

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW060222\  
 Data File : VW023373.D  
 Acq On : 02 Jun 2022 14:05  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025558

Quant Time: Jun 02 21:50:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 02 21:45:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.842     | 114   | 395274   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.634    | 117   | 374338   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554    | 152   | 199336   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.349     | 65    | 149892   | 25.642   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 102.560% |          |
| 7) Chloroethane-d5            | 2.885     | 69    | 108125   | 26.606   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 106.440% |          |
| 11) 1,1-Dichloroethene-d2     | 4.019     | 63    | 217065   | 24.159   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 96.640%  |          |
| 21) 2-Butanone-d5             | 7.080     | 46    | 66077    | 54.920   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 109.840% |          |
| 24) Chloroform-d              | 7.647     | 84    | 265775   | 25.534   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 102.120% |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65    | 140767   | 25.820   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 103.280% |          |
| 32) Benzene-d6                | 8.275     | 84    | 510554   | 25.383   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 101.520% |          |
| 36) 1,2-Dichloropropane-d6    | 9.275     | 67    | 147341   | 25.605   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 102.440% |          |
| 41) Toluene-d8                | 10.323    | 98    | 491318   | 25.619   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 102.480% |          |
| 43) trans-1,3-Dichloroprop... | 10.573    | 79    | 68347    | 26.606   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 106.440% |          |
| 47) 2-Hexanone-d5             | 10.921    | 63    | 53094    | 57.434   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 114.860% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689    | 84    | 138218   | 27.233   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 108.920% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.847    | 152   | 178212   | 25.292   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 101.160% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.001     | 85    | 49713    | 29.952   | ug/L       | 91       |
| 3) Chloromethane              | 2.215     | 50    | 127743   | 26.170   | ug/L       | 99       |
| 5) Vinyl chloride             | 2.361     | 62    | 192672   | 25.358   | ug/L       | 97       |
| 6) Bromomethane               | 2.776     | 94    | 99123    | 26.724   | ug/L       | 96       |
| 8) Chloroethane               | 2.922     | 64    | 94358    | 26.981   | ug/L       | 97       |
| 9) Trichlorofluoromethane     | 3.257     | 101   | 79358    | 21.929   | ug/L       | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062     | 101   | 127233   | 24.235   | ug/L       | 99       |
| 12) 1,1-Dichloroethene        | 4.038     | 96    | 114522   | 25.281   | ug/L       | 93       |
| 13) Acetone                   | 4.123     | 43    | 39525    | 45.162   | ug/L       | 93       |
| 14) Carbon disulfide          | 4.385     | 76    | 378862   | 25.038   | ug/L       | 100      |
| 15) Methyl Acetate            | 4.672     | 43    | 52051    | 26.435   | ug/L       | 99       |
| 16) Methylene chloride        | 4.922     | 84    | 131928   | 23.300   | ug/L       | 95       |
| 17) trans-1,2-Dichloroethene  | 5.428     | 96    | 133682   | 25.295   | ug/L       | 98       |
| 18) Methyl tert-butyl Ether   | 5.428     | 73    | 212578   | 27.323   | ug/L       | 99       |
| 19) 1,1-Dichloroethane        | 6.220     | 63    | 222892   | 24.898   | ug/L       | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171     | 96    | 143039   | 25.774   | ug/L       | 96       |
| 22) 2-Butanone                | 7.171     | 43    | 69854    | 52.531   | ug/L       | 98       |
| 23) Bromochloromethane        | 7.519     | 128   | 67705    | 25.710   | ug/L       | 93       |
| 25) Chloroform                | 7.677     | 83    | 247238   | 25.233   | ug/L       | 96       |

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 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

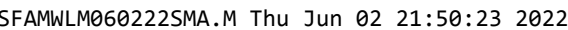
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025558

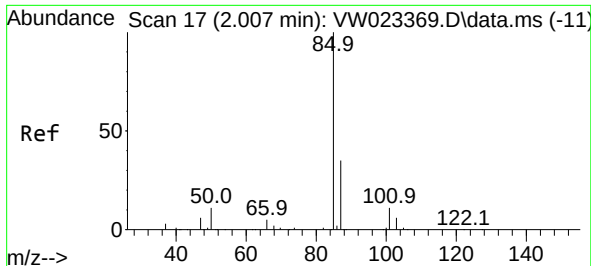
Quant Time: Jun 02 21:50:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 02 21:45:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 164235   | 26.035 | ug/L  | 97       |
| 29) Cyclohexane               | 7.958  | 56   | 204764   | 25.533 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 218165   | 25.183 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.074  | 117  | 199995   | 24.546 | ug/L  | 100      |
| 33) Benzene                   | 8.323  | 78   | 545795   | 25.453 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 145096   | 24.984 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.336  | 83   | 247333   | 25.707 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 129253   | 25.585 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 181476   | 25.378 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 210533   | 26.532 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 162437   | 56.736 | ug/L  | 99       |
| 42) Toluene                   | 10.390 | 91   | 619412   | 26.001 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 187662   | 26.430 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 109195   | 26.400 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.866 | 164  | 114299   | 24.579 | ug/L  | 93       |
| 48) 2-Hexanone                | 10.969 | 43   | 110412   | 57.699 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 134037   | 26.408 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 107096   | 26.561 | ug/L  | 95       |
| 51) Chlorobenzene             | 11.658 | 112  | 403262   | 25.637 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 678434   | 25.934 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.841 | 106  | 270243   | 26.087 | ug/L  | 95       |
| 54) o-Xylene                  | 12.164 | 106  | 259462   | 26.179 | ug/L  | 98       |
| 55) Styrene                   | 12.176 | 104  | 442672   | 26.207 | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 134457   | 27.523 | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 74068    | 25.312 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 702866   | 25.709 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 94703    | 26.431 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 584073   | 26.075 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 448513   | 25.791 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 312690   | 25.159 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.573 | 146  | 318062   | 25.034 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 285519   | 25.415 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 20893    | 26.179 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 205915   | 25.087 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 163454   | 25.063 | ug/L  | 96       |
| 71) Naphthalene               | 15.365 | 128  | 356382   | 29.025 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 147793   | 26.182 | ug/L  | 98       |

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

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Response via : Initial Calibration

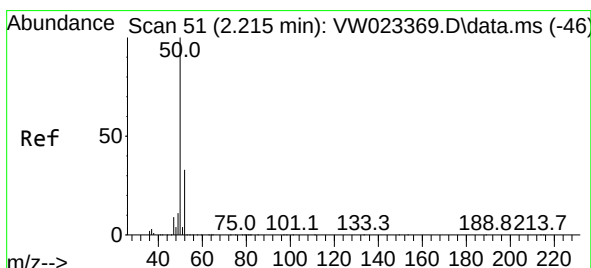
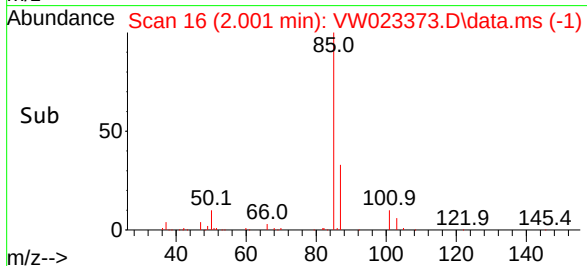
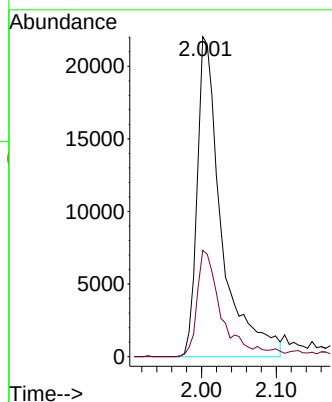
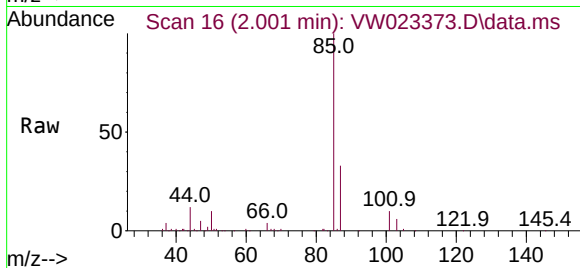




#2  
Dichlorodifluoromethane  
Concen: 29.952 ug/L  
RT: 2.001 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

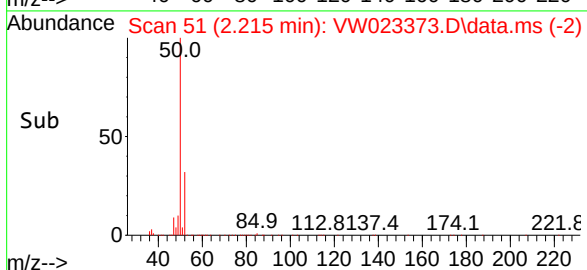
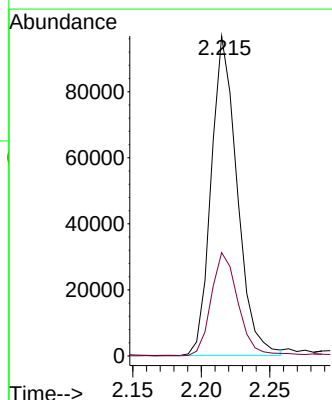
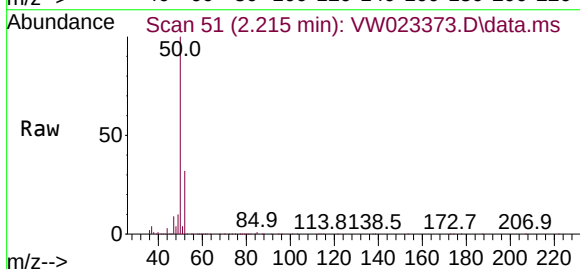
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

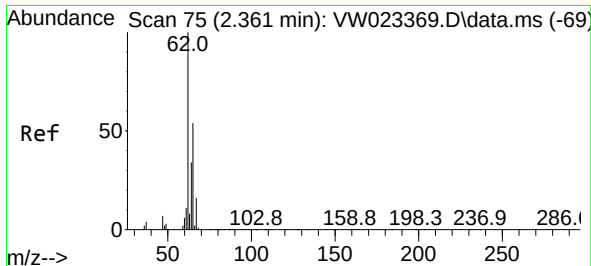
Tgt Ion: 85 Resp: 49713  
Ion Ratio Lower Upper  
85 100  
87 28.1 26.3 39.5



#3  
Chloromethane  
Concen: 26.170 ug/L  
RT: 2.215 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 50 Resp: 127743  
Ion Ratio Lower Upper  
50 100  
52 32.3 22.8 42.4

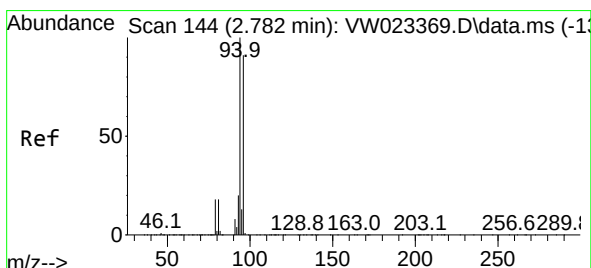
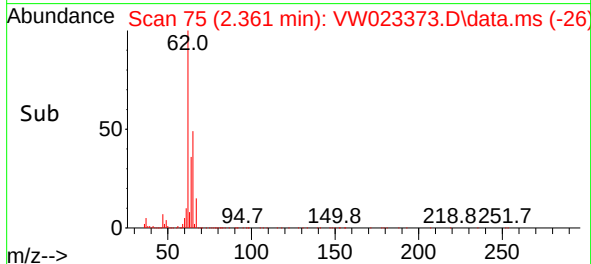
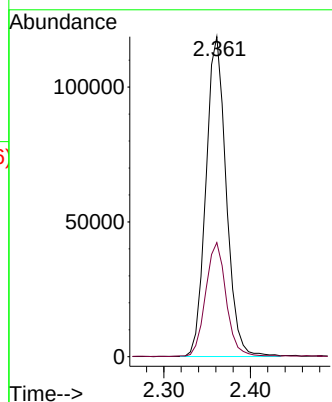
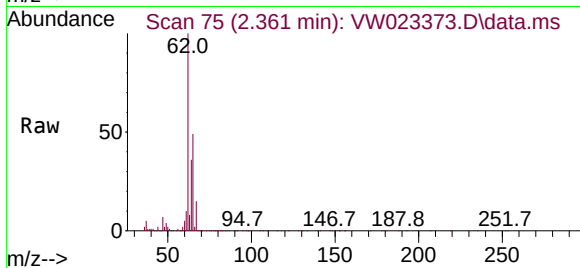




#5  
 Vinyl chloride  
 Concen: 25.358 ug/L  
 RT: 2.361 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VW023373.D  
 Acq: 02 Jun 2022 14:05

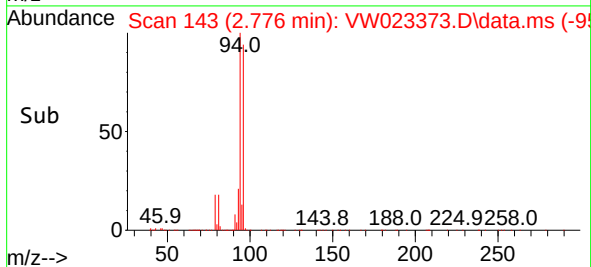
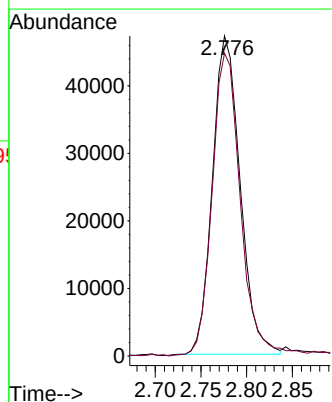
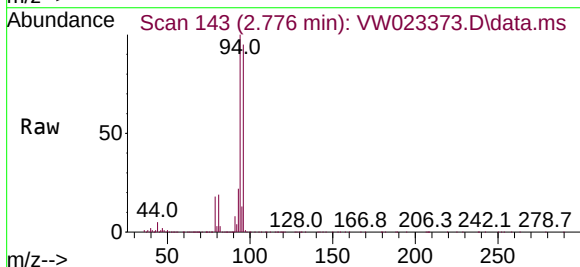
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025558

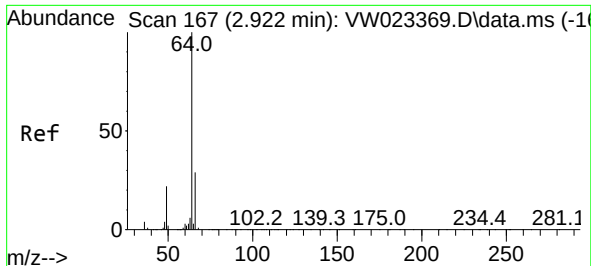
Tgt Ion: 62 Resp: 192672  
 Ion Ratio Lower Upper  
 62 100  
 64 35.6 23.9 44.3



#6  
 Bromomethane  
 Concen: 26.724 ug/L  
 RT: 2.776 min Scan# 143  
 Delta R.T. -0.006 min  
 Lab File: VW023373.D  
 Acq: 02 Jun 2022 14:05

Tgt Ion: 94 Resp: 99123  
 Ion Ratio Lower Upper  
 94 100  
 96 94.6 63.8 118.4

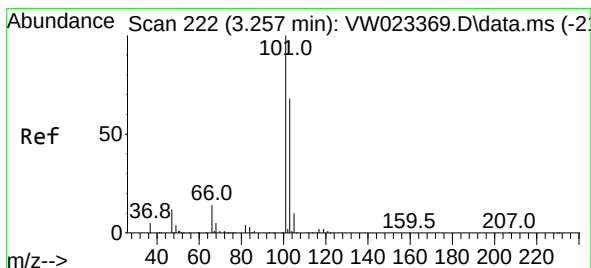
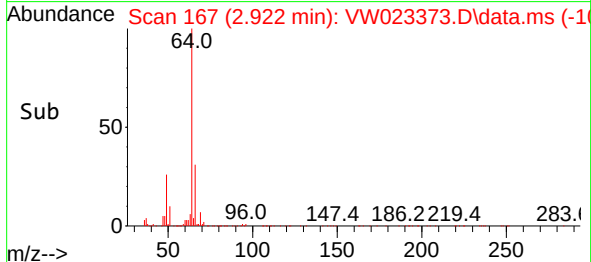
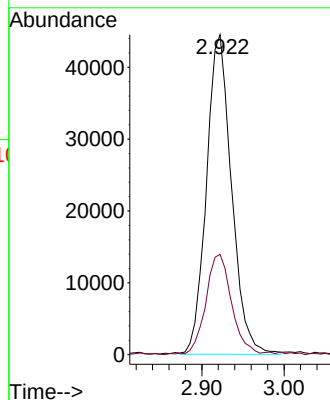
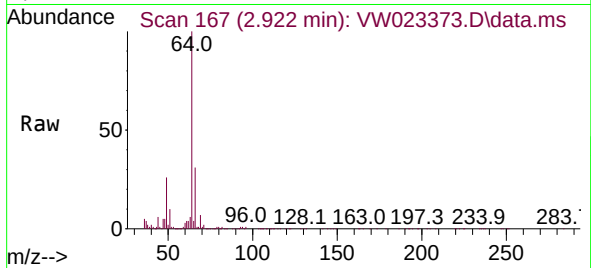




