

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121623\  
 Data File : VX039246.D  
 Acq On : 15 Dec 2023 22:11  
 Operator : JC/MD  
 Sample : 05844-17  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHH5

Quant Time: Dec 16 01:53:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML120523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 12 03:50:51 2023  
 Response via : Initial Calibration

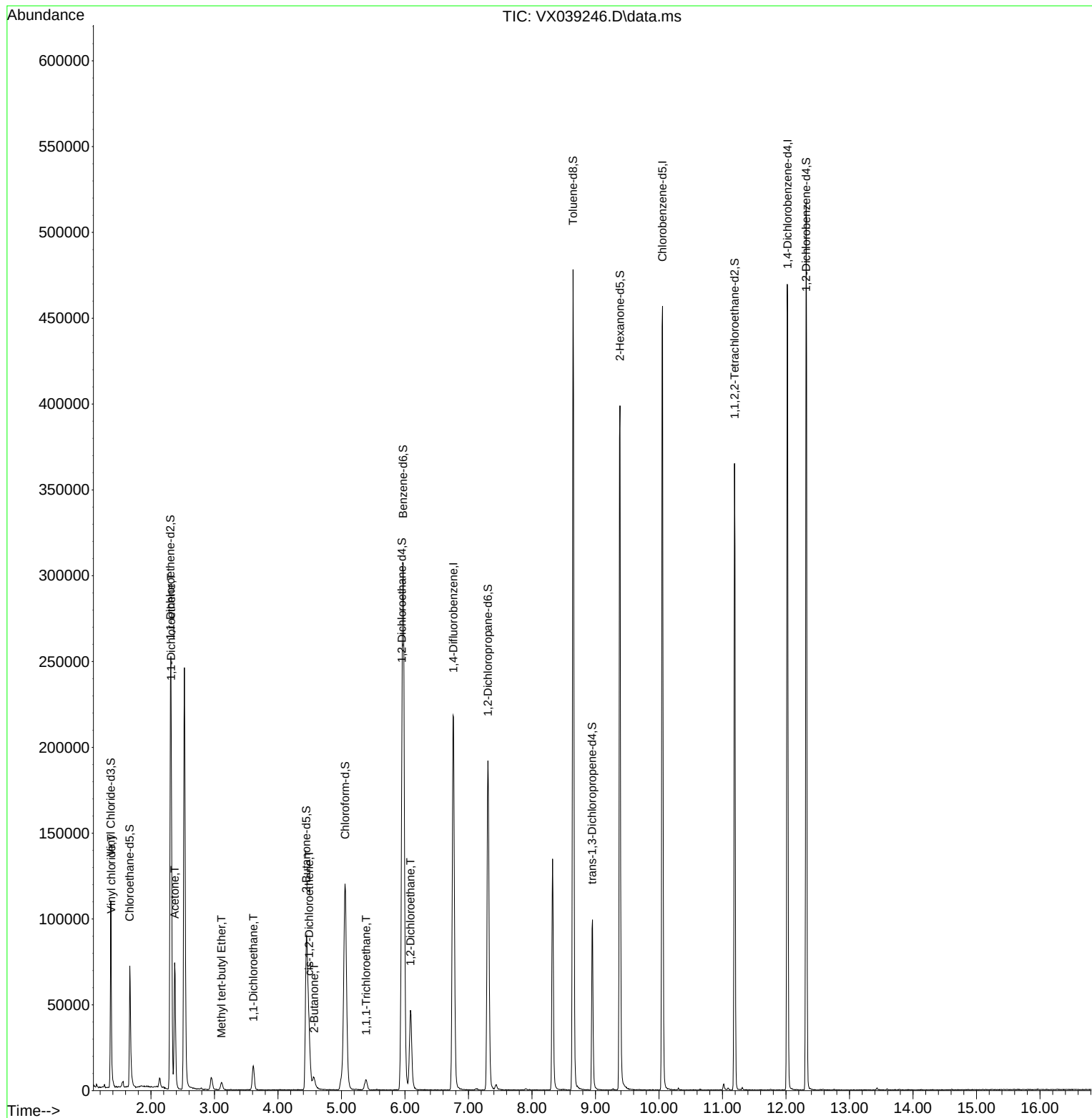
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.763   | 114   | 213132   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 195811   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 91295    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 65189    | 38.996   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 78.000%  |
| 7) Chloroethane-d5            | 1.666   | 69    | 52107    | 42.171   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 84.340%  |
| 11) 1,1-Dichloroethene-d2     | 2.307   | 65    | 34857    | 47.501   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.000%  |
| 21) 2-Butanone-d5             | 4.446   | 46    | 157410   | 104.024  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 104.020% |
| 24) Chloroform-d              | 5.056   | 84    | 147223   | 49.750   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.500%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 105666   | 55.134   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 110.260% |
| 32) Benzene-d6                | 5.971   | 84    | 297740   | 49.269   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.540%  |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 97197    | 49.978   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 99.960%  |
