

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW040324\  
 Data File : VW028292.D  
 Acq On : 03 Apr 2024 14:46  
 Operator : SY/MD  
 Sample : P1965-05MS  
 Misc : 4.70g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E07D6MS

Quant Time: Apr 04 03:03:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Apr 04 03:01:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 272757   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 238714   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 99739    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 60510    | 18.960   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.840%   |
| 7) Chloroethane-d5            | 2.905  | 69    | 52529    | 23.559   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.240%   |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 38513    | 19.030   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 76.120%   |
| 21) 2-Butanone-d5             | 7.075  | 46    | 59284    | 62.983   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 125.960%  |
| 24) Chloroform-d              | 7.654  | 84    | 204771   | 25.460   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.840%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 109717   | 24.754   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.000%   |
| 32) Benzene-d6                | 8.276  | 84    | 373340   | 25.616   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 102.480%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 118782   | 28.321   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 113.280%  |
| 41) Toluene-d8                | 10.325 | 98    | 318713   | 23.708   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.840%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 47016    | 24.681   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.720%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 47714    | 68.824   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 137.640%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 92684    | 29.915   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 119.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 90227    | 24.833   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.320%   |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 77629    | 19.619   | ug/L # | 87        |
| 3) Chloromethane              | 2.229  | 50    | 69148    | 24.640   | ug/L   | 99        |
| 5) Vinyl chloride             | 2.375  | 62    | 85551    | 26.969   | ug/L   | 96        |
| 6) Bromomethane               | 2.796  | 94    | 48935    | 25.902   | ug/L   | 95        |
| 8) Chloroethane               | 2.942  | 64    | 48998    | 28.737   | ug/L   | 96        |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 100348   | 26.164   | ug/L   | 98        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 90049    | 23.634   | ug/L   | 96        |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 92031    | 26.129   | ug/L   | 91        |
| 13) Acetone                   | 4.131  | 43    | 54971    | 52.598   | ug/L   | 98        |
| 14) Carbon disulfide          | 4.393  | 76    | 253571   | 23.082   | ug/L   | 98        |
| 15) Methyl Acetate            | 4.673  | 43    | 40320    | 25.046   | ug/L   | 99        |
| 16) Methylene chloride        | 4.923  | 84    | 101961   | 24.561   | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 97668    | 26.093   | ug/L   | 96        |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 160771   | 28.468   | ug/L   | 98        |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 202567   | 27.954   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 110550   | 27.346   | ug/L   | 99        |
| 22) 2-Butanone                | 7.173  | 43    | 67455    | 56.848   | ug/L   | 100       |
| 23) Bromochloromethane        | 7.520  | 128   | 48067    | 26.895   | ug/L   | 91        |
| 25) Chloroform                | 7.679  | 83    | 201639   | 27.029   | ug/L   | 100       |

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 ALS Vial : 1 Sample Multiplier: 1

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 Quant Title : SFAM01.0  
 QLast Update : Thu Apr 04 03:01:50 2024  
 Response via : Initial Calibration

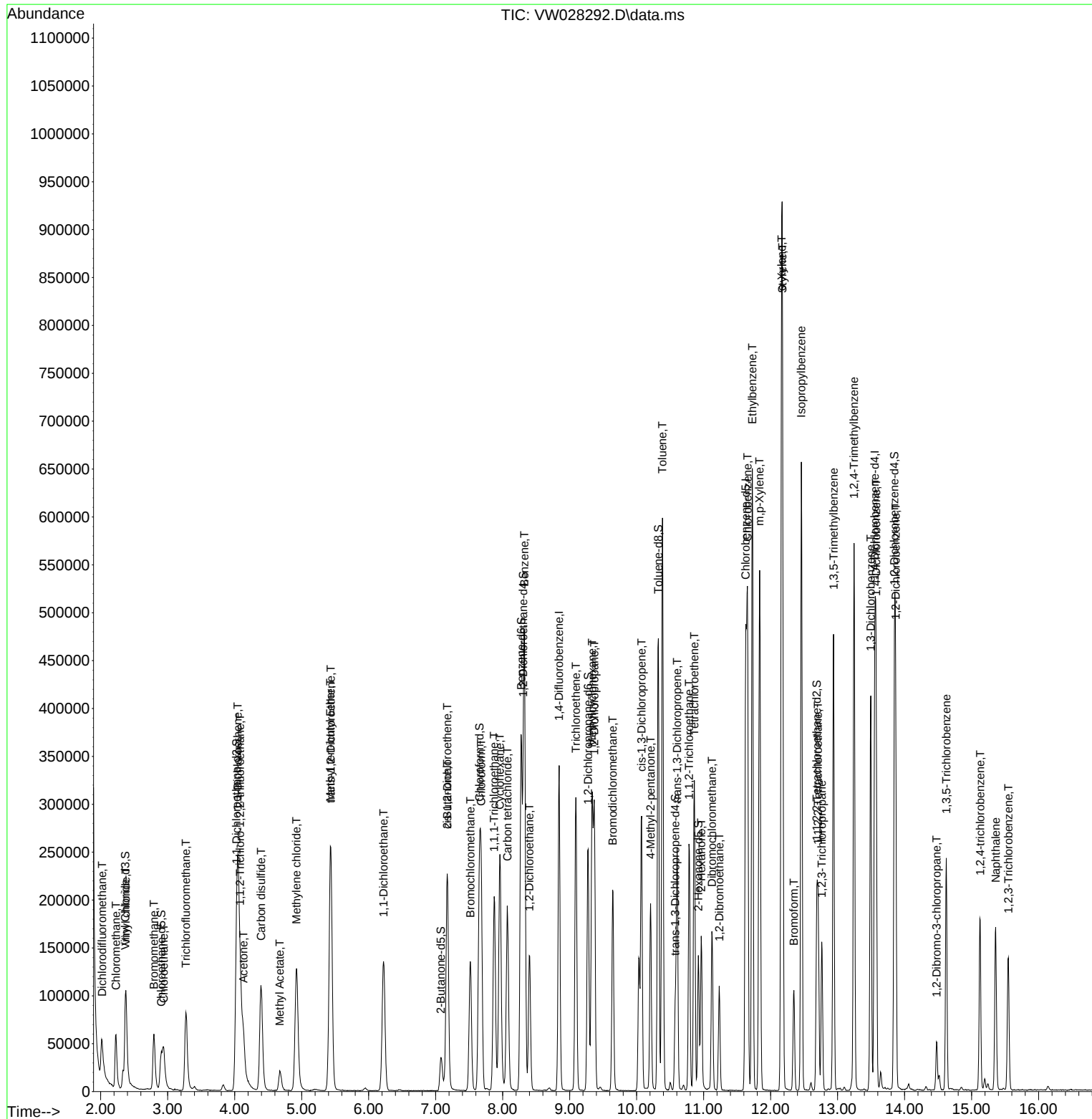
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 133053   | 25.255 | ug/L # | 95       |
| 29) Cyclohexane               | 7.959  | 56   | 142104   | 22.823 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 166250   | 26.568 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 145392   | 24.771 | ug/L   | 100      |
| 33) Benzene                   | 8.325  | 78   | 416281   | 28.339 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 109026   | 26.603 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.337  | 83   | 118128   | 17.053 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 110351   | 29.370 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 141392   | 27.912 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 170025   | 28.257 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 128519   | 61.969 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 431780   | 26.933 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 138646   | 27.292 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 78865    | 29.052 | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 74569    | 22.573 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.965 | 43   | 100951   | 62.139 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.123 | 129  | 88340    | 27.478 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 71677    | 27.614 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 258182   | 25.372 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 453805   | 24.248 | ug/L   | 95       |
| 53) m,p-Xylene                | 11.837 | 106  | 169692   | 24.095 | ug/L   | 97       |
| 54) o-Xylene                  | 12.166 | 106  | 162969   | 24.954 | ug/L   | 98       |
| 55) Styrene                   | 12.178 | 104  | 285221   | 25.425 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 86392    | 27.823 | ug/L   | 97       |
| 59) Bromoform                 | 12.349 | 173  | 49318    | 32.999 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 410978   | 27.733 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 63848    | 33.542 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 246437   | 24.785 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 304227   | 25.339 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 166925   | 25.249 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 166344   | 25.162 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 151703   | 26.646 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 13478    | 30.142 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 71615    | 15.551 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 56695    | 14.492 | ug/L   | 95       |
| 71) Naphthalene               | 15.360 | 128  | 144563   | 21.529 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 46107    | 14.296 | ug/L   | 98       |

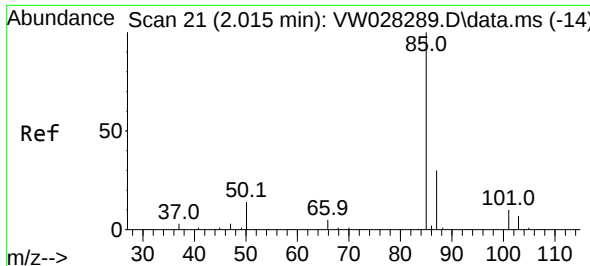
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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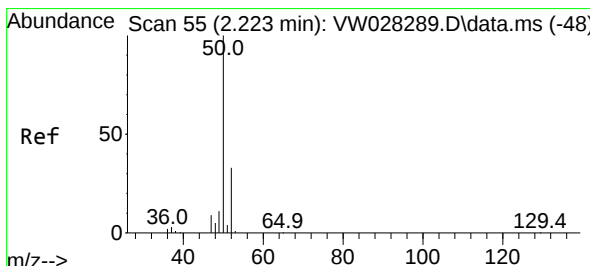
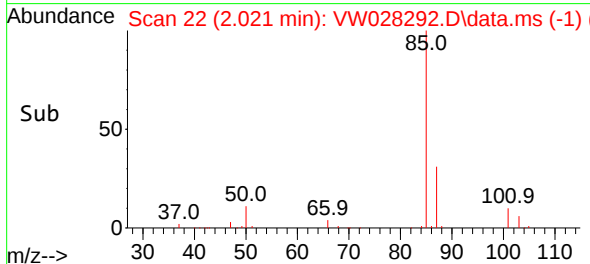
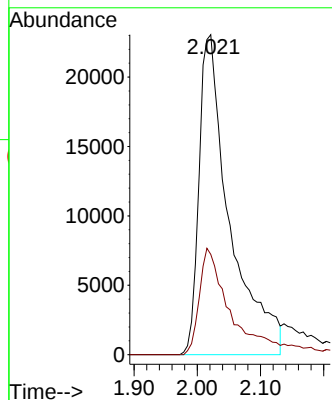
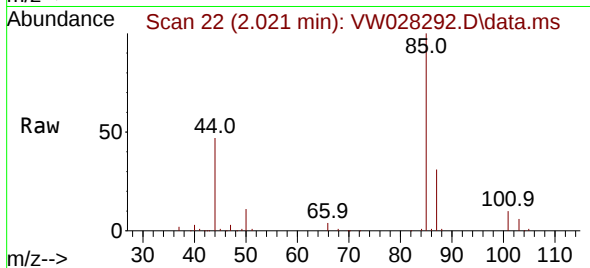




#2  
Dichlorodifluoromethane  
Concen: 19.619 ug/L  
RT: 2.021 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

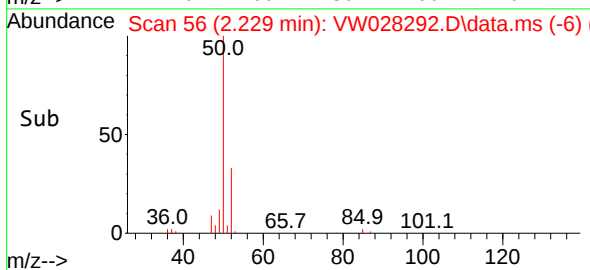
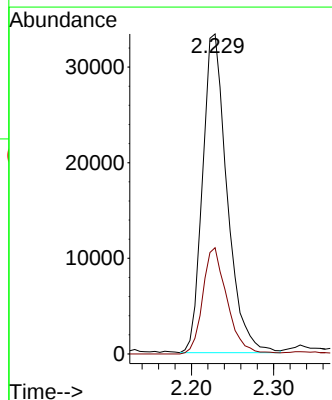
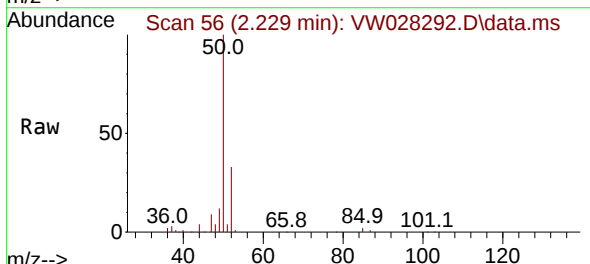
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

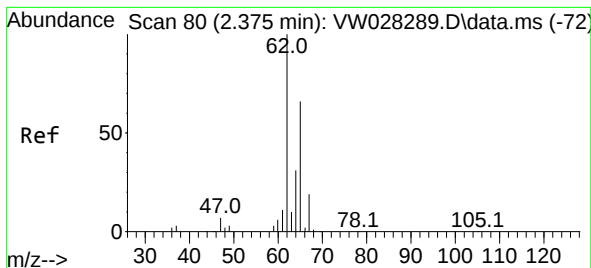
Tgt Ion: 85 Resp: 77629  
Ion Ratio Lower Upper  
85 100  
87 32.8 20.9 31.3#



#3  
Chloromethane  
Concen: 24.640 ug/L  
RT: 2.229 min Scan# 56  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 50 Resp: 69148  
Ion Ratio Lower Upper  
50 100  
52 33.2 22.7 42.1





#5

Vinyl chloride

Concen: 26.969 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

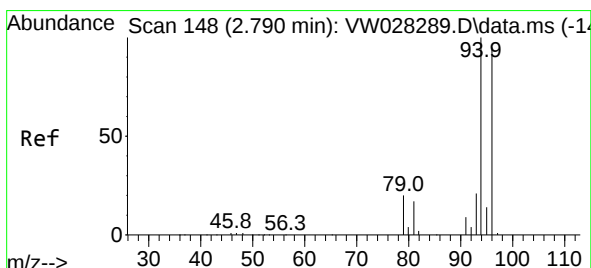
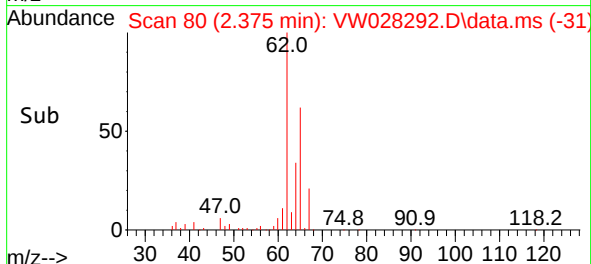
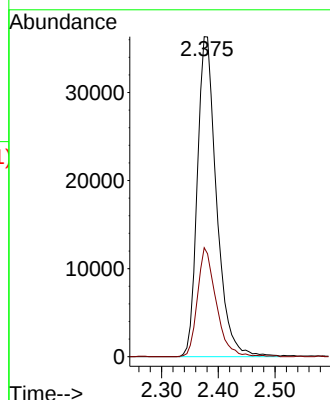
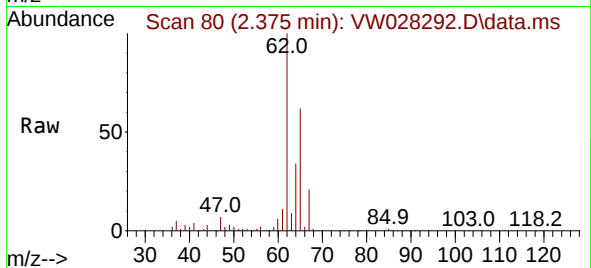
E07D6MS

Tgt Ion: 62 Resp: 85551

Ion Ratio Lower Upper

62 100

64 34.1 22.5 41.7



#6

Bromomethane

Concen: 25.902 ug/L

RT: 2.796 min Scan# 149

Delta R.T. 0.006 min

Lab File: VW028292.D

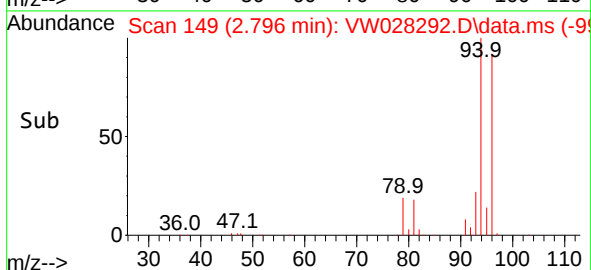
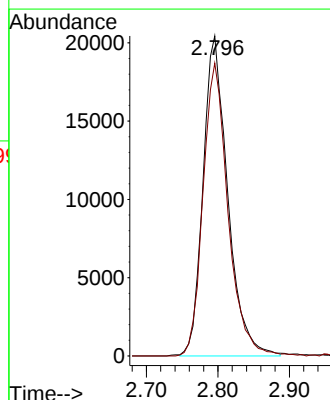
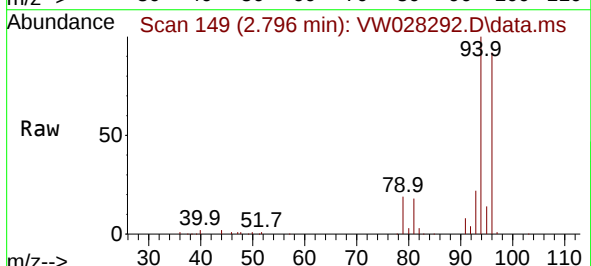
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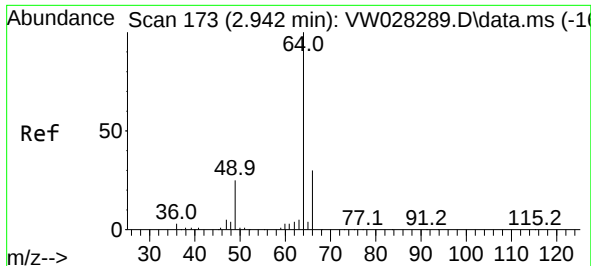
Tgt Ion: 94 Resp: 48935

