

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW052622\  
 Data File : VW025960.D  
 Acq On : 26 May 2022 15:59  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK271

Quant Time: May 27 01:29:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 27 01:28:09 2022  
 Response via : Initial Calibration

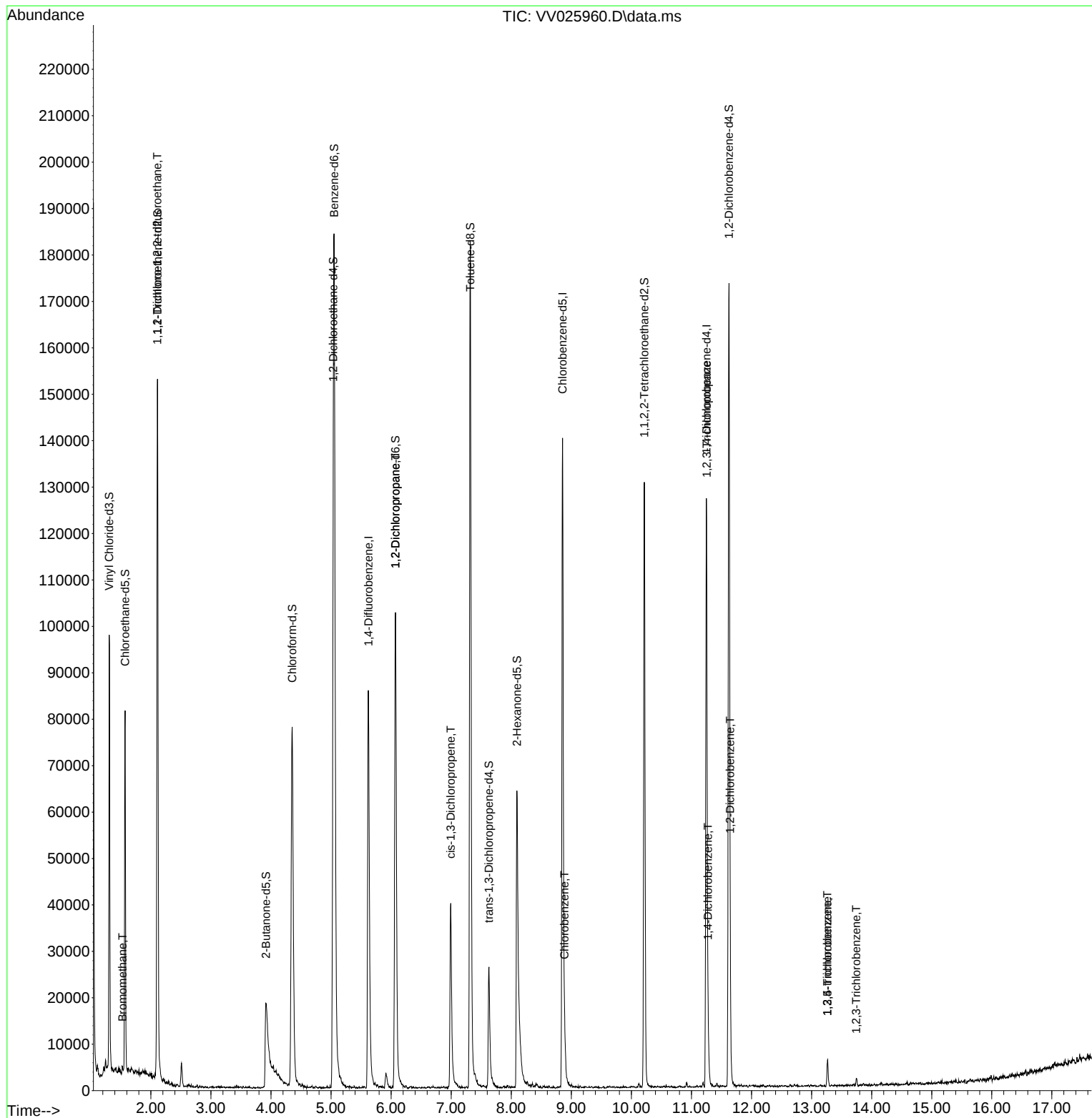
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|---------|-------|----------|----------|--------|-----------|
| -----                         |         |       |          |          |        |           |
| Internal Standards            |         |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.622   | 114   | 76956    | 50.000   | ug/L   | 0.01      |
| 28) Chlorobenzene-d5          | 8.854   | 117   | 80009    | 50.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249  | 152   | 33814    | 50.000   | ug/L   | 0.00      |
|                               |         |       |          |          |        |           |
| System Monitoring Compounds   |         |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.307   | 65    | 61105    | 61.524   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 123.040%  |
| 7) Chloroethane-d5            | 1.571   | 69    | 48361    | 55.447   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 110.900%  |
| 11) 1,1-Dichloroethene-d2     | 2.111   | 63    | 80514    | 46.351   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.700%   |
| 21) 2-Butanone-d5             | 3.915   | 46    | 33907    | 79.651   | ug/L   | 0.01      |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 79.650%   |
| 24) Chloroform-d              | 4.352   | 84    | 82151    | 59.220   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 118.440%  |
| 26) 1,2-Dichloroethane-d4     | 5.037   | 65    | 52584    | 62.720   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 125.440%# |
| 32) Benzene-d6                | 5.053   | 84    | 165558   | 59.356   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 118.720%  |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 51776    | 60.438   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 120.880%# |