| 41) Toluene-d8                | 8.647   | 98    | 268571   | 49.041   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.080%  |
| 43) trans-1,3-Dichloroprop... | 8.946   | 79    | 45197    | 45.668   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 91.340%  |
| 47) 2-Hexanone-d5             | 9.385   | 63    | 112244   | 96.632   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 96.630%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 140875   | 51.062   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 102.120% |
| 66) 1,2-Dichlorobenzene-d4    | 12.317  | 152   | 92140    | 53.395   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 106.780% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.374   | 62    | 3779     | 2.158    | ug/L # | 77       |
| 12) 1,1-Dichloroethene        | 2.319   | 96    | 34628    | 25.220   | ug/L # | 68       |
| 13) Acetone                   | 2.374   | 43    | 74750    | 51.421   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 4158     | 0.826    | ug/L # | 89       |
| 19) 1,1-Dichloroethane        | 3.611   | 63    | 15575    | 5.445    | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 4.489   | 96    | 13653    | 8.137    | ug/L   | 98       |
| 22) 2-Butanone                | 4.568   | 43    | 12693    | 7.115    | ug/L   | 85       |
| 27) 1,2-Dichloroethane        | 6.086   | 62    | 49921    | 22.169   | ug/L # | 93       |
| 30) 1,1,1-Trichloroethane     | 5.385   | 97    | 5789     | 2.437    | ug/L   | 96       |
| -----                         |         |       |          |          |        |          |