#8  
Chloroethane  
Concen: 26.981 ug/L  
RT: 2.922 min Scan# 167  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

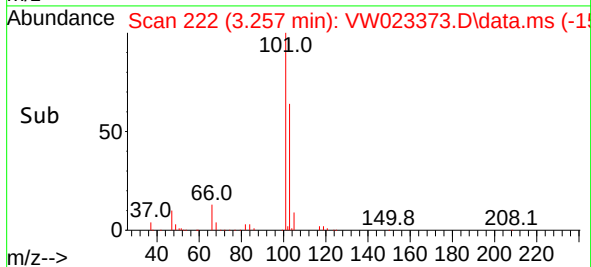
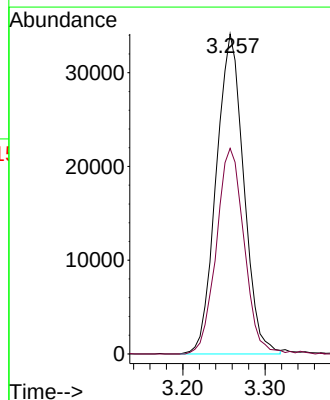
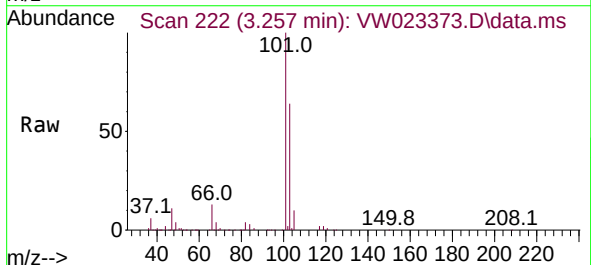
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

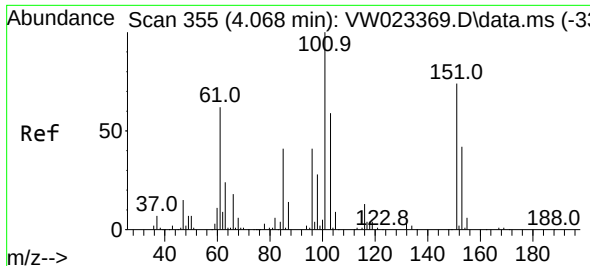
Tgt Ion: 64 Resp: 94358  
Ion Ratio Lower Upper  
64 100  
66 31.3 20.6 38.4



#9  
Trichlorofluoromethane  
Concen: 21.929 ug/L  
RT: 3.257 min Scan# 222  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 101 Resp: 79358  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.7 77.5





#10

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

Concen: 24.235 ug/L

RT: 4.062 min Scan# 31

Delta R.T. -0.006 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025558

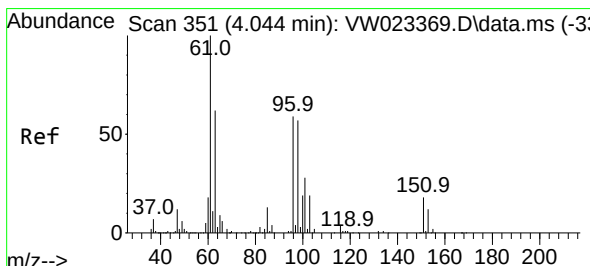
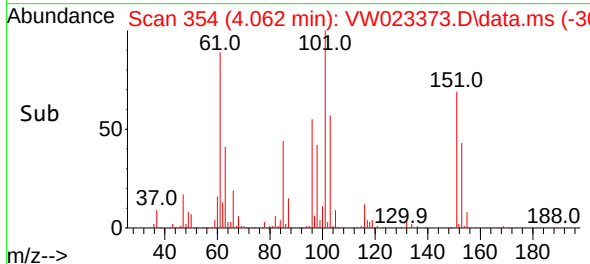
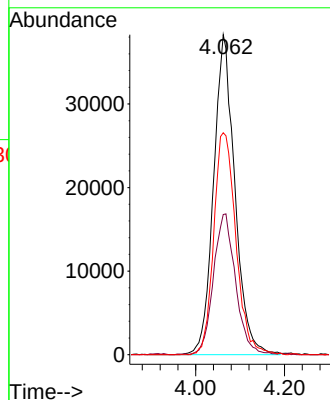
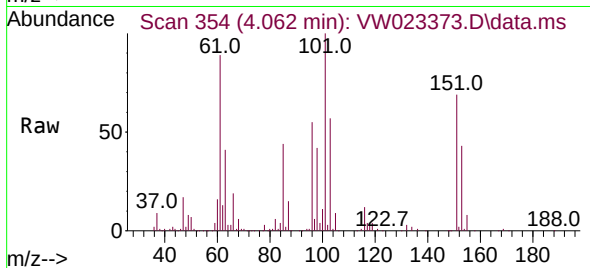
Tgt Ion:101 Resp: 127233

Ion Ratio Lower Upper

101 100

85 45.6 35.4 53.0

151 72.0 57.7 86.5



#12

1,1-Dichloroethene

Concen: 25.281 ug/L

RT: 4.038 min Scan# 350

Delta R.T. -0.006 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

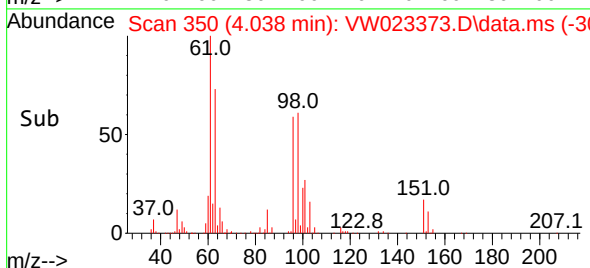
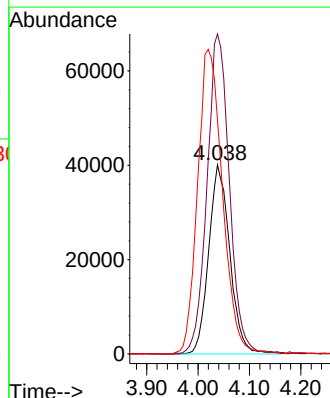
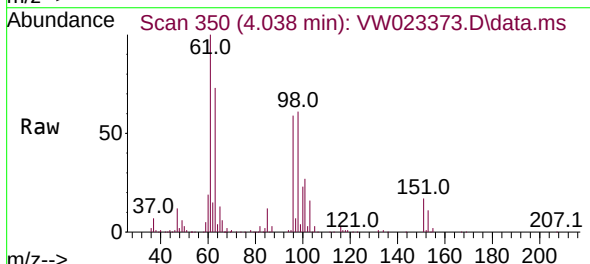
Tgt Ion: 96 Resp: 114522

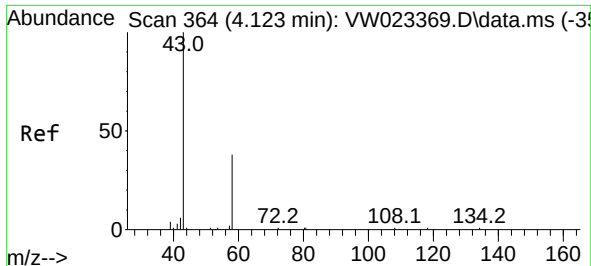
Ion Ratio Lower Upper

96 100

61 169.2 119.4 221.8

63 123.7 74.7 138.7

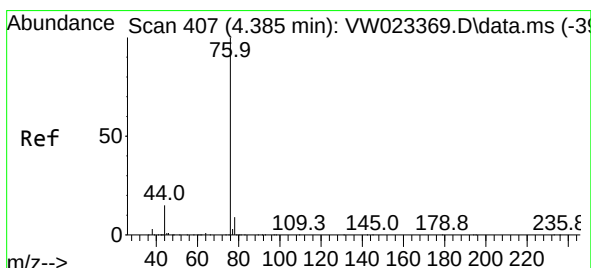
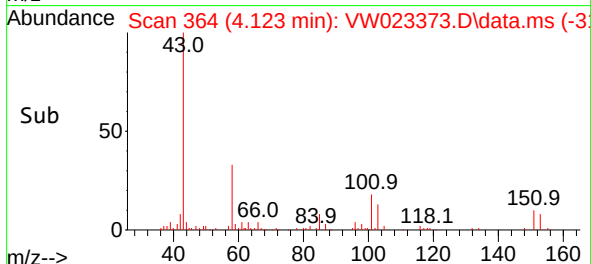
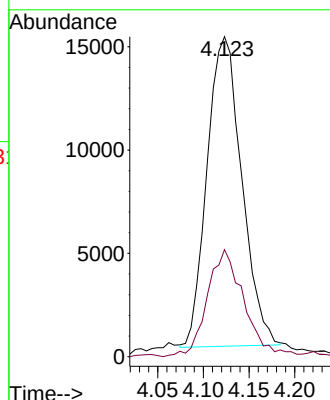
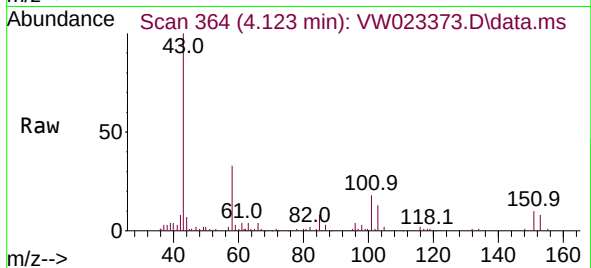




#13  
Acetone  
Concen: 45.162 ug/L  
RT: 4.123 min Scan# 364  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

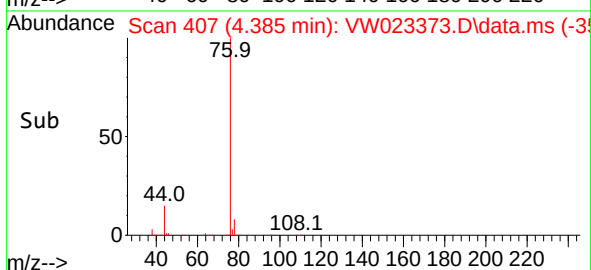
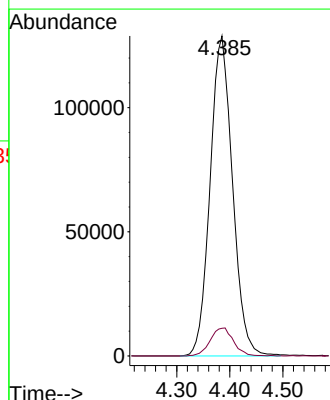
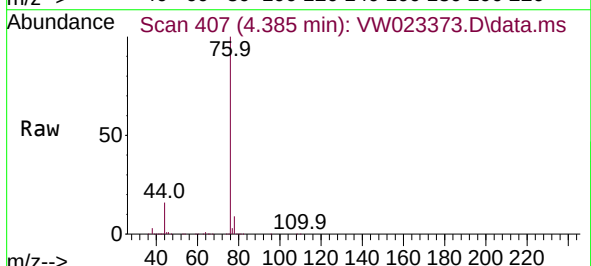
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

Tgt Ion: 43 Resp: 39525  
Ion Ratio Lower Upper  
43 100  
58 35.6 0.0 63.0

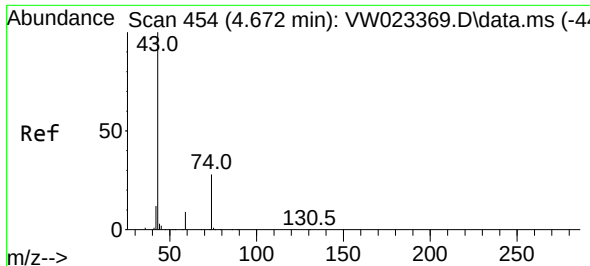


#14  
Carbon disulfide  
Concen: 25.038 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 76 Resp: 378862  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.0 10.6



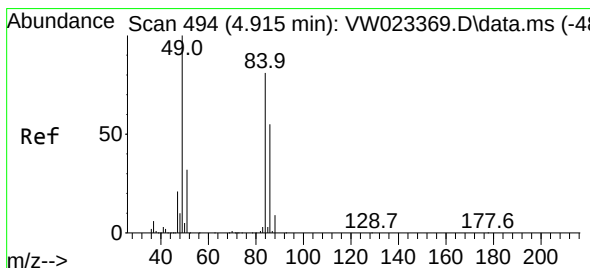
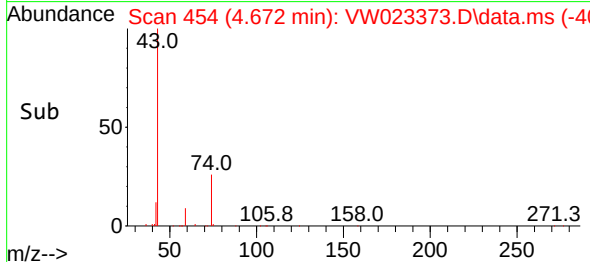
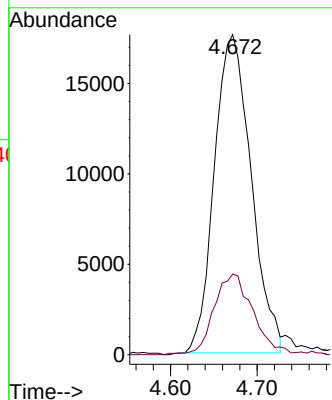
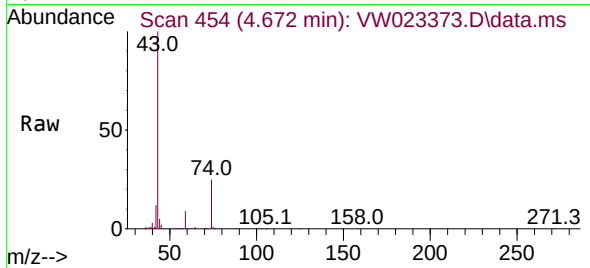




#15  
Methyl Acetate  
Concen: 26.435 ug/L  
RT: 4.672 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

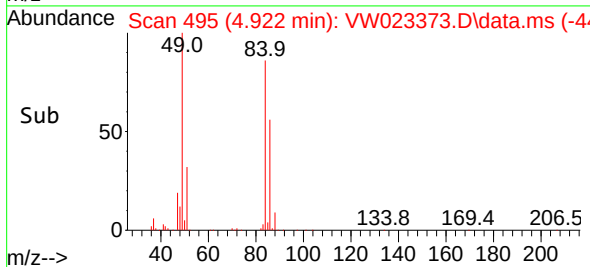
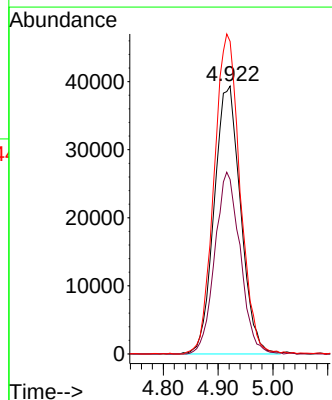
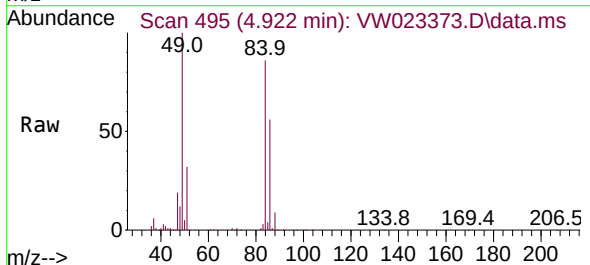
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

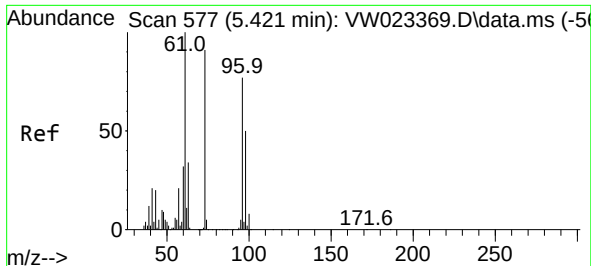
Tgt Ion: 43 Resp: 52051  
Ion Ratio Lower Upper  
43 100  
74 25.9 20.2 30.2



