

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042123\  
 Data File : VW025619.D  
 Acq On : 21 Apr 2023 08:46  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025575

Quant Time: Apr 22 04:58:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 21 01:47:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 676835   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 601278   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.555 | 152   | 299603   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.362  | 65    | 203125   | 18.442   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 73.760%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 156625   | 19.974   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.880%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 63    | 467222   | 20.976   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.920%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 134028   | 54.548   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.100% |
| 24) Chloroform-d              | 7.648  | 84    | 437347   | 23.014   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.040%  |
| 26) 1,2-Dichloroethane-d4     | 8.306  | 65    | 228563   | 23.118   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 92.480%  |
| 32) Benzene-d6                | 8.276  | 84    | 859282   | 22.070   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 88.280%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 272625   | 22.458   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 89.840%  |
| 41) Toluene-d8                | 10.324 | 98    | 754030   | 22.171   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 88.680%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 103967   | 22.843   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.360%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 92566    | 55.786   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 111.580% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 208065   | 25.394   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 101.560% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 235242   | 22.855   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 91.440%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 229500   | 24.247   | ug/L   | 95       |
| 3) Chloromethane              | 2.222  | 50    | 273258   | 24.885   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 298260   | 24.570   | ug/L   | 96       |
| 6) Bromomethane               | 2.789  | 94    | 155932   | 23.879   | ug/L   | 96       |
| 8) Chloroethane               | 2.929  | 64    | 166627   | 24.509   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 234653   | 25.091   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.075  | 101   | 236506   | 25.201   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 232011   | 24.699   | ug/L   | 92       |
| 13) Acetone                   | 4.118  | 43    | 132835   | 63.877   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.392  | 76    | 735247   | 22.185   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 125422   | 26.845   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 256918   | 23.881   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 240386   | 24.070   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 354829   | 25.745   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.215  | 63    | 507871   | 25.453   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.166  | 96    | 262240   | 25.237   | ug/L   | 100      |
| 22) 2-Butanone                | 7.166  | 43    | 174855   | 59.147   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.514  | 128   | 107236   | 25.165   | ug/L   | 89       |
| 25) Chloroform                | 7.678  | 83    | 468111   | 25.654   | ug/L   | 100      |

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 Sample : VSTDCCC025  
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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 21 01:47:12 2023  
 Response via : Initial Calibration

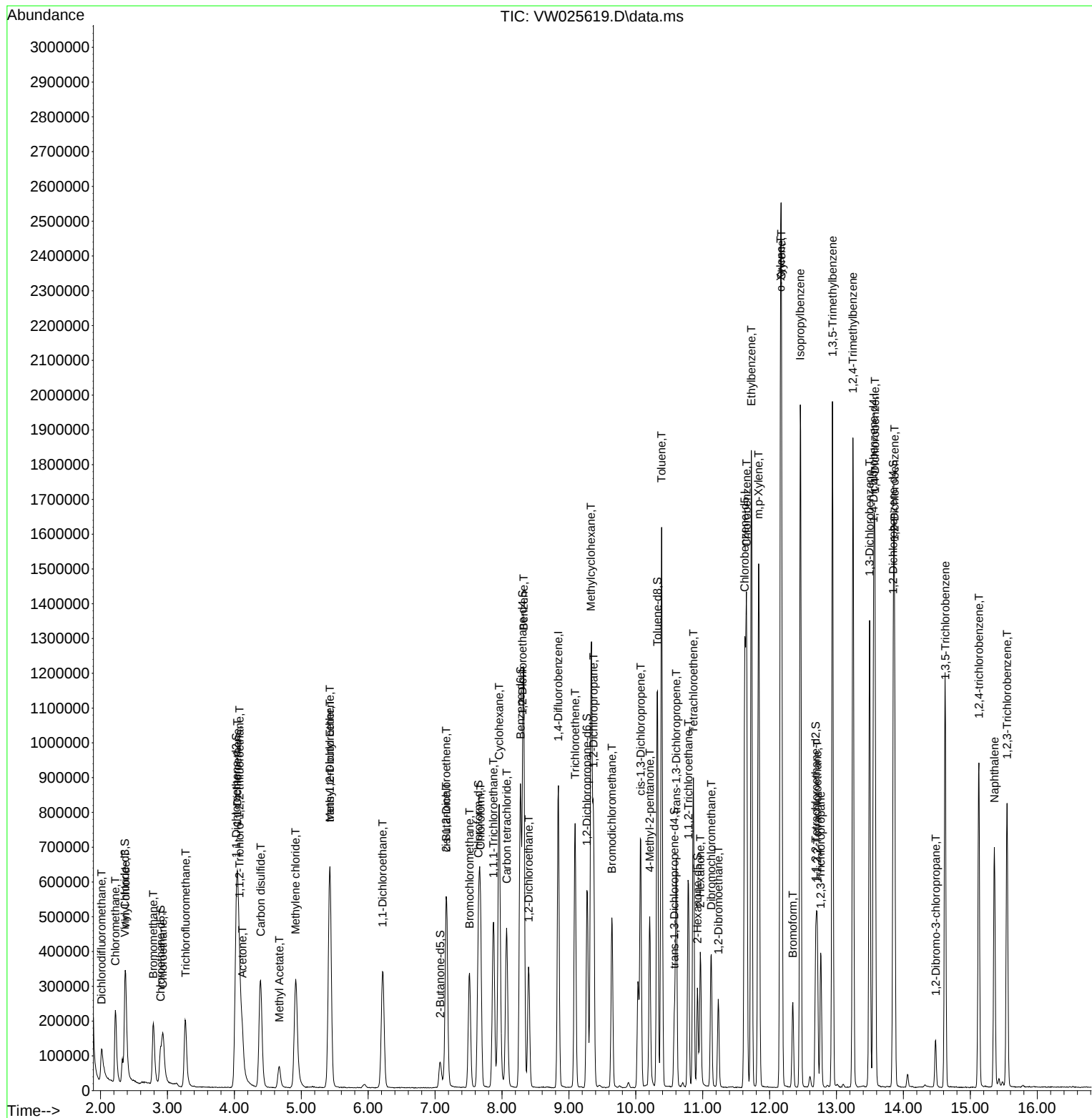
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 315826   | 25.793 | ug/L   | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 482920   | 24.814 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 382559   | 25.606 | ug/L   | 100      |
| 31) Carbon tetrachloride      | 8.069  | 117  | 345693   | 25.622 | ug/L   | 100      |
| 33) Benzene                   | 8.325  | 78   | 1051039  | 25.114 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 267004   | 24.527 | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.331  | 83   | 481152   | 24.477 | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 284535   | 25.743 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 322847   | 25.529 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.074 | 75   | 410479   | 25.890 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.208 | 43   | 346613   | 55.403 | ug/L   | 100      |
| 42) Toluene                   | 10.385 | 91   | 1099811  | 25.807 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 340076   | 26.012 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 183366   | 26.018 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 184402   | 24.085 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.964 | 43   | 260384   | 60.237 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.129 | 129  | 196087   | 26.426 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 167098   | 25.805 | ug/L # | 97       |
| 51) Chlorobenzene             | 11.653 | 112  | 657136   | 25.024 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 1240371  | 25.720 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 456994   | 25.840 | ug/L   | 97       |
| 54) o-Xylene                  | 12.165 | 106  | 434850   | 26.283 | ug/L   | 91       |
| 55) Styrene                   | 12.178 | 104  | 749358   | 26.909 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 224289   | 26.569 | ug/L   | 99       |
| 59) Bromoform                 | 12.348 | 173  | 108827   | 26.508 | ug/L   | 96       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1228801  | 26.183 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 162703   | 26.202 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 969161   | 26.159 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 956607   | 26.815 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.494 | 146  | 505978   | 26.016 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 501235   | 25.236 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 442026   | 25.925 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 34895    | 25.618 | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.628 | 180  | 336018   | 25.805 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.128 | 180  | 270134   | 25.538 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 560188   | 28.382 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 242679   | 26.241 | ug/L   | 92       |

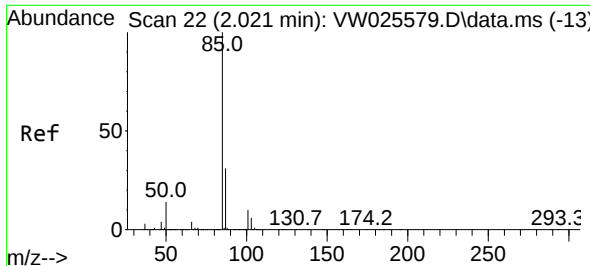
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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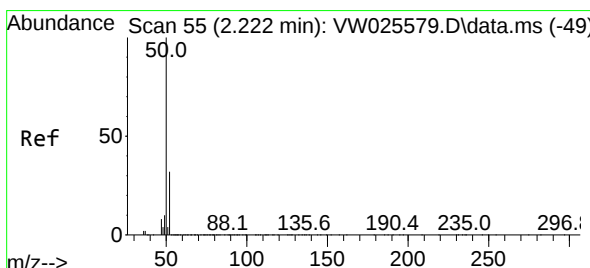
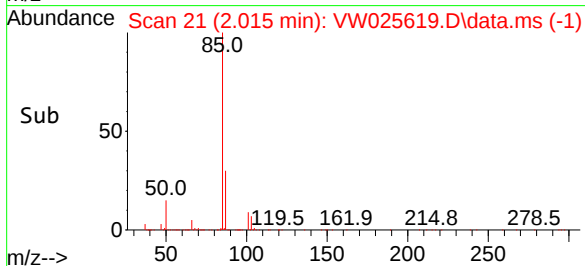
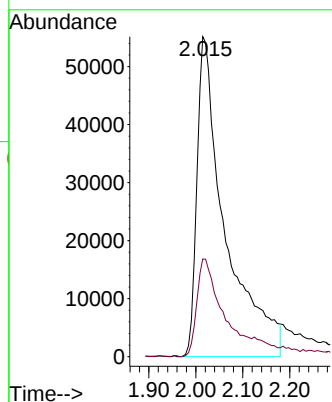
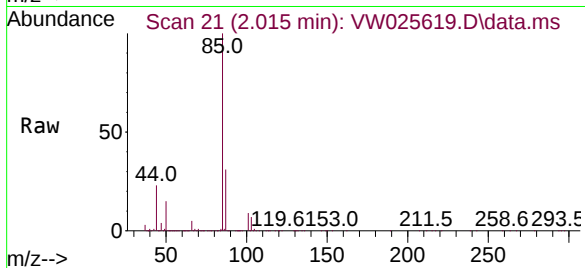




#2  
Dichlorodifluoromethane  
Concen: 24.247 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

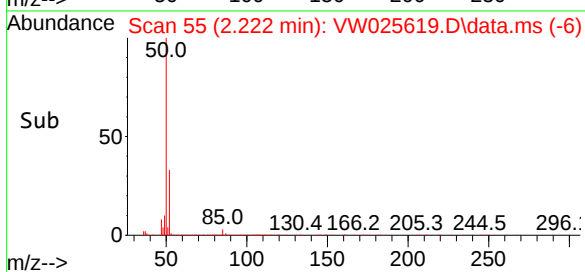
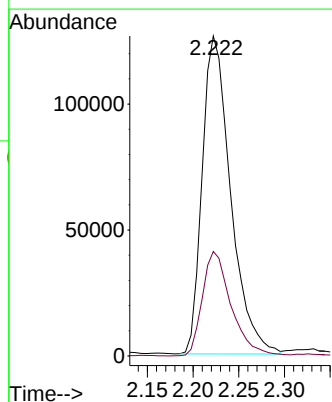
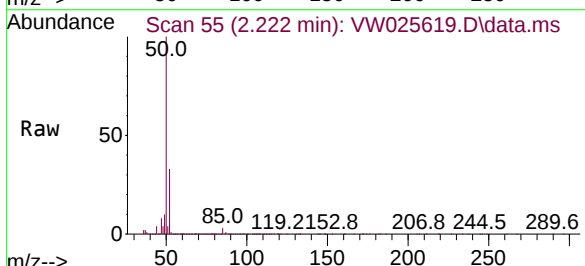
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

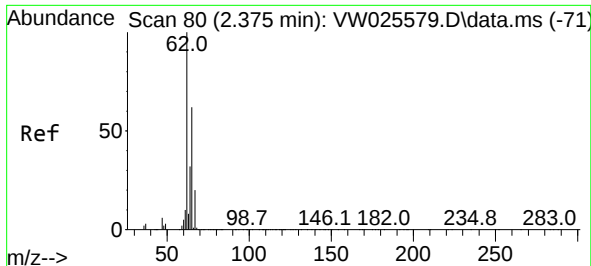
Tgt Ion: 85 Resp: 229500  
Ion Ratio Lower Upper  
85 100  
87 28.0 24.6 37.0



#3  
Chloromethane  
Concen: 24.885 ug/L  
RT: 2.222 min Scan# 55  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion: 50 Resp: 273258  
Ion Ratio Lower Upper  
50 100  
52 32.6 22.2 41.2

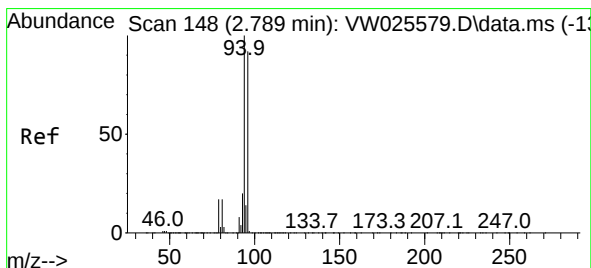
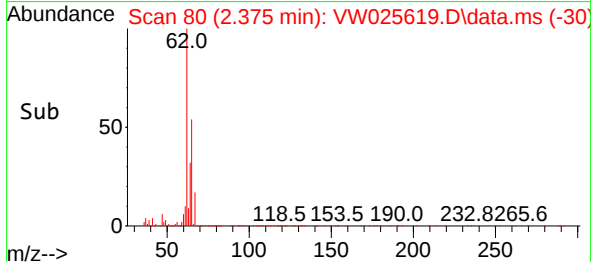
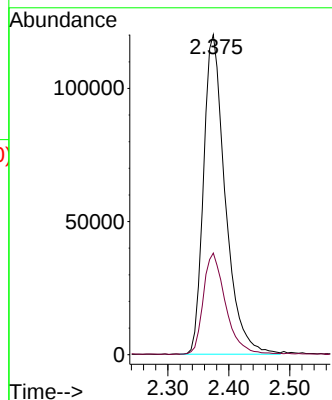
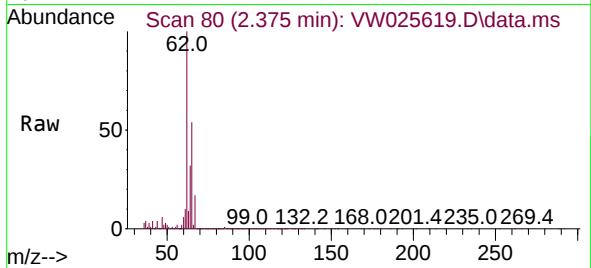




#5  
 Vinyl chloride  
 Concen: 24.570 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. 0.006 min  
 Lab File: VW025619.D  
 Acq: 21 Apr 2023 08:46

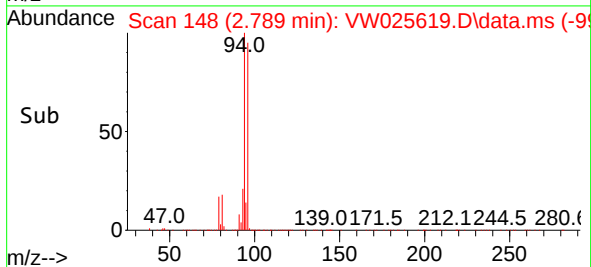
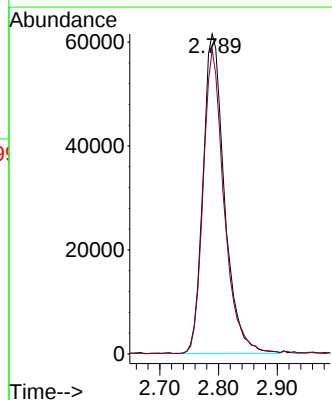
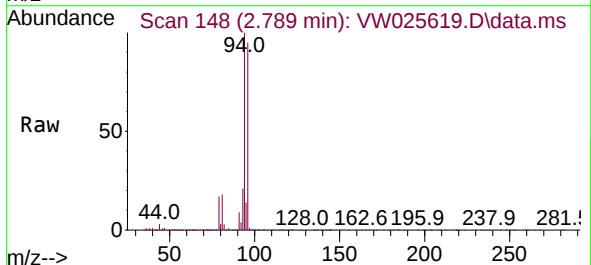
Instrument :  
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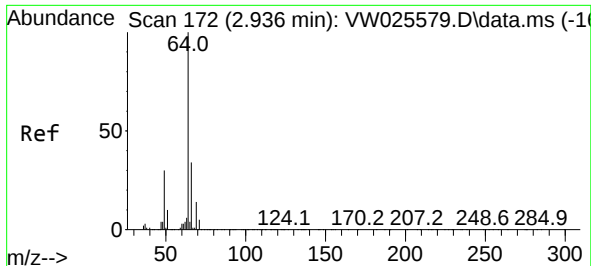
Tgt Ion: 62 Resp: 298260  
 Ion Ratio Lower Upper  
 62 100  
 64 31.7 23.9 44.3



