

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111922\  
 Data File : VW029196.D  
 Acq On : 20 Nov 2022 01:44  
 Operator : SY/MD  
 Sample : N5648-14DL 10X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H46E1DL

Quant Time: Nov 20 04:31:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sun Nov 20 03:53:06 2022  
 Response via : Initial Calibration

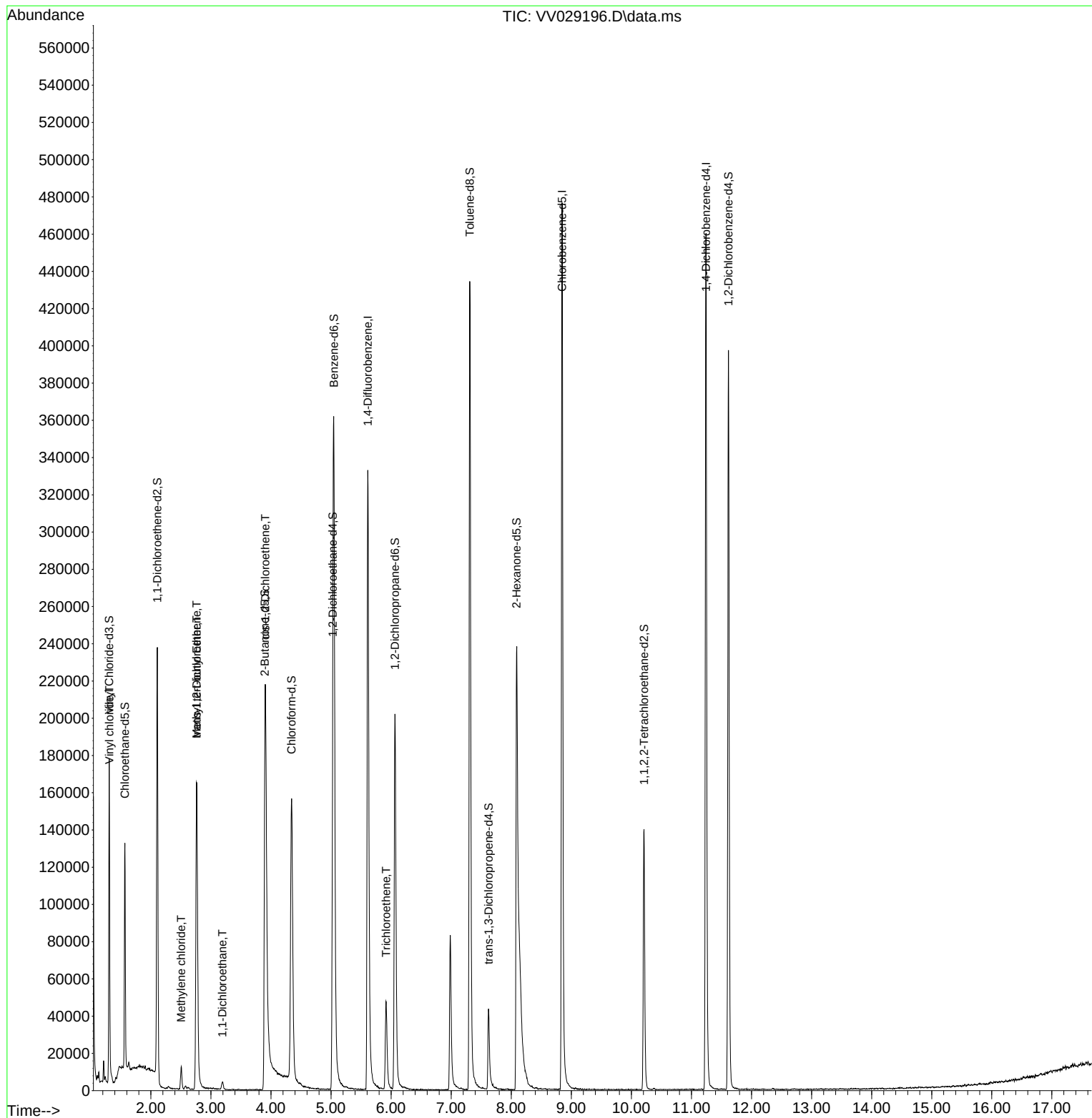
| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| -----                         |        |                |          |        |         |          |
| Internal Standards            |        |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114            | 315594   | 5.000  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117            | 288063   | 5.000  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.243 | 152            | 134771   | 5.000  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65             | 94105    | 4.891  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 97.800% |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 77878    | 4.604  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 92.000% |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 121475   | 3.465  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 69.200% |          |
| 20) 2-Butanone-d5             | 3.899  | 46             | 101579   | 31.539 | ug/L    | -0.02    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 63.080% |          |
| 24) Chloroform-d              | 4.343  | 84             | 168341   | 4.262  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 85.200% |          |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65             | 76582    | 4.309  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 86.200% |          |
| 32) Benzene-d6                | 5.047  | 84             | 362504   | 4.216  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.400% |          |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67             | 105825   | 4.408  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 88.200% |          |
| 41) Toluene-d8                | 7.310  | 98             | 313536   | 4.051  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 81.000% |          |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79             | 30800    | 3.933  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 78.600% |          |
| 46) 2-Hexanone-d5             | 8.088  | 63             | 138945   | 41.569 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 83.140% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.211 | 84             | 74534    | 4.477  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 89.600% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.616 | 152            | 113148   | 4.693  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 93.800% |          |
| Target Compounds              |        |                |          |        |         |          |
|                               |        |                |          |        | Qvalue  |          |
| 5) Vinyl chloride             | 1.311  | 62             | 14768    | 0.593  | ug/L    | # 80     |
| 16) Methylene chloride        | 2.507  | 84             | 4932     | 0.200  | ug/L    | 93       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73             | 126228   | 3.082  | ug/L    | 98       |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96             | 21806    | 0.984  | ug/L    | 97       |
| 19) 1,1-Dichloroethane        | 3.192  | 63             | 4695     | 0.130  | ug/L    | 92       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96             | 101562   | 4.509  | ug/L    | 100      |
| 34) Trichloroethene           | 5.915  | 95             | 18440    | 0.818  | ug/L    | 97       |
| -----                         |        |                |          |        |         |          |

