

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW052621\  
 Data File : VW021430.D  
 Acq On : 26 May 2021 16:57  
 Operator : SY/MD  
 Sample : M2528-02MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YARK5MS

Quant Time: May 27 02:05:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR052521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 27 02:03:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 221237   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 207627   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 119041   | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 41025    | 4.38     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.60%   |
| 7) Chloroethane-d5            | 1.568  | 69    | 42464    | 4.75     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.00%   |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63    | 89800    | 5.06     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 101.20%  |
| 20) 2-Butanone-d5             | 3.892  | 46    | 192431   | 57.19    | ug/L   | -0.03    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 114.38%  |
| 24) Chloroform-d              | 4.352  | 84    | 129665   | 4.99     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.80%   |
| 26) 1,2-Dichloroethane-d4     | 5.037  | 65    | 60695    | 5.09     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.80%  |
| 32) Benzene-d6                | 5.053  | 84    | 236424   | 4.73     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.60%   |
| 36) 1,2-Dichloropropane-d6    | 6.076  | 67    | 78291    | 4.83     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.60%   |
| 41) Toluene-d8                | 7.317  | 98    | 217289   | 4.74     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.80%   |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 30752    | 4.56     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.20%   |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 168445   | 53.05    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 106.10%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 65245    | 5.00     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.00%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 99968    | 4.87     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.40%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 80767    | 5.44     | ug/L   | 98       |
| 3) Chloromethane              | 1.243  | 50    | 73731    | 5.66     | ug/L   | 98       |
| 5) Vinyl chloride             | 1.311  | 62    | 78141    | 5.78     | ug/L   | 99       |
| 6) Bromomethane               | 1.523  | 94    | 52458    | 5.92     | ug/L   | 100      |
| 8) Chloroethane               | 1.587  | 64    | 45598    | 5.59     | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 115445   | 5.53     | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118  | 101   | 69292    | 5.96     | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.118  | 96    | 64077    | 5.84     | ug/L   | 90       |
| 13) Acetone                   | 2.188  | 43    | 104538   | 55.11    | ug/L # | 30       |
| 14) Carbon disulfide          | 2.294  | 76    | 200186   | 5.43     | ug/L   | 100      |
| 15) Methyl Acetate            | 2.442  | 43    | 25575    | 5.71     | ug/L   | 94       |
| 16) Methylene chloride        | 2.510  | 84    | 74177    | 4.11     | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 176182   | 5.56     | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.764  | 96    | 75704    | 5.53     | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.192  | 63    | 132042   | 5.46     | ug/L   | 97       |
| 21) 2-Butanone                | 3.979  | 43    | 178539   | 55.25    | ug/L   | 88       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 83279    | 5.59     | ug/L   | 100      |
| 23) Bromochloromethane        | 4.253  | 128   | 38304    | 5.72     | ug/L   | 96       |
| 25) Chloroform                | 4.378  | 83    | 150476   | 6.07     | ug/L   | 98       |

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 Operator : SY/MD  
 Sample : M2528-02MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

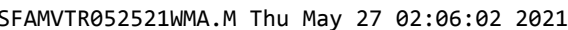
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YARK5MS

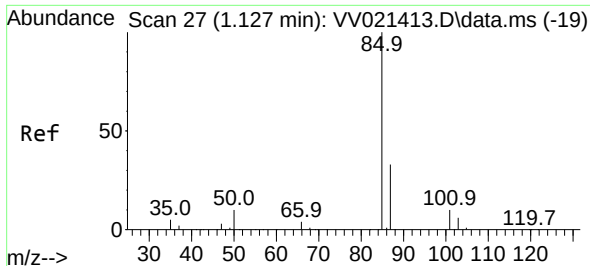
Quant Time: May 27 02:05:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR052521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 27 02:03:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.137  | 62   | 73973    | 5.52  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.613  | 97   | 126452   | 5.43  | ug/L  | 99       |
| 30) Cyclohexane               | 4.680  | 56   | 119445   | 5.21  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 123513   | 5.84  | ug/L  | 100      |
| 33) Benzene                   | 5.101  | 78   | 291703   | 5.39  | ug/L  | 100      |
| 34) Trichloroethene           | 5.918  | 95   | 106344   | 7.15  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.134  | 83   | 129586   | 5.29  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 73783    | 5.49  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 99513    | 5.42  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.031  | 75   | 114462   | 5.32  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 440739   | 53.59 | ug/L  | 99       |
| 42) Toluene                   | 7.391  | 91   | 329954   | 5.51  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 97776    | 5.53  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 54768    | 5.51  | ug/L  | 96       |
| 47) Tetrachloroethene         | 7.976  | 164  | 92952    | 6.85  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.140  | 43   | 295743   | 52.90 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.246  | 129  | 73750    | 5.47  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 52192    | 5.45  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.883  | 112  | 218330   | 5.52  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 370225   | 5.52  | ug/L  | 99       |
| 53) m,p-xylene                | 9.140  | 106  | 142611   | 5.52  | ug/L  | 96       |
| 54) o-xylene                  | 9.545  | 106  | 139010   | 5.51  | ug/L  | 100      |
| 55) Styrene                   | 9.561  | 104  | 233619   | 5.49  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 64346    | 5.50  | ug/L  | 93       |
| 59) Bromoform                 | 9.731  | 173  | 47214    | 5.48  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.931  | 105  | 382544   | 5.43  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 44421    | 5.25  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 324123   | 5.40  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 330094   | 5.38  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.182 | 146  | 188101   | 5.42  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 186857   | 5.40  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 175042   | 5.45  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 10374    | 5.01  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.645 | 180  | 168013   | 5.38  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 141088   | 5.44  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 215042   | 5.30  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 120139   | 5.22  | ug/L  | 98       |

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

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QLast Update : Thu May 27 02:03:26 2021  
Response via : Initial Calibration

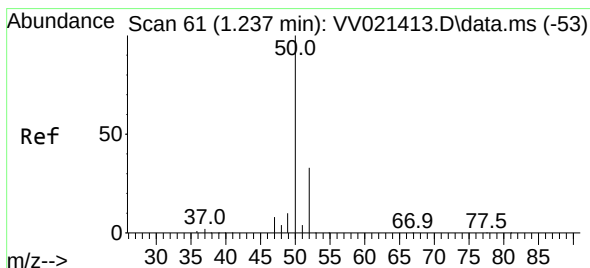
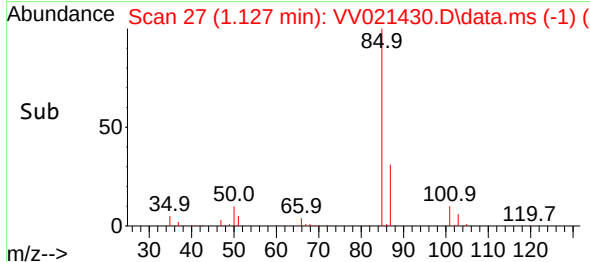
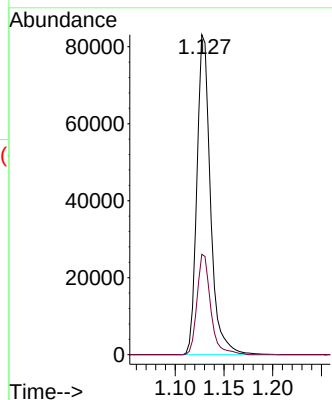
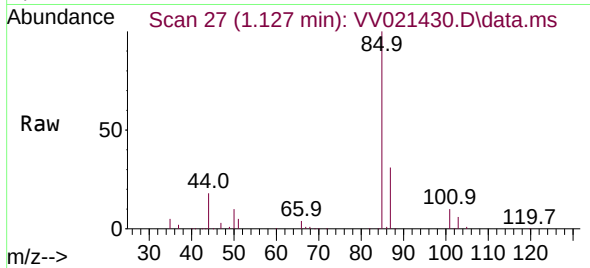




#2  
 Dichlorodifluoromethane  
 Concen: 5.44 ug/L  
 RT: 1.127 min Scan# 27  
 Delta R.T. 0.000 min  
 Lab File: VV021430.D  
 Acq: 26 May 2021 16:57

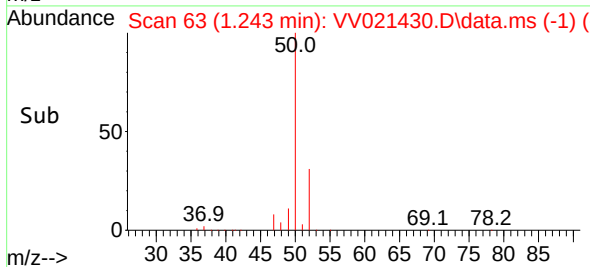
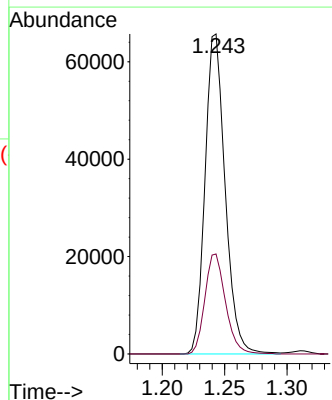
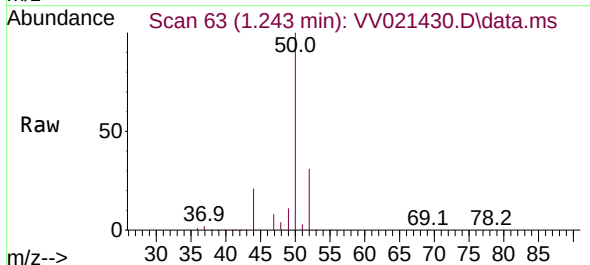
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YARK5MS

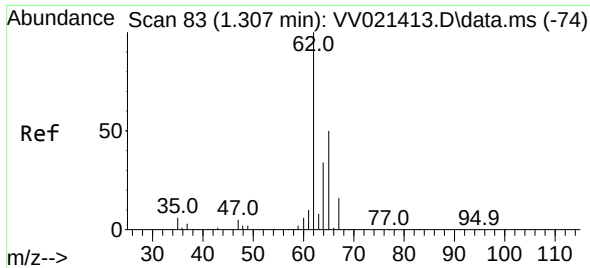
Tgt Ion: 85 Resp: 80767  
 Ion Ratio Lower Upper  
 85 100  
 87 31.5 26.1 39.1



#3  
 Chloromethane  
 Concen: 5.66 ug/L  
 RT: 1.243 min Scan# 63  
 Delta R.T. 0.006 min  
 Lab File: VV021430.D  
 Acq: 26 May 2021 16:57

Tgt Ion: 50 Resp: 73731  
 Ion Ratio Lower Upper  
 50 100  
 52 31.2 22.6 42.0

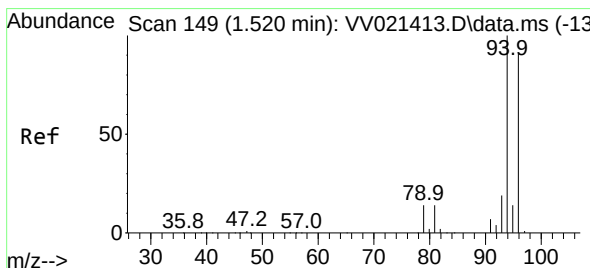
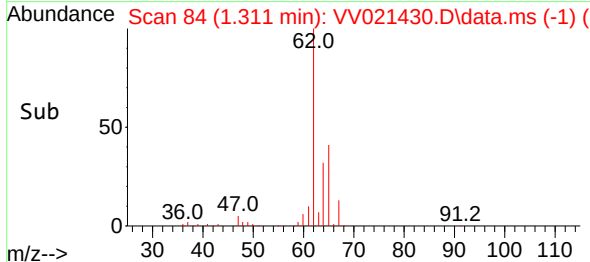
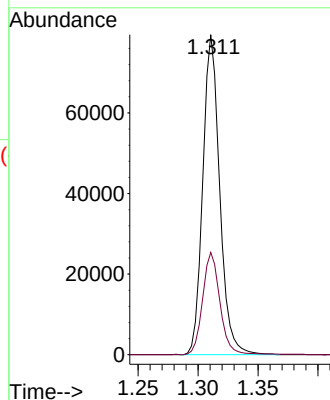
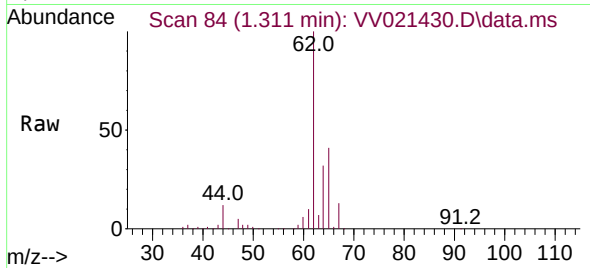




#5  
 Vinyl chloride  
 Concen: 5.78 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV021430.D  
 Acq: 26 May 2021 16:57

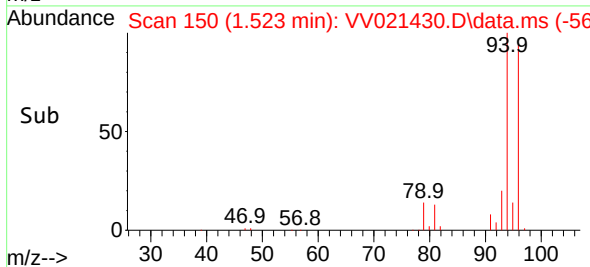
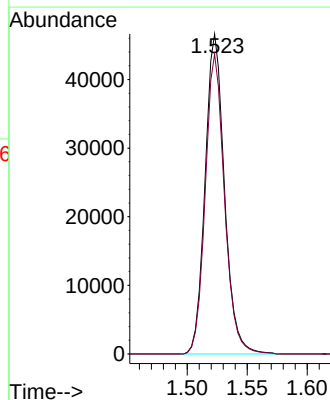
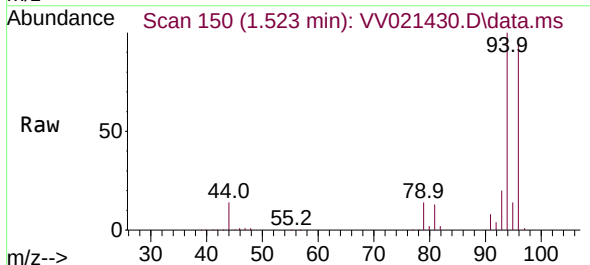
Instrument :  
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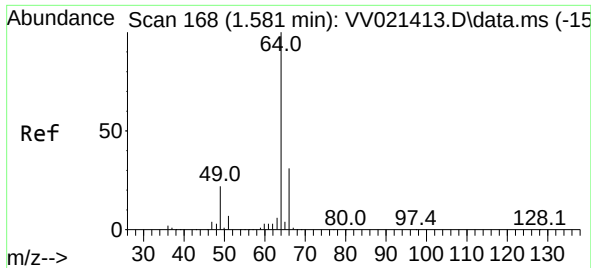
Tgt Ion: 62 Resp: 78141  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 22.6 42.0



#6  
 Bromomethane  
 Concen: 5.92 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.003 min  
 Lab File: VV021430.D  
 Acq: 26 May 2021 16:57

Tgt Ion: 94 Resp: 52458  
 Ion Ratio Lower Upper  
 94 100  
 96 93.7 65.9 122.3

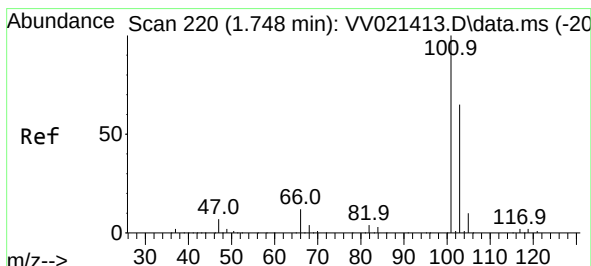
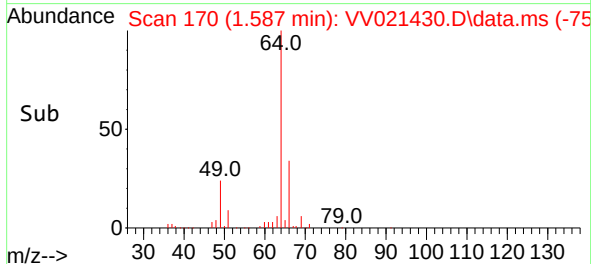
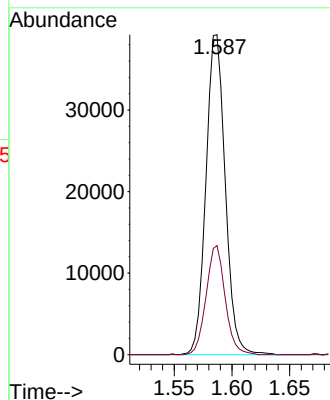
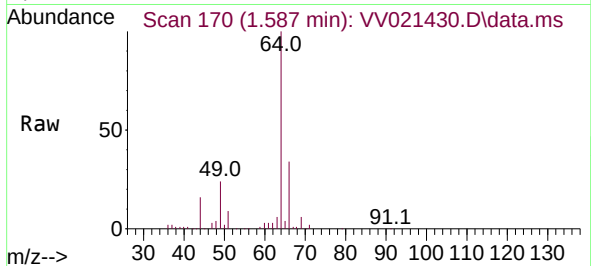




