

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
 Data File : VX039292.D  
 Acq On : 16 Dec 2023 15:53  
 Operator : JC/MD  
 Sample : 05845-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHE5

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023  
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 16 21:13:04 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 12 03:50:51 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763          | 114  | 219508     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055         | 117  | 204557     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 96992      | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368          | 65   | 69167      | 40.174   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 80.340%  |        |          |
| 7) Chloroethane-d5            | 1.666          | 69   | 53111      | 41.735   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 83.460%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.307          | 65   | 35175      | 46.542   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 93.080%  |        |          |
| 21) 2-Butanone-d5             | 4.452          | 46   | 151780     | 97.390   | ug/L   | 0.01     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 97.390%  |        |          |
| 24) Chloroform-d              | 5.056          | 84   | 145367     | 47.696   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.400%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.958          | 65   | 99884      | 50.604   | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.200% |        |          |
| 32) Benzene-d6                | 5.977          | 84   | 295848     | 46.863   | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.720%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 7.306          | 67   | 95227      | 46.871   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 93.740%  |        |          |
| 41) Toluene-d8                | 8.647          | 98   | 261571     | 45.721   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.440%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.952          | 79   | 43209      | 41.793   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.580%  |        |          |
| 47) 2-Hexanone-d5             | 9.384          | 63   | 107035     | 88.207   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 88.210%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189         | 84   | 131919     | 45.772   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 91.540%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.317         | 152  | 86635      | 47.256   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.520%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.374          | 62   | 21773      | 12.074   | ug/L   | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.319          | 101  | 4284       | 2.850    | ug/L # | 75       |
| 12) 1,1-Dichloroethene        | 2.319          | 96   | 163575m    | 115.675  | ug/L   |          |
| 13) Acetone                   | 2.374          | 43   | 91035      | 60.804   | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.611          | 63   | 15055      | 5.110    | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.489          | 96   | 16591      | 9.600    | ug/L   | 89       |
| 22) 2-Butanone                | 4.550          | 43   | 64156      | 34.916   | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 5.391          | 97   | 20087      | 8.093    | ug/L   | 98       |
| 33) Benzene                   | 6.044          | 78   | 5255       | 0.808    | ug/L   | 100      |
| 34) Trichloroethene           | 7.123          | 95   | 12281      | 7.149    | ug/L   | 90       |
| -----                         |                |      |            |          |        |          |

