

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081822\  
 Data File : VX030682.D  
 Acq On : 18 Aug 2022 14:03  
 Operator : JC/MD  
 Sample : N4221-14DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 18 14:45:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 18 04:21:09 2022  
 Response via : Initial Calibration

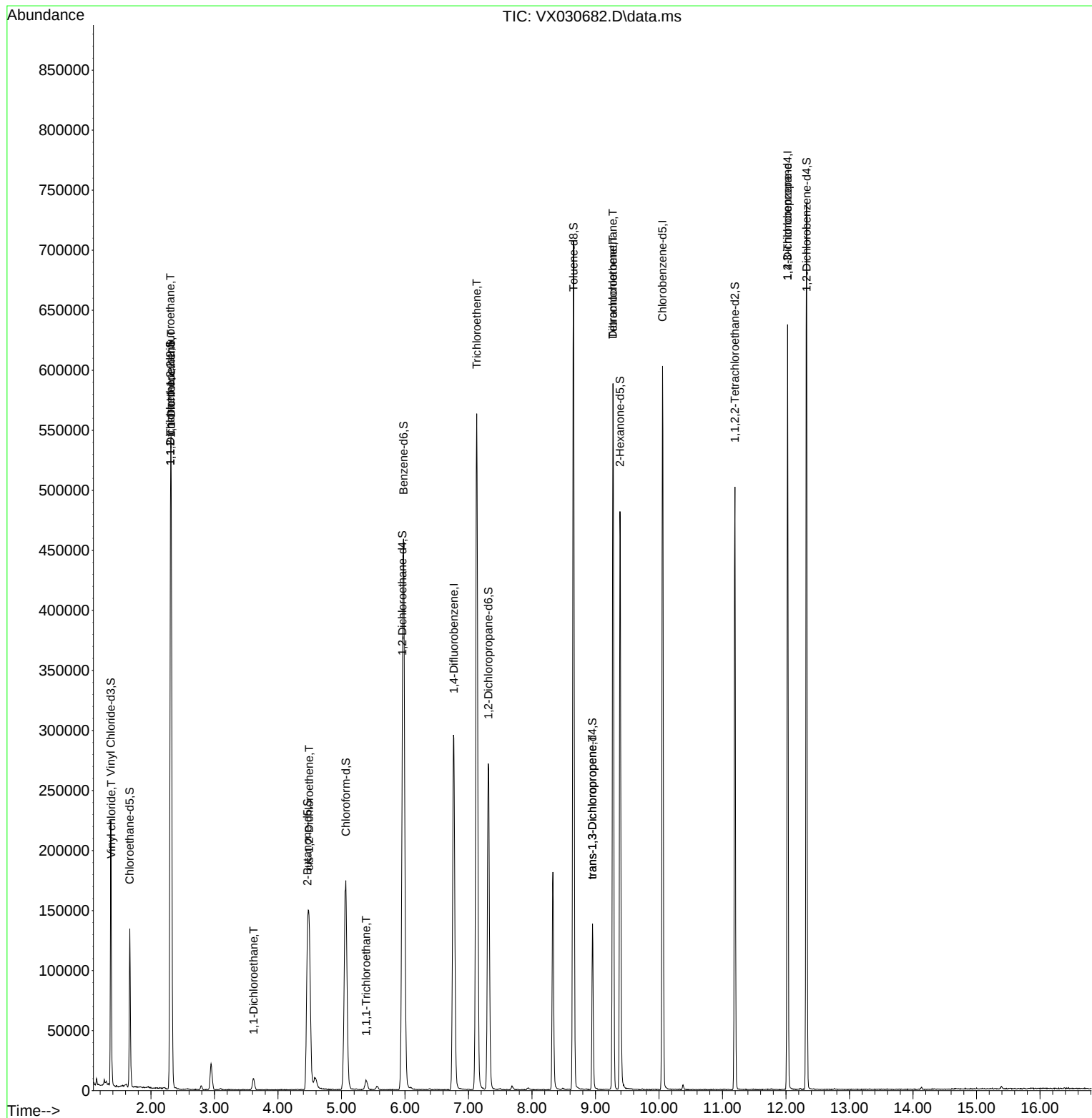
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 6.769     | 114   | 311234   | 50.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 10.055    | 117   | 282973   | 50.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 126220   | 50.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 1.368     | 65    | 113608   | 56.841   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 135 | Recovery | = 113.680% |          |
| 7) Chloroethane-d5            | 1.666     | 69    | 86938    | 61.703   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 130 | Recovery | = 123.400% |          |
| 11) 1,1-Dichloroethene-d2     | 2.307     | 63    | 232336   | 61.453   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 122.900% |          |
| 21) 2-Butanone-d5             | 4.465     | 46    | 195092   | 105.348  | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 40 - 130 | Recovery | = 105.350% |          |
| 24) Chloroform-d              | 5.068     | 84    | 223935   | 54.428   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 108.860% |          |
| 26) 1,2-Dichloroethane-d4     | 5.958     | 65    | 140978   | 50.463   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 100.920% |          |
| 32) Benzene-d6                | 5.977     | 84    | 469228   | 57.889   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 125 | Recovery | = 115.780% |          |
| 36) 1,2-Dichloropropane-d6    | 7.312     | 67    | 153362   | 58.316   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 70 - 120 | Recovery | = 116.640% |          |
| 41) Toluene-d8                | 8.653     | 98    | 424844   | 55.604   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 111.200% |          |