| 41) Toluene-d8                | 7.317   | 98    | 128250   | 49.904   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.800%   |
| 43) trans-1,3-Dichloroprop... | 7.628   | 79    | 16325    | 42.689   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 85.380%   |
| 47) 2-Hexanone-d5             | 8.095   | 63    | 24900    | 79.279   | ug/L   | 0.00      |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 79.280%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 64621    | 56.564   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 113.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 45024    | 60.701   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 121.400%# |
|                               |         |       |          |          |        |           |
| Target Compounds              |         |       |          |          |        | Qvalue    |
| 6) Bromomethane               | 1.526   | 94    | 725      | 1.220    | ug/L   | 97        |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108   | 101   | 733      | 0.992    | ug/L # | 22        |
| 37) 1,2-Dichloropropane       | 6.072   | 63    | 5787     | 8.551    | ug/L # | 86        |
| 39) cis-1,3-Dichloropropene   | 6.992   | 75    | 1248     | 1.293    | ug/L # | 58        |
| 51) Chlorobenzene             | 8.886   | 112   | 5748     | 3.106    | ug/L   | 95        |
| 61) 1,2,3-Trichloropropane    | 11.252  | 75    | 5832     | 8.714    | ug/L # | 58        |
| 65) 1,4-Dichlorobenzene       | 11.275  | 146   | 4801     | 4.273    | ug/L   | 92        |
| 67) 1,2-Dichlorobenzene       | 11.644  | 146   | 7258     | 6.545    | ug/L   | 90        |
| 69) 1,3,5-Trichlorobenzene    | 13.265  | 180   | 1978     | 2.672    | ug/L   | 93        |
| 70) 1,2,4-trichlorobenzene    | 13.265  | 180   | 1978     | 3.138    | ug/L   | 92        |
| 72) 1,2,3-Trichlorobenzene    | 13.744  | 180   | 608      | 0.946    | ug/L # | 94        |
| -----                         |         |       |          |          |        |           |