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

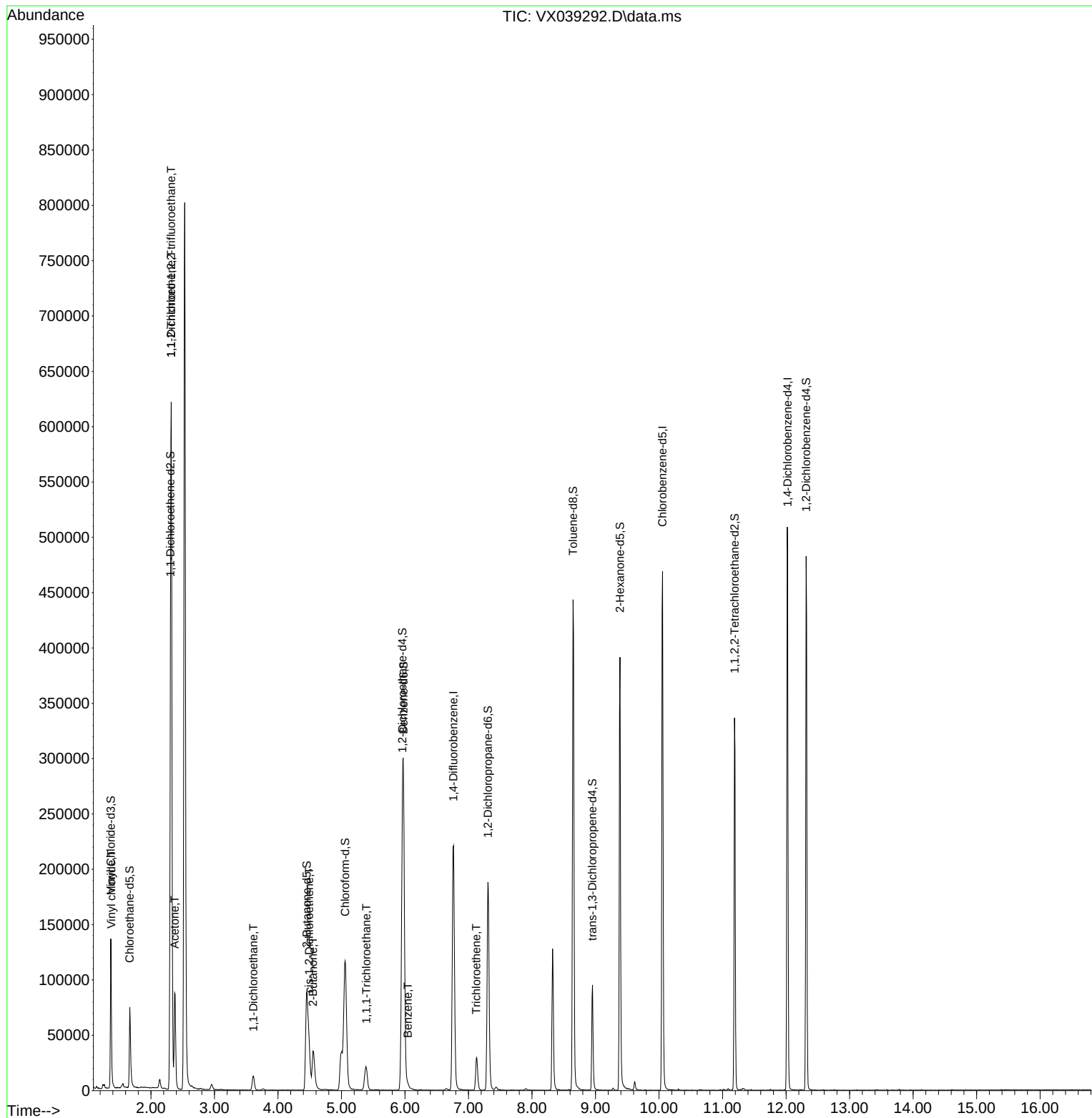
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
Data File : VX039292.D  
Acq On : 16 Dec 2023 15:53  
Operator : JC/MD  
Sample : 05845-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 63 Sample Multiplier: 1

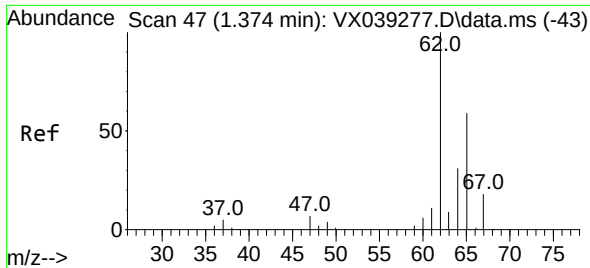
Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHE5

Quant Time: Dec 16 21:13:04 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXLM120523WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 12 03:50:51 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023  
Supervised By :Semsettin Yesilyurt 12/18/2023





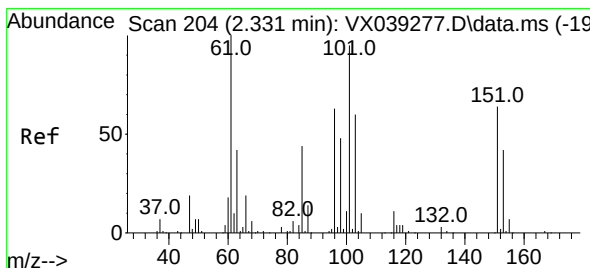
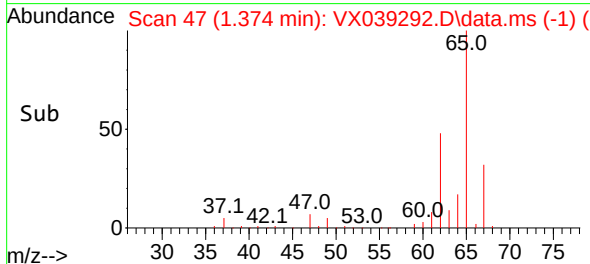
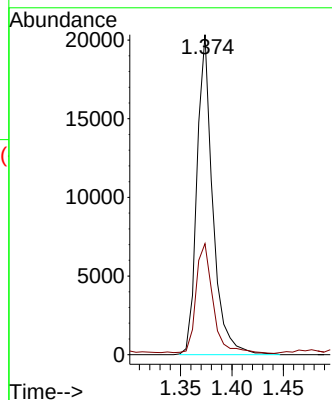
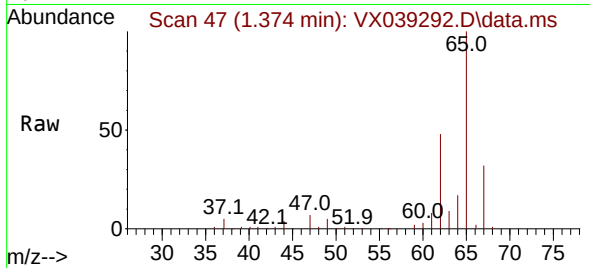
#5  
 Vinyl chloride  
 Concen: 12.074 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX039292.D  
 Acq: 16 Dec 2023 15:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHE5