| 43) trans-1,3-Dichloroprop... | 8.952     | 79    | 65532    | 50.090   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 60 - 125 | Recovery | = 100.180% |          |
| 47) 2-Hexanone-d5             | 9.385     | 63    | 145291   | 108.388  | ug/L       | 0.00     |
| Spiked Amount                 | 100.000   | Range | 45 - 130 | Recovery | = 108.390% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195    | 84    | 198989   | 57.599   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 65 - 120 | Recovery | = 115.200% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323    | 152   | 143911   | 58.783   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 80 - 120 | Recovery | = 117.560% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 5) Vinyl chloride             | 1.374     | 62    | 30660    | 14.254   | ug/L       | 94       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.307     | 101   | 1970     | 1.042    | ug/L #     | 20       |
| 12) 1,1-Dichloroethene        | 2.319     | 96    | 122040   | 70.057   | ug/L #     | 71       |
| 19) 1,1-Dichloroethane        | 3.617     | 63    | 11270    | 2.887    | ug/L       | 88       |
| 20) cis-1,2-Dichloroethene    | 4.489     | 96    | 62243    | 27.417   | ug/L       | 84       |
| 30) 1,1,1-Trichloroethane     | 5.385     | 97    | 5925     | 1.587    | ug/L #     | 61       |
| 34) Trichloroethene           | 7.129     | 95    | 221035   | 84.117   | ug/L       | 87       |
| 44) trans-1,3-Dichloropropene | 8.952     | 75    | 2512     | 0.713    | ug/L       | 100      |
| 46) Tetrachloroethene         | 9.275     | 164   | 108811   | 65.522   | ug/L       | 98       |
| 49) Dibromochloromethane      | 9.275     | 129   | 112318   | 47.067   | ug/L #     | 10       |
| 61) 1,2,3-Trichloropropane    | 12.024    | 75    | 15717    | 5.798    | ug/L #     | 68       |
| -----                         |           |       |          |          |            |          |