#8  
Chloroethane  
Concen: 5.59 ug/L  
RT: 1.587 min Scan# 170  
Delta R.T. 0.006 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

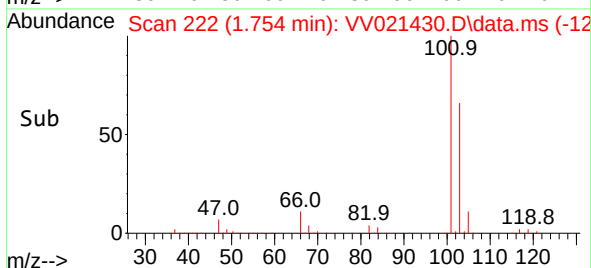
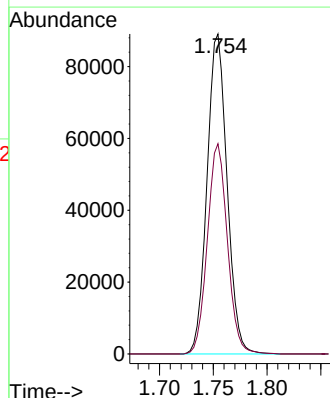
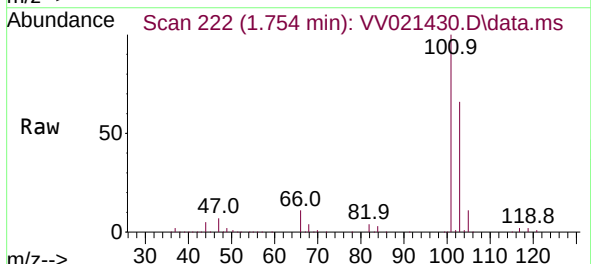
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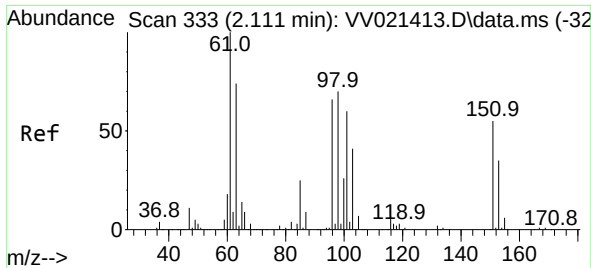
Tgt Ion: 64 Resp: 45598  
Ion Ratio Lower Upper  
64 100  
66 34.1 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 5.53 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. 0.006 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion: 101 Resp: 115445  
Ion Ratio Lower Upper  
101 100  
103 65.8 52.0 78.0

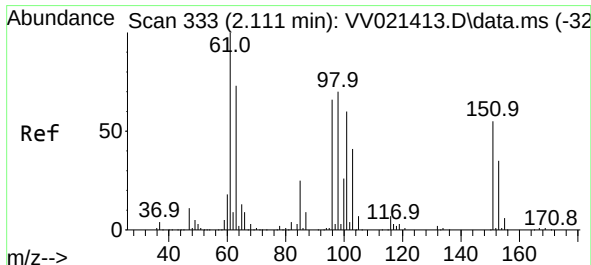
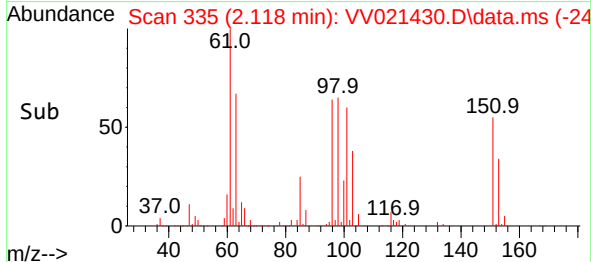
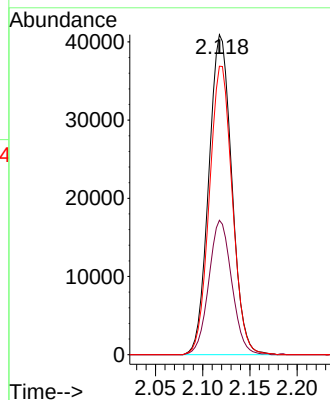
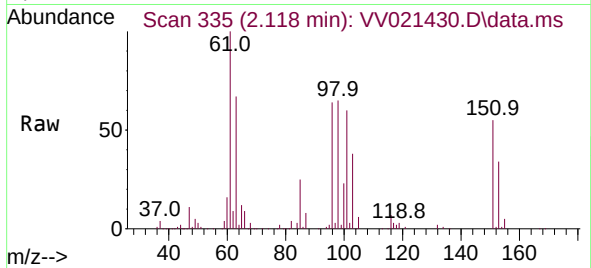




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.96 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. 0.006 min  
 Lab File: VV021430.D  
 Acq: 26 May 2021 16:57

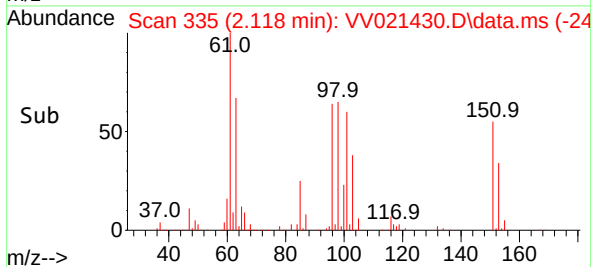
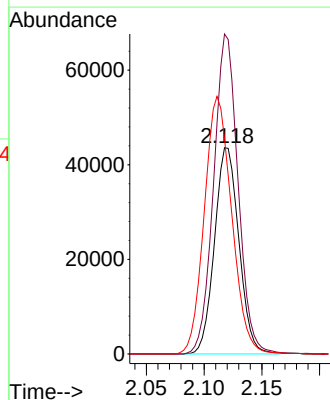
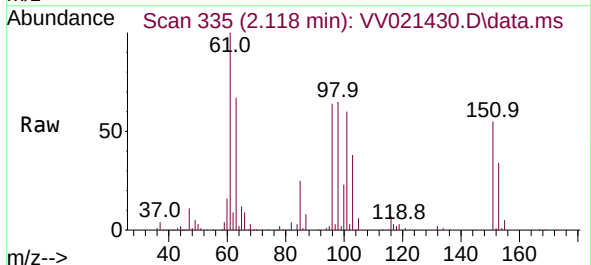
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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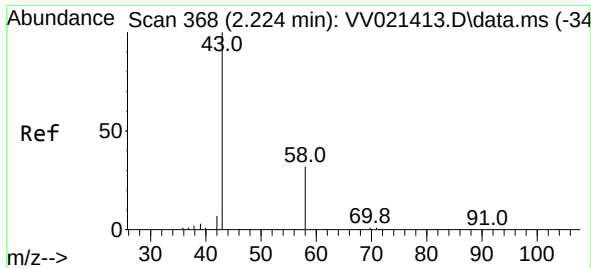
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 Ion Ratio Lower Upper  
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 85 41.9 32.6 48.8  
 151 90.0 70.7 106.1



#12  
 1,1-Dichloroethene  
 Concen: 5.84 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. 0.006 min  
 Lab File: VV021430.D  
 Acq: 26 May 2021 16:57

Tgt Ion: 96 Resp: 64077  
 Ion Ratio Lower Upper  
 96 100  
 61 155.2 103.7 192.5  
 63 104.5 62.4 115.8

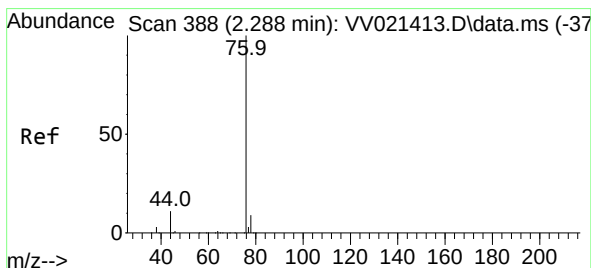
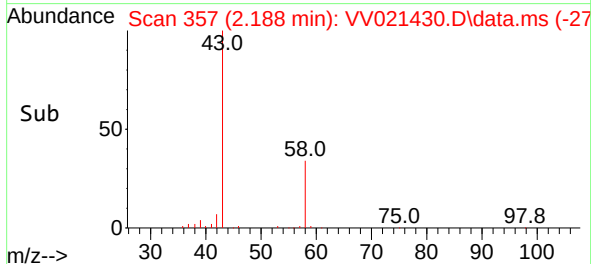
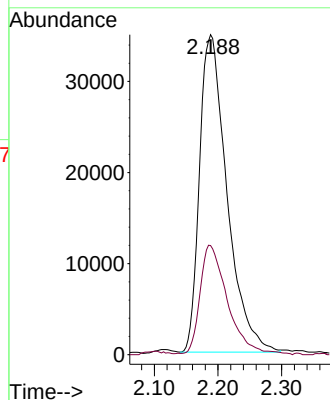
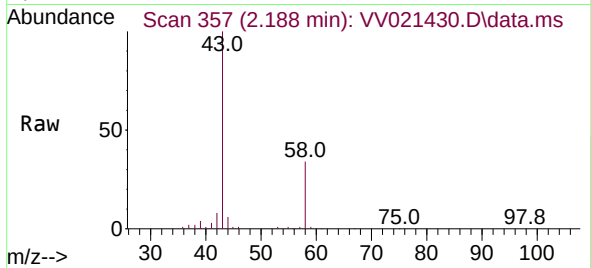




#13  
Acetone  
Concen: 55.11 ug/L  
RT: 2.188 min Scan# 357  
Delta R.T. -0.035 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

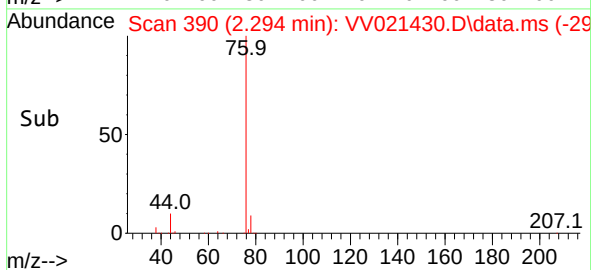
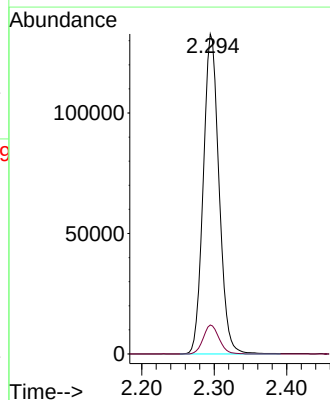
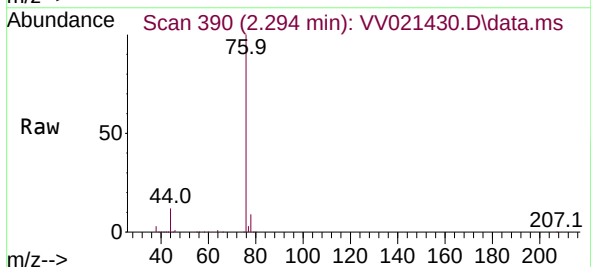
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

Tgt Ion: 43 Resp: 104538  
Ion Ratio Lower Upper  
43 100  
58 34.8 0.0 18.6#

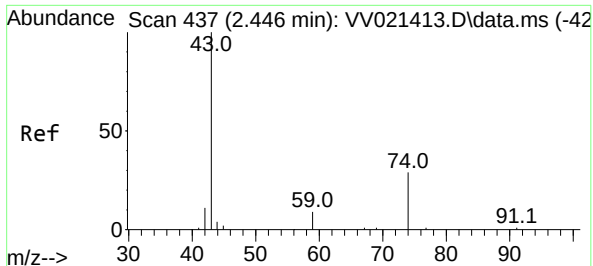


#14  
Carbon disulfide  
Concen: 5.43 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion: 76 Resp: 200186  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



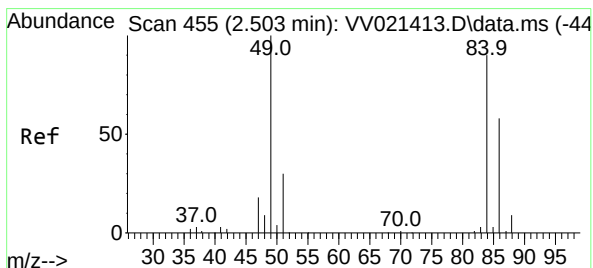
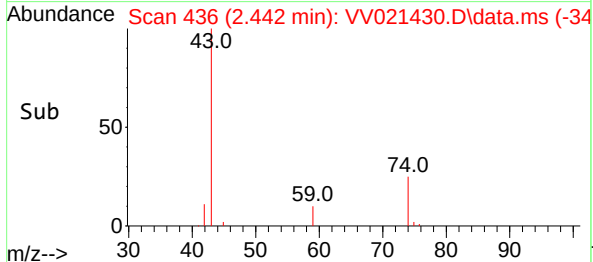
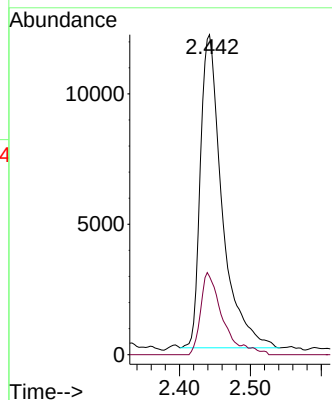
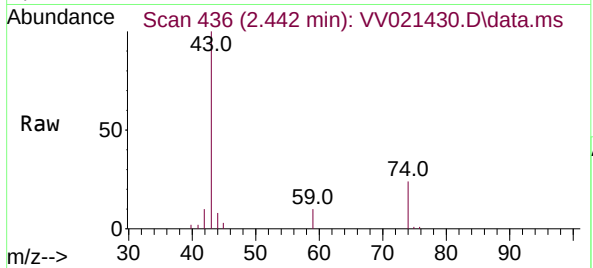




#15  
Methyl Acetate  
Concen: 5.71 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. -0.003 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

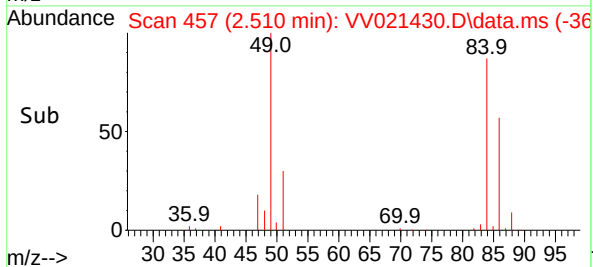
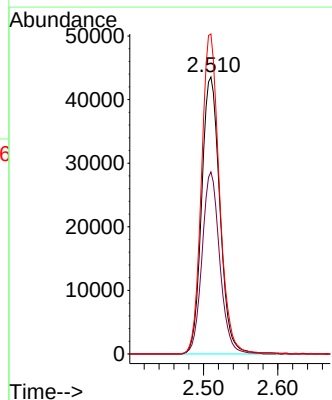
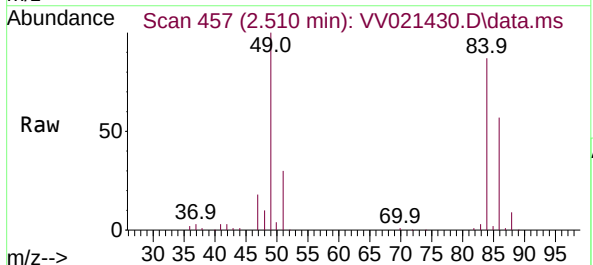
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

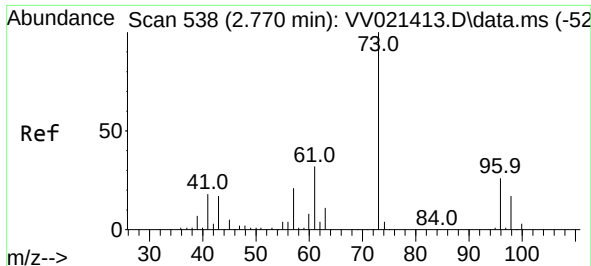
Tgt Ion: 43 Resp: 25575  
Ion Ratio Lower Upper  
43 100  
74 26.5 18.8 28.2



#16  
Methylene chloride  
Concen: 4.11 ug/L  
RT: 2.510 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion: 84 Resp: 74177  
Ion Ratio Lower Upper  
84 100  
86 65.7 44.7 82.9  
49 115.5 82.7 153.5

