

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW071221\  
 Data File : VW021616.D  
 Acq On : 12 Jul 2021 09:31  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 13 01:09:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 07 01:00:10 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612   | 114   | 495148   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850   | 117   | 463905   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 248472   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 118445   | 37.808   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 75.620%  |
| 7) Chloroethane-d5            | 1.558   | 69    | 107386   | 41.940   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 83.880%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 245715   | 42.868   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 85.740%  |
| 21) 2-Butanone-d5             | 3.867   | 46    | 249552   | 93.271   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 93.270%  |
| 24) Chloroform-d              | 4.346   | 84    | 306312   | 46.745   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.500%  |
| 26) 1,2-Dichloroethane-d4     | 5.027   | 65    | 181409   | 46.983   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.960%  |
| 32) Benzene-d6                | 5.047   | 84    | 582220   | 44.699   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.066   | 67    | 188501   | 45.884   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 91.760%  |
| 41) Toluene-d8                | 7.313   | 98    | 541984   | 44.992   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.980%  |
| 43) trans-1,3-Dichloroprop... | 7.619   | 79    | 94399    | 46.192   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.380%  |
| 47) 2-Hexanone-d5             | 8.085   | 63    | 184832   | 96.992   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 96.990%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 277106   | 50.064   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 100.120% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 232580   | 46.951   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.900%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 195990   | 45.764   | ug/L   | 100      |
| 3) Chloromethane              | 1.240   | 50    | 186902   | 45.332   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.310   | 62    | 184294   | 45.151   | ug/L   | 99       |
| 6) Bromomethane               | 1.507   | 94    | 106752   | 44.880   | ug/L   | 98       |
| 8) Chloroethane               | 1.577   | 64    | 106027   | 45.182   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 256737   | 49.978   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111   | 101   | 143672   | 48.821   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 132721   | 46.935   | ug/L   | 94       |
| 13) Acetone                   | 2.156   | 43    | 227969   | 103.063  | ug/L # | 100      |
| 14) Carbon disulfide          | 2.291   | 76    | 442010   | 44.335   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.423   | 43    | 182104   | 44.304   | ug/L   | 99       |
| 16) Methylene chloride        | 2.503   | 84    | 171701   | 44.728   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 161554   | 46.829   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.764   | 73    | 535146   | 47.895   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.185   | 63    | 291129   | 46.328   | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.908   | 96    | 181755   | 47.379   | ug/L   | 97       |
| 22) 2-Butanone                | 3.950   | 43    | 299407   | 98.012   | ug/L   | 97       |
| 23) Bromochloromethane        | 4.243   | 128   | 95012    | 46.923   | ug/L   | 99       |
| 25) Chloroform                | 4.371   | 83    | 305205   | 47.638   | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV071221\  
 Data File : VV021616.D  
 Acq On : 12 Jul 2021 09:31  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

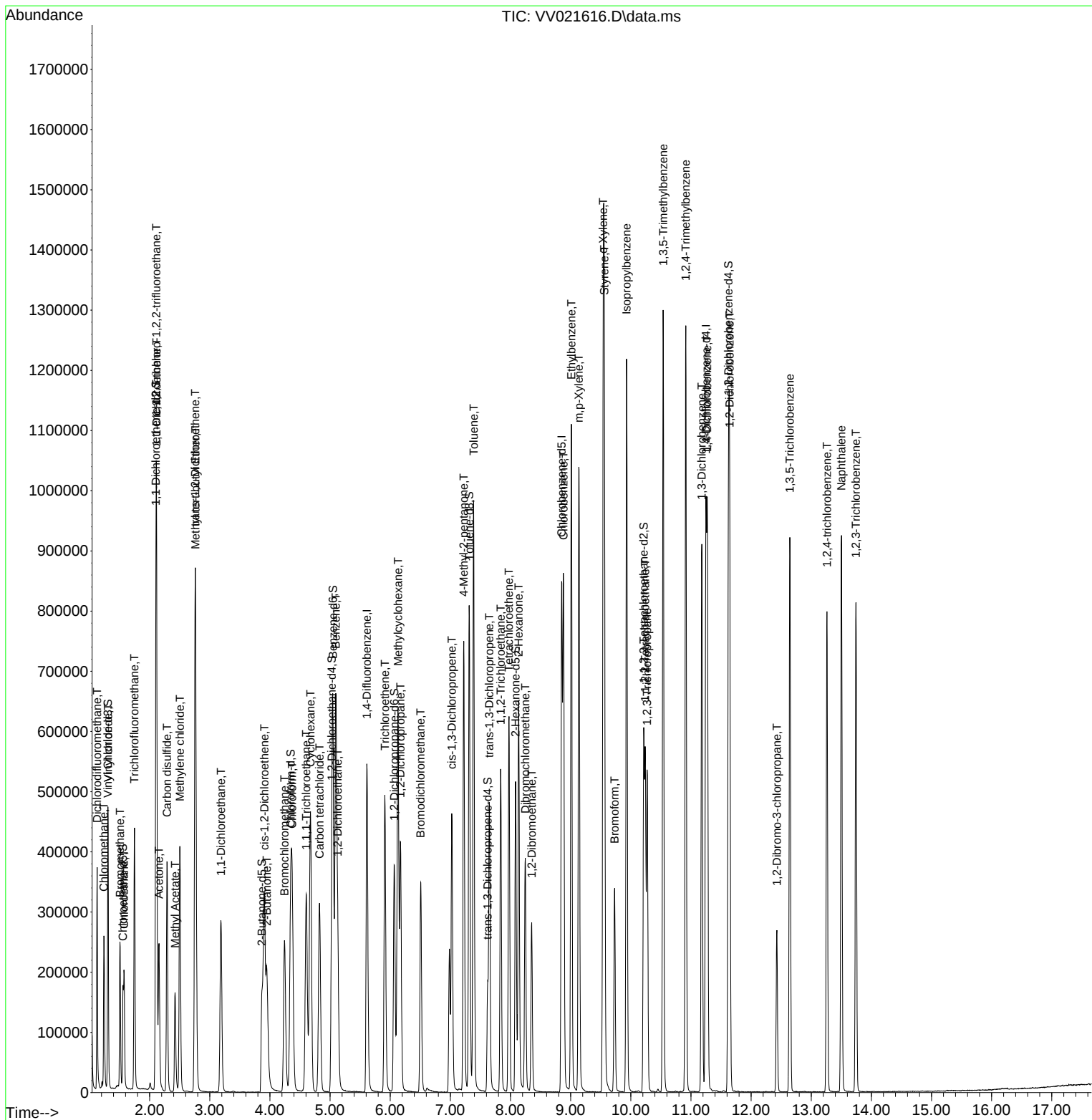
Instrument :  
 MSVOA\_V  
 ClientSampleId :

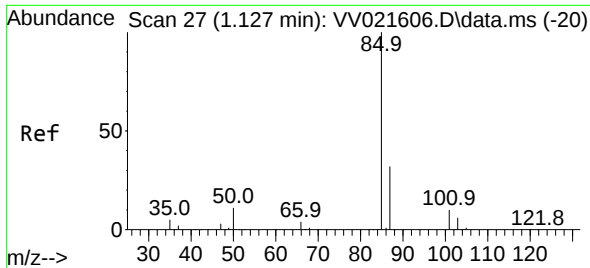
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jul 07 01:00:10 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 220323   | 47.281 | ug/L  | 99       |
| 29) Cyclohexane               | 4.674  | 56   | 269693   | 46.040 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 274505   | 47.067 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.825  | 117  | 246161   | 47.925 | ug/L  | 100      |
| 33) Benzene                   | 5.095  | 78   | 663486   | 46.996 | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 174740   | 45.788 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.130  | 83   | 286534   | 47.293 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 169348   | 46.148 | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 236153   | 47.619 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 285936   | 47.251 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 478387   | 88.807 | ug/L  | 100      |
| 42) Toluene                   | 7.387  | 91   | 714620   | 47.257 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 271494   | 48.042 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 168692   | 46.793 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.976  | 164  | 144121   | 47.483 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.136  | 43   | 389277   | 91.425 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.246  | 129  | 202668   | 48.815 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 183481   | 46.419 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.882  | 112  | 470831   | 47.845 | ug/L  | 100      |
| 52) Ethylbenzene              | 9.011  | 91   | 780109   | 47.485 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.136  | 106  | 303918   | 48.205 | ug/L  | 98       |
| 54) o-Xylene                  | 9.542  | 106  | 301376   | 47.915 | ug/L  | 97       |
| 55) Styrene                   | 9.561  | 104  | 517341   | 48.675 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 269647   | 47.983 | ug/L  | 99       |
| 59) Bromoform                 | 9.731  | 173  | 152680   | 47.808 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.931  | 105  | 797714   | 47.069 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 213533   | 44.456 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 684303   | 47.377 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 694506   | 47.514 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 378869   | 47.541 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 382258   | 47.989 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 380619   | 47.657 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 64079    | 45.001 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 284229   | 47.725 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 246394   | 48.106 | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 737705   | 47.292 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 243885   | 48.210 | ug/L  | 99       |

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

Quant Time: Jul 13 01:09:18 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062921WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 07 01:00:10 2021  
Response via : Initial Calibration

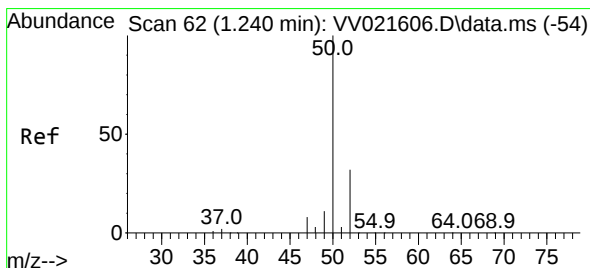
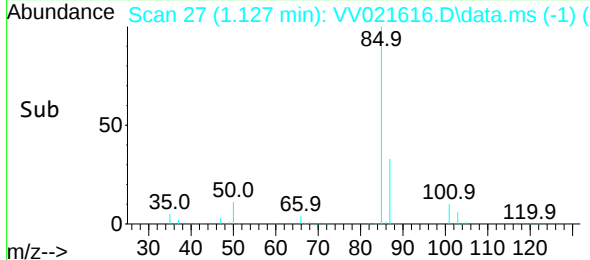
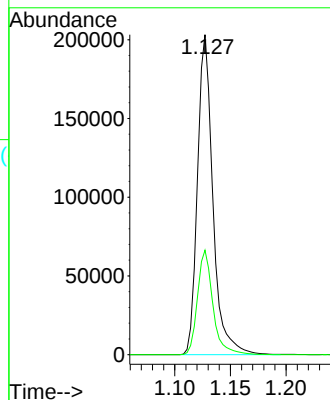
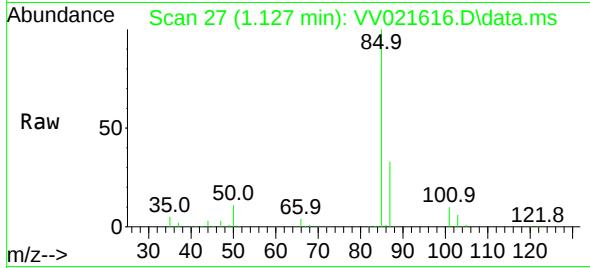




#2  
 Dichlorodifluoromethane  
 Concen: 45.764 ug/L  
 RT: 1.127 min Scan# 27  
 Delta R.T. -0.000 min  
 Lab File: VV021616.D  
 Acq: 12 Jul 2021 09:31

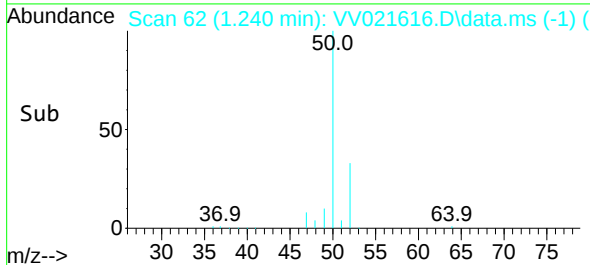
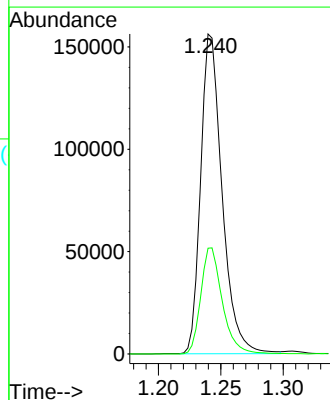
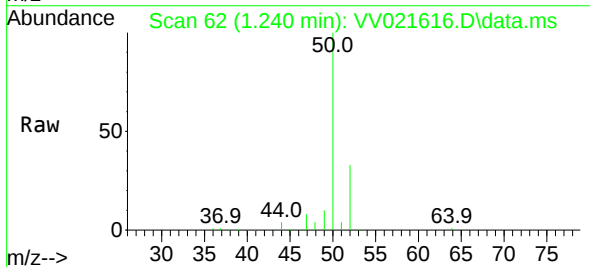
Instrument :  
 MSVOA\_V  
 ClientSampled :

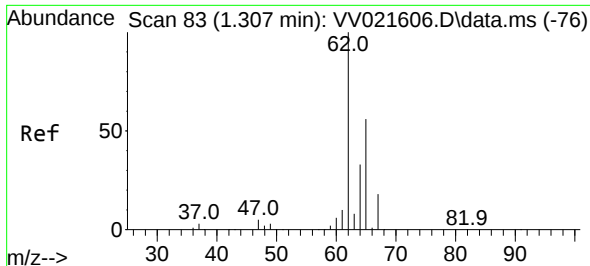
Tgt Ion: 85 Resp: 195990  
 Ion Ratio Lower Upper  
 85 100  
 87 32.7 26.1 39.1



#3  
 Chloromethane  
 Concen: 45.332 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. -0.000 min  
 Lab File: VV021616.D  
 Acq: 12 Jul 2021 09:31

Tgt Ion: 50 Resp: 186902  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 22.3 41.5

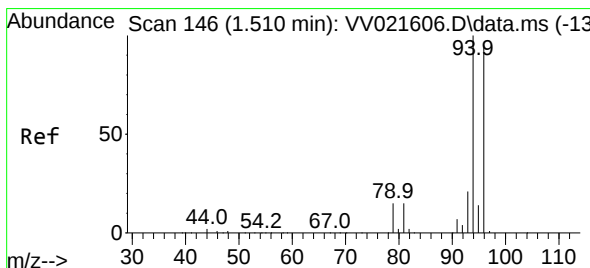
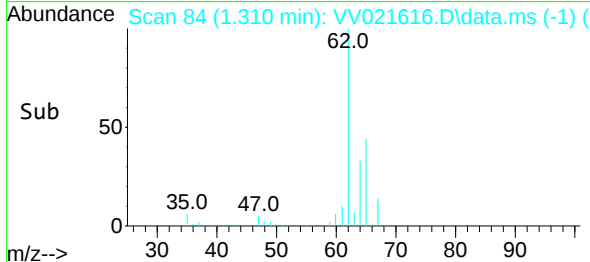
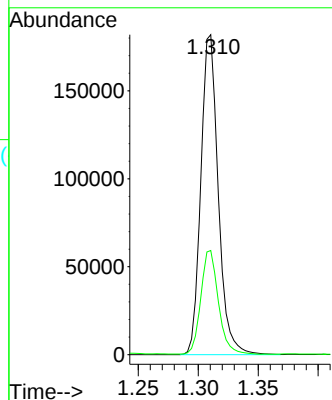
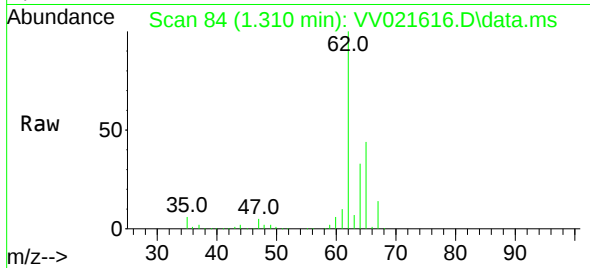




#5  
 Vinyl chloride  
 Concen: 45.151 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV021616.D  
 Acq: 12 Jul 2021 09:31

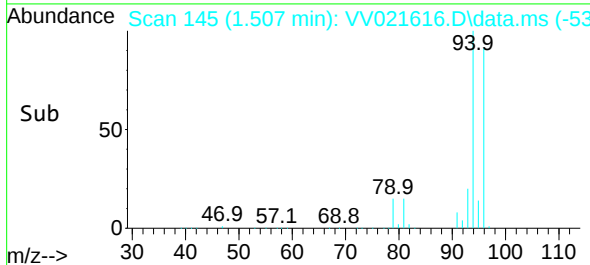
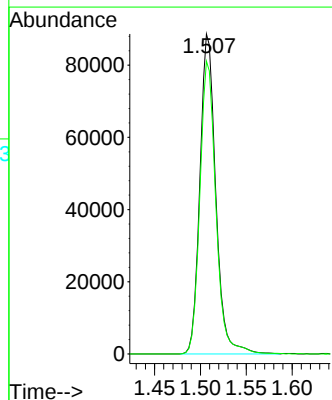
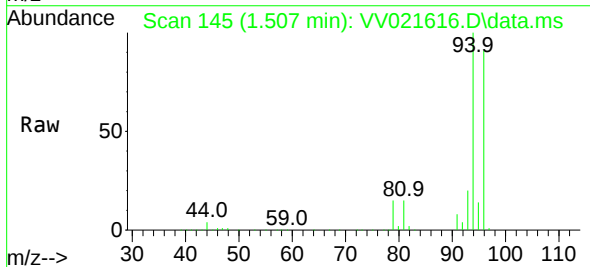
Instrument :  
 MSVOA\_V  
 ClientSampled :