#16  
Methylene chloride  
Concen: 23.300 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 84 Resp: 131928  
Ion Ratio Lower Upper  
84 100  
86 65.1 47.3 87.9  
49 116.7 86.8 161.2

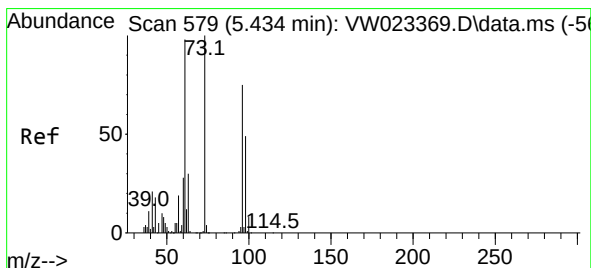
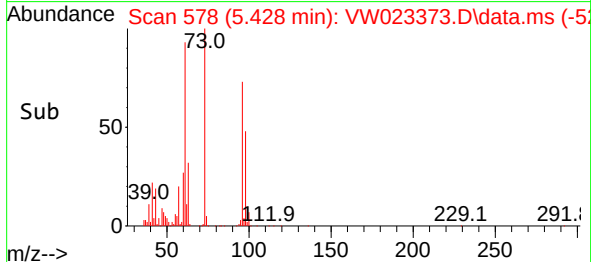
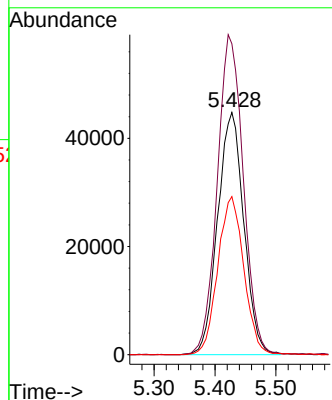
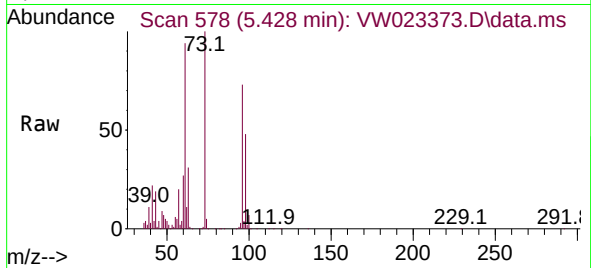




#17  
trans-1,2-Dichloroethene  
Concen: 25.295 ug/L  
RT: 5.428 min Scan# 577  
Delta R.T. 0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

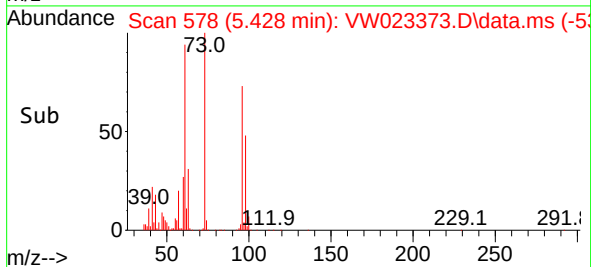
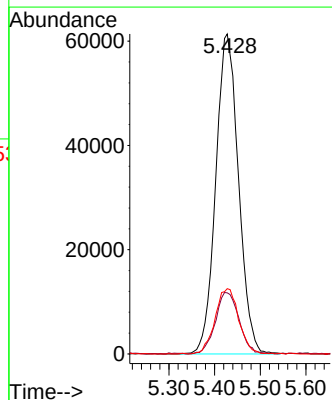
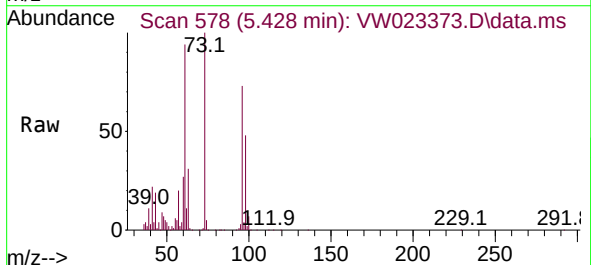
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

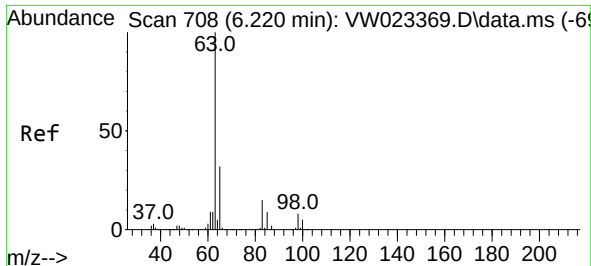
Tgt Ion: 96 Resp: 133682  
Ion Ratio Lower Upper  
96 100  
61 128.3 91.6 170.0  
98 65.3 46.1 85.7



#18  
Methyl tert-butyl Ether  
Concen: 27.323 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 73 Resp: 212578  
Ion Ratio Lower Upper  
73 100  
43 19.8 16.6 25.0  
57 21.1 17.1 25.7





#19

1,1-Dichloroethane

Concen: 24.898 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025558

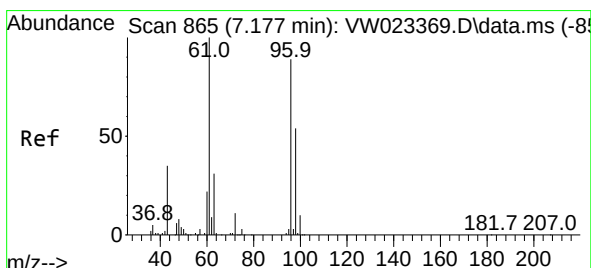
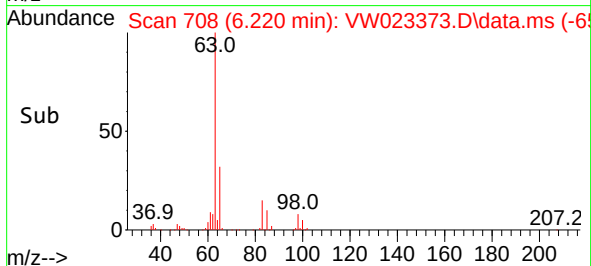
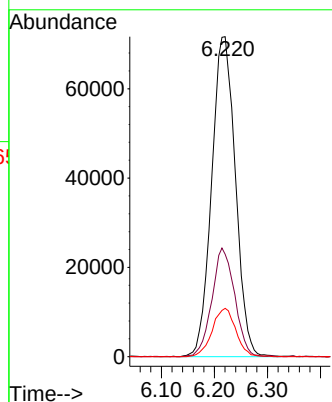
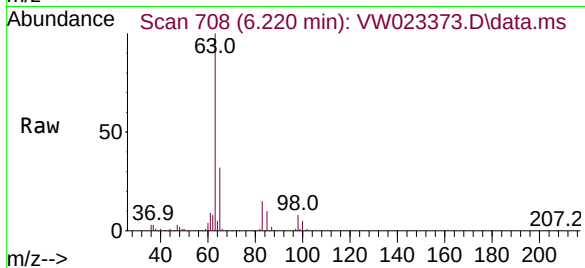
Tgt Ion: 63 Resp: 222892

Ion Ratio Lower Upper

63 100

65 32.0 22.7 42.1

83 15.1 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 25.774 ug/L

RT: 7.171 min Scan# 864

Delta R.T. -0.006 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

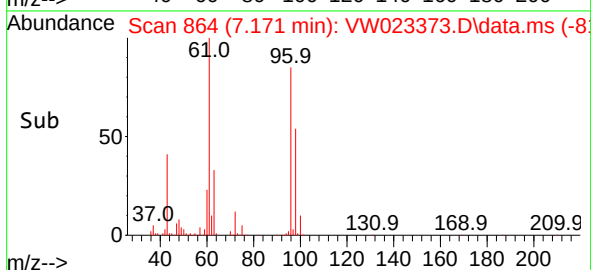
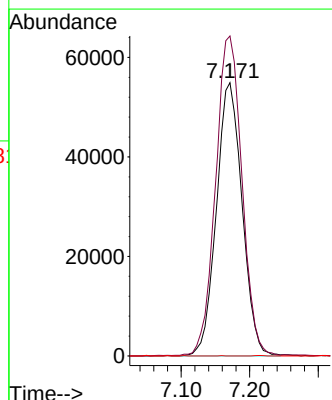
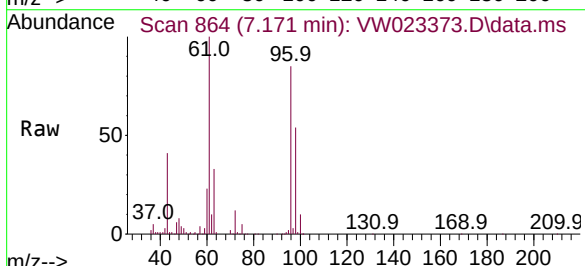
Tgt Ion: 96 Resp: 143039

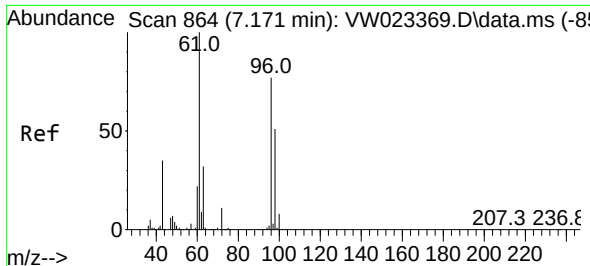
Ion Ratio Lower Upper

96 100

61 117.1 78.6 146.0

68 0.0 0.0 0.0

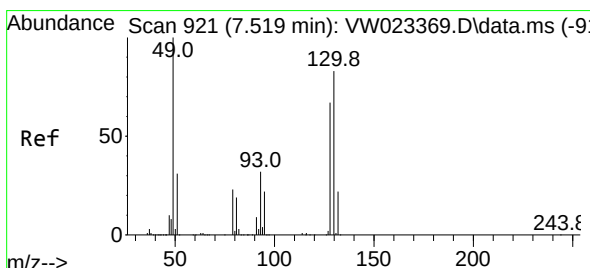
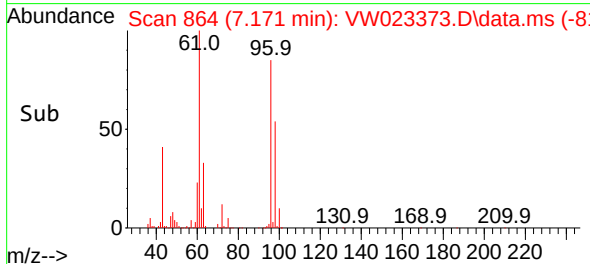
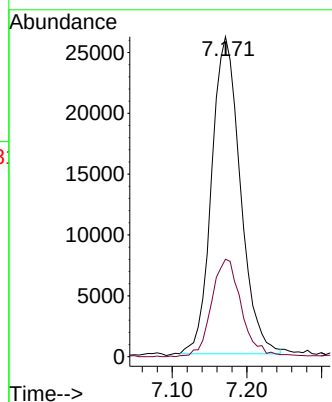
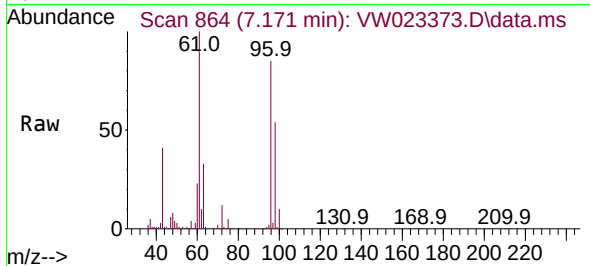




#22  
2-Butanone  
Concen: 52.531 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

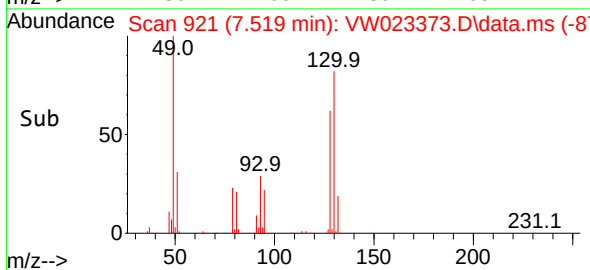
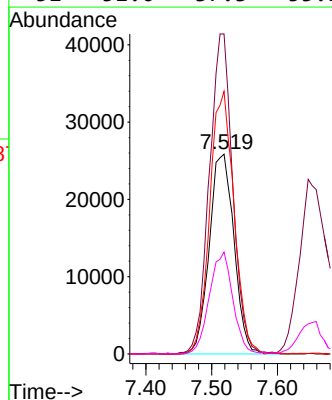
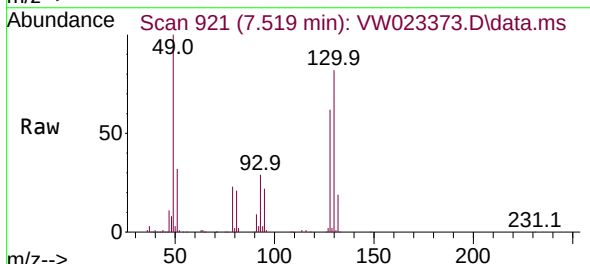
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

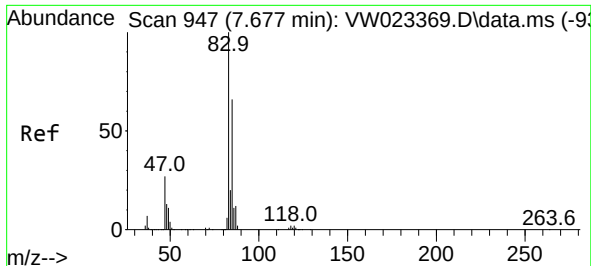
Tgt Ion: 43 Resp: 69854  
Ion Ratio Lower Upper  
43 100  
72 30.4 15.7 47.0



#23  
Bromochloromethane  
Concen: 25.710 ug/L  
RT: 7.519 min Scan# 921  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 128 Resp: 67705  
Ion Ratio Lower Upper  
128 100  
49 160.1 105.1 195.3  
130 131.4 86.9 161.5  
51 51.0 37.3 55.9

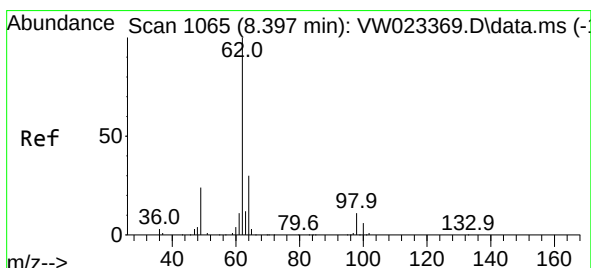
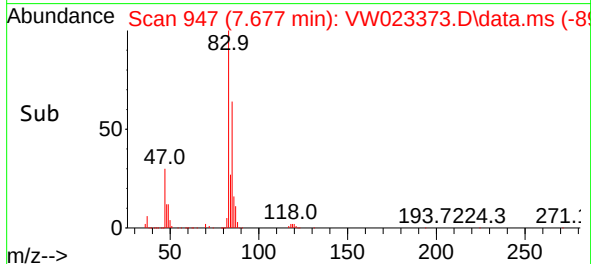
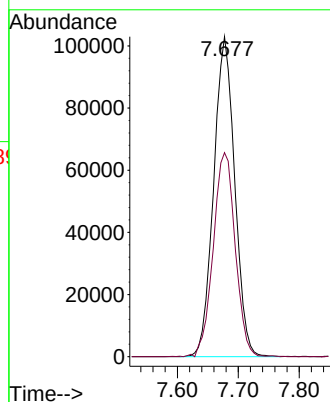
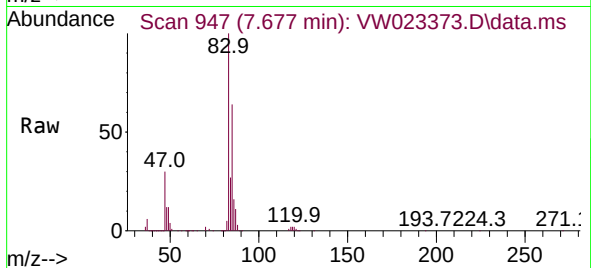




#25  
Chloroform  
Concen: 25.233 ug/L  
RT: 7.677 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

