

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080922\  
 Data File : VX030535.D  
 Acq On : 09 Aug 2022 18:21  
 Operator : JC/MD  
 Sample : N4114-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F5D73

Quant Time: Aug 10 02:38:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 10 01:21:25 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 08/10/2022  
 Supervised By :Sohil Jodhani 08/10/2022

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.775          | 114  | 276086     | 50.000   | ug/L  | 0.01     |
| 28) Chlorobenzene-d5          | 10.061         | 117  | 249919     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 111553     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.367          | 65   | 58920      | 33.232   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 66.460%  |       |          |
| 7) Chloroethane-d5            | 1.666          | 69   | 49045      | 39.240   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 78.480%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.306          | 63   | 96645      | 28.817   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 57.640%# |       |          |
| 21) 2-Butanone-d5             | 4.483          | 46   | 188662     | 114.845  | ug/L  | 0.02     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 114.850% |       |          |
| 24) Chloroform-d              | 5.074          | 84   | 155064     | 42.486   | ug/L  | 0.01     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.980%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.970          | 65   | 111340     | 44.928   | ug/L  | 0.01     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.860%  |       |          |
| 32) Benzene-d6                | 5.983          | 84   | 291386     | 40.703   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 81.400%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 7.318          | 67   | 98525      | 42.419   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 84.840%  |       |          |
| 41) Toluene-d8                | 8.659          | 98   | 254670     | 37.740   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 75.480%# |       |          |
| 43) trans-1,3-Dichloroprop... | 8.958          | 79   | 43618      | 37.749   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 75.500%  |       |          |
| 47) 2-Hexanone-d5             | 9.390          | 63   | 123975     | 104.718  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 104.720% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195         | 84   | 144619     | 47.397   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 94.800%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.323         | 152  | 92126      | 42.578   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 85.160%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       |          |
| 5) Vinyl chloride             | 1.374          | 62   | 464290     | 243.328  | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.325          | 96   | 8806m      | 5.699    | ug/L  |          |
| 17) trans-1,2-Dichloroethene  | 3.099          | 96   | 13335      | 7.449    | ug/L  | 95       |
| 20) cis-1,2-Dichloroethene    | 4.501          | 96   | 1047380    | 520.086  | ug/L  | 99       |
| -----                         |                |      |            |          |       |          |