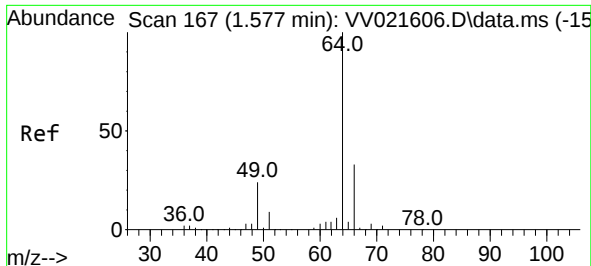
Tgt Ion: 62 Resp: 184294  
 Ion Ratio Lower Upper  
 62 100  
 64 32.6 23.3 43.3



#6  
 Bromomethane  
 Concen: 44.880 ug/L  
 RT: 1.507 min Scan# 145  
 Delta R.T. -0.003 min  
 Lab File: VV021616.D  
 Acq: 12 Jul 2021 09:31

Tgt Ion: 94 Resp: 106752  
 Ion Ratio Lower Upper  
 94 100  
 96 91.5 65.5 121.7

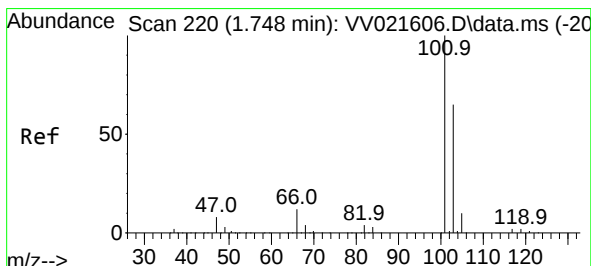
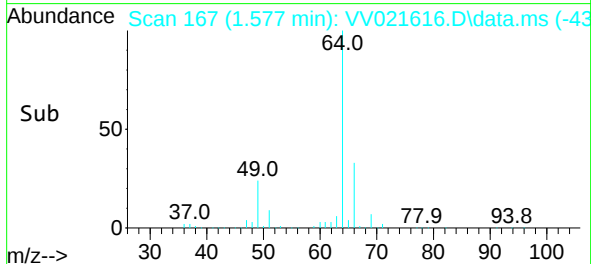
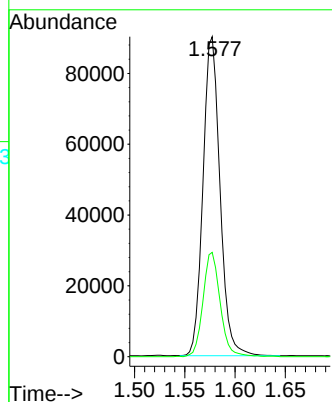
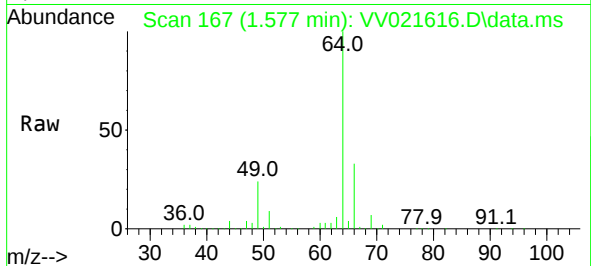




#8  
Chloroethane  
Concen: 45.182 ug/L  
RT: 1.577 min Scan# 167  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

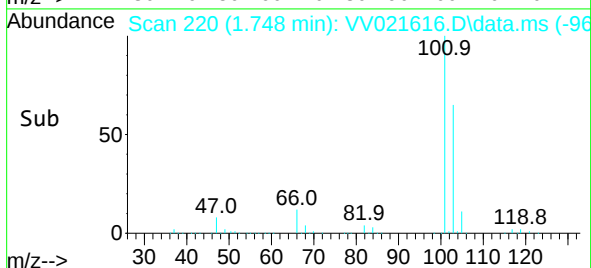
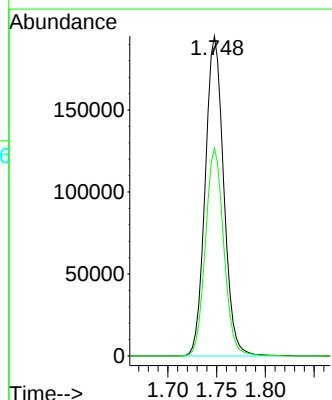
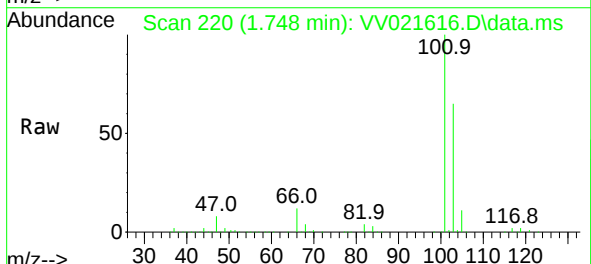
Instrument :  
MSVOA\_V  
ClientSampled :

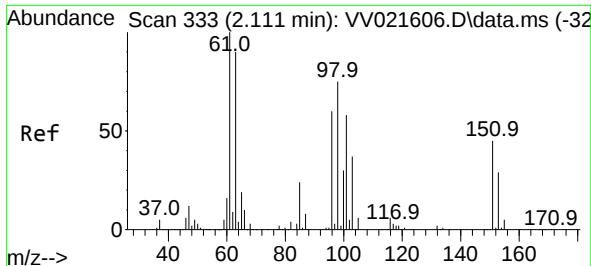
Tgt Ion: 64 Resp: 106027  
Ion Ratio Lower Upper  
64 100  
66 32.6 22.3 41.3



#9  
Trichlorofluoromethane  
Concen: 49.978 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion:101 Resp: 256737  
Ion Ratio Lower Upper  
101 100  
103 64.6 52.4 78.6





#10

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

Concen: 48.821 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.000 min

Lab File: VV021616.D

Acq: 12 Jul 2021 09:31

Tgt Ion:101 Resp: 143672

Ion Ratio Lower Upper

101 100

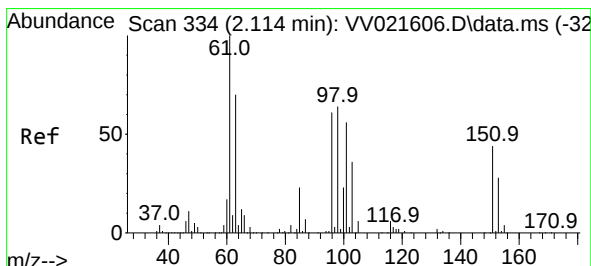
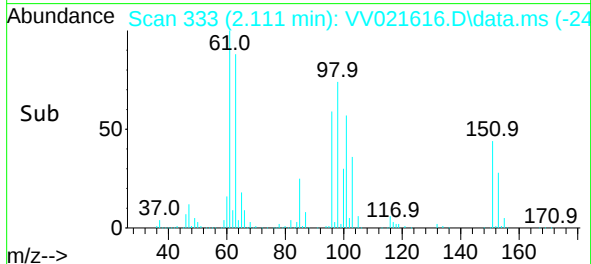
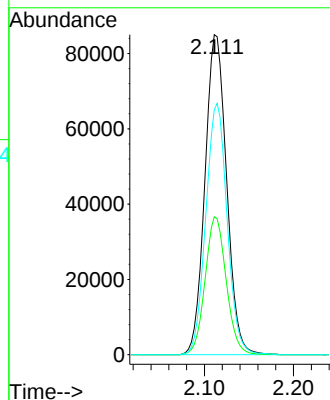
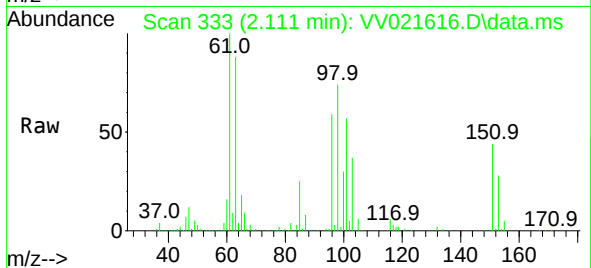
85 42.0 33.3 49.9

151 77.6 62.8 94.2

Instrument :

MSVOA\_V

ClientSampleId :



#12

1,1-Dichloroethene

Concen: 46.935 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.000 min

Lab File: VV021616.D

Acq: 12 Jul 2021 09:31

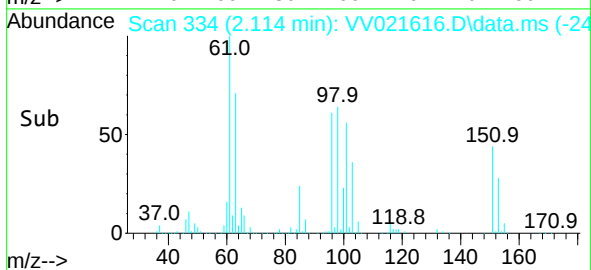
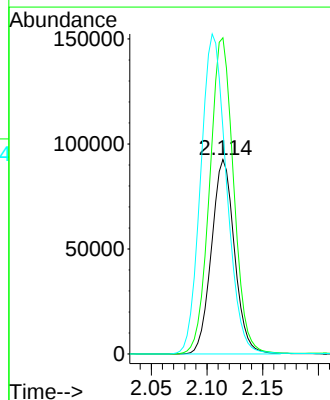
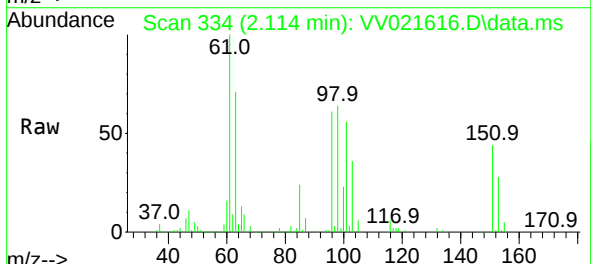
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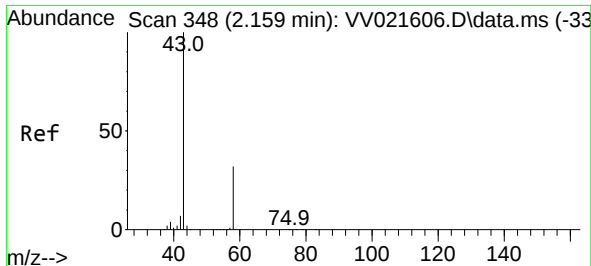
Ion Ratio Lower Upper

96 100

61 162.6 112.9 209.7

63 116.0 90.8 168.6

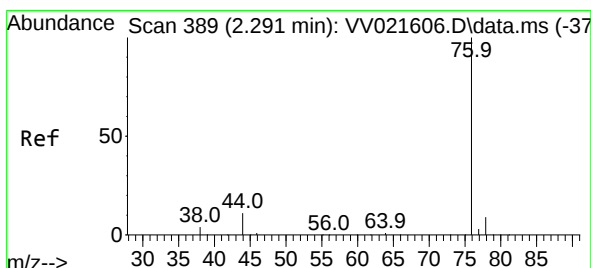
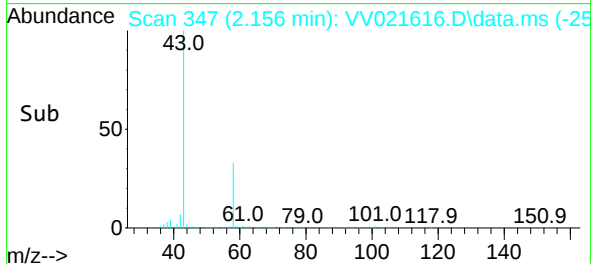
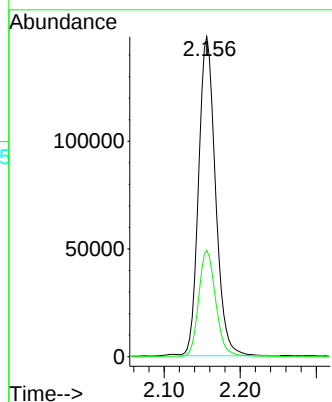
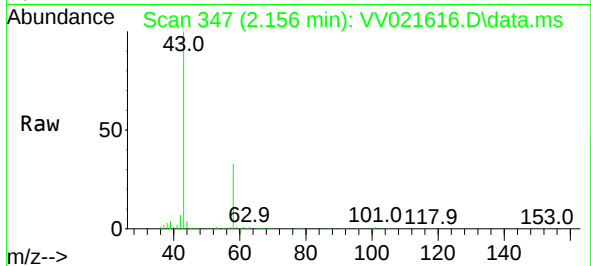




#13  
Acetone  
Concen: 103.063 ug/L  
RT: 2.156 min Scan# 347  
Delta R.T. -0.003 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

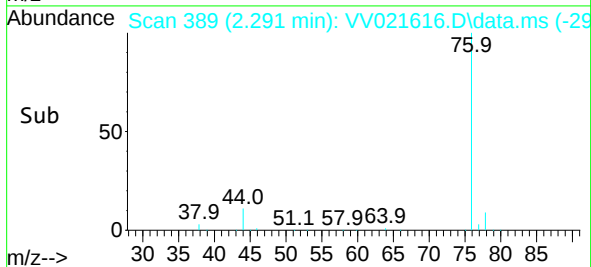
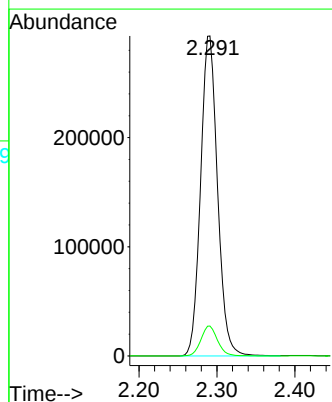
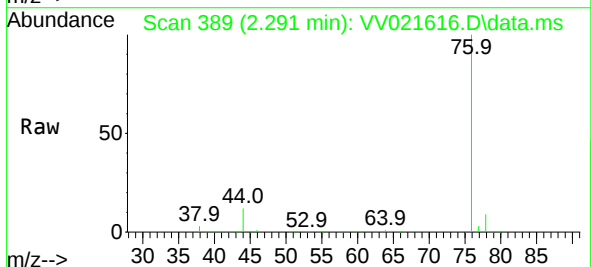
Instrument :  
MSVOA\_V  
ClientSampled :

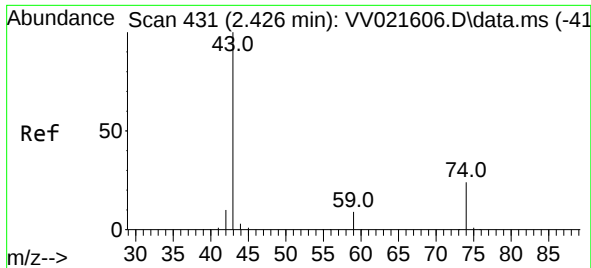
Tgt Ion: 43 Resp: 227969  
Ion Ratio Lower Upper  
43 100  
58 33.9 0.0 0.0#



#14  
Carbon disulfide  
Concen: 44.335 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion: 76 Resp: 442010  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.4 11.0

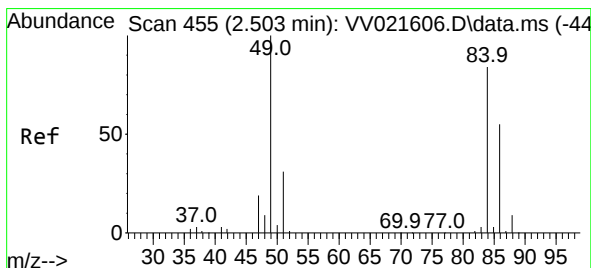
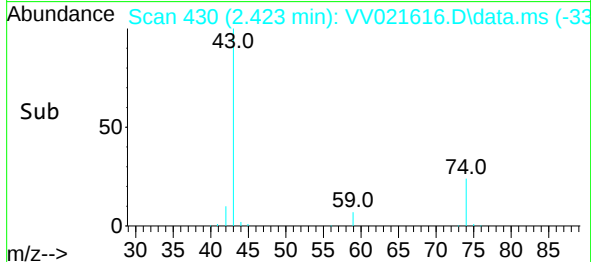
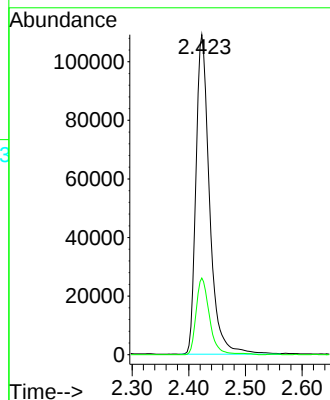
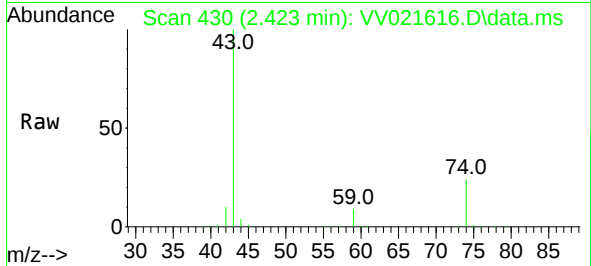