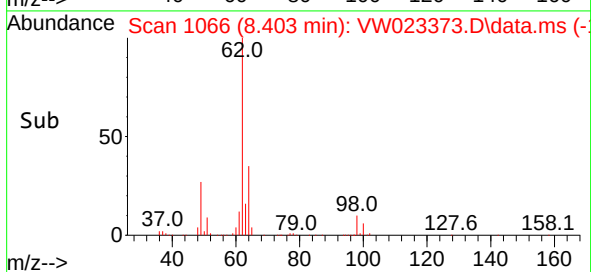
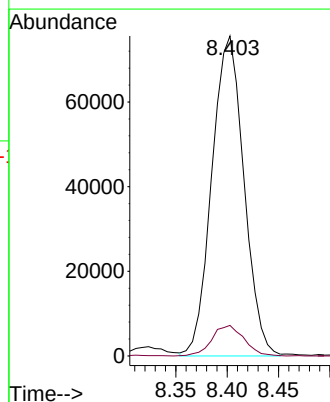
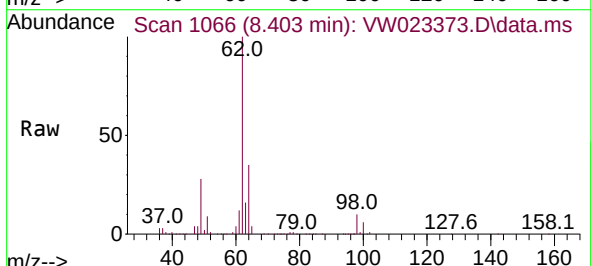
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

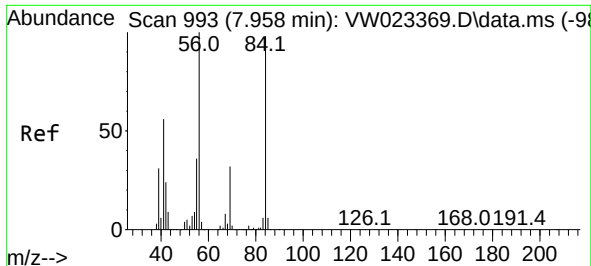
Tgt Ion: 83 Resp: 247238  
Ion Ratio Lower Upper  
83 100  
85 63.8 46.7 86.7



#27  
1,2-Dichloroethane  
Concen: 26.035 ug/L  
RT: 8.403 min Scan# 1066  
Delta R.T. 0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 62 Resp: 164235  
Ion Ratio Lower Upper  
62 100  
98 9.6 8.5 12.7

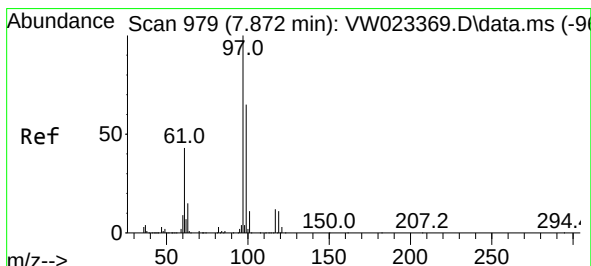
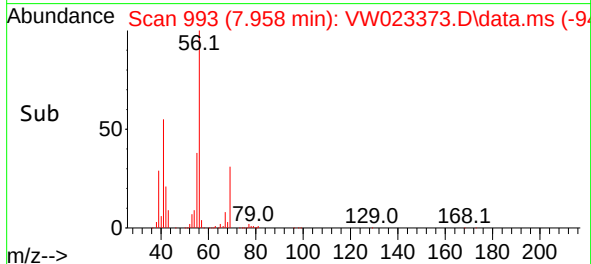
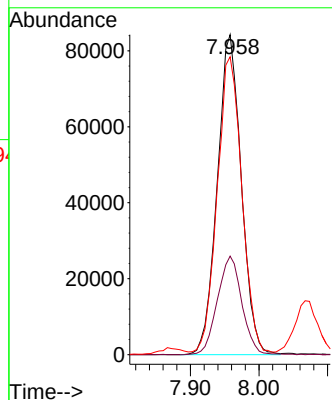
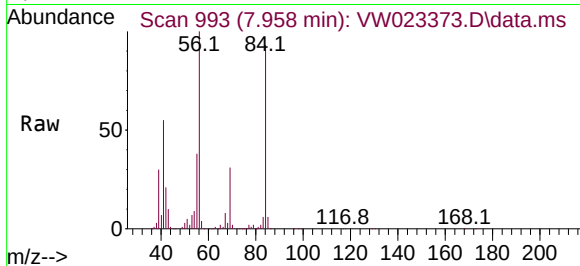




#29  
Cyclohexane  
Concen: 25.533 ug/L  
RT: 7.958 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

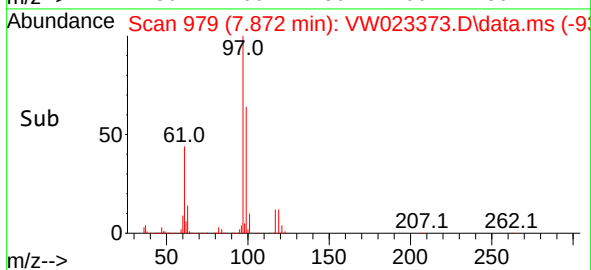
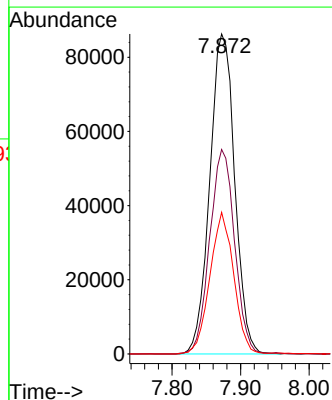
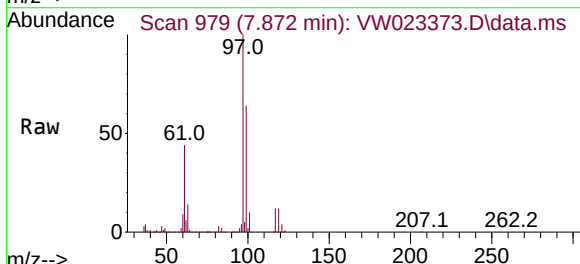
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

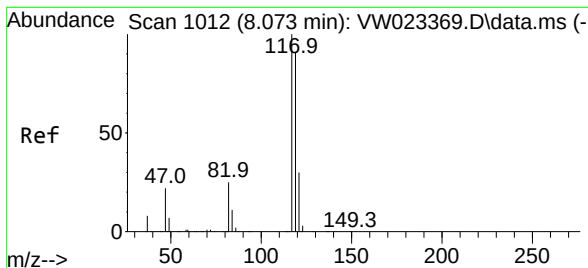
Tgt Ion: 56 Resp: 204764  
Ion Ratio Lower Upper  
56 100  
69 31.3 25.2 37.8  
84 95.8 78.3 117.5



#30  
1,1,1-Trichloroethane  
Concen: 25.183 ug/L  
RT: 7.872 min Scan# 979  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 97 Resp: 218165  
Ion Ratio Lower Upper  
97 100  
99 63.7 51.4 77.2  
61 42.3 34.7 52.1

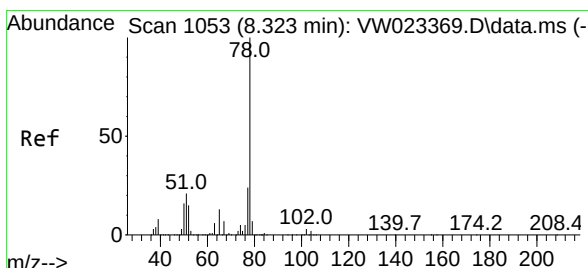
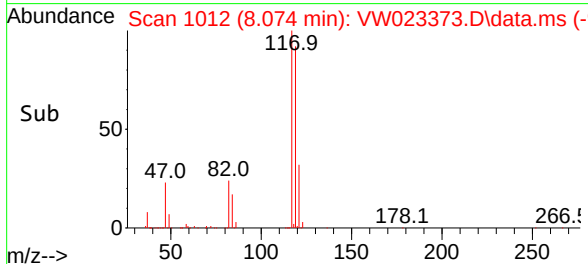
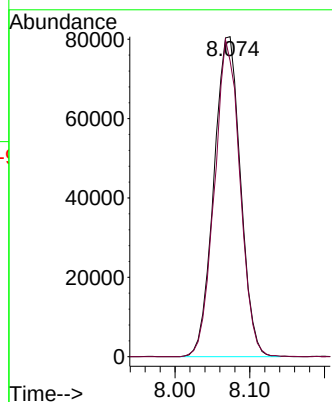
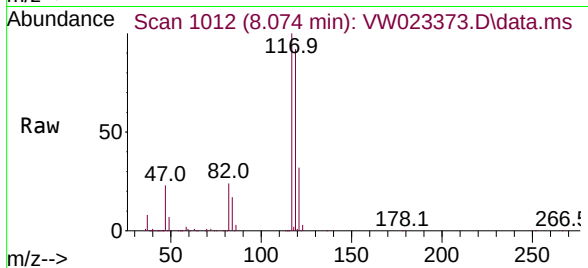




#31  
Carbon tetrachloride  
Concen: 24.546 ug/L  
RT: 8.074 min Scan# 1012  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

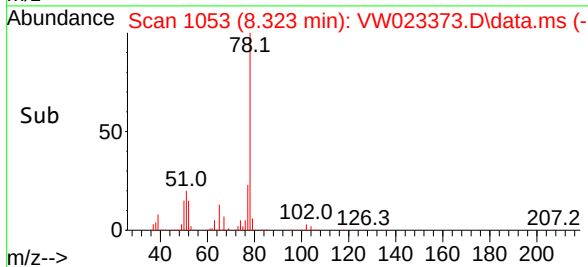
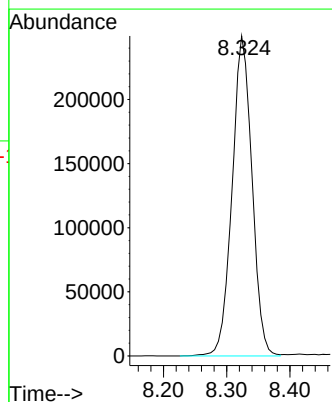
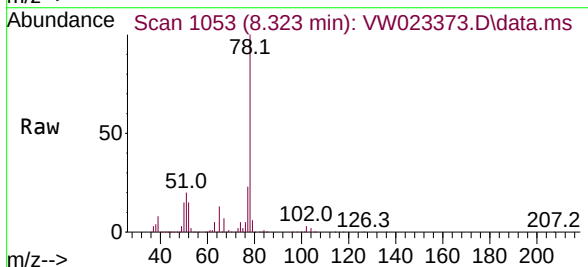
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

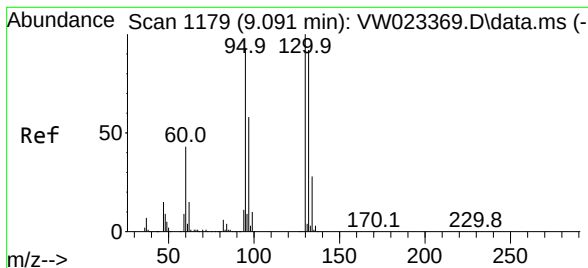
Tgt Ion:117 Resp: 199995  
Ion Ratio Lower Upper  
117 100  
119 94.8 75.6 113.4



#33  
Benzene  
Concen: 25.453 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 78 Resp: 545795





#34

Trichloroethene

Concen: 24.984 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025558

Tgt Ion: 95 Resp: 145096

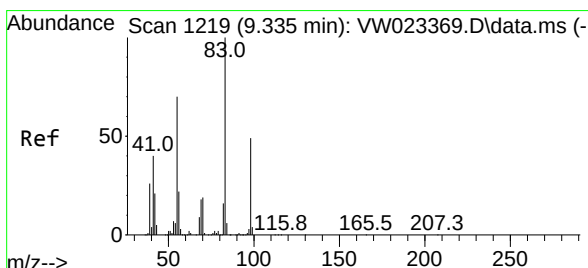
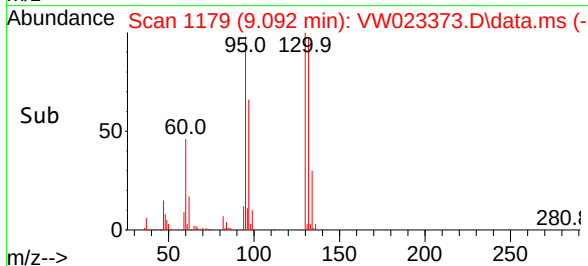
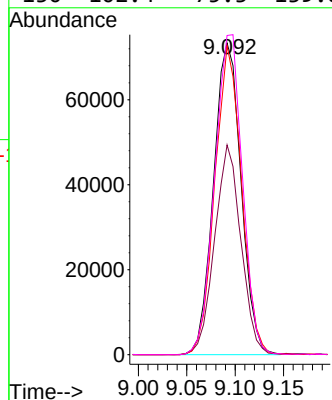
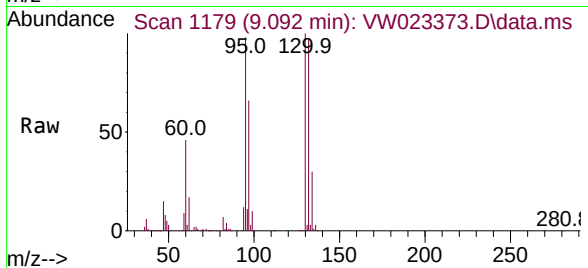
Ion Ratio Lower Upper

95 100

97 67.3 43.8 81.3

132 99.1 68.9 127.9

130 102.4 75.3 139.8



#35

Methylcyclohexane

Concen: 25.707 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

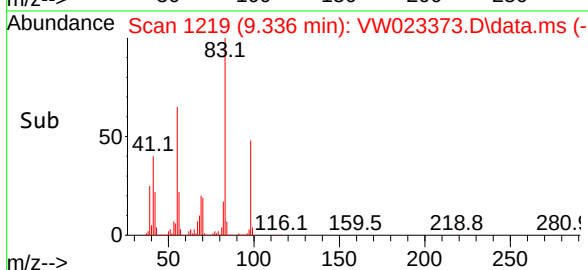
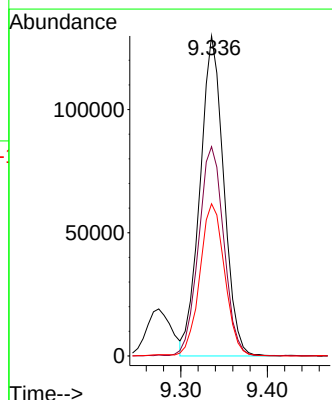
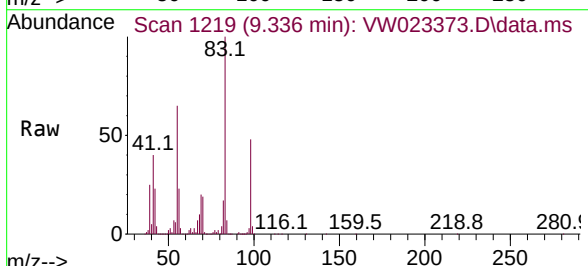
Tgt Ion: 83 Resp: 247333