Tgt Ion: 62 Resp: 2177  
 Ion Ratio Lower Upper  
 62 100  
 64 34.7 22.3 41.3

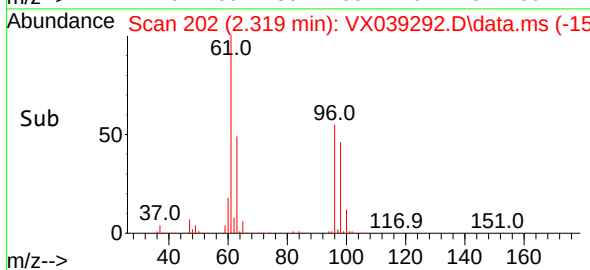
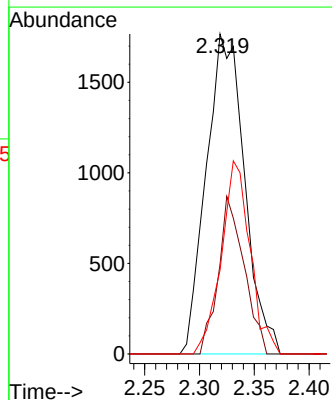
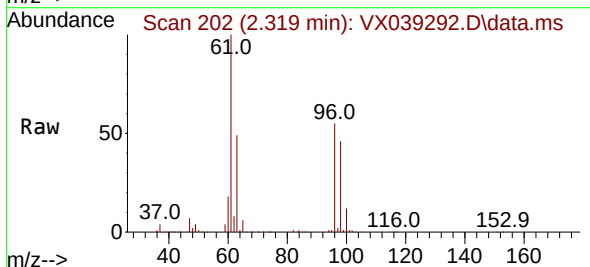
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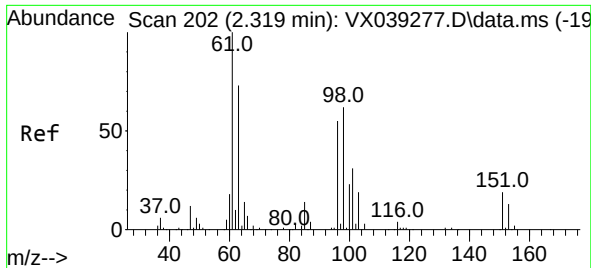
Reviewed By :Mahesh Dadoda 12/18/2023  
 Supervised By :Semsettin Yesilyurt 12/18/2023



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 2.850 ug/L  
 RT: 2.319 min Scan# 202  
 Delta R.T. -0.012 min  
 Lab File: VX039292.D  
 Acq: 16 Dec 2023 15:53

Tgt Ion:101 Resp: 4284  
 Ion Ratio Lower Upper  
 101 100  
 85 33.3 35.8 53.6#  
 151 45.5 55.4 83.2#





#12

1,1-Dichloroethene

Concen: 115.675 ug/L m

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX039292.D

Acq: 16 Dec 2023 15:53

Instrument :

MSVOA\_X

ClientSampleId :