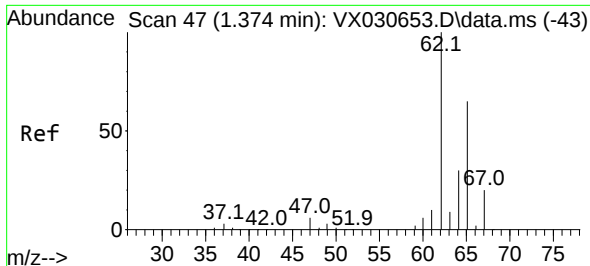
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :

Quant Time: Aug 18 14:45:43 2022  
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Quant Title : VOC Analysis  
QLast Update : Thu Aug 18 04:21:09 2022  
Response via : Initial Calibration

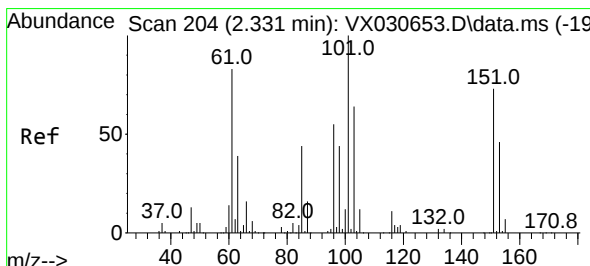
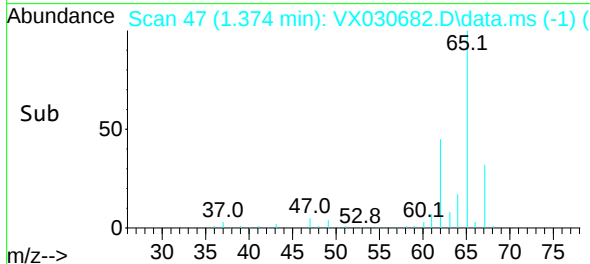
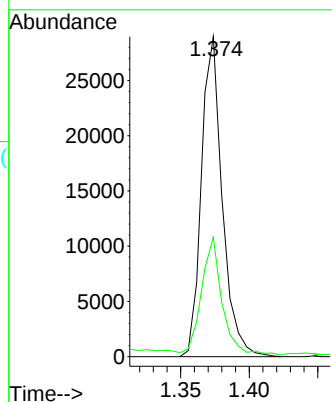
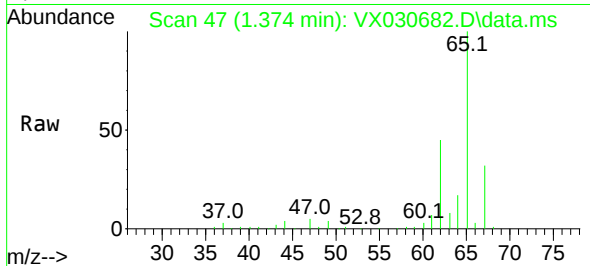




#5  
 Vinyl chloride  
 Concen: 14.254 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VX030682.D  
 Acq: 18 Aug 2022 14:03

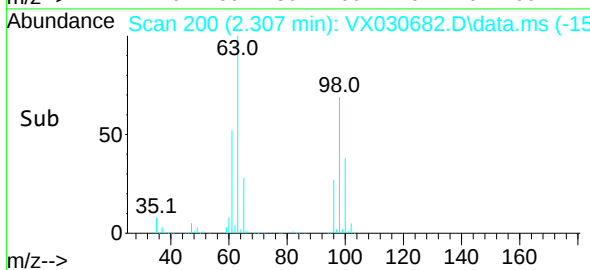
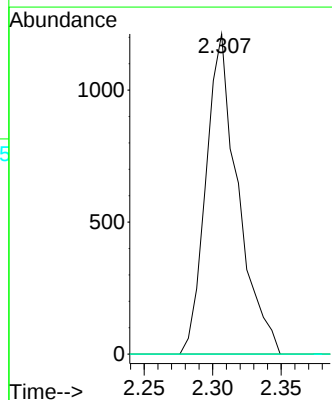
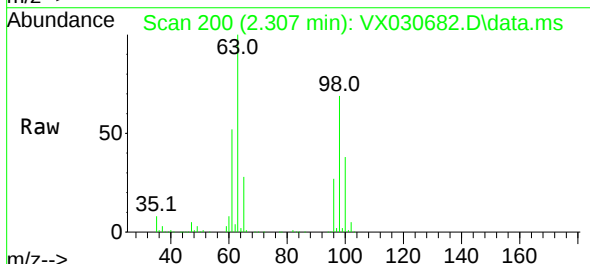
Instrument :  
 MSVOA\_X  
 ClientSampleId :

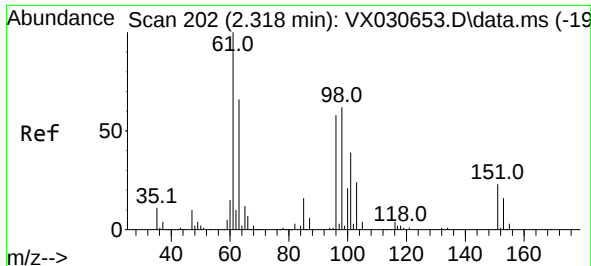
Tgt Ion: 62 Resp: 30660  
 Ion Ratio Lower Upper  
 62 100  
 64 37.4 23.8 44.2