#15  
Methyl Acetate  
Concen: 44.304 ug/L  
RT: 2.423 min Scan# 430  
Delta R.T. -0.003 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

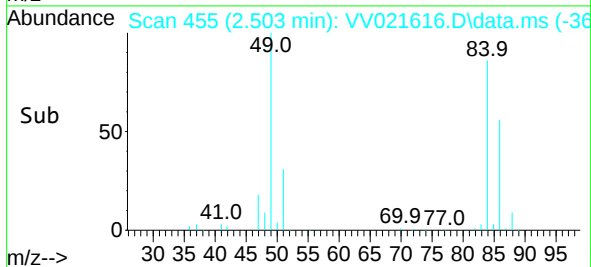
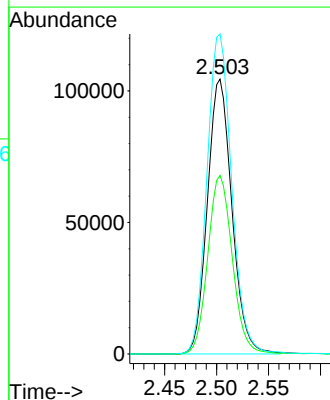
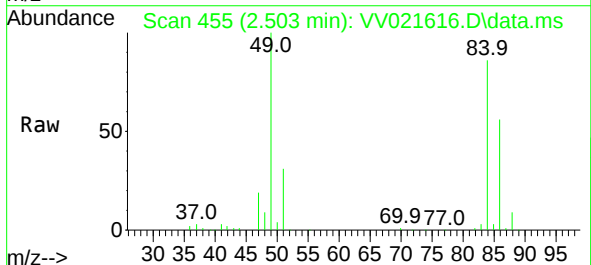
Instrument :  
MSVOA\_V  
ClientSampleId :

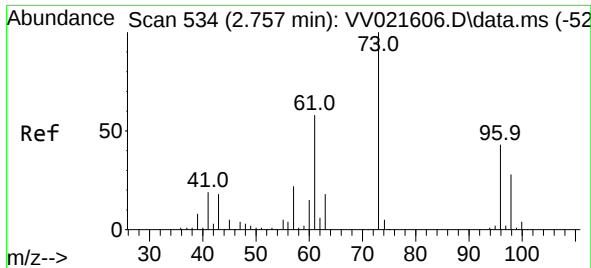
Tgt Ion: 43 Resp: 182104  
Ion Ratio Lower Upper  
43 100  
74 23.3 19.0 28.6



#16  
Methylene chloride  
Concen: 44.728 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion: 84 Resp: 171701  
Ion Ratio Lower Upper  
84 100  
86 64.9 45.1 83.9  
49 116.4 82.5 153.3



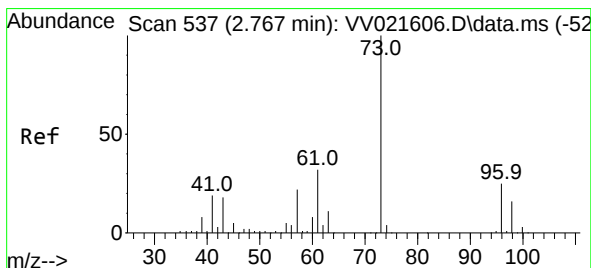
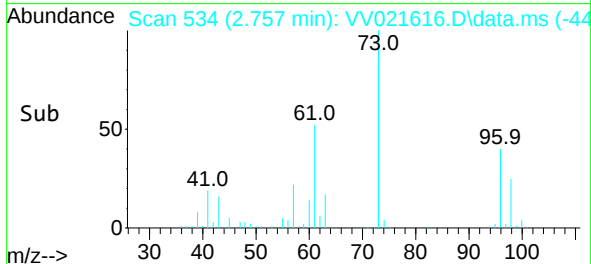
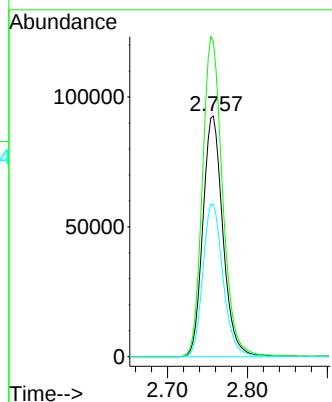
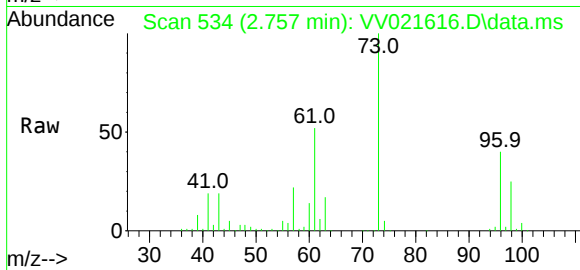


#17  
 trans-1,2-Dichloroethene  
 Concen: 46.829 ug/L  
 RT: 2.757 min Scan# 534  
 Delta R.T. -0.000 min  
 Lab File: VV021616.D  
 Acq: 12 Jul 2021 09:31

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tgt Ion: 96 Resp: 161554  

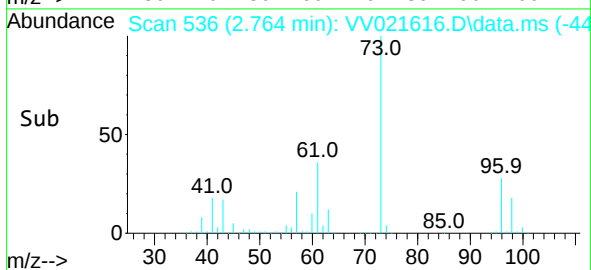
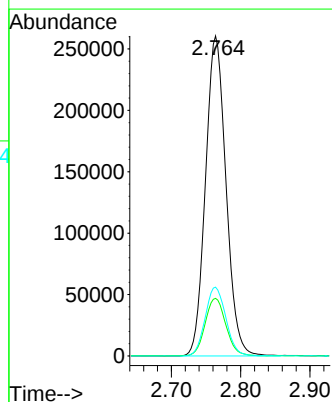
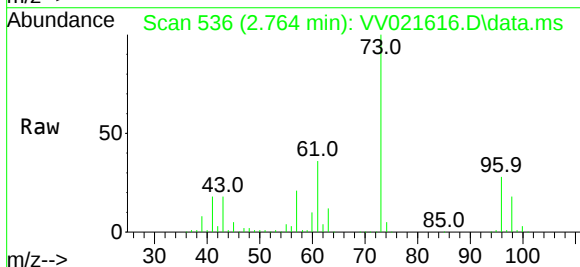
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 131.2 | 93.0  | 172.6 |
| 98  | 63.4  | 44.2  | 82.0  |

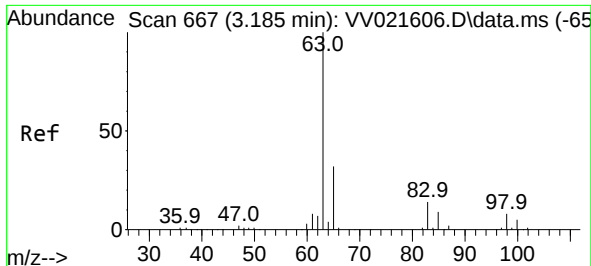


#18  
 Methyl tert-butyl Ether  
 Concen: 47.895 ug/L  
 RT: 2.764 min Scan# 536  
 Delta R.T. -0.003 min  
 Lab File: VV021616.D  
 Acq: 12 Jul 2021 09:31

Tgt Ion: 73 Resp: 535146  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 18.1  | 14.6  | 22.0  |
| 57  | 21.8  | 17.4  | 26.2  |

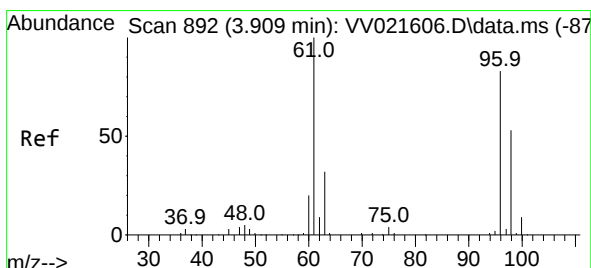
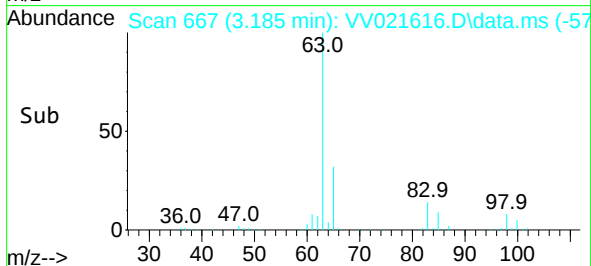
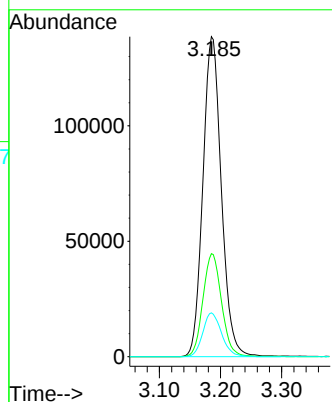
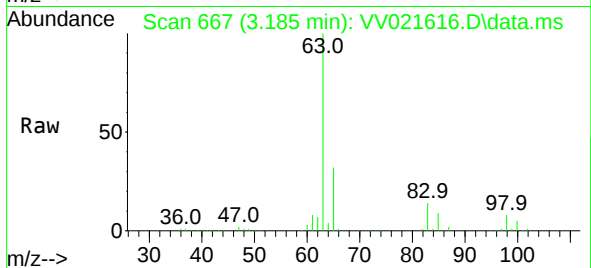




#19  
1,1-Dichloroethane  
Concen: 46.328 ug/L  
RT: 3.185 min Scan# 667  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

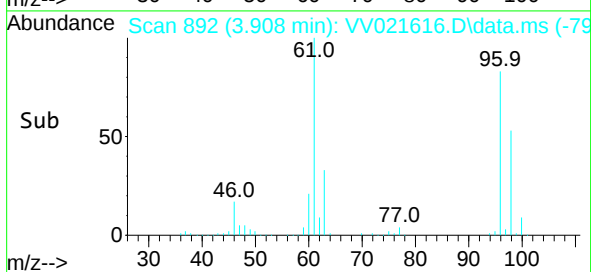
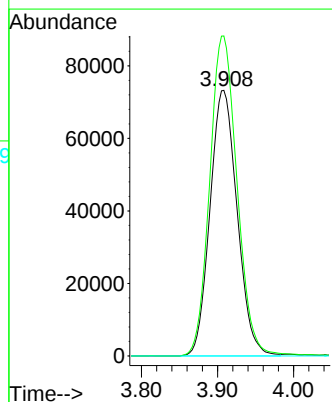
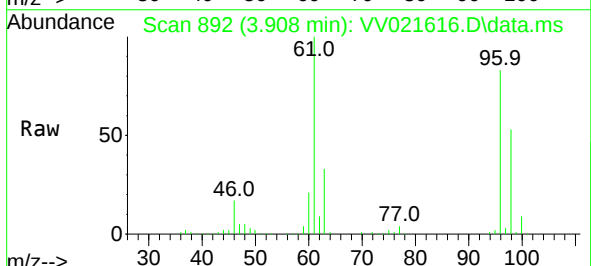
Instrument :  
MSVOA\_V  
ClientSampleId :

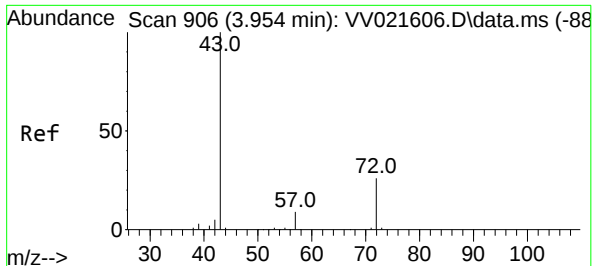
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 63    | Resp: | 291129 |
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 65       | 32.2  | 22.4  | 41.6   |
| 83       | 13.7  | 9.4   | 17.6   |



#20  
cis-1,2-Dichloroethene  
Concen: 47.379 ug/L  
RT: 3.908 min Scan# 892  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 181755 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 120.5 | 86.9  | 161.3  |
| 68       | 0.0   | 0.0   | 0.0    |

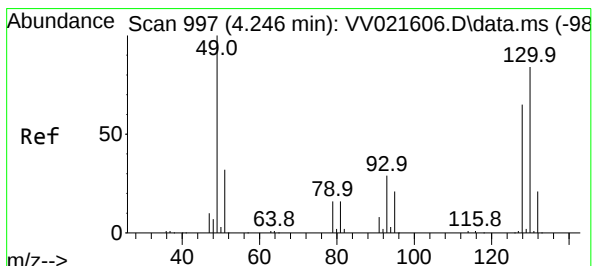
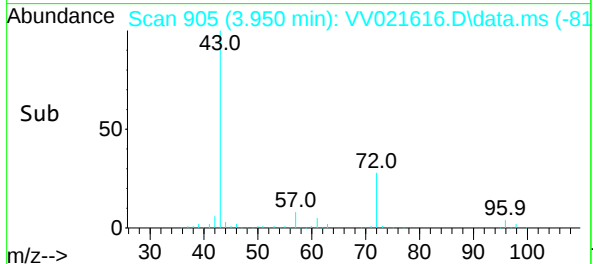
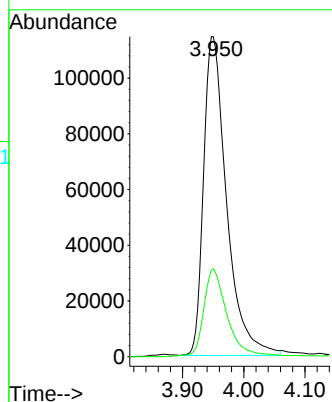
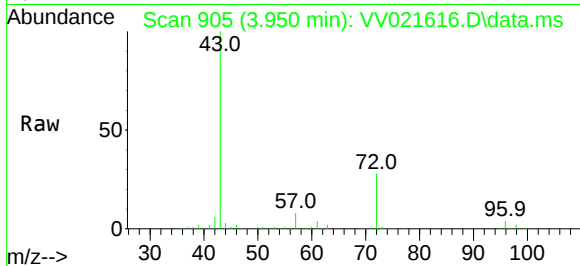




#22  
2-Butanone  
Concen: 98.012 ug/L  
RT: 3.950 min Scan# 905  
Delta R.T. -0.003 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

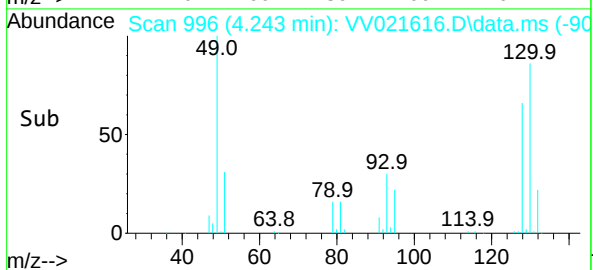
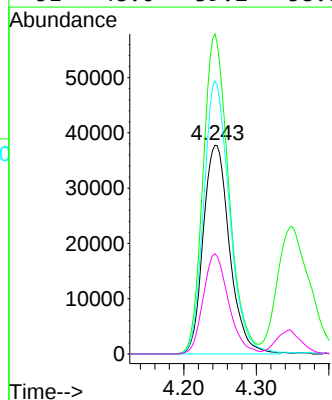
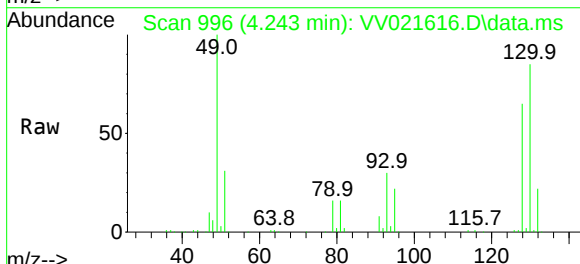
Instrument :  
MSVOA\_V  
ClientSampled :

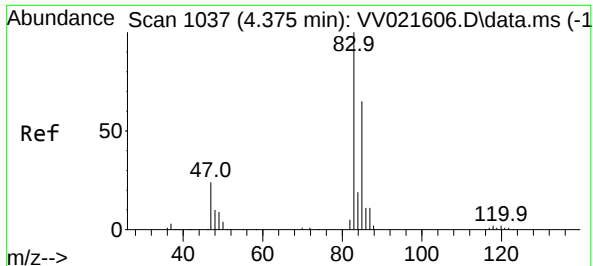
Tgt Ion: 43 Resp: 299407  
Ion Ratio Lower Upper  
43 100  
72 28.0 13.3 39.8



#23  
Bromochloromethane  
Concen: 46.923 ug/L  
RT: 4.243 min Scan# 996  
Delta R.T. -0.003 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion: 128 Resp: 95012  
Ion Ratio Lower Upper  
128 100  
49 153.3 107.5 199.7  
130 130.7 92.2 171.2  
51 48.0 39.2 58.8