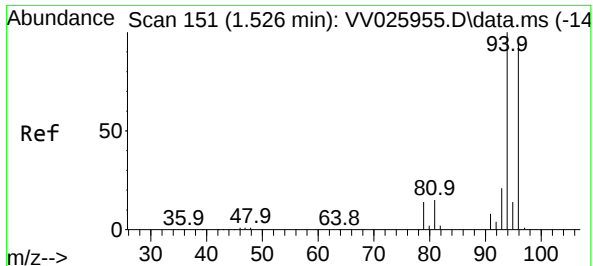
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV052622\  
Data File : VV025960.D  
Acq On : 26 May 2022 15:59  
Operator : SY/MD  
Sample : VIBLK  
Misc : 5mL/MSVOA\_V/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK271

Quant Time: May 27 01:29:45 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051022WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 27 01:28:09 2022  
Response via : Initial Calibration

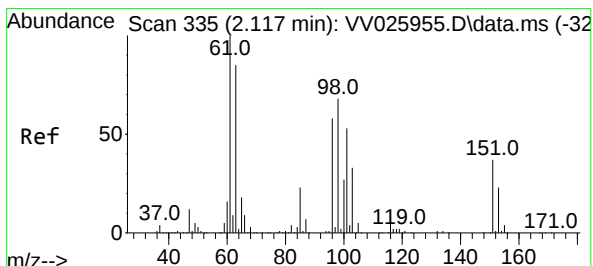
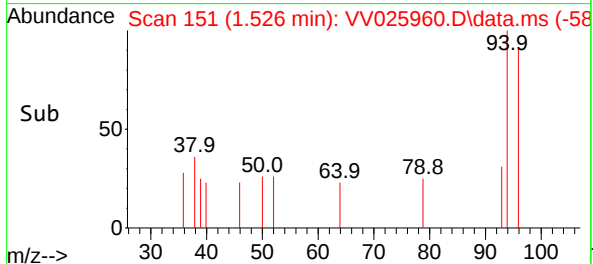
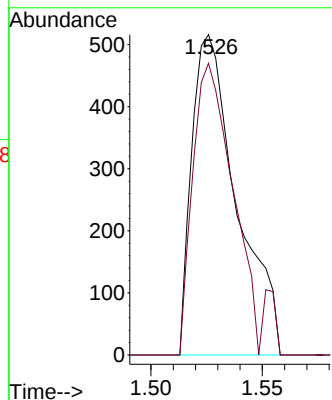
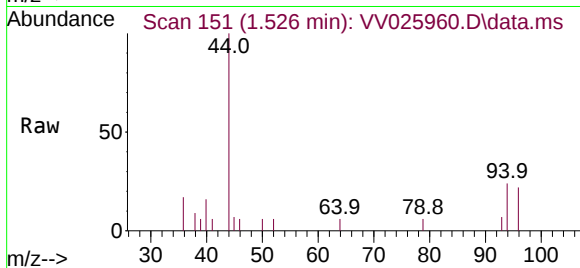




#6  
Bromomethane  
Concen: 1.220 ug/L  
RT: 1.526 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV025960.D  
Acq: 26 May 2022 15:59

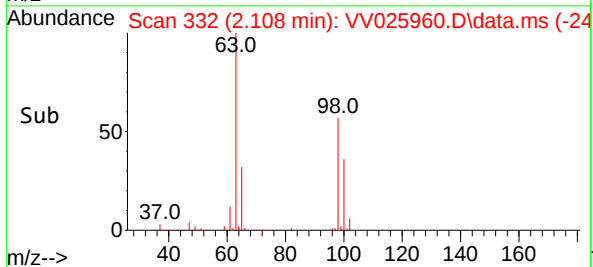
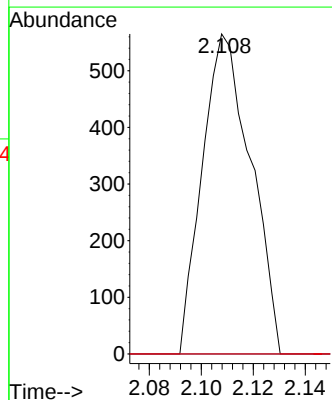
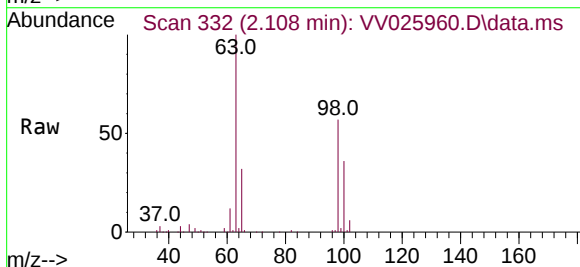
Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK271

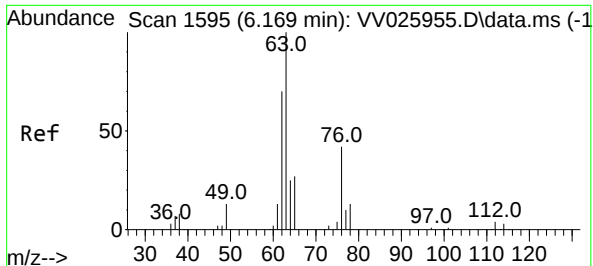
Tgt Ion: 94 Resp: 725  
Ion Ratio Lower Upper  
94 100  
96 91.1 65.9 122.3