Ion Ratio Lower Upper

94 100

96 91.5 60.8 113.0

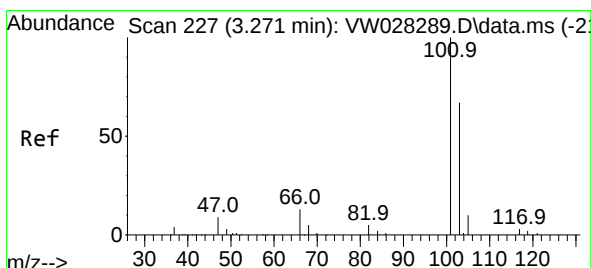
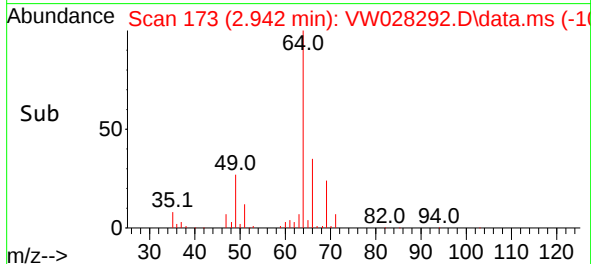
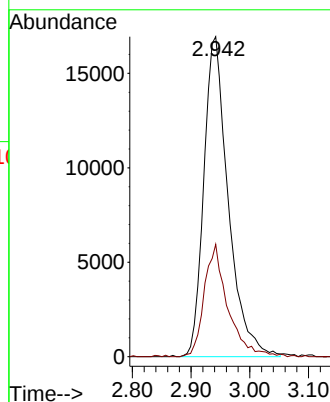
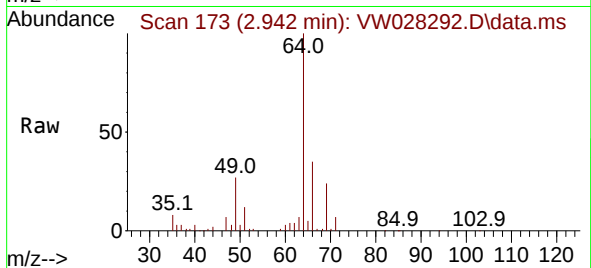




#8  
Chloroethane  
Concen: 28.737 ug/L  
RT: 2.942 min Scan# 173  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

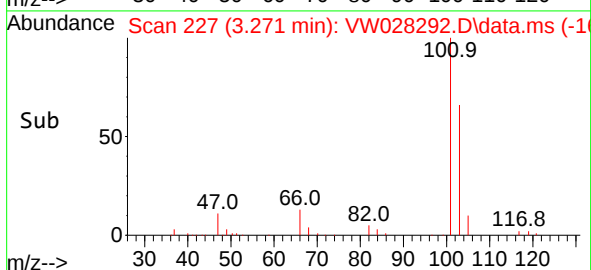
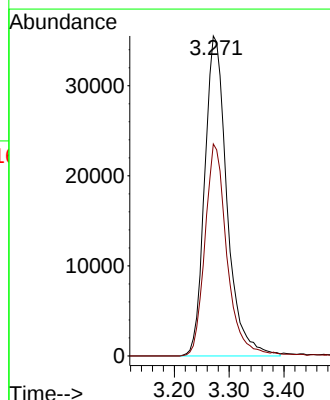
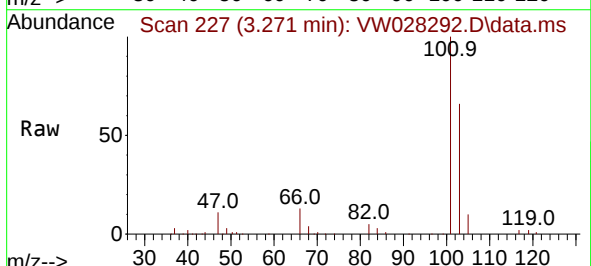
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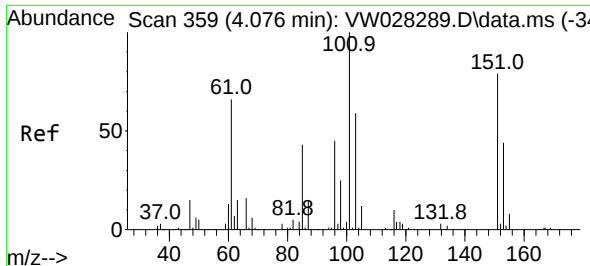
Tgt Ion: 64 Resp: 48998  
Ion Ratio Lower Upper  
64 100  
66 35.1 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 26.164 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion:101 Resp: 100348  
Ion Ratio Lower Upper  
101 100  
103 65.0 50.9 76.3

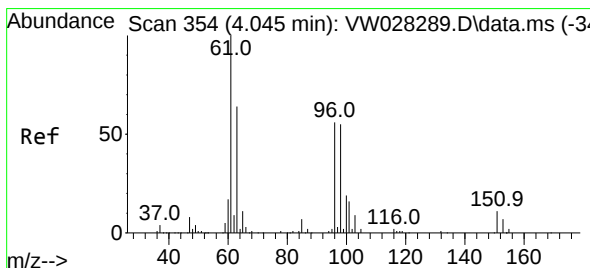
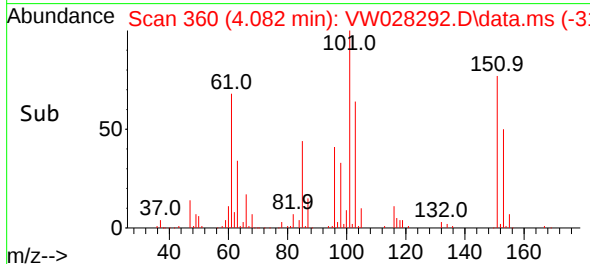
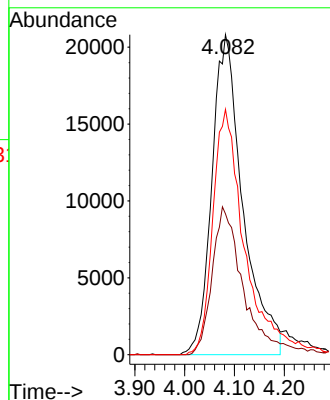
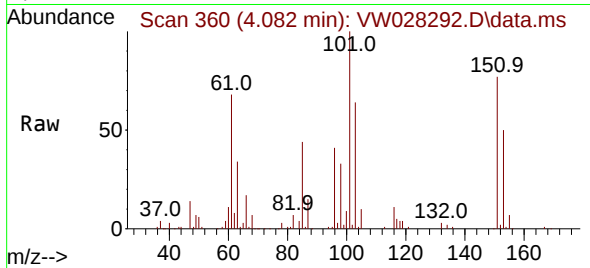




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 23.634 ug/L  
 RT: 4.082 min Scan# 3  
 Delta R.T. 0.006 min  
 Lab File: VW028292.D  
 Acq: 03 Apr 2024 14:46

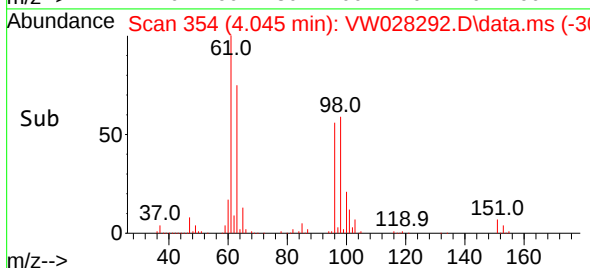
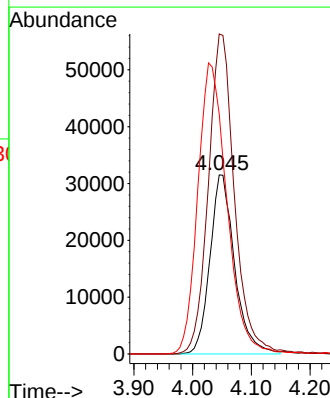
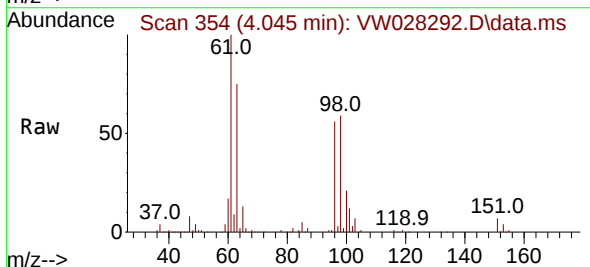
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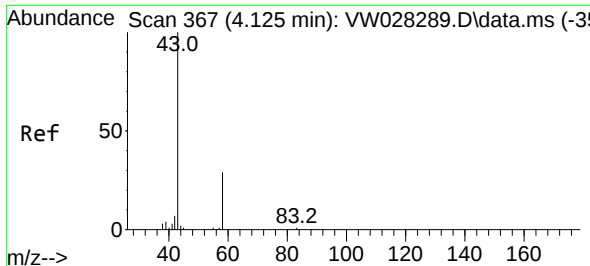
Tgt Ion:101 Resp: 90049  
 Ion Ratio Lower Upper  
 101 100  
 85 46.1 36.4 54.6  
 151 77.3 58.4 87.6



#12  
 1,1-Dichloroethene  
 Concen: 26.129 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. -0.000 min  
 Lab File: VW028292.D  
 Acq: 03 Apr 2024 14:46

Tgt Ion: 96 Resp: 92031  
 Ion Ratio Lower Upper  
 96 100  
 61 178.8 132.2 245.4  
 63 134.0 104.6 194.2





#13

Acetone

Concen: 52.598 ug/L

RT: 4.131 min Scan# 368

Delta R.T. 0.006 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

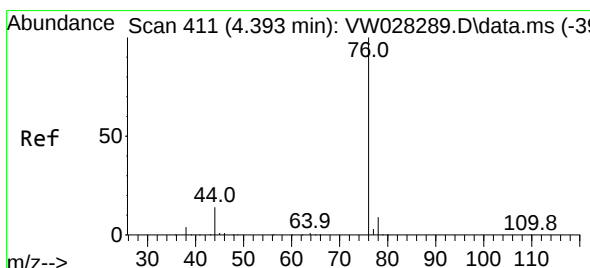
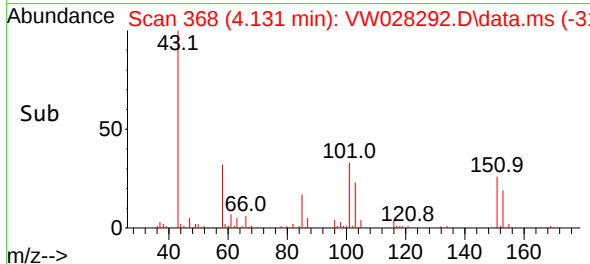
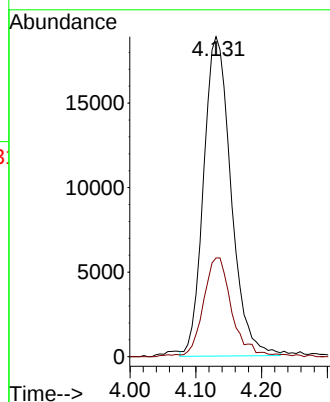
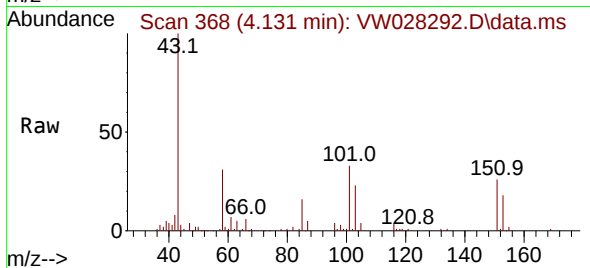
E07D6MS

Tgt Ion: 43 Resp: 54971

Ion Ratio Lower Upper

43 100

58 29.9 0.0 57.8



#14

Carbon disulfide

Concen: 23.082 ug/L

RT: 4.393 min Scan# 411

Delta R.T. -0.000 min

Lab File: VW028292.D

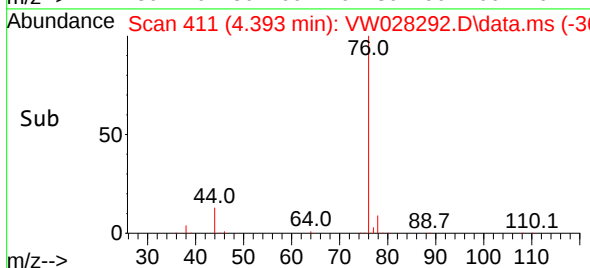
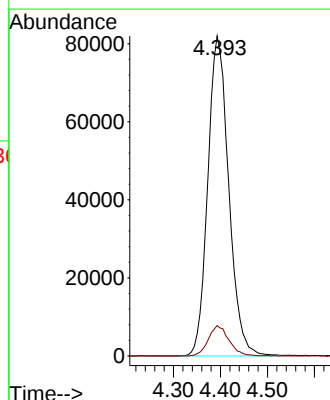
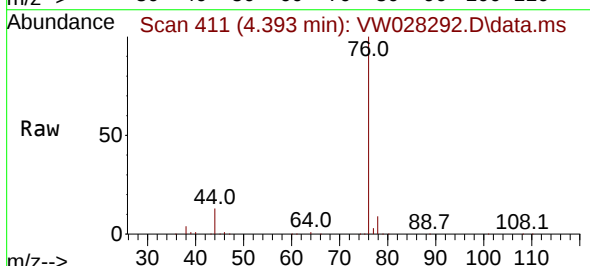
Acq: 03 Apr 2024 14:46

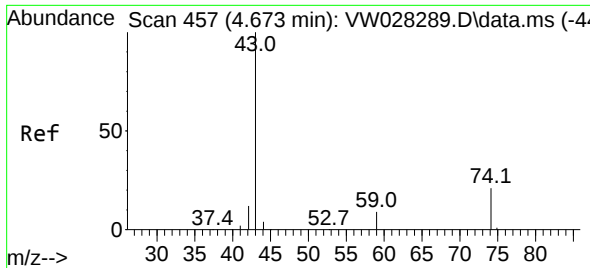
Tgt Ion: 76 Resp: 253571

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

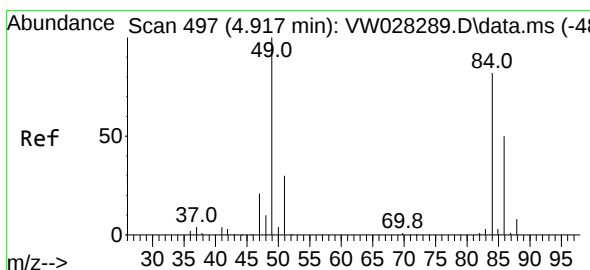
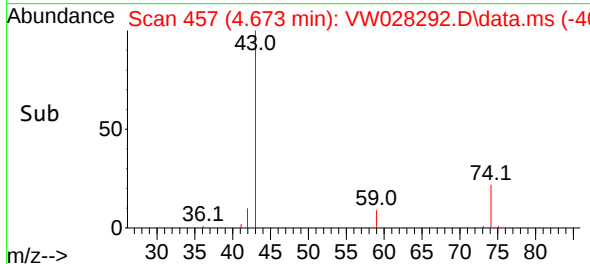
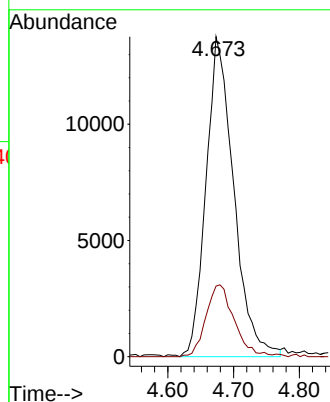
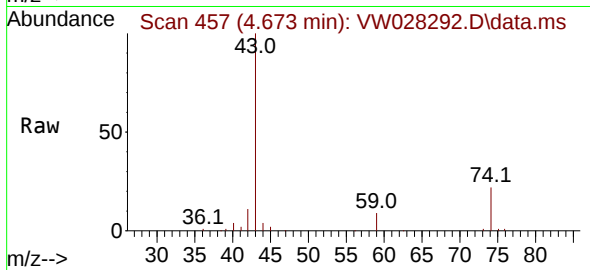