#25

Chloroform

Concen: 47.638 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VV021616.D

Acq: 12 Jul 2021 09:31

Tgt Ion: 83 Resp: 305205

Ion Ratio Lower Upper

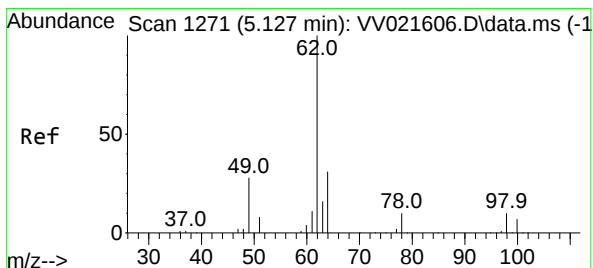
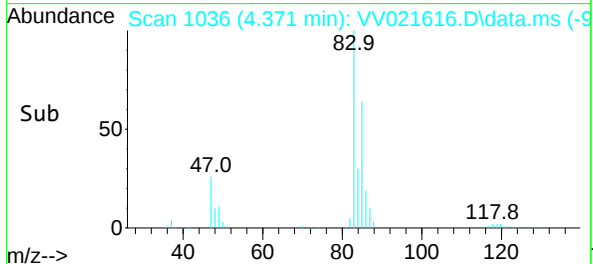
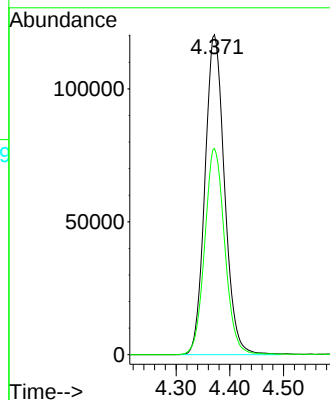
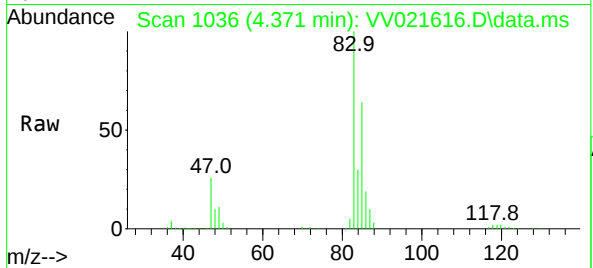
83 100

85 64.5 45.1 83.7

Instrument :

MSVOA\_V

ClientSampled :



#27

1,2-Dichloroethane

Concen: 47.281 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.000 min

Lab File: VV021616.D

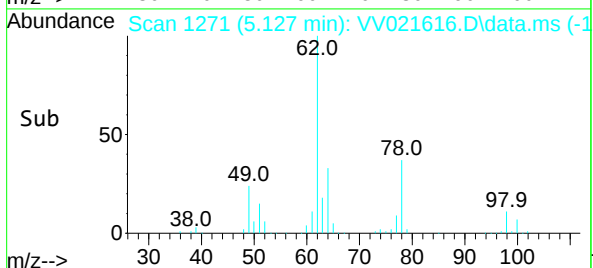
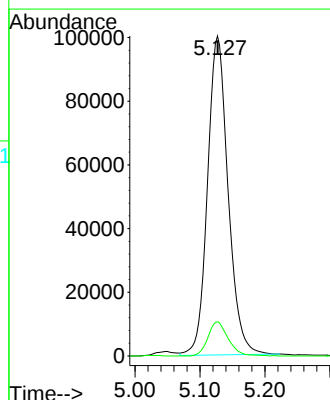
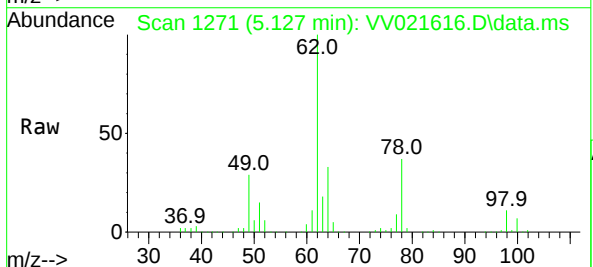
Acq: 12 Jul 2021 09:31

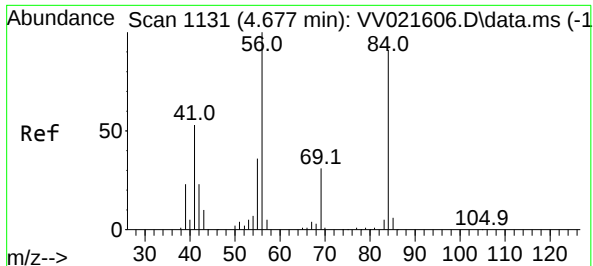
Tgt Ion: 62 Resp: 220323

Ion Ratio Lower Upper

62 100

98 10.7 8.2 12.4





#29

Cyclohexane

Concen: 46.040 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. -0.003 min

Lab File: VV021616.D

Acq: 12 Jul 2021 09:31

Tgt Ion: 56 Resp: 269693

Ion Ratio Lower Upper

56 100

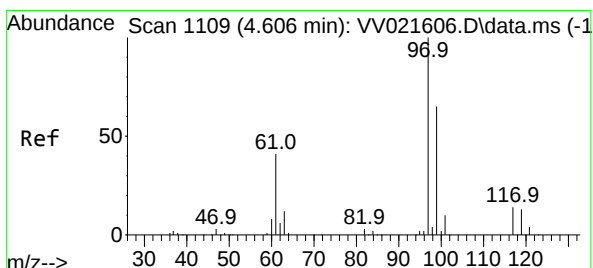
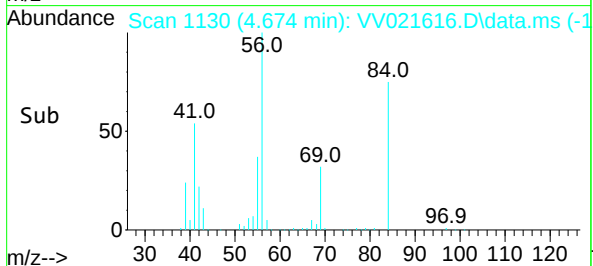
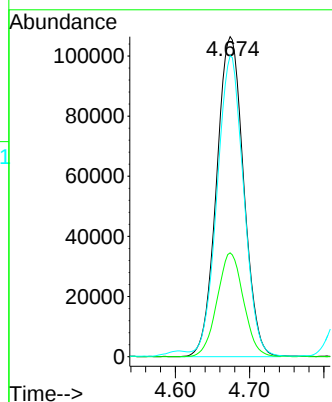
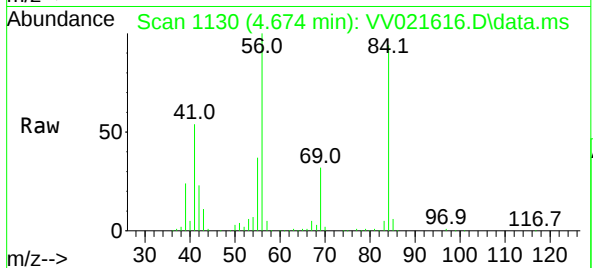
69 31.6 24.9 37.3

84 92.1 71.6 107.4

Instrument :

MSVOA\_V

ClientSampled :



#30

1,1,1-Trichloroethane

Concen: 47.067 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VV021616.D

Acq: 12 Jul 2021 09:31

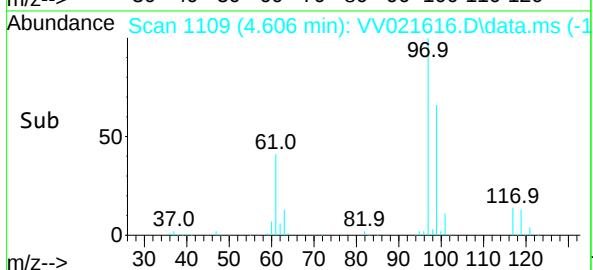
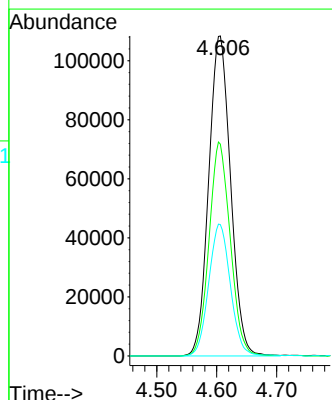
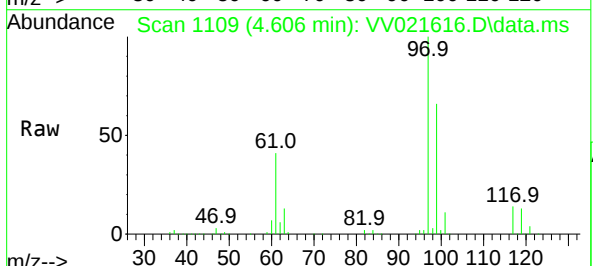
Tgt Ion: 97 Resp: 274505

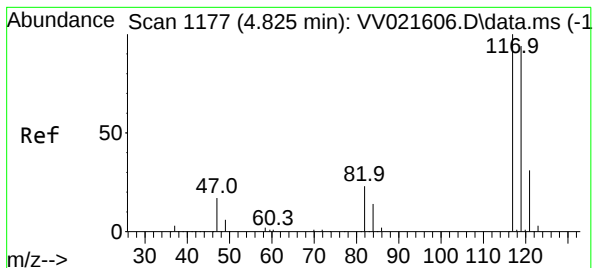
Ion Ratio Lower Upper

97 100

99 64.9 52.1 78.1

61 40.7 32.6 49.0





#31

Carbon tetrachloride

Concen: 47.925 ug/L

RT: 4.825 min Scan# 1177

Delta R.T. -0.000 min

Lab File: VV021616.D

Acq: 12 Jul 2021 09:31

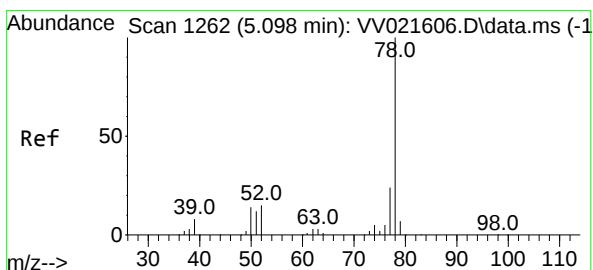
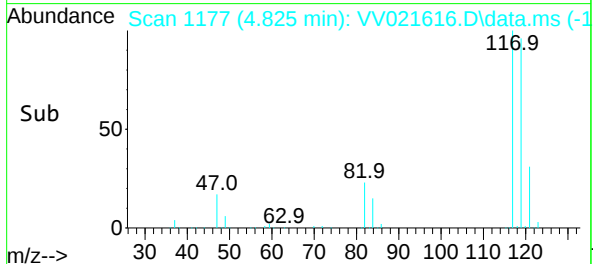
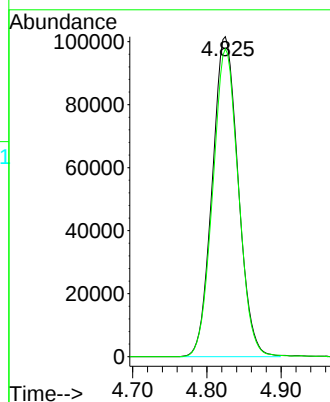
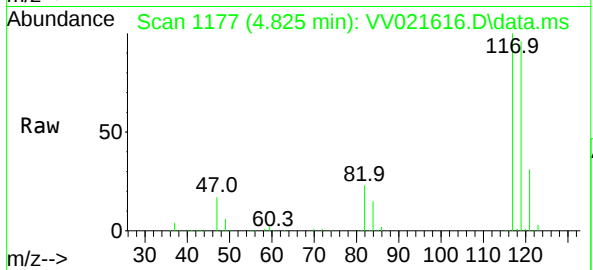
Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion:117 Resp: 246161

Ion Ratio Lower Upper

117 100

119 95.4 76.5 114.7



#33

Benzene

Concen: 46.996 ug/L

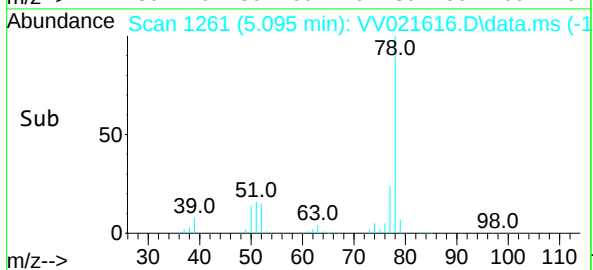
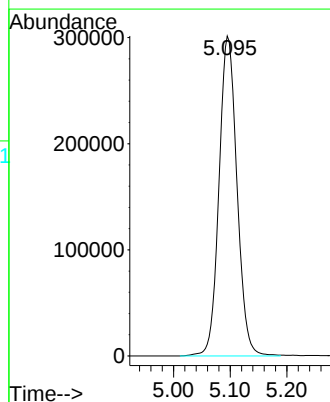
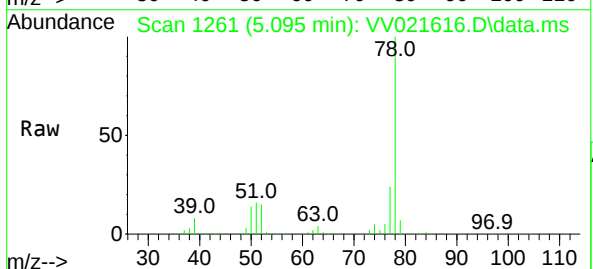
RT: 5.095 min Scan# 1261

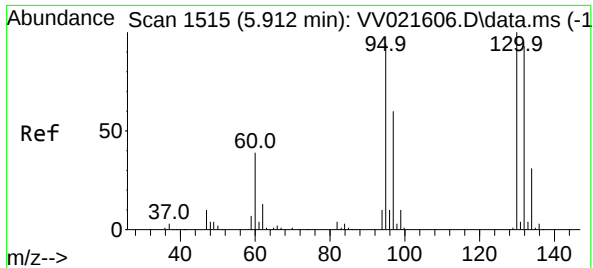
Delta R.T. -0.003 min

Lab File: VV021616.D

Acq: 12 Jul 2021 09:31

Tgt Ion: 78 Resp: 663486



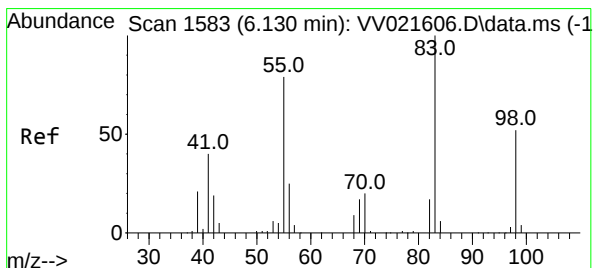
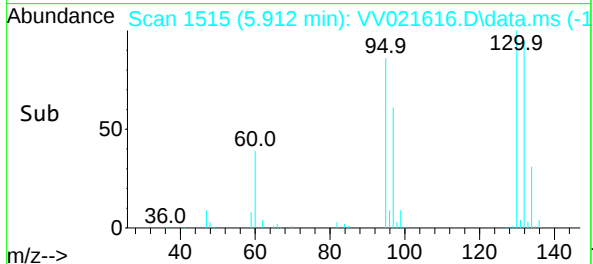
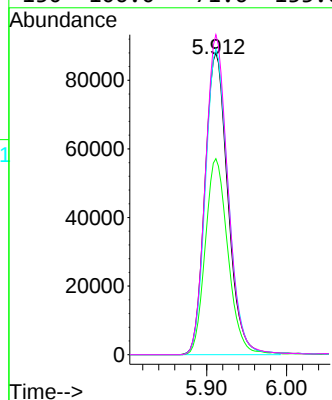
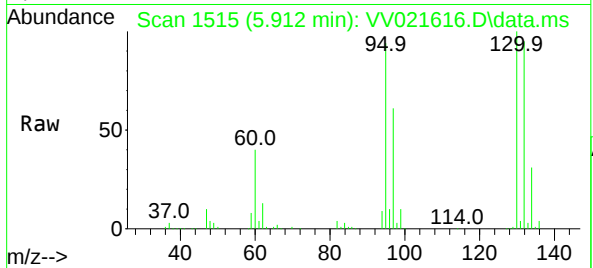


#34  
Trichloroethene  
Concen: 45.788 ug/L  
RT: 5.912 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 174740

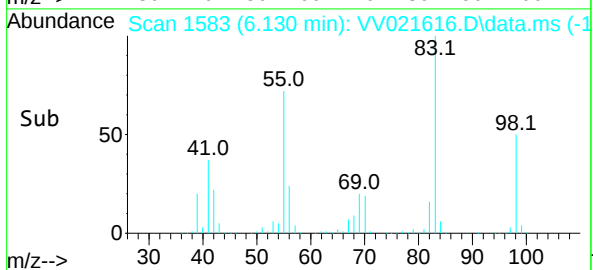
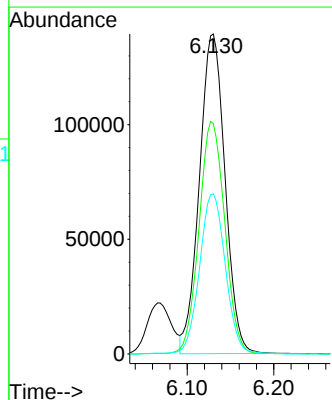
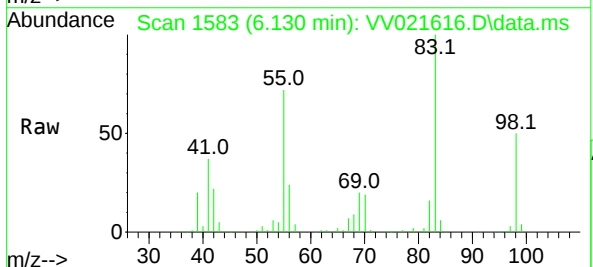
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.0  | 44.6  | 82.8  |
| 132 | 101.1 | 69.0  | 128.1 |
| 130 | 106.0 | 71.6  | 133.0 |