#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.992 ug/L  
RT: 2.108 min Scan# 332  
Delta R.T. -0.010 min  
Lab File: VV025960.D  
Acq: 26 May 2022 15:59

Tgt Ion:101 Resp: 733  
Ion Ratio Lower Upper  
101 100  
85 0.0 34.6 51.8#  
151 0.0 54.3 81.5#





#37

1,2-Dichloropropane

Concen: 8.551 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.096 min

Lab File: VV025960.D

Acq: 26 May 2022 15:59

Instrument :

MSVOA\_V

ClientSampleId :

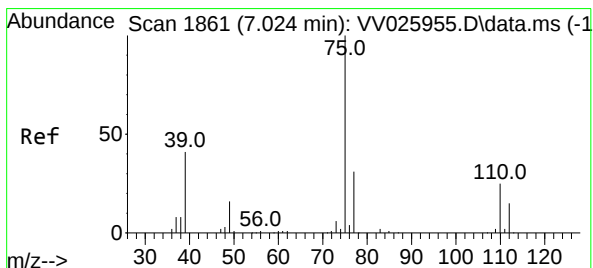
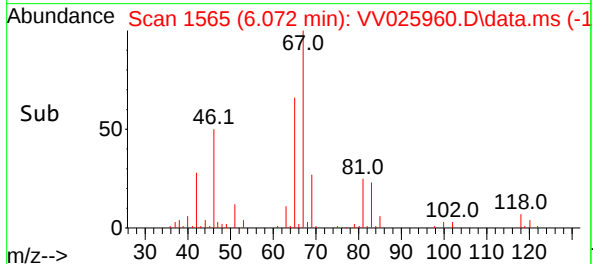
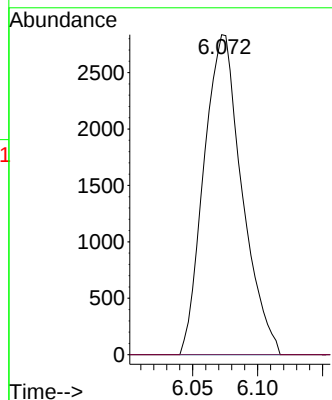
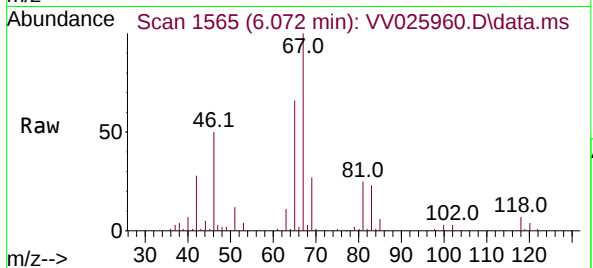
VIBLK271

Tgt Ion: 63 Resp: 5787

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.293 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.032 min

Lab File: VV025960.D

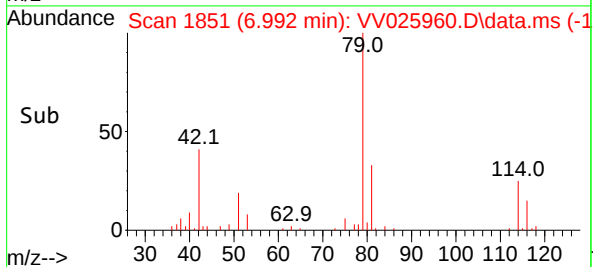
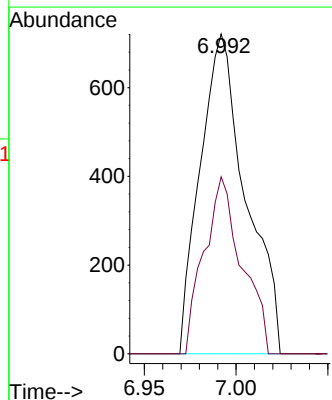
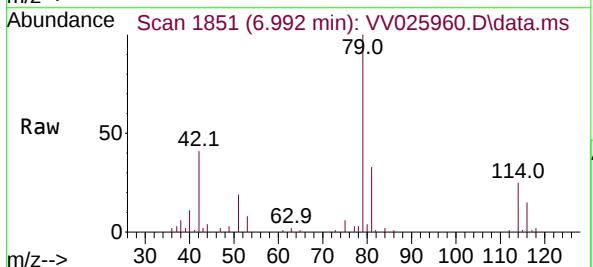
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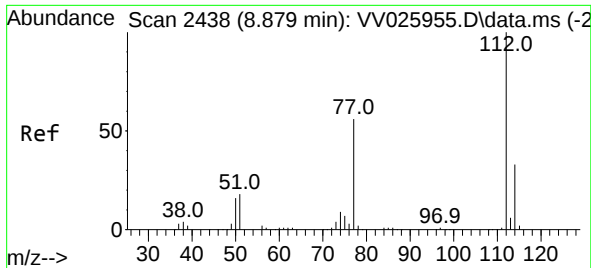
Tgt Ion: 75 Resp: 1248