#15  
Methyl Acetate  
Concen: 25.046 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

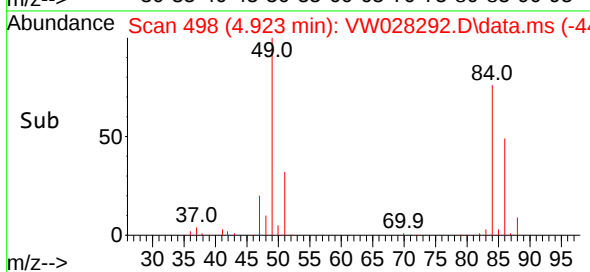
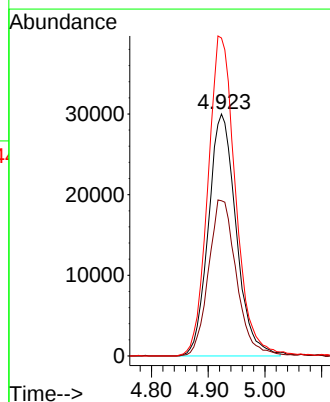
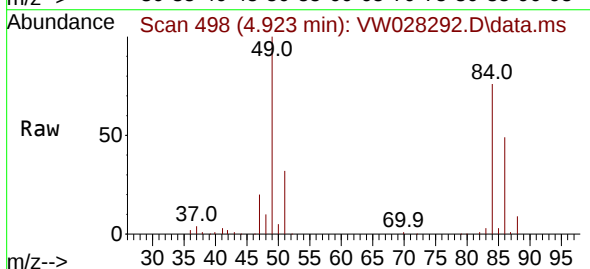
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

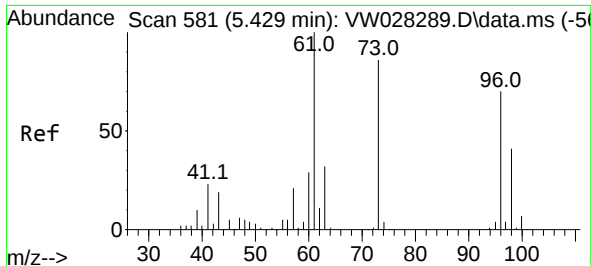
Tgt Ion: 43 Resp: 40320  
Ion Ratio Lower Upper  
43 100  
74 22.5 18.2 27.2



#16  
Methylene chloride  
Concen: 24.561 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 84 Resp: 101961  
Ion Ratio Lower Upper  
84 100  
86 64.2 43.1 80.1  
49 131.5 89.4 166.0

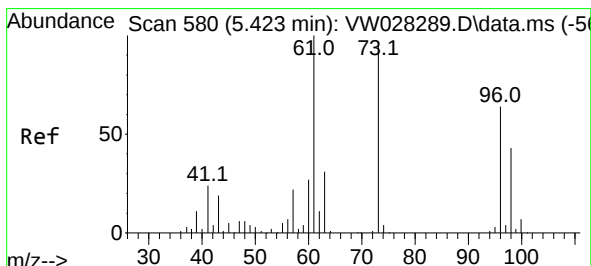
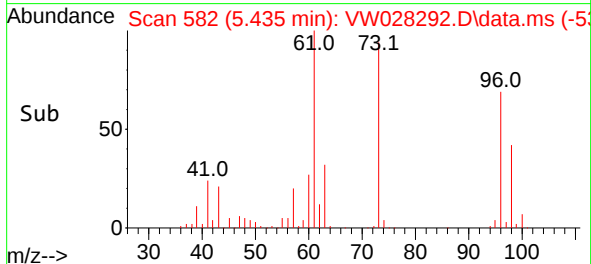
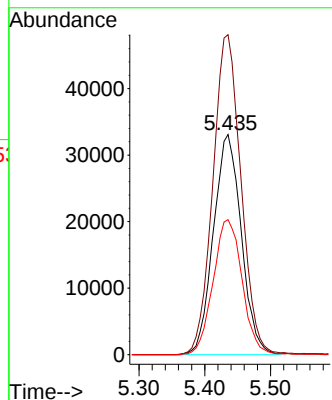
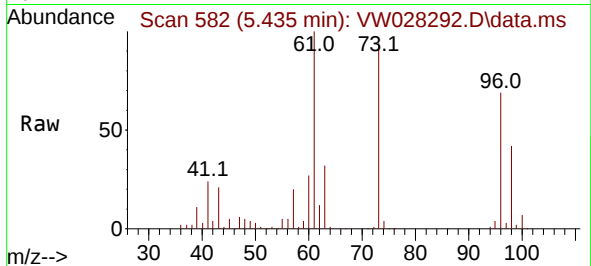




#17  
trans-1,2-Dichloroethene  
Concen: 26.093 ug/L  
RT: 5.435 min Scan# 582  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

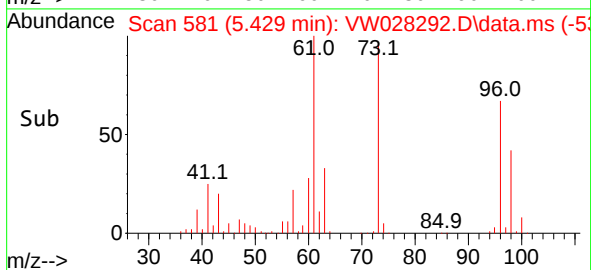
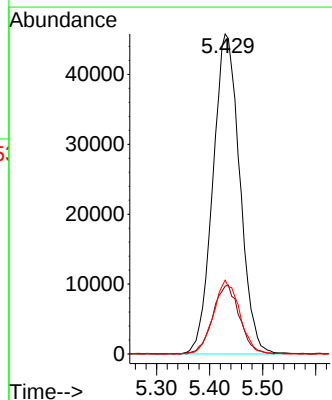
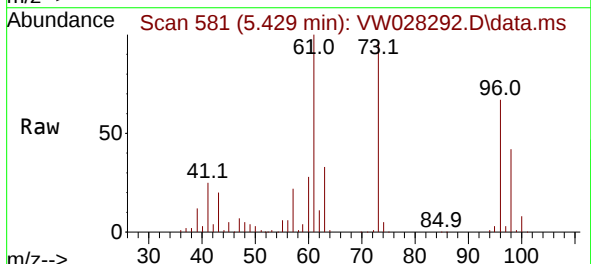
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

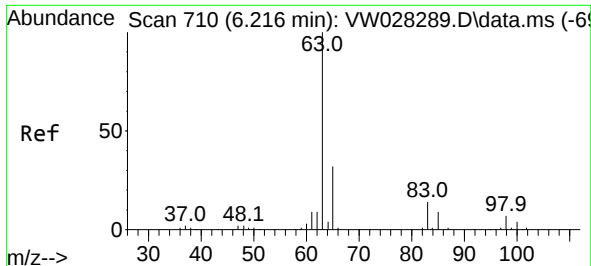
Tgt Ion: 96 Resp: 97668  
Ion Ratio Lower Upper  
96 100  
61 145.3 98.4 182.8  
98 61.3 45.6 84.8



#18  
Methyl tert-butyl Ether  
Concen: 28.468 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 73 Resp: 160771  
Ion Ratio Lower Upper  
73 100  
43 21.6 18.2 27.4  
57 22.5 17.4 26.2

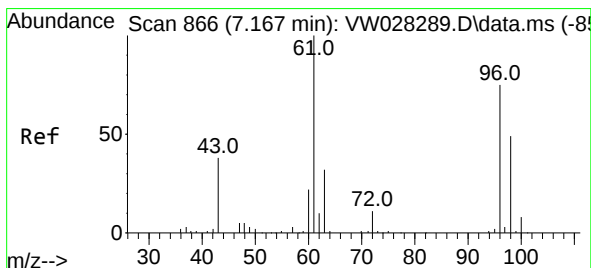
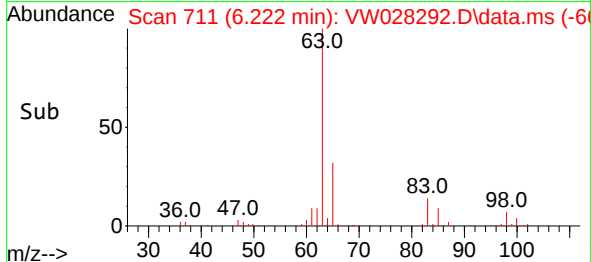
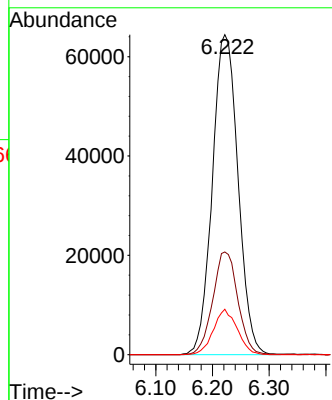
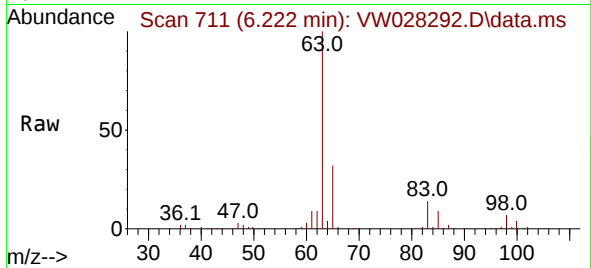




#19  
1,1-Dichloroethane  
Concen: 27.954 ug/L  
RT: 6.222 min Scan# 710  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

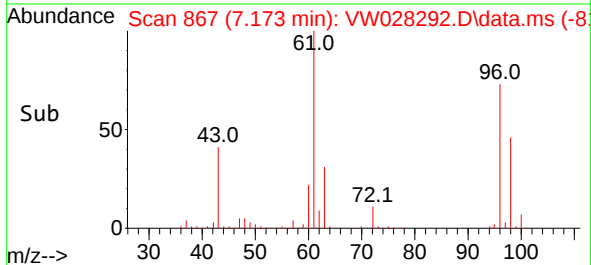
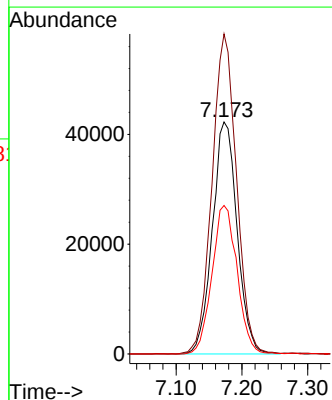
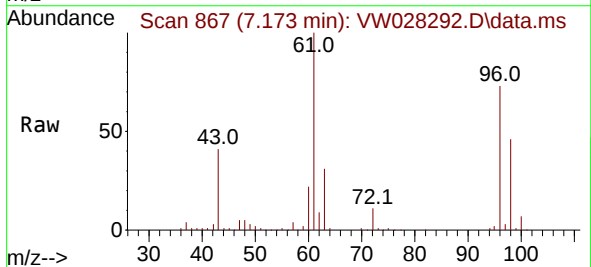
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

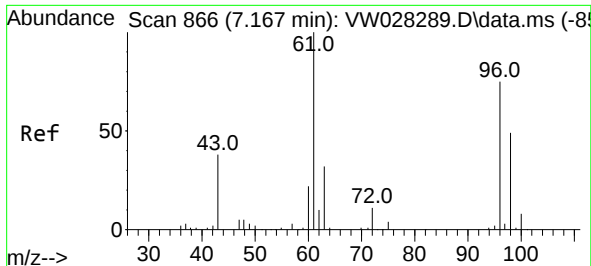
Tgt Ion: 63 Resp: 202567  
Ion Ratio Lower Upper  
63 100  
65 32.1 22.1 41.1  
83 14.2 9.0 16.6



#20  
cis-1,2-Dichloroethene  
Concen: 27.346 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 96 Resp: 110550  
Ion Ratio Lower Upper  
96 100  
61 137.9 95.7 177.7  
98 64.0 43.9 81.5

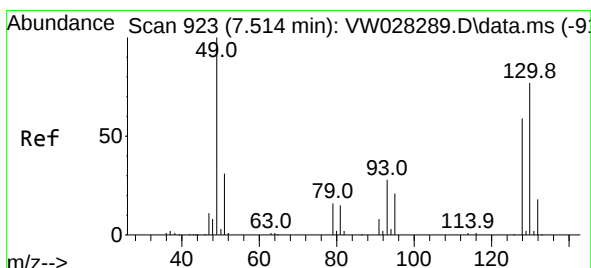
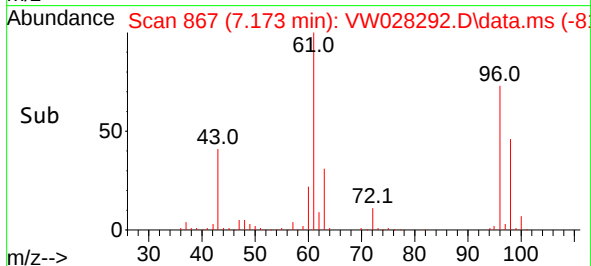
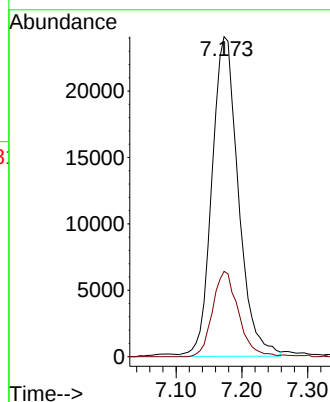
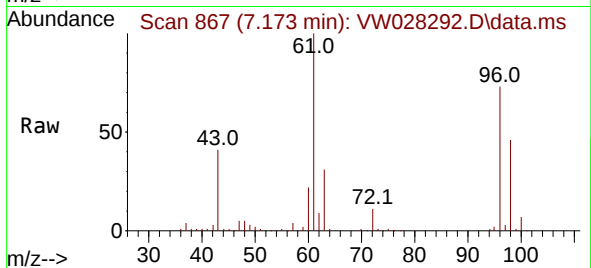




#22  
2-Butanone  
Concen: 56.848 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

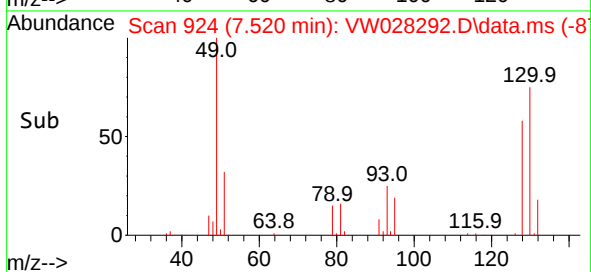
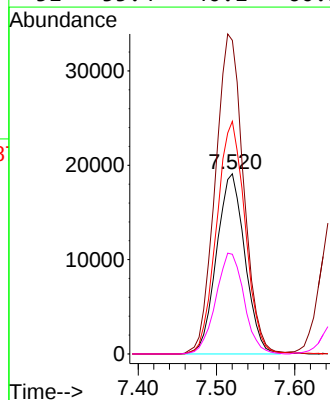
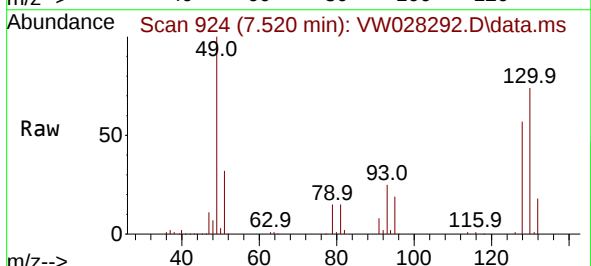
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

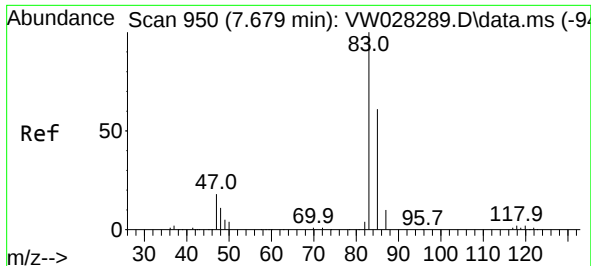
Tgt Ion: 43 Resp: 67455  
Ion Ratio Lower Upper  
43 100  
72 25.7 12.8 38.4



#23  
Bromochloromethane  
Concen: 26.895 ug/L  
RT: 7.520 min Scan# 924  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 128 Resp: 48067  
Ion Ratio Lower Upper  
128 100  
49 174.1 116.6 216.6  
130 129.2 80.1 148.7  
51 55.4 40.1 60.1