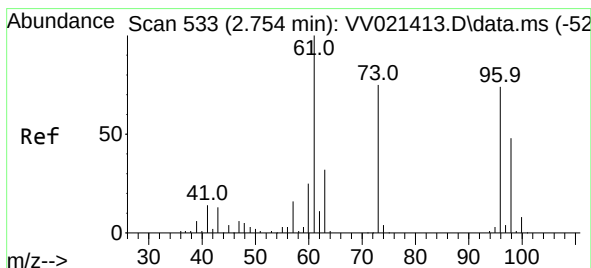
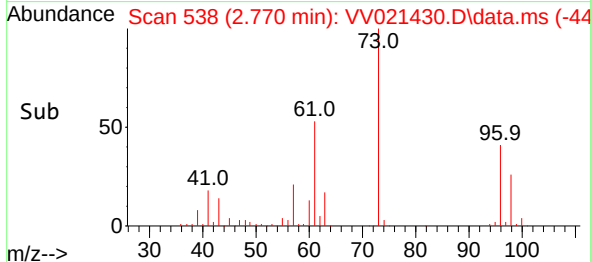
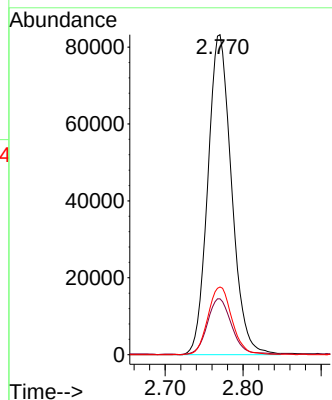
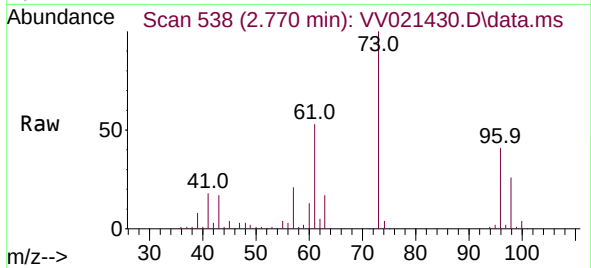




#17  
Methyl tert-butyl Ether  
Concen: 5.56 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

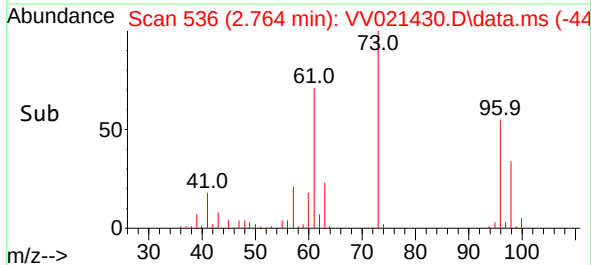
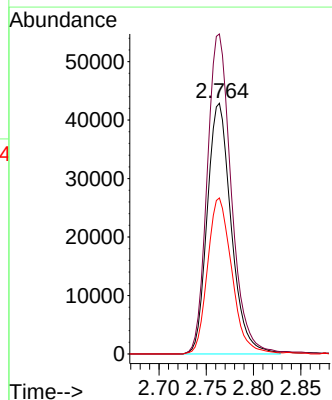
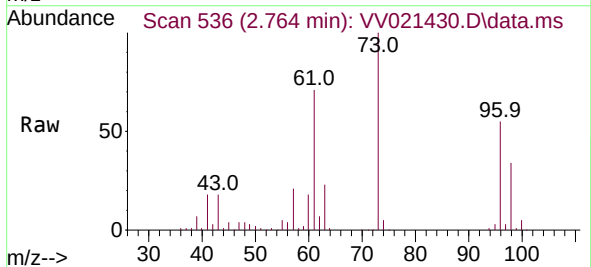
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

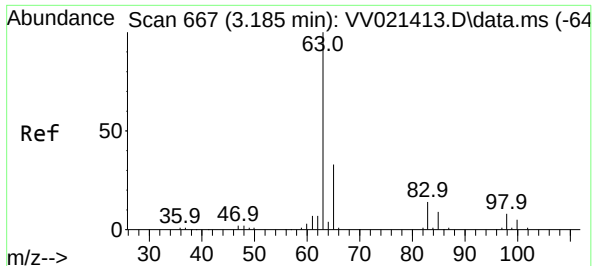
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 73    | Resp: | 176182 |
| Ion      | Ratio | Lower | Upper  |
| 73       | 100   |       |        |
| 43       | 18.1  | 13.4  | 20.2   |
| 57       | 21.4  | 17.8  | 26.8   |



#18  
trans-1,2-Dichloroethene  
Concen: 5.53 ug/L  
RT: 2.764 min Scan# 536  
Delta R.T. 0.010 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 75704 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 127.6 | 88.7  | 164.7 |
| 98       | 62.2  | 44.4  | 82.4  |





#19

1,1-Dichloroethane

Concen: 5.46 ug/L

RT: 3.192 min Scan# 669

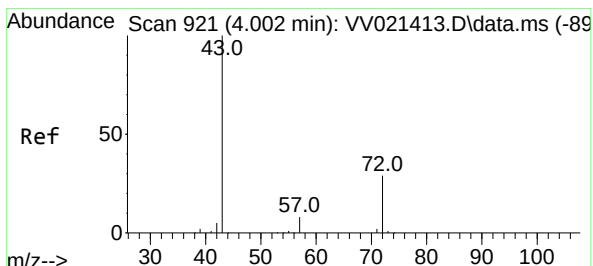
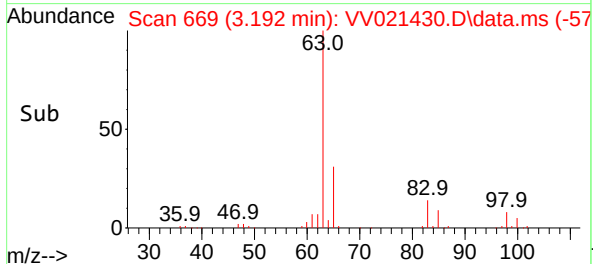
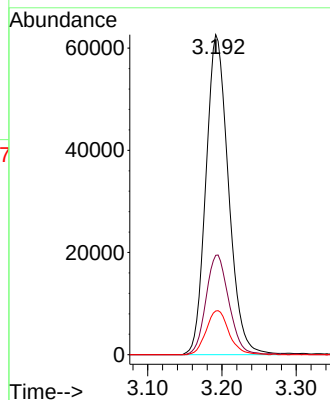
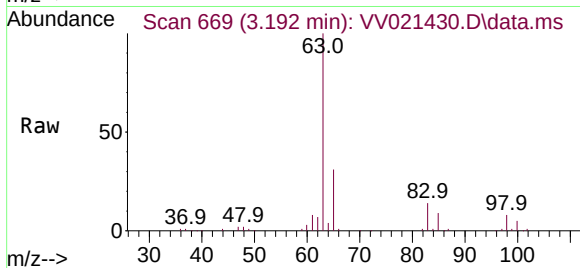
Delta R.T. 0.006 min

Lab File: VV021430.D

Acq: 26 May 2021 16:57

Tgt Ion: 63 Resp: 132042

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 31.0  | 23.2  | 43.2  |
| 83  | 13.6  | 9.4   | 17.4  |



#21

2-Butanone

Concen: 55.25 ug/L

RT: 3.979 min Scan# 914

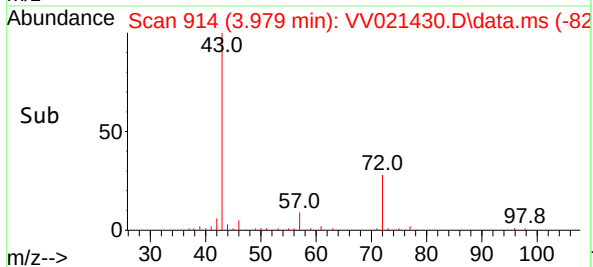
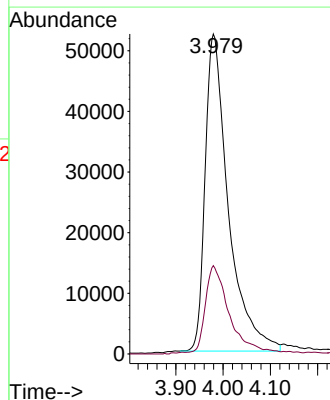
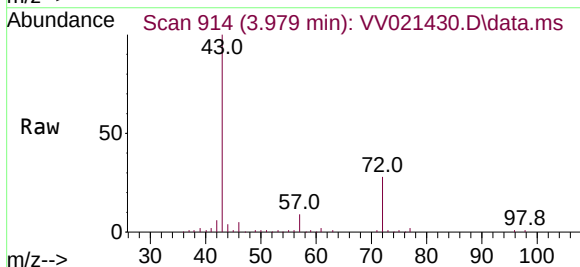
Delta R.T. -0.022 min

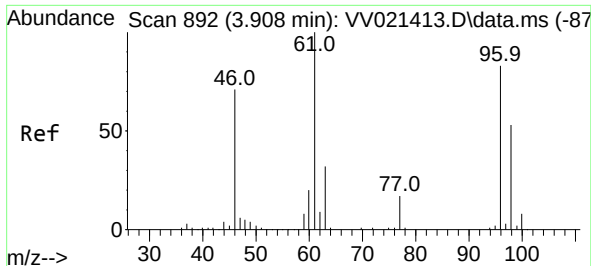
Lab File: VV021430.D

Acq: 26 May 2021 16:57

Tgt Ion: 43 Resp: 178539

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 26.8  | 10.7  | 31.9  |





#22

cis-1,2-Dichloroethene

Concen: 5.59 ug/L

RT: 3.915 min Scan# 894

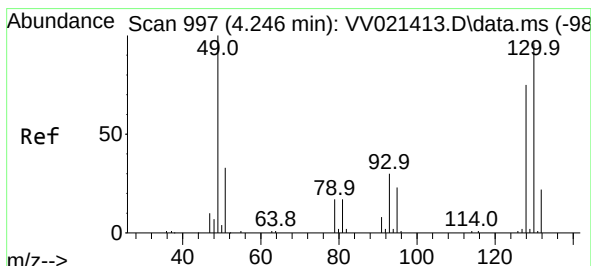
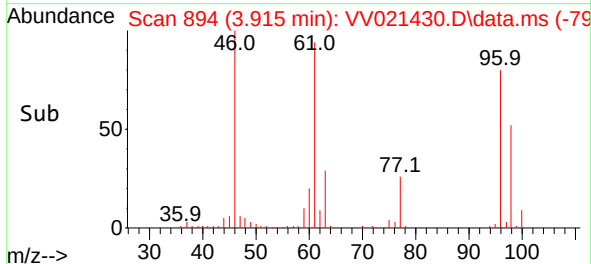
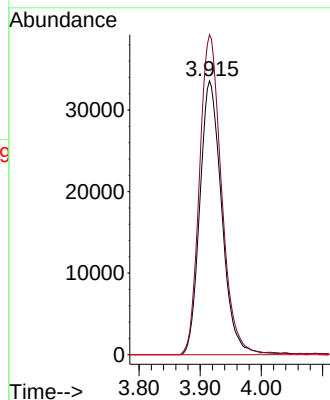
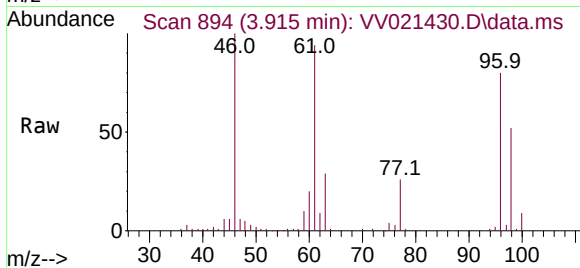
Delta R.T. 0.006 min

Lab File: VV021430.D

Acq: 26 May 2021 16:57

Tgt Ion: 96 Resp: 83279

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 116.9 | 81.9  | 152.1 |
| 68  | 0.0   | 0.0   | 0.0   |



#23

Bromochloromethane

Concen: 5.72 ug/L

RT: 4.253 min Scan# 999

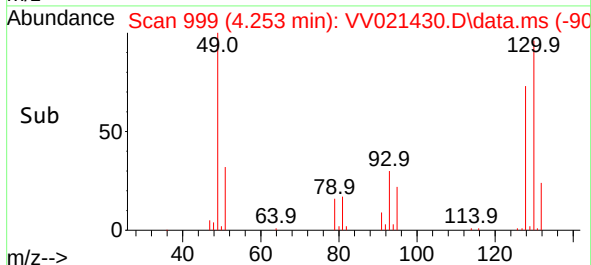
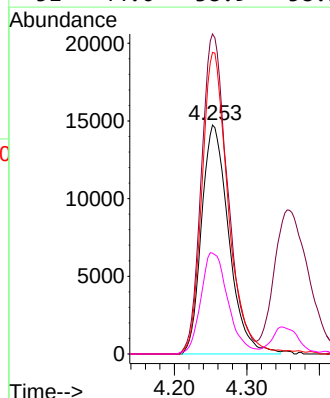
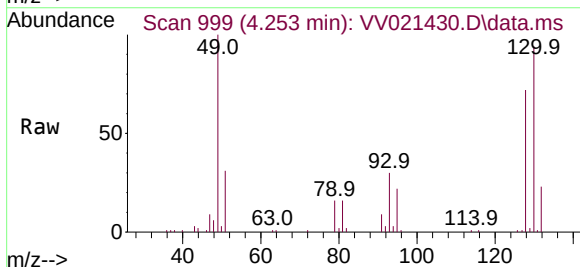
Delta R.T. 0.006 min

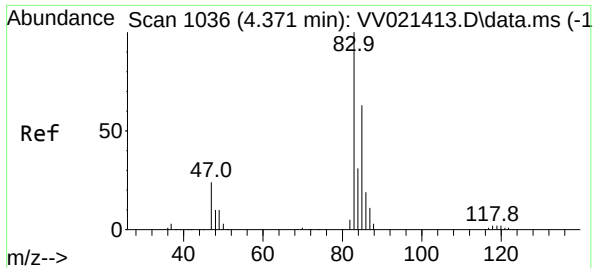
Lab File: VV021430.D

Acq: 26 May 2021 16:57

Tgt Ion: 128 Resp: 38304

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 49  | 139.8 | 102.3 | 190.1 |
| 130 | 131.8 | 94.3  | 175.1 |
| 51  | 44.0  | 38.9  | 58.3  |





#25

Chloroform

Concen: 6.07 ug/L

RT: 4.378 min Scan# 1038

Delta R.T. 0.006 min

Lab File: VV021430.D

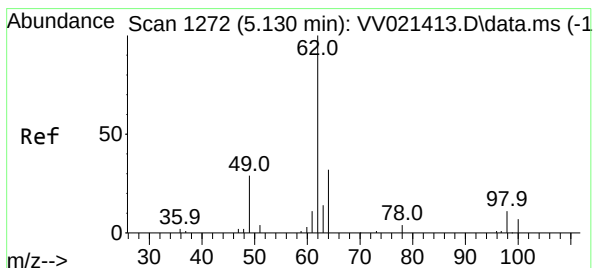
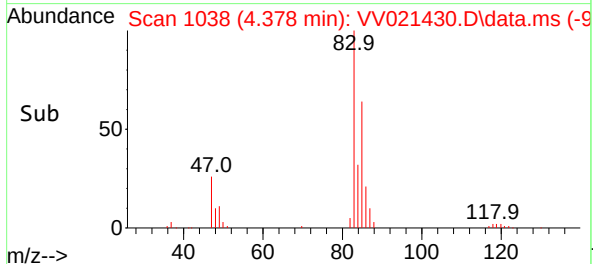
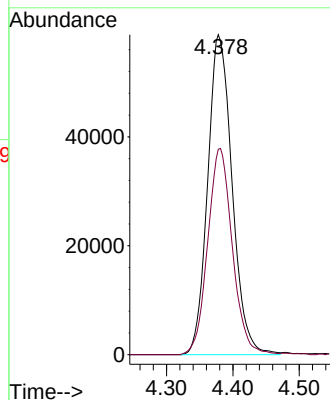
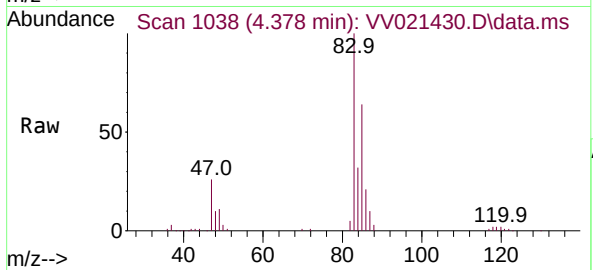
Acq: 26 May 2021 16:57