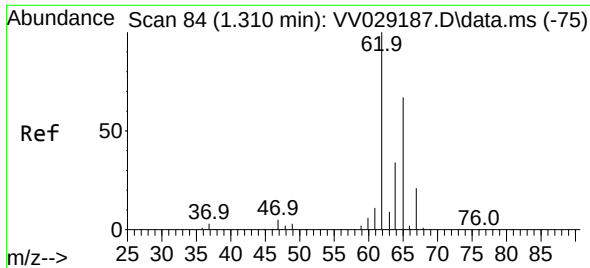
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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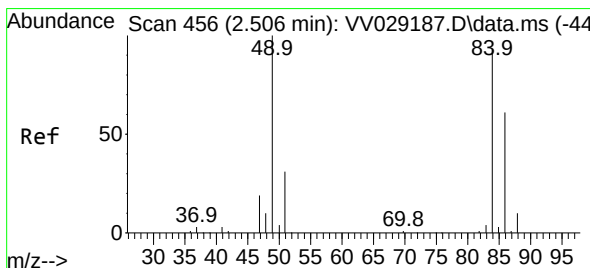
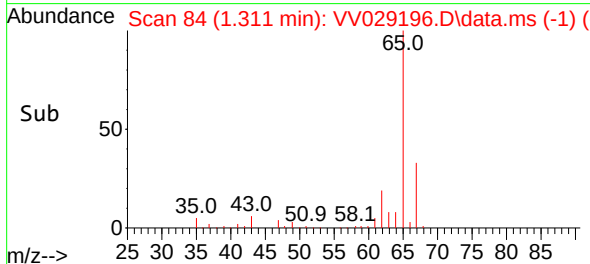
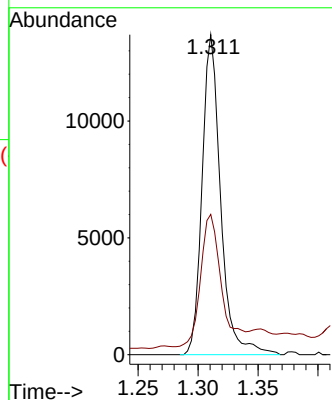
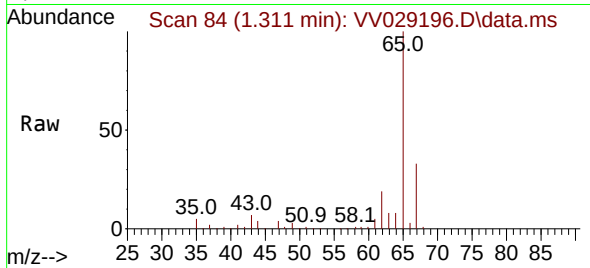