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.042 ug/L  
 RT: 2.307 min Scan# 200  
 Delta R.T. -0.024 min  
 Lab File: VX030682.D  
 Acq: 18 Aug 2022 14:03

Tgt Ion: 101 Resp: 1970  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 35.3 52.9#  
 151 0.0 58.3 87.5#





#12

1,1-Dichloroethene

Concen: 70.057 ug/L

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

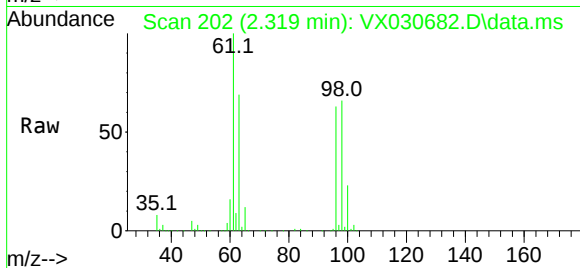
Lab File: VX030682.D

Acq: 18 Aug 2022 14:03

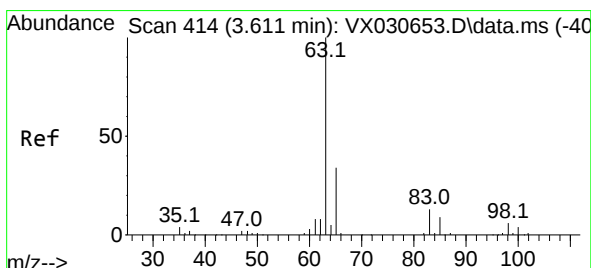
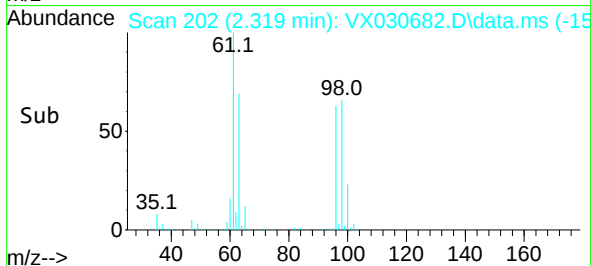
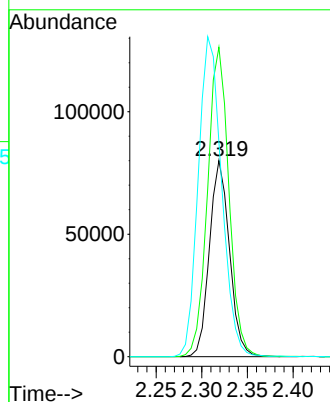
Instrument :

MSVOA\_X

ClientSampleId :



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 96    | Resp: | 122040 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 157.8 | 130.2 | 241.8  |
| 63       | 109.4 | 113.5 | 210.9  |



#19

1,1-Dichloroethane

Concen: 2.887 ug/L

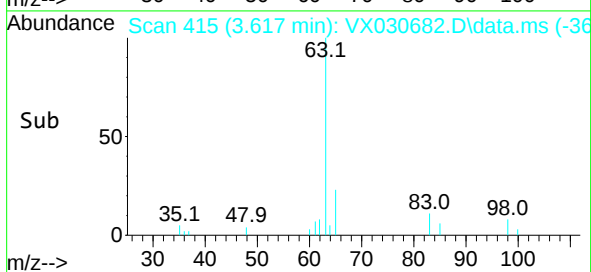
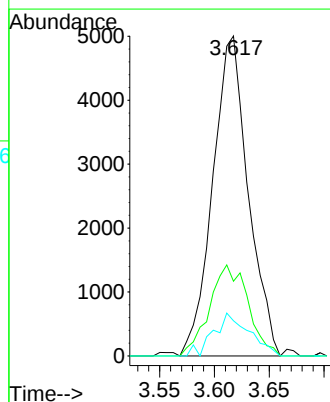
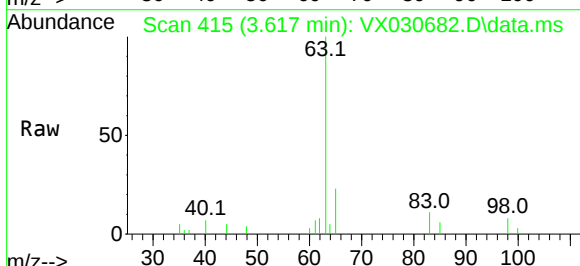
RT: 3.617 min Scan# 415