Ion Ratio Lower Upper

75 100

77 55.3 22.4 41.6#

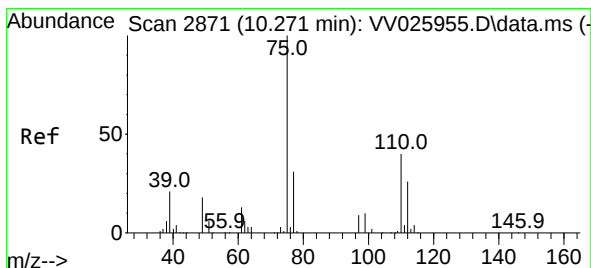
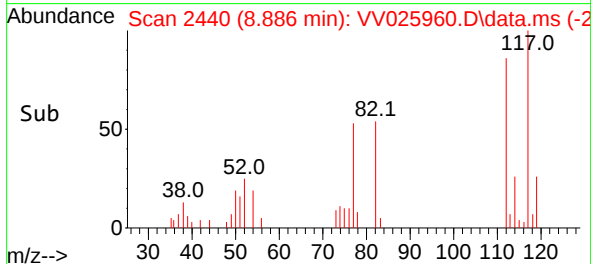
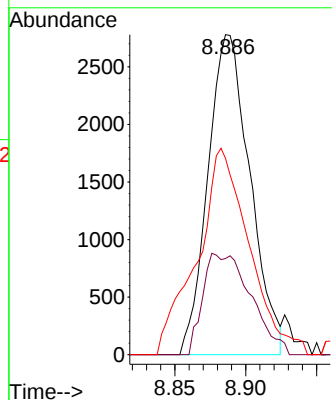
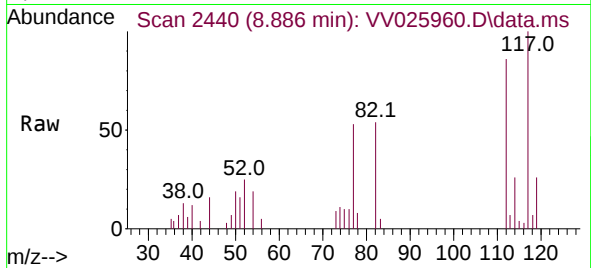




#51  
Chlorobenzene  
Concen: 3.106 ug/L  
RT: 8.886 min Scan# 2438  
Delta R.T. 0.006 min  
Lab File: VV025960.D  
Acq: 26 May 2022 15:59

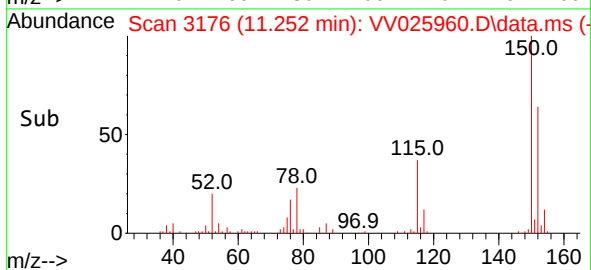
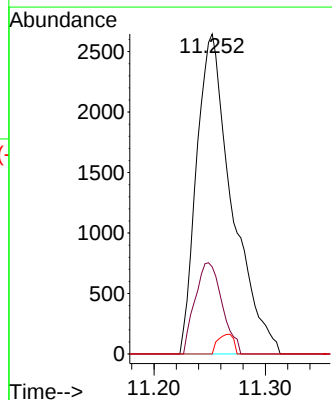
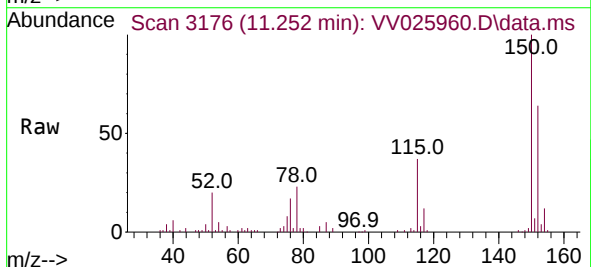
Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK271