Ion Ratio Lower Upper

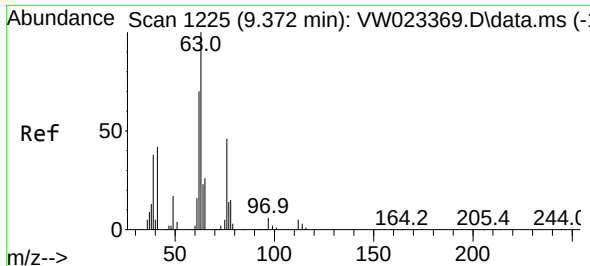
83 100

55 69.4 56.5 84.7

98 49.6 39.7 59.5







#37

1,2-Dichloropropane

Concen: 25.585 ug/L

RT: 9.366 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

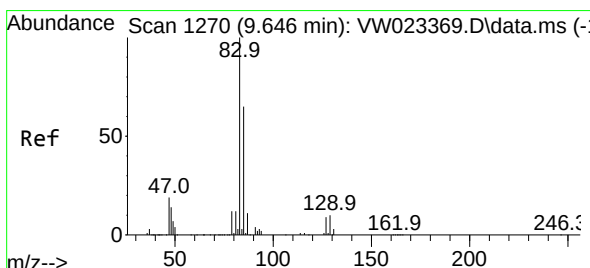
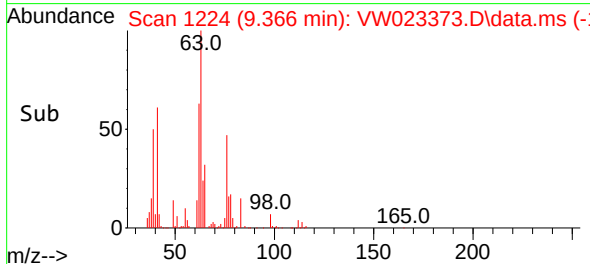
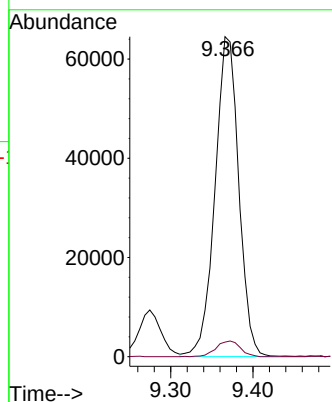
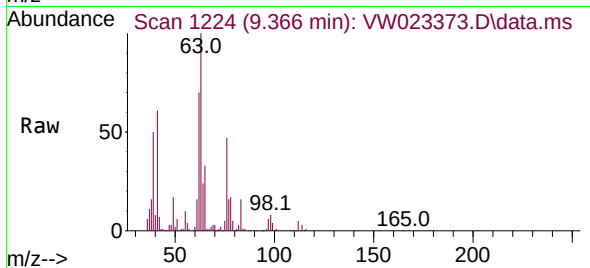
VSTD025558

Tgt Ion: 63 Resp: 129253

Ion Ratio Lower Upper

63 100

112 5.0 4.0 6.0



#38

Bromodichloromethane

Concen: 25.378 ug/L

RT: 9.646 min Scan# 1270

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

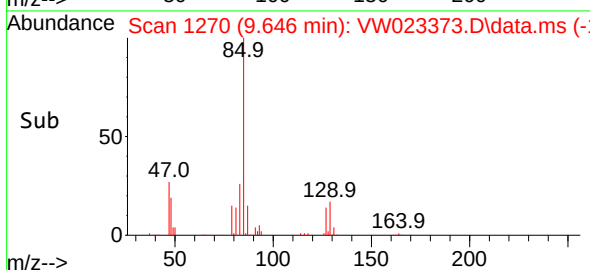
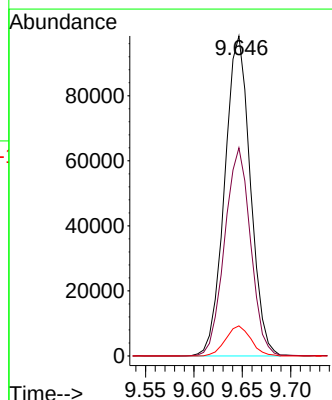
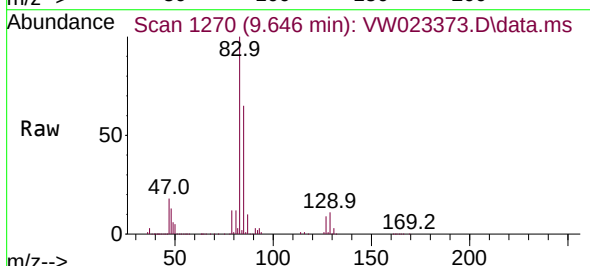
Tgt Ion: 83 Resp: 181476

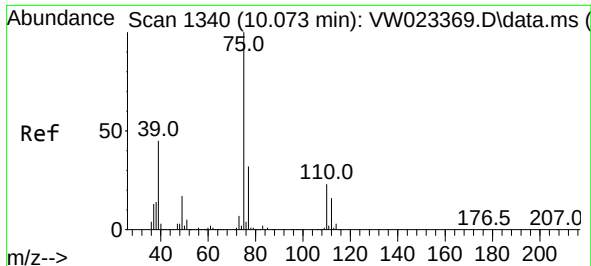
Ion Ratio Lower Upper

83 100

85 65.1 45.8 85.0

127 9.4 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 26.532 ug/L

RT: 10.073 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

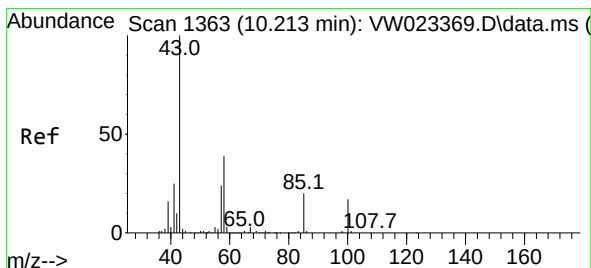
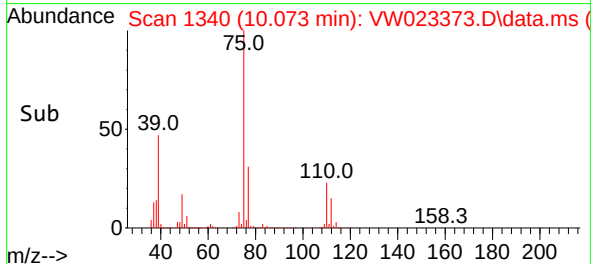
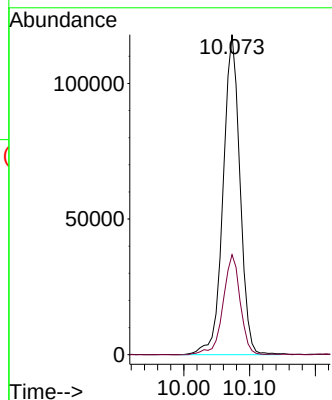
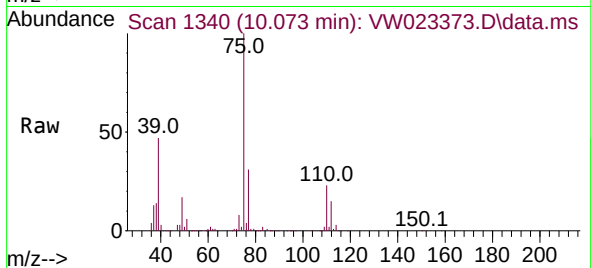
VSTD025558

Tgt Ion: 75 Resp: 210533

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 56.736 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. -0.006 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

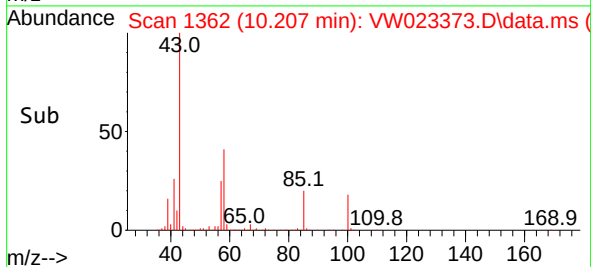
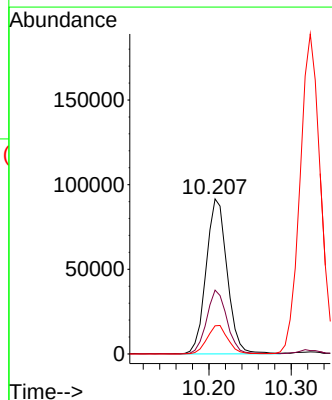
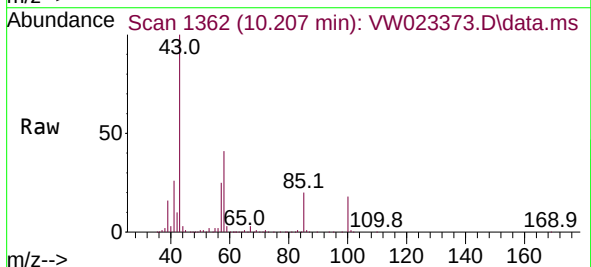
Tgt Ion: 43 Resp: 162437

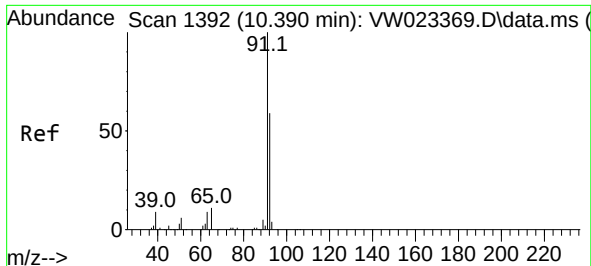
Ion Ratio Lower Upper

43 100

58 40.0 31.5 47.3

100 18.3 13.7 20.5

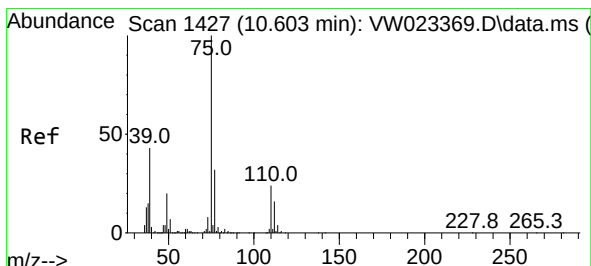
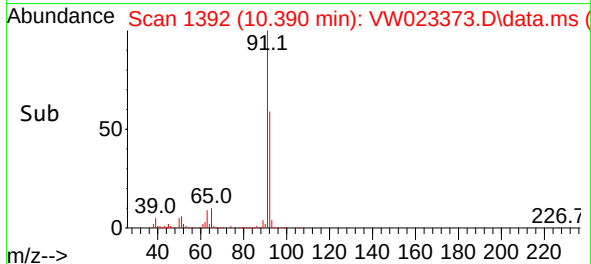
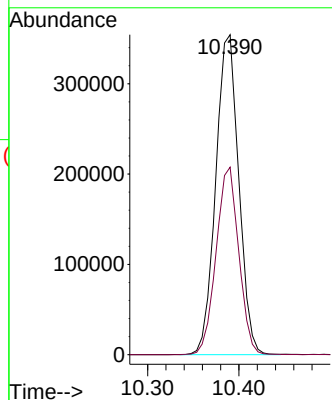
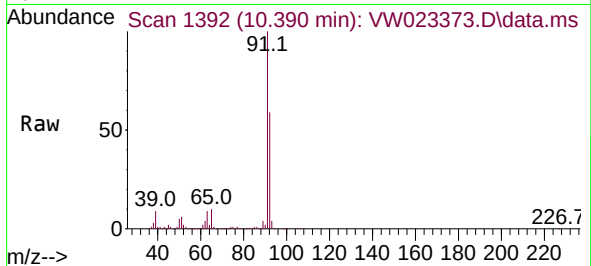




#42  
Toluene  
Concen: 26.001 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

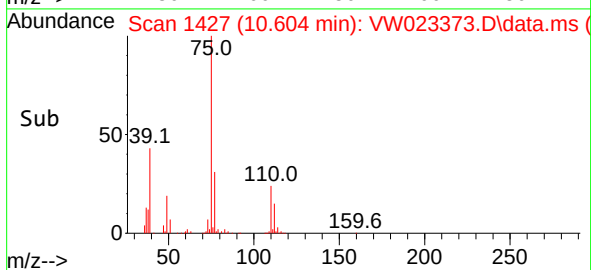
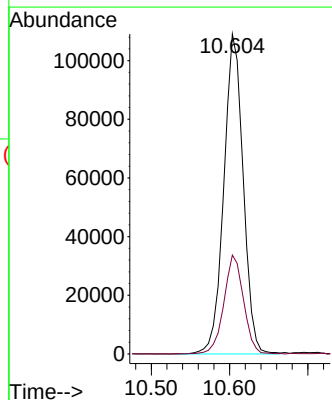
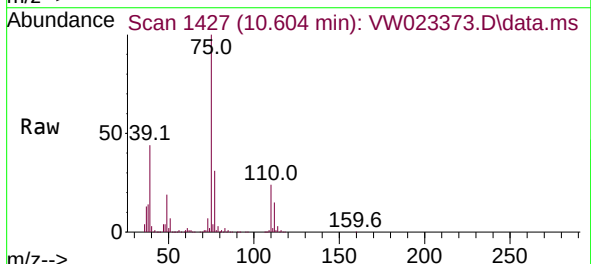
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

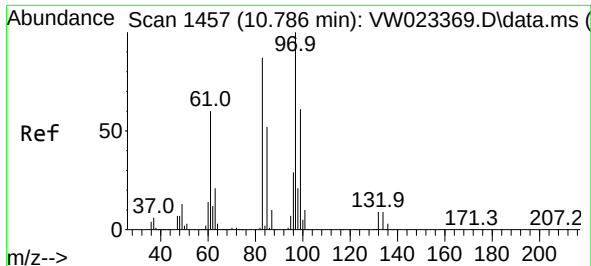
Tgt Ion: 91 Resp: 619412  
Ion Ratio Lower Upper  
91 100  
92 58.6 41.4 76.8



#44  
trans-1,3-Dichloropropene  
Concen: 26.430 ug/L  
RT: 10.604 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 75 Resp: 187662  
Ion Ratio Lower Upper  
75 100  
77 30.9 22.2 41.2

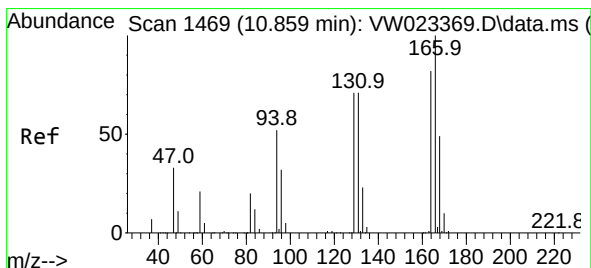
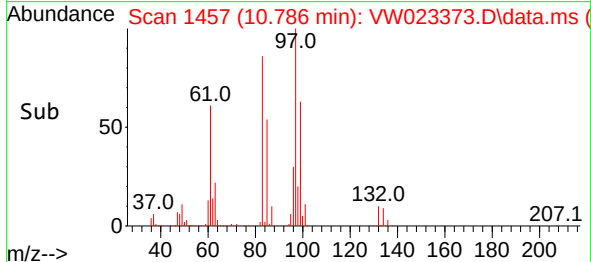
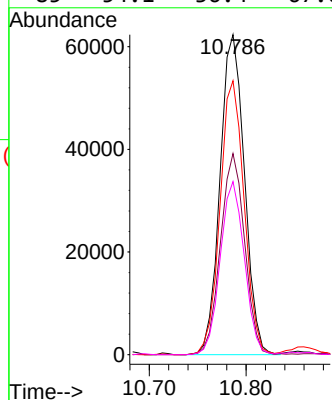
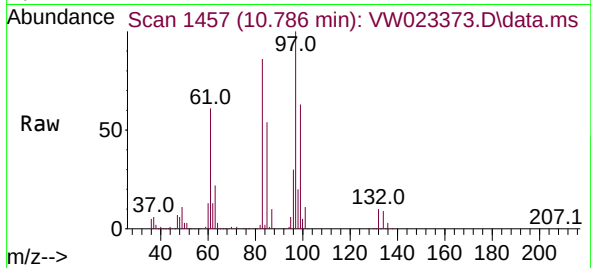




#45  
1,1,2-Trichloroethane  
Concen: 26.400 ug/L  
RT: 10.786 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

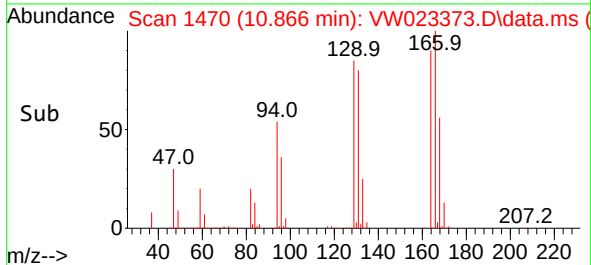
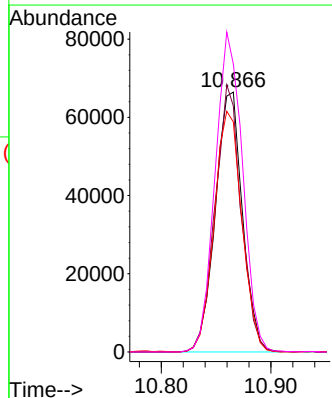
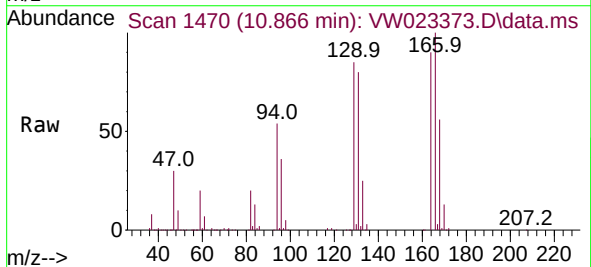
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