Tgt Ion: 83 Resp: 150476

Ion Ratio Lower Upper

83 100

85 64.2 45.8 85.2



#27

1,2-Dichloroethane

Concen: 5.52 ug/L

RT: 5.137 min Scan# 1274

Delta R.T. 0.006 min

Lab File: VV021430.D

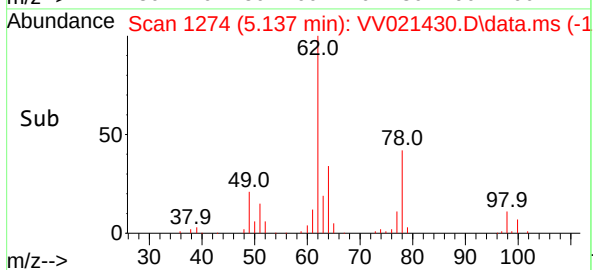
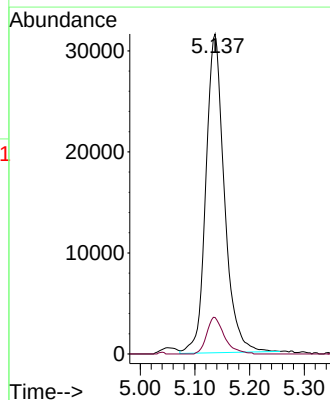
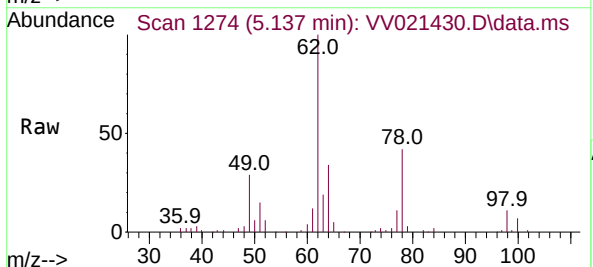
Acq: 26 May 2021 16:57

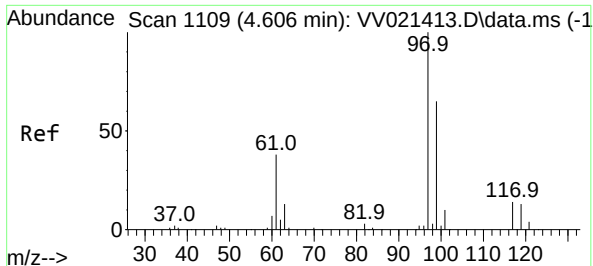
Tgt Ion: 62 Resp: 73973

Ion Ratio Lower Upper

62 100

98 11.4 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.43 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.006 min

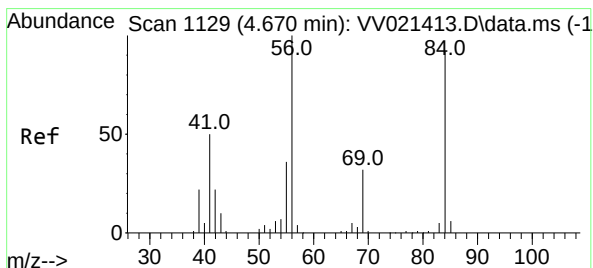
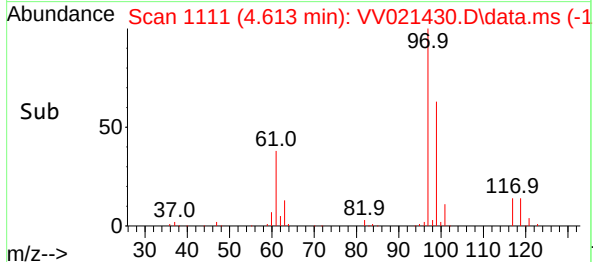
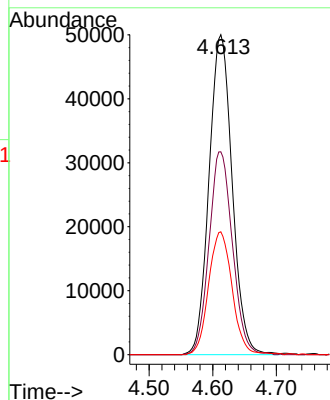
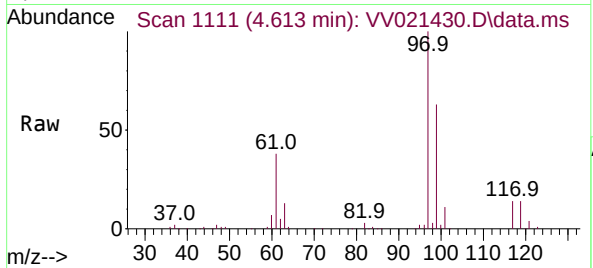
Lab File: VV021430.D

Acq: 26 May 2021 16:57

Tgt Ion: 97 Resp: 126452

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.2  | 50.6  | 75.8  |
| 61  | 39.0  | 30.4  | 45.6  |

Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS



#30

Cyclohexane

Concen: 5.21 ug/L

RT: 4.680 min Scan# 1132

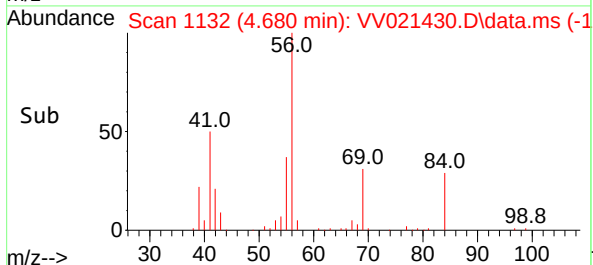
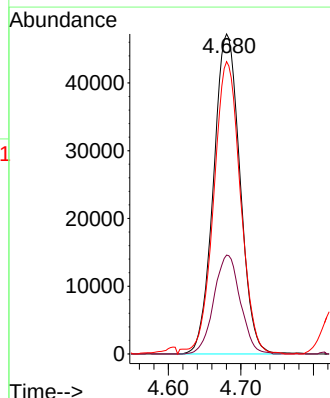
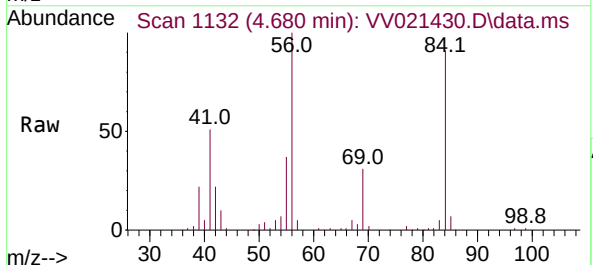
Delta R.T. 0.010 min

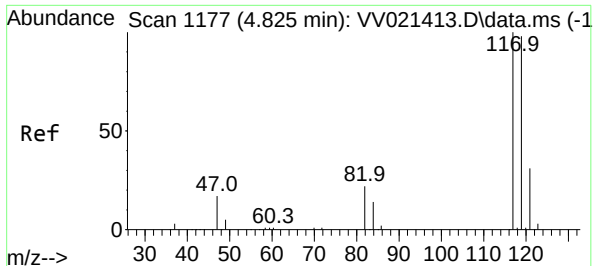
Lab File: VV021430.D

Acq: 26 May 2021 16:57

Tgt Ion: 56 Resp: 119445

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 30.9  | 25.2  | 37.8  |
| 84  | 92.5  | 72.7  | 109.1 |

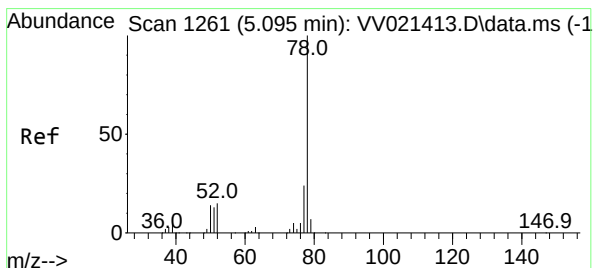
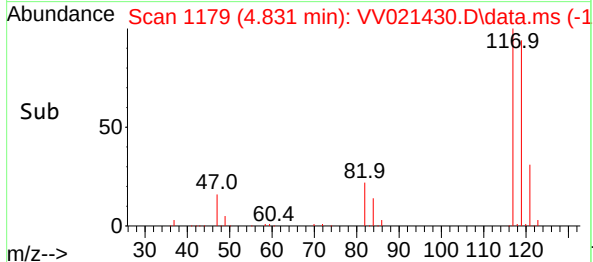
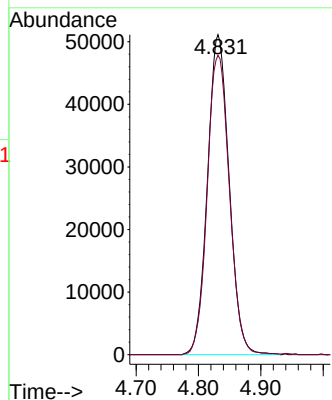
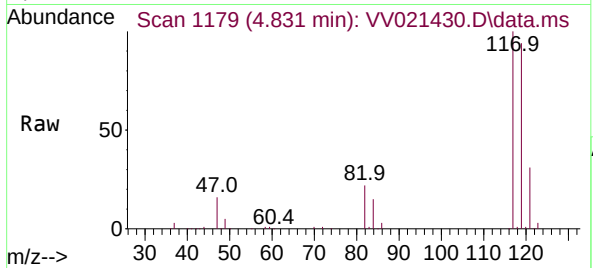




#31  
Carbon tetrachloride  
Concen: 5.84 ug/L  
RT: 4.831 min Scan# 1179  
Delta R.T. 0.006 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

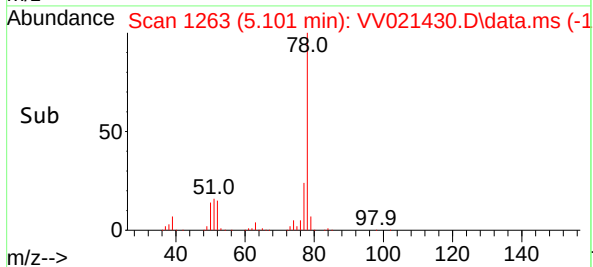
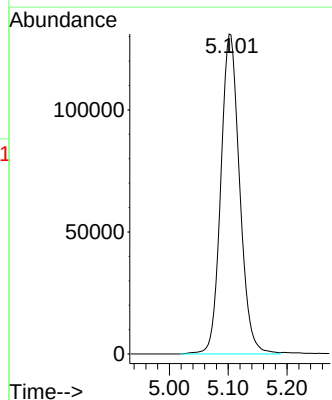
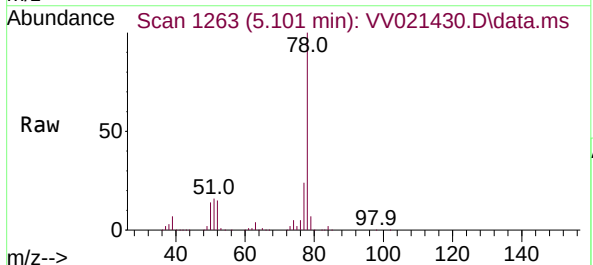
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

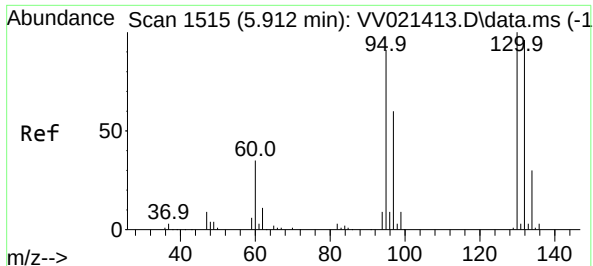
Tgt Ion:117 Resp: 123513  
Ion Ratio Lower Upper  
117 100  
119 95.9 77.0 115.6



#33  
Benzene  
Concen: 5.39 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.006 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion: 78 Resp: 291703



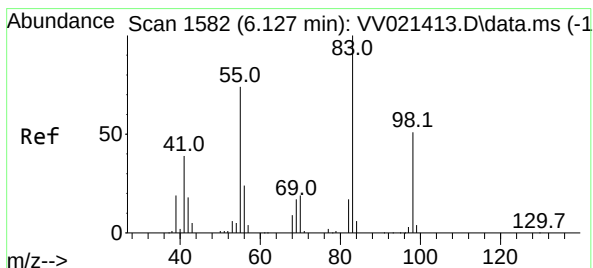
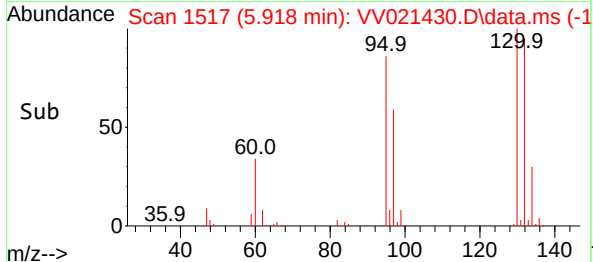
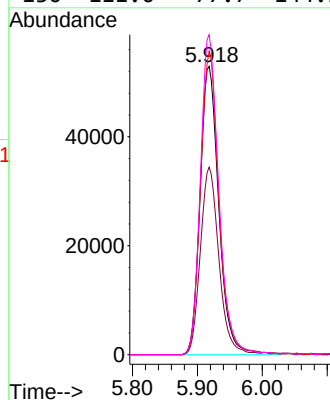
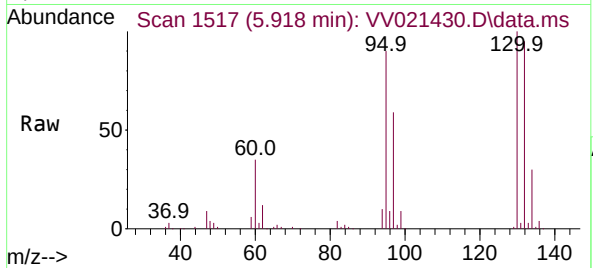


#34  
Trichloroethene  
Concen: 7.15 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

Tgt Ion: 95 Resp: 106344

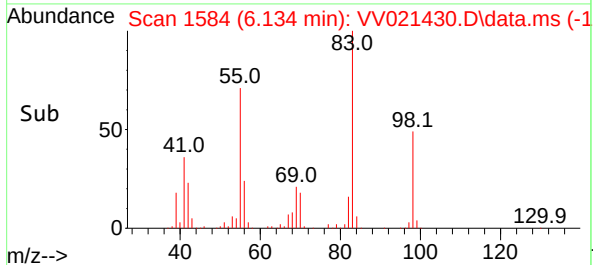
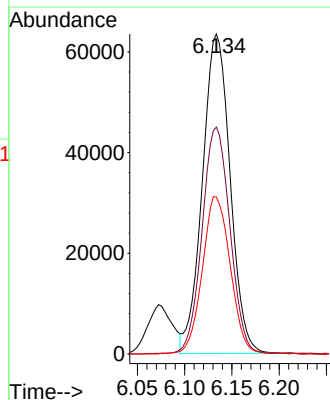
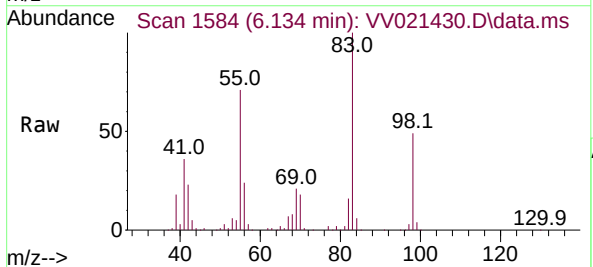
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.1  | 45.4  | 84.4  |
| 132 | 105.3 | 74.5  | 138.3 |
| 130 | 111.0 | 77.7  | 144.3 |



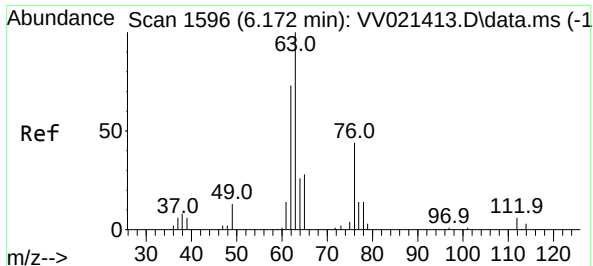
#35  
Methylcyclohexane  
Concen: 5.29 ug/L  
RT: 6.134 min Scan# 1584  
Delta R.T. 0.006 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion: 83 Resp: 129586

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 70.9  | 57.7  | 86.5  |
| 98  | 49.7  | 40.6  | 61.0  |