#6  
 Bromomethane  
 Concen: 23.879 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.000 min  
 Lab File: VW025619.D  
 Acq: 21 Apr 2023 08:46

Tgt Ion: 94 Resp: 155932  
 Ion Ratio Lower Upper  
 94 100  
 96 95.1 64.0 118.8

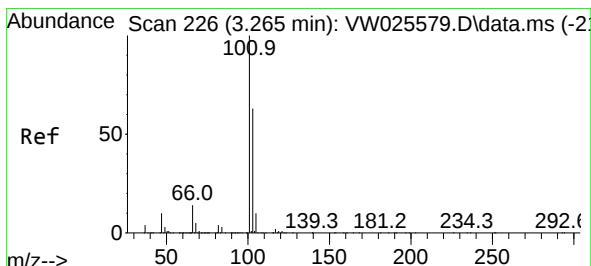
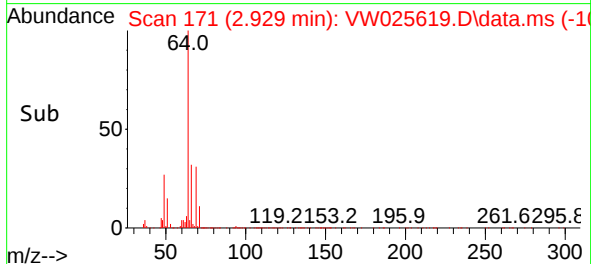
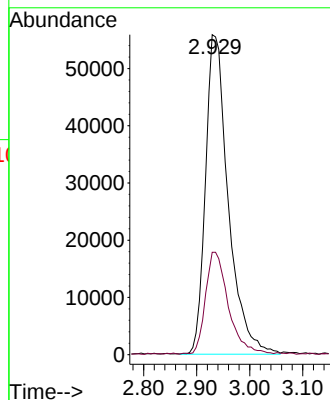
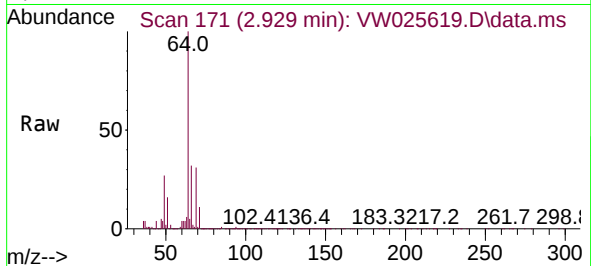




#8  
Chloroethane  
Concen: 24.509 ug/L  
RT: 2.929 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

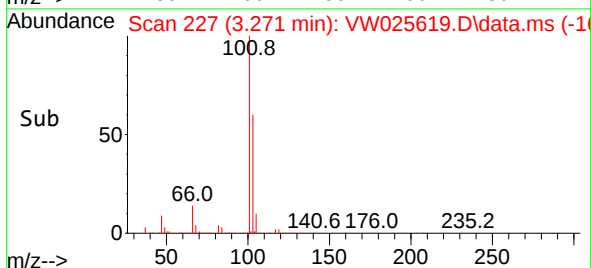
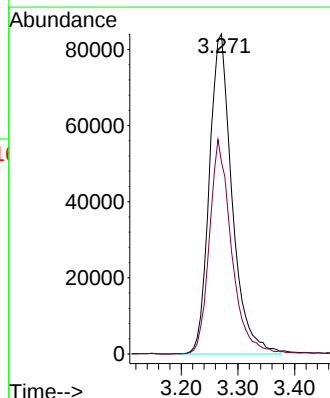
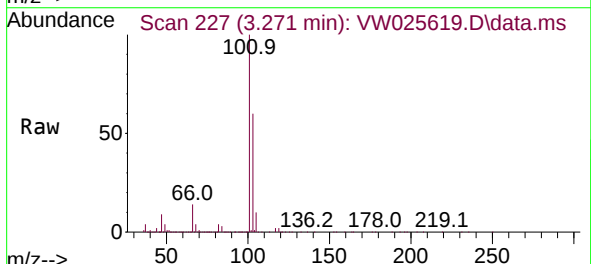
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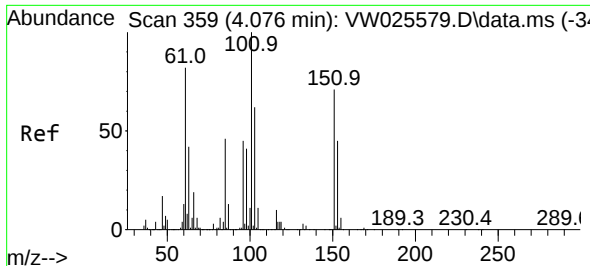
Tgt Ion: 64 Resp: 166627  
Ion Ratio Lower Upper  
64 100  
66 32.0 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 25.091 ug/L  
RT: 3.271 min Scan# 227  
Delta R.T. 0.006 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion: 101 Resp: 234653  
Ion Ratio Lower Upper  
101 100  
103 64.6 52.3 78.5

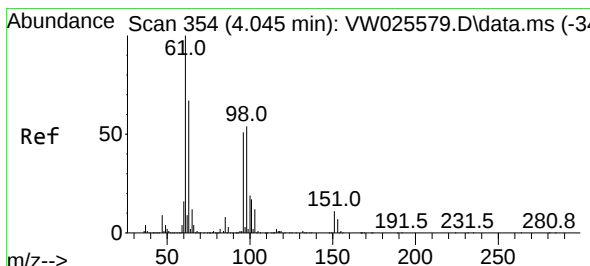
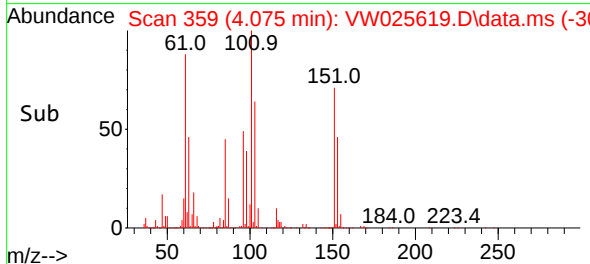
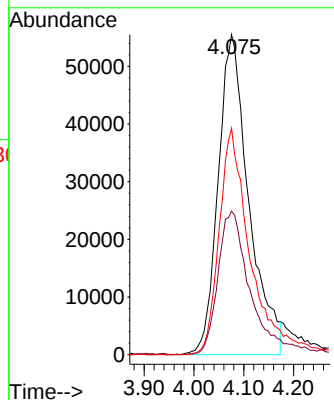
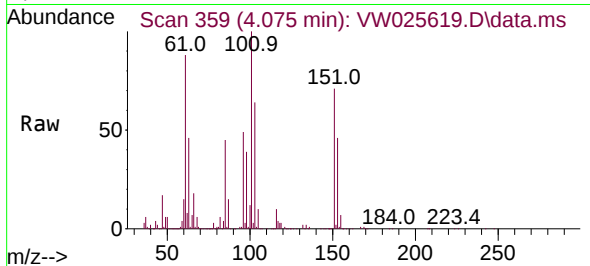




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 25.201 ug/L  
 RT: 4.075 min Scan# 359  
 Delta R.T. 0.006 min  
 Lab File: VW025619.D  
 Acq: 21 Apr 2023 08:46

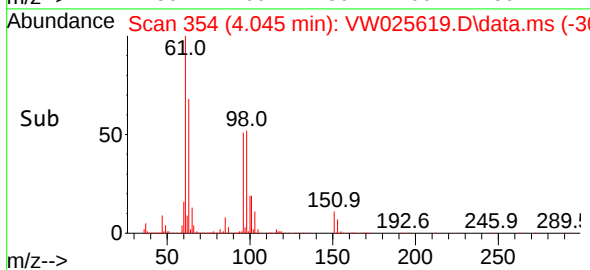
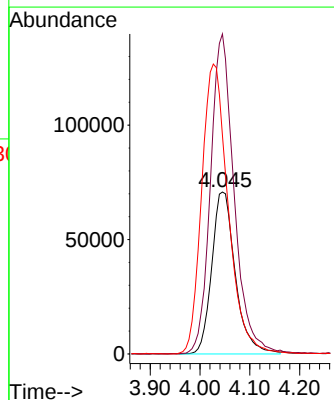
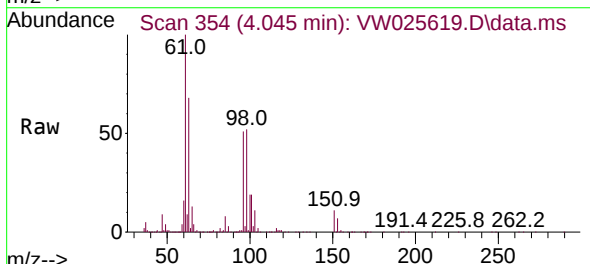
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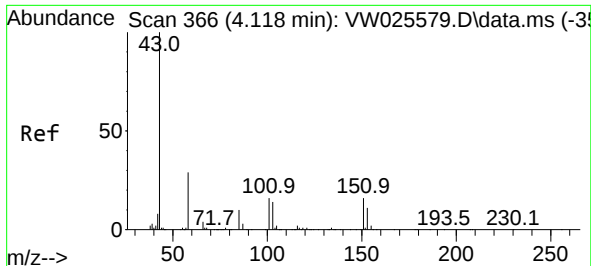
Tgt Ion:101 Resp: 236506  
 Ion Ratio Lower Upper  
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 85 45.4 34.5 51.7  
 151 72.4 54.8 82.2



#12  
 1,1-Dichloroethene  
 Concen: 24.699 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.006 min  
 Lab File: VW025619.D  
 Acq: 21 Apr 2023 08:46

Tgt Ion: 96 Resp: 232011  
 Ion Ratio Lower Upper  
 96 100  
 61 197.7 132.7 246.4  
 63 135.1 105.0 195.0

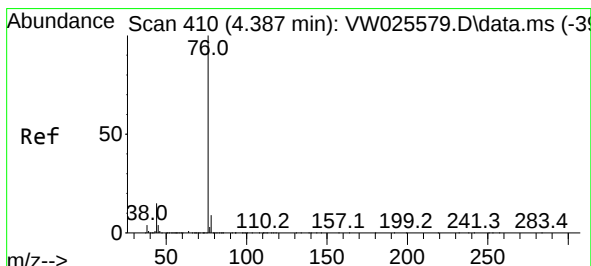
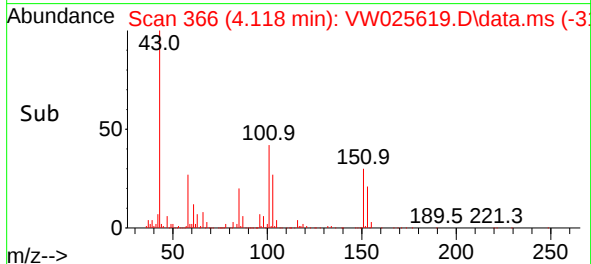
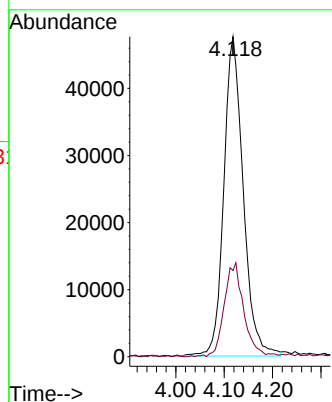
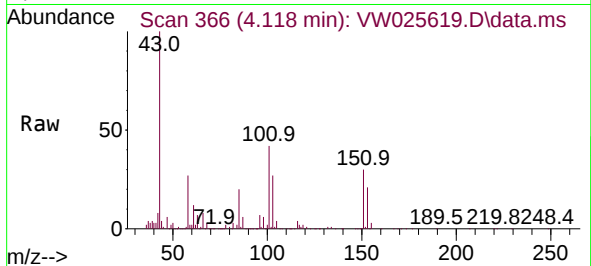




#13  
Acetone  
Concen: 63.877 ug/L  
RT: 4.118 min Scan# 366  
Delta R.T. -0.006 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

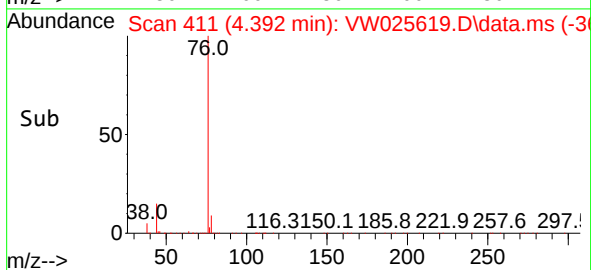
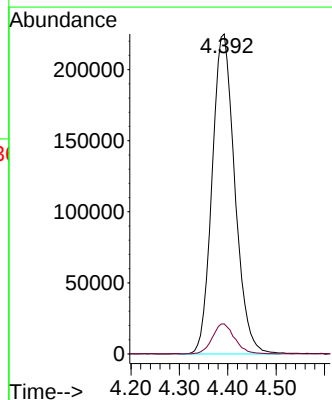
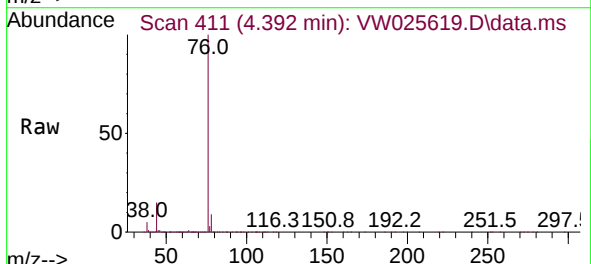
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

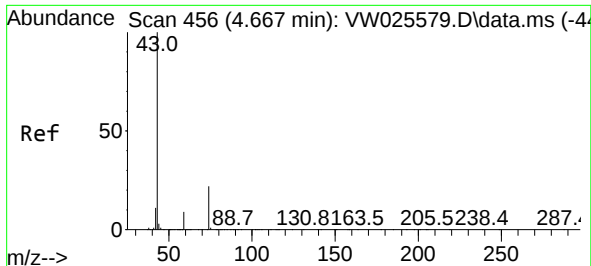
Tgt Ion: 43 Resp: 132835  
Ion Ratio Lower Upper  
43 100  
58 29.0 0.0 57.4



#14  
Carbon disulfide  
Concen: 22.185 ug/L  
RT: 4.392 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion: 76 Resp: 735247  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.1 10.7

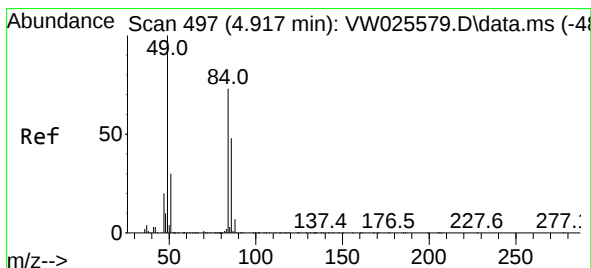
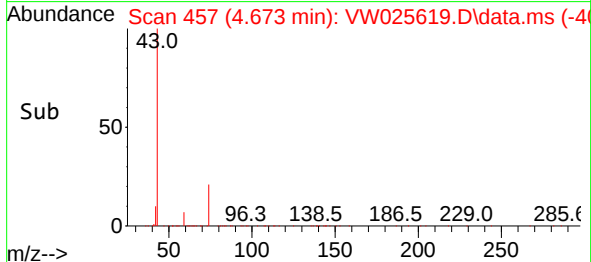
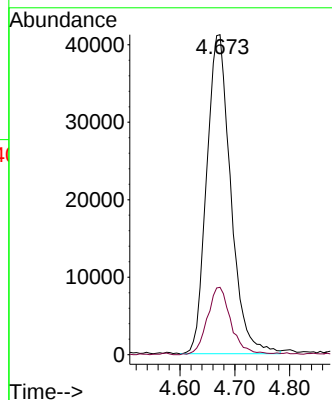
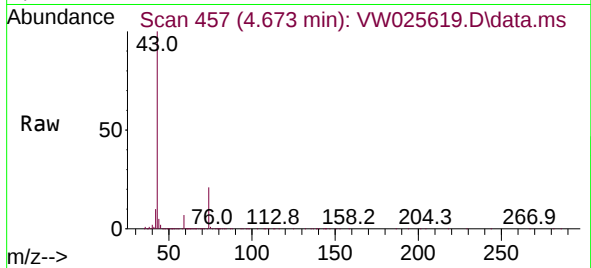