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

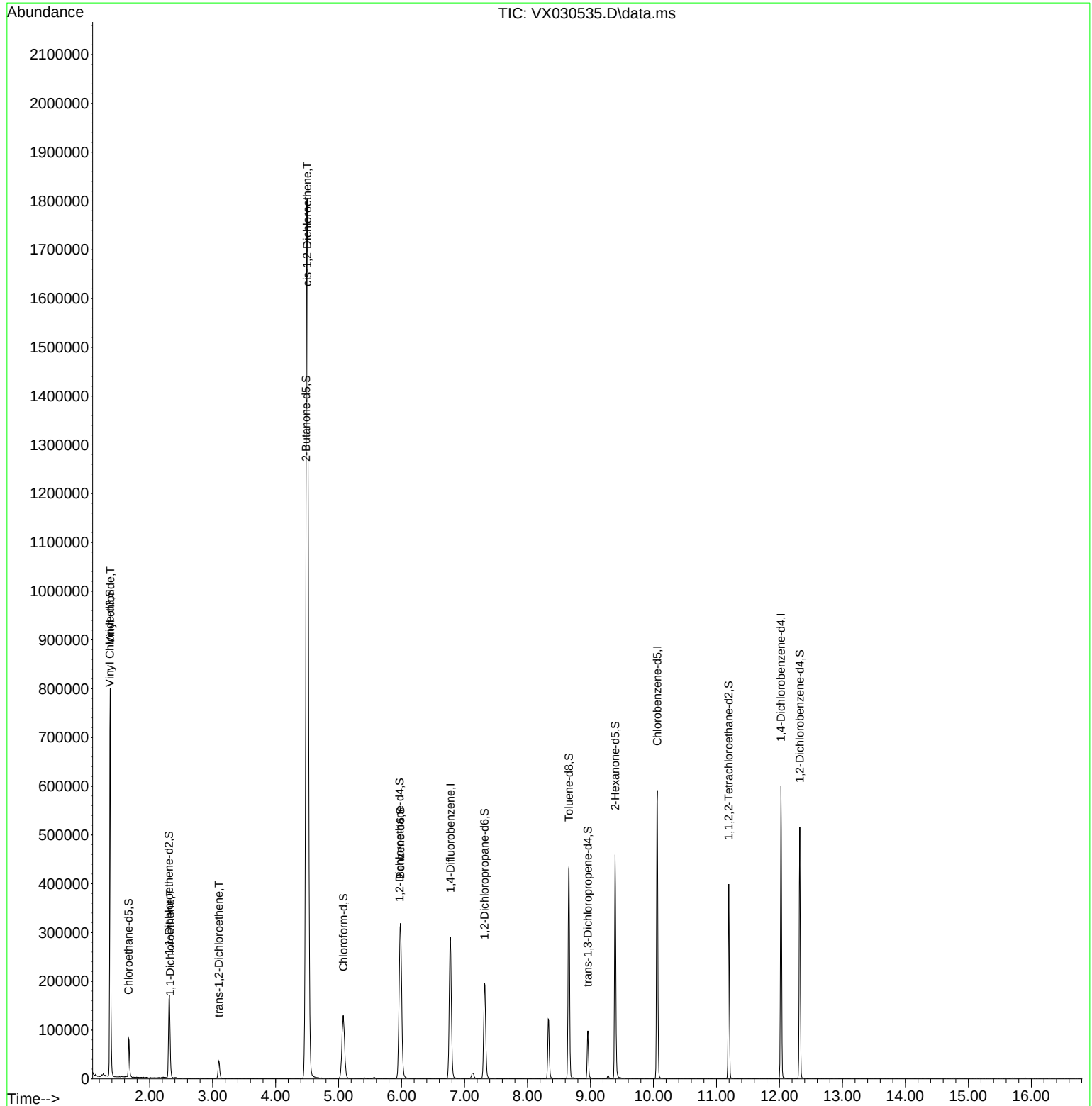
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080922\  
Data File : VX030535.D  
Acq On : 09 Aug 2022 18:21  
Operator : JC/MD  
Sample : N4114-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

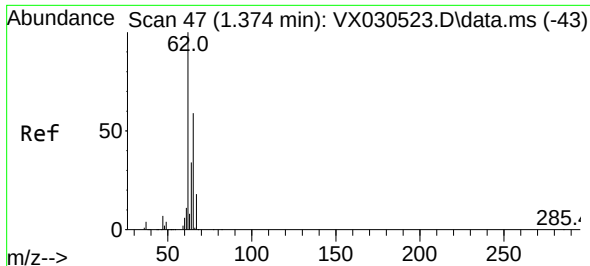
Instrument :  
MSVOA\_X  
ClientSampleId :  
F5D73

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 08/10/2022  
Supervised By :Sohil Jodhani 08/10/2022

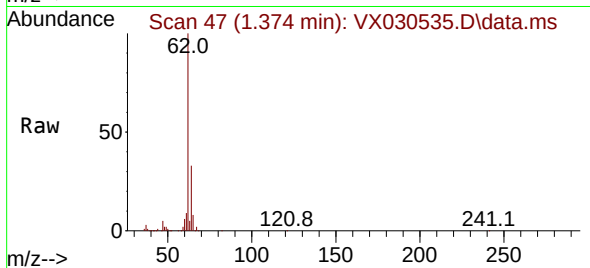
Quant Time: Aug 10 02:38:27 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML080422WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Aug 10 01:21:25 2022  
Response via : Initial Calibration





#5  
 Vinyl chloride  
 Concen: 243.328 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX030535.D  
 Acq: 09 Aug 2022 18:21