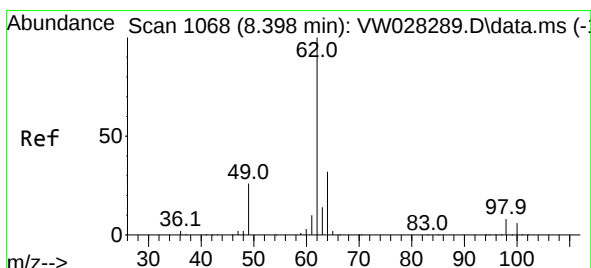
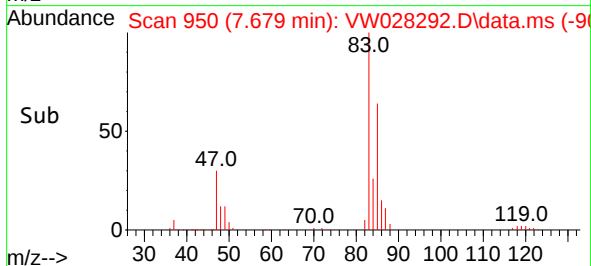
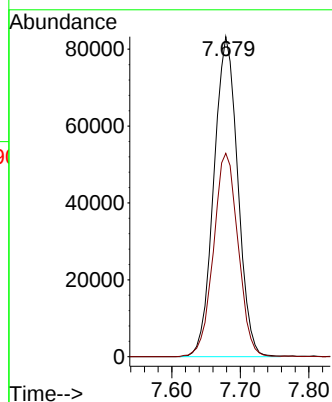
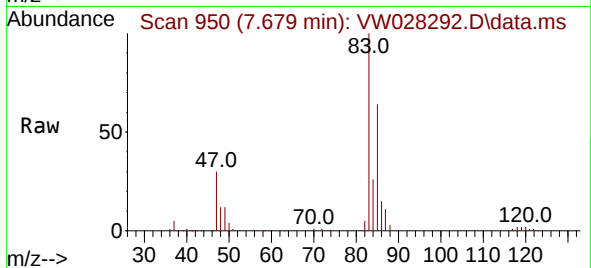




#25  
Chloroform  
Concen: 27.029 ug/L  
RT: 7.679 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

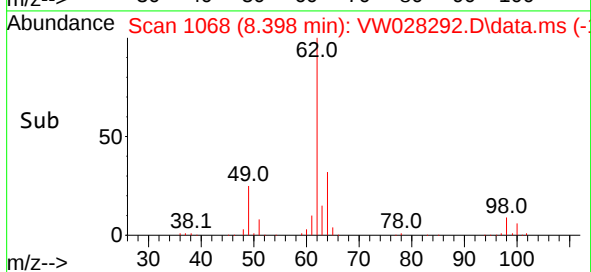
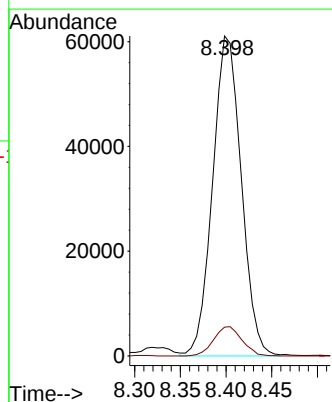
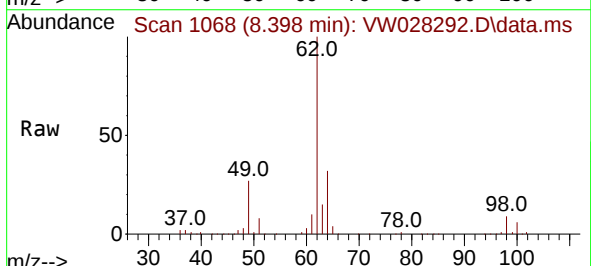
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

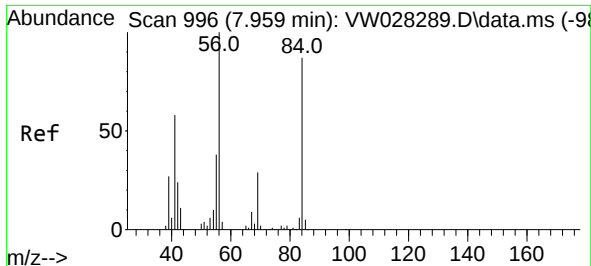
Tgt Ion: 83 Resp: 201639  
Ion Ratio Lower Upper  
83 100  
85 63.6 44.5 82.7



#27  
1,2-Dichloroethane  
Concen: 25.255 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 62 Resp: 133053  
Ion Ratio Lower Upper  
62 100  
98 9.0 5.9 8.9#





#29

Cyclohexane

Concen: 22.823 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MS

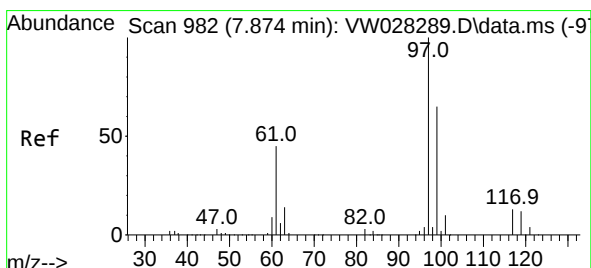
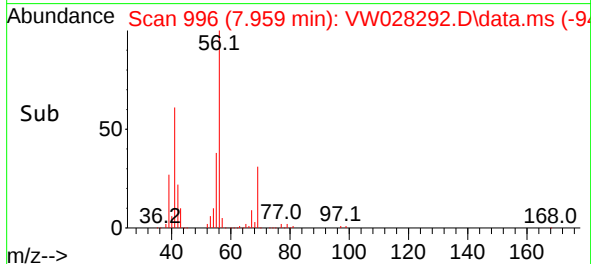
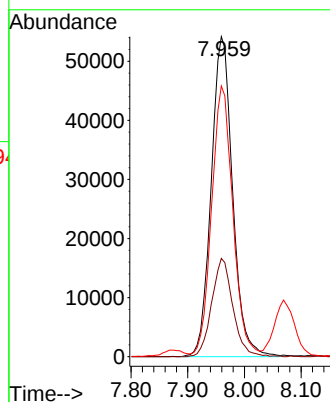
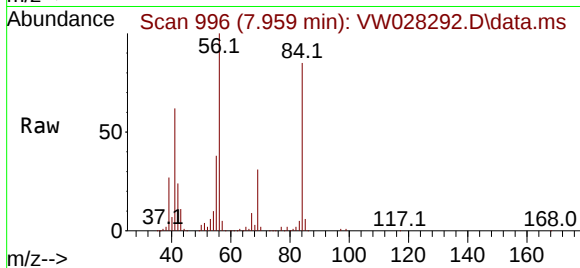
Tgt Ion: 56 Resp: 142104

Ion Ratio Lower Upper

56 100

69 30.2 24.0 36.0

84 83.9 68.4 102.6



#30

1,1,1-Trichloroethane

Concen: 26.568 ug/L

RT: 7.874 min Scan# 982

Delta R.T. -0.000 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

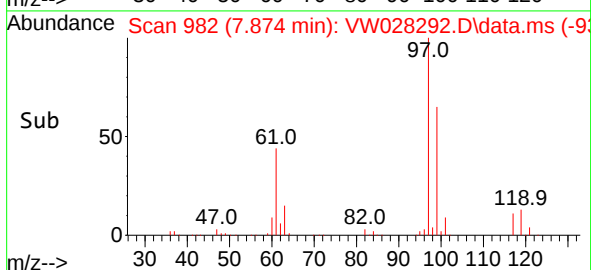
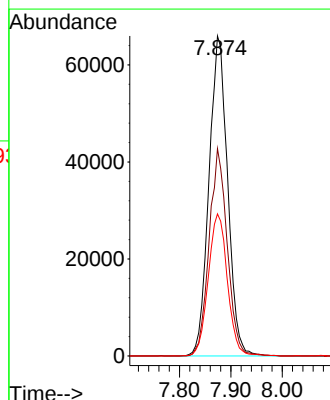
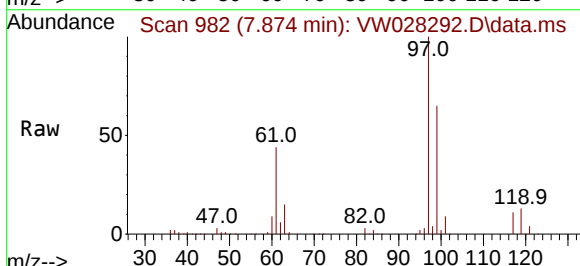
Tgt Ion: 97 Resp: 166250

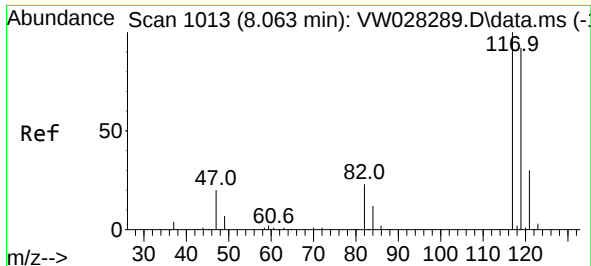
Ion Ratio Lower Upper

97 100

99 63.1 51.3 76.9

61 45.5 37.0 55.6

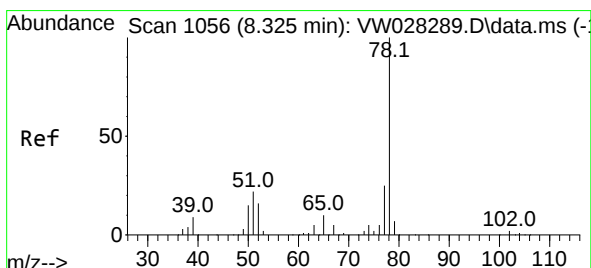
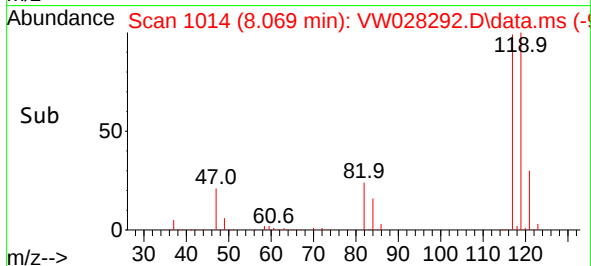
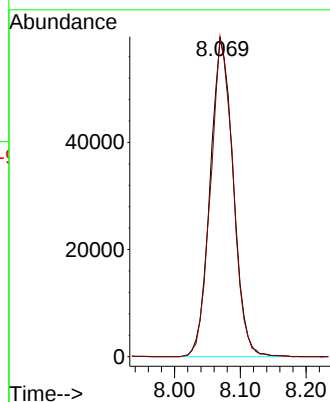
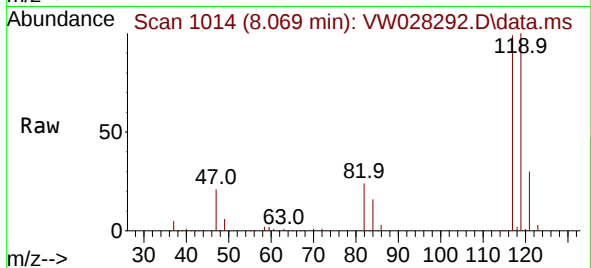




#31  
Carbon tetrachloride  
Concen: 24.771 ug/L  
RT: 8.069 min Scan# 1013  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

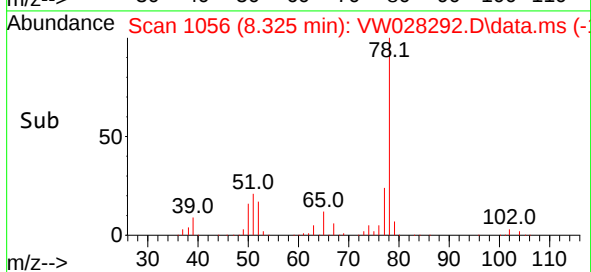
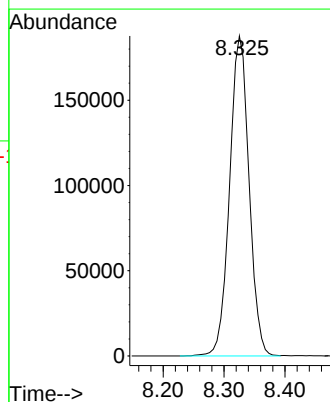
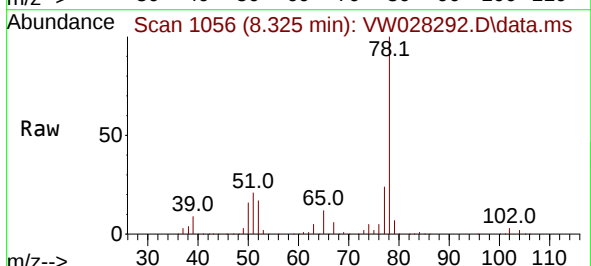
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

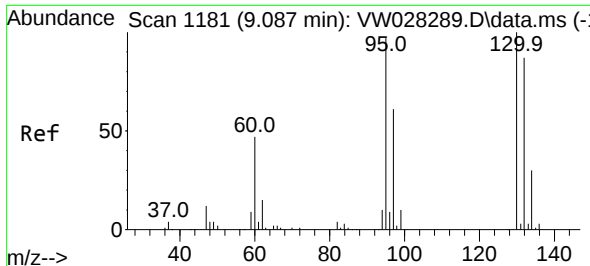
Tgt Ion:117 Resp: 145392  
Ion Ratio Lower Upper  
117 100  
119 97.5 78.2 117.4



#33  
Benzene  
Concen: 28.339 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 78 Resp: 416281





#34

Trichloroethene

Concen: 26.603 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MS

Tgt Ion: 95 Resp: 109026

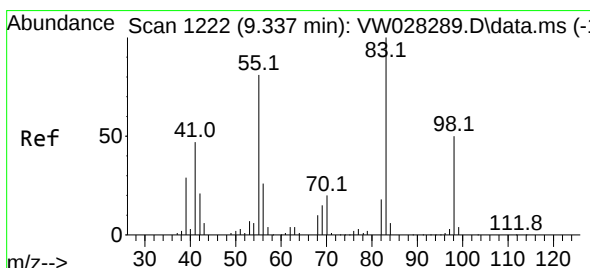
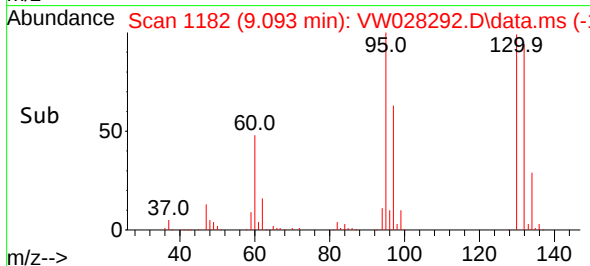
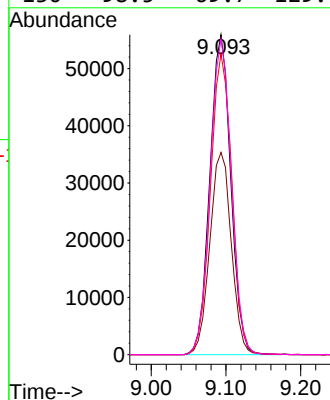
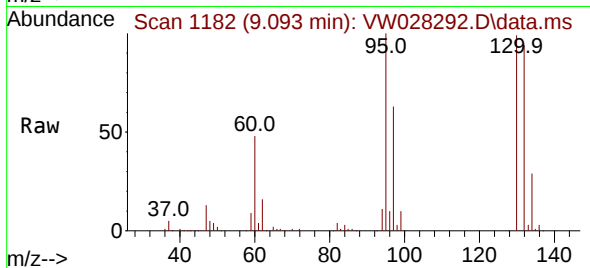
Ion Ratio Lower Upper

95 100

97 63.2 42.4 78.6

132 94.0 69.4 128.8

130 98.5 69.7 129.4



#35

Methylcyclohexane

Concen: 17.053 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

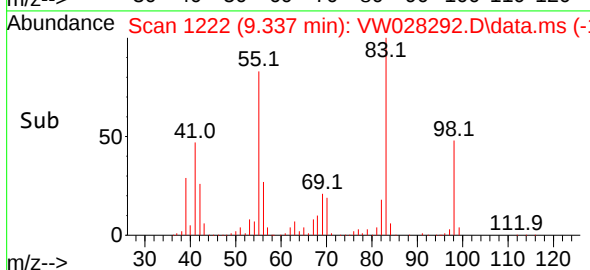
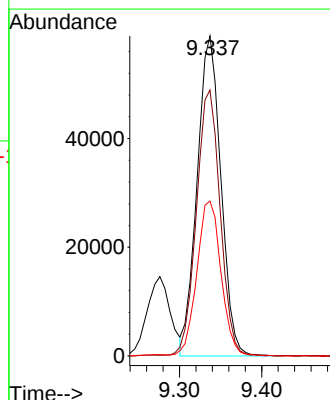
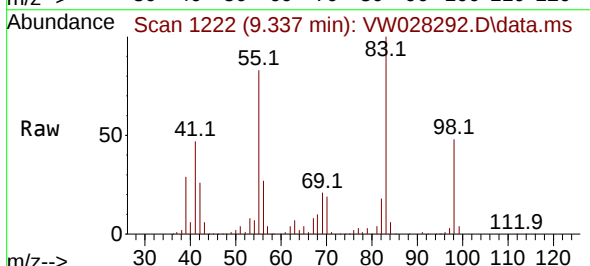
Tgt Ion: 83 Resp: 118128