#15  
Methyl Acetate  
Concen: 26.845 ug/L  
RT: 4.673 min Scan# 456  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

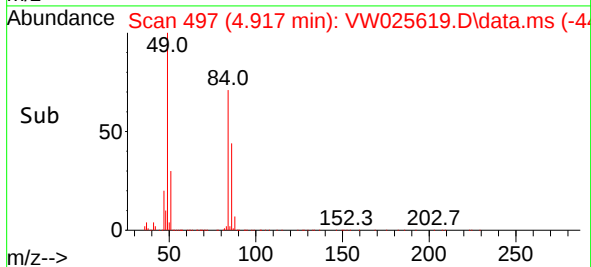
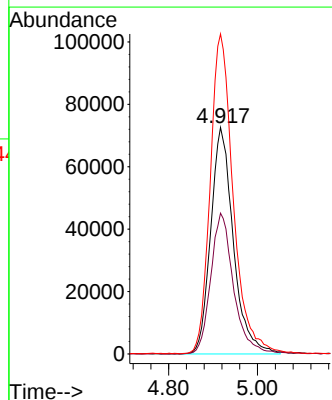
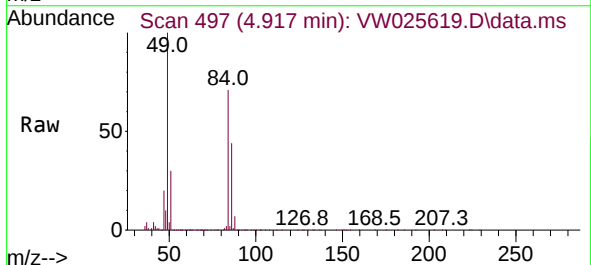
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

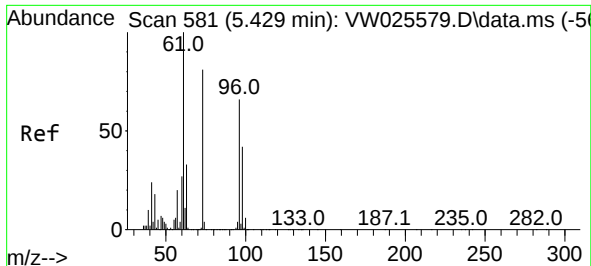
Tgt Ion: 43 Resp: 125422  
Ion Ratio Lower Upper  
43 100  
74 20.4 17.0 25.4



#16  
Methylene chloride  
Concen: 23.881 ug/L  
RT: 4.917 min Scan# 497  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion: 84 Resp: 256918  
Ion Ratio Lower Upper  
84 100  
86 62.1 44.9 83.3  
49 141.2 101.4 188.4

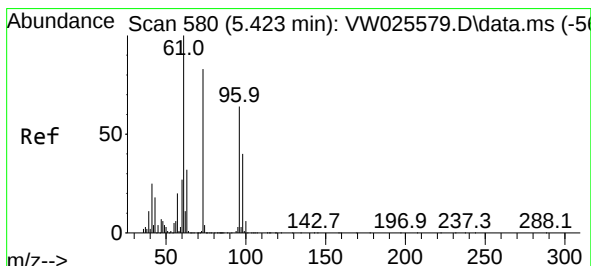
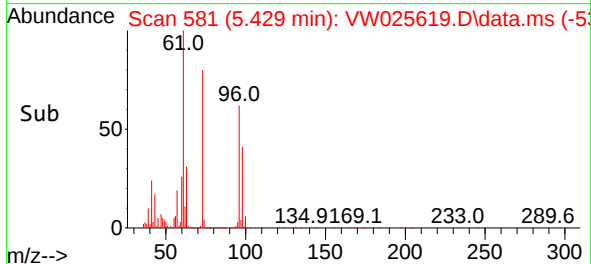
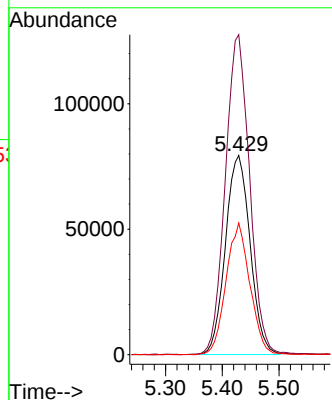
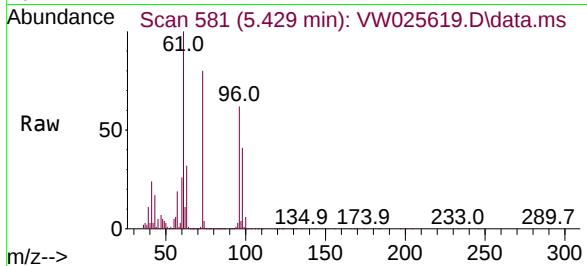




#17  
trans-1,2-Dichloroethene  
Concen: 24.070 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

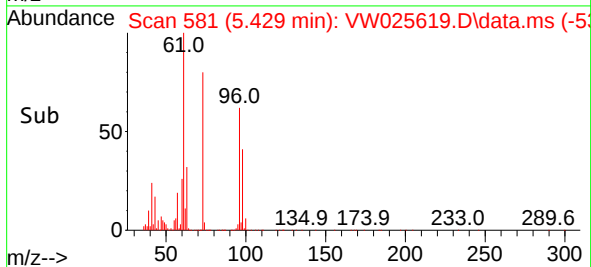
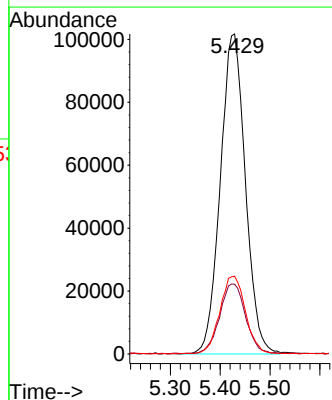
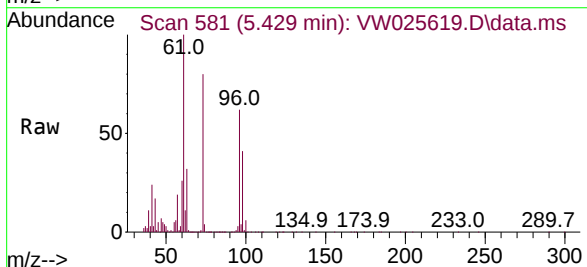
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

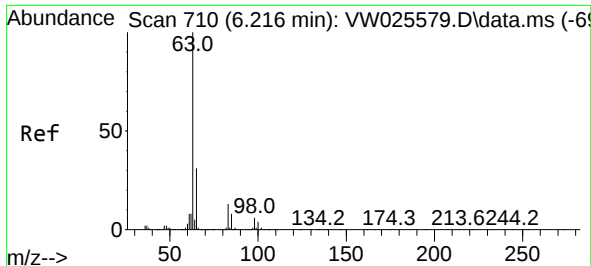
Tgt Ion: 96 Resp: 240386  
Ion Ratio Lower Upper  
96 100  
61 160.6 113.3 210.3  
98 66.1 43.6 81.0



#18  
Methyl tert-butyl Ether  
Concen: 25.745 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion: 73 Resp: 354829  
Ion Ratio Lower Upper  
73 100  
43 22.4 17.8 26.6  
57 24.8 19.0 28.6





#19

1,1-Dichloroethane

Concen: 25.453 ug/L

RT: 6.215 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025575

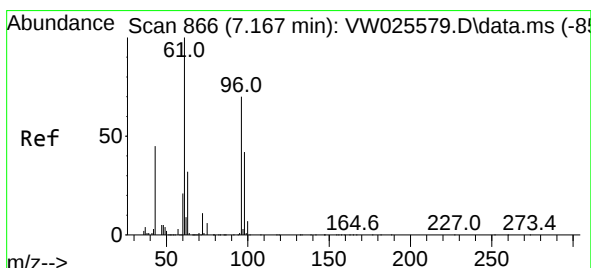
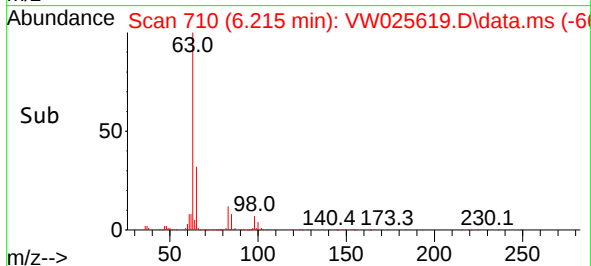
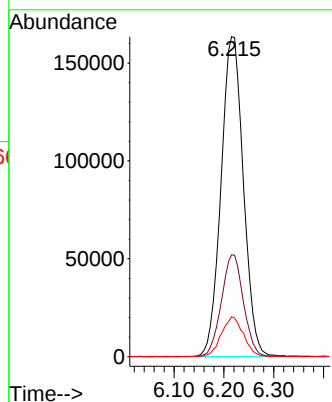
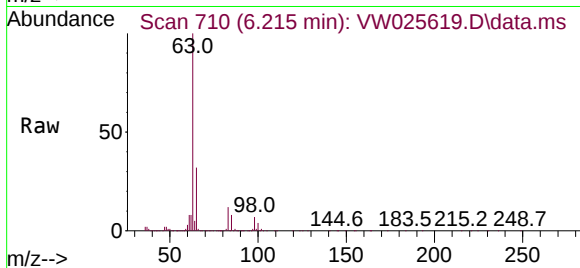
Tgt Ion: 63 Resp: 507871

Ion Ratio Lower Upper

63 100

65 31.9 21.9 40.7

83 12.5 9.0 16.8



#20

cis-1,2-Dichloroethene

Concen: 25.237 ug/L

RT: 7.166 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

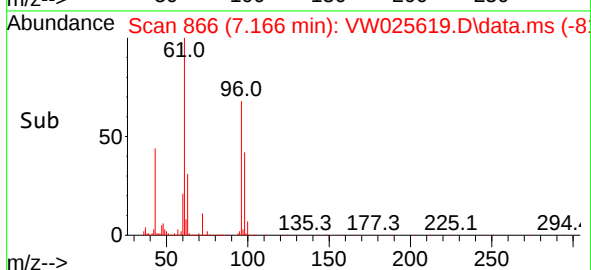
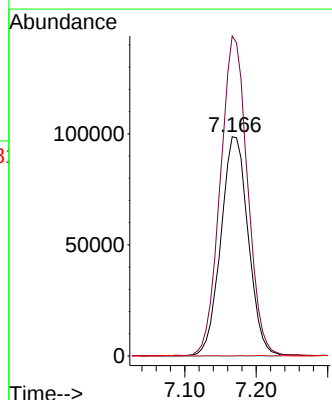
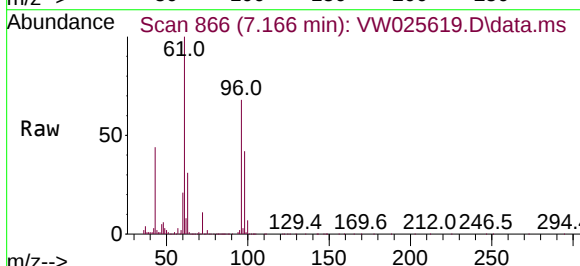
Tgt Ion: 96 Resp: 262240

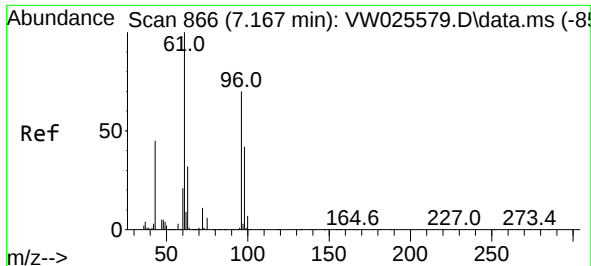
Ion Ratio Lower Upper

96 100

61 146.0 102.6 190.6

68 0.1 0.1 0.1

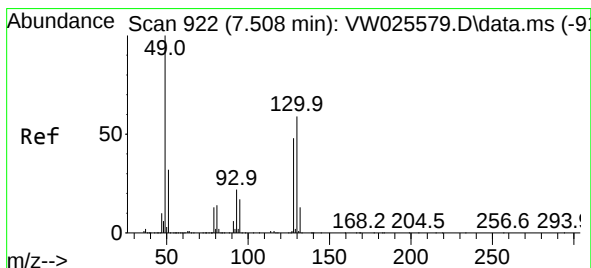
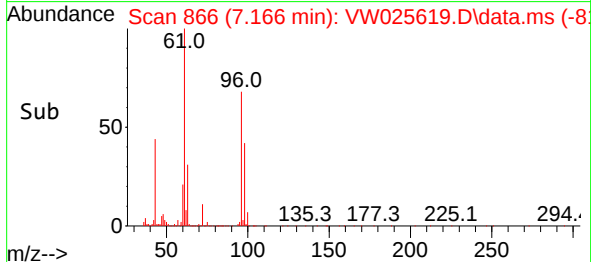
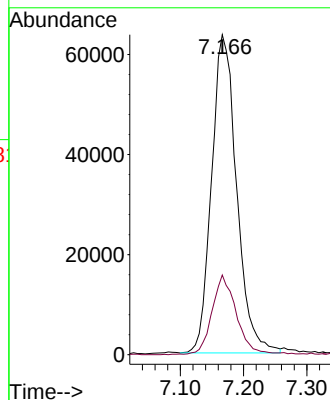
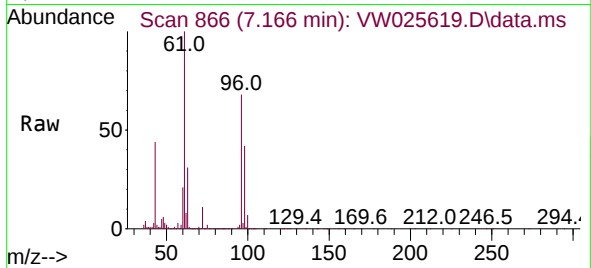




#22  
2-Butanone  
Concen: 59.147 ug/L  
RT: 7.166 min Scan# 866  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

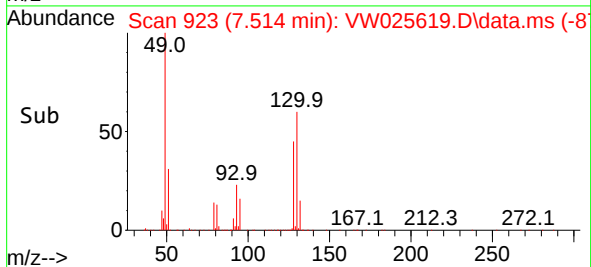
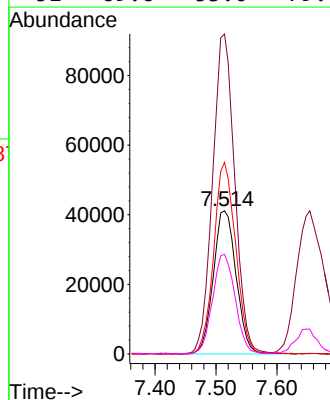
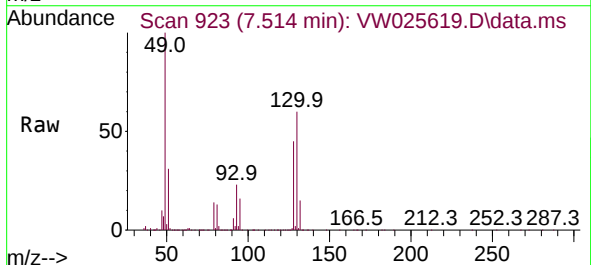
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

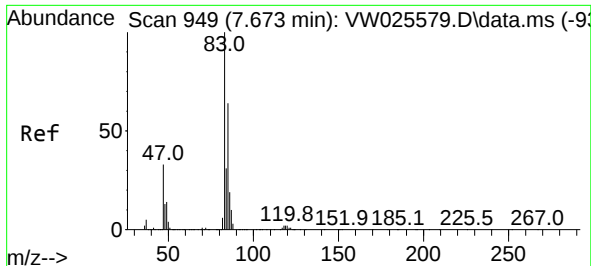
Tgt Ion: 43 Resp: 174855  
Ion Ratio Lower Upper  
43 100  
72 23.8 12.0 36.0



#23  
Bromochloromethane  
Concen: 25.165 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion:128 Resp: 107236  
Ion Ratio Lower Upper  
128 100  
49 223.4 141.7 263.3  
130 133.7 86.7 160.9  
51 69.6 53.0 79.6