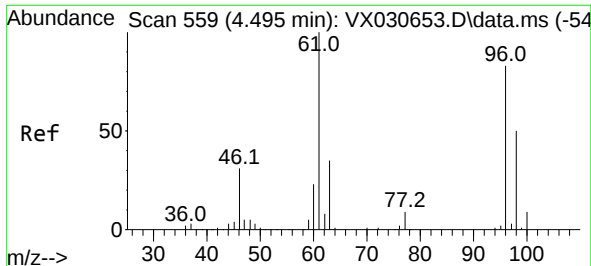
Delta R.T. 0.006 min

Lab File: VX030682.D

Acq: 18 Aug 2022 14:03

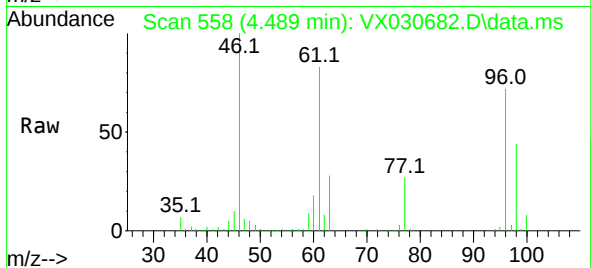
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 11270 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 23.3  | 22.0  | 40.8  |
| 83       | 11.0  | 9.9   | 18.3  |





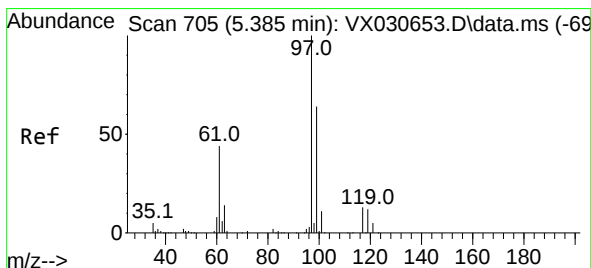
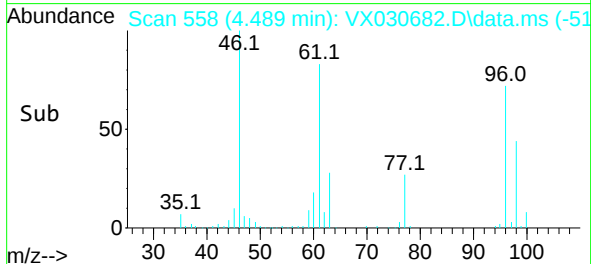
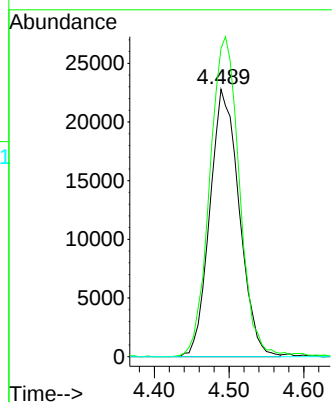
#20  
 cis-1,2-Dichloroethene  
 Concen: 27.417 ug/L  
 RT: 4.489 min Scan# 51  
 Delta R.T. -0.006 min  
 Lab File: VX030682.D  
 Acq: 18 Aug 2022 14:03