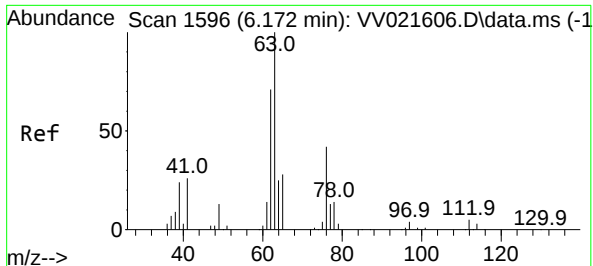


#35  
Methylcyclohexane  
Concen: 47.293 ug/L  
RT: 6.130 min Scan# 1583  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion: 83 Resp: 286534

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 73.2  | 58.7  | 88.1  |
| 98  | 50.6  | 39.7  | 59.5  |

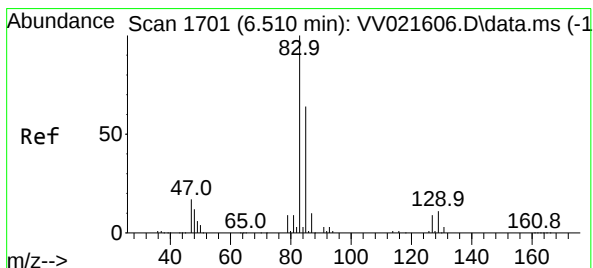
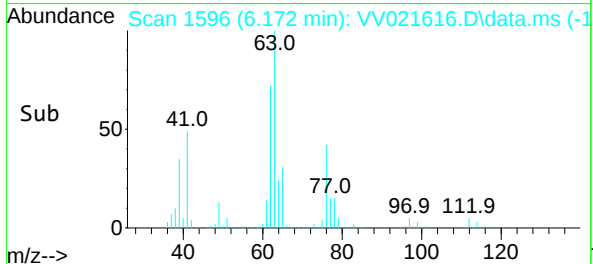
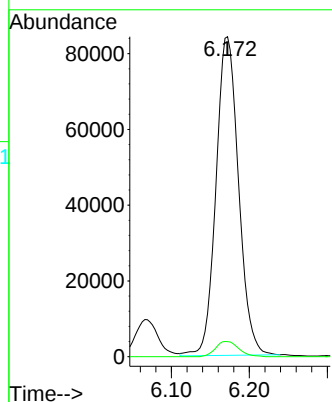
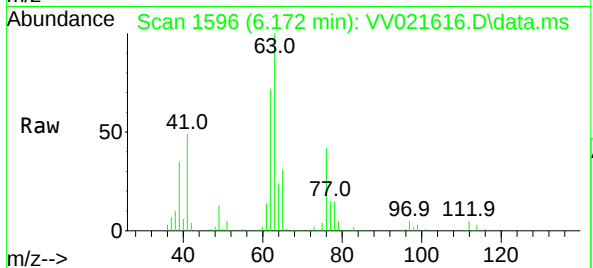




#37  
1,2-Dichloropropane  
Concen: 46.148 ug/L  
RT: 6.172 min Scan# 1596  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

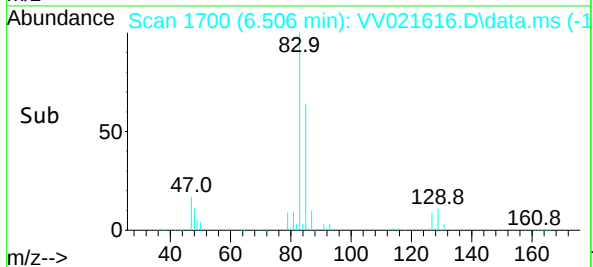
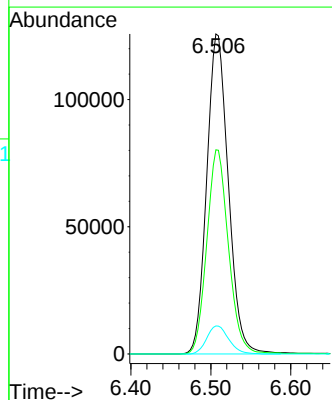
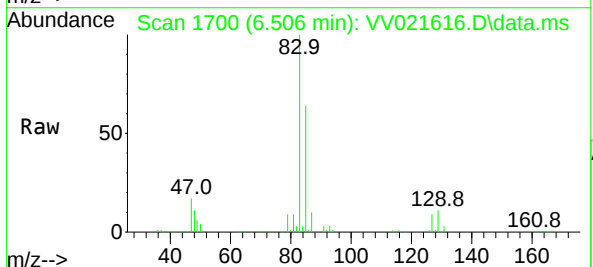
Instrument :  
MSVOA\_V  
ClientSampled :

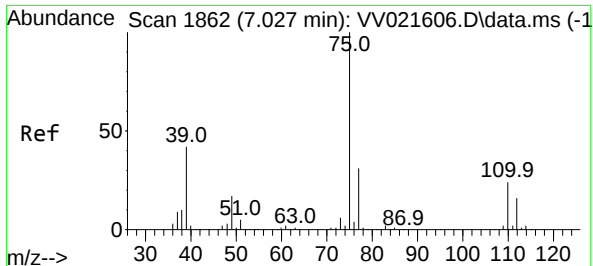
Tgt Ion: 63 Resp: 169348  
Ion Ratio Lower Upper  
63 100  
112 4.9 3.8 5.6



#38  
Bromodichloromethane  
Concen: 47.619 ug/L  
RT: 6.506 min Scan# 1700  
Delta R.T. -0.003 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion: 83 Resp: 236153  
Ion Ratio Lower Upper  
83 100  
85 63.8 46.3 86.1  
127 8.7 7.3 10.9

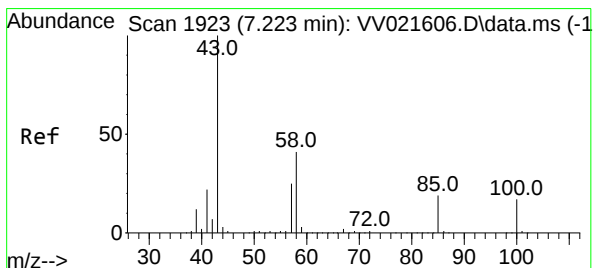
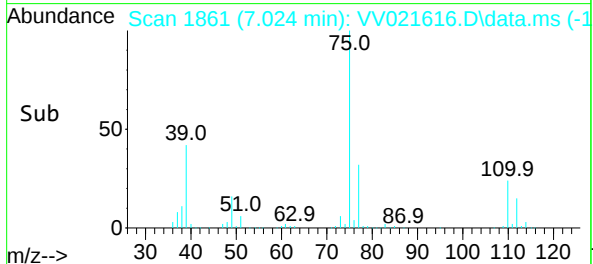
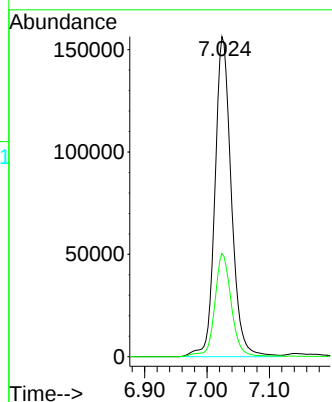
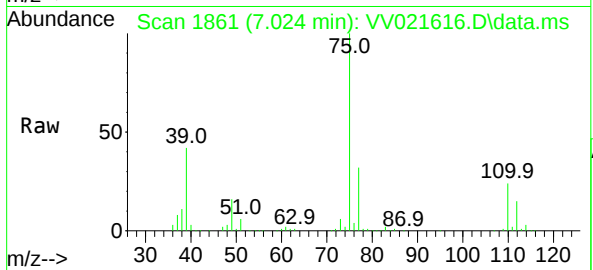




#39  
 cis-1,3-Dichloropropene  
 Concen: 47.251 ug/L  
 RT: 7.024 min Scan# 1861  
 Delta R.T. -0.003 min  
 Lab File: VV021616.D  
 Acq: 12 Jul 2021 09:31

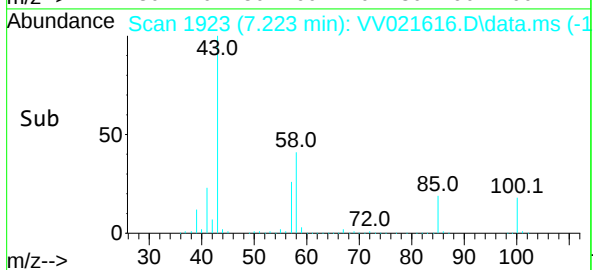
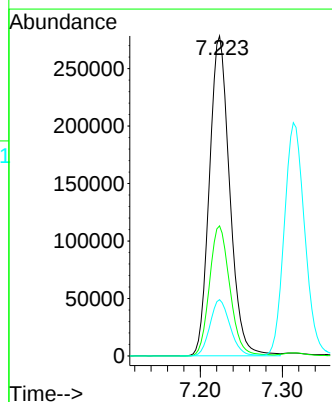
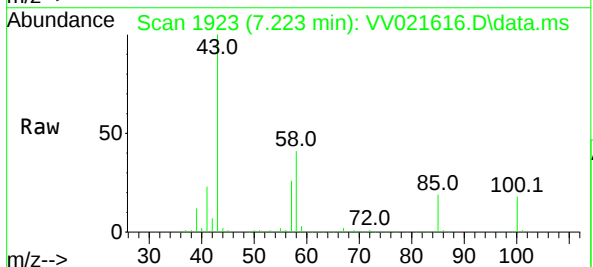
Instrument :  
 MSVOA\_V  
 ClientSampled :

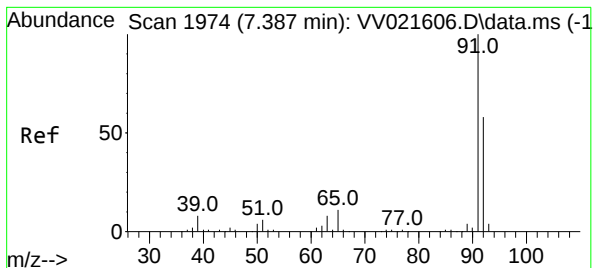
Tgt Ion: 75 Resp: 285936  
 Ion Ratio Lower Upper  
 75 100  
 77 32.3 22.5 41.7



#40  
 4-Methyl-2-pentanone  
 Concen: 88.807 ug/L  
 RT: 7.223 min Scan# 1923  
 Delta R.T. -0.000 min  
 Lab File: VV021616.D  
 Acq: 12 Jul 2021 09:31

Tgt Ion: 43 Resp: 478387  
 Ion Ratio Lower Upper  
 43 100  
 58 40.9 32.8 49.2  
 100 17.4 13.5 20.3





#42

Toluene

Concen: 47.257 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. -0.000 min

Lab File: VV021616.D

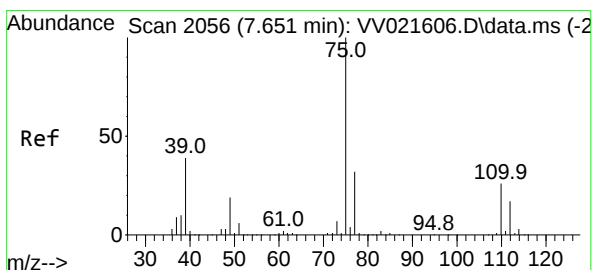
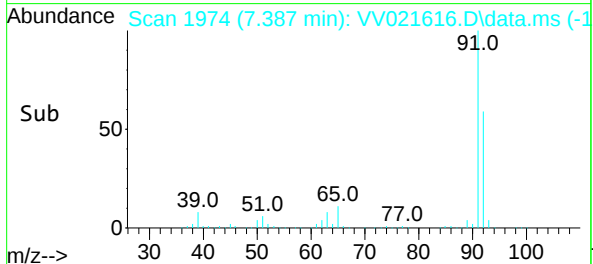
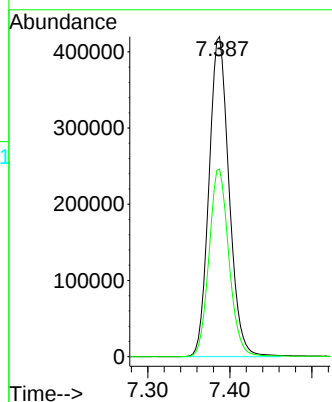
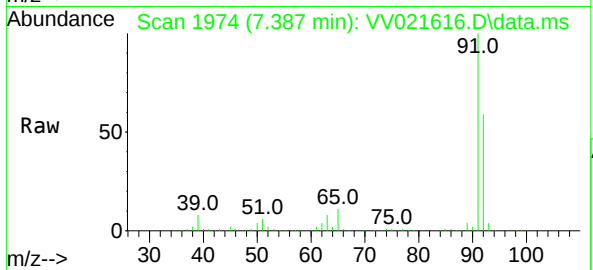
Acq: 12 Jul 2021 09:31

Tgt Ion: 91 Resp: 714620

Ion Ratio Lower Upper

91 100

92 58.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 48.042 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.003 min

Lab File: VV021616.D

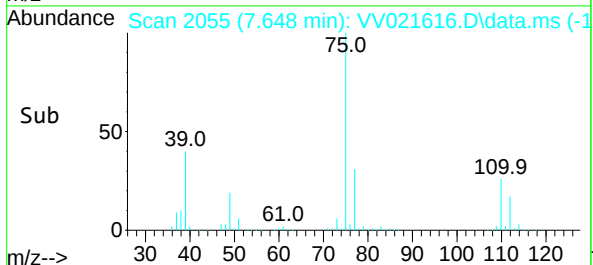
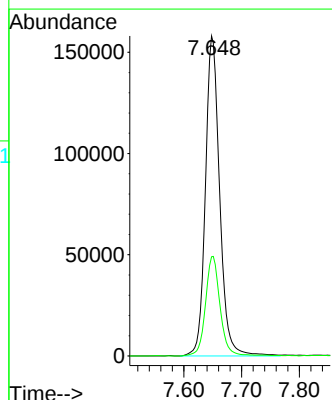
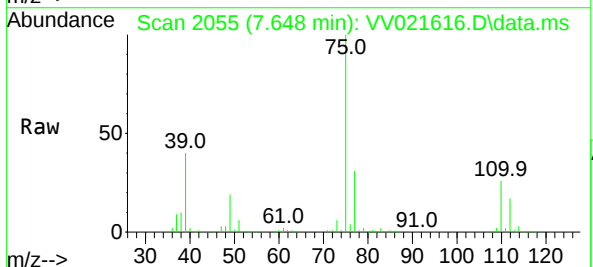
Acq: 12 Jul 2021 09:31

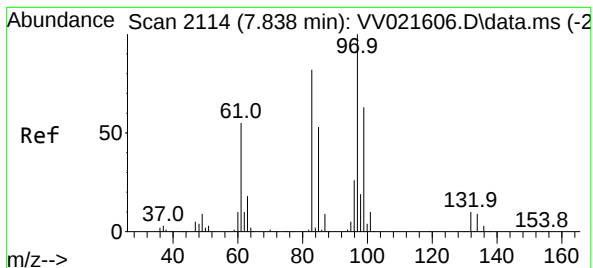
Tgt Ion: 75 Resp: 271494

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.4



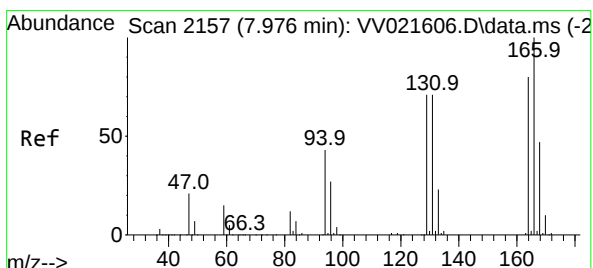
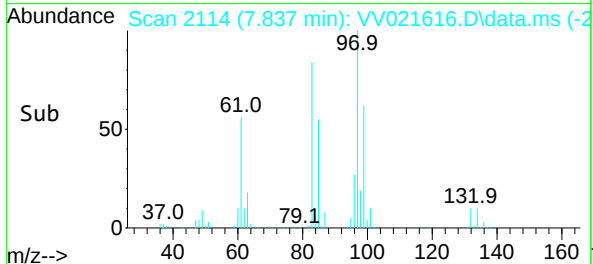
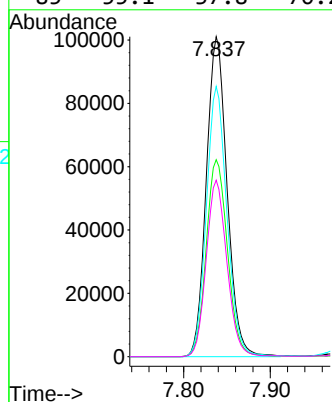
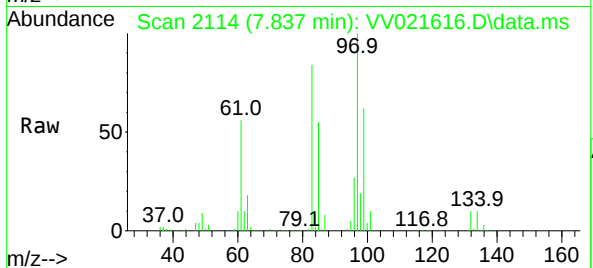