#5  
 Vinyl chloride  
 Concen: 0.593 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV029196.D  
 Acq: 20 Nov 2022 01:44

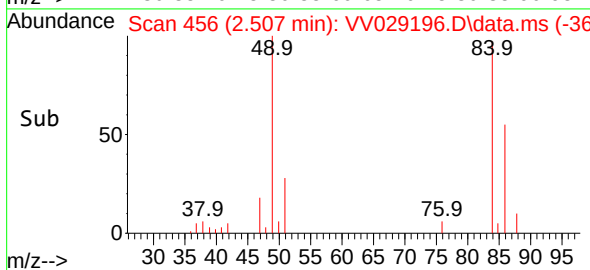
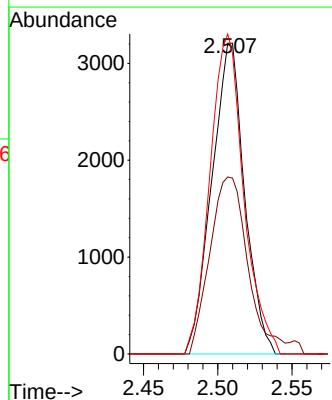
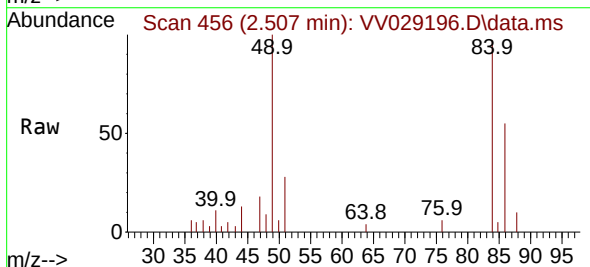
Instrument :  
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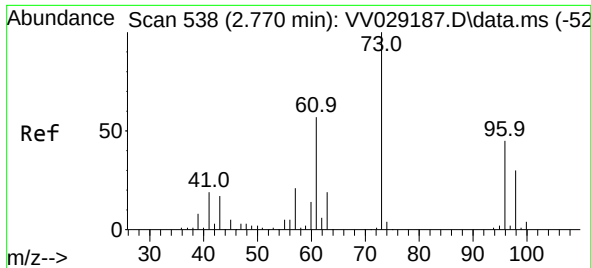
Tgt Ion: 62 Resp: 14768  
 Ion Ratio Lower Upper  
 62 100  
 64 43.8 22.8 42.4#



#16  
 Methylene chloride  
 Concen: 0.200 ug/L  
 RT: 2.507 min Scan# 456  
 Delta R.T. 0.000 min  
 Lab File: VV029196.D  
 Acq: 20 Nov 2022 01:44

Tgt Ion: 84 Resp: 4932  
 Ion Ratio Lower Upper  
 84 100  
 86 56.9 45.8 85.0  
 49 103.0 75.5 140.1

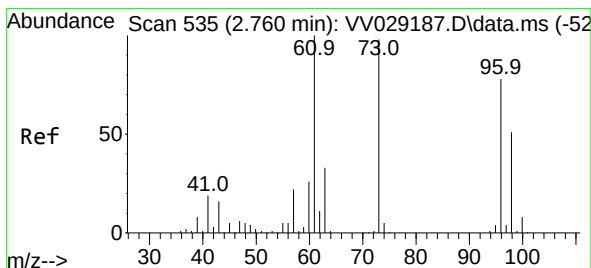
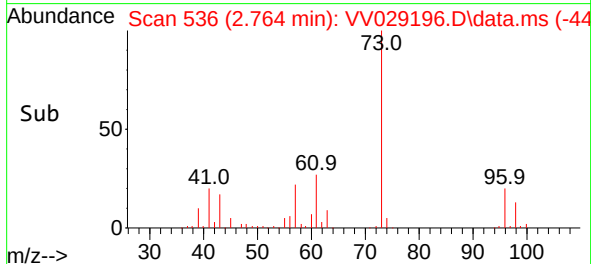
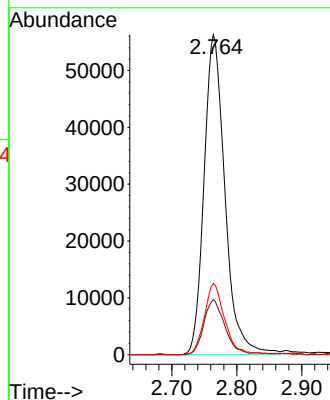
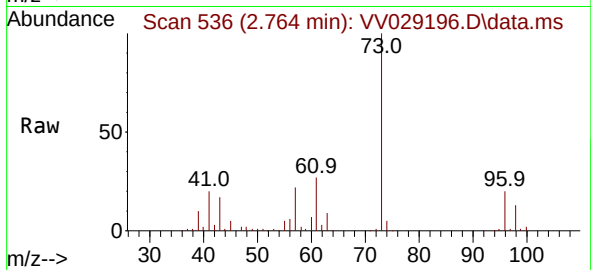