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 96 Resp: 62243

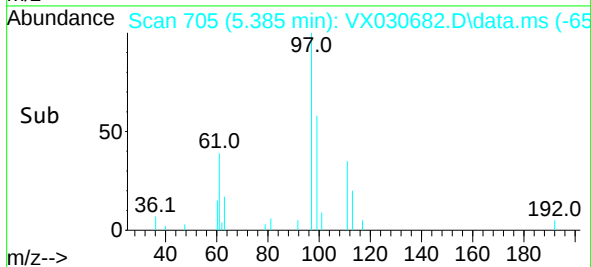
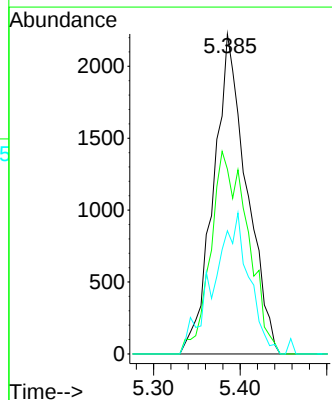
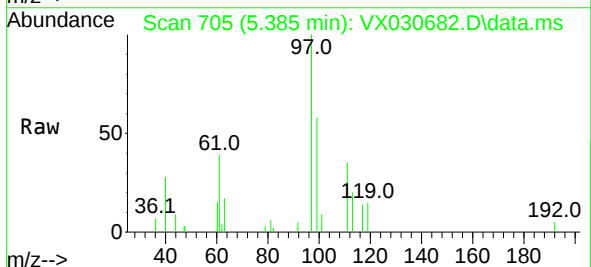
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 115.3 | 94.0  | 174.6 |
| 68  | 0.0   | 0.0   | 0.0   |

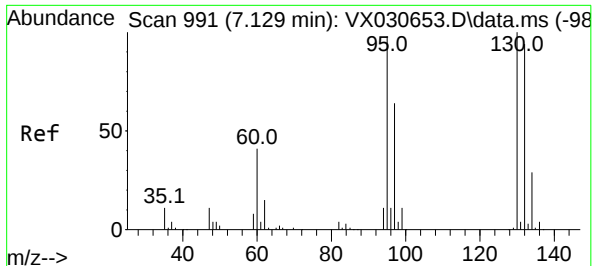


#30  
 1,1,1-Trichloroethane  
 Concen: 1.587 ug/L  
 RT: 5.385 min Scan# 705  
 Delta R.T. 0.000 min  
 Lab File: VX030682.D  
 Acq: 18 Aug 2022 14:03

Tgt Ion: 97 Resp: 5925

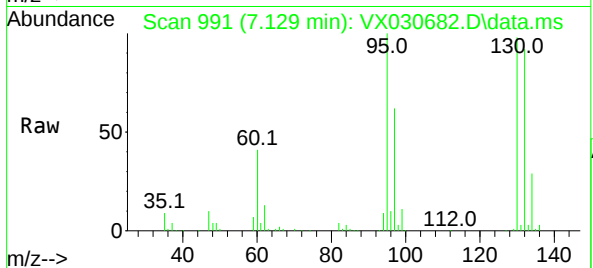
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 35.9  | 51.4  | 77.0# |
| 61  | 17.8  | 37.0  | 55.6# |



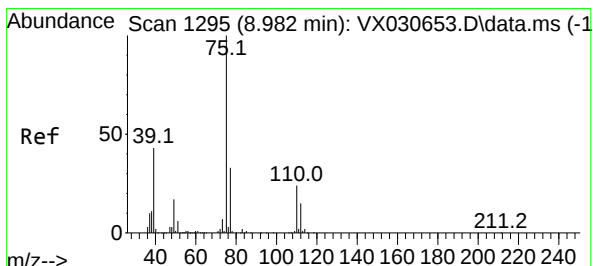
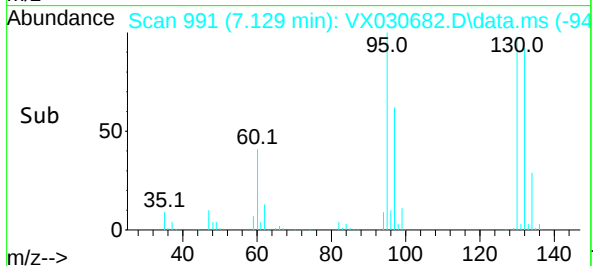
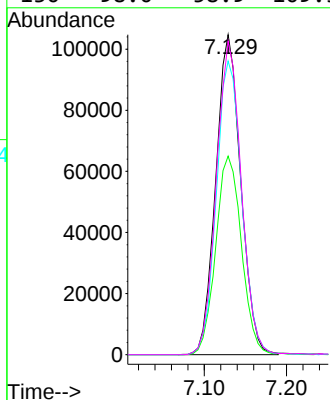


#34  
Trichloroethene  
Concen: 84.117 ug/L  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX030682.D  
Acq: 18 Aug 2022 14:03

Instrument :  
MSVOA\_X  
ClientSampleId :