#45  
1,1,2-Trichloroethane  
Concen: 46.793 ug/L  
RT: 7.837 min Scan# 2114  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Instrument :  
MSVOA\_V  
ClientSampled :

Tgt Ion: 97 Resp: 168692

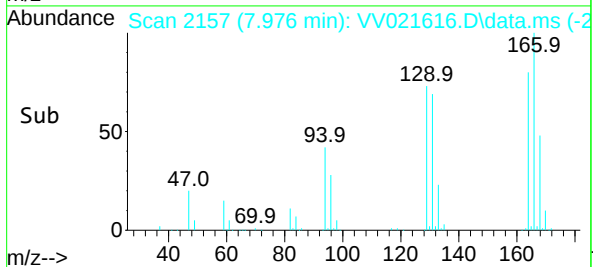
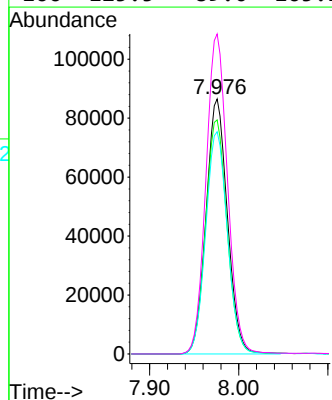
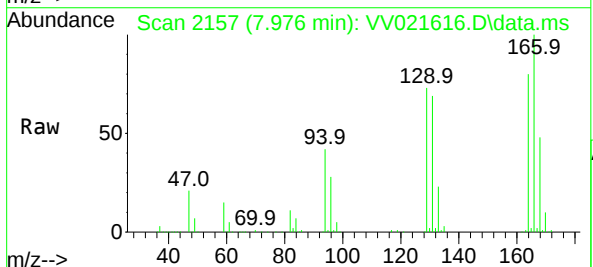
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.6  | 44.4  | 82.4  |
| 83  | 84.4  | 58.8  | 109.2 |
| 85  | 55.1  | 37.8  | 70.2  |

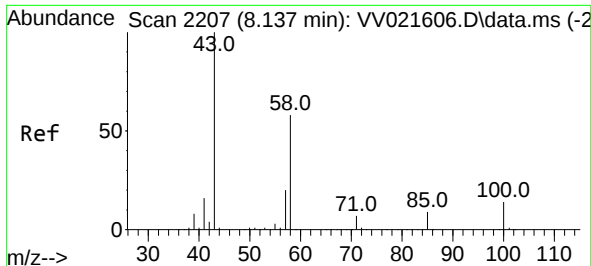


#46  
Tetrachloroethene  
Concen: 47.483 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion: 164 Resp: 144121

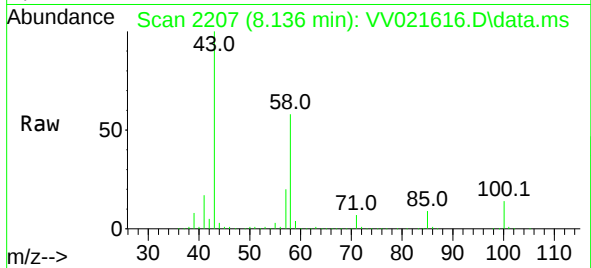
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.7  | 65.9  | 122.3 |
| 131 | 87.2  | 64.0  | 119.0 |
| 166 | 125.5 | 89.0  | 165.2 |



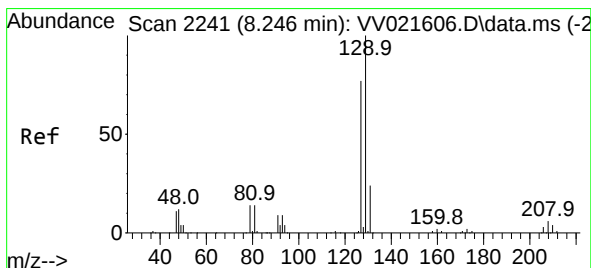
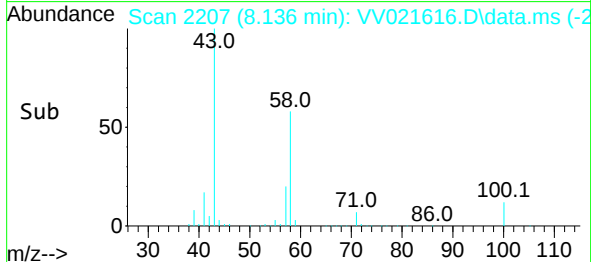
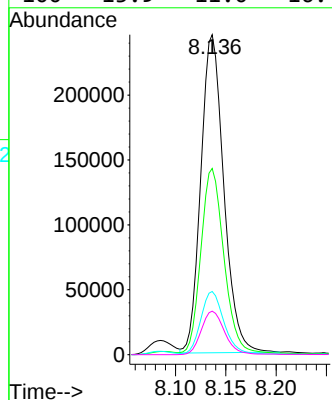


#48  
2-Hexanone  
Concen: 91.425 ug/L  
RT: 8.136 min Scan# 2207  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Instrument :  
MSVOA\_V  
ClientSampled :

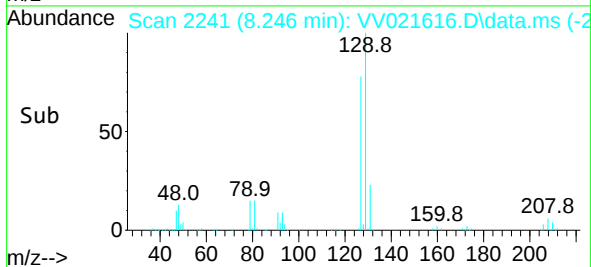
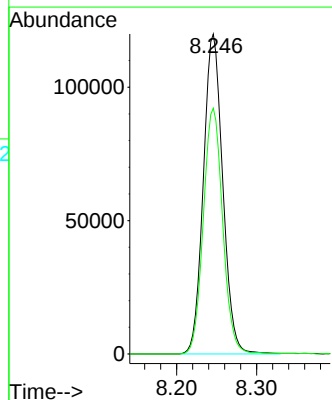
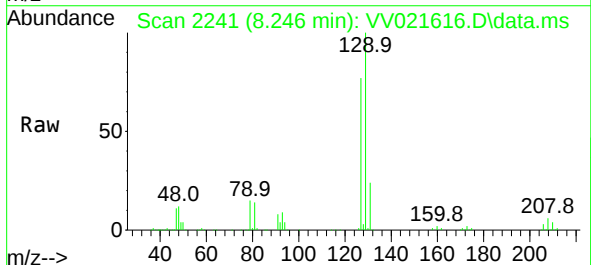


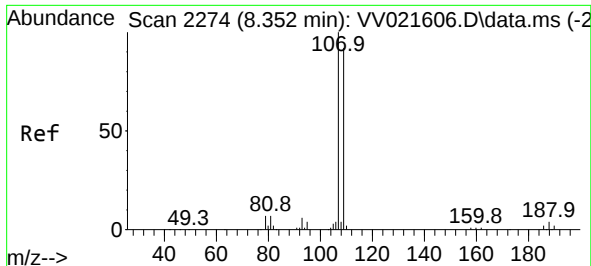
| Tgt Ion: | 43    | Resp: | 389277 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 58.7  | 46.7  | 70.1   |
| 57       | 19.7  | 15.5  | 23.3   |
| 100      | 13.9  | 11.0  | 16.4   |



#49  
Dibromochloromethane  
Concen: 48.815 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

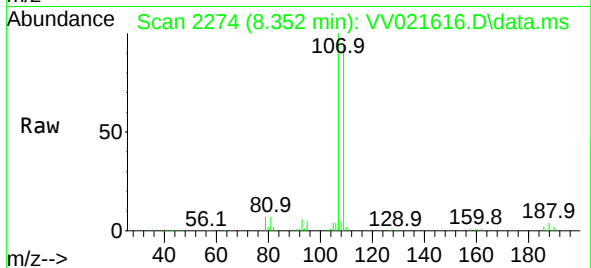
| Tgt Ion: | 129   | Resp: | 202668 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 76.8  | 53.1  | 98.7   |



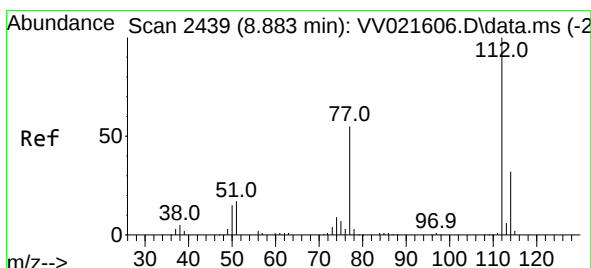
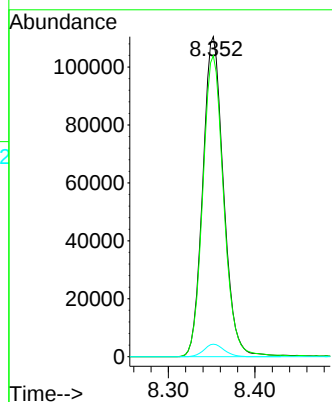
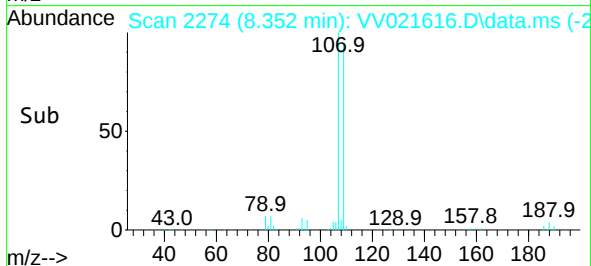


#50  
1,2-Dibromoethane  
Concen: 46.419 ug/L  
RT: 8.352 min Scan# 2274  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

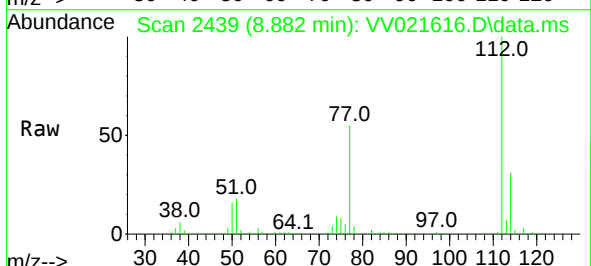
Instrument :  
MSVOA\_V  
ClientSampled :



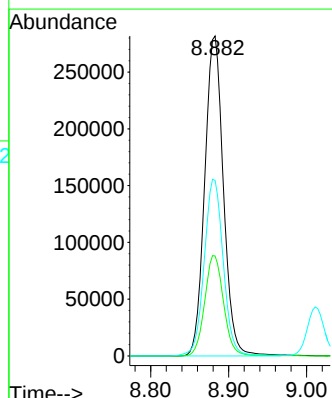
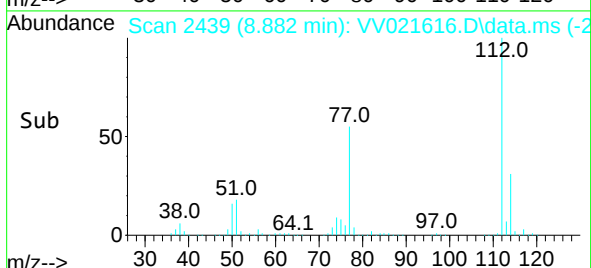
Tgt Ion:107 Resp: 183481  
Ion Ratio Lower Upper  
107 100  
109 94.1 65.8 122.2  
188 3.9 3.1 4.7

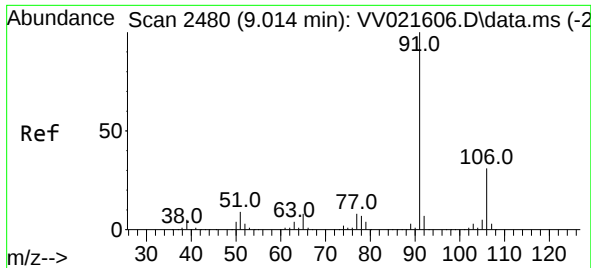


#51  
Chlorobenzene  
Concen: 47.845 ug/L  
RT: 8.882 min Scan# 2439  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31



Tgt Ion:112 Resp: 470831  
Ion Ratio Lower Upper  
112 100  
114 31.2 21.9 40.7  
77 54.9 44.0 66.0

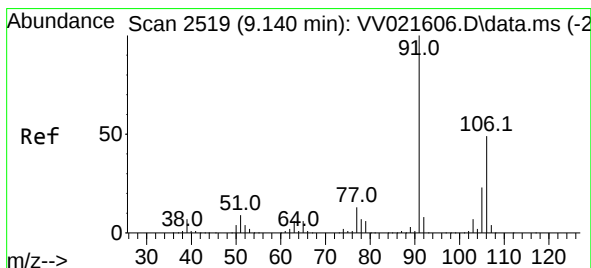
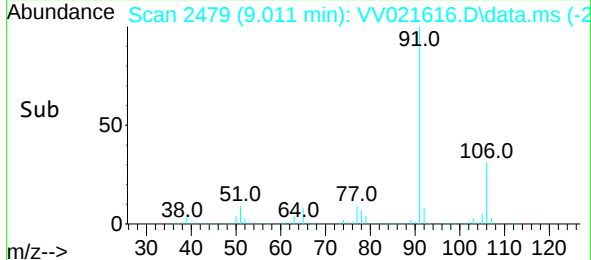
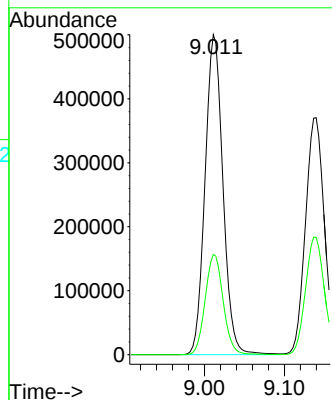
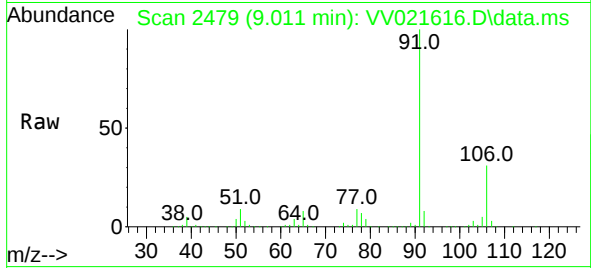




#52  
Ethylbenzene  
Concen: 47.485 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. -0.003 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

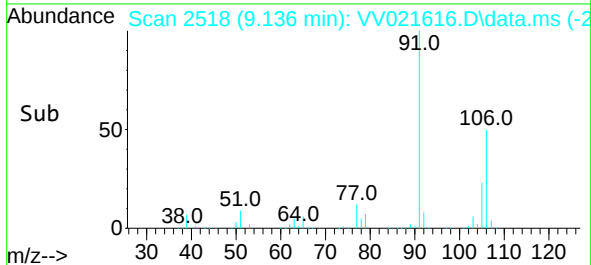
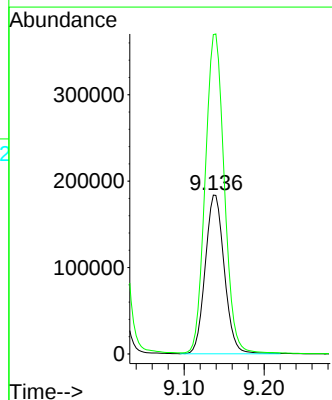
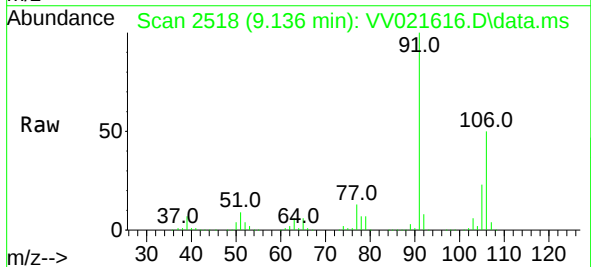
Instrument :  
MSVOA\_V  
ClientSampled :

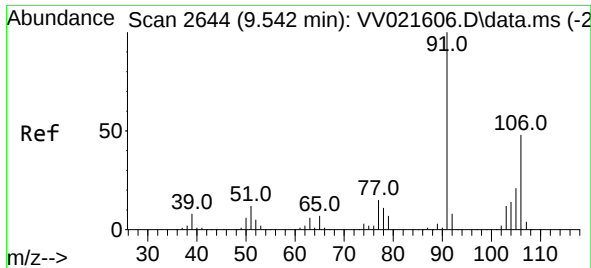
Tgt Ion: 91 Resp: 780109  
Ion Ratio Lower Upper  
91 100  
106 31.3 21.8 40.6



#53  
m,p-Xylene  
Concen: 48.205 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.003 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion: 106 Resp: 303918  
Ion Ratio Lower Upper  
106 100  
91 201.0 138.7 257.5