#25

Chloroform

Concen: 25.654 ug/L

RT: 7.678 min Scan# 949

Delta R.T. 0.006 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

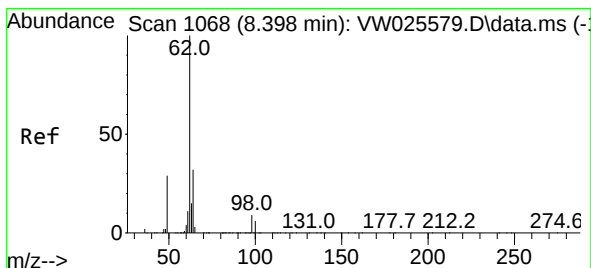
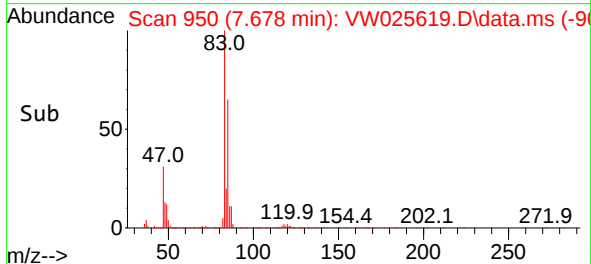
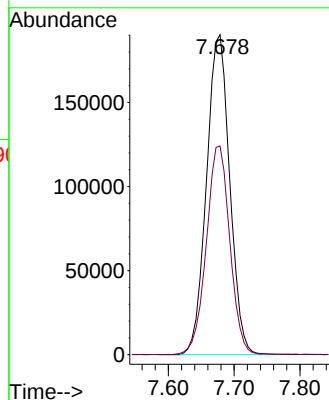
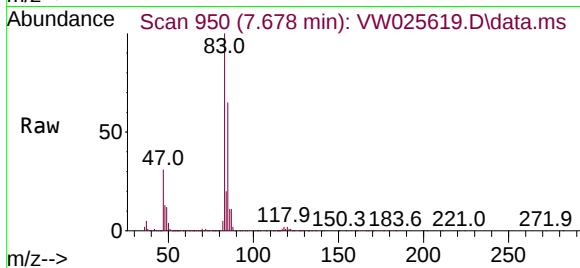
VSTD025575

Tgt Ion: 83 Resp: 468111

Ion Ratio Lower Upper

83 100

85 65.2 45.8 85.2



#27

1,2-Dichloroethane

Concen: 25.793 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VW025619.D

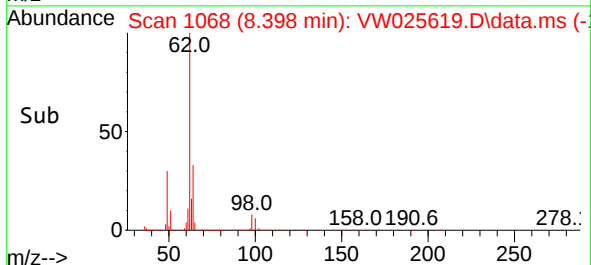
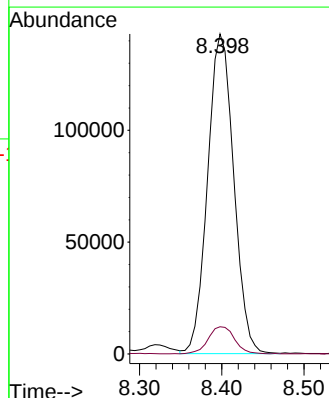
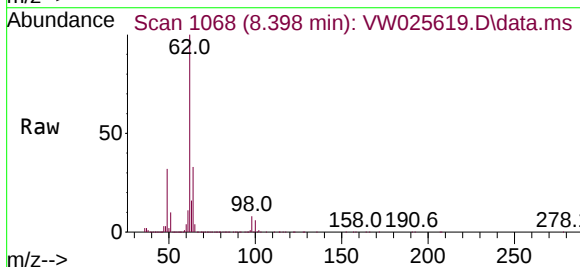
Acq: 21 Apr 2023 08:46

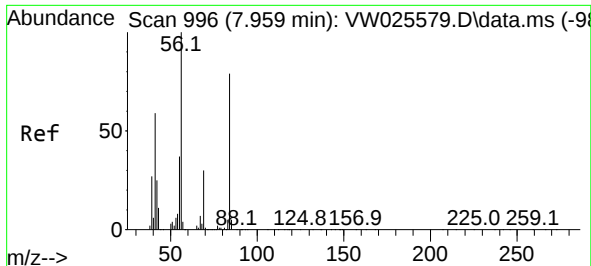
Tgt Ion: 62 Resp: 315826

Ion Ratio Lower Upper

62 100

98 8.5 6.6 10.0





#29

Cyclohexane

Concen: 24.814 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025575

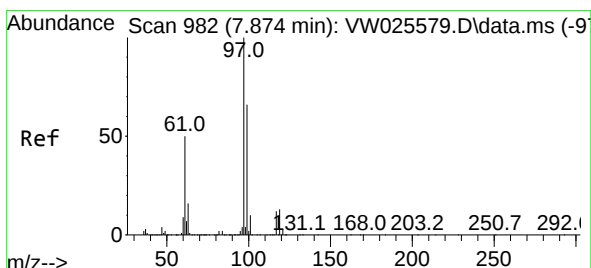
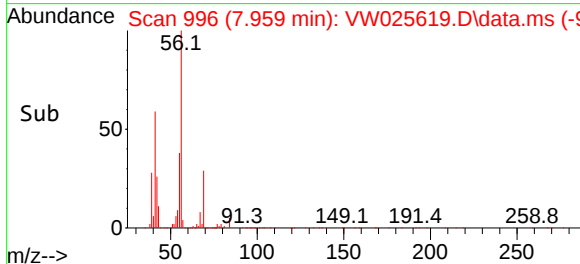
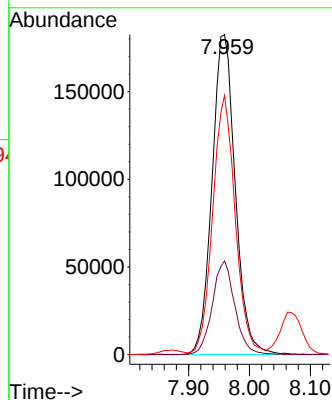
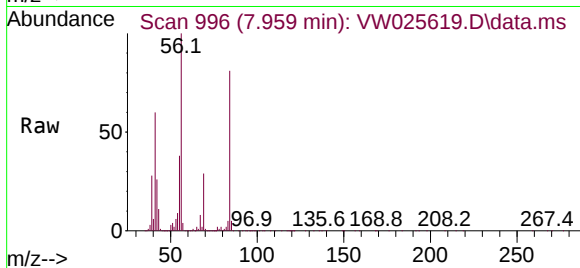
Tgt Ion: 56 Resp: 482920

Ion Ratio Lower Upper

56 100

69 28.5 22.7 34.1

84 78.9 62.5 93.7



#30

1,1,1-Trichloroethane

Concen: 25.606 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

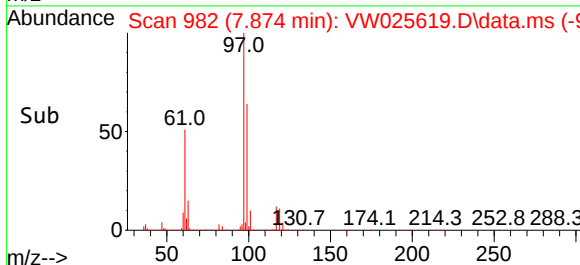
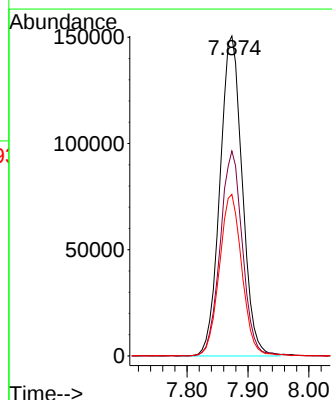
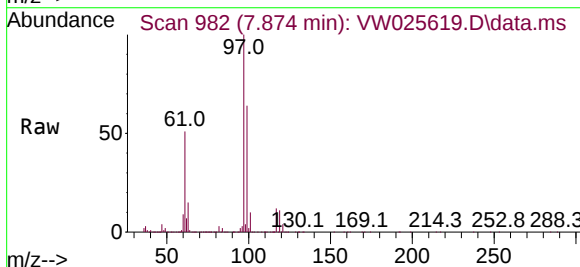
Tgt Ion: 97 Resp: 382559

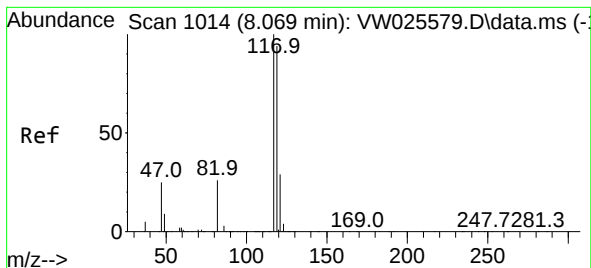
Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.6

61 51.0 40.5 60.7

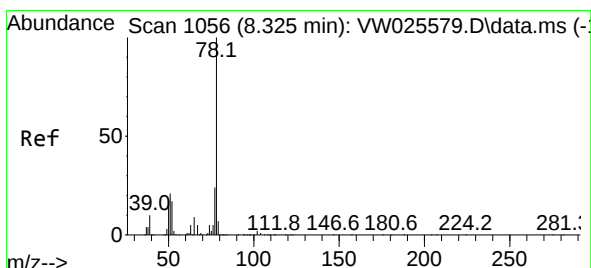
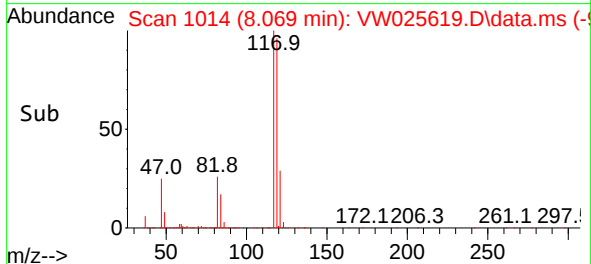
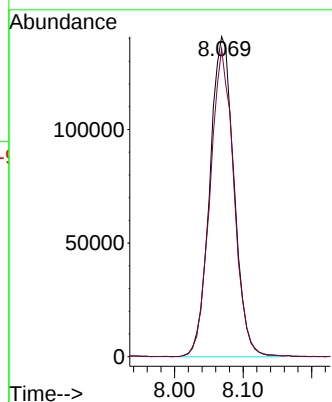
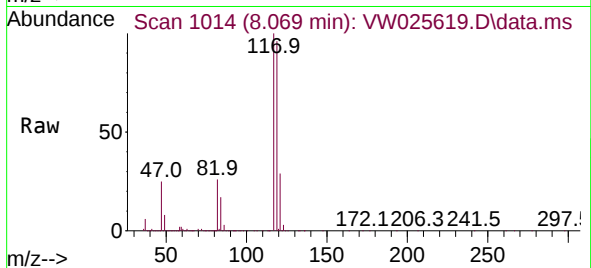




#31  
Carbon tetrachloride  
Concen: 25.622 ug/L  
RT: 8.069 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

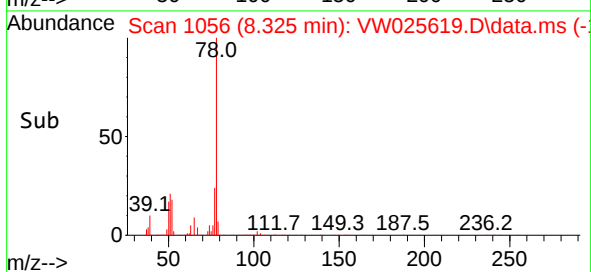
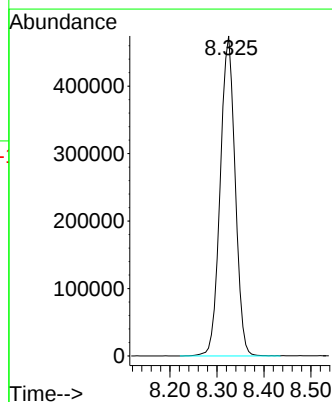
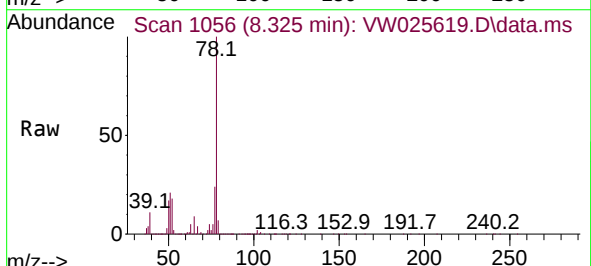
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

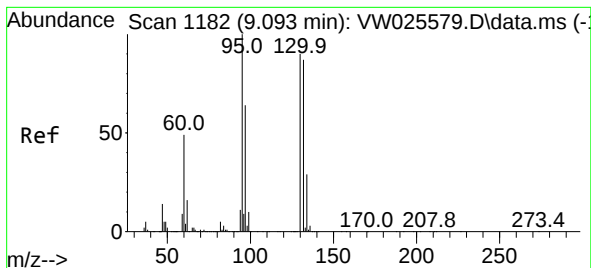
Tgt Ion:117 Resp: 345693  
Ion Ratio Lower Upper  
117 100  
119 94.4 75.7 113.5



#33  
Benzene  
Concen: 25.114 ug/L  
RT: 8.325 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion: 78 Resp: 1051039





#34

Trichloroethene

Concen: 24.527 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025575

Tgt Ion: 95 Resp: 267004

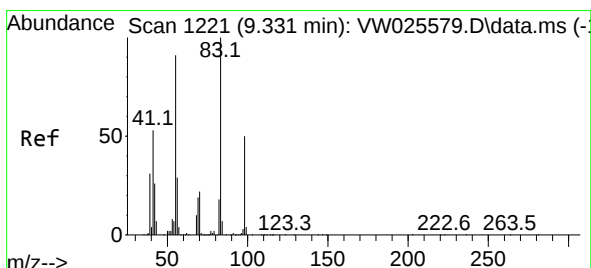
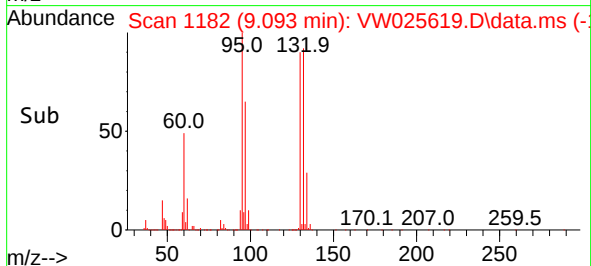
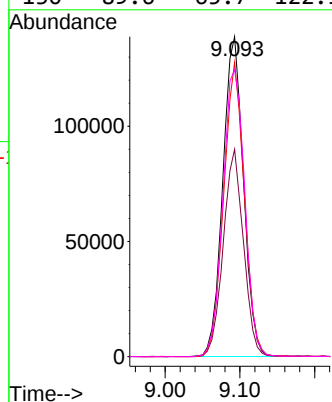
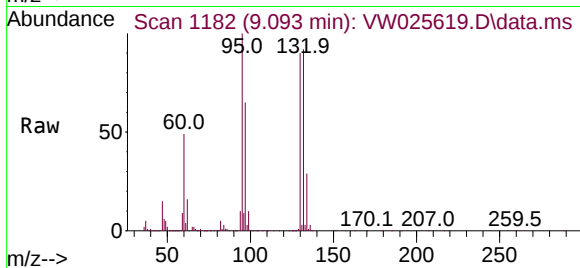
Ion Ratio Lower Upper

95 100

97 64.8 42.5 78.9

132 91.9 59.8 111.1

130 89.6 65.7 122.1



#35

Methylcyclohexane

Concen: 24.477 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

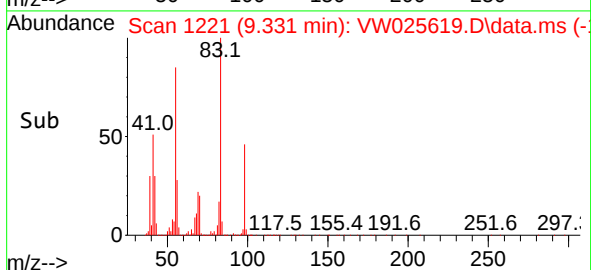
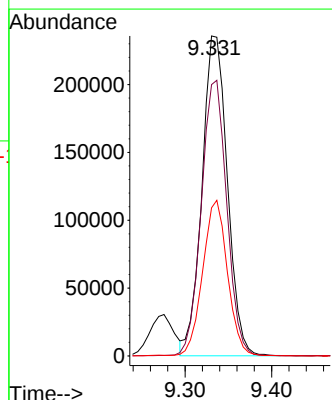
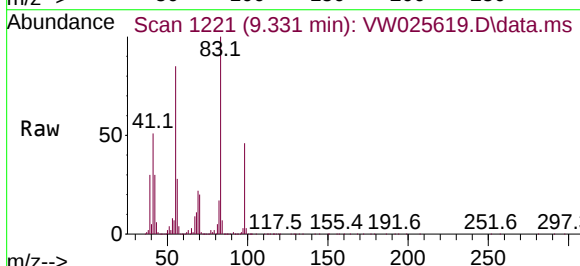
Tgt Ion: 83 Resp: 481152