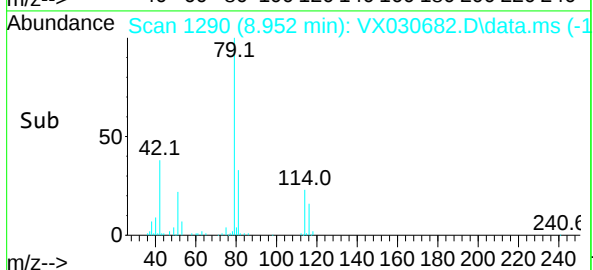
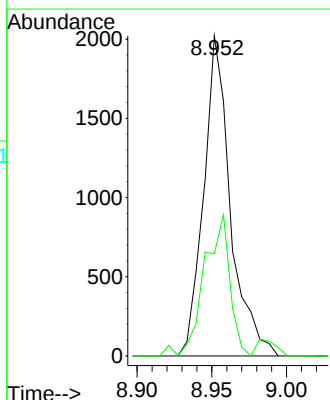
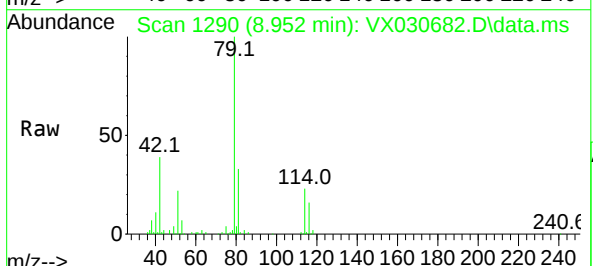


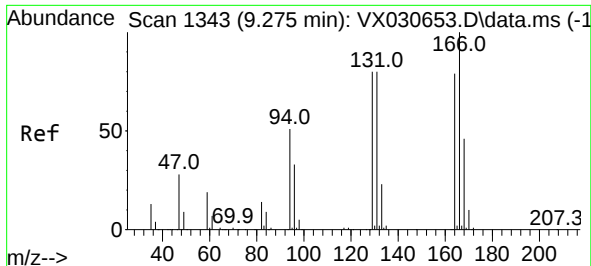
| Tgt Ion: | 95    | Resp: | 221035 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 62.1  | 40.2  | 74.6   |
| 132      | 91.8  | 55.3  | 102.7  |
| 130      | 98.0  | 58.9  | 109.5  |



#44  
trans-1,3-Dichloropropene  
Concen: 0.713 ug/L  
RT: 8.952 min Scan# 1290  
Delta R.T. -0.030 min  
Lab File: VX030682.D  
Acq: 18 Aug 2022 14:03

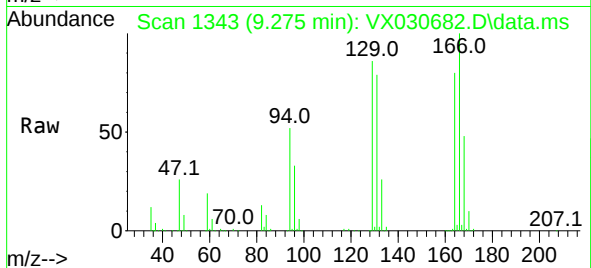
| Tgt Ion: | 75    | Resp: | 2512  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.9  | 22.5  | 41.7  |



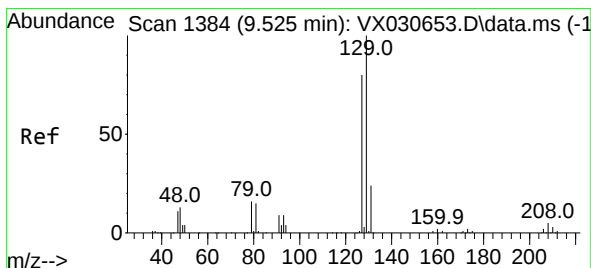
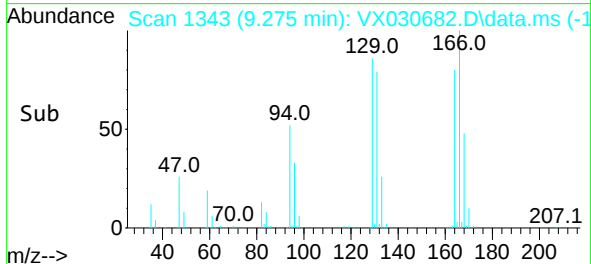
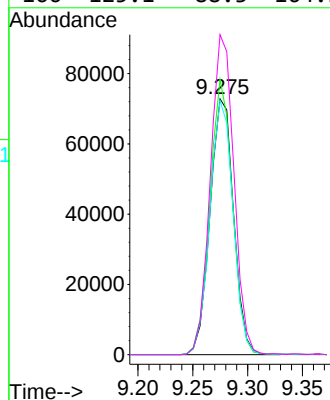