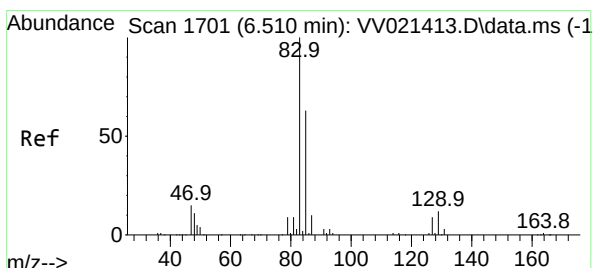
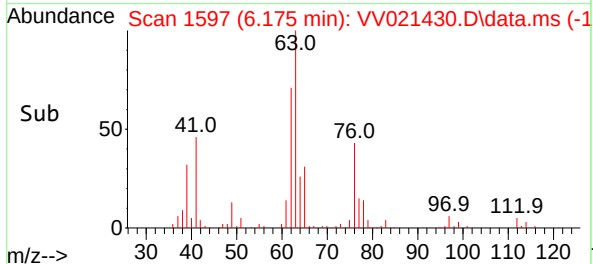
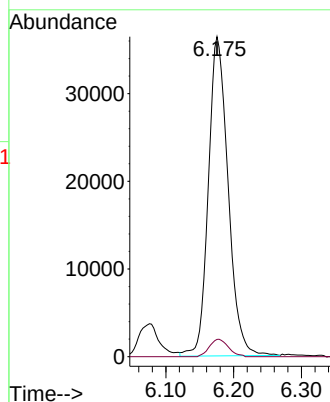
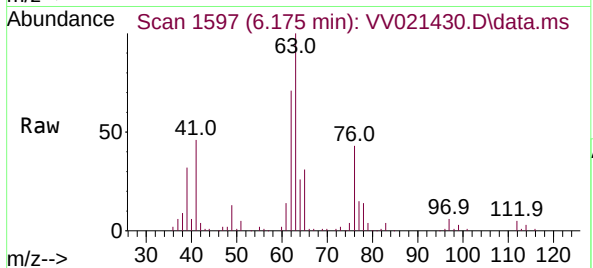


#37

1,2-Dichloropropane  
Concen: 5.49 ug/L  
RT: 6.175 min Scan# 1597  
Delta R.T. 0.003 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

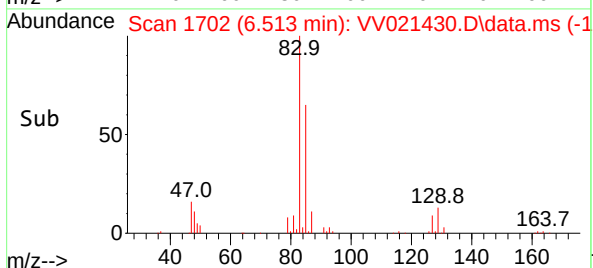
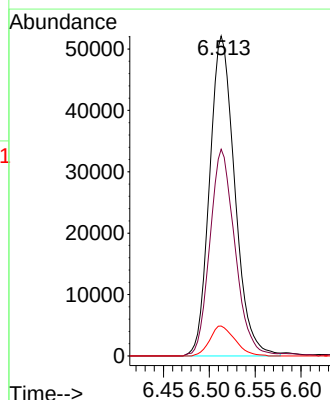
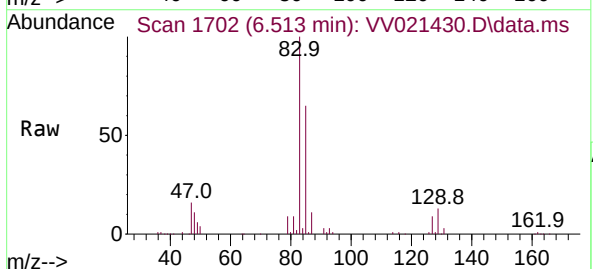
Tgt Ion: 63 Resp: 73783  
Ion Ratio Lower Upper  
63 100  
112 5.3 3.8 5.8

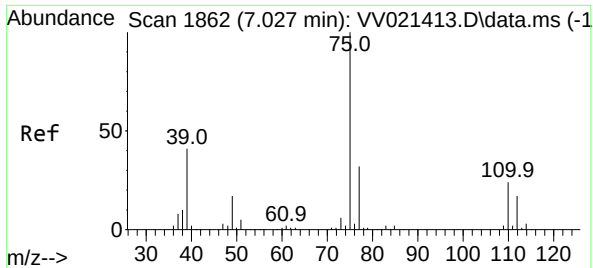


#38

Bromodichloromethane  
Concen: 5.42 ug/L  
RT: 6.513 min Scan# 1702  
Delta R.T. 0.003 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion: 83 Resp: 99513  
Ion Ratio Lower Upper  
83 100  
85 64.6 46.2 85.8  
127 9.4 7.3 10.9

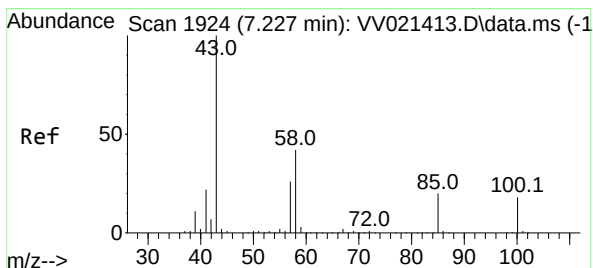
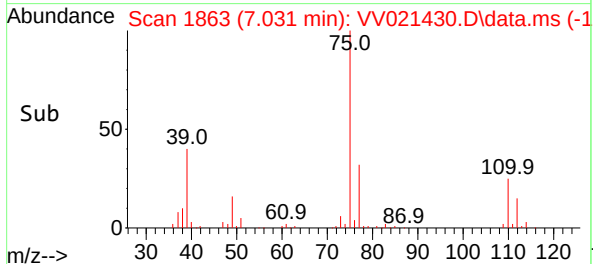
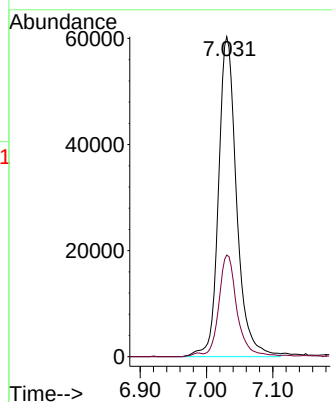
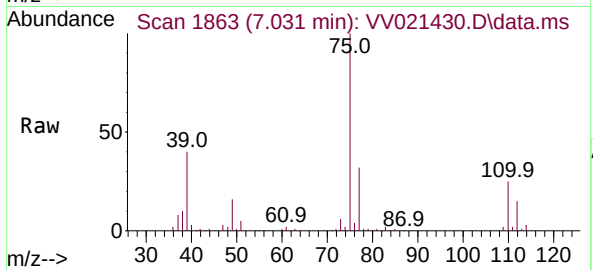




#39  
 cis-1,3-Dichloropropene  
 Concen: 5.32 ug/L  
 RT: 7.031 min Scan# 1863  
 Delta R.T. 0.003 min  
 Lab File: VV021430.D  
 Acq: 26 May 2021 16:57

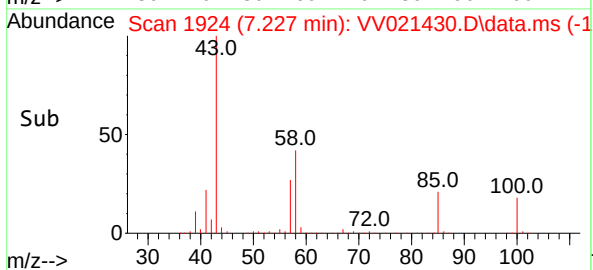
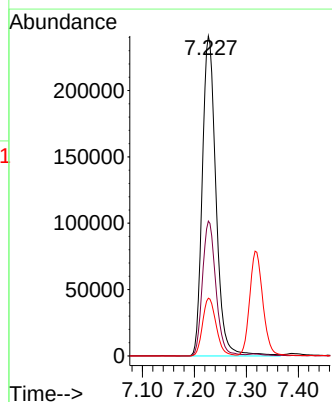
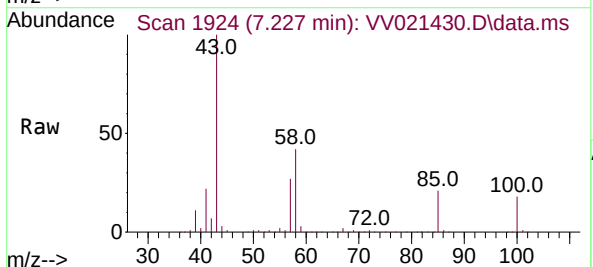
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YARK5MS

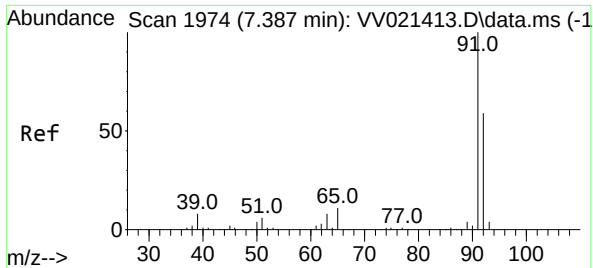
Tgt Ion: 75 Resp: 114462  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 22.8 42.4



#40  
 4-Methyl-2-pentanone  
 Concen: 53.59 ug/L  
 RT: 7.227 min Scan# 1924  
 Delta R.T. 0.000 min  
 Lab File: VV021430.D  
 Acq: 26 May 2021 16:57

Tgt Ion: 43 Resp: 440739  
 Ion Ratio Lower Upper  
 43 100  
 58 41.4 33.9 50.9  
 100 17.9 14.2 21.4

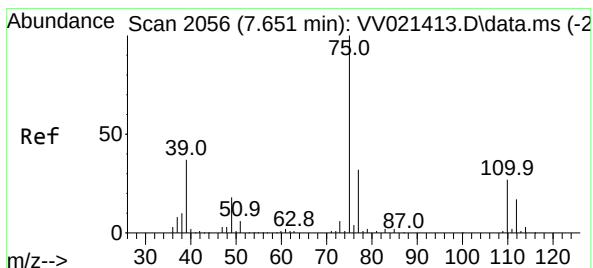
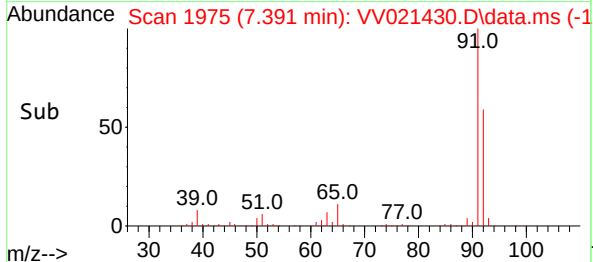
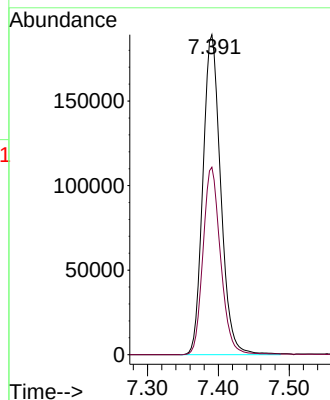
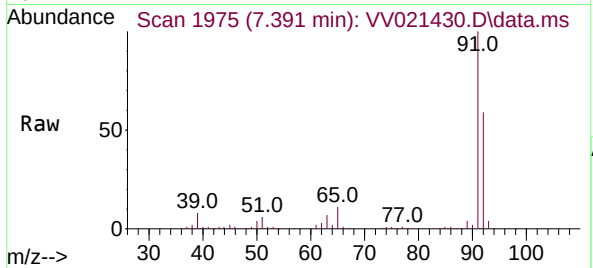




#42  
Toluene  
Concen: 5.51 ug/L  
RT: 7.391 min Scan# 1975  
Delta R.T. 0.003 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

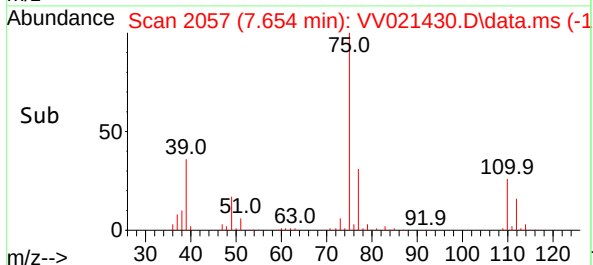
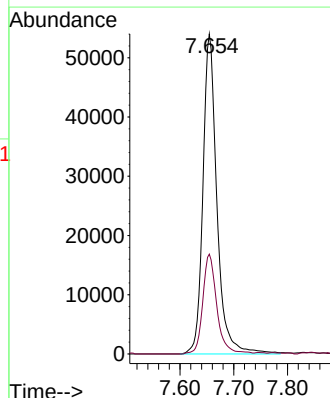
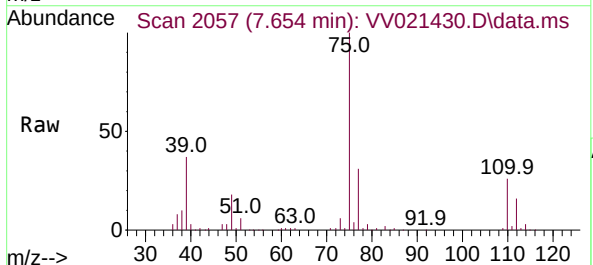
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

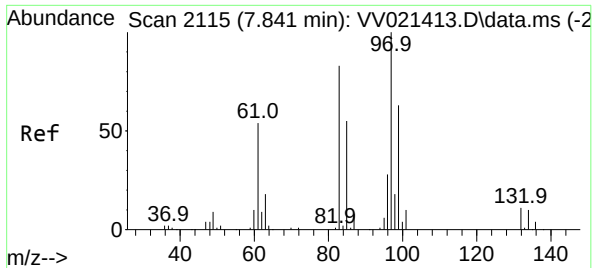
Tgt Ion: 91 Resp: 329954  
Ion Ratio Lower Upper  
91 100  
92 58.6 40.9 76.0



#44  
trans-1,3-Dichloropropene  
Concen: 5.53 ug/L  
RT: 7.654 min Scan# 2057  
Delta R.T. 0.003 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion: 75 Resp: 97776  
Ion Ratio Lower Upper  
75 100  
77 31.2 22.2 41.2

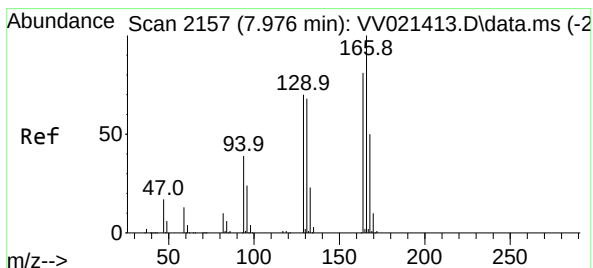
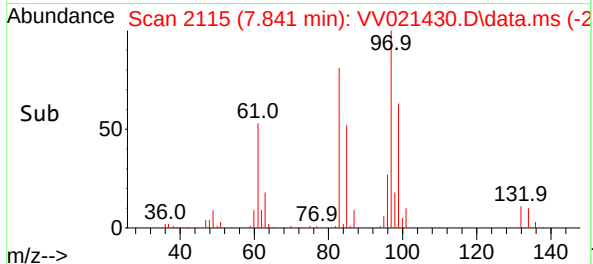
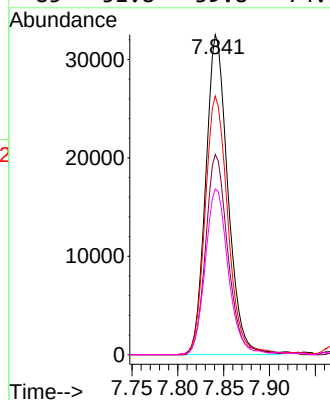
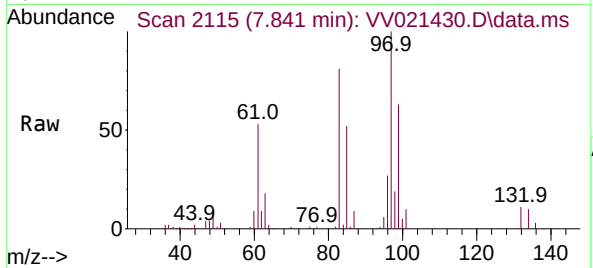




#45  
1,1,2-Trichloroethane  
Concen: 5.51 ug/L  
RT: 7.841 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

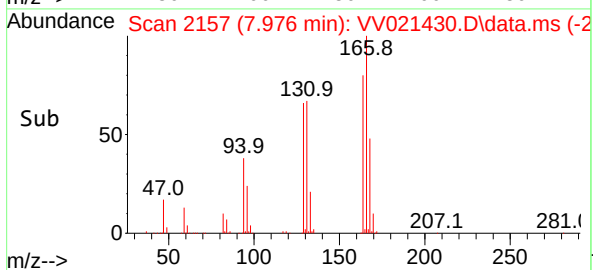
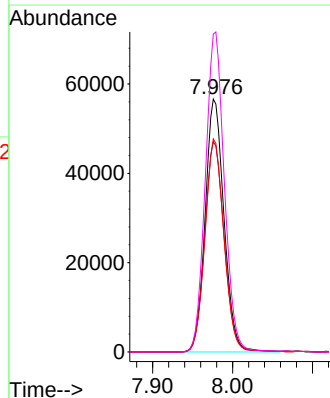
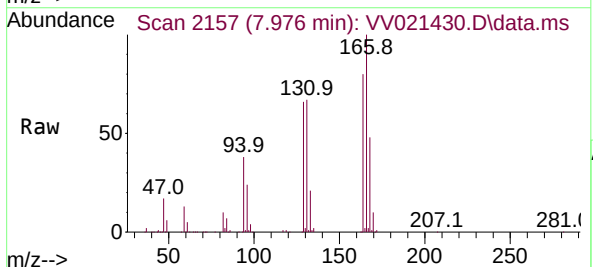
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