YCHE5

Tgt Ion: 96 Resp: 16357

Ion Ratio Lower Upper

96 100

61 180.9 128.0 237.6

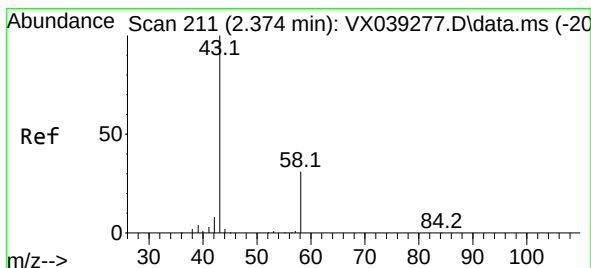
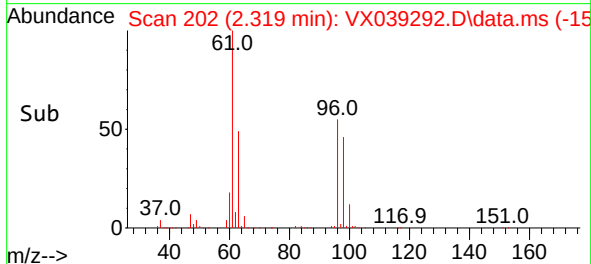
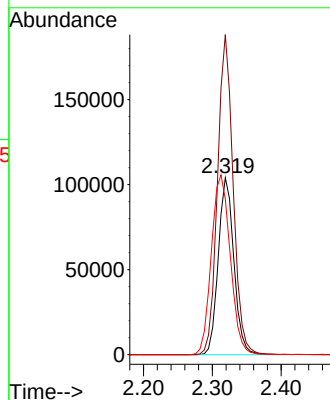
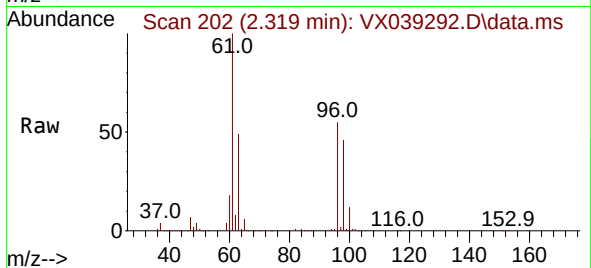
63 88.0 101.5 188.5

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2023

Supervised By :Semsettin Yesilyurt 12/18/2023



#13

Acetone

Concen: 60.804 ug/L

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039292.D

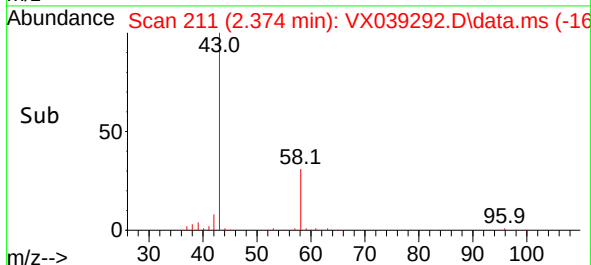
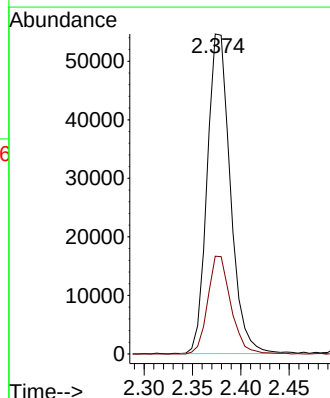
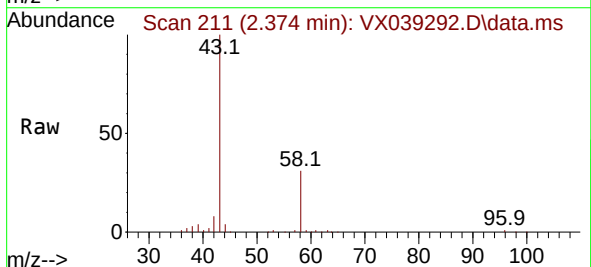
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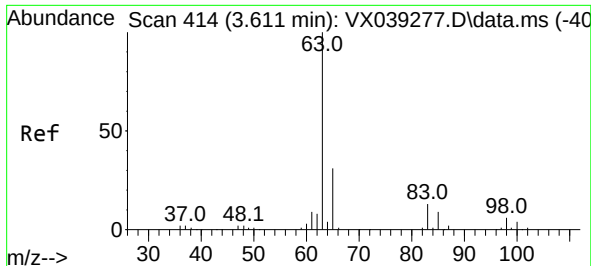
Tgt Ion: 43 Resp: 91035

Ion Ratio Lower Upper

43 100

58 30.4 0.0 65.8





#19

1,1-Dichloroethane

Concen: 5.110 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX039292.D

Acq: 16 Dec 2023 15:53

Instrument :