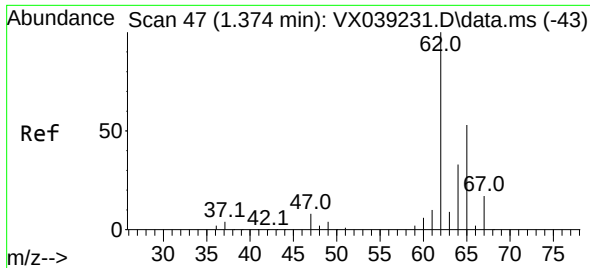
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Dec 12 03:50:51 2023  
Response via : Initial Calibration

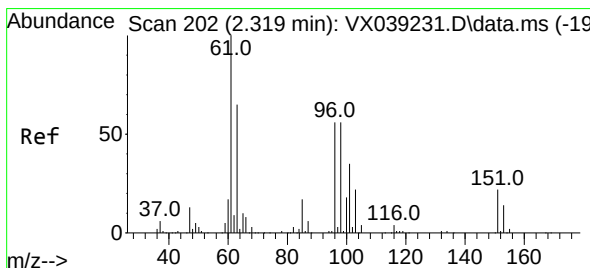
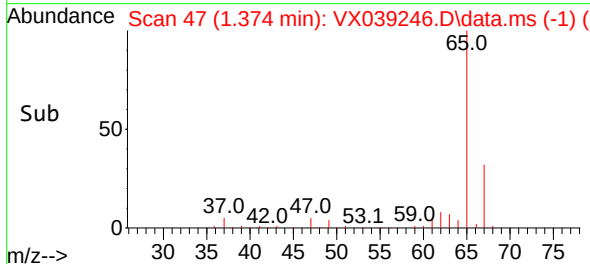
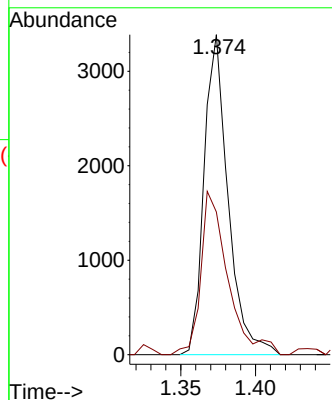
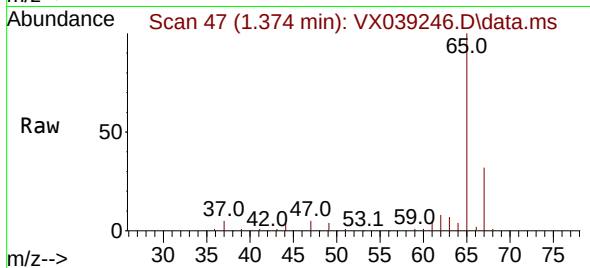




#5  
 Vinyl chloride  
 Concen: 2.158 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX039246.D  
 Acq: 15 Dec 2023 22:11

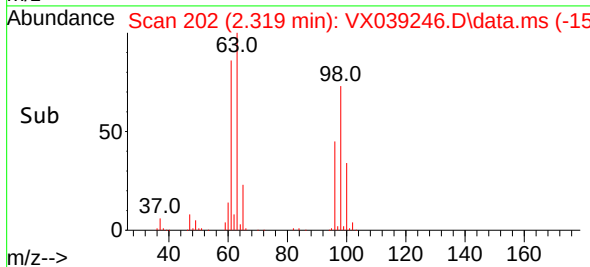
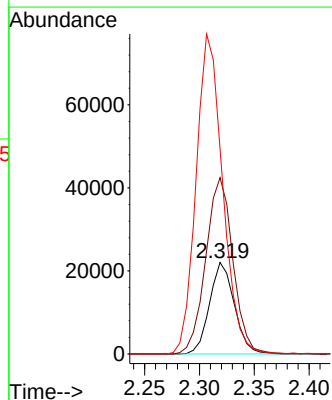
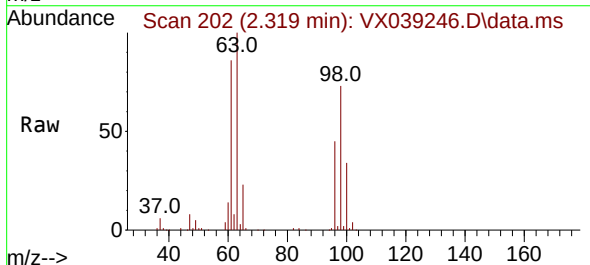
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHH5

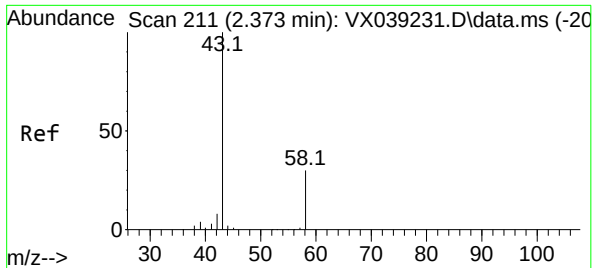
Tgt Ion: 62 Resp: 3779  
 Ion Ratio Lower Upper  
 62 100  
 64 44.6 22.3 41.3#