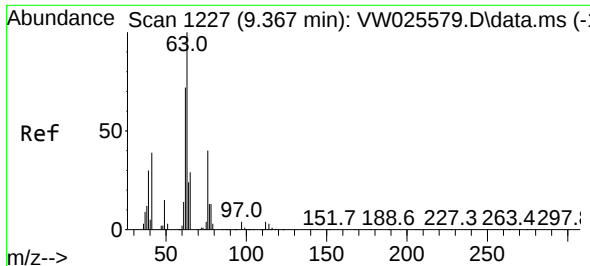
Ion Ratio Lower Upper

83 100

55 86.3 68.7 103.1

98 47.5 37.7 56.5





#37

1,2-Dichloropropane

Concen: 25.743 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

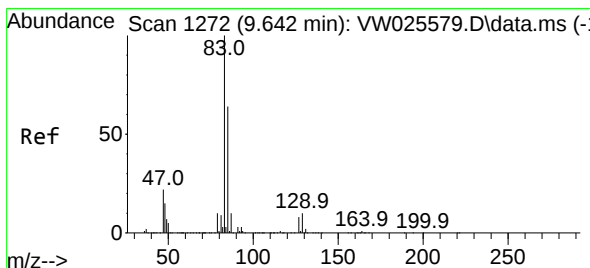
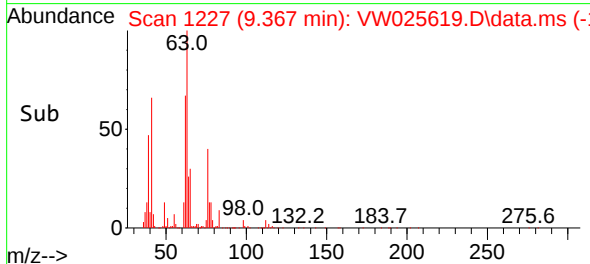
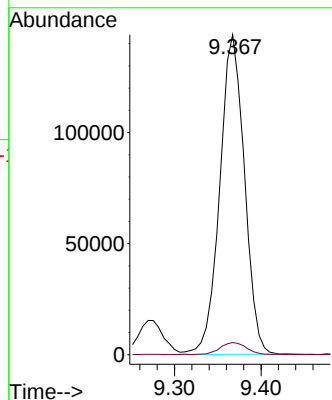
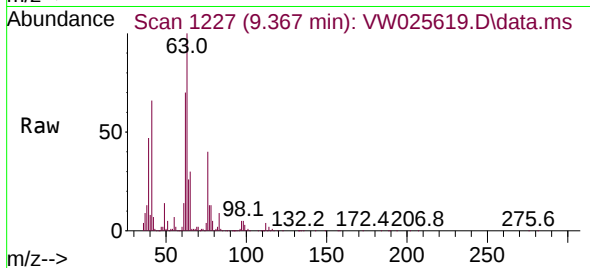
VSTD025575

Tgt Ion: 63 Resp: 284535

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.0



#38

Bromodichloromethane

Concen: 25.529 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

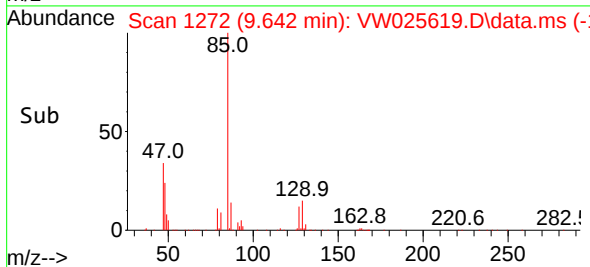
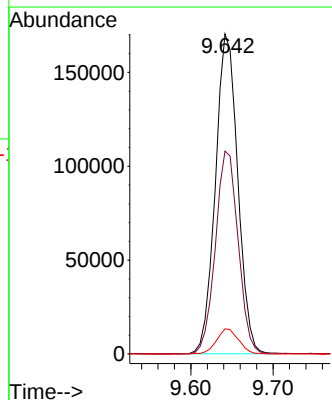
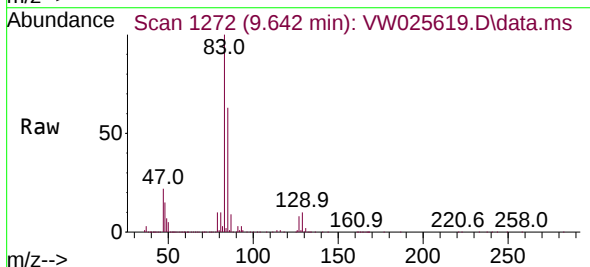
Tgt Ion: 83 Resp: 322847

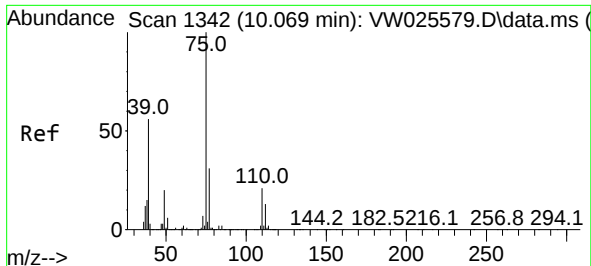
Ion Ratio Lower Upper

83 100

85 63.4 43.5 80.7

127 7.8 5.8 8.8





#39

cis-1,3-Dichloropropene

Concen: 25.890 ug/L

RT: 10.074 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

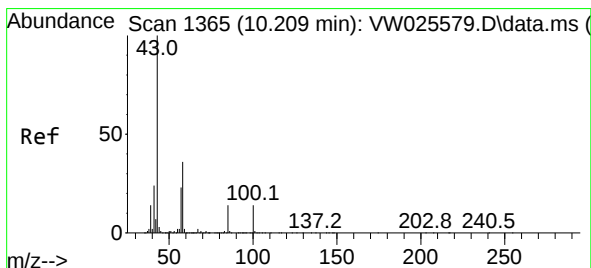
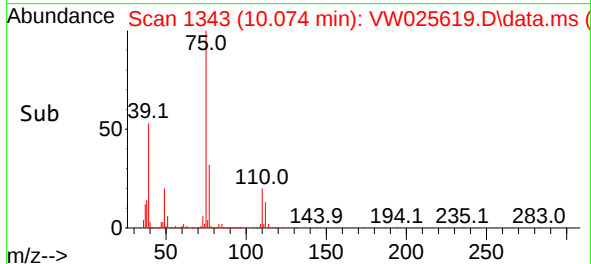
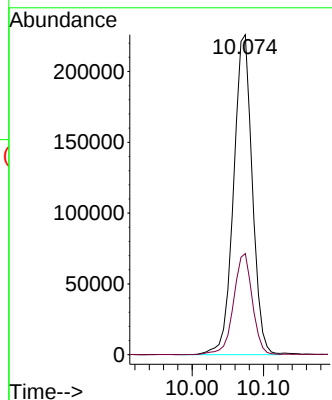
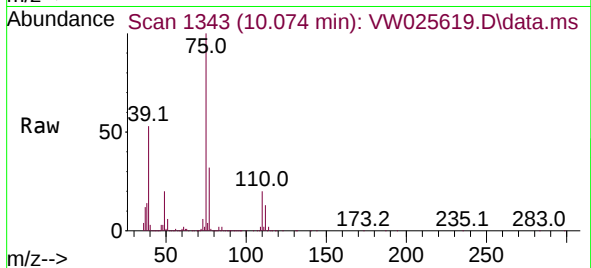
VSTD025575

Tgt Ion: 75 Resp: 410479

Ion Ratio Lower Upper

75 100

77 31.6 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 55.403 ug/L

RT: 10.208 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

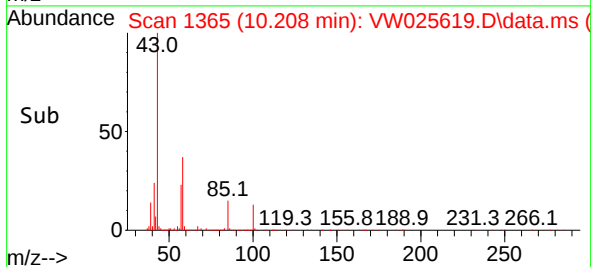
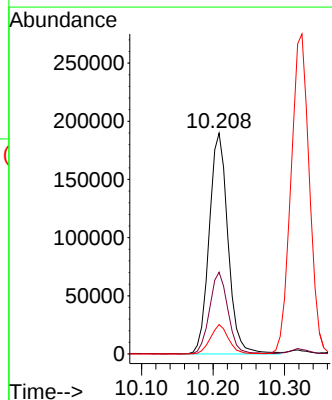
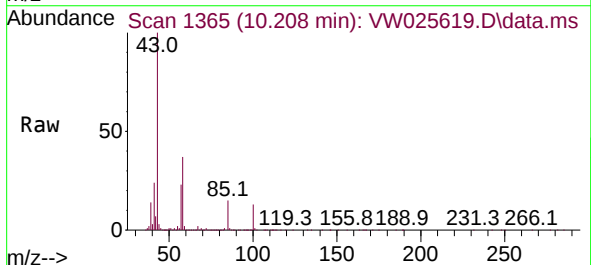
Tgt Ion: 43 Resp: 346613

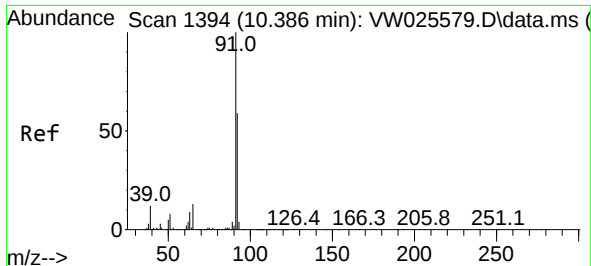
Ion Ratio Lower Upper

43 100

58 36.4 29.2 43.8

100 12.6 10.2 15.4

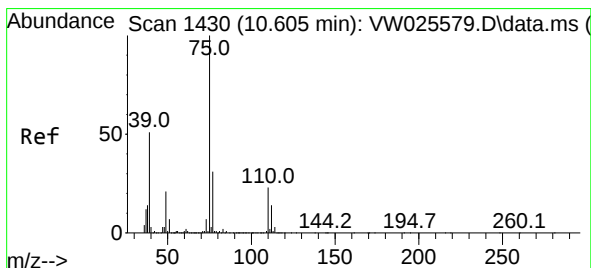
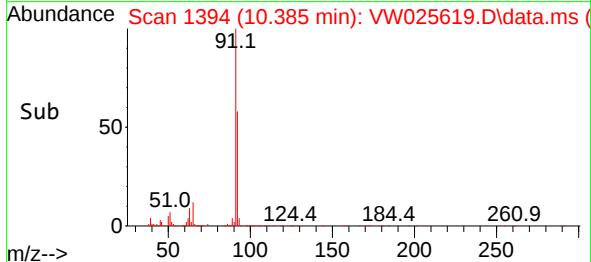
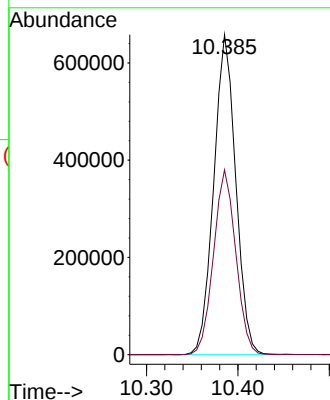
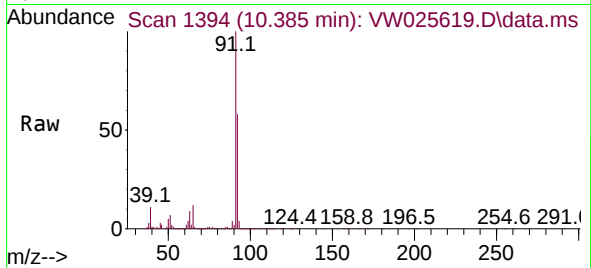




#42  
Toluene  
Concen: 25.807 ug/L  
RT: 10.385 min Scan# 1394  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

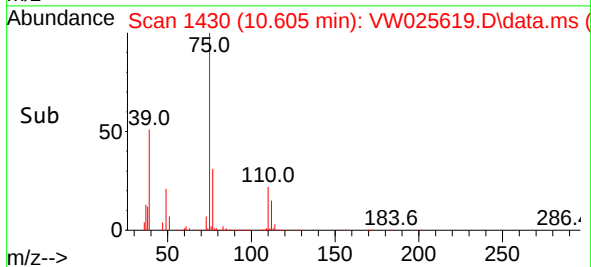
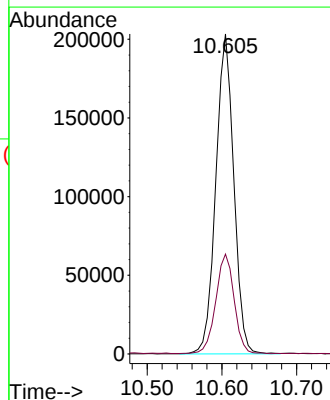
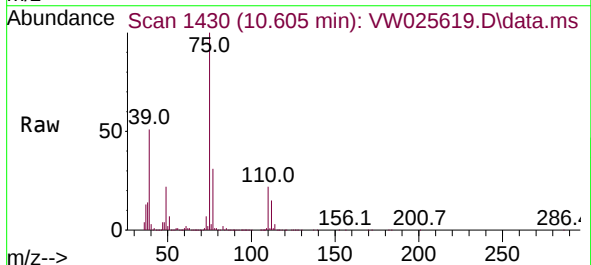
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

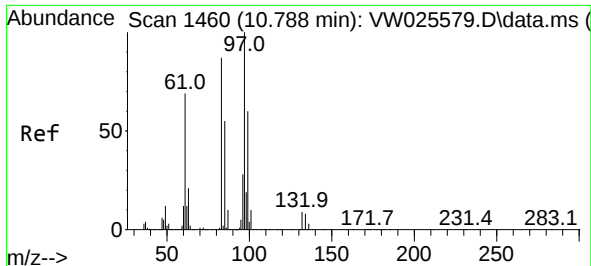
Tgt Ion: 91 Resp: 1099811  
Ion Ratio Lower Upper  
91 100  
92 57.7 41.1 76.3



#44  
trans-1,3-Dichloropropene  
Concen: 26.012 ug/L  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion: 75 Resp: 340076  
Ion Ratio Lower Upper  
75 100  
77 31.2 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 26.018 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025575

Tgt Ion: 97 Resp: 183366

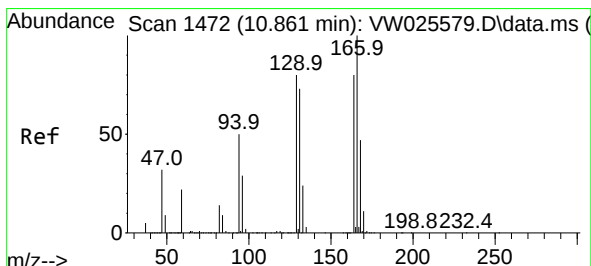
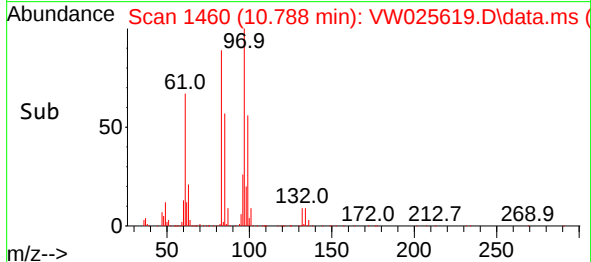
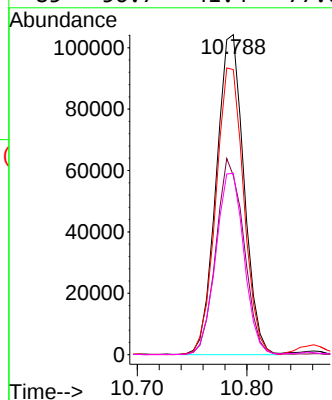
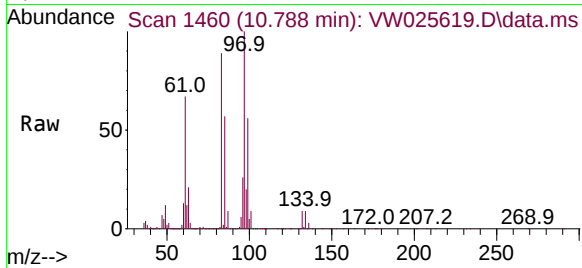
Ion Ratio Lower Upper

97 100

99 56.0 43.8 81.3

83 89.1 61.8 114.8

85 56.7 41.4 77.0



#46

Tetrachloroethene

Concen: 24.085 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Tgt Ion:164 Resp: 184402