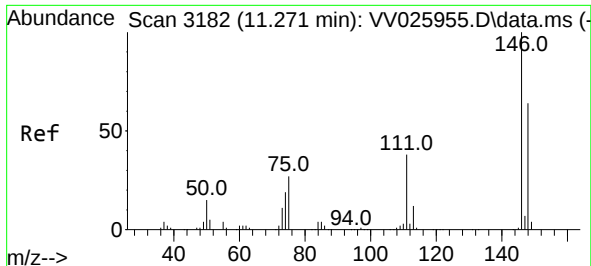
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:112 | Resp: | 5748      |
| Ion Ratio   | Lower | Upper     |
| 112         | 100   |           |
| 114         | 30.1  | 22.0 40.8 |
| 77          | 61.4  | 45.3 67.9 |



#61  
1,2,3-Trichloropropane  
Concen: 8.714 ug/L  
RT: 11.252 min Scan# 3176  
Delta R.T. 0.981 min  
Lab File: VV025960.D  
Acq: 26 May 2022 15:59

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 5832       |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 77          | 21.9  | 25.3 37.9# |
| 110         | 2.7   | 32.3 48.5# |

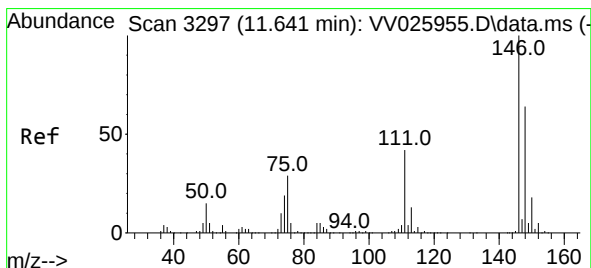
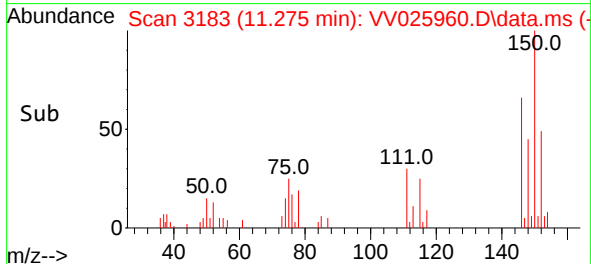
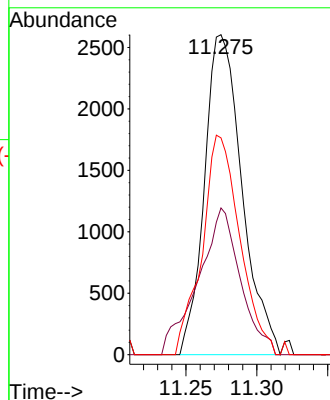
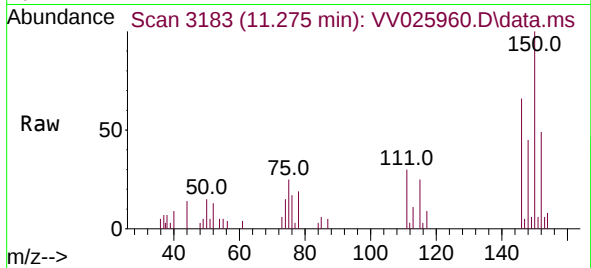




#65  
1,4-Dichlorobenzene  
Concen: 4.273 ug/L  
RT: 11.275 min Scan# 3182  
Delta R.T. 0.003 min  
Lab File: VV025960.D  
Acq: 26 May 2022 15:59