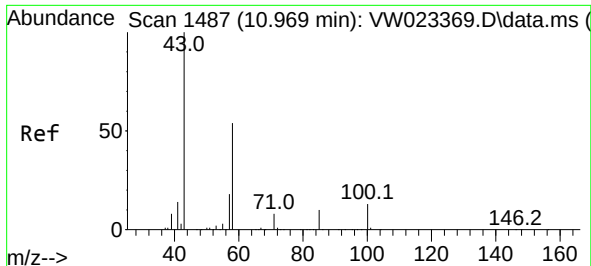
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 109195 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 99 62.9     | 42.6 79.0    |
| 83 85.6     | 61.2 113.8   |
| 85 54.1     | 36.4 67.6    |



#46  
Tetrachloroethene  
Concen: 24.579 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:164 | Resp: | 114299 |
| Ion | Ratio   | Lower | Upper  |
| 164 | 100     |       |        |
| 129 | 94.7    | 61.4  | 114.0  |
| 131 | 88.5    | 61.0  | 113.4  |
| 166 | 110.8   | 85.9  | 159.5  |

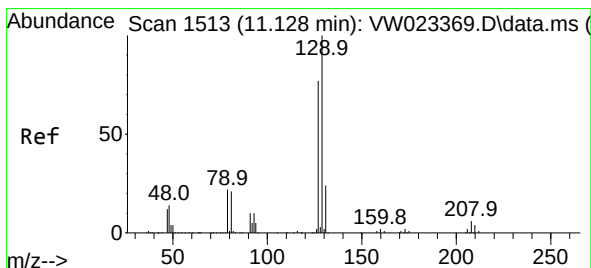
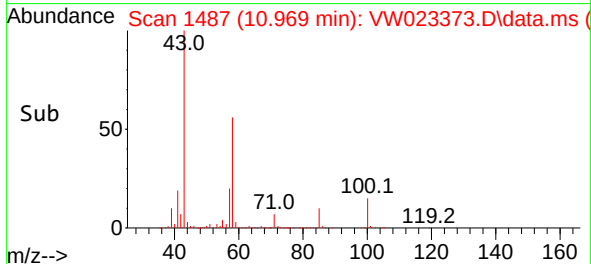
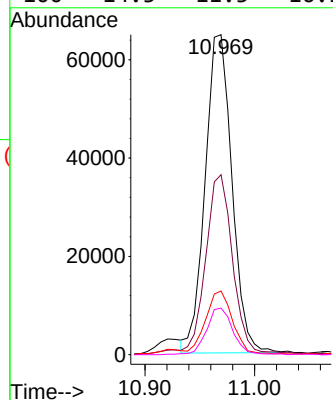
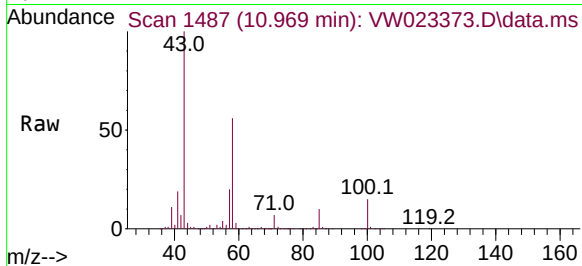




#48  
2-Hexanone  
Concen: 57.699 ug/L  
RT: 10.969 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

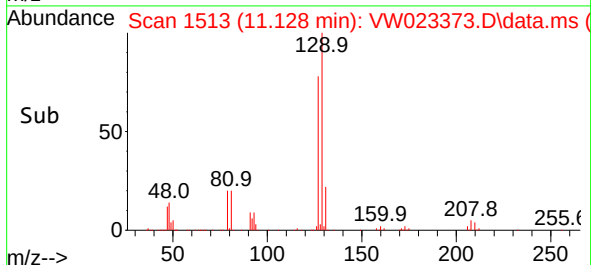
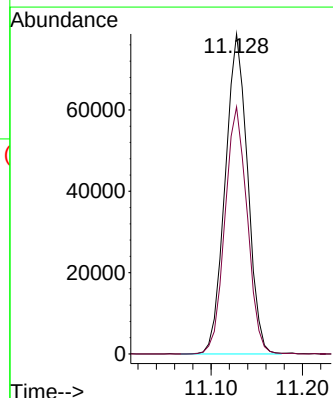
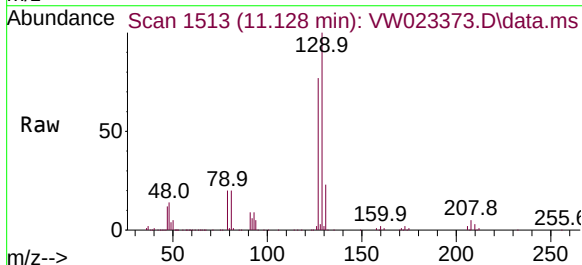
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

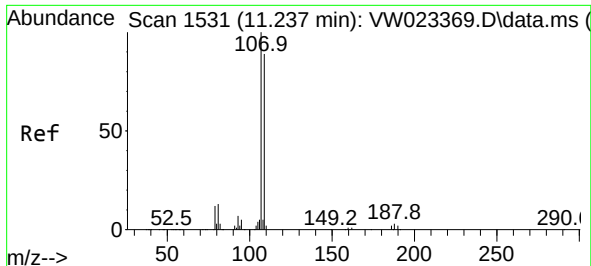
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 110412 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 55.9  | 44.4  | 66.6   |
| 57       | 20.2  | 15.6  | 23.4   |
| 100      | 14.3  | 11.3  | 16.9   |



#49  
Dibromochloromethane  
Concen: 26.408 ug/L  
RT: 11.128 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 134037 |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 77.2  | 54.2  | 100.6  |





#50

1,2-Dibromoethane

Concen: 26.561 ug/L

RT: 11.232 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025558

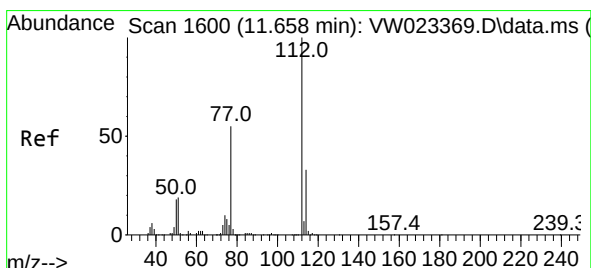
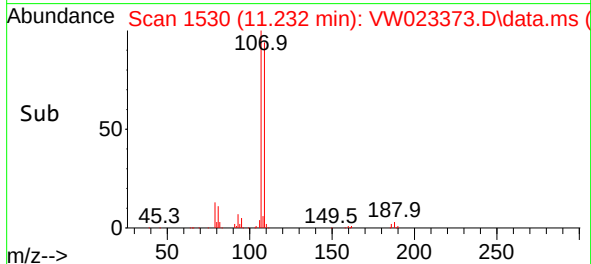
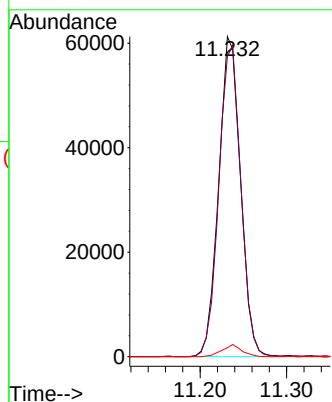
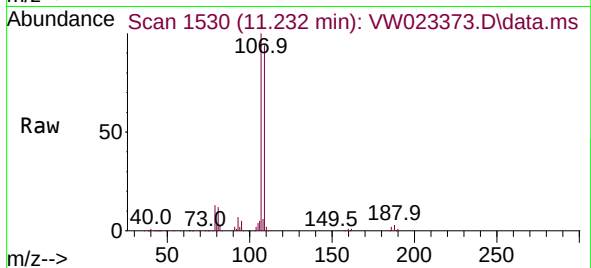
Tgt Ion:107 Resp: 107096

Ion Ratio Lower Upper

107 100

109 93.8 62.4 116.0

188 2.8 2.6 4.0



#51

Chlorobenzene

Concen: 25.637 ug/L

RT: 11.658 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

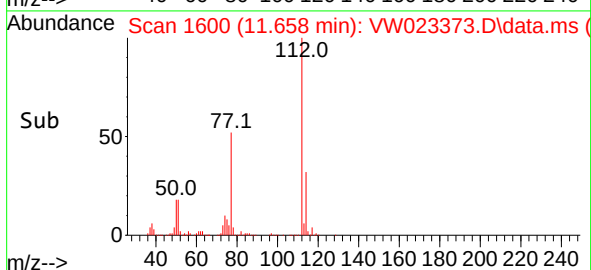
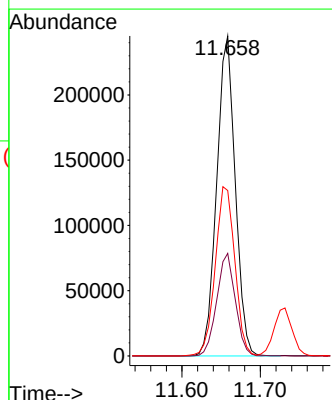
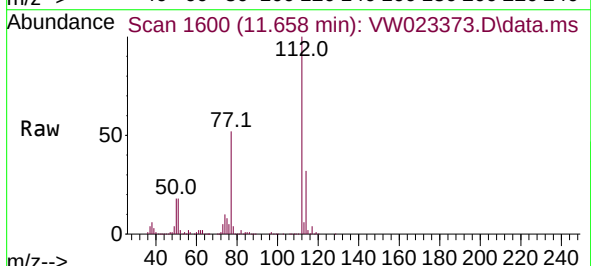
Tgt Ion:112 Resp: 403262

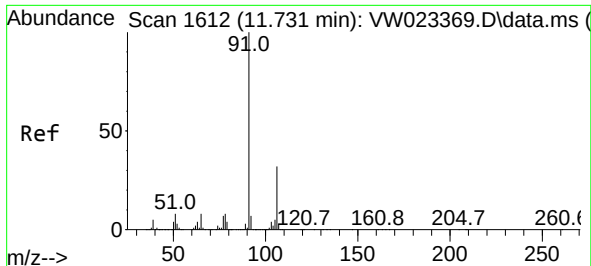
Ion Ratio Lower Upper

112 100

114 32.1 23.2 43.2

77 51.7 43.8 65.6

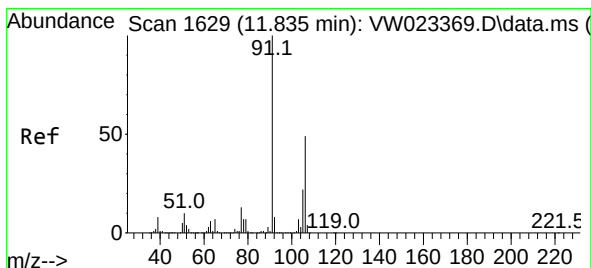
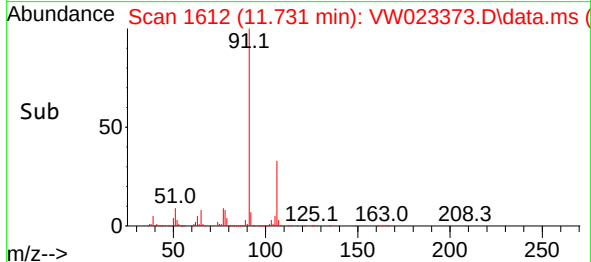
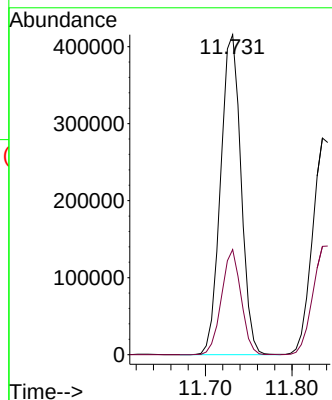
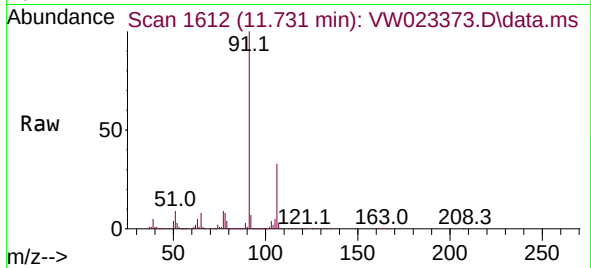




#52  
Ethylbenzene  
Concen: 25.934 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

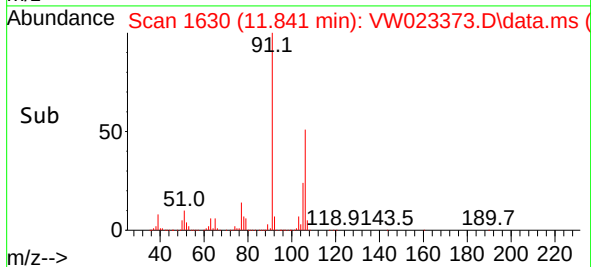
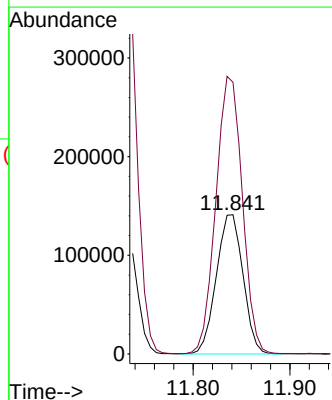
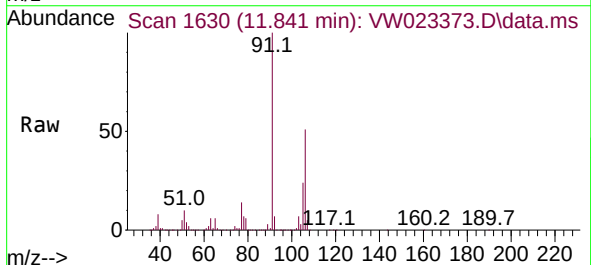
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

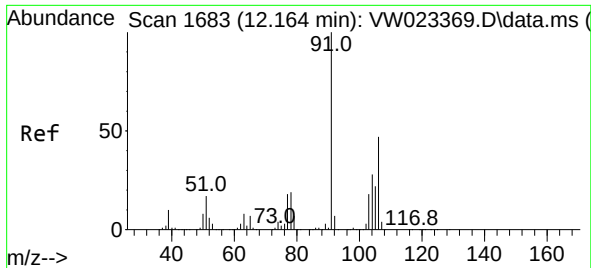
Tgt Ion: 91 Resp: 678434  
Ion Ratio Lower Upper  
91 100  
106 32.8 22.4 41.6



#53  
m,p-Xylene  
Concen: 26.087 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. 0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion: 106 Resp: 270243  
Ion Ratio Lower Upper  
106 100  
91 195.3 141.7 263.1

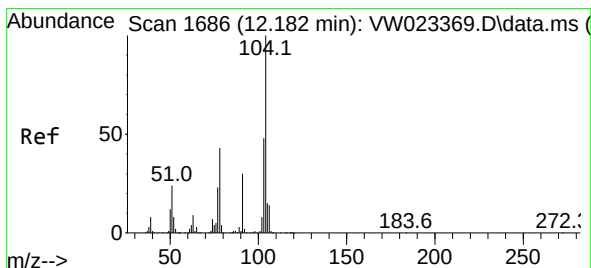
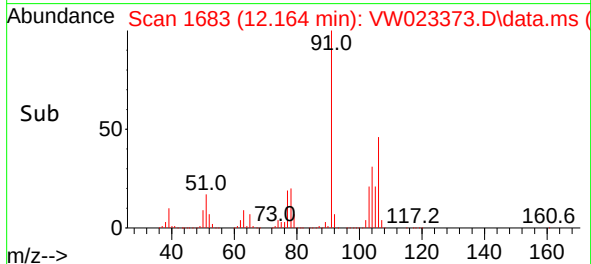
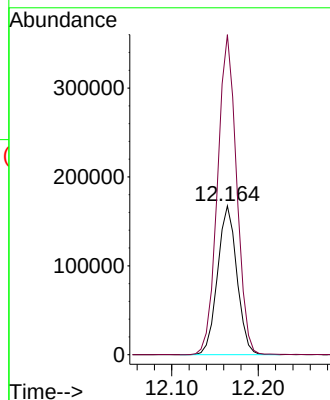
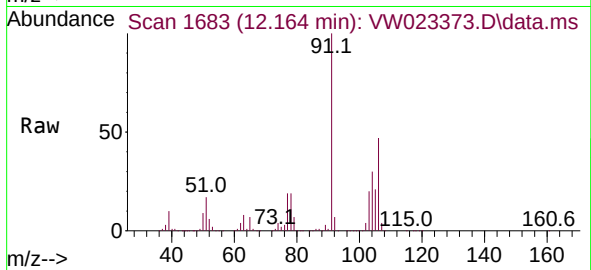