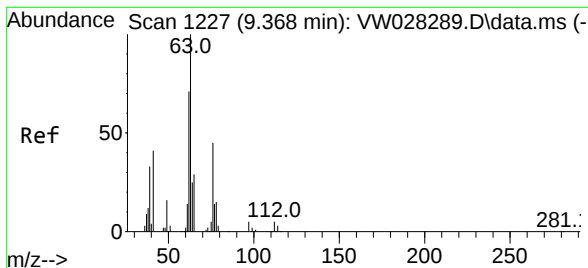
Ion Ratio Lower Upper

83 100

55 82.6 64.2 96.4

98 49.3 38.3 57.5

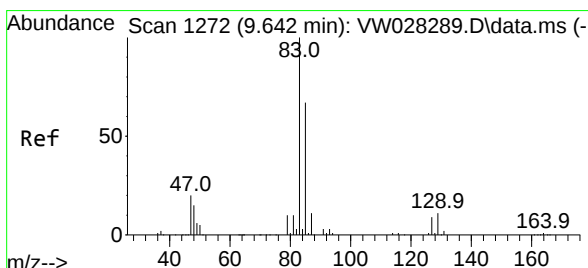
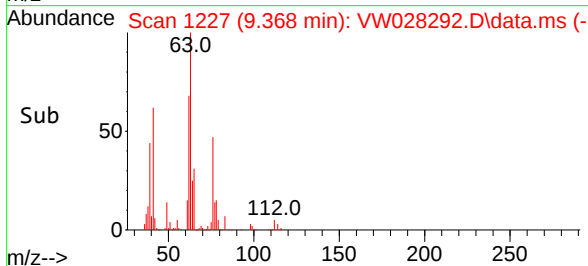
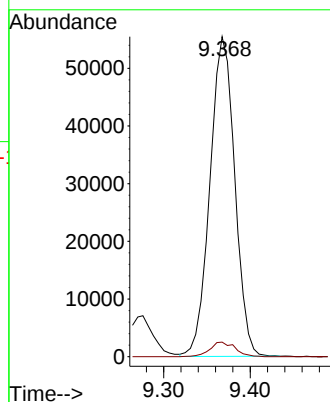
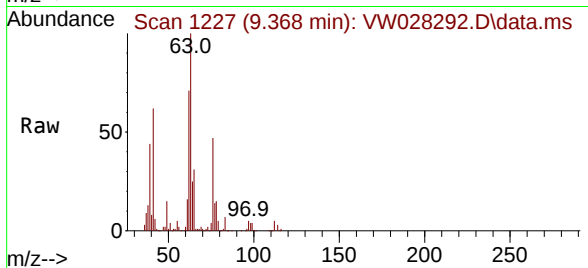




#37  
 1,2-Dichloropropane  
 Concen: 29.370 ug/L  
 RT: 9.368 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VW028292.D  
 Acq: 03 Apr 2024 14:46

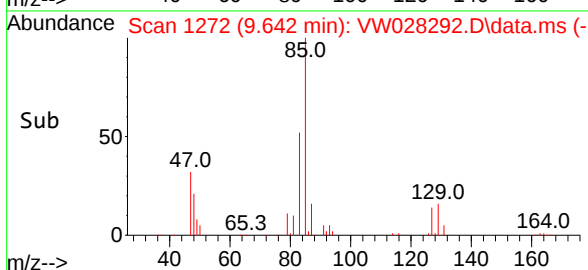
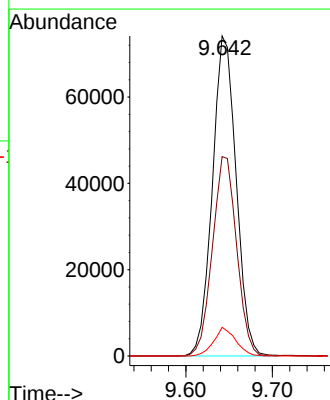
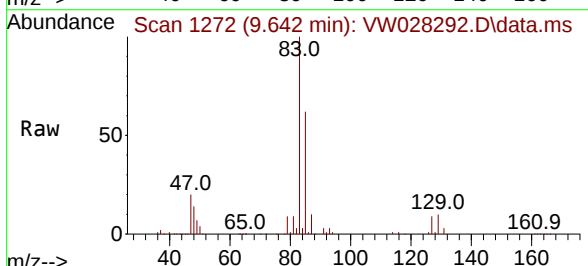
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E07D6MS

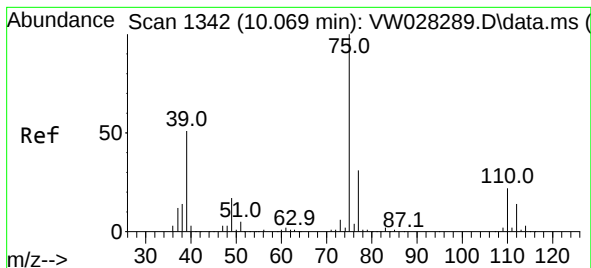
Tgt Ion: 63 Resp: 110351  
 Ion Ratio Lower Upper  
 63 100  
 112 4.7 3.8 5.8



#38  
 Bromodichloromethane  
 Concen: 27.912 ug/L  
 RT: 9.642 min Scan# 1272  
 Delta R.T. -0.000 min  
 Lab File: VW028292.D  
 Acq: 03 Apr 2024 14:46

Tgt Ion: 83 Resp: 141392  
 Ion Ratio Lower Upper  
 83 100  
 85 62.3 45.8 85.2  
 127 9.0 6.5 9.7

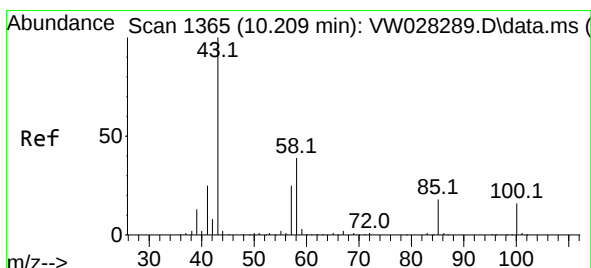
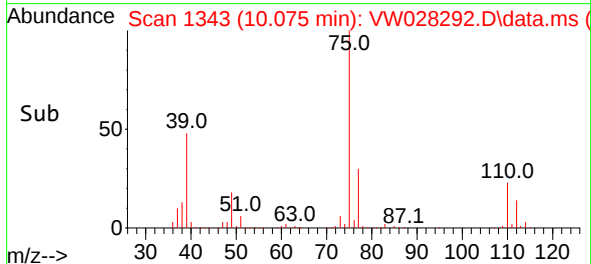
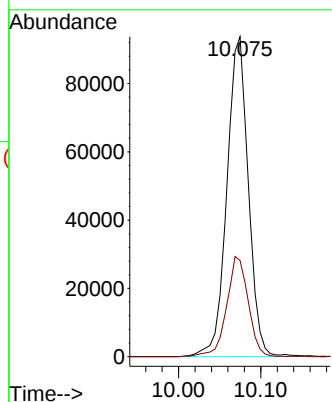
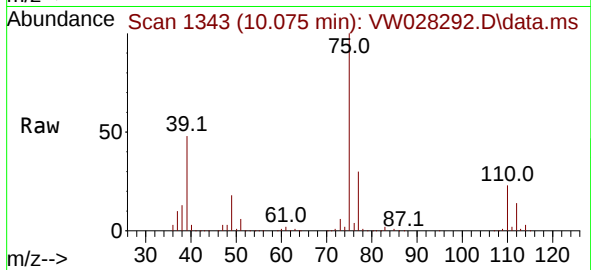




#39  
cis-1,3-Dichloropropene  
Concen: 28.257 ug/L  
RT: 10.075 min Scan# 1343  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

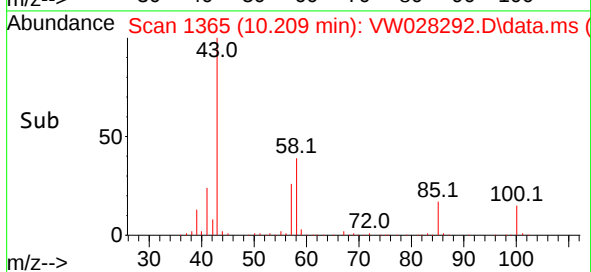
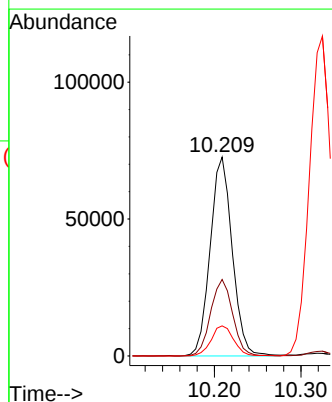
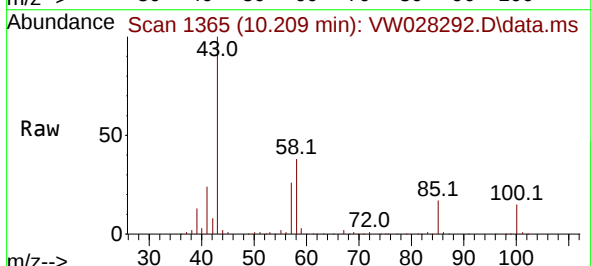
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

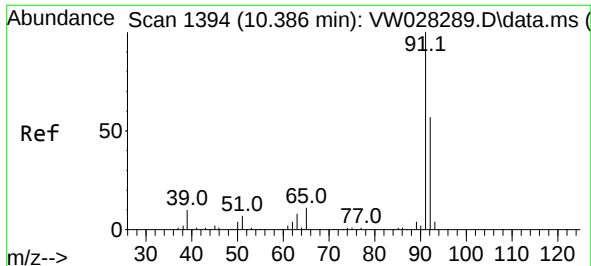
Tgt Ion: 75 Resp: 170025  
Ion Ratio Lower Upper  
75 100  
77 30.1 22.5 41.7



#40  
4-Methyl-2-pentanone  
Concen: 61.969 ug/L  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 43 Resp: 128519  
Ion Ratio Lower Upper  
43 100  
58 38.4 30.1 45.1  
100 15.5 11.8 17.8

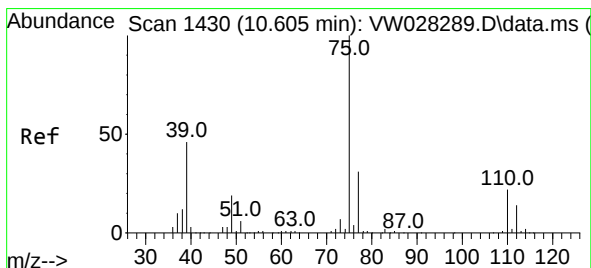
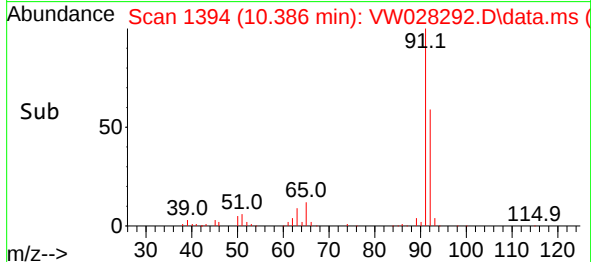
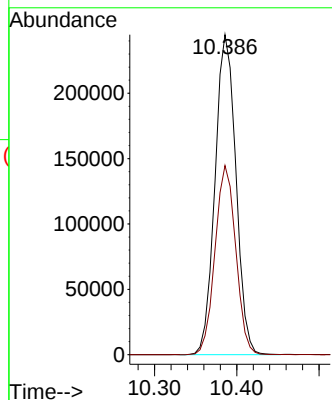
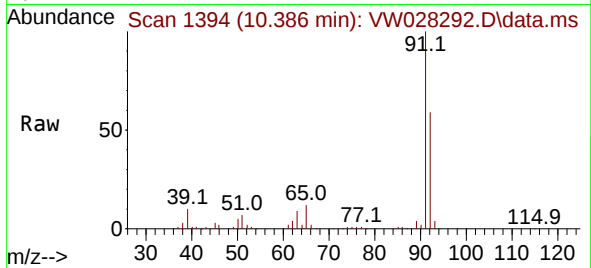




#42  
Toluene  
Concen: 26.933 ug/L  
RT: 10.386 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

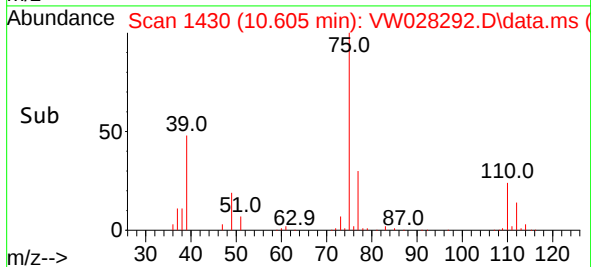
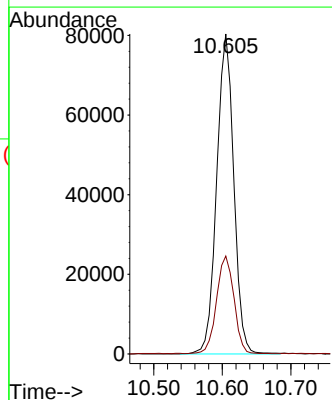
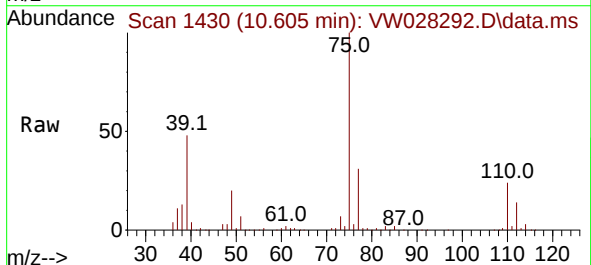
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

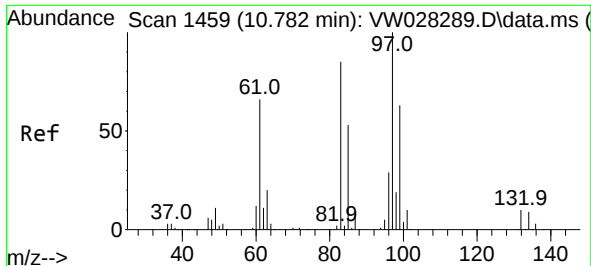
Tgt Ion: 91 Resp: 431780  
Ion Ratio Lower Upper  
91 100  
92 59.1 40.8 75.8



#44  
trans-1,3-Dichloropropene  
Concen: 27.292 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 75 Resp: 138646  
Ion Ratio Lower Upper  
75 100  
77 30.6 23.0 42.6

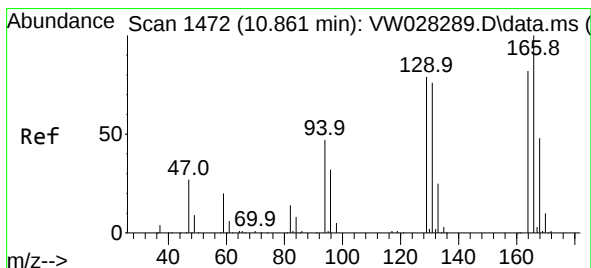
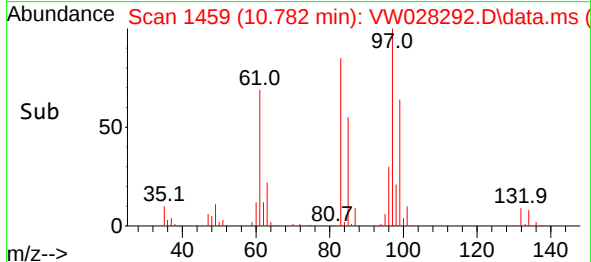
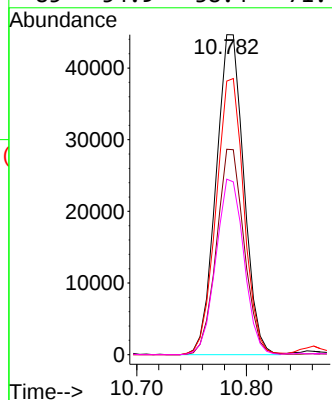
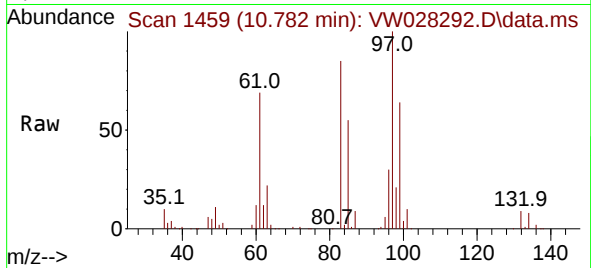




#45  
1,1,2-Trichloroethane  
Concen: 29.052 ug/L  
RT: 10.782 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