#12  
 1,1-Dichloroethene  
 Concen: 25.220 ug/L  
 RT: 2.319 min Scan# 202  
 Delta R.T. -0.000 min  
 Lab File: VX039246.D  
 Acq: 15 Dec 2023 22:11

Tgt Ion: 96 Resp: 34628  
 Ion Ratio Lower Upper  
 96 100  
 61 192.7 128.0 237.6  
 63 224.5 101.5 188.5#





#13

Acetone

Concen: 51.421 ug/L

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX039246.D

Acq: 15 Dec 2023 22:11

Instrument :

MSVOA\_X

ClientSampleId :

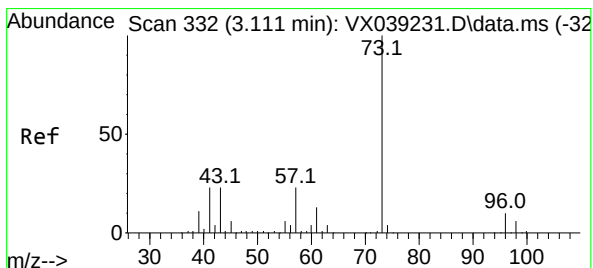
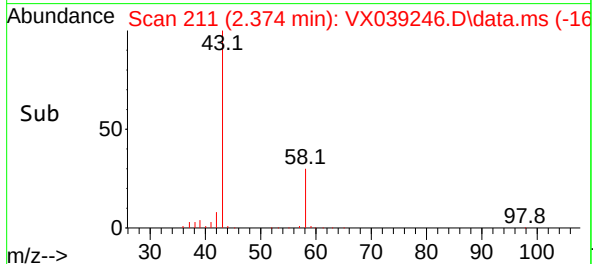
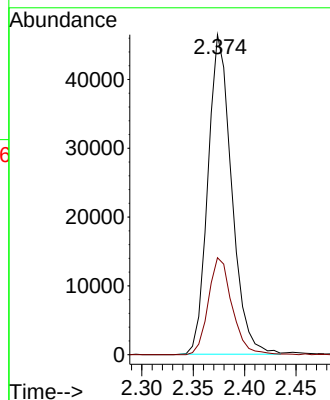
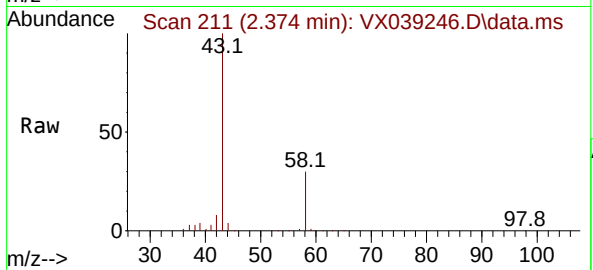
YCHH5

Tgt Ion: 43 Resp: 74750

Ion Ratio Lower Upper

43 100

58 30.3 0.0 65.8



#18

Methyl tert-butyl Ether

Concen: 0.826 ug/L

RT: 3.111 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX039246.D

Acq: 15 Dec 2023 22:11

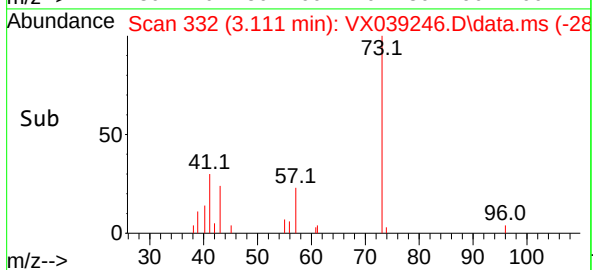
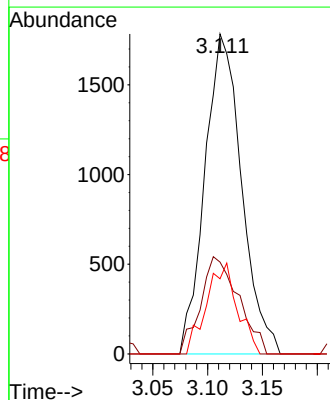
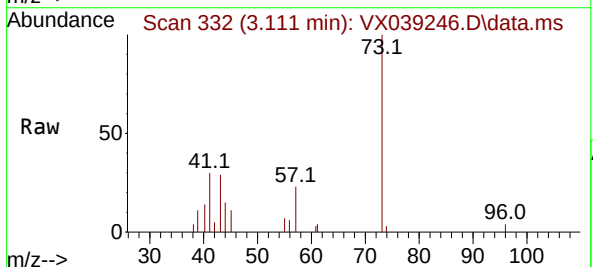
Tgt Ion: 73 Resp: 4158