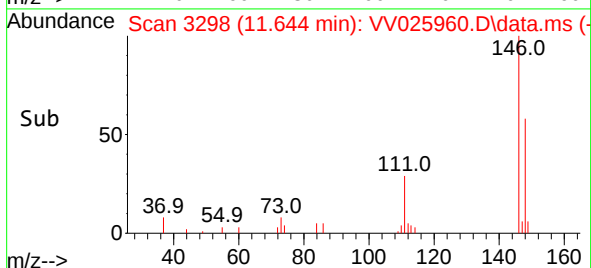
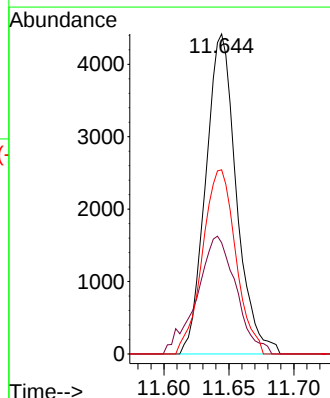
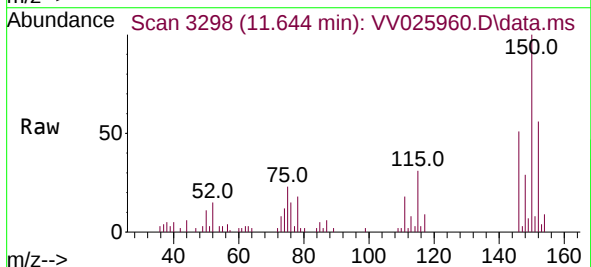
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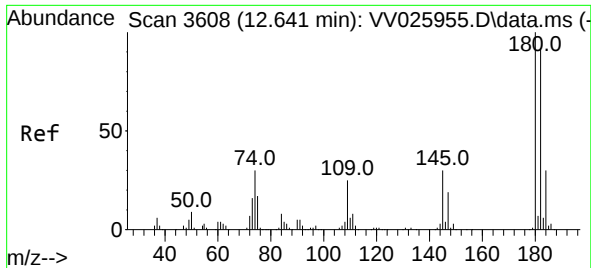
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 4801      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 45.9  | 26.7 49.7 |
| 148         | 67.7  | 44.2 82.2 |



#67  
1,2-Dichlorobenzene  
Concen: 6.545 ug/L  
RT: 11.644 min Scan# 3298  
Delta R.T. 0.003 min  
Lab File: VV025960.D  
Acq: 26 May 2022 15:59

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 7258      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 34.8  | 33.7 50.5 |
| 148         | 57.5  | 51.4 77.2 |





#69

1,3,5-Trichlorobenzene

Concen: 2.672 ug/L

RT: 13.265 min Scan# 3802

Delta R.T. 0.624 min

Lab File: VV025960.D

Acq: 26 May 2022 15:59

Instrument :

MSVOA\_V

ClientSampleId :

VIBLK271

Tgt Ion:180 Resp: 1978

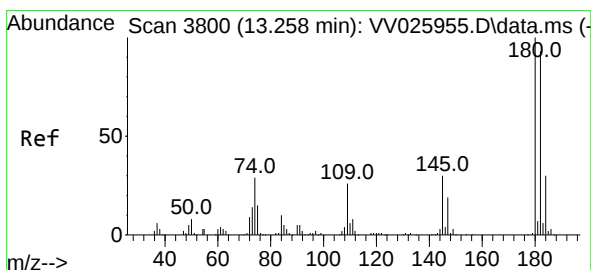
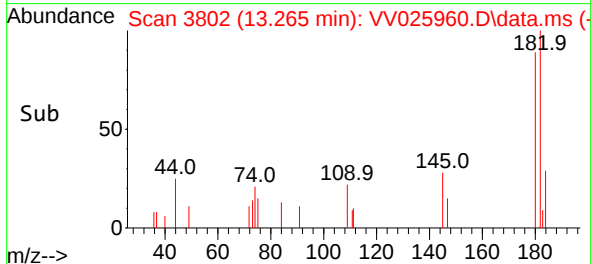
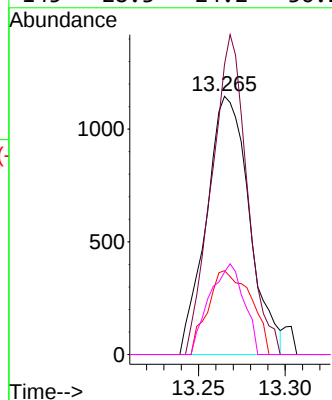
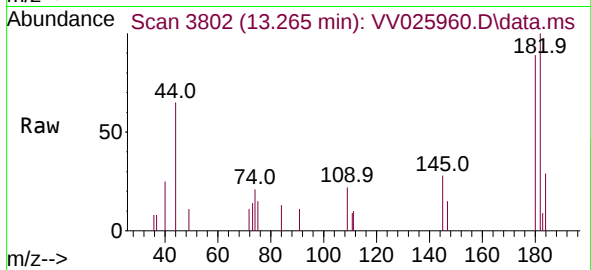
Ion Ratio Lower Upper