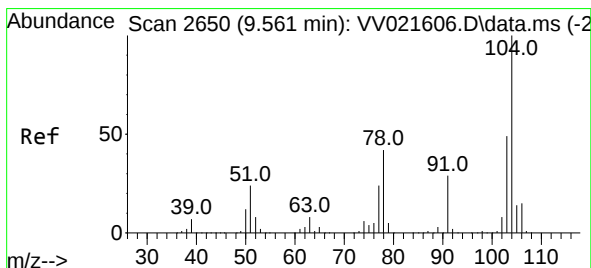
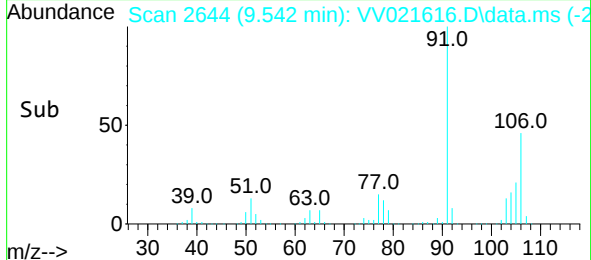
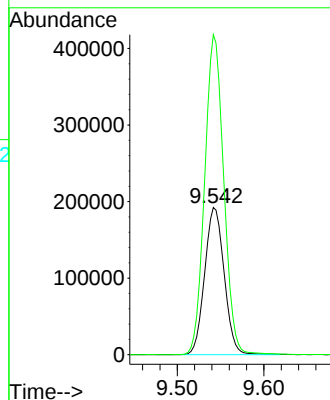
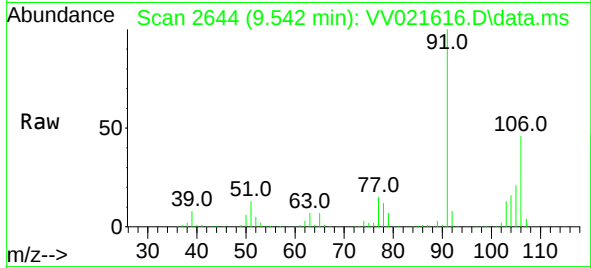




#54  
o-Xylene  
Concen: 47.915 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

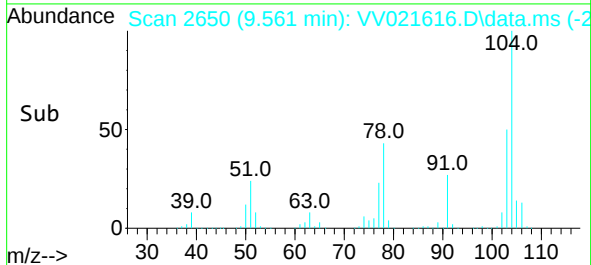
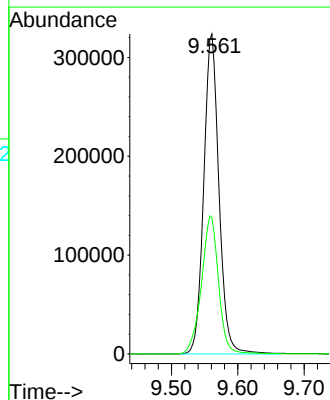
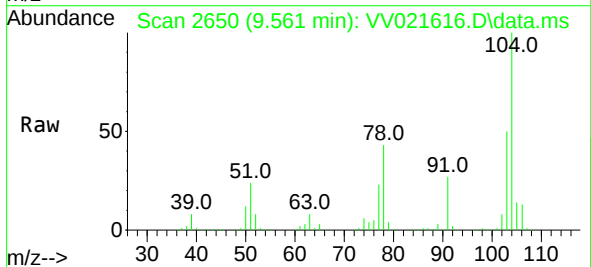
Instrument :  
MSVOA\_V  
ClientSampleId :

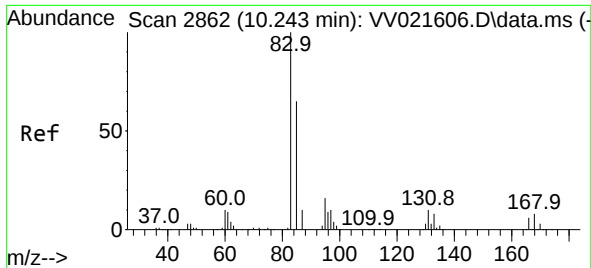
Tgt Ion:106 Resp: 301376  
Ion Ratio Lower Upper  
106 100  
91 217.4 149.0 276.8



#55  
Styrene  
Concen: 48.675 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion:104 Resp: 517341  
Ion Ratio Lower Upper  
104 100  
78 42.6 30.6 56.8

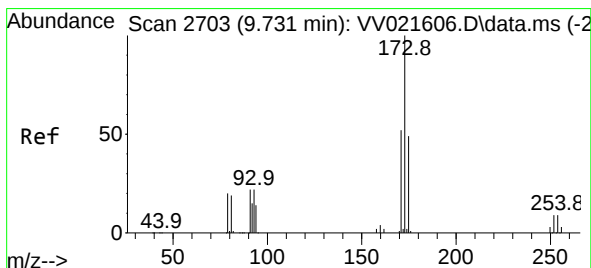
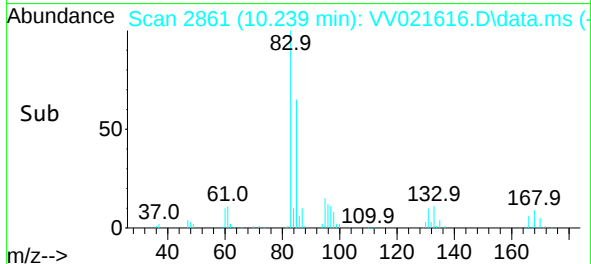
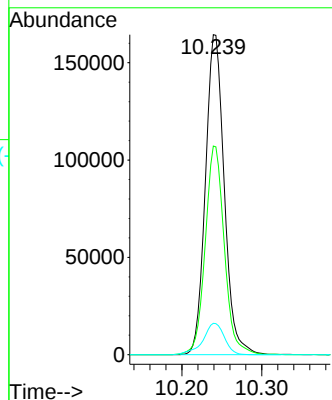
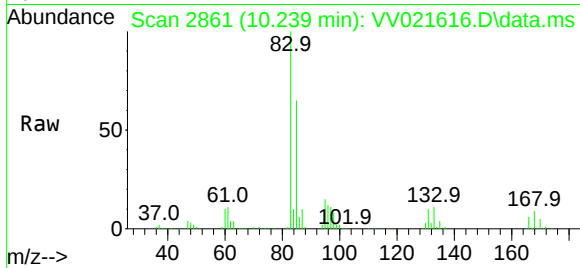




#57  
1,1,2,2-Tetrachloroethane  
Concen: 47.983 ug/L  
RT: 10.239 min Scan# 2861  
Delta R.T. -0.003 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

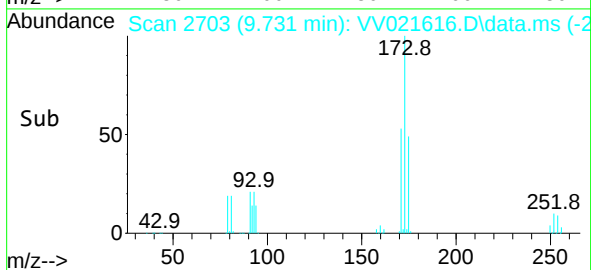
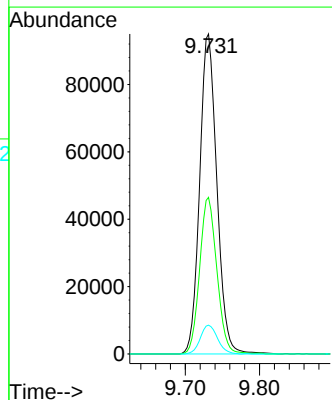
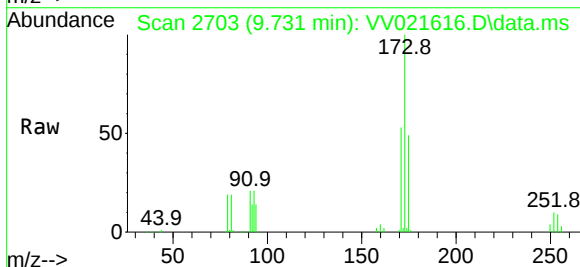
Instrument :  
MSVOA\_V  
ClientSampleId :

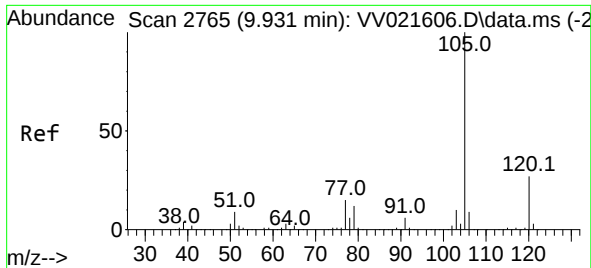
Tgt Ion: 83 Resp: 269647  
Ion Ratio Lower Upper  
83 100  
85 65.2 45.0 83.6  
131 9.8 8.4 12.6



#59  
Bromoform  
Concen: 47.808 ug/L  
RT: 9.731 min Scan# 2703  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion: 173 Resp: 152680  
Ion Ratio Lower Upper  
173 100  
175 48.9 39.0 58.6  
254 9.0 7.0 10.6

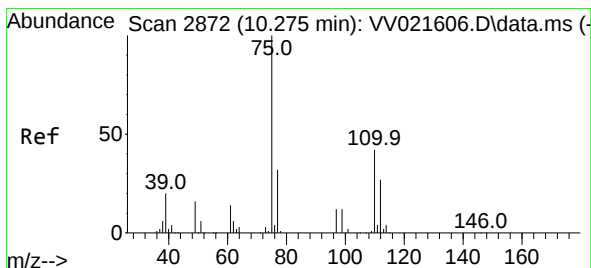
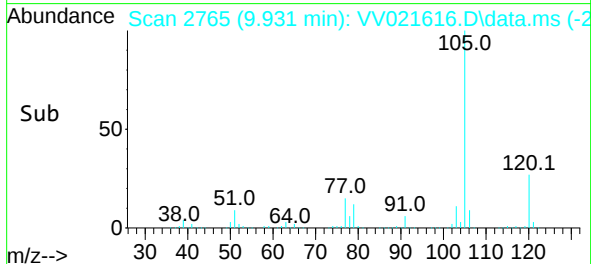
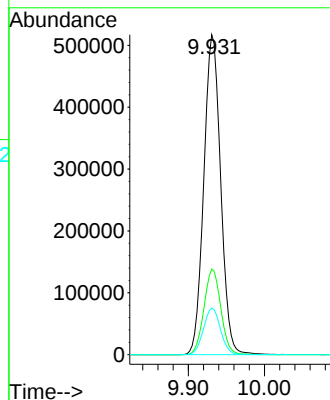
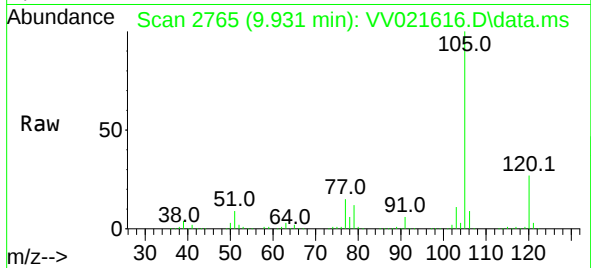




#60  
Isopropylbenzene  
Concen: 47.069 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

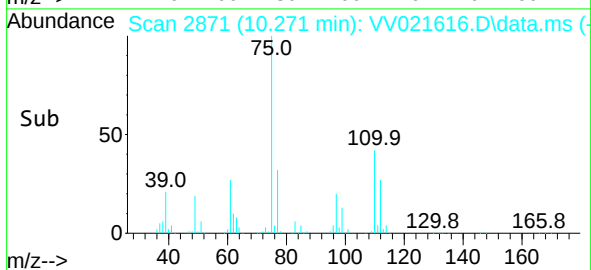
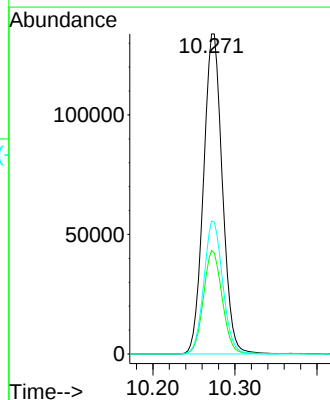
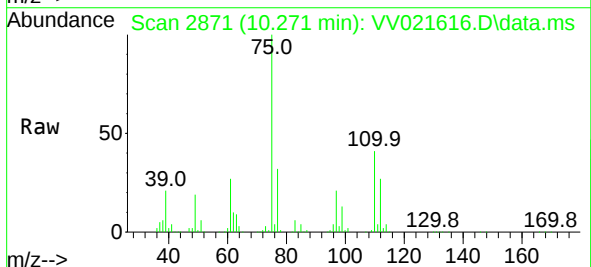
Instrument :  
MSVOA\_V  
ClientSampleId :

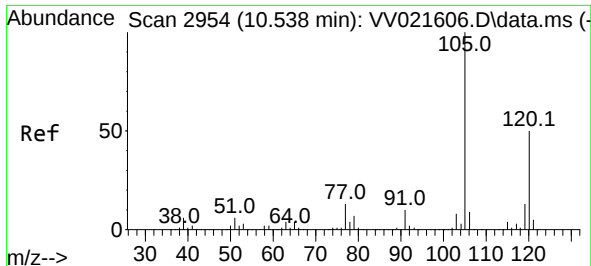
Tgt Ion:105 Resp: 797714  
Ion Ratio Lower Upper  
105 100  
120 26.7 21.5 32.3  
77 14.7 12.0 18.0



#61  
1,2,3-Trichloropropane  
Concen: 44.456 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. -0.003 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion: 75 Resp: 213533  
Ion Ratio Lower Upper  
75 100  
77 32.0 25.8 38.8  
110 41.6 33.0 49.6

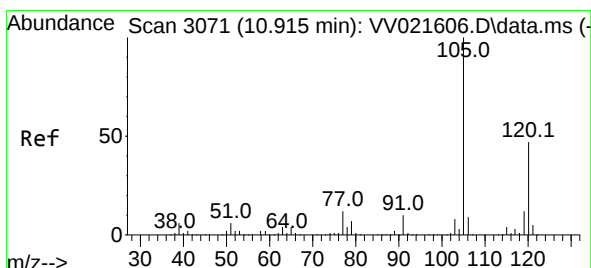
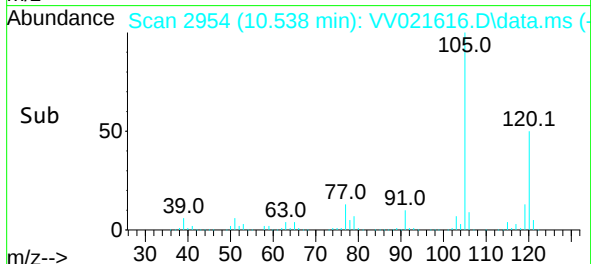
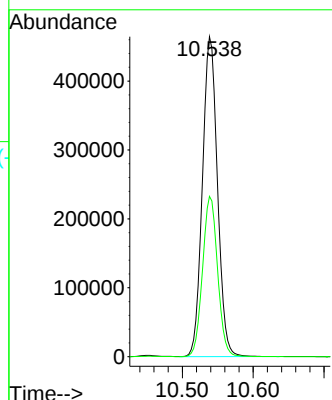
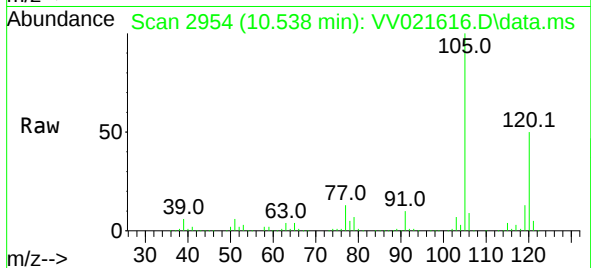




#62  
1,3,5-Trimethylbenzene  
Concen: 47.377 ug/L  
RT: 10.538 min Scan# 2954  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

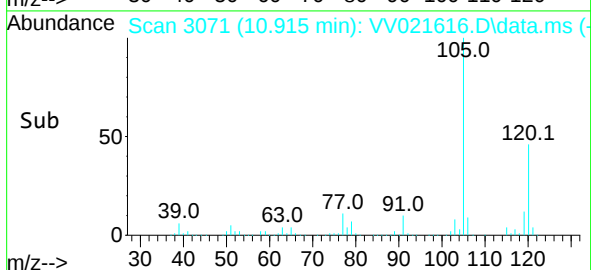
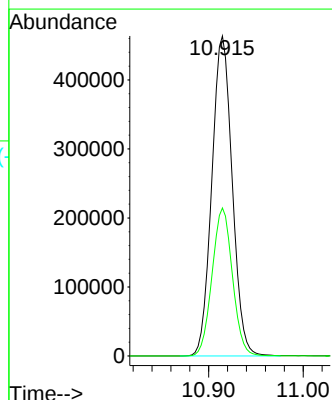
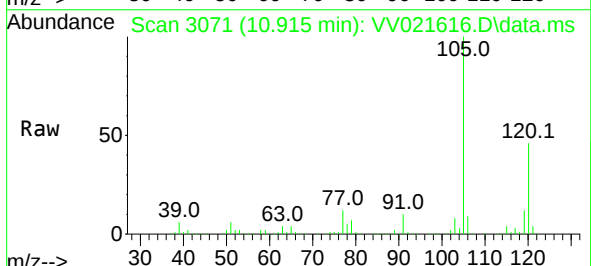
Instrument :  
MSVOA\_V  
ClientSampled :