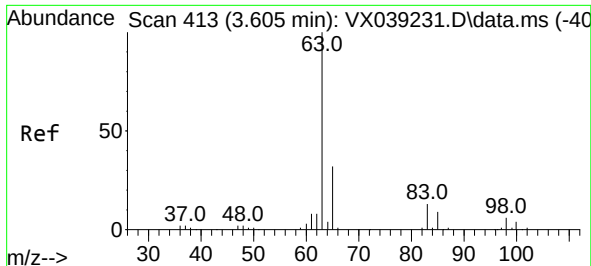
Ion Ratio Lower Upper

73 100

43 31.3 16.9 25.3#

57 23.8 18.5 27.7





#19

1,1-Dichloroethane

Concen: 5.445 ug/L

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX039246.D

Acq: 15 Dec 2023 22:11

Instrument :

MSVOA\_X

ClientSampleId :

YCHH5

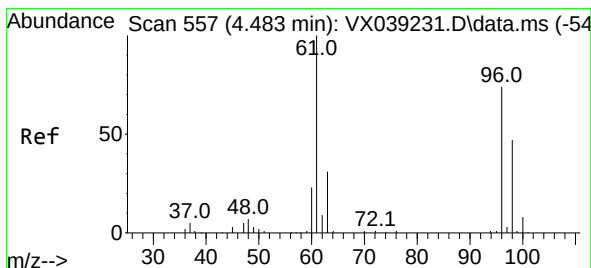
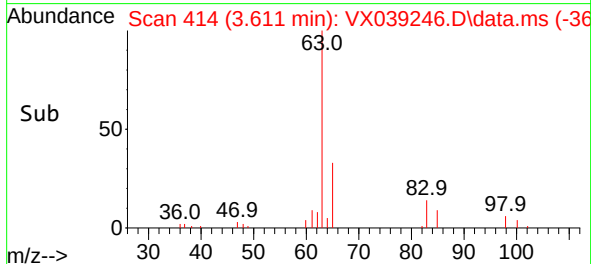
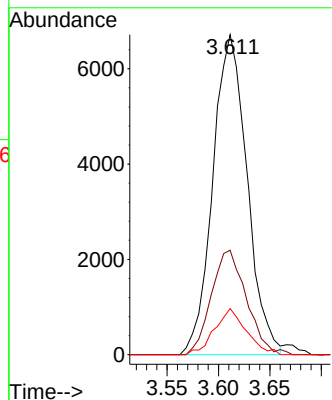
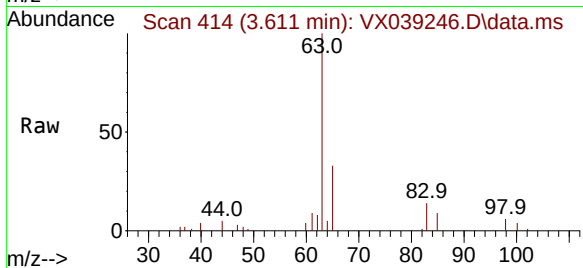
Tgt Ion: 63 Resp: 15575

Ion Ratio Lower Upper

63 100

65 32.7 21.1 39.3

83 14.4 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 8.137 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX039246.D