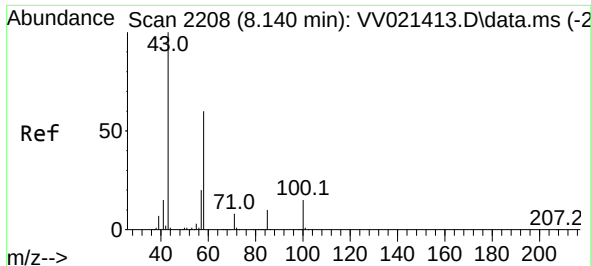
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 54768 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.6  | 44.0  | 81.8  |
| 83       | 80.8  | 59.0  | 109.6 |
| 85       | 51.8  | 39.8  | 74.0  |



#47  
Tetrachloroethene  
Concen: 6.85 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 92952 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 83.1  | 61.8  | 114.8 |
| 131      | 84.3  | 57.8  | 107.4 |
| 166      | 125.7 | 87.4  | 162.4 |



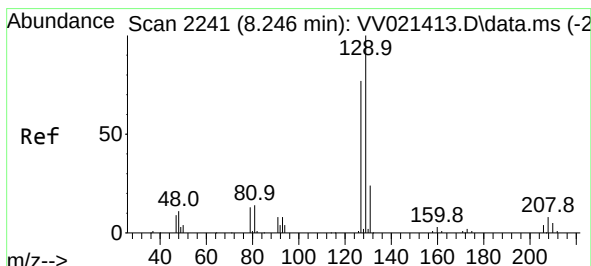
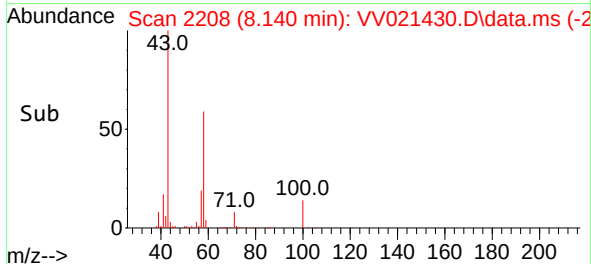
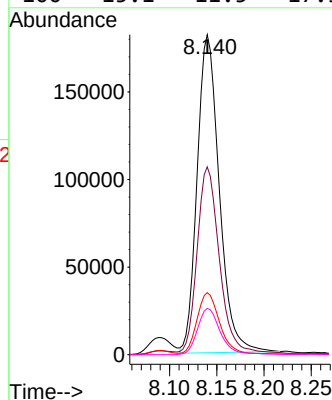
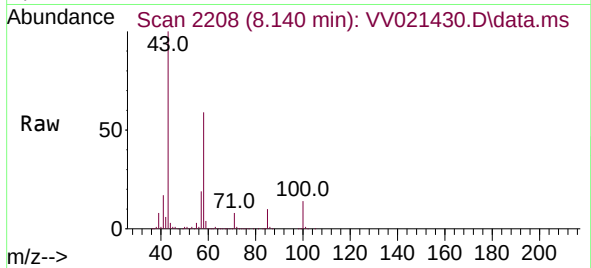


#48  
2-Hexanone  
Concen: 52.90 ug/L  
RT: 8.140 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

Tgt Ion: 43 Resp: 295743

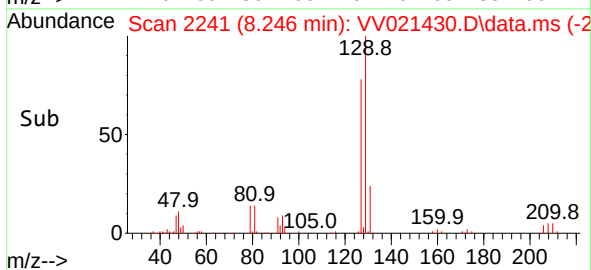
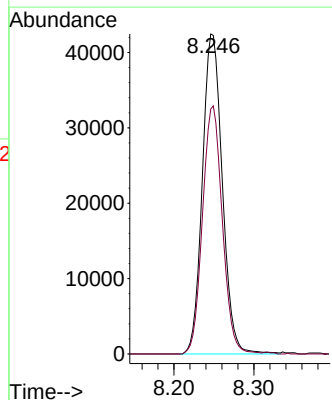
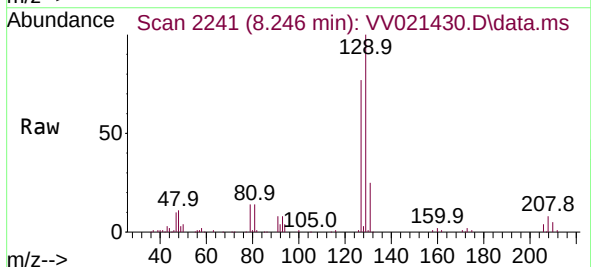
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 59.3  | 47.0  | 70.4  |
| 57  | 19.9  | 15.4  | 23.2  |
| 100 | 15.1  | 11.5  | 17.3  |

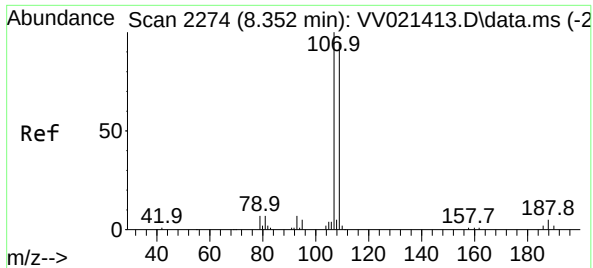


#49  
Dibromochloromethane  
Concen: 5.47 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion: 129 Resp: 73750

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.6  | 55.4  | 103.0 |





#50

1,2-Dibromoethane

Concen: 5.45 ug/L

RT: 8.355 min Scan# 2275

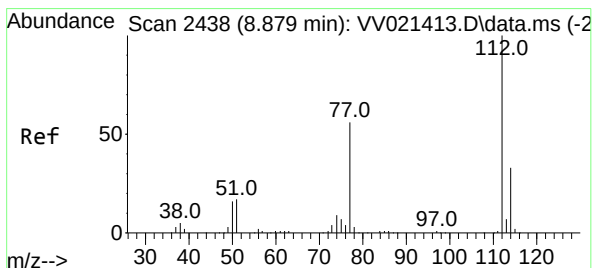
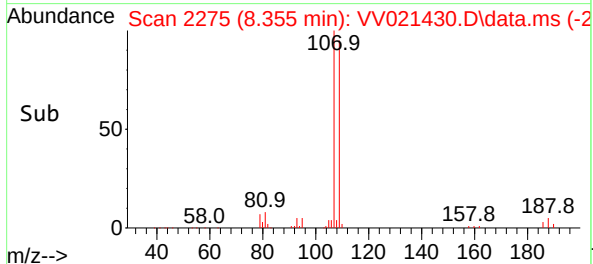
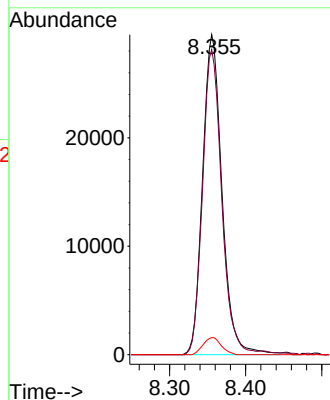
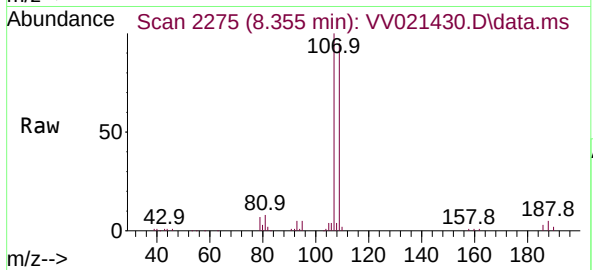
Delta R.T. 0.003 min

Lab File: VV021430.D

Acq: 26 May 2021 16:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 52192 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 95.4  | 65.3  | 121.3 |
| 188      | 5.4   | 3.8   | 5.6   |

Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS



#51

Chlorobenzene

Concen: 5.52 ug/L

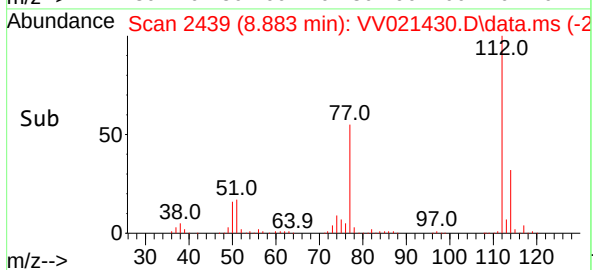
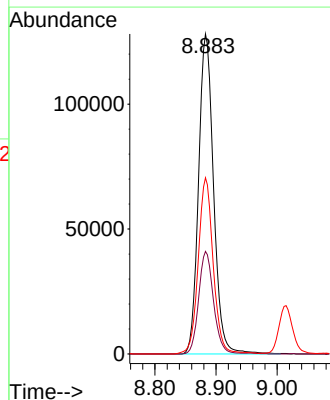
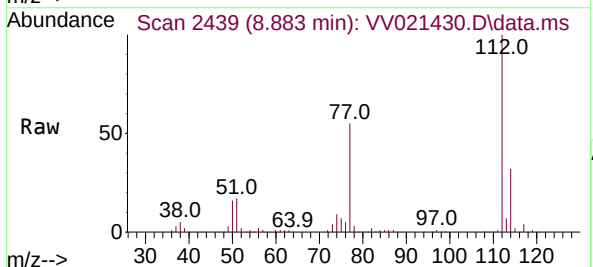
RT: 8.883 min Scan# 2439

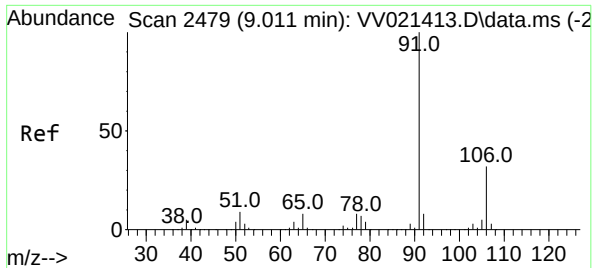
Delta R.T. 0.003 min

Lab File: VV021430.D

Acq: 26 May 2021 16:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 218330 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.0  | 22.5  | 41.9   |
| 77       | 55.1  | 44.5  | 66.7   |

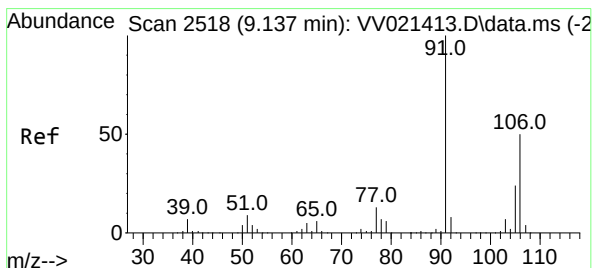
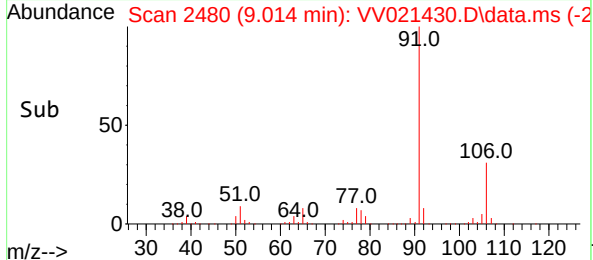
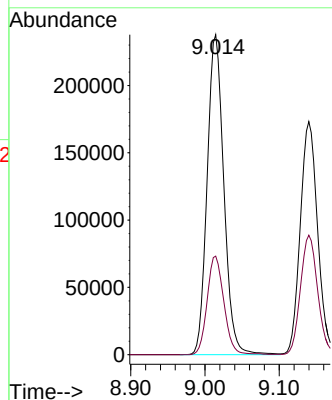
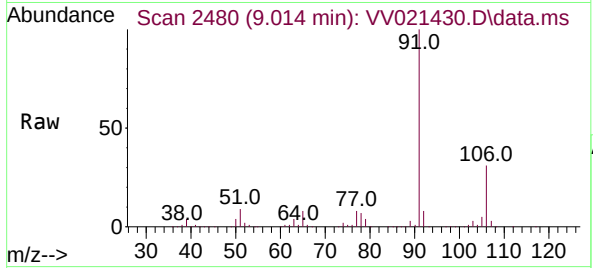




#52  
Ethylbenzene  
Concen: 5.52 ug/L  
RT: 9.014 min Scan# 2480  
Delta R.T. 0.003 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

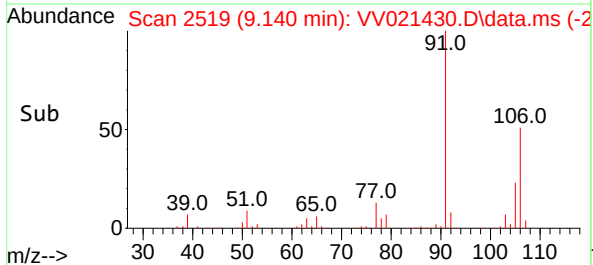
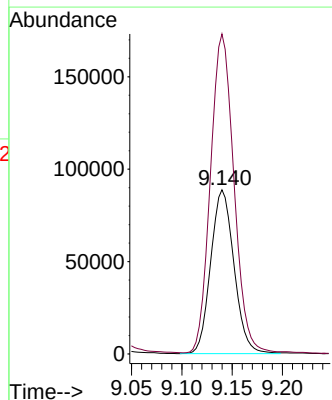
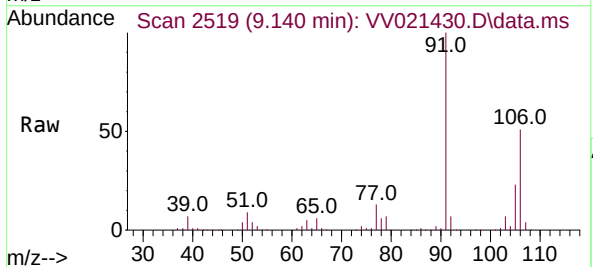
Instrument :  
MSVOA\_V  
ClientSampled :  
YARK5MS

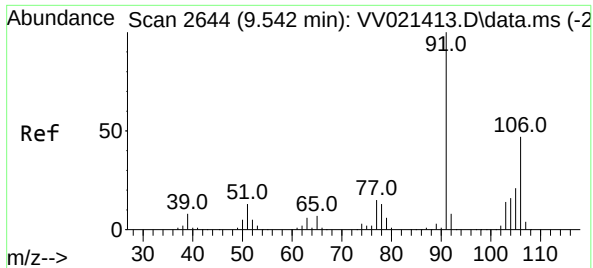
Tgt Ion: 91 Resp: 370225  
Ion Ratio Lower Upper  
91 100  
106 30.8 22.0 41.0



#53  
m,p-xylene  
Concen: 5.52 ug/L  
RT: 9.140 min Scan# 2519  
Delta R.T. 0.003 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion: 106 Resp: 142611  
Ion Ratio Lower Upper  
106 100  
91 195.0 140.8 261.4

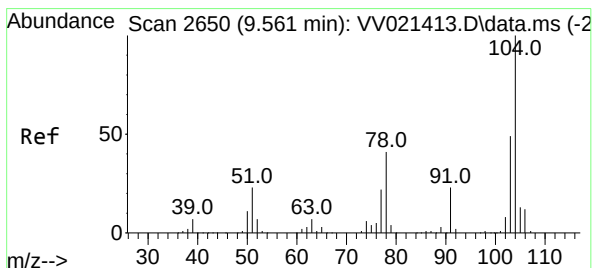
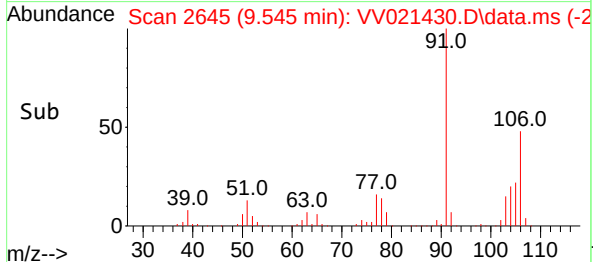
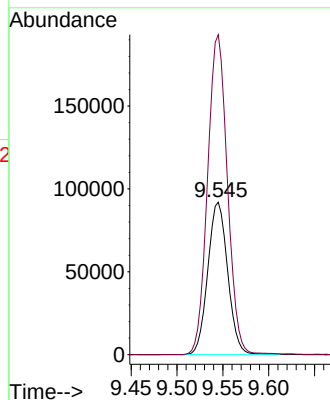
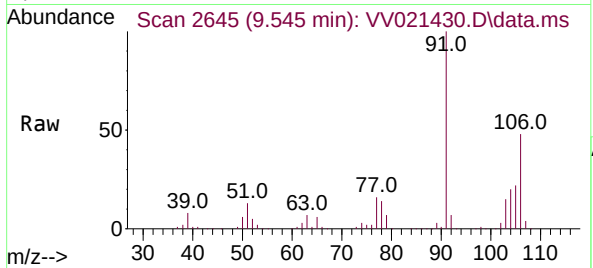