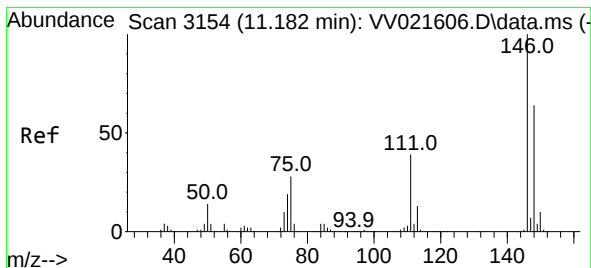
Tgt Ion:105 Resp: 684303  
Ion Ratio Lower Upper  
105 100  
120 50.1 40.0 60.0



#63  
1,2,4-Trimethylbenzene  
Concen: 47.514 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion:105 Resp: 694506  
Ion Ratio Lower Upper  
105 100  
120 46.2 37.1 55.7





#64

1,3-Dichlorobenzene

Concen: 47.541 ug/L

RT: 11.181 min Scan# 3154

Delta R.T. -0.000 min

Lab File: VV021616.D

Acq: 12 Jul 2021 09:31

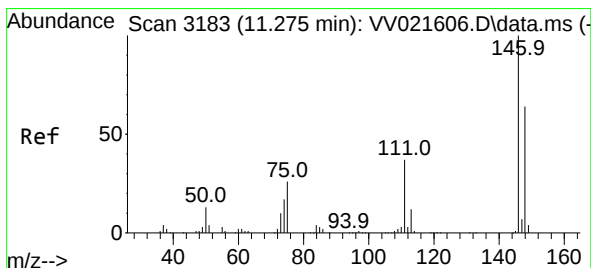
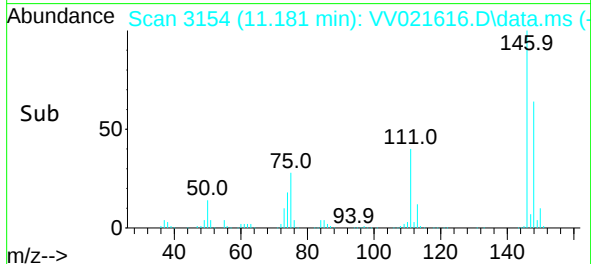
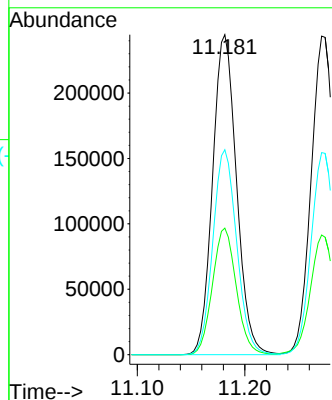
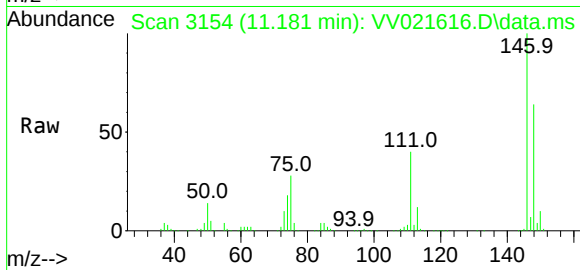
Tgt Ion:146 Resp: 378869

Ion Ratio Lower Upper

146 100

111 39.6 27.3 50.7

148 64.1 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 47.989 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. -0.003 min

Lab File: VV021616.D

Acq: 12 Jul 2021 09:31

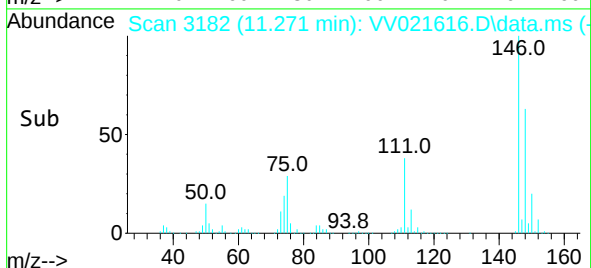
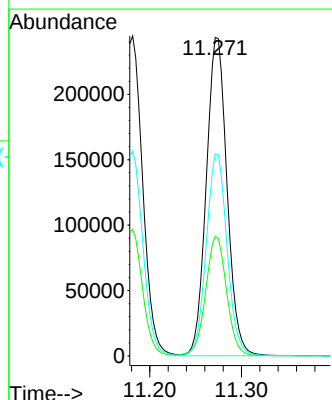
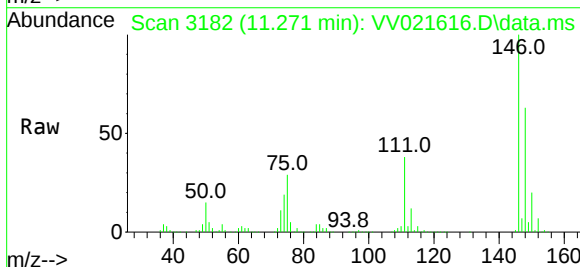
Tgt Ion:146 Resp: 382258

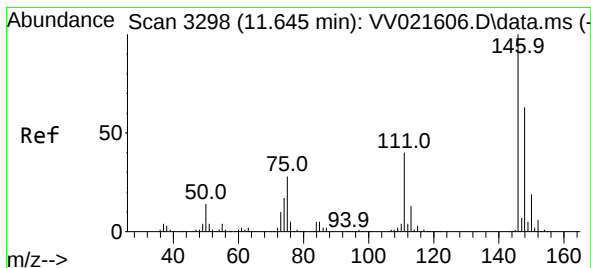
Ion Ratio Lower Upper

146 100

111 37.6 26.6 49.4

148 63.5 45.2 84.0

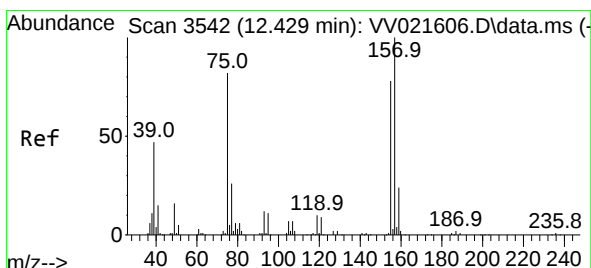
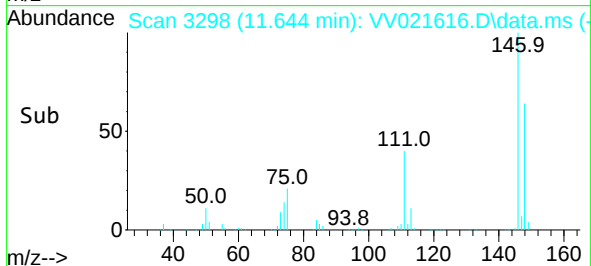
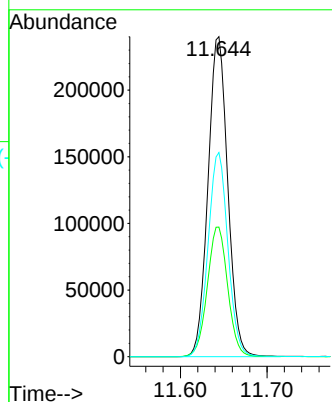
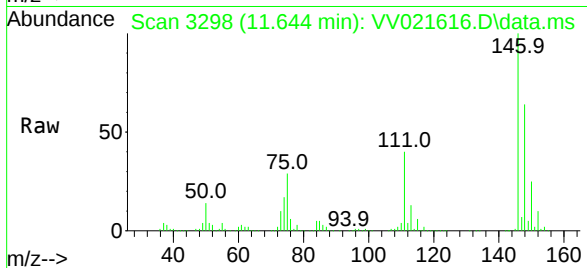




#67  
1,2-Dichlorobenzene  
Concen: 47.657 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

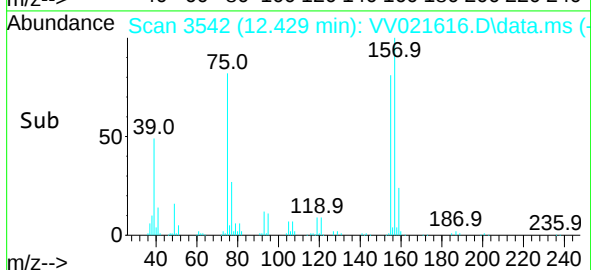
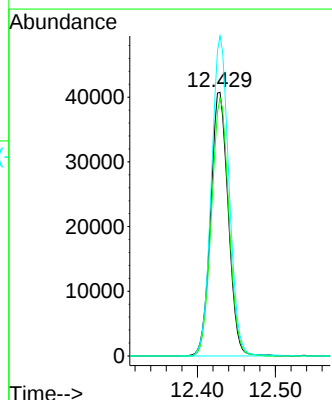
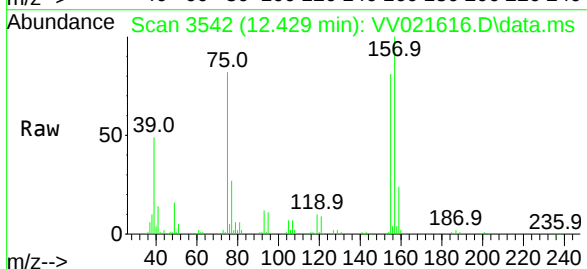
Instrument :  
MSVOA\_V  
ClientSampleId :

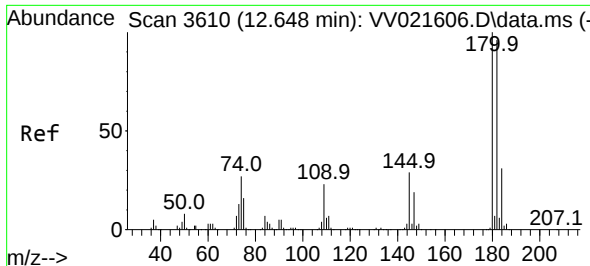
Tgt Ion:146 Resp: 380619  
Ion Ratio Lower Upper  
146 100  
111 40.5 32.6 48.8  
148 63.8 50.5 75.7



#68  
1,2-Dibromo-3-chloropropane  
Concen: 45.001 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion: 75 Resp: 64079  
Ion Ratio Lower Upper  
75 100  
155 97.9 75.9 113.9  
157 121.4 96.7 145.1

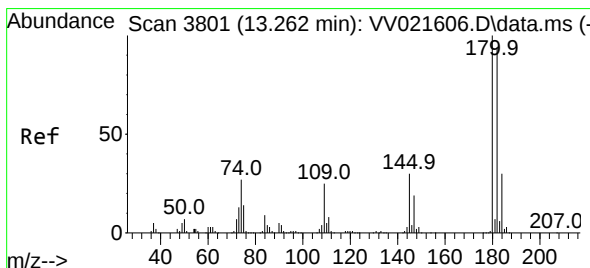
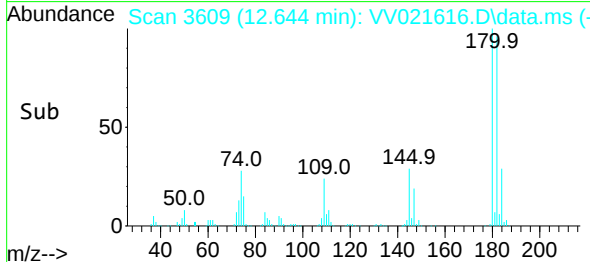
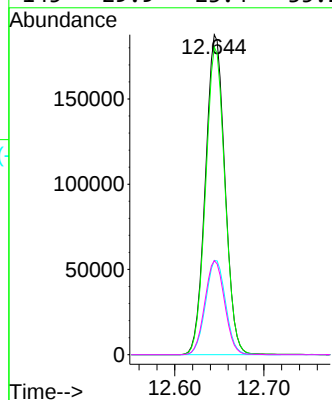
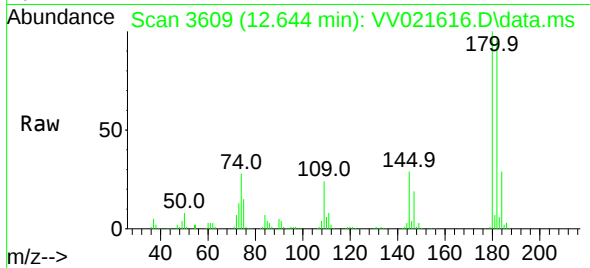




#69  
1,3,5-Trichlorobenzene  
Concen: 47.725 ug/L  
RT: 12.644 min Scan# 3609  
Delta R.T. -0.003 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

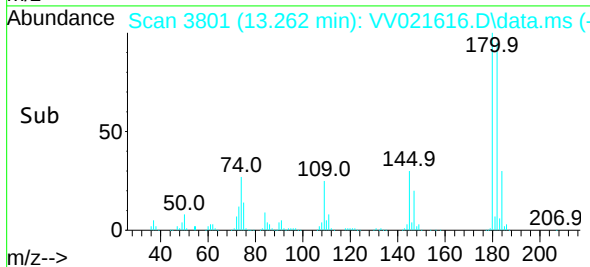
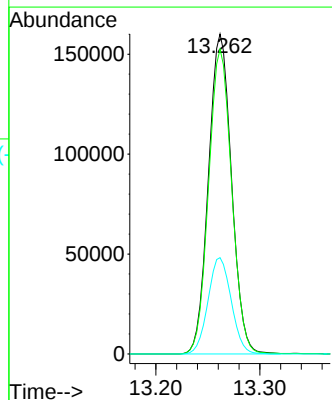
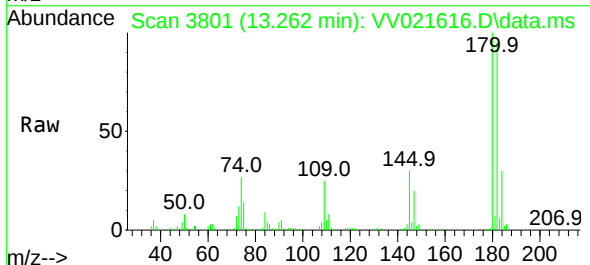
Instrument :  
MSVOA\_V  
ClientSampleId :

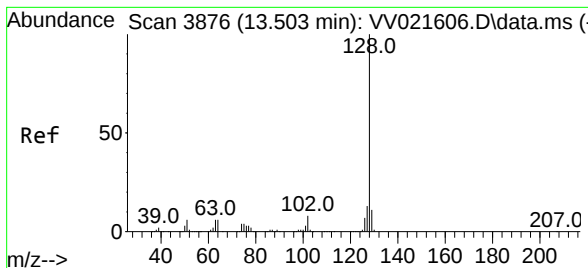
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 284229 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.5  | 75.0  | 112.4  |
| 184       | 30.3  | 23.8  | 35.6   |
| 145       | 29.9  | 23.4  | 35.2   |



#70  
1,2,4-trichlorobenzene  
Concen: 48.106 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 246394 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.3  | 75.4  | 113.2  |
| 145       | 30.3  | 24.1  | 36.1   |

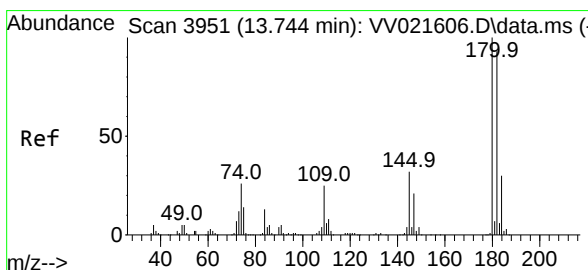
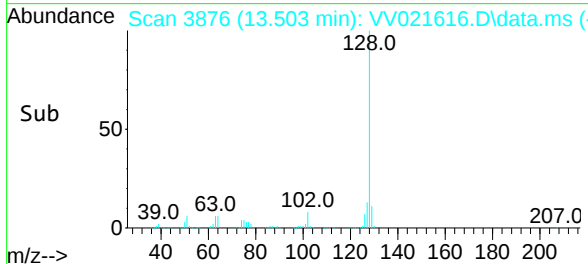
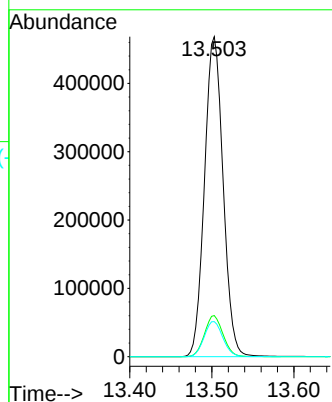
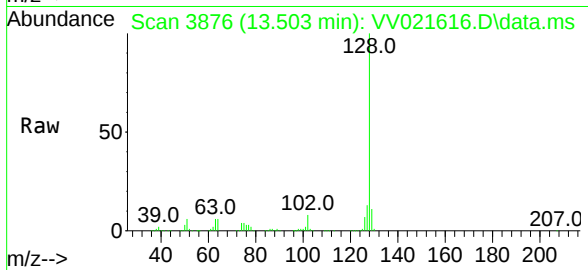




#71  
Naphthalene  
Concen: 47.292 ug/L  
RT: 13.503 min Scan# 3876  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 737705  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.2 15.2  
129 11.1 8.6 13.0



#72  
1,2,3-Trichlorobenzene  
Concen: 48.210 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. -0.000 min  
Lab File: VV021616.D  
Acq: 12 Jul 2021 09:31

Tgt Ion:180 Resp: 243885  
Ion Ratio Lower Upper  
180 100  
182 95.5 75.8 113.6  
145 32.5 25.7 38.5