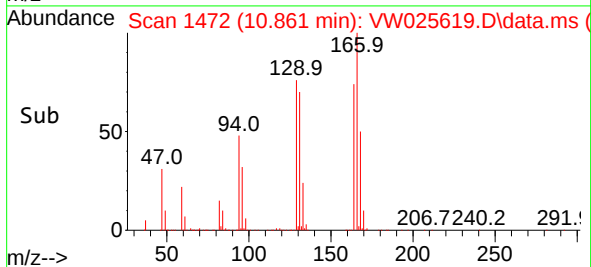
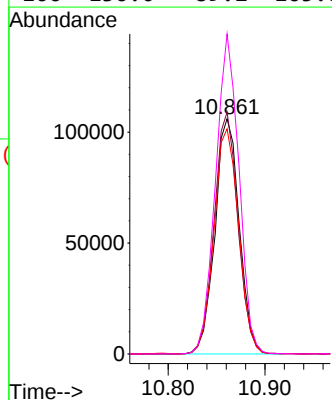
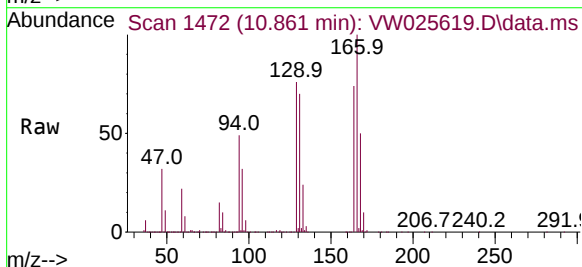
Ion Ratio Lower Upper

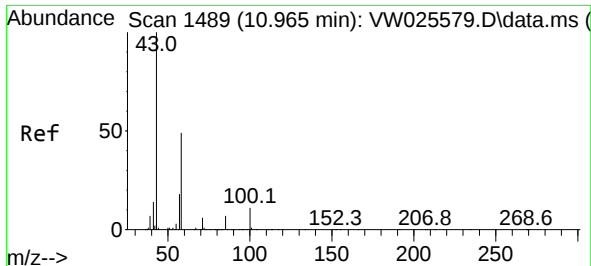
164 100

129 102.9 76.9 142.9

131 95.7 70.5 130.9

166 136.0 89.2 165.8



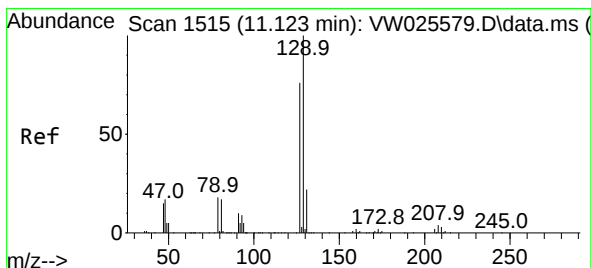
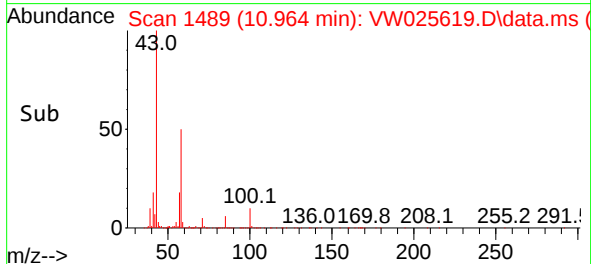
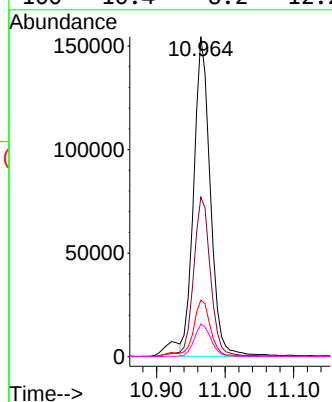
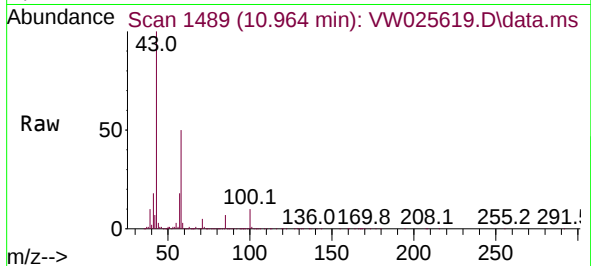


#48  
2-Hexanone  
Concen: 60.237 ug/L  
RT: 10.964 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

Tgt Ion: 43 Resp: 260384

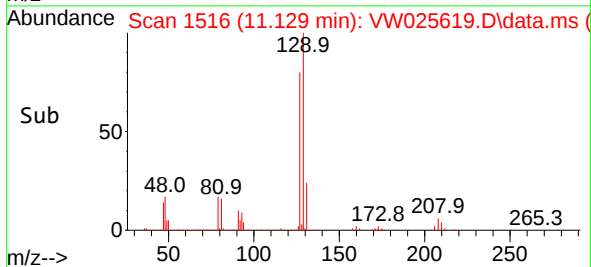
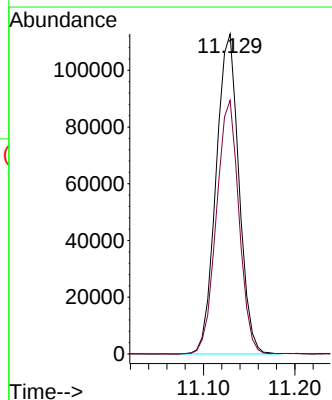
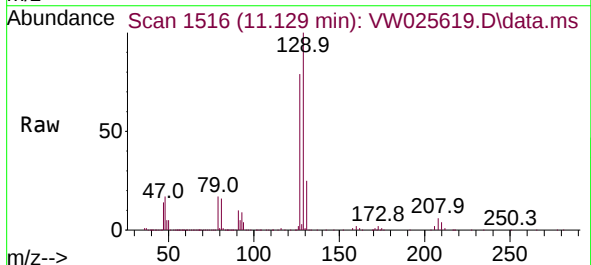
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 51.2  | 38.6  | 57.8  |
| 57  | 17.9  | 13.9  | 20.9  |
| 100 | 10.4  | 8.2   | 12.2  |

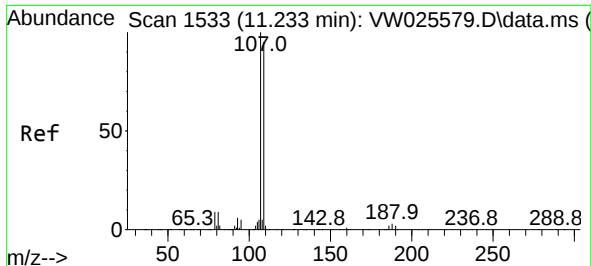


#49  
Dibromochloromethane  
Concen: 26.426 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion: 129 Resp: 196087

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 79.2  | 54.0  | 100.2 |

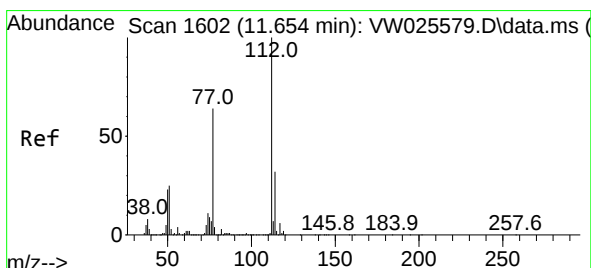
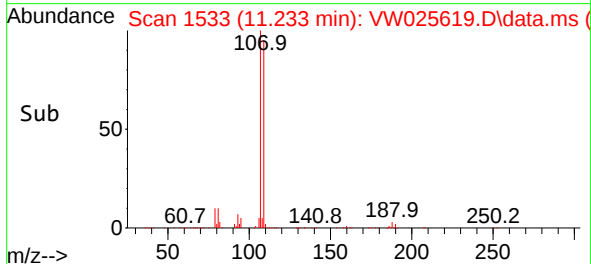
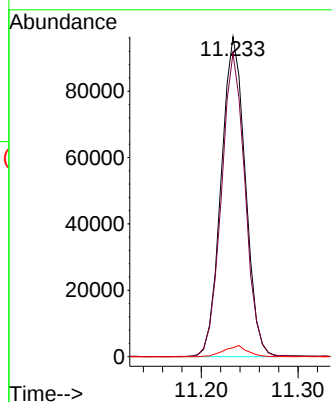
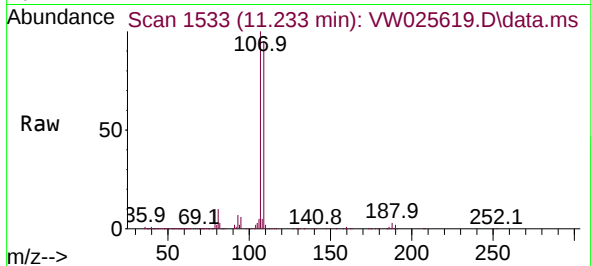




#50  
1,2-Dibromoethane  
Concen: 25.805 ug/L  
RT: 11.233 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

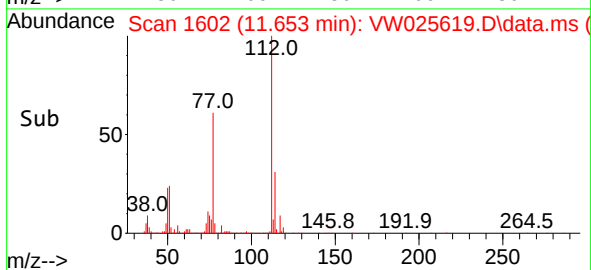
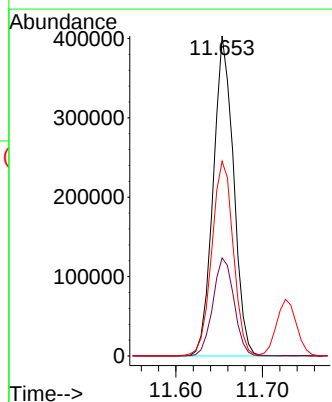
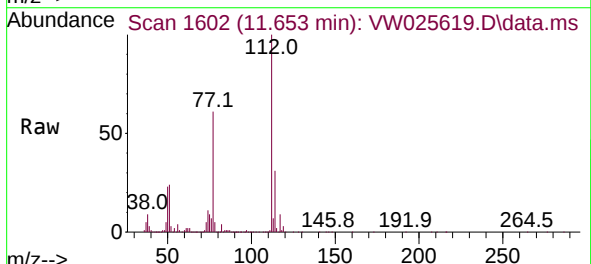
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

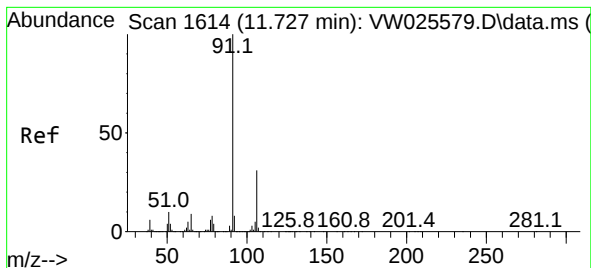
Tgt Ion:107 Resp: 167098  
Ion Ratio Lower Upper  
107 100  
109 94.8 64.1 119.1  
188 2.8 2.8 4.2#



#51  
Chlorobenzene  
Concen: 25.024 ug/L  
RT: 11.653 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion:112 Resp: 657136  
Ion Ratio Lower Upper  
112 100  
114 30.7 21.6 40.2  
77 60.8 50.2 75.2

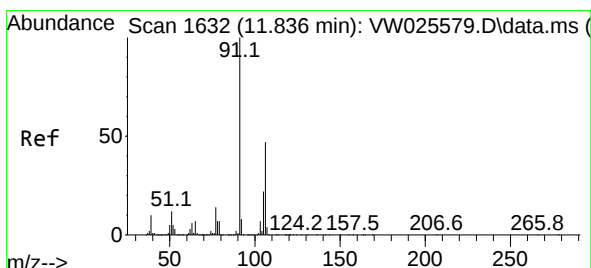
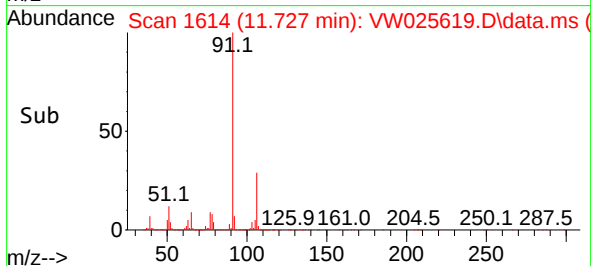
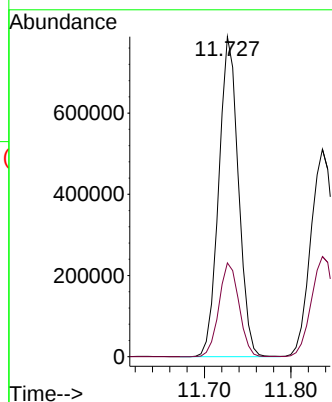
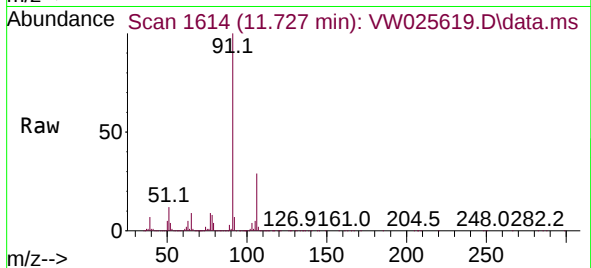




#52  
Ethylbenzene  
Concen: 25.720 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

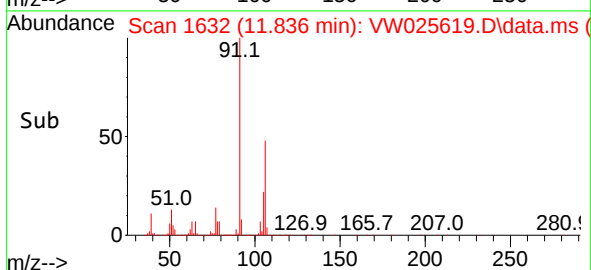
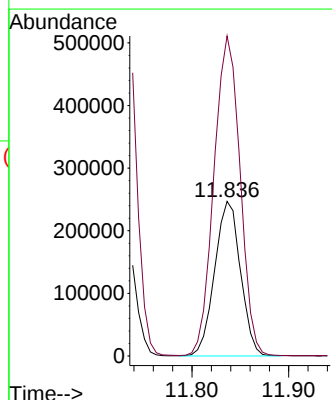
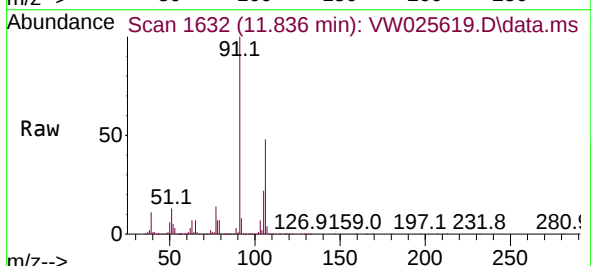
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

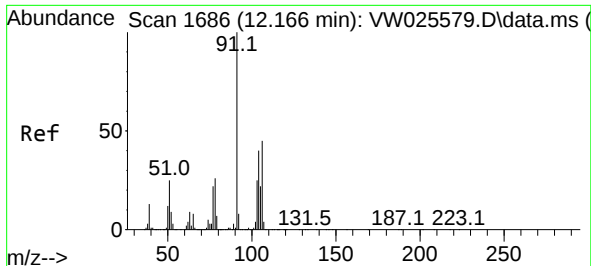
Tgt Ion: 91 Resp: 1240371  
Ion Ratio Lower Upper  
91 100  
106 29.3 20.3 37.7



#53  
m,p-Xylene  
Concen: 25.840 ug/L  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion:106 Resp: 456994  
Ion Ratio Lower Upper  
106 100  
91 207.1 148.0 274.8