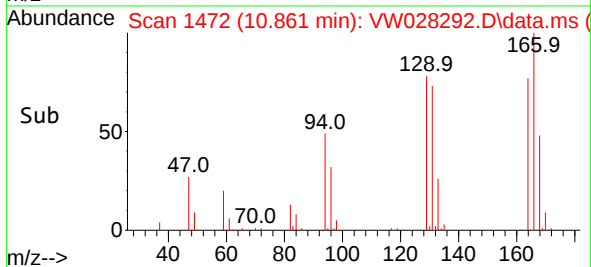
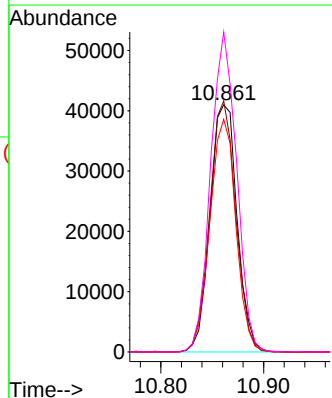
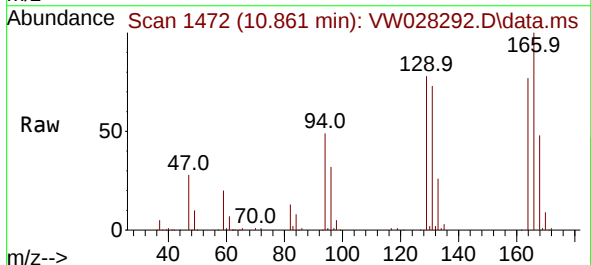
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

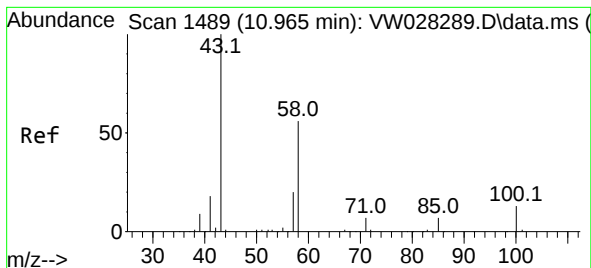
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 78865 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.2  | 43.4  | 80.6  |
| 83       | 85.5  | 59.4  | 110.4 |
| 85       | 54.9  | 38.4  | 71.4  |



#46  
Tetrachloroethene  
Concen: 22.573 ug/L  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 74569 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 101.6 | 64.0  | 119.0 |
| 131      | 94.1  | 62.6  | 116.3 |
| 166      | 129.5 | 84.7  | 157.3 |





#48

2-Hexanone

Concen: 62.139 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MS

Tgt Ion: 43 Resp: 100951

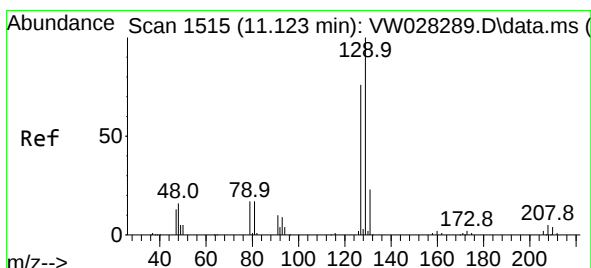
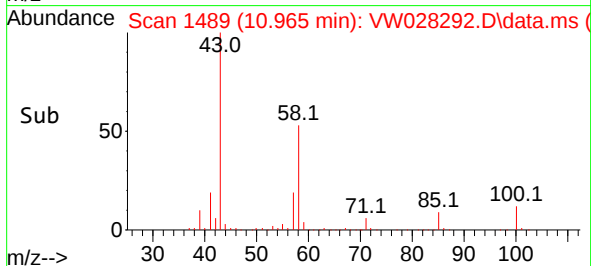
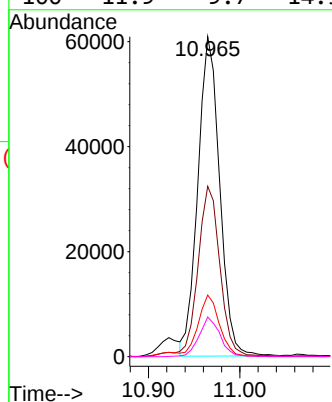
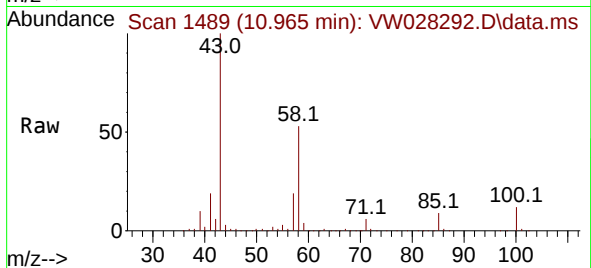
Ion Ratio Lower Upper

43 100

58 53.7 40.6 61.0

57 18.6 15.7 23.5

100 11.9 9.7 14.5



#49

Dibromochloromethane

Concen: 27.478 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.000 min

Lab File: VW028292.D

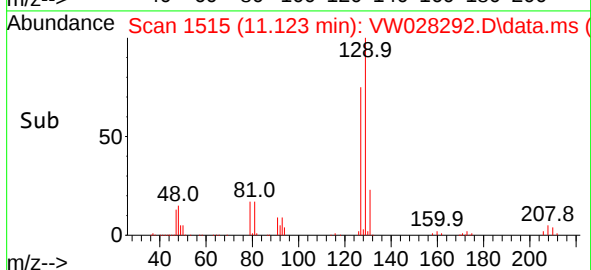
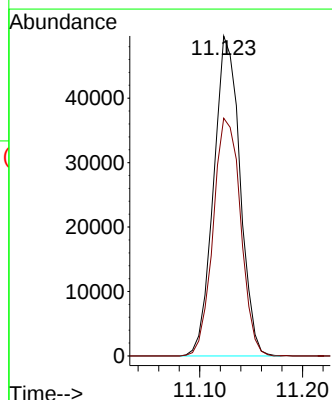
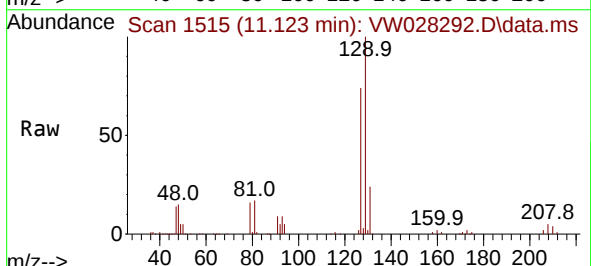
Acq: 03 Apr 2024 14:46

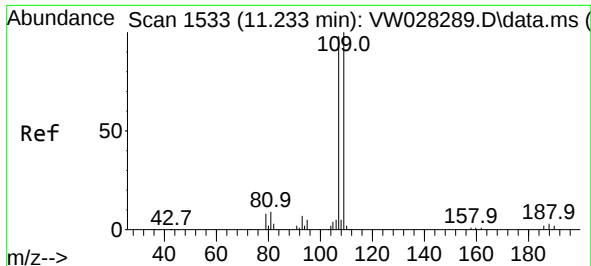
Tgt Ion:129 Resp: 88340

Ion Ratio Lower Upper

129 100

127 74.3 53.1 98.7

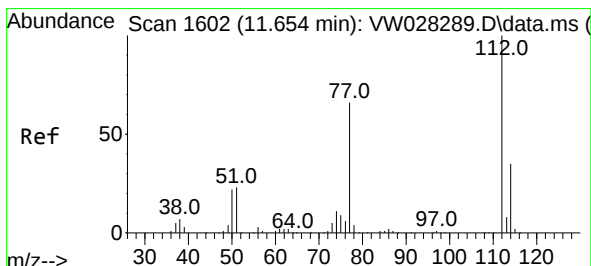
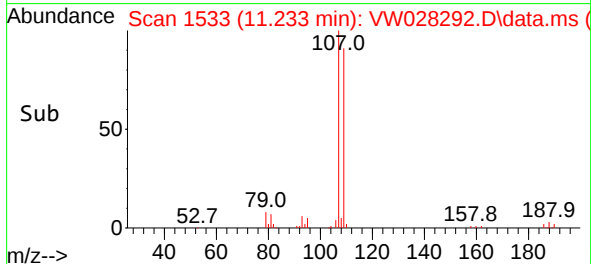
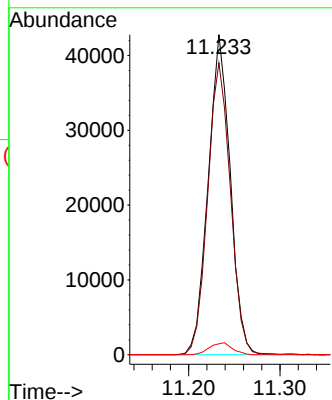
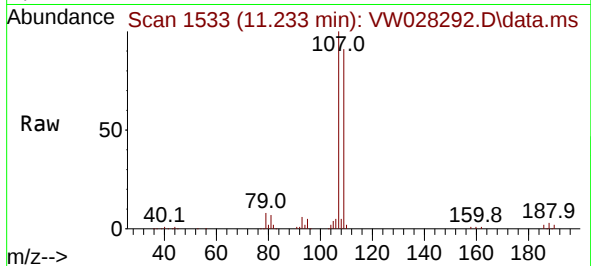




#50  
1,2-Dibromoethane  
Concen: 27.614 ug/L  
RT: 11.233 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

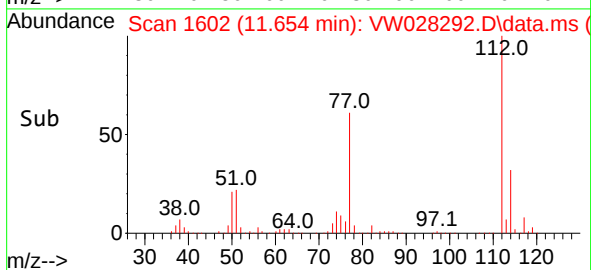
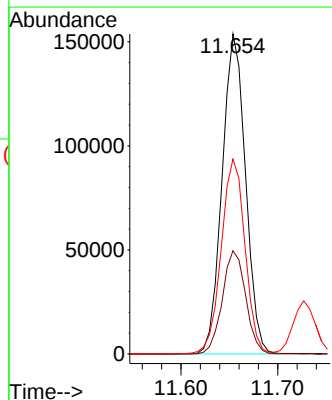
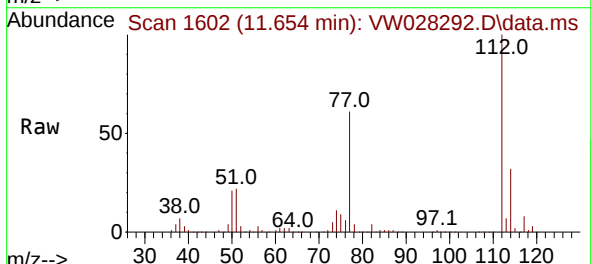
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

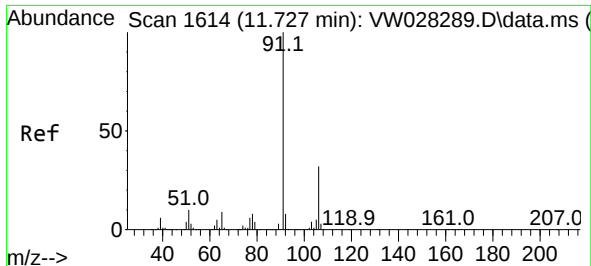
Tgt Ion:107 Resp: 71677  
Ion Ratio Lower Upper  
107 100  
109 91.2 64.4 119.6  
188 3.4 3.4 5.2#



#51  
Chlorobenzene  
Concen: 25.372 ug/L  
RT: 11.654 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion:112 Resp: 258182  
Ion Ratio Lower Upper  
112 100  
114 32.3 21.8 40.6  
77 60.9 50.6 76.0

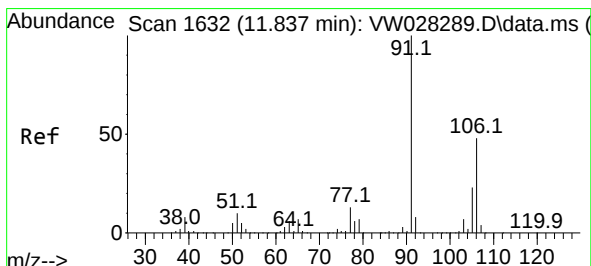
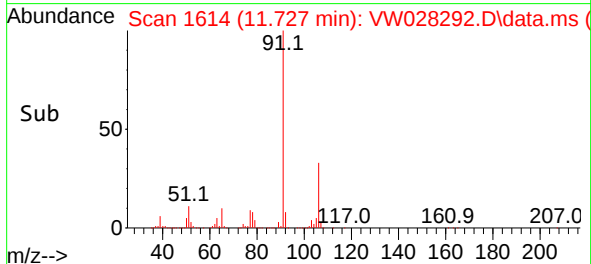
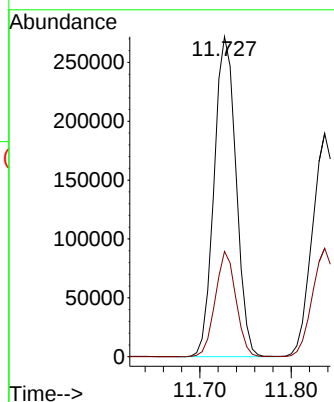
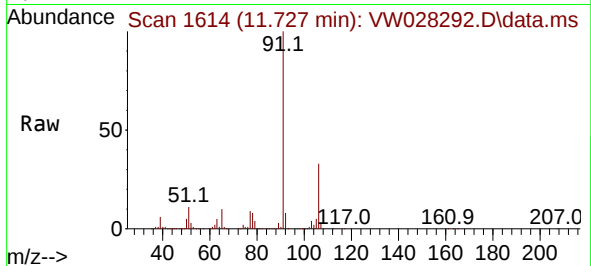




#52  
Ethylbenzene  
Concen: 24.248 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

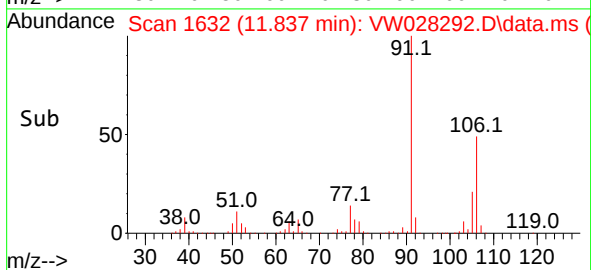
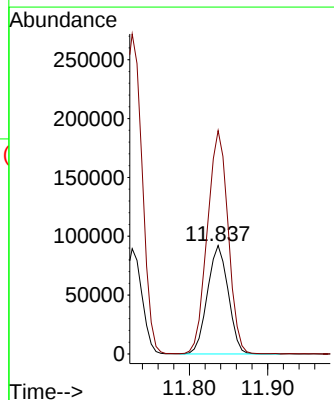
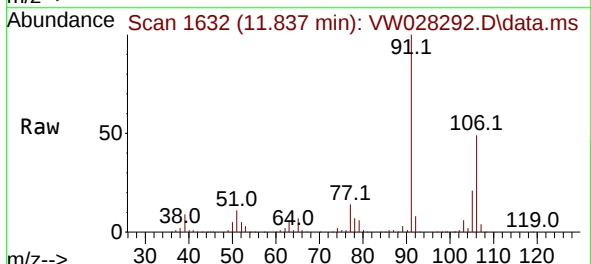
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

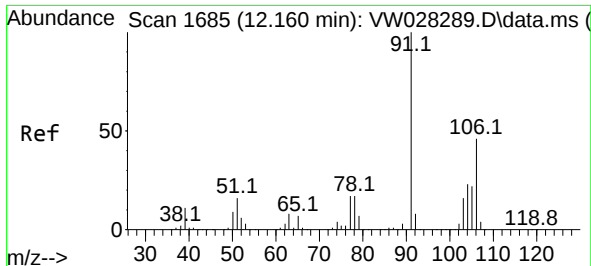
Tgt Ion: 91 Resp: 453805  
Ion Ratio Lower Upper  
91 100  
106 32.9 21.3 39.5



#53  
m,p-Xylene  
Concen: 24.095 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion:106 Resp: 169692  
Ion Ratio Lower Upper  
106 100  
91 205.9 147.1 273.1