#46  
Tetrachloroethene  
Concen: 65.522 ug/L  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX030682.D  
Acq: 18 Aug 2022 14:03

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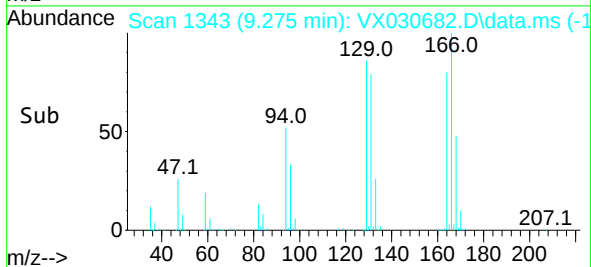
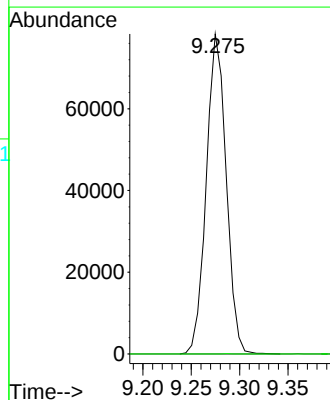
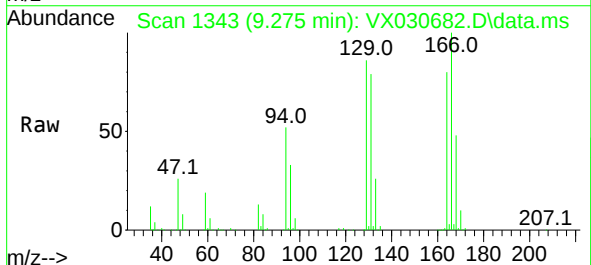


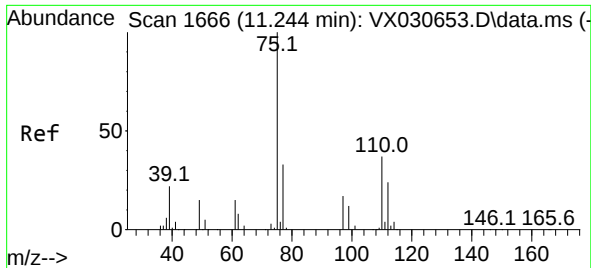
Tgt Ion:164 Resp: 108811  
Ion Ratio Lower Upper  
164 100  
129 107.5 72.7 135.1  
131 99.3 69.9 129.9  
166 125.1 88.3 164.1



#49  
Dibromochloromethane  
Concen: 47.067 ug/L  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.250 min  
Lab File: VX030682.D  
Acq: 18 Aug 2022 14:03

Tgt Ion:129 Resp: 112318  
Ion Ratio Lower Upper  
129 100  
127 0.3 55.6 103.2#





#61

1,2,3-Trichloropropane

Concen: 5.798 ug/L

RT: 12.024 min Scan# 11

Delta R.T. 0.781 min

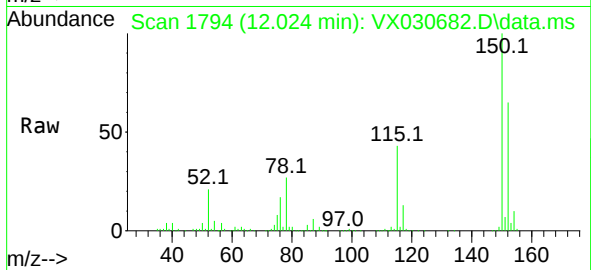
Lab File: VX030682.D

Acq: 18 Aug 2022 14:03

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion: 75 Resp: 15717

Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1

110 3.2 30.5 45.7#