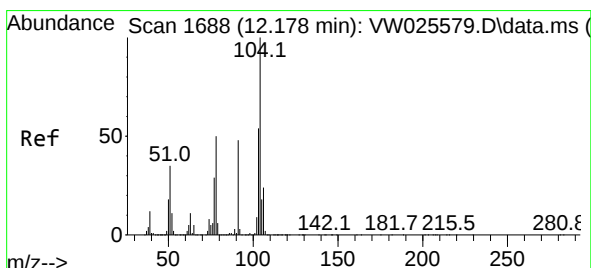
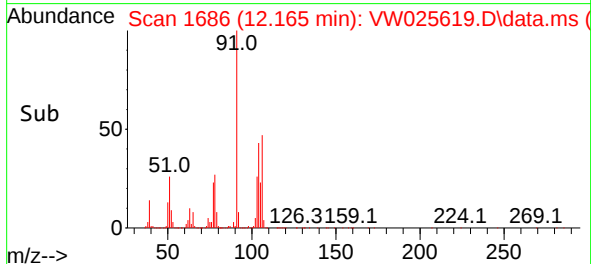
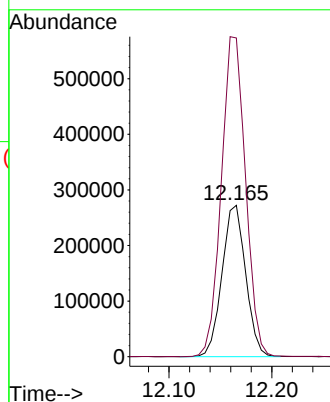
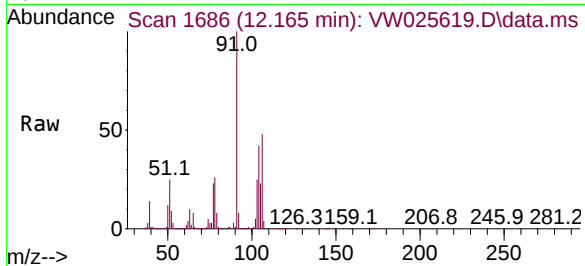




#54  
o-Xylene  
Concen: 26.283 ug/L  
RT: 12.165 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

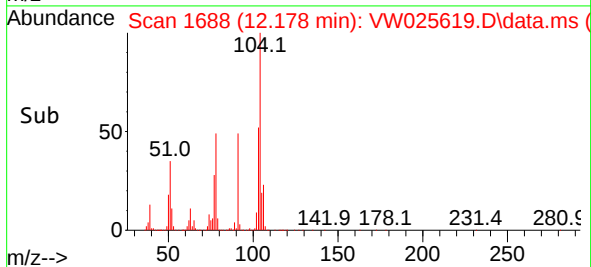
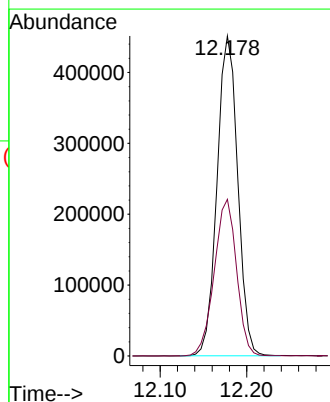
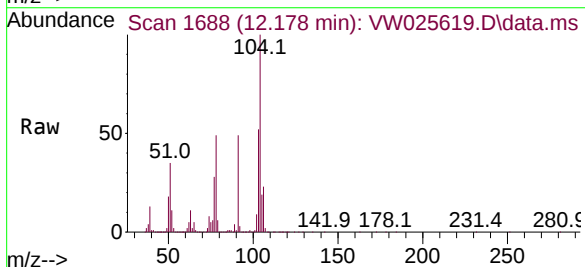
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

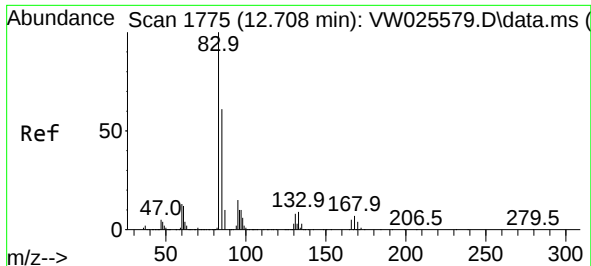
Tgt Ion:106 Resp: 434850  
Ion Ratio Lower Upper  
106 100  
91 210.5 158.2 293.8



#55  
Styrene  
Concen: 26.909 ug/L  
RT: 12.178 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion:104 Resp: 749358  
Ion Ratio Lower Upper  
104 100  
78 49.0 33.3 61.9





#57

1,1,2-Tetrachloroethane

Concen: 26.569 ug/L

RT: 12.714 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025575

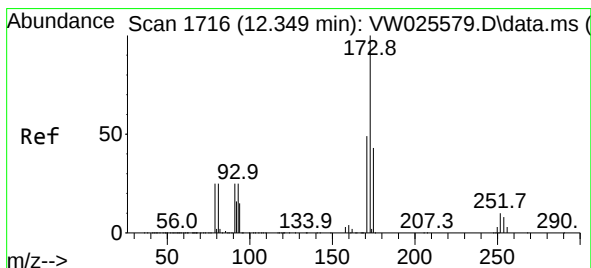
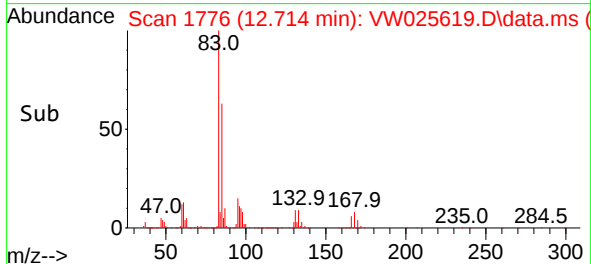
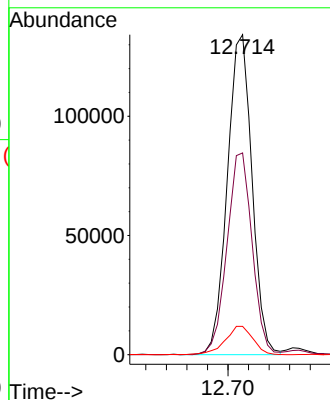
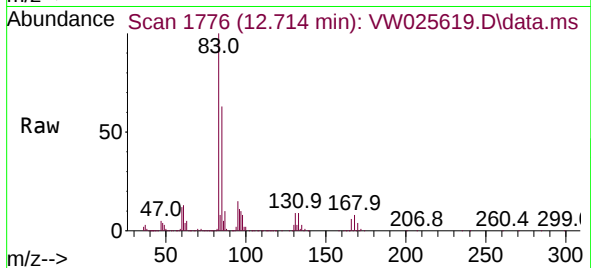
Tgt Ion: 83 Resp: 224289

Ion Ratio Lower Upper

83 100

85 63.1 43.5 80.7

131 8.9 7.0 10.4



#59

Bromoform

Concen: 26.508 ug/L

RT: 12.348 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

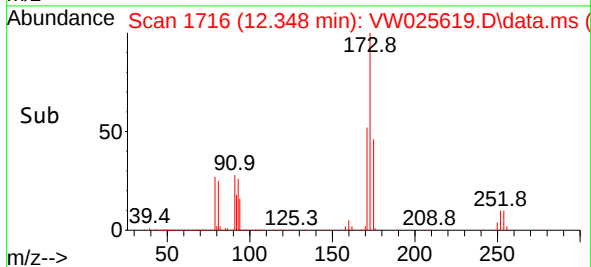
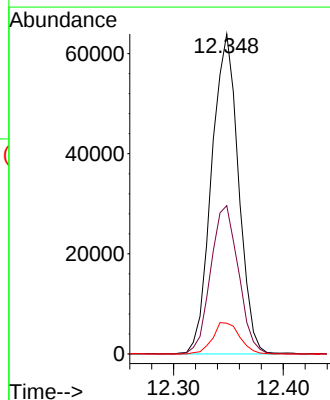
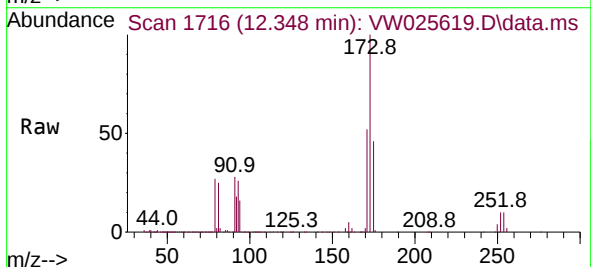
Tgt Ion: 173 Resp: 108827

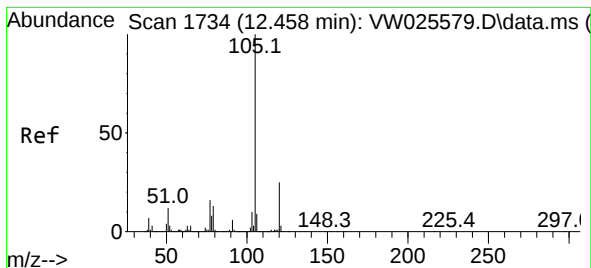
Ion Ratio Lower Upper

173 100

175 47.8 36.1 54.1

254 9.9 7.0 10.6





#60

Isopropylbenzene

Concen: 26.183 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025575

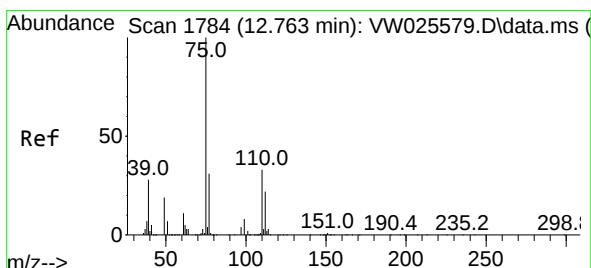
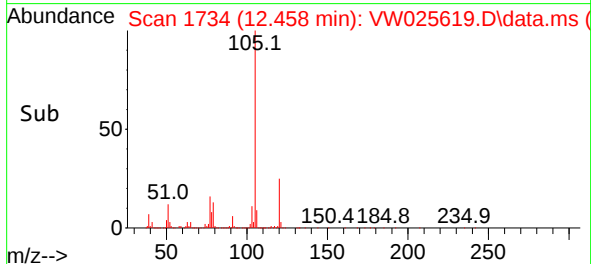
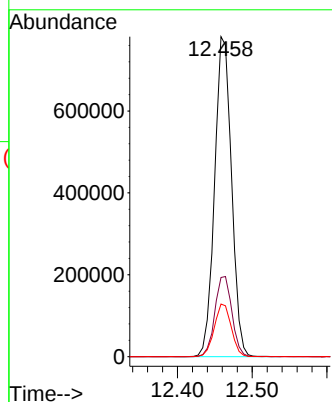
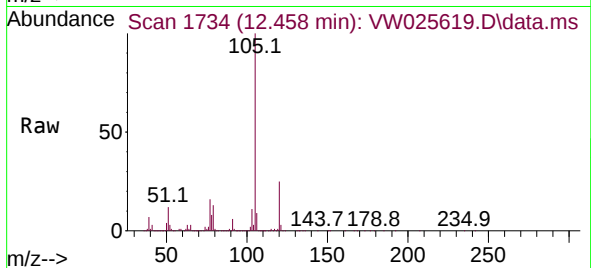
Tgt Ion:105 Resp: 1228801

Ion Ratio Lower Upper

105 100

120 25.3 20.1 30.1

77 16.5 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 26.202 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

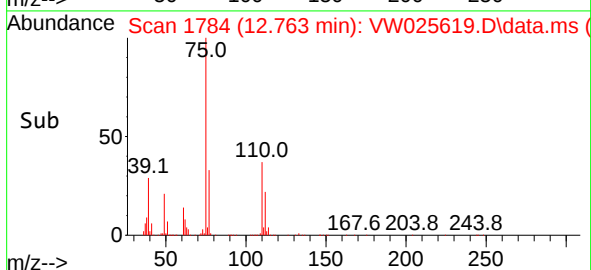
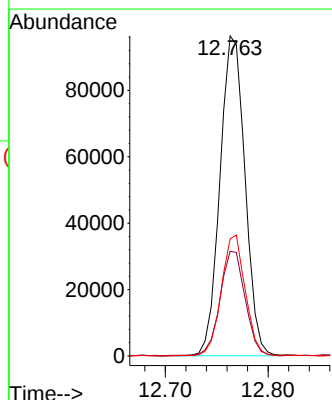
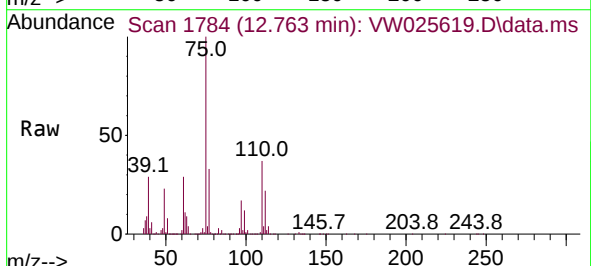
Tgt Ion: 75 Resp: 162703

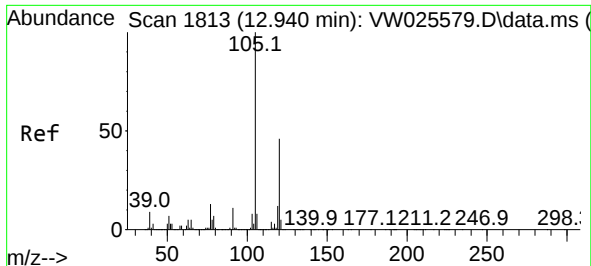
Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2

110 36.2 29.0 43.6

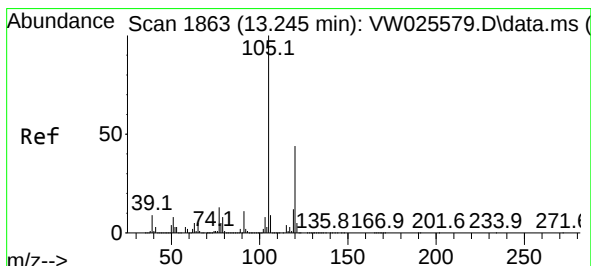
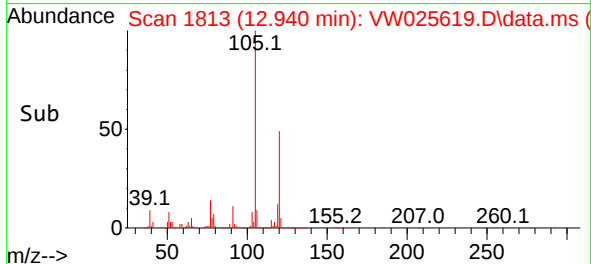
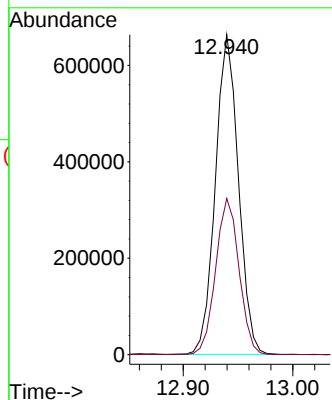
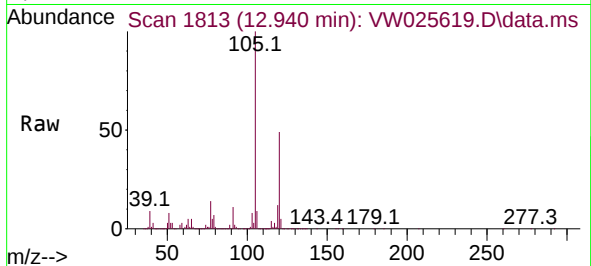




#62  
1,3,5-Trimethylbenzene  
Concen: 26.159 ug/L  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

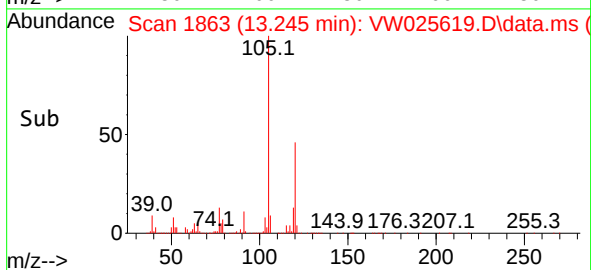
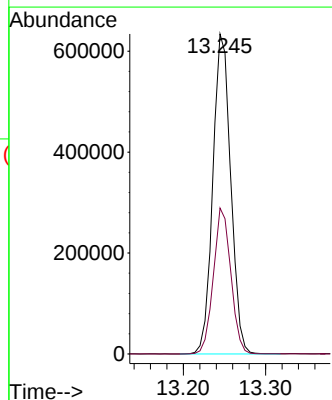
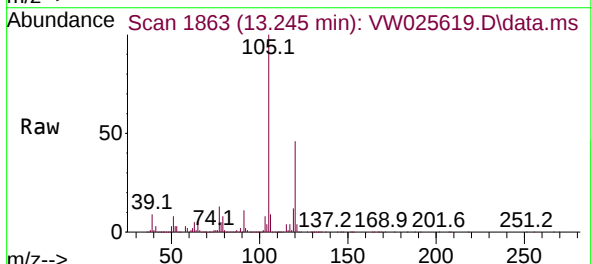
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025575