#54  
o-xylene  
Concen: 5.51 ug/L  
RT: 9.545 min Scan# 2645  
Delta R.T. 0.003 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

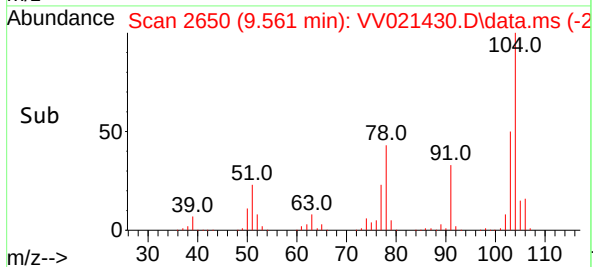
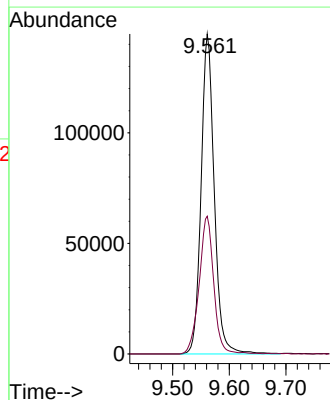
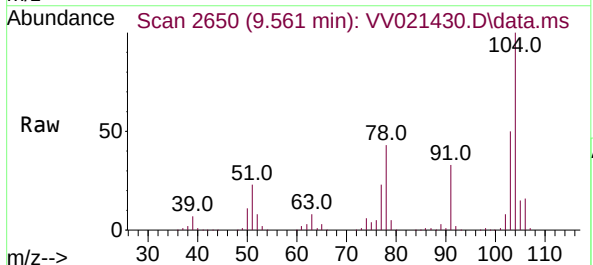
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

Tgt Ion:106 Resp: 139010  
Ion Ratio Lower Upper  
106 100  
91 209.9 146.7 272.4

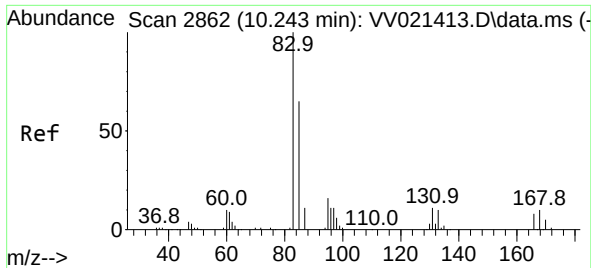


#55  
Styrene  
Concen: 5.49 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion:104 Resp: 233619  
Ion Ratio Lower Upper  
104 100  
78 43.0 29.7 55.1



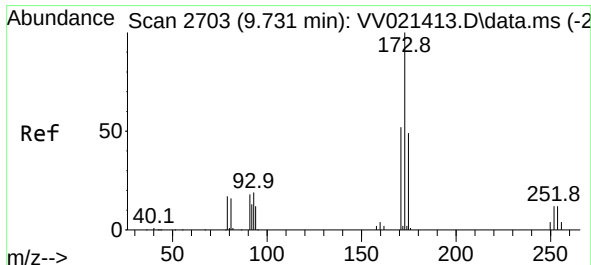
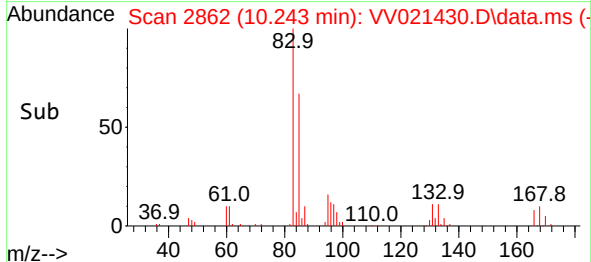
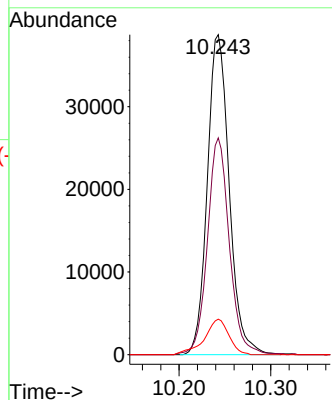
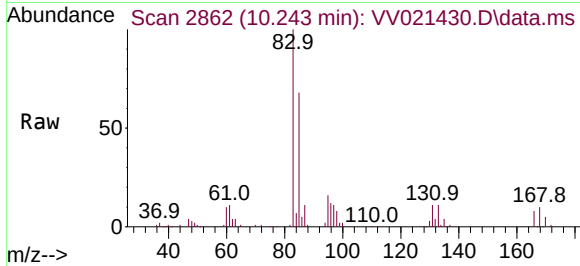




#57  
1,1,2,2-Tetrachloroethane  
Concen: 5.50 ug/L  
RT: 10.243 min Scan# 2862  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

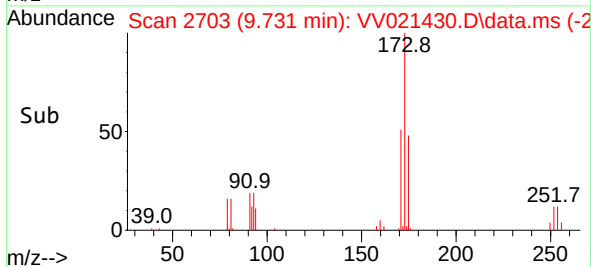
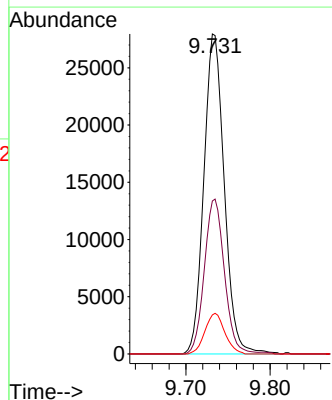
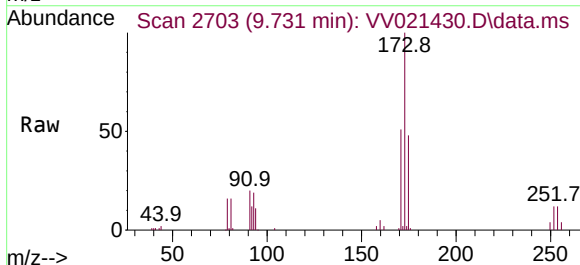
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

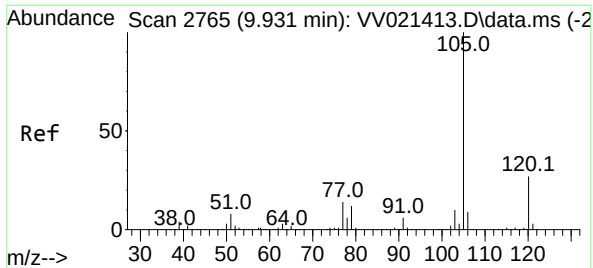
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 64346 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 67.8  | 43.3  | 80.3  |
| 131      | 11.1  | 9.4   | 14.0  |



#59  
Bromoform  
Concen: 5.48 ug/L  
RT: 9.731 min Scan# 2703  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 47214 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.8  | 40.2  | 60.4  |
| 254      | 12.4  | 9.8   | 14.8  |

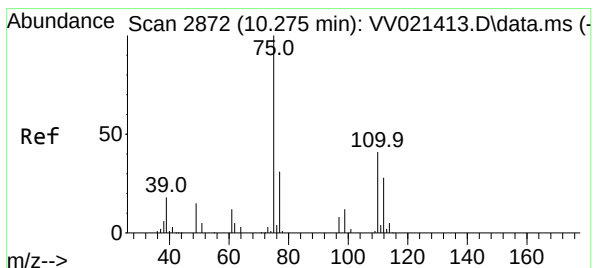
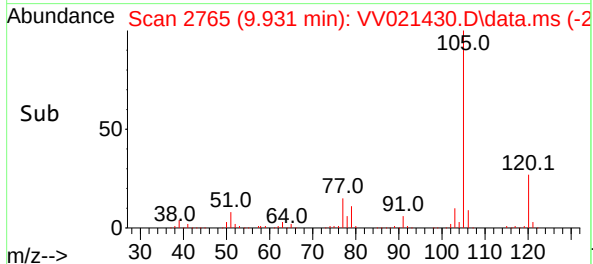
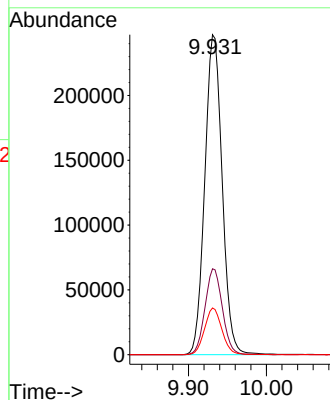
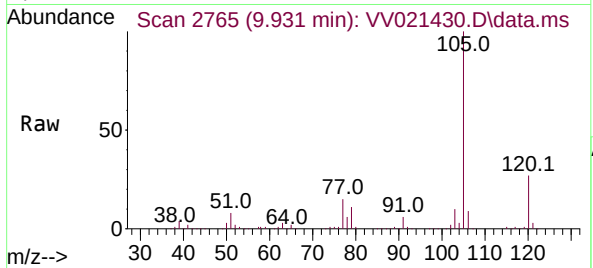




#60  
Isopropylbenzene  
Concen: 5.43 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

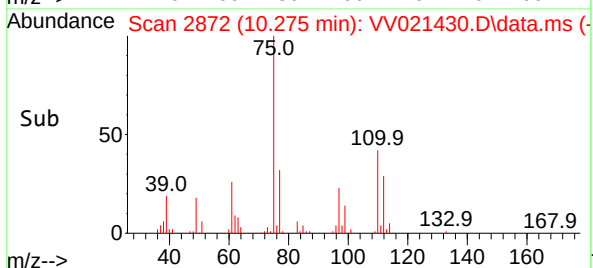
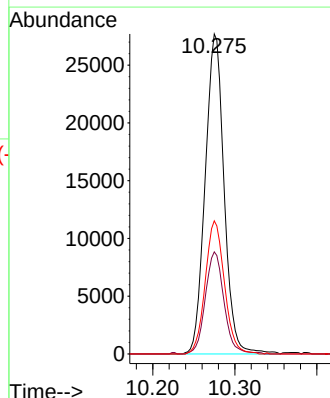
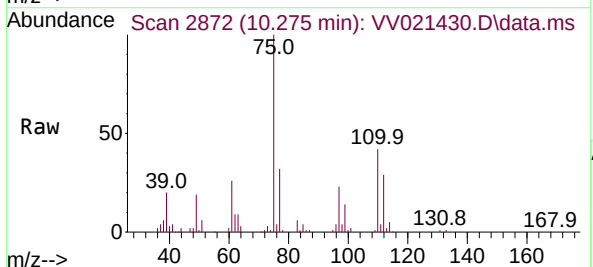
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

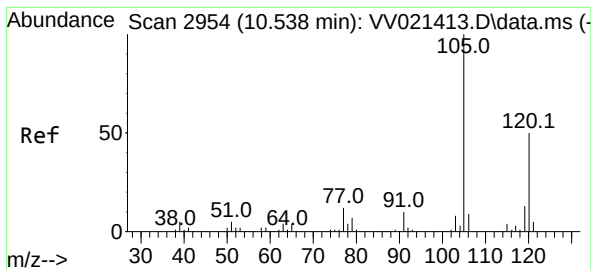
Tgt Ion:105 Resp: 382544  
Ion Ratio Lower Upper  
105 100  
120 26.9 21.8 32.8  
77 14.5 11.3 16.9



#61  
1,2,3-Trichloropropane  
Concen: 5.25 ug/L  
RT: 10.275 min Scan# 2872  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion: 75 Resp: 44421  
Ion Ratio Lower Upper  
75 100  
77 31.4 27.3 40.9  
110 42.2 34.2 51.2

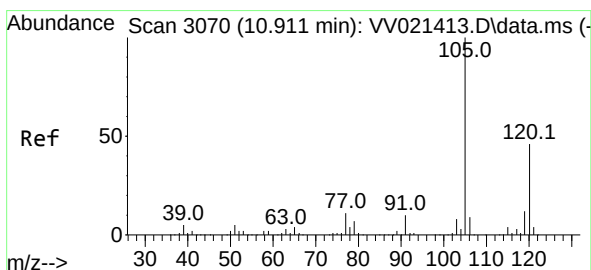
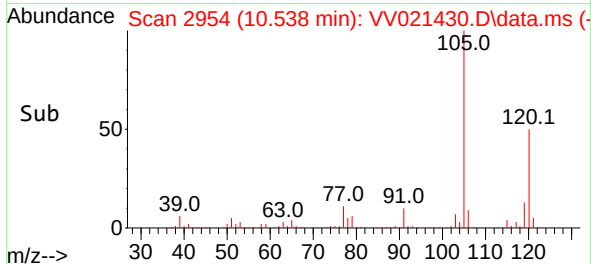
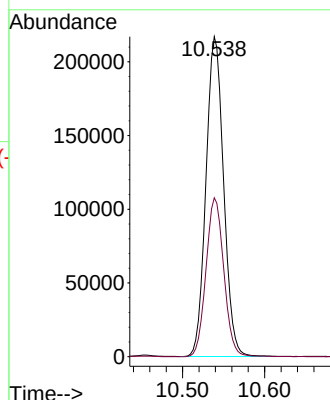
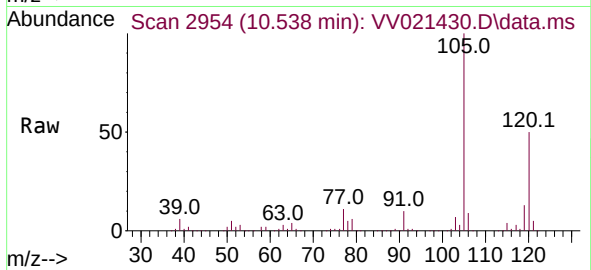




#62  
1,3,5-Trimethylbenzene  
Concen: 5.40 ug/L  
RT: 10.538 min Scan# 2954  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

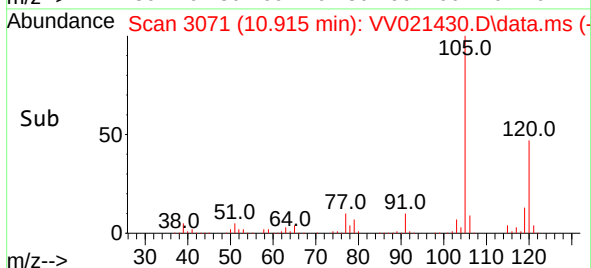
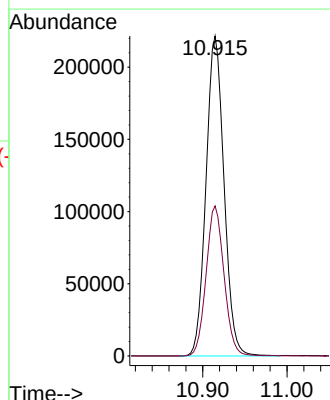
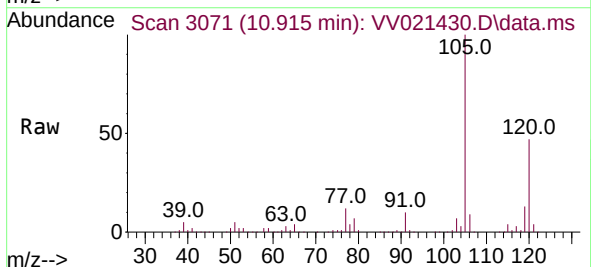
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

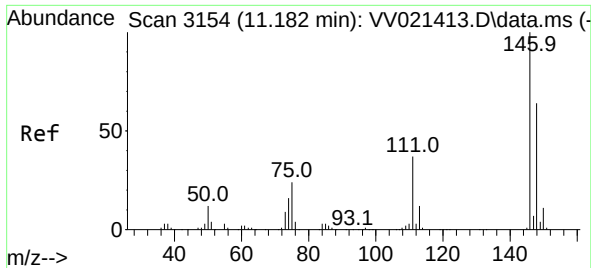
Tgt Ion:105 Resp: 324123  
Ion Ratio Lower Upper  
105 100  
120 50.0 40.2 60.2