Acq: 15 Dec 2023 22:11

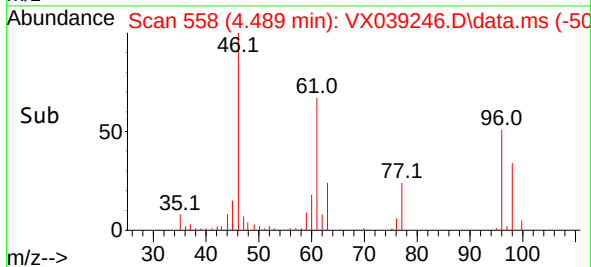
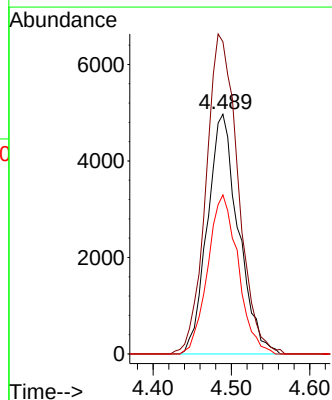
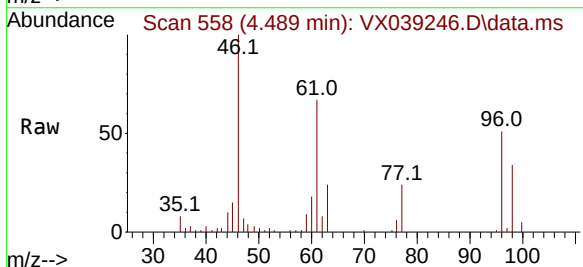
Tgt Ion: 96 Resp: 13653

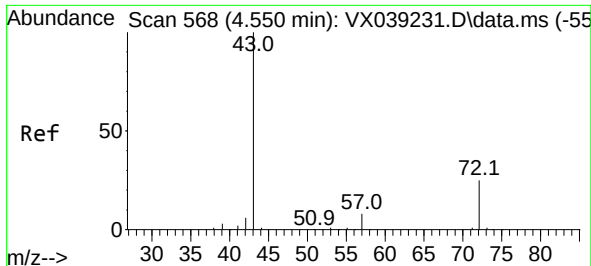
Ion Ratio Lower Upper

96 100

61 130.3 91.7 170.3

98 66.4 44.2 82.2

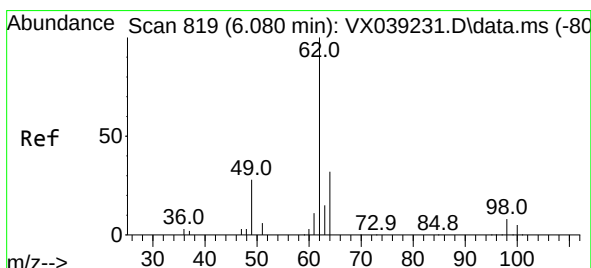
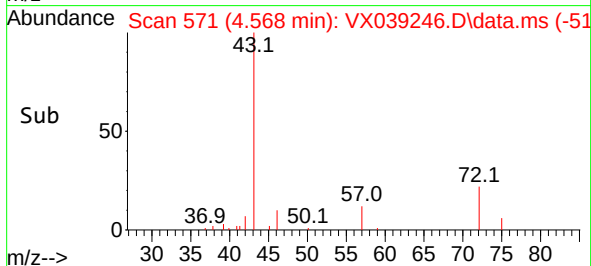
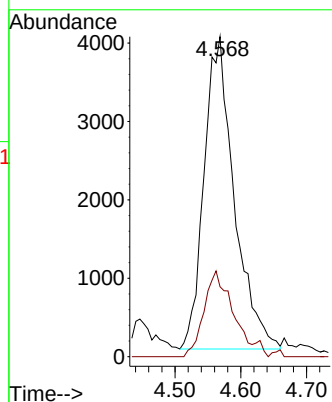
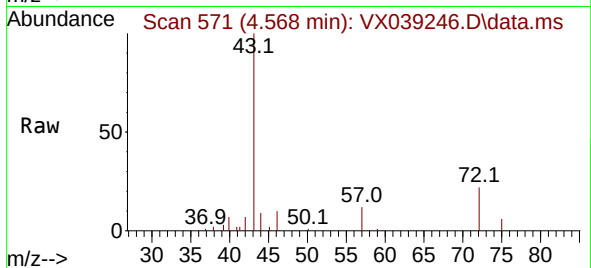