#54  
o-Xylene  
Concen: 26.179 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

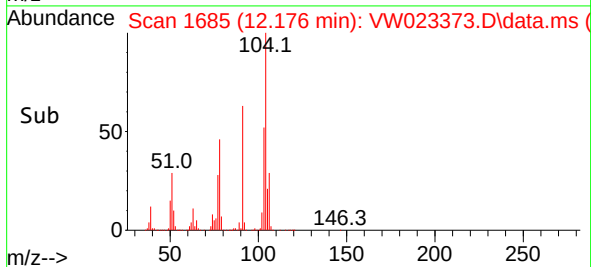
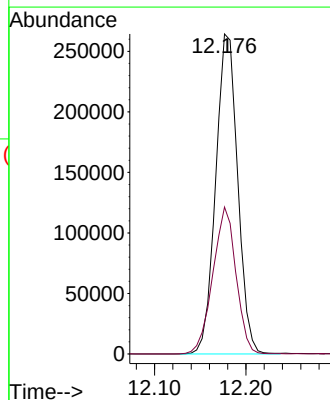
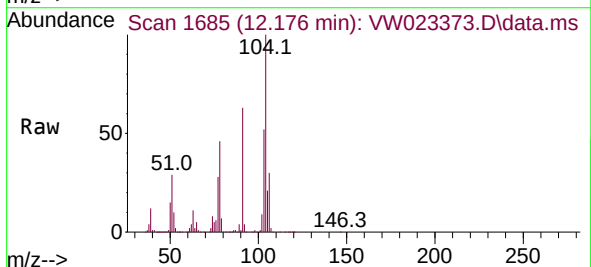
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

Tgt Ion:106 Resp: 259462  
Ion Ratio Lower Upper  
106 100  
91 215.0 148.0 274.8

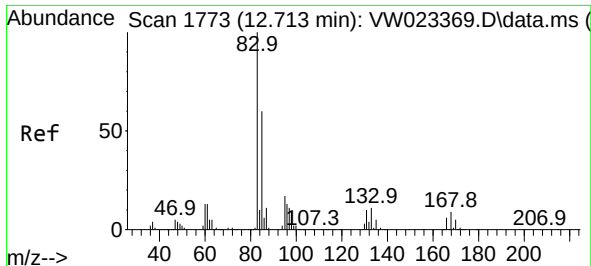


#55  
Styrene  
Concen: 26.207 ug/L  
RT: 12.176 min Scan# 1685  
Delta R.T. -0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion:104 Resp: 442672  
Ion Ratio Lower Upper  
104 100  
78 45.9 30.3 56.3







#57

1,1,2,2-Tetrachloroethane

Concen: 27.523 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025558

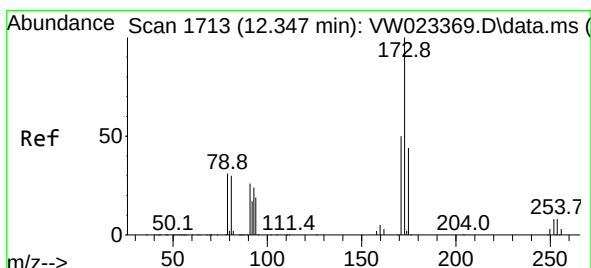
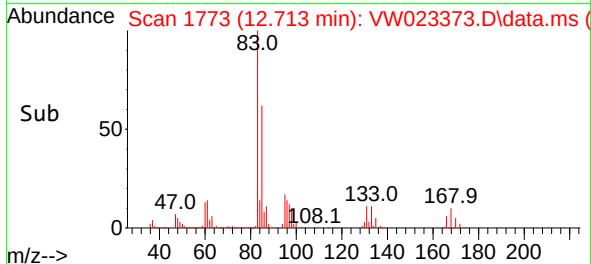
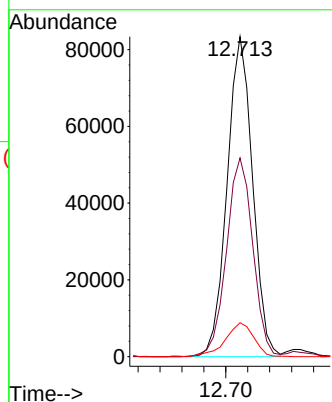
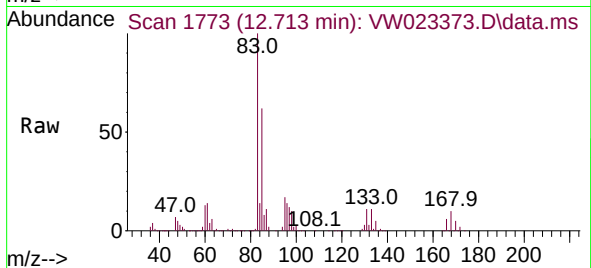
Tgt Ion: 83 Resp: 134457

Ion Ratio Lower Upper

83 100

85 62.1 42.4 78.8

131 10.6 7.8 11.6



#59

Bromoform

Concen: 25.312 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

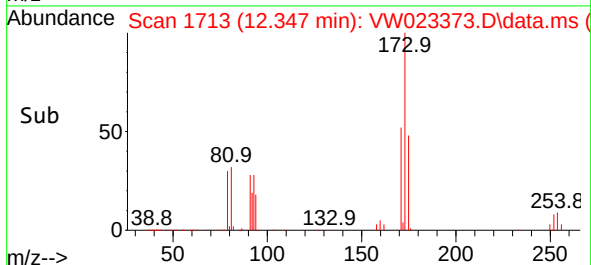
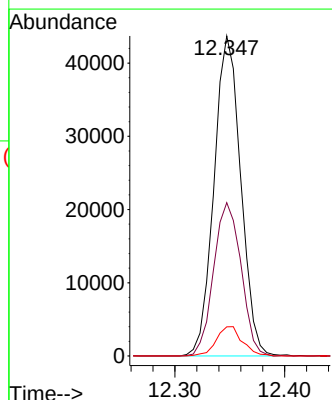
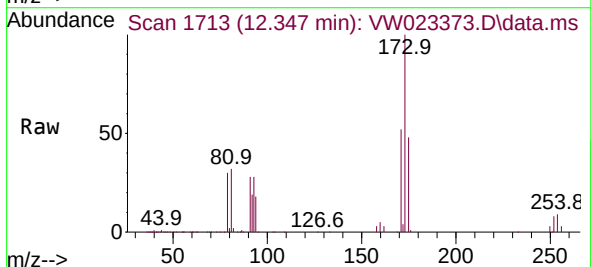
Tgt Ion:173 Resp: 74068

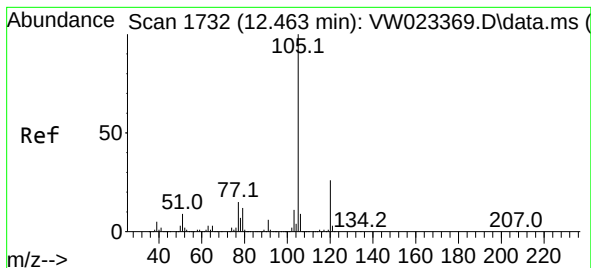
Ion Ratio Lower Upper

173 100

175 49.0 37.9 56.9

254 8.9 7.1 10.7





#60

Isopropylbenzene

Concen: 25.709 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025558

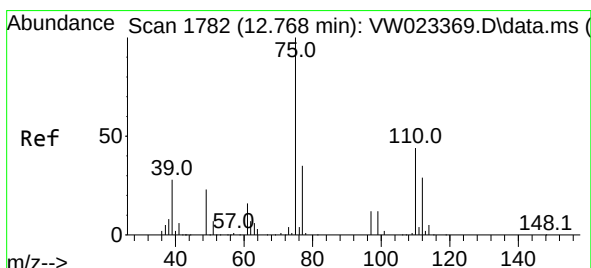
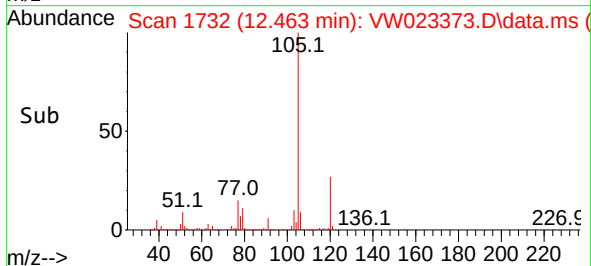
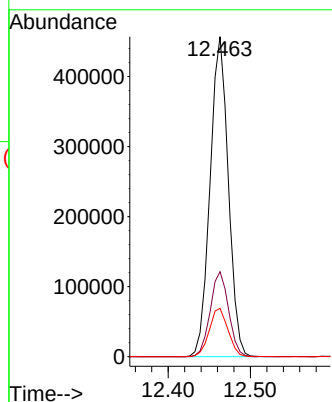
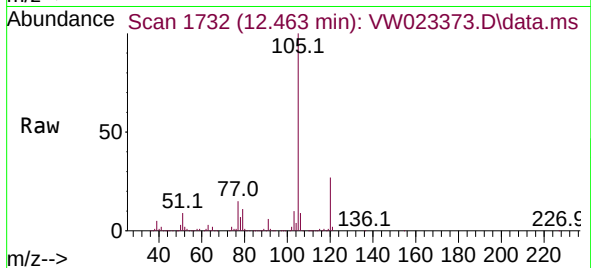
Tgt Ion:105 Resp: 702866

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

77 15.6 12.4 18.6



#61

1,2,3-Trichloropropane

Concen: 26.431 ug/L

RT: 12.768 min Scan# 1782

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

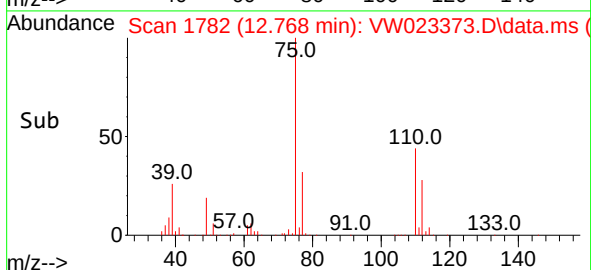
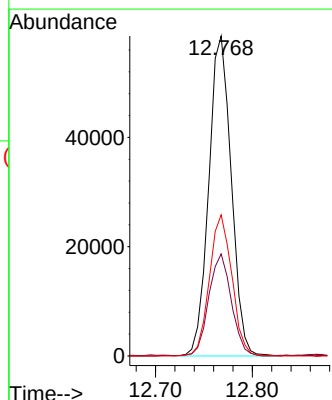
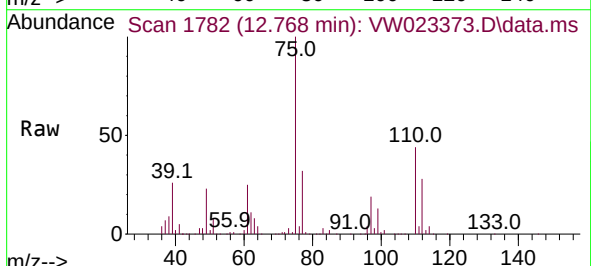
Tgt Ion: 75 Resp: 94703

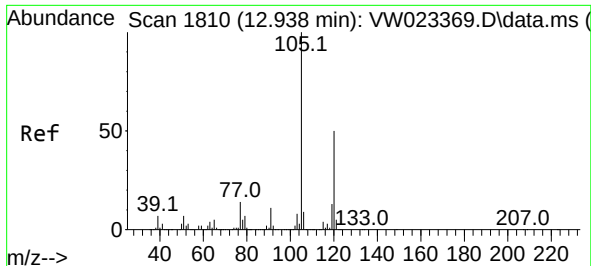
Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

110 44.0 34.7 52.1





#62

1,3,5-Trimethylbenzene

Concen: 26.075 ug/L

RT: 12.939 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

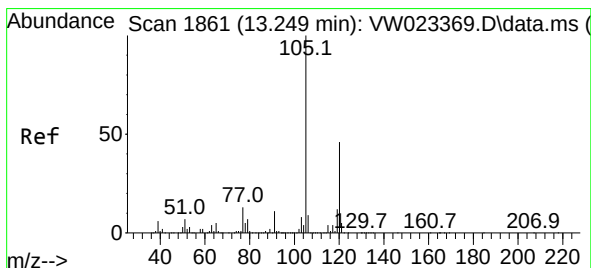
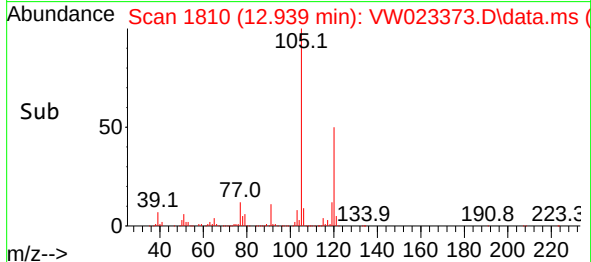
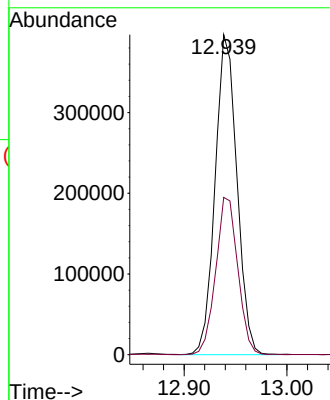
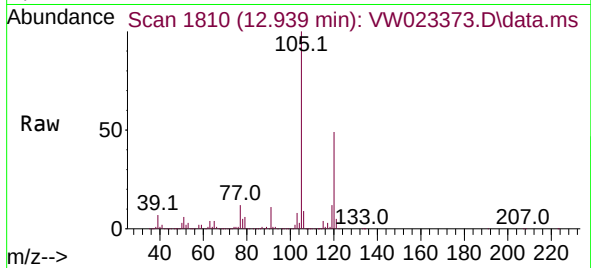
VSTD025558

Tgt Ion:105 Resp: 584073

Ion Ratio Lower Upper

105 100

120 49.9 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 25.791 ug/L

RT: 13.249 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VW023373.D

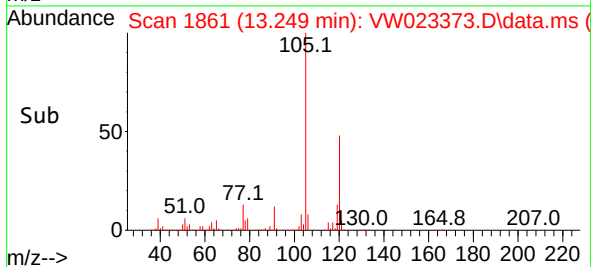
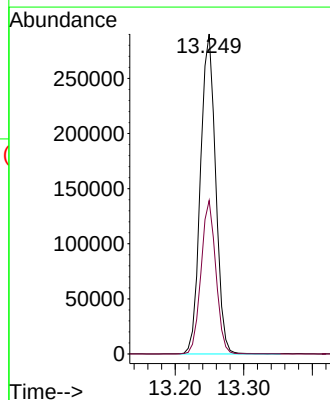
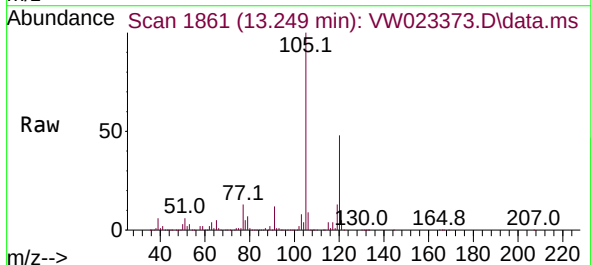
Acq: 02 Jun 2022 14:05