MSVOA\_X

ClientSampleId :

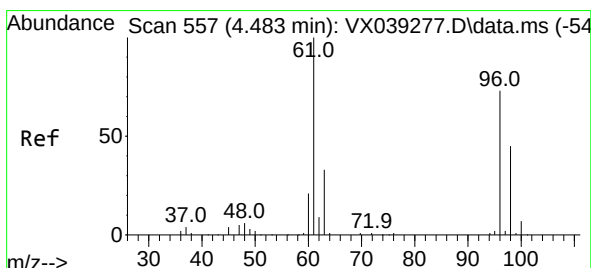
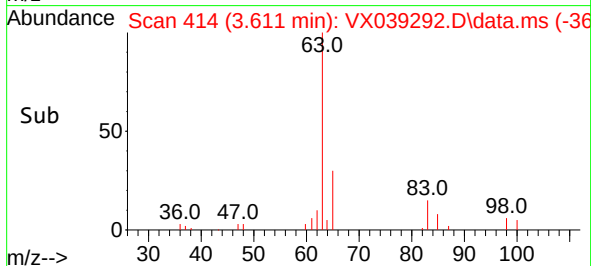
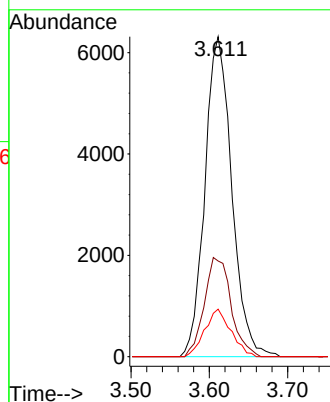
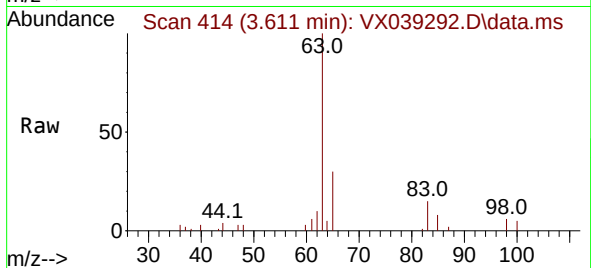
YCHE5

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 1505  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 29.9     | 21.1 39.3   |
| 83 14.8     | 9.7 17.9    |

Manual Integrations

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Reviewed By :Mahesh Dadoda 12/18/2023  
Supervised By :Semsettin Yesilyurt 12/18/2023



#20

cis-1,2-Dichloroethene

Concen: 9.600 ug/L

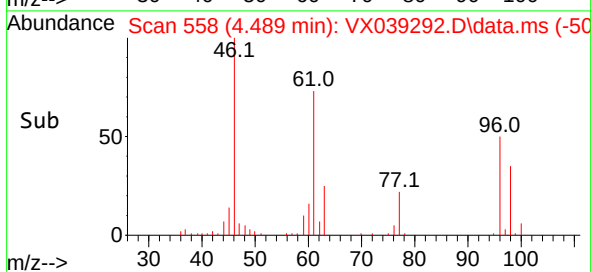
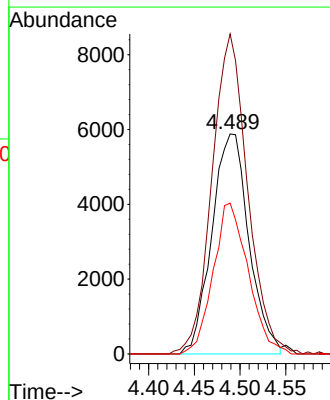
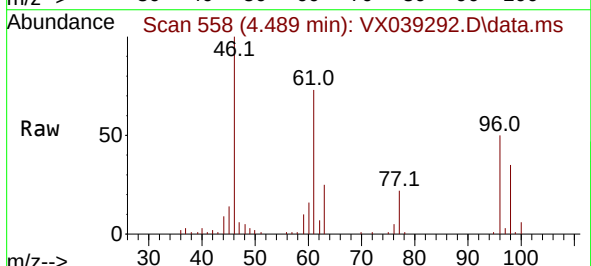
RT: 4.489 min Scan# 558