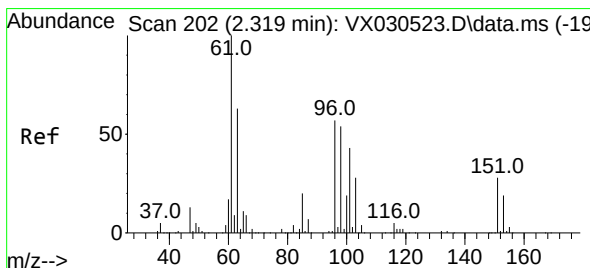
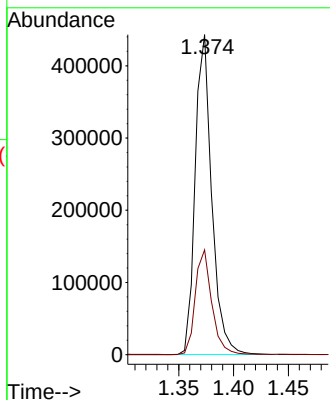
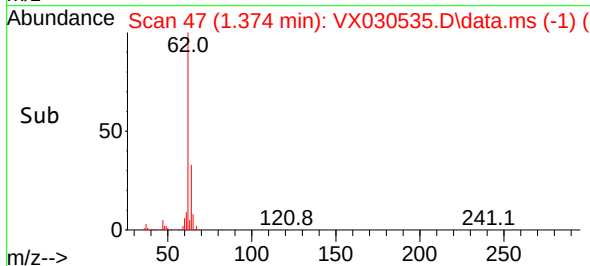
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 F5D73



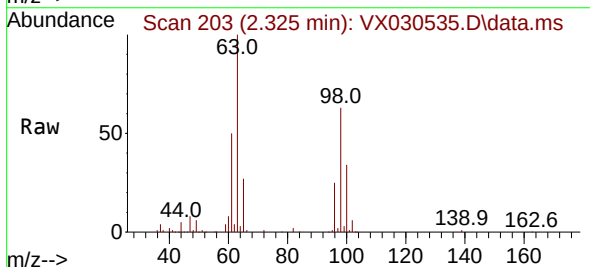
Tgt Ion: 62 Resp: 464290  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 23.8 44.2

Manual Integrations  
 APPROVED

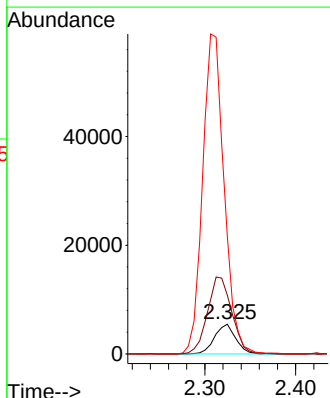
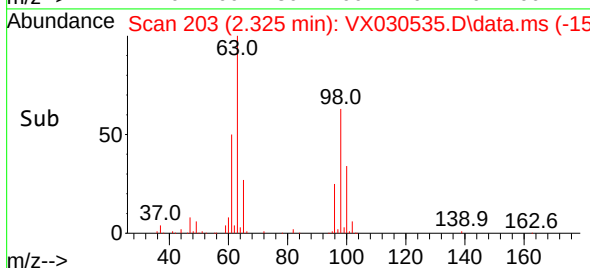
Reviewed By :Krupa Patel 08/10/2022  
 Supervised By :Sohil Jodhani 08/10/2022

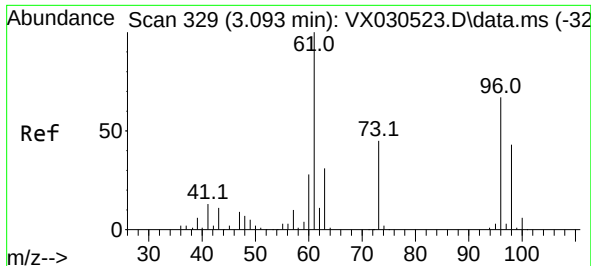


#12  
 1,1-Dichloroethene  
 Concen: 5.699 ug/L m  
 RT: 2.325 min Scan# 203  
 Delta R.T. 0.006 min  
 Lab File: VX030535.D  
 Acq: 09 Aug 2022 18:21