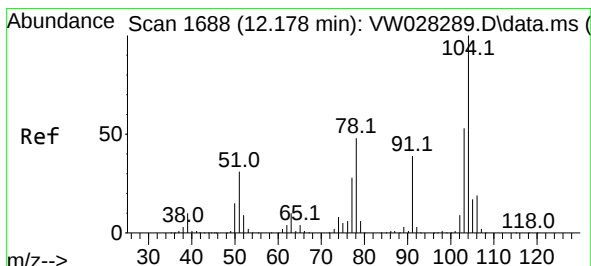
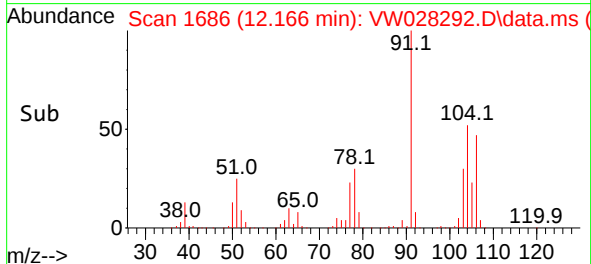
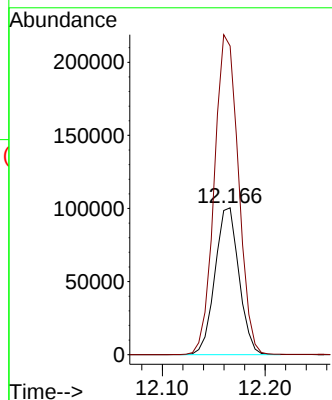
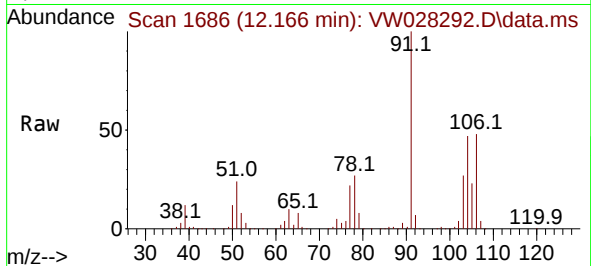




#54  
o-Xylene  
Concen: 24.954 ug/L  
RT: 12.166 min Scan# 1686  
Delta R.T. 0.006 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

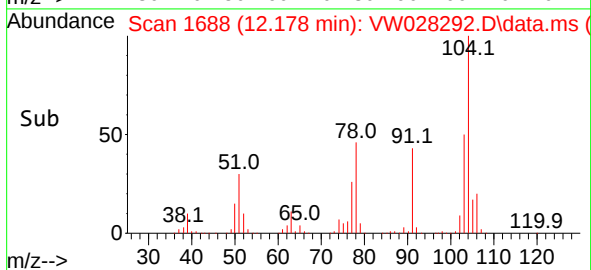
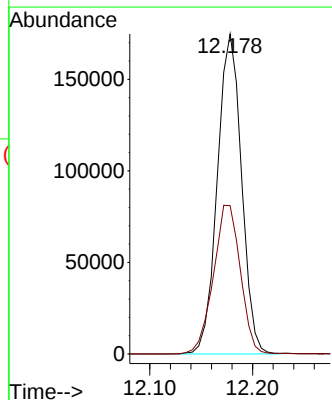
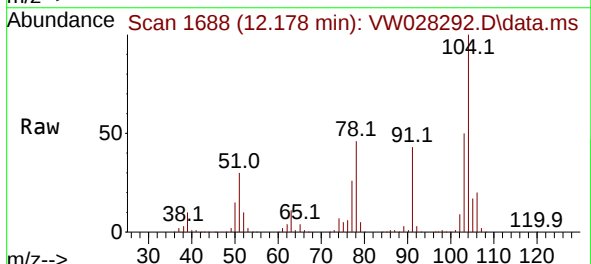
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ClientSampleId :  
E07D6MS

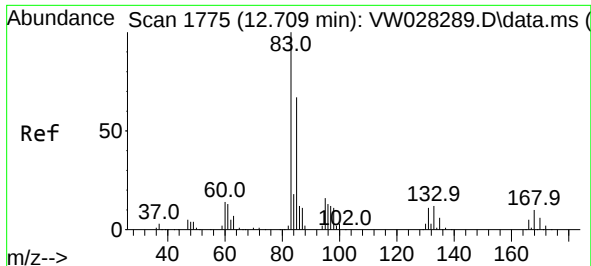
Tgt Ion:106 Resp: 162969  
Ion Ratio Lower Upper  
106 100  
91 210.0 149.2 277.2



#55  
Styrene  
Concen: 25.425 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion:104 Resp: 285221  
Ion Ratio Lower Upper  
104 100  
78 46.4 33.2 61.7





#57

1,1,2,2-Tetrachloroethane

Concen: 27.823 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MS

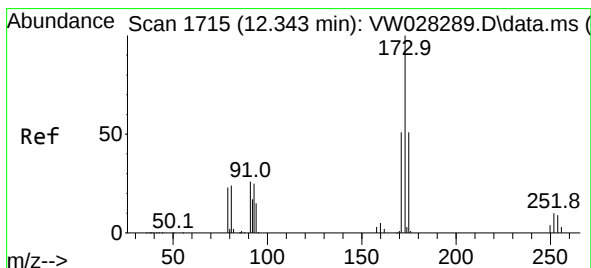
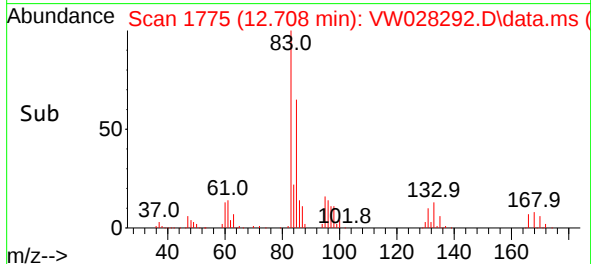
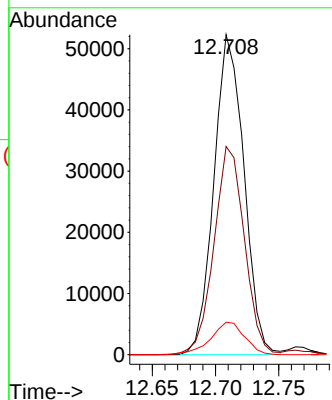
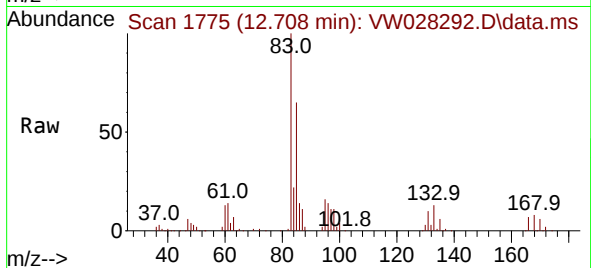
Tgt Ion: 83 Resp: 86392

Ion Ratio Lower Upper

83 100

85 65.1 47.0 87.2

131 10.2 8.9 13.3



#59

Bromoform

Concen: 32.999 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

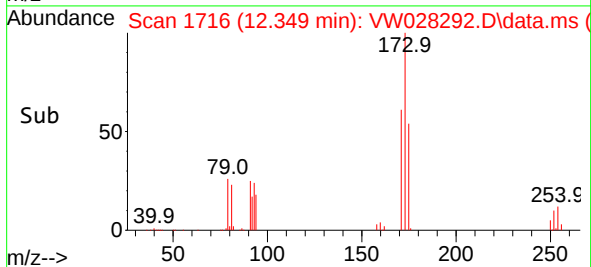
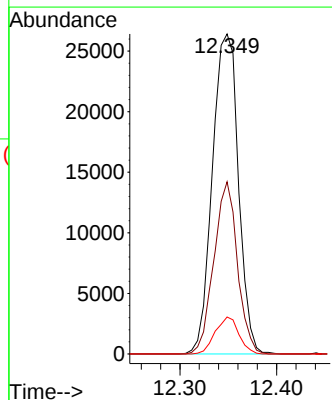
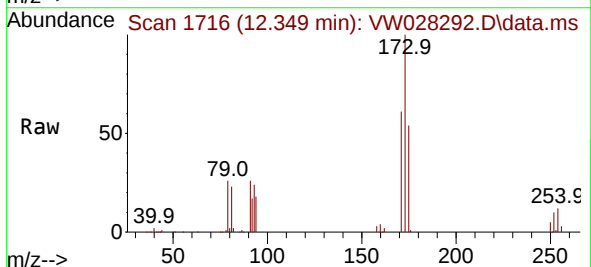
Tgt Ion:173 Resp: 49318

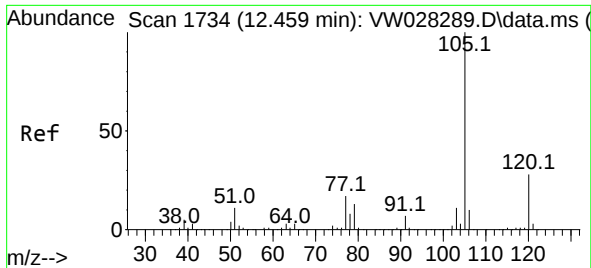
Ion Ratio Lower Upper

173 100

175 48.6 39.8 59.6

254 10.5 8.5 12.7

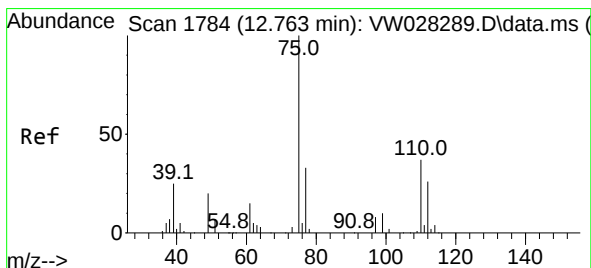
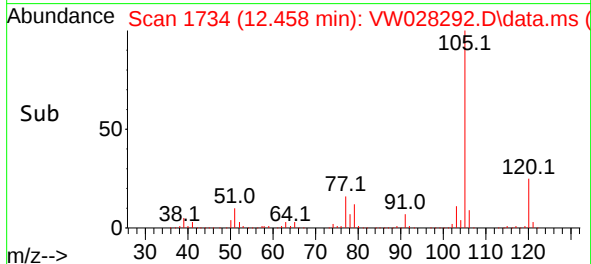
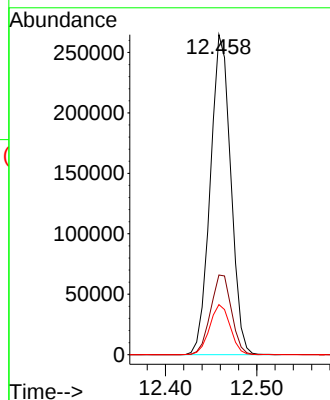
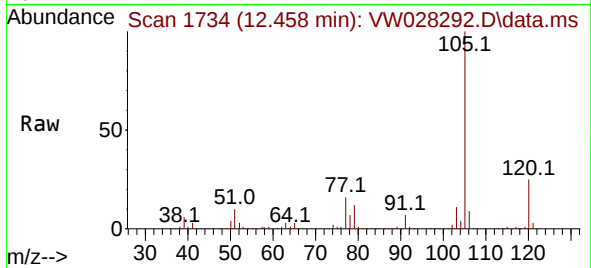




#60  
Isopropylbenzene  
Concen: 27.733 ug/L  
RT: 12.458 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

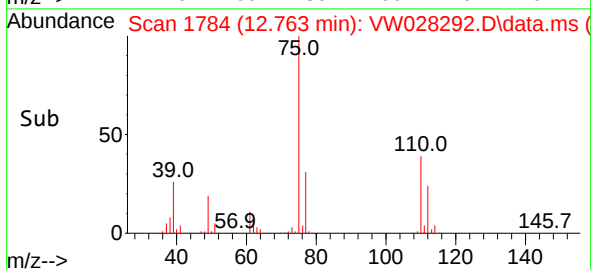
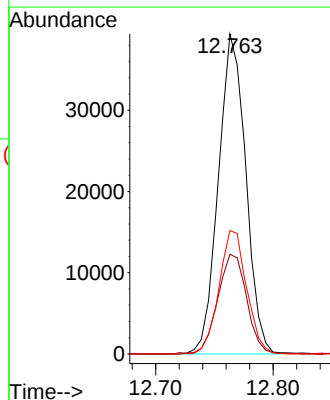
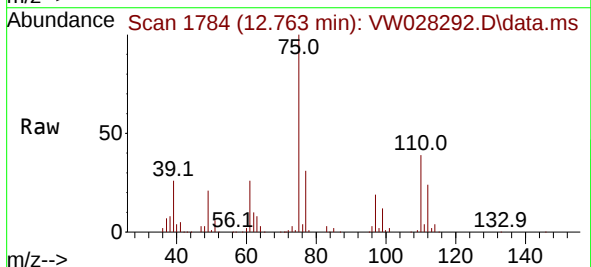
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

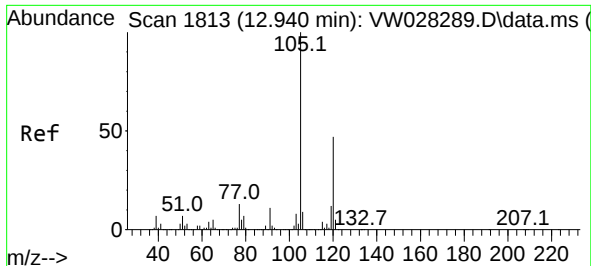
Tgt Ion:105 Resp: 410978  
Ion Ratio Lower Upper  
105 100  
120 25.5 21.0 31.6  
77 15.7 13.7 20.5



#61  
1,2,3-Trichloropropane  
Concen: 33.542 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 75 Resp: 63848  
Ion Ratio Lower Upper  
75 100  
77 32.7 26.0 39.0  
110 38.9 32.2 48.2

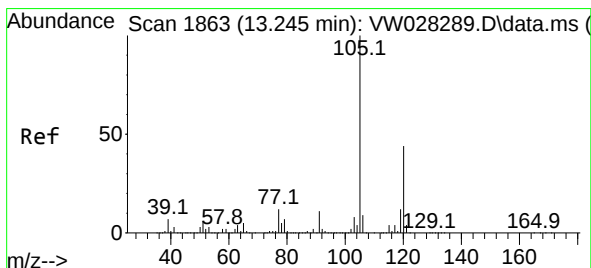
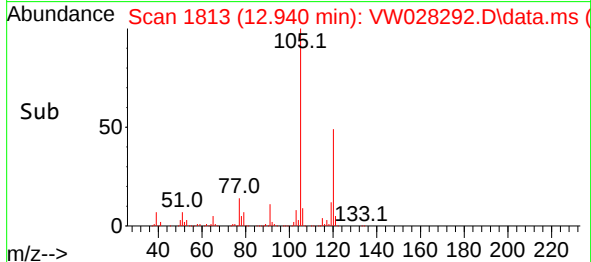
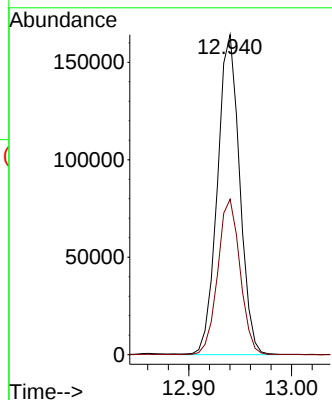
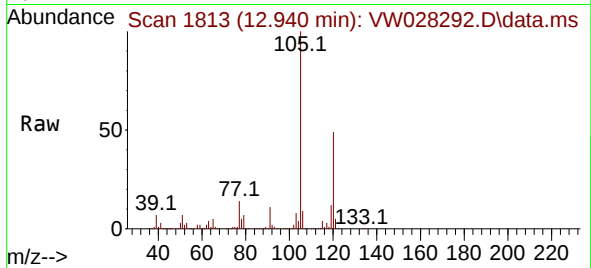




#62  
1,3,5-Trimethylbenzene  
Concen: 24.785 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

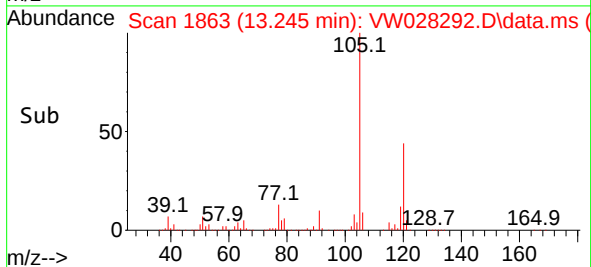
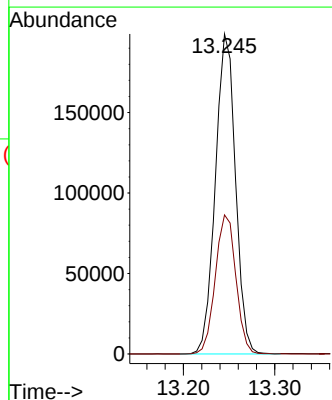
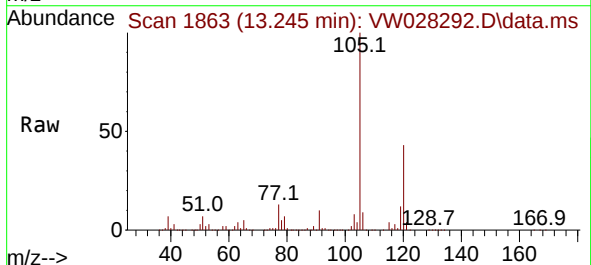
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

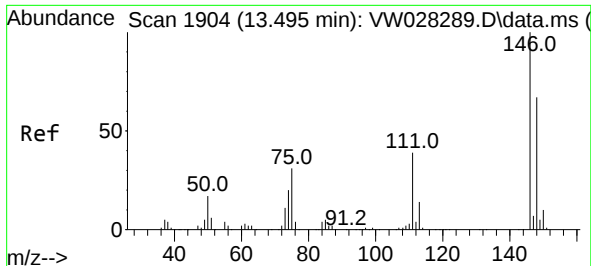
Tgt Ion:105 Resp: 246437  
Ion Ratio Lower Upper  
105 100  
120 48.7 38.2 57.2