#63  
1,2,4-Trimethylbenzene  
Concen: 5.38 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.003 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion:105 Resp: 330094  
Ion Ratio Lower Upper  
105 100  
120 46.7 37.4 56.0

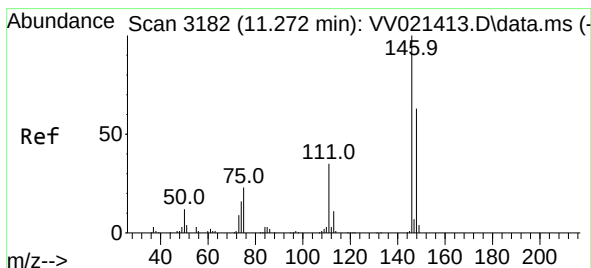
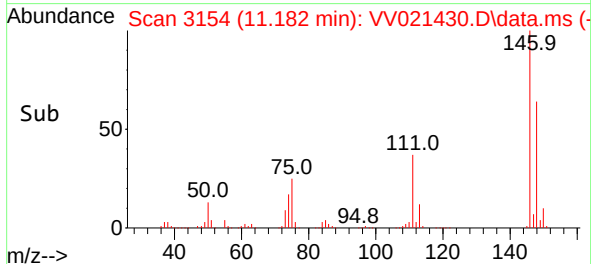
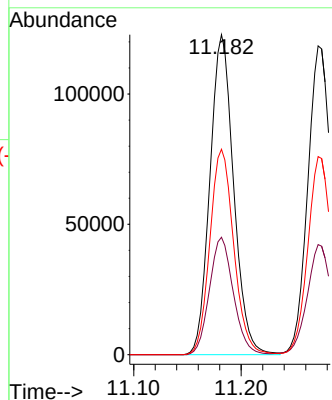
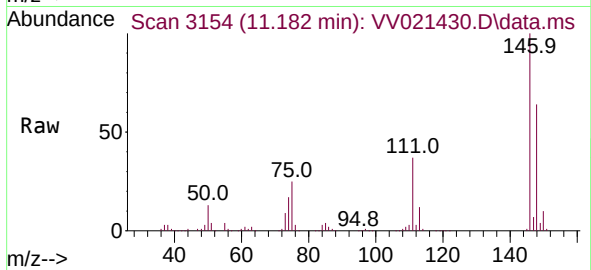




#64  
1,3-Dichlorobenzene  
Concen: 5.42 ug/L  
RT: 11.182 min Scan# 3154  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

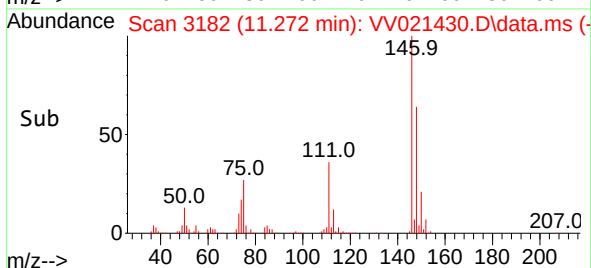
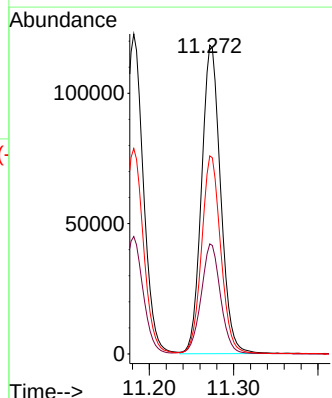
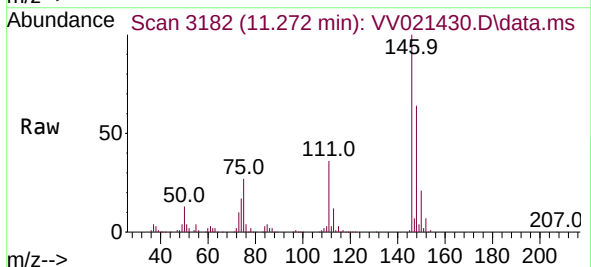
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

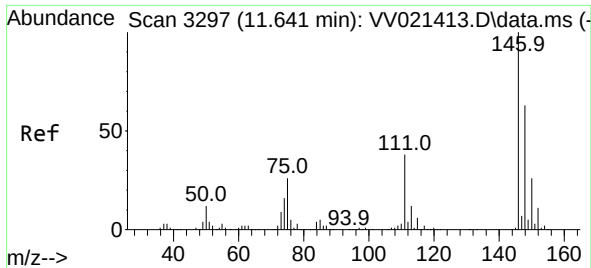
Tgt Ion:146 Resp: 188101  
Ion Ratio Lower Upper  
146 100  
111 36.7 26.2 48.6  
148 64.2 44.9 83.5



#65  
1,4-Dichlorobenzene  
Concen: 5.40 ug/L  
RT: 11.272 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion:146 Resp: 186857  
Ion Ratio Lower Upper  
146 100  
111 35.6 25.1 46.5  
148 64.1 44.4 82.5

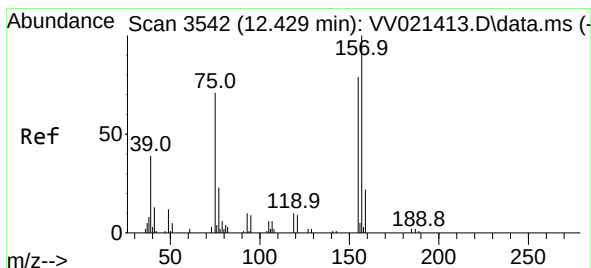
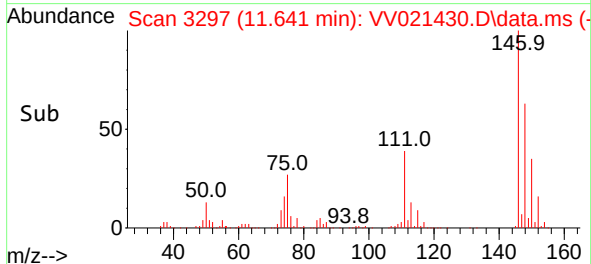
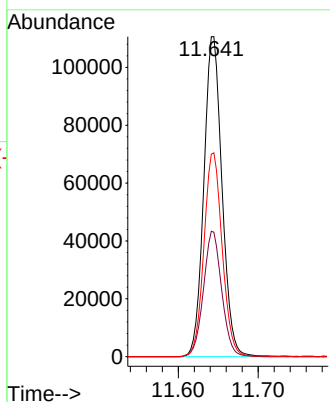
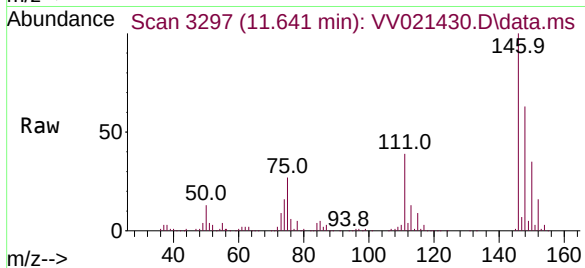




#67  
1,2-Dichlorobenzene  
Concen: 5.45 ug/L  
RT: 11.641 min Scan# 3297  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

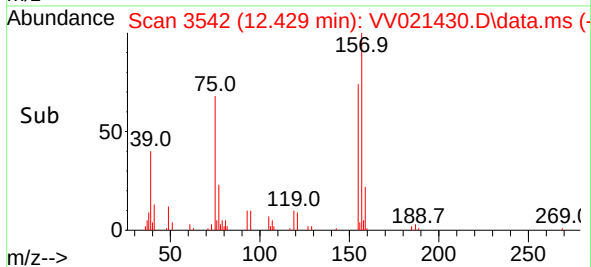
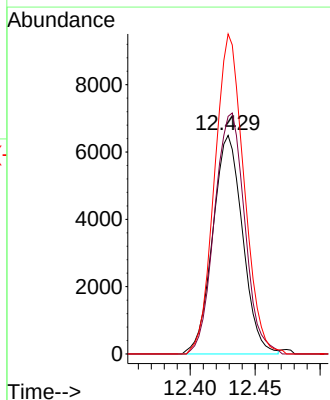
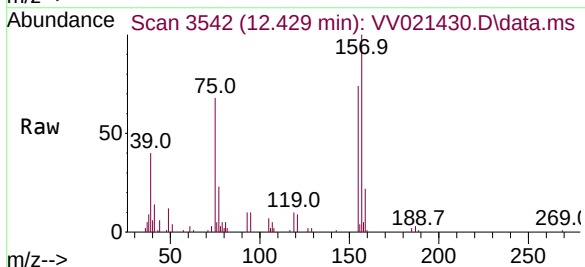
Instrument :  
MSVOA\_V  
ClientSampled :  
YARK5MS

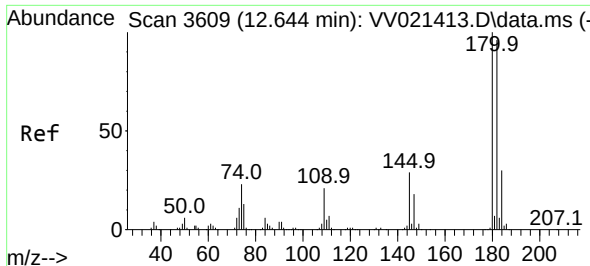
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 175042 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 39.2  | 31.2  | 46.8   |
| 148       | 63.3  | 50.9  | 76.3   |



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.01 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 10374 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 108.7 | 87.2  | 130.8 |
| 157       | 146.4 | 106.1 | 159.1 |

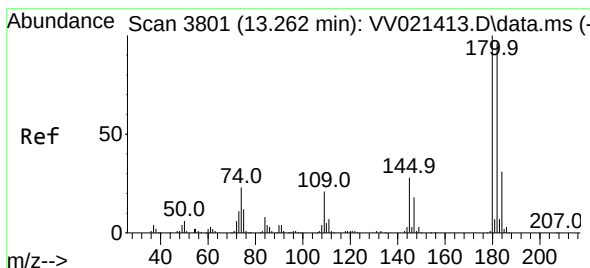
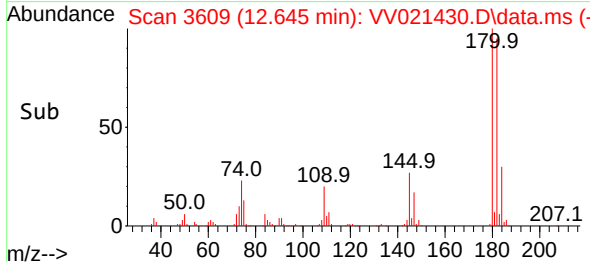
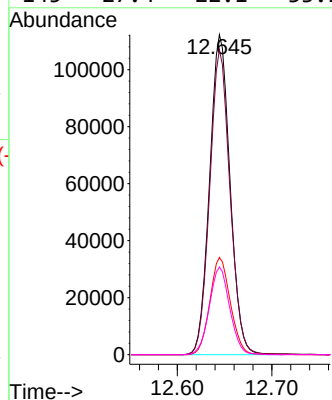
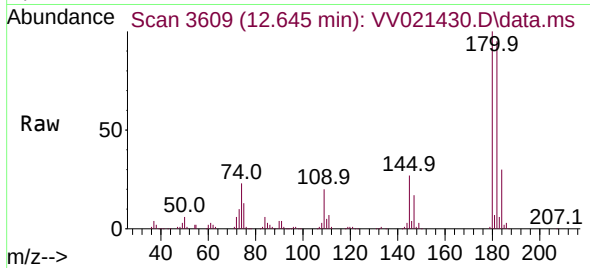




#69  
1,3,5-Trichlorobenzene  
Concen: 5.38 ug/L  
RT: 12.645 min Scan# 3609  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

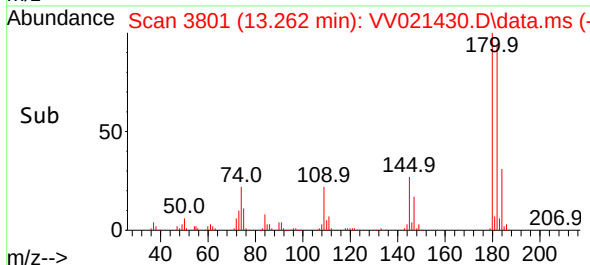
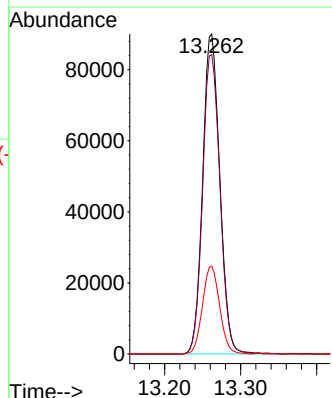
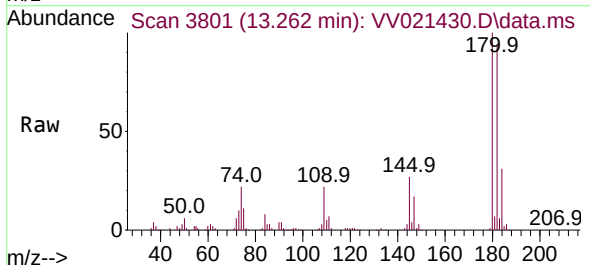
Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

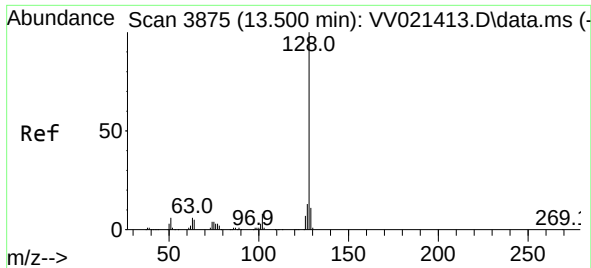
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 168013 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.0  | 76.4  | 114.6  |
| 184       | 30.5  | 24.0  | 36.0   |
| 145       | 27.4  | 22.1  | 33.1   |



#70  
1,2,4-trichlorobenzene  
Concen: 5.44 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 141088 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.9  | 76.3  | 114.5  |
| 145       | 27.4  | 23.0  | 34.4   |

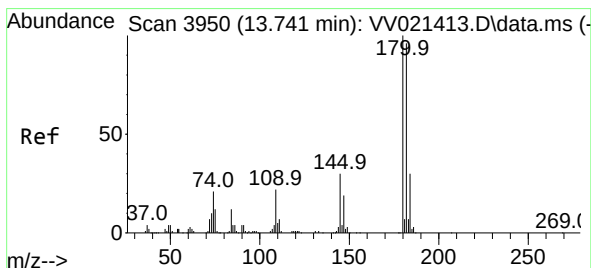
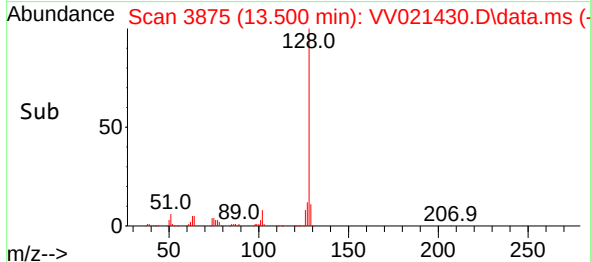
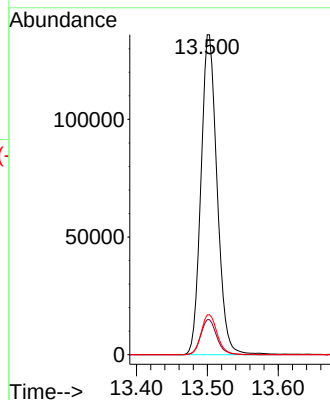
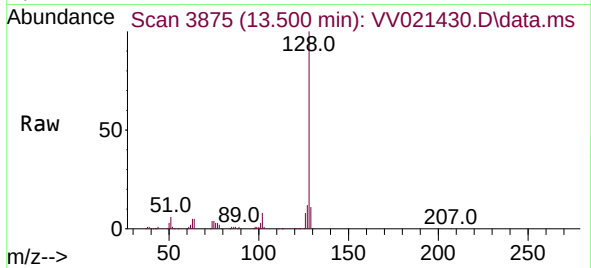




#71  
Naphthalene  
Concen: 5.30 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. 0.000 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Instrument :  
MSVOA\_V  
ClientSampleId :  
YARK5MS

Tgt Ion:128 Resp: 215042  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.4 12.6  
127 12.5 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 5.22 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. 0.003 min  
Lab File: VV021430.D  
Acq: 26 May 2021 16:57

Tgt Ion:180 Resp: 120139  
Ion Ratio Lower Upper  
180 100  
182 98.3 76.3 114.5  
145 30.3 24.3 36.5