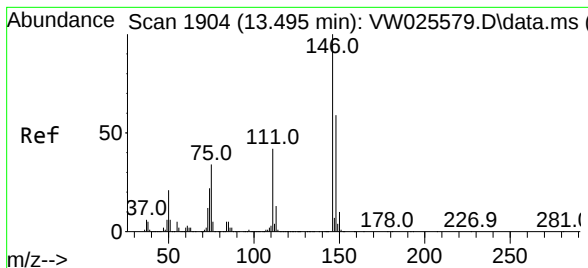
Tgt Ion:105 Resp: 969161  
Ion Ratio Lower Upper  
105 100  
120 49.6 38.4 57.6



#63  
1,2,4-Trimethylbenzene  
Concen: 26.815 ug/L  
RT: 13.245 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: VW025619.D  
Acq: 21 Apr 2023 08:46

Tgt Ion:105 Resp: 956607  
Ion Ratio Lower Upper  
105 100  
120 44.6 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 26.016 ug/L

RT: 13.494 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025575

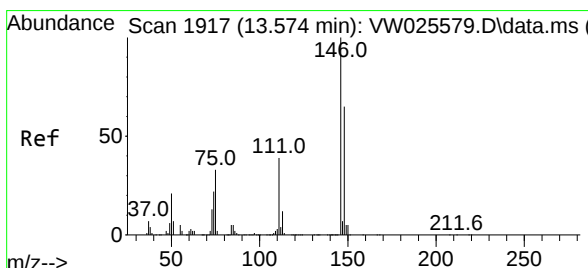
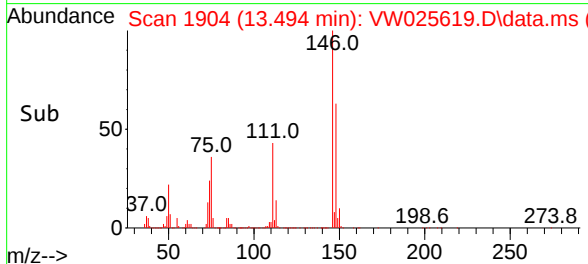
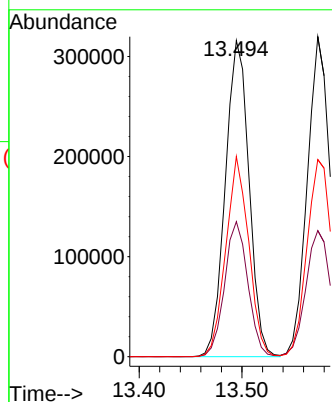
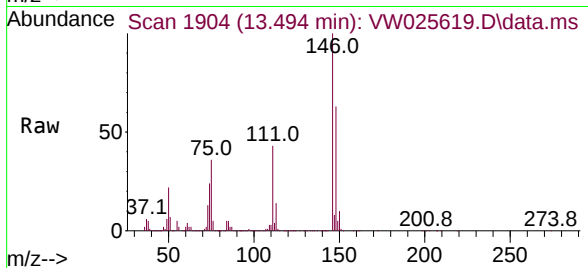
Tgt Ion:146 Resp: 505978

Ion Ratio Lower Upper

146 100

111 42.7 29.7 55.1

148 63.4 43.4 80.6



#65

1,4-Dichlorobenzene

Concen: 25.236 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

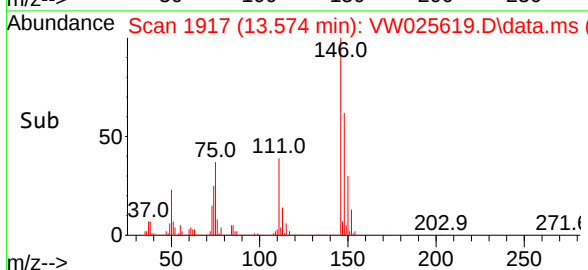
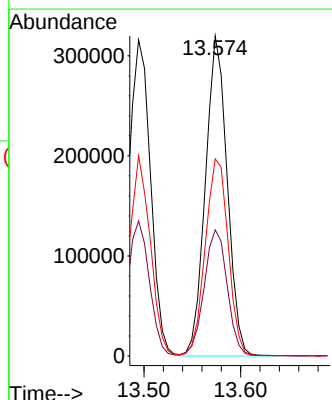
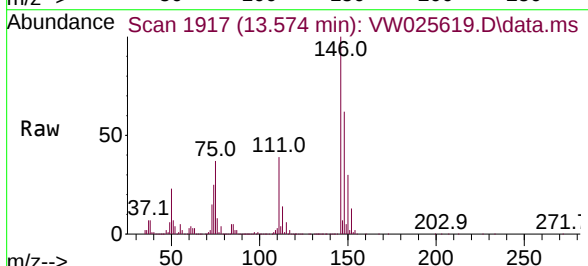
Tgt Ion:146 Resp: 501235

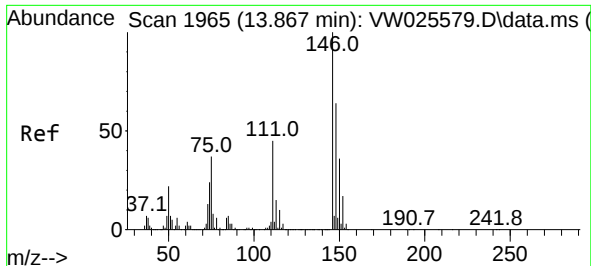
Ion Ratio Lower Upper

146 100

111 39.4 30.4 56.5

148 61.6 48.6 90.3





#67

1,2-Dichlorobenzene

Concen: 25.925 ug/L

RT: 13.866 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025575

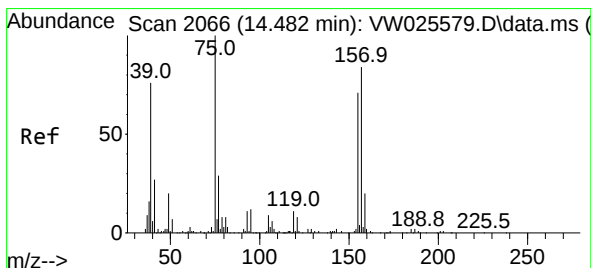
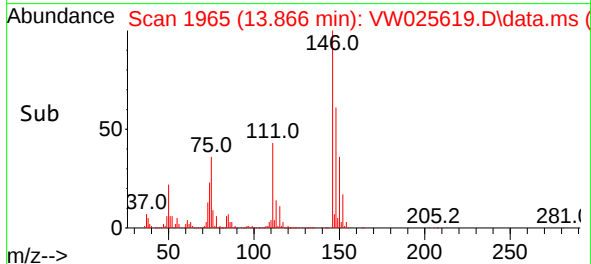
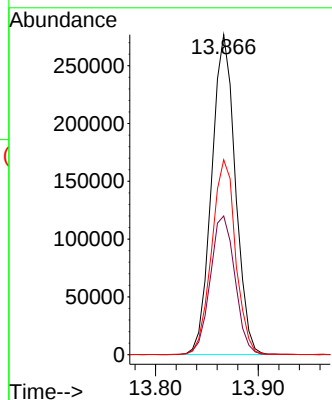
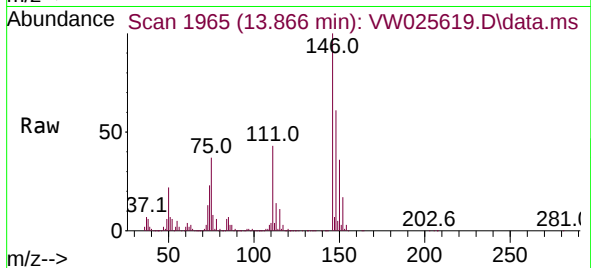
Tgt Ion:146 Resp: 442026

Ion Ratio Lower Upper

146 100

111 43.4 35.3 52.9

148 60.9 47.9 71.9



#68

1,2-Dibromo-3-chloropropane

Concen: 25.618 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

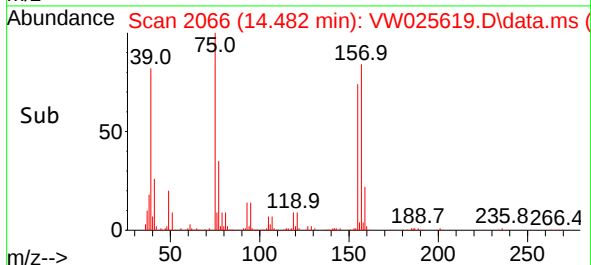
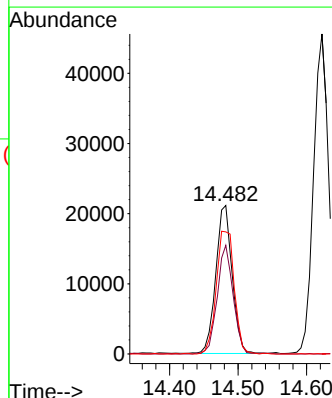
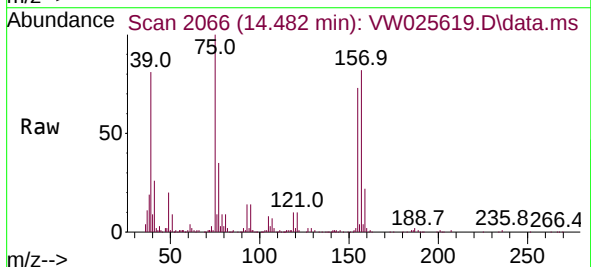
Tgt Ion: 75 Resp: 34895

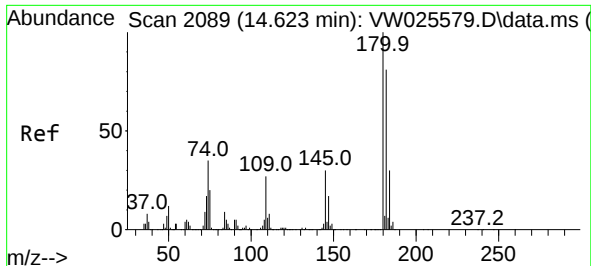
Ion Ratio Lower Upper

75 100

155 73.2 61.1 91.7

157 82.2 72.8 109.2





#69

1,3,5-Trichlorobenzene

Concen: 25.805 ug/L

RT: 14.628 min Scan# 2089

Delta R.T. 0.006 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025575

Tgt Ion:180 Resp: 336018

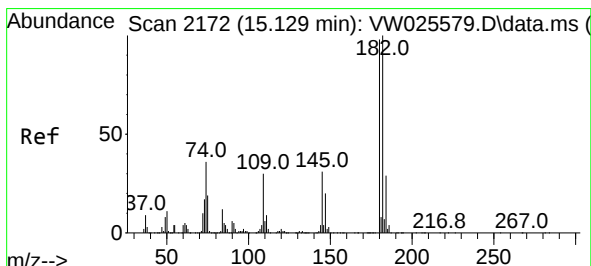
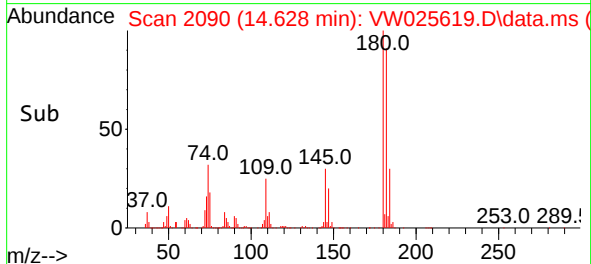
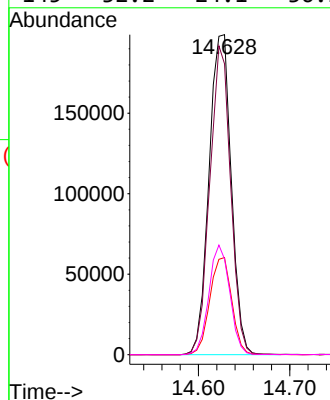
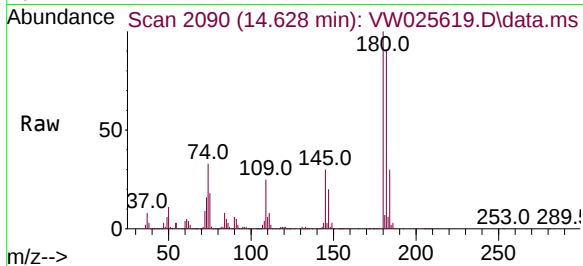
Ion Ratio Lower Upper

180 100

182 90.6 76.4 114.6

184 30.1 24.1 36.1

145 32.2 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 25.538 ug/L

RT: 15.128 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

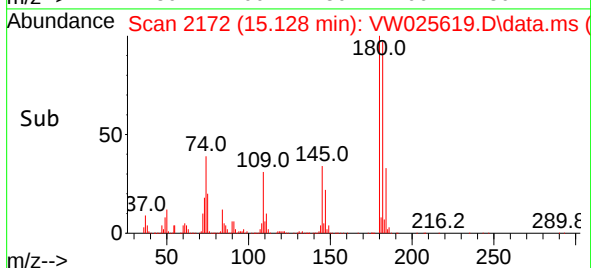
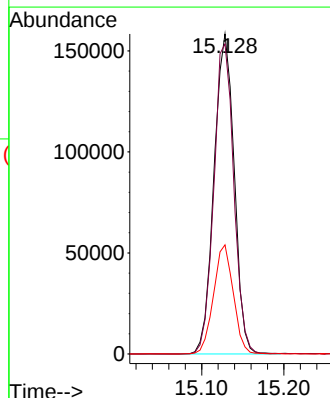
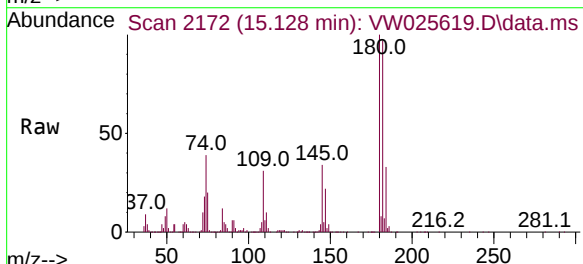
Tgt Ion:180 Resp: 270134

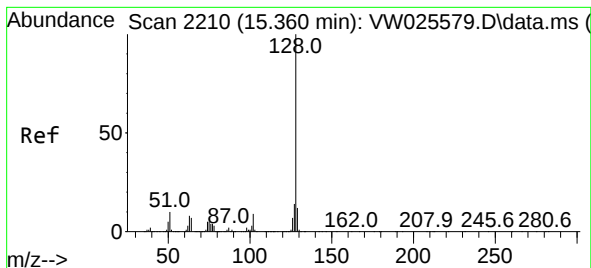
Ion Ratio Lower Upper

180 100

182 96.1 79.5 119.3

145 33.4 27.4 41.0





#71

Naphthalene

Concen: 28.382 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025575

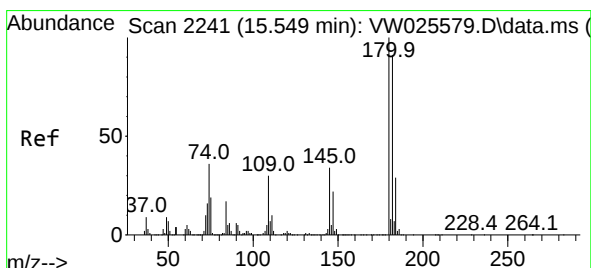
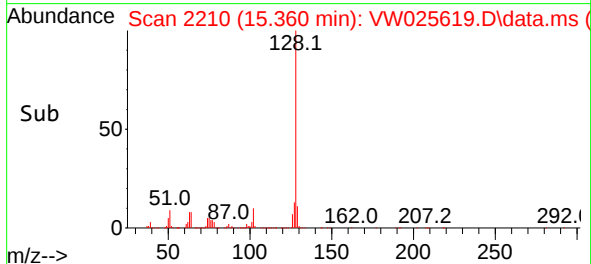
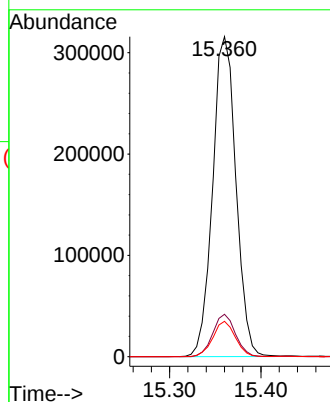
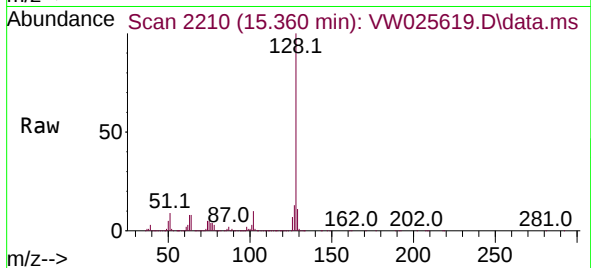
Tgt Ion:128 Resp: 560188

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.7 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 26.241 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025619.D

Acq: 21 Apr 2023 08:46

Tgt Ion:180 Resp: 242679

Ion Ratio Lower Upper

180 100

182 100.4 72.9 109.3

145 34.6 27.0 40.6