#22  
2-Butanone  
Concen: 7.115 ug/L  
RT: 4.568 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: VX039246.D  
Acq: 15 Dec 2023 22:11

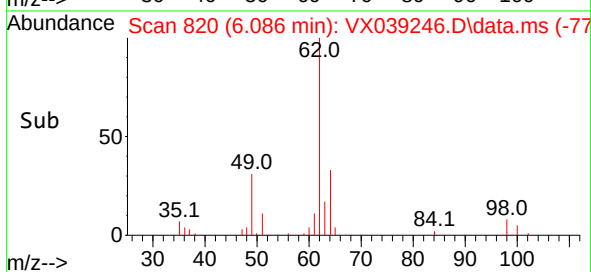
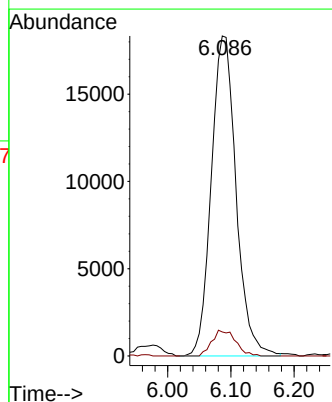
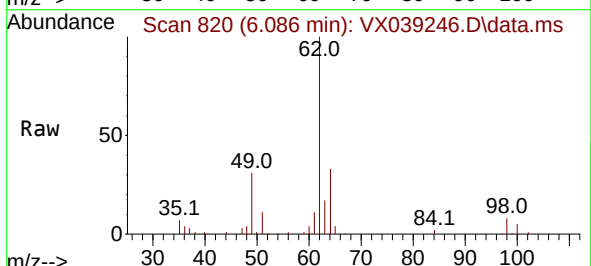
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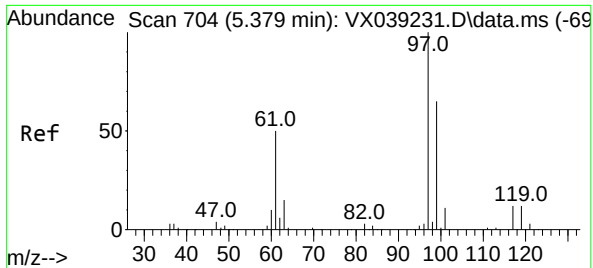
Tgt Ion: 43 Resp: 12693  
Ion Ratio Lower Upper  
43 100  
72 17.4 12.6 37.6



#27  
1,2-Dichloroethane  
Concen: 22.169 ug/L  
RT: 6.086 min Scan# 820  
Delta R.T. 0.006 min  
Lab File: VX039246.D  
Acq: 15 Dec 2023 22:11

Tgt Ion: 62 Resp: 49921  
Ion Ratio Lower Upper  
62 100  
98 7.5 8.0 12.0#





#30  
 1,1,1-Trichloroethane  
 Concen: 2.437 ug/L  
 RT: 5.385 min Scan# 70  
 Delta R.T. 0.012 min  
 Lab File: VX039246.D  
 Acq: 15 Dec 2023 22:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 YCHH5

Tgt Ion: 97 Resp: 5789  
 Ion Ratio Lower Upper  
 97 100  
 99 60.1 51.0 76.4  
 61 47.7 36.7 55.1