180 100

182 101.8 75.1 112.7

184 32.4 23.6 35.4

145 28.3 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 3.138 ug/L

RT: 13.265 min Scan# 3802

Delta R.T. 0.006 min

Lab File: VV025960.D

Acq: 26 May 2022 15:59

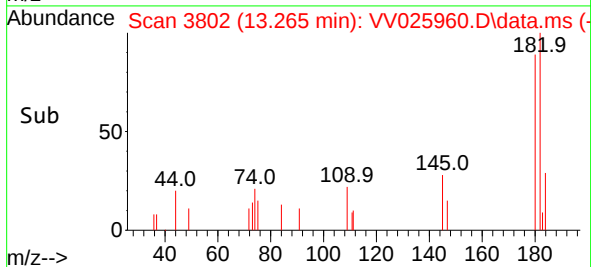
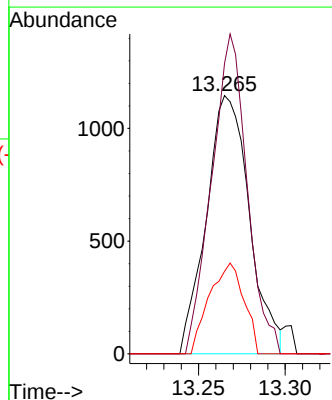
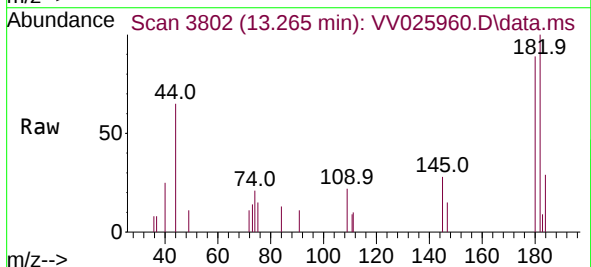
Tgt Ion:180 Resp: 1978

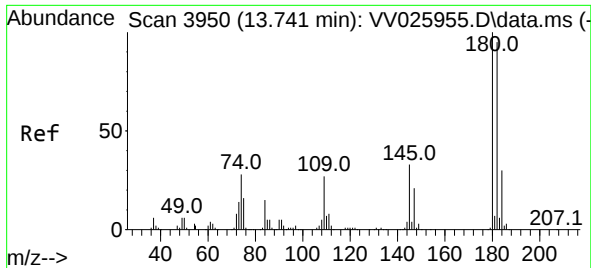
Ion Ratio Lower Upper

180 100

182 101.8 74.8 112.2

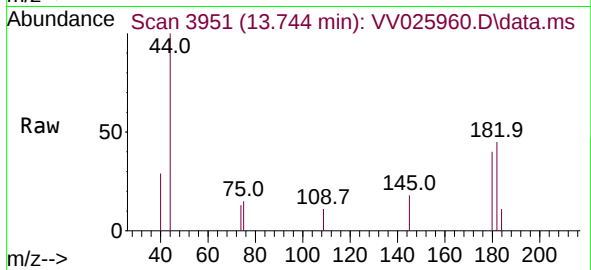
145 28.3 24.8 37.2





#72  
 1,2,3-Trichlorobenzene  
 Concen: 0.946 ug/L  
 RT: 13.744 min Scan# 3950  
 Delta R.T. 0.003 min  
 Lab File: VV025960.D  
 Acq: 26 May 2022 15:59

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK271



Tgt Ion:180 Resp: 608  
 Ion Ratio Lower Upper  
 180 100  
 182 92.1 75.8 113.8  
 145 23.7 26.3 39.5#