#17  
Methyl tert-butyl Ether  
Concen: 3.082 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VV029196.D  
Acq: 20 Nov 2022 01:44

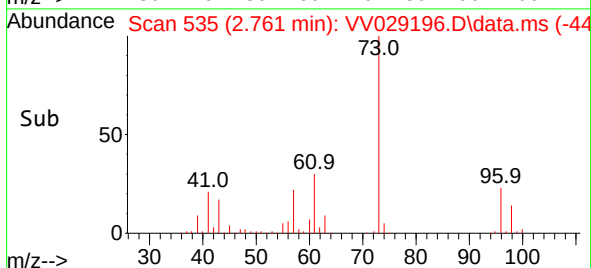
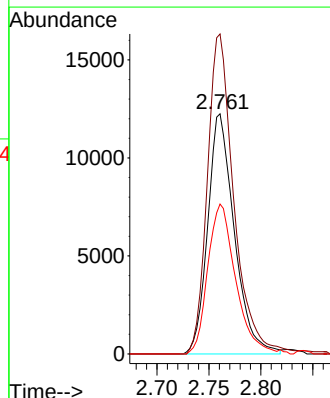
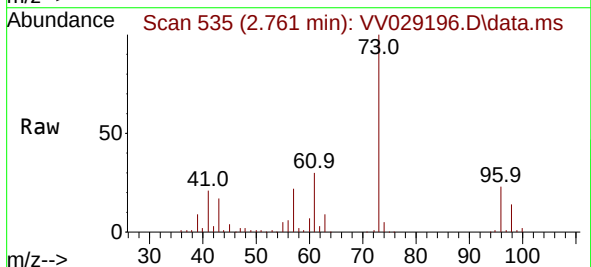
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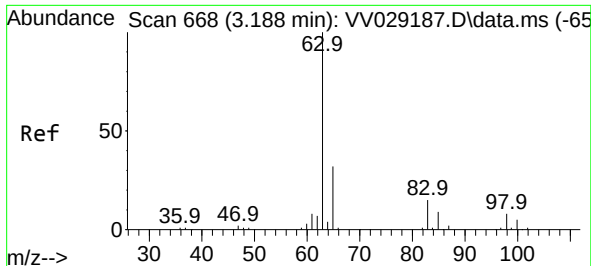
Tgt Ion: 73 Resp: 126228  
Ion Ratio Lower Upper  
73 100  
43 17.2 13.0 19.4  
57 21.6 16.6 24.8



#18  
trans-1,2-Dichloroethene  
Concen: 0.984 ug/L  
RT: 2.761 min Scan# 535  
Delta R.T. 0.000 min  
Lab File: VV029196.D  
Acq: 20 Nov 2022 01:44

Tgt Ion: 96 Resp: 21806  
Ion Ratio Lower Upper  
96 100  
61 133.2 91.8 170.6  
98 62.5 46.4 86.2





#19

1,1-Dichloroethane

Concen: 0.130 ug/L

RT: 3.192 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029196.D

Acq: 20 Nov 2022 01:44

Instrument :

MSVOA\_V

ClientSampleId :

