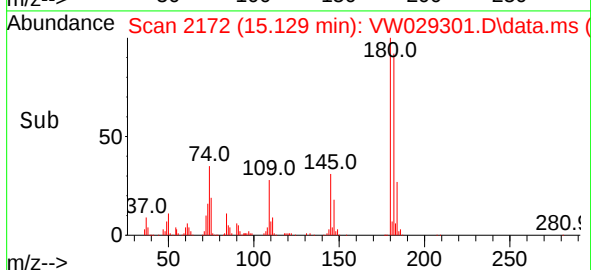
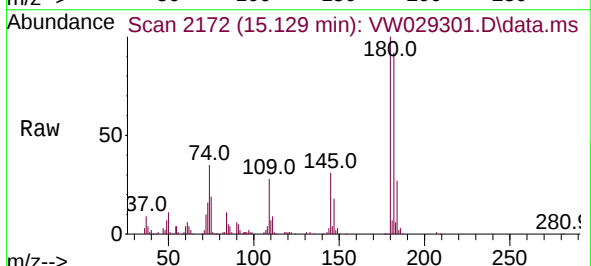
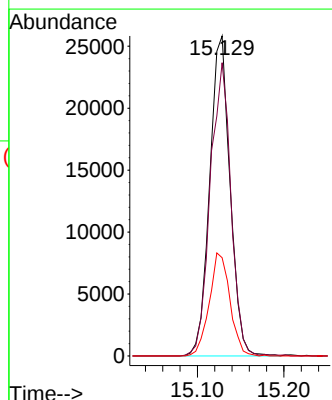
Tgt Ion:180 Resp: 42200

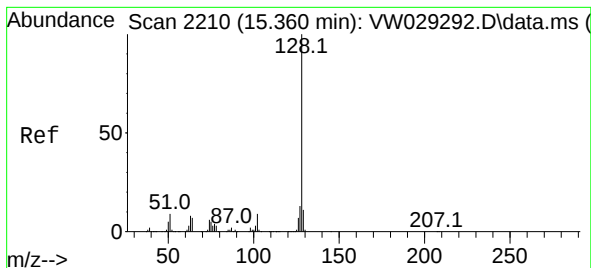
Ion Ratio Lower Upper

180 100

182 92.8 77.7 116.5

145 32.6 25.7 38.5





#71

Naphthalene

Concen: 15.727 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

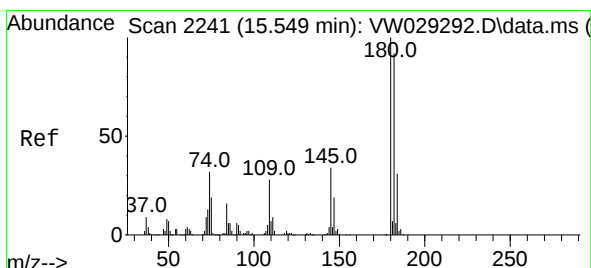
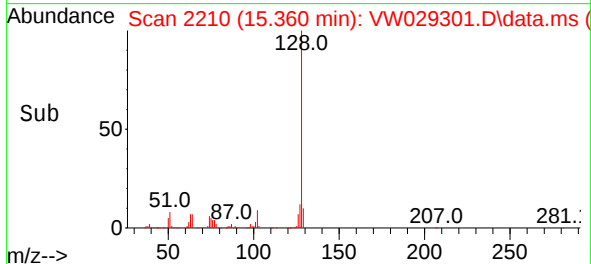
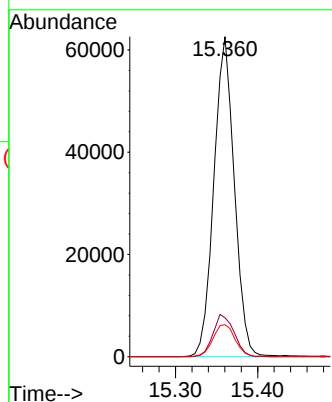
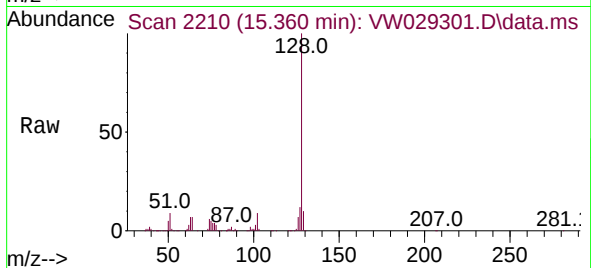
Tgt Ion:128 Resp: 108124

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.9 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 11.038 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW029301.D

Acq: 21 Jun 2024 14:46

Tgt Ion:180 Resp: 35034

Ion Ratio Lower Upper

180 100

182 91.1 73.0 109.6

145 33.5 28.1 42.1