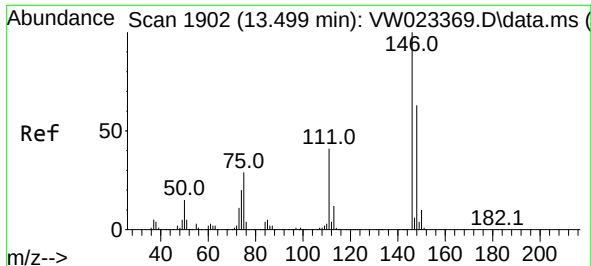
Tgt Ion:105 Resp: 448513

Ion Ratio Lower Upper

105 100

120 46.7 37.2 55.8

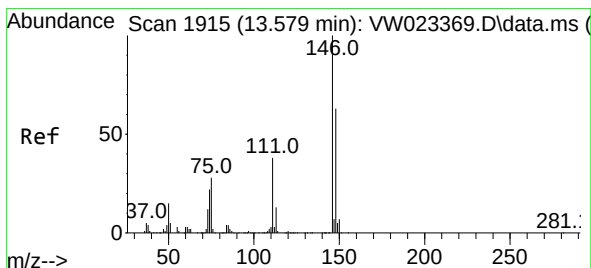
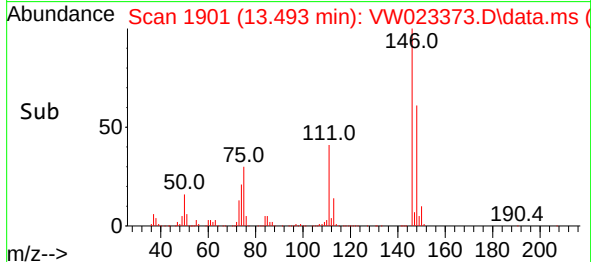
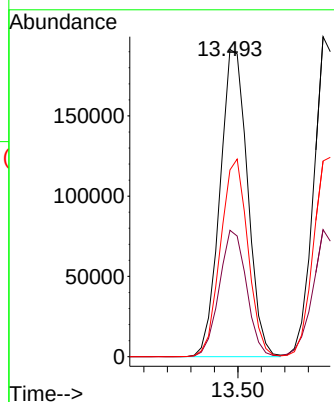
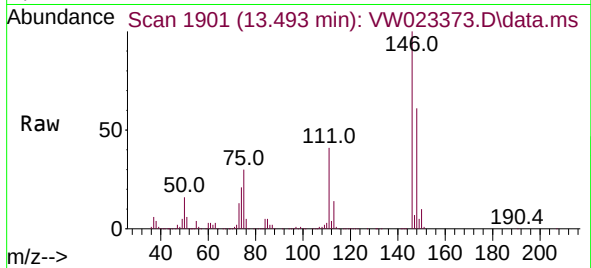




#64  
1,3-Dichlorobenzene  
Concen: 25.159 ug/L  
RT: 13.493 min Scan# 1902  
Delta R.T. -0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

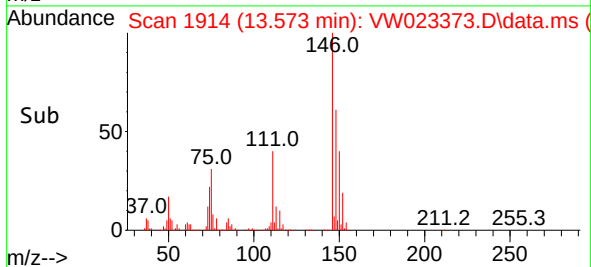
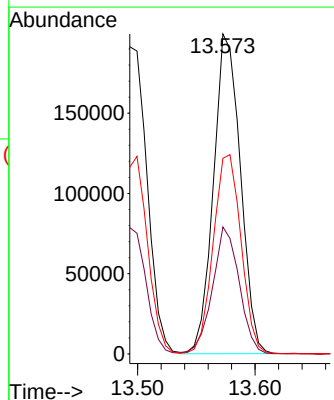
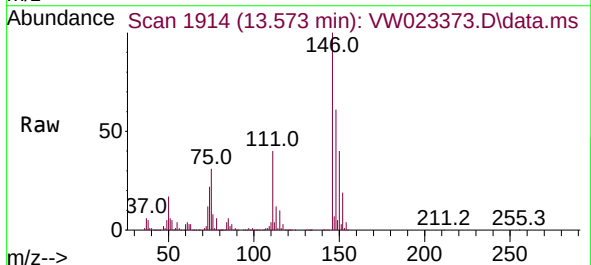
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

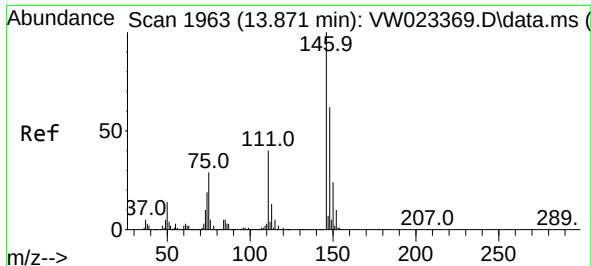
Tgt Ion:146 Resp: 312690  
Ion Ratio Lower Upper  
146 100  
111 41.1 28.7 53.3  
148 60.8 44.1 81.9



#65  
1,4-Dichlorobenzene  
Concen: 25.034 ug/L  
RT: 13.573 min Scan# 1914  
Delta R.T. -0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion:146 Resp: 318062  
Ion Ratio Lower Upper  
146 100  
111 39.7 26.9 49.9  
148 61.2 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 25.415 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.006 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025558

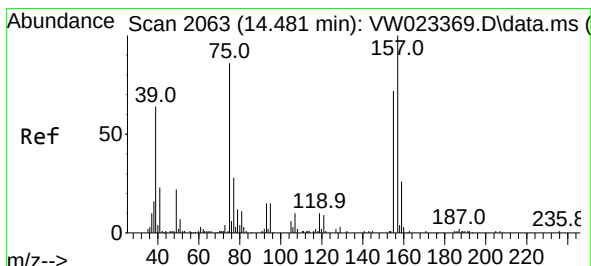
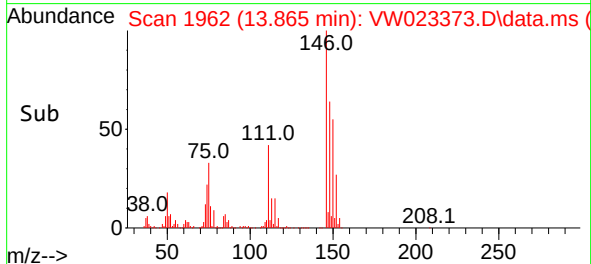
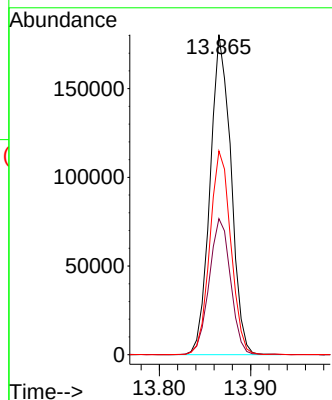
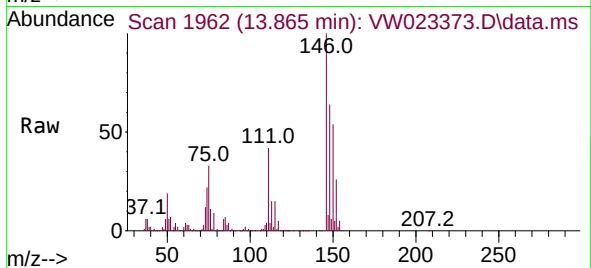
Tgt Ion:146 Resp: 285519

Ion Ratio Lower Upper

146 100

111 42.5 31.7 47.5

148 63.7 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 26.179 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

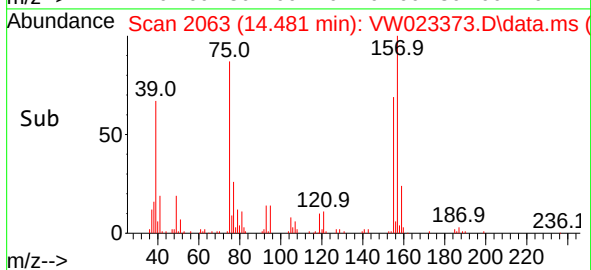
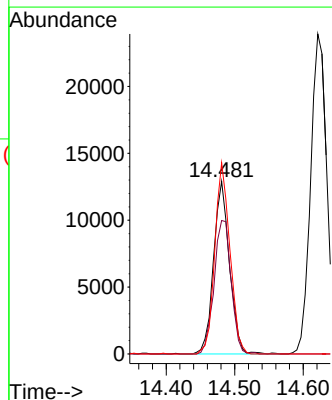
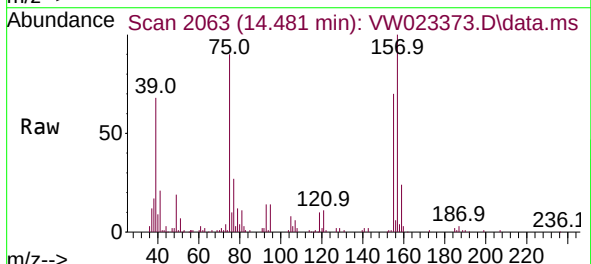
Tgt Ion: 75 Resp: 20893

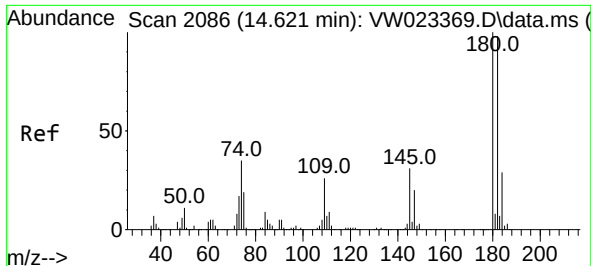
Ion Ratio Lower Upper

75 100

155 77.3 66.7 100.1

157 110.8 92.6 139.0



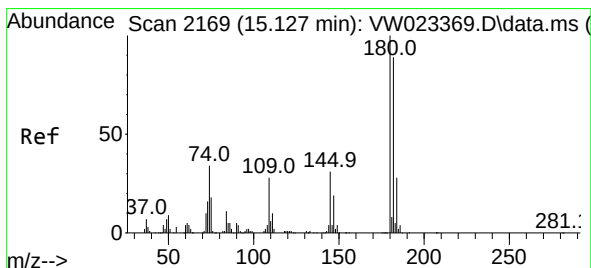
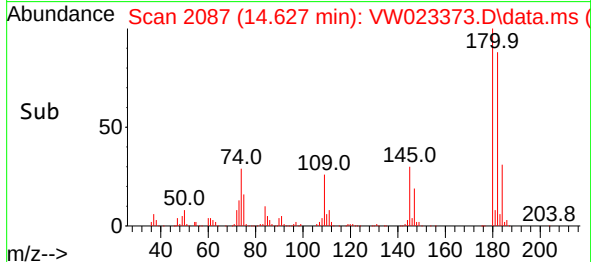
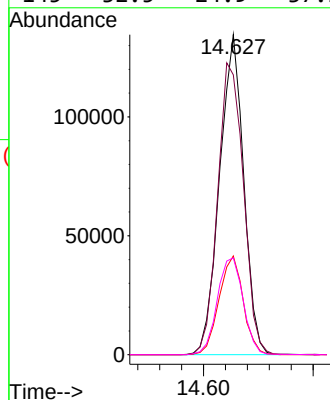
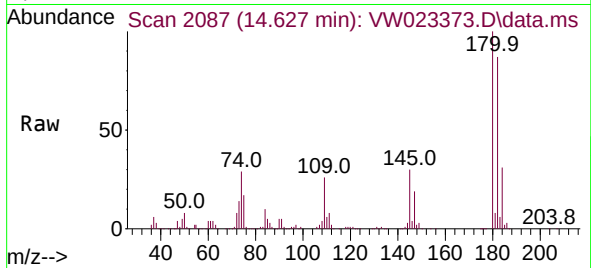


#69  
1,3,5-Trichlorobenzene  
Concen: 25.087 ug/L  
RT: 14.627 min Scan# 2086  
Delta R.T. 0.006 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD025558

Tgt Ion:180 Resp: 205915

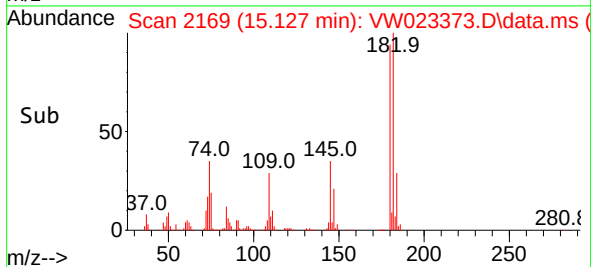
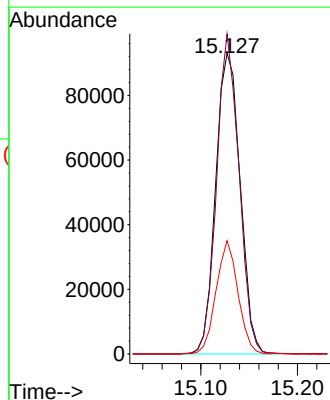
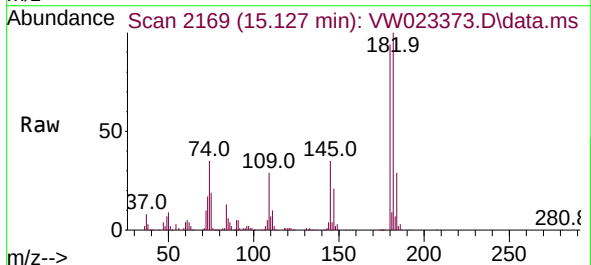
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.4  | 76.6  | 115.0 |
| 184 | 31.0  | 23.4  | 35.2  |
| 145 | 32.5  | 24.9  | 37.3  |

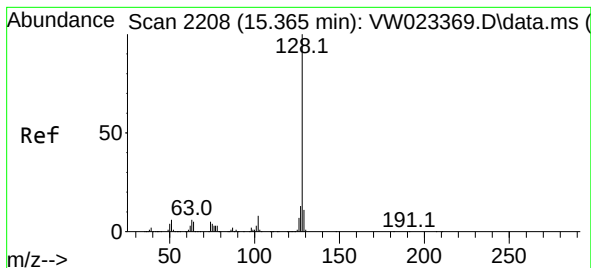


#70  
1,2,4-trichlorobenzene  
Concen: 25.063 ug/L  
RT: 15.127 min Scan# 2169  
Delta R.T. 0.000 min  
Lab File: VW023373.D  
Acq: 02 Jun 2022 14:05

Tgt Ion:180 Resp: 163454

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.7  | 75.0  | 112.6 |
| 145 | 33.7  | 25.7  | 38.5  |





#71

Naphthalene

Concen: 29.025 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Instrument :

MSVOA\_W

ClientSampleId :

VSTD025558

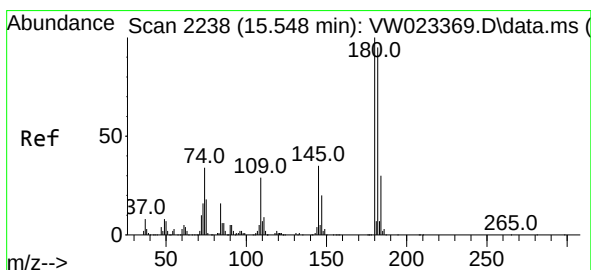
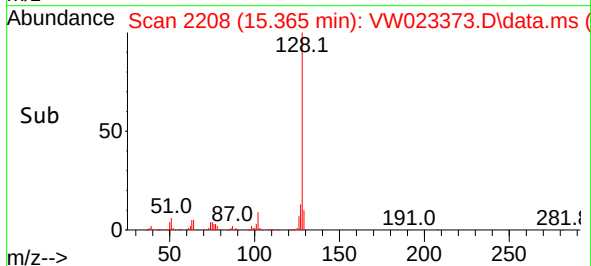
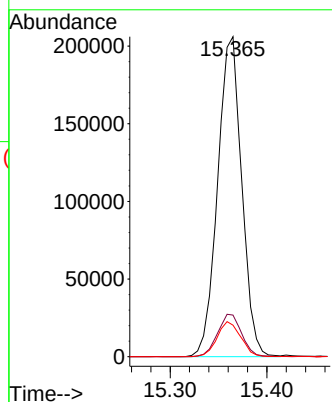
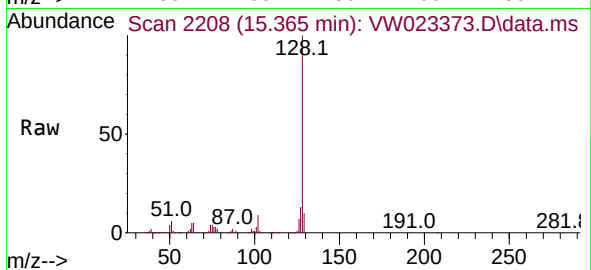
Tgt Ion:128 Resp: 356382

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 26.182 ug/L

RT: 15.548 min Scan# 2238

Delta R.T. 0.000 min

Lab File: VW023373.D

Acq: 02 Jun 2022 14:05

Tgt Ion:180 Resp: 147793

Ion Ratio Lower Upper

180 100

182 94.8 74.6 112.0

145 34.0 28.0 42.0