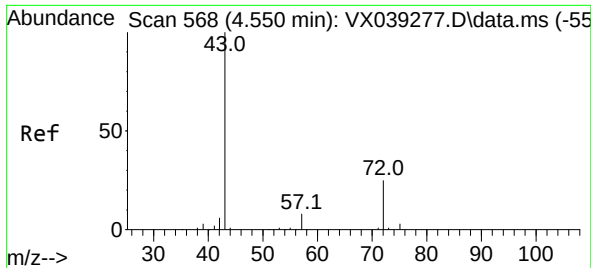
Delta R.T. 0.006 min

Lab File: VX039292.D

Acq: 16 Dec 2023 15:53

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 16591 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 145.4    | 91.7 170.3  |
| 98 68.6     | 44.2 82.2   |





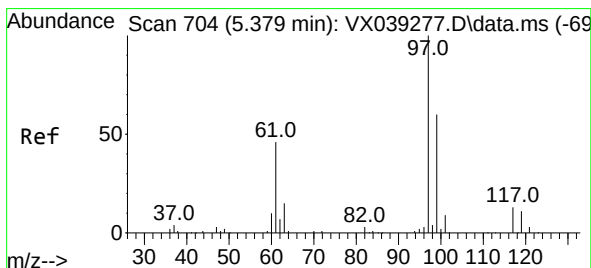
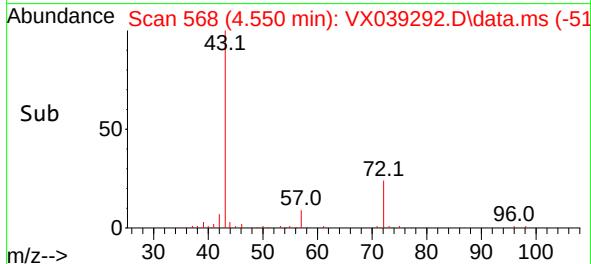
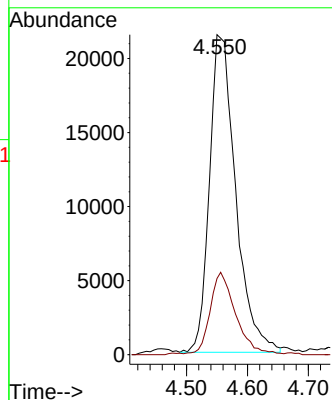
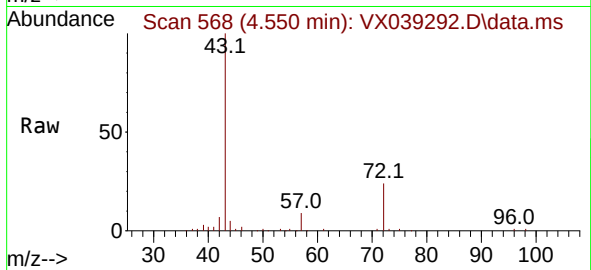
#22  
2-Butanone  
Concen: 34.916 ug/L  
RT: 4.550 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: VX039292.D  
Acq: 16 Dec 2023 15:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
YCHE5

Tgt Ion: 43 Resp: 64150  
Ion Ratio Lower Upper  
43 100  
72 25.3 12.6 37.6

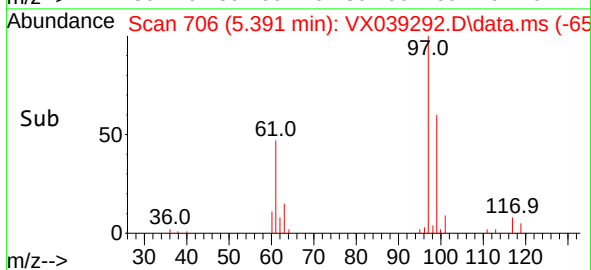
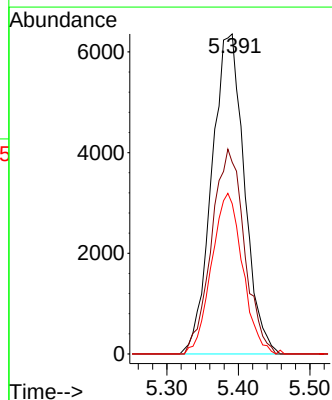
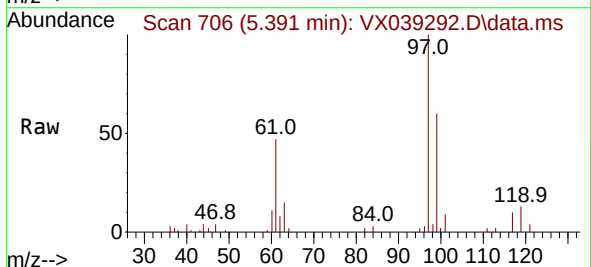
Manual Integrations  
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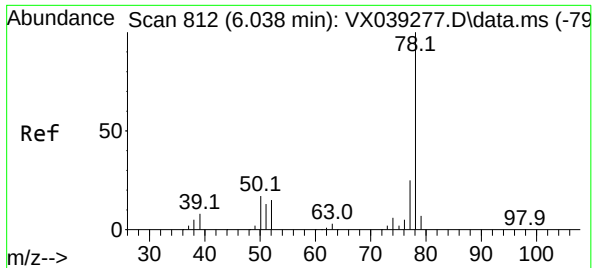
Reviewed By :Mahesh Dadoda 12/18/2023  
Supervised By :Semsettin Yesilyurt 12/18/2023