H46E1DL

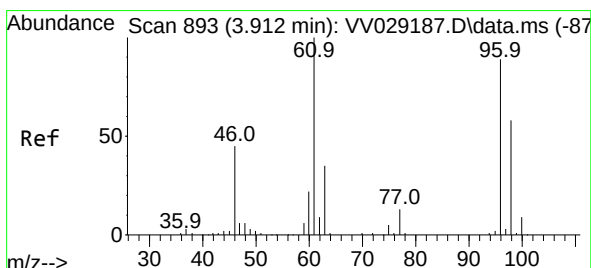
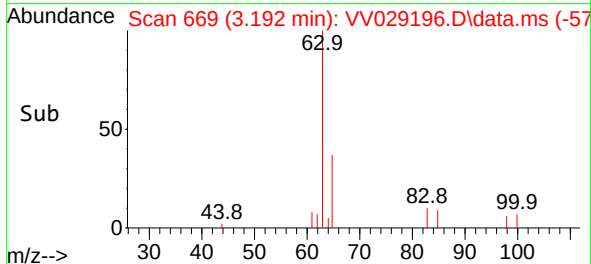
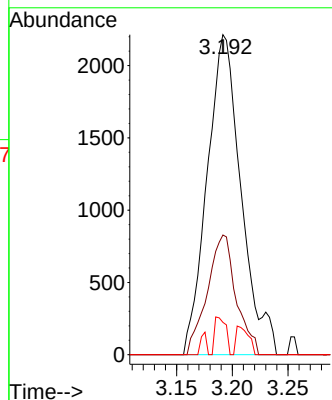
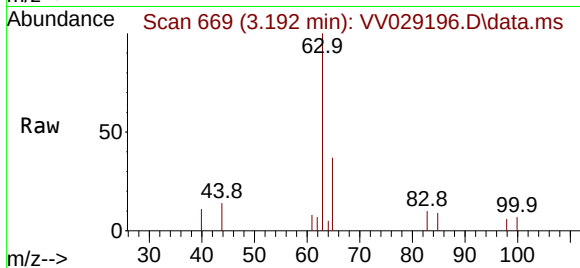
Tgt Ion: 63 Resp: 4695

Ion Ratio Lower Upper

63 100

65 37.4 23.0 42.6

83 10.1 9.4 17.6



#22

cis-1,2-Dichloroethene

Concen: 4.509 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.006 min

Lab File: VV029196.D

Acq: 20 Nov 2022 01:44

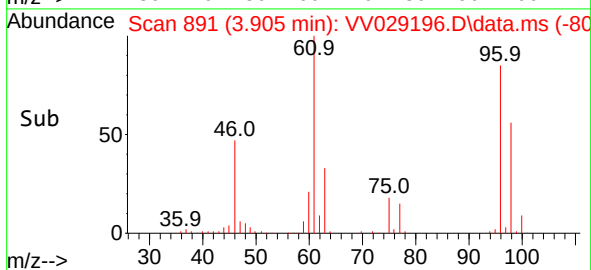
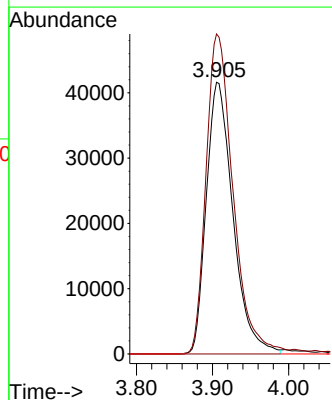
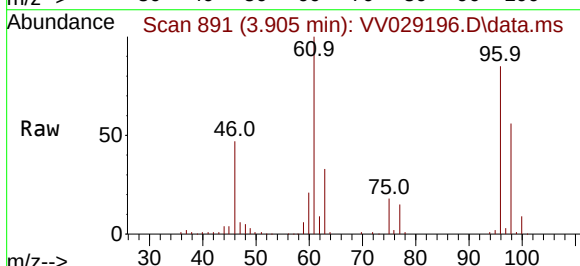
Tgt Ion: 96 Resp: 101562

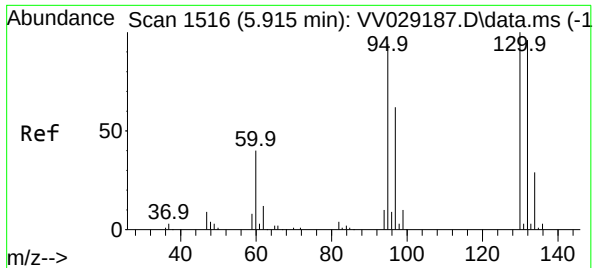
Ion Ratio Lower Upper

96 100

61 117.8 82.3 152.9

68 0.0 0.0 0.0





#34  
 Trichloroethene  
 Concen: 0.818 ug/L  
 RT: 5.915 min Scan# 11  
 Delta R.T. 0.000 min  
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Tgt Ion: 95 Resp: 18440

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 71.2  | 45.6  | 84.8  |
| 132 | 96.8  | 69.1  | 128.3 |
| 130 | 107.9 | 74.9  | 139.1 |