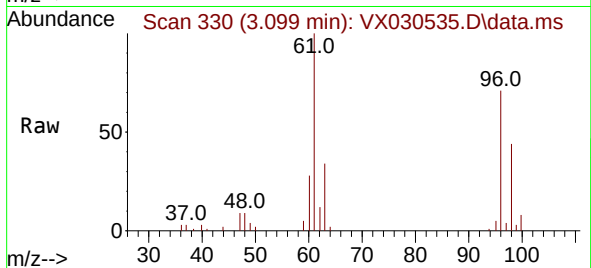
Tgt Ion: 96 Resp: 8806  
 Ion Ratio Lower Upper  
 96 100  
 61 197.6 130.2 241.8  
 63 397.0 113.5 210.9#





#17  
trans-1,2-Dichloroethene  
Concen: 7.449 ug/L  
RT: 3.099 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX030535.D  
Acq: 09 Aug 2022 18:21

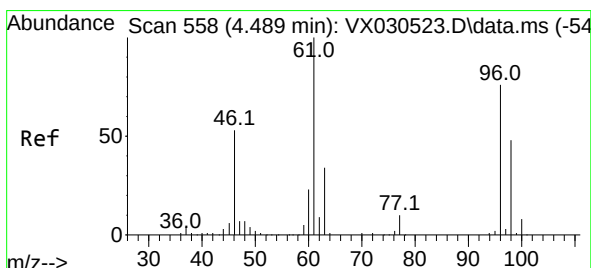
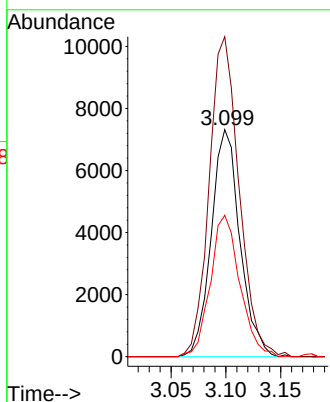
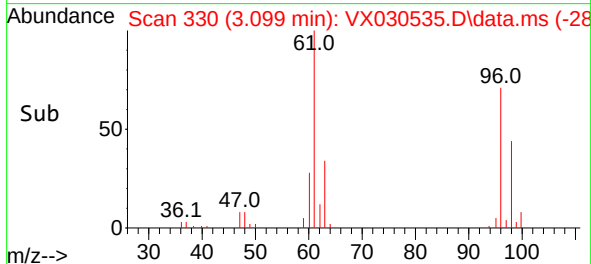
Instrument :  
MSVOA\_X  
ClientSampleId :  
F5D73



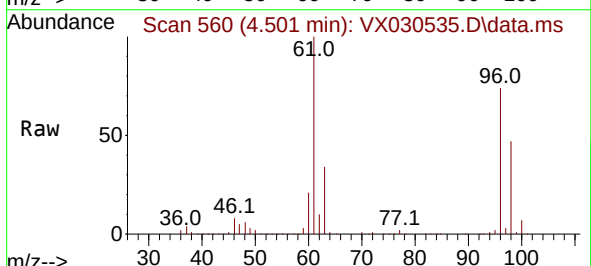
Tgt Ion: 96 Resp: 1333  
Ion Ratio Lower Upper  
96 100  
61 141.0 103.7 192.5  
98 62.3 41.5 77.1

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 08/10/2022  
Supervised By :Sohil Jodhani 08/10/2022



#20  
cis-1,2-Dichloroethene  
Concen: 520.086 ug/L  
RT: 4.501 min Scan# 560  
Delta R.T. 0.012 min  
Lab File: VX030535.D  
Acq: 09 Aug 2022 18:21



Tgt Ion: 96 Resp: 1047380  
Ion Ratio Lower Upper  
96 100  
61 135.6 94.0 174.6  
68 0.0 0.0 0.0