#30  
1,1,1-Trichloroethane  
Concen: 8.093 ug/L  
RT: 5.391 min Scan# 706  
Delta R.T. 0.018 min  
Lab File: VX039292.D  
Acq: 16 Dec 2023 15:53

Tgt Ion: 97 Resp: 20087  
Ion Ratio Lower Upper  
97 100  
99 64.6 51.0 76.4  
61 47.8 36.7 55.1





#33

Benzene

Concen: 0.808 ug/L

RT: 6.044 min Scan# 812

Delta R.T. 0.012 min

Lab File: VX039292.D

Acq: 16 Dec 2023 15:53

Instrument :

MSVOA\_X

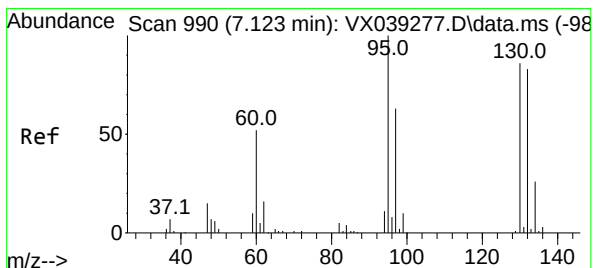
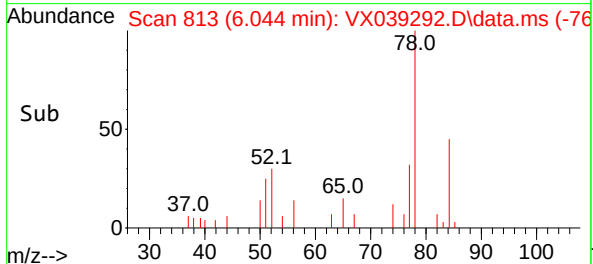
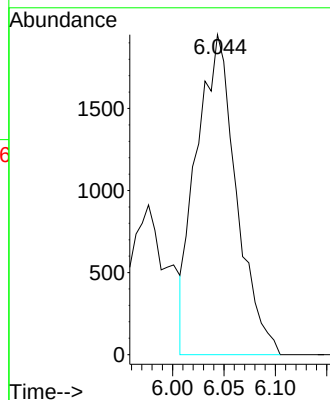
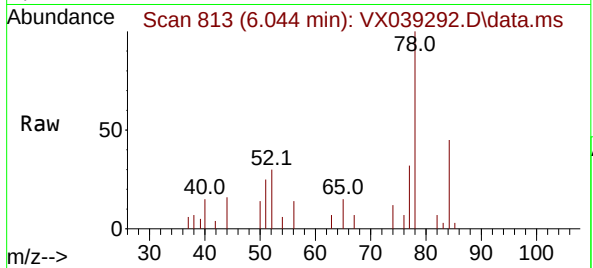
ClientSampleId :

YCHE5

Tgt Ion: 78 Resp: 525

Manual Integrations  
APPROVED

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Supervised By :Semsettin Yesilyurt 12/18/2023



#34

Trichloroethene

Concen: 7.149 ug/L

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX039292.D

Acq: 16 Dec 2023 15:53

Tgt Ion: 95 Resp: 12281

Ion Ratio Lower Upper

95 100

97 57.3 45.5 84.5

132 84.0 62.2 115.4

130 82.1 67.0 124.4