#63  
1,2,4-Trimethylbenzene  
Concen: 25.339 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion:105 Resp: 304227  
Ion Ratio Lower Upper  
105 100  
120 44.4 35.6 53.4

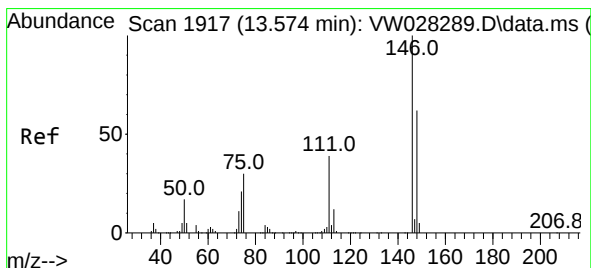
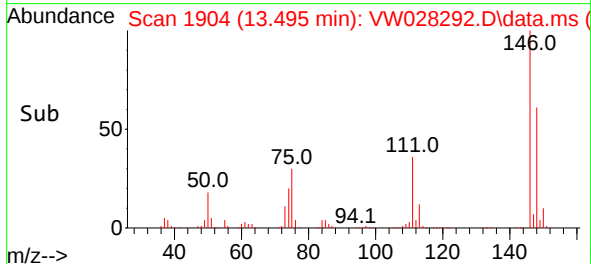
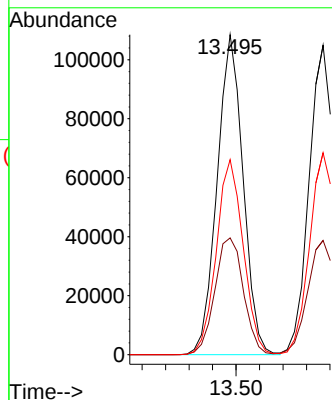
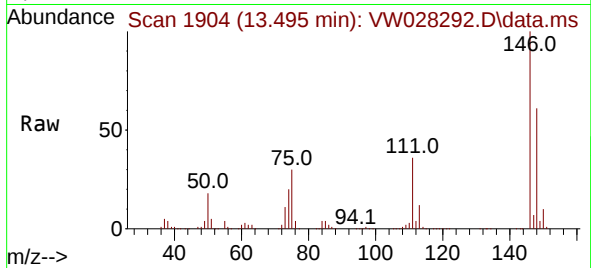




#64  
1,3-Dichlorobenzene  
Concen: 25.249 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

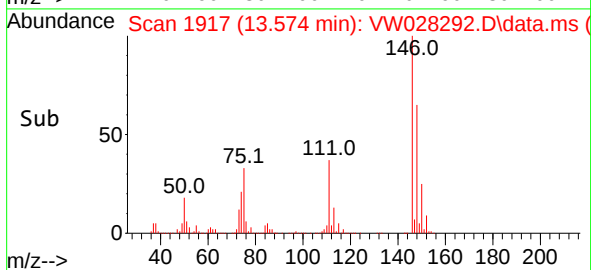
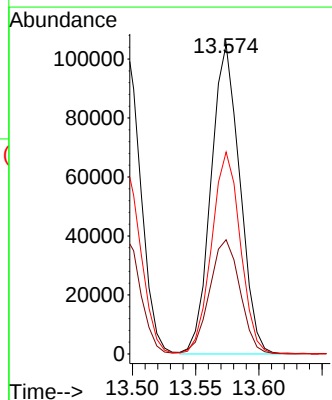
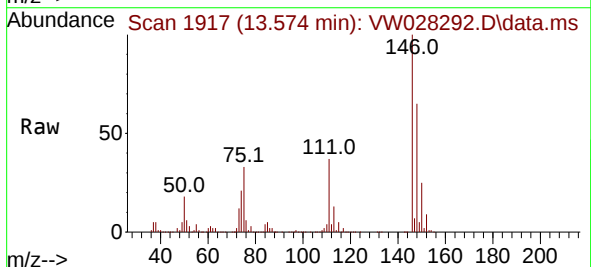
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

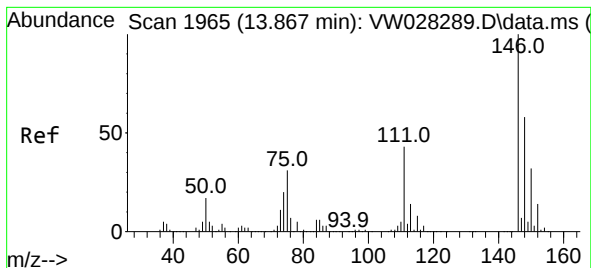
Tgt Ion:146 Resp: 166925  
Ion Ratio Lower Upper  
146 100  
111 36.5 28.5 52.9  
148 61.0 43.0 80.0



#65  
1,4-Dichlorobenzene  
Concen: 25.162 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion:146 Resp: 166344  
Ion Ratio Lower Upper  
146 100  
111 36.9 28.8 53.6  
148 65.3 45.3 84.1

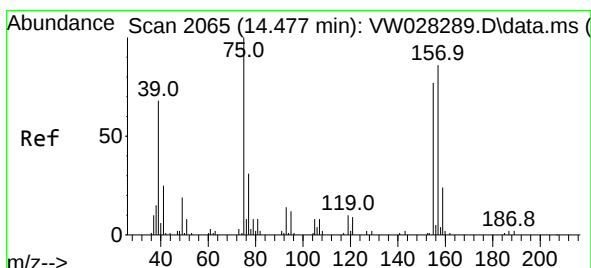
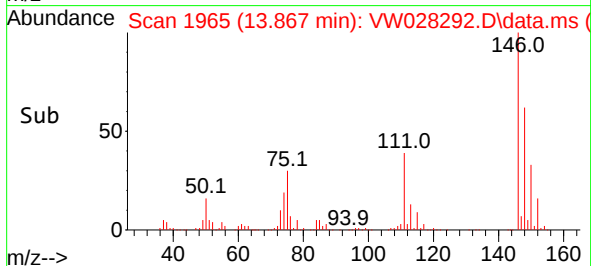
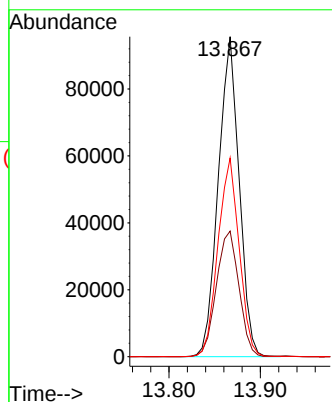
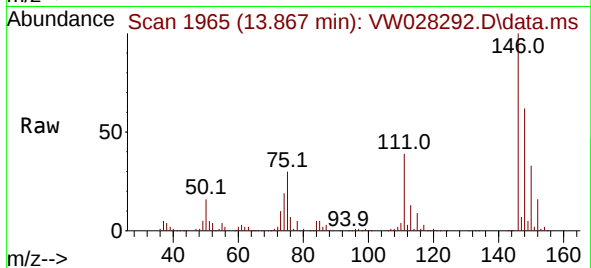




#67  
1,2-Dichlorobenzene  
Concen: 26.646 ug/L  
RT: 13.867 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

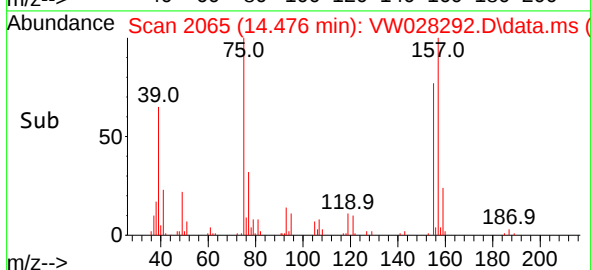
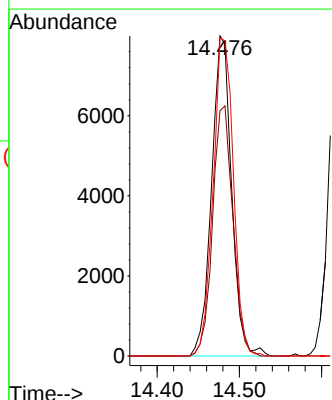
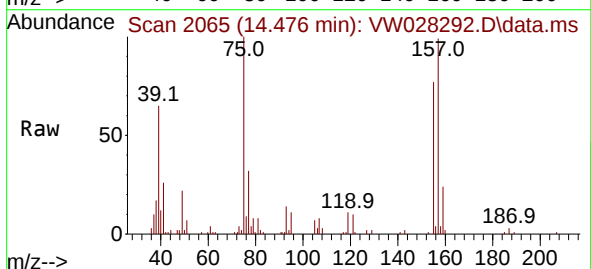
Instrument :  
MSVOA\_W  
ClientSampleId :  
E07D6MS

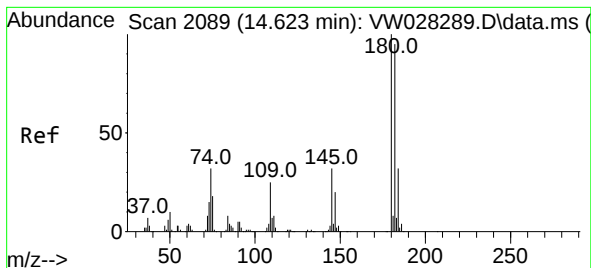
Tgt Ion:146 Resp: 151703  
Ion Ratio Lower Upper  
146 100  
111 39.3 34.2 51.2  
148 62.1 48.1 72.1



#68  
1,2-Dibromo-3-chloropropane  
Concen: 30.142 ug/L  
RT: 14.476 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: VW028292.D  
Acq: 03 Apr 2024 14:46

Tgt Ion: 75 Resp: 13478  
Ion Ratio Lower Upper  
75 100  
155 76.6 61.1 91.7  
157 99.4 74.2 111.4





#69

1,3,5-Trichlorobenzene

Concen: 15.551 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MS

Tgt Ion:180 Resp: 71615

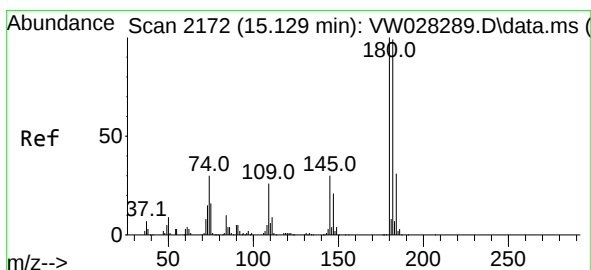
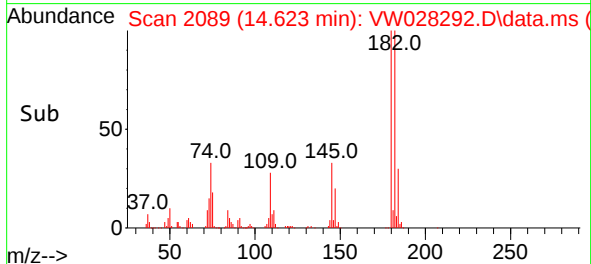
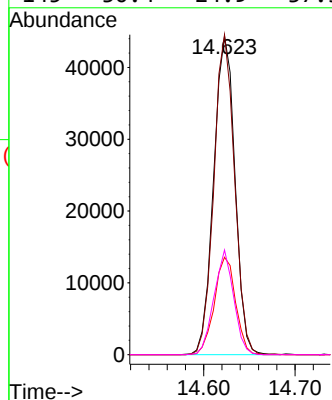
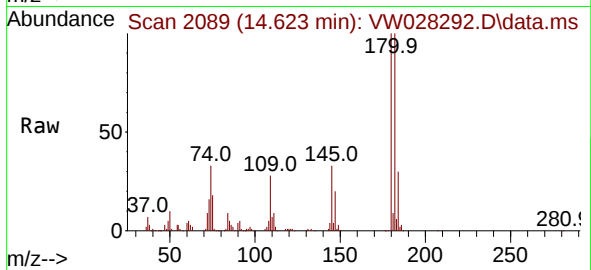
Ion Ratio Lower Upper

180 100

182 97.3 76.6 114.8

184 30.6 23.5 35.3

145 30.4 24.9 37.3



#70

1,2,4-trichlorobenzene

Concen: 14.492 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

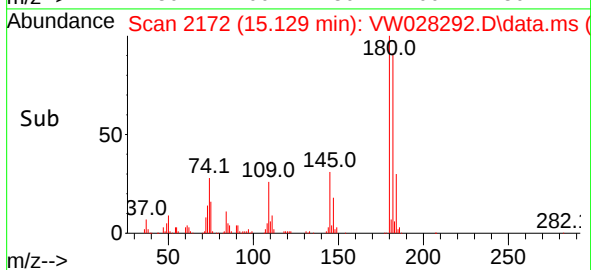
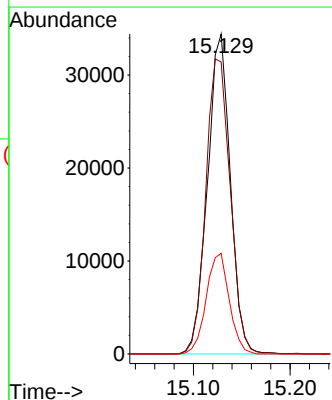
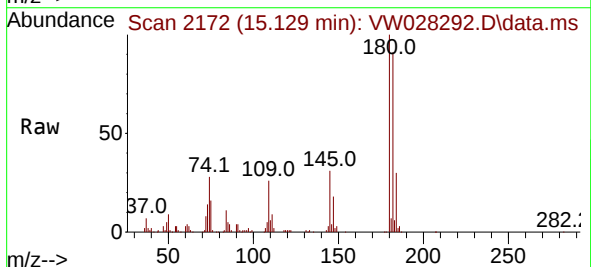
Tgt Ion:180 Resp: 56695

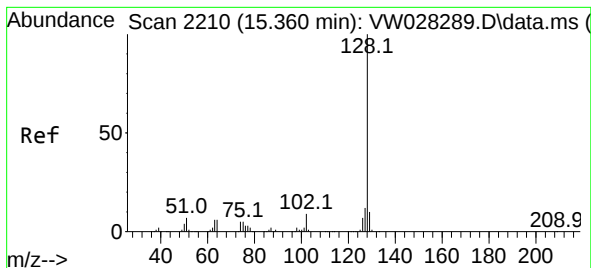
Ion Ratio Lower Upper

180 100

182 98.3 73.8 110.8

145 31.6 25.0 37.6





#71

Naphthalene

Concen: 21.529 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

Instrument :

MSVOA\_W

ClientSampleId :

E07D6MS

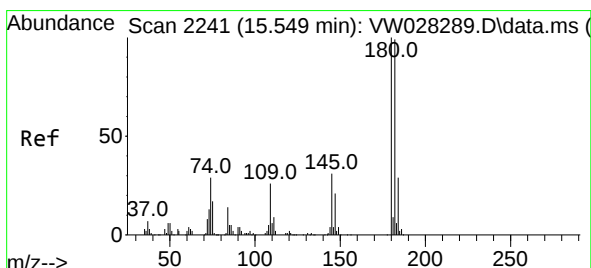
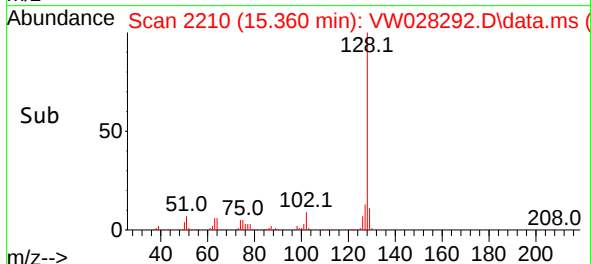
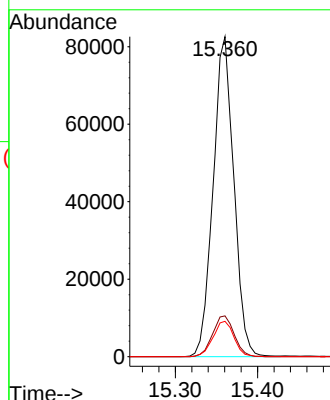
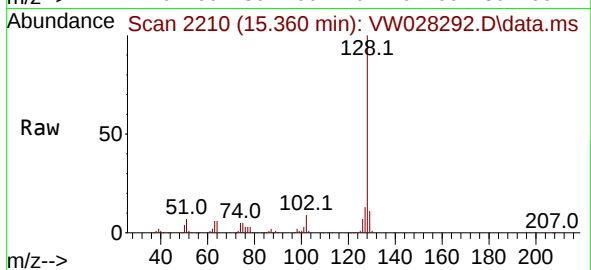
Tgt Ion:128 Resp: 144563

Ion Ratio Lower Upper

128 100

127 13.3 10.9 16.3

129 11.2 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 14.296 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW028292.D

Acq: 03 Apr 2024 14:46

Tgt Ion:180 Resp: 46107

Ion Ratio Lower Upper

180 100

182 92.6 76.0 114.0

145 33.7 27.1 40.7

