

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090524\  
 Data File : VU060630.D  
 Acq On : 05 Sep 2024 17:09  
 Operator : MD/SY  
 Sample : P3809-08DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YE3E3DL

Quant Time: Sep 06 02:07:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR082324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 06 02:03:06 2024  
 Response via : Initial Calibration

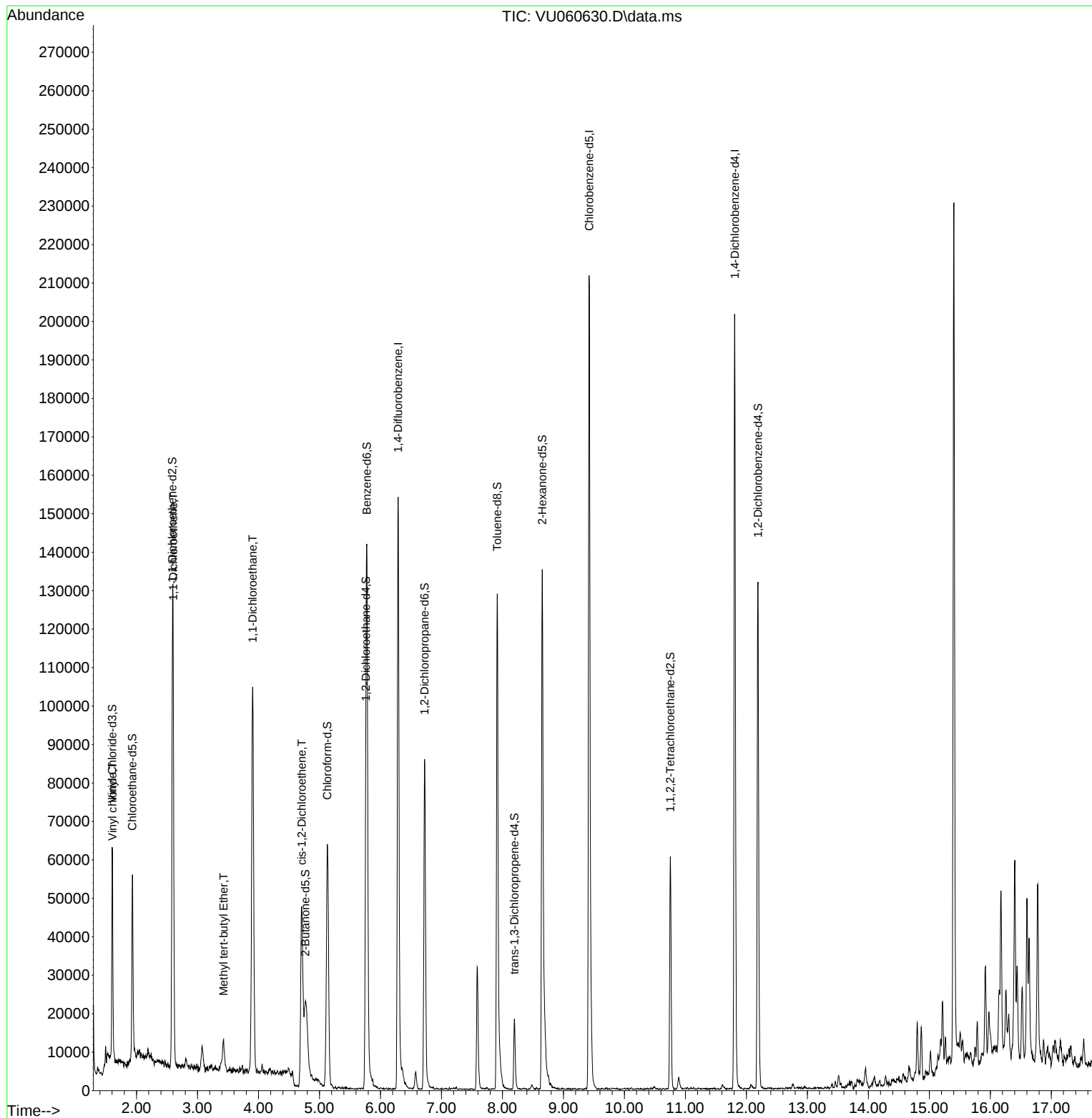
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.290  | 114            | 126299   | 5.000  | ug/L     | 0.04     |
| 28) Chlorobenzene-d5          | 9.421  | 117            | 134027   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.810 | 152            | 57804    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.602  | 65             | 33887    | 6.075  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 121.400% |          |
| 7) Chloroethane-d5            | 1.933  | 69             | 35317    | 4.179  | ug/L     | 0.02     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 83.600%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.589  | 65             | 15627    | 4.753  | ug/L     | 0.03     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 95.000%  |          |
| 20) 2-Butanone-d5             | 4.769  | 46             | 66122    | 34.469 | ug/L     | 0.13     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 68.940%  |          |
| 24) Chloroform-d              | 5.129  | 84             | 68632    | 4.315  | ug/L     | 0.07     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 86.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.759  | 65             | 33606    | 4.049  | ug/L     | 0.06     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 81.000%  |          |
| 32) Benzene-d6                | 5.779  | 84             | 124204   | 4.238  | ug/L     | 0.06     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 84.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.724  | 67             | 42167    | 4.459  | ug/L     | 0.04     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 89.200%  |          |
| 41) Toluene-d8                | 7.913  | 98             | 98980    | 3.600  | ug/L     | 0.02     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 72.000%  |          |
| 43) trans-1,3-Dichloroprop... | 8.196  | 79             | 11621    | 3.434  | ug/L     | 0.02     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 68.600%  |          |
| 46) 2-Hexanone-d5             | 8.653  | 63             | 51702    | 31.913 | ug/L     | 0.02     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 63.820%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 31979    | 3.801  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 76.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 36309    | 4.260  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 85.200%  |          |
| Target Compounds              |        |                |          |        |          |          |
| 5) Vinyl chloride             | 1.608  | 62             | 5500     | 0.450  | ug/L #   | 56       |
| 12) 1,1-Dichloroethene        | 2.602  | 96             | 23717    | 2.291  | ug/L #   | 79       |
| 17) Methyl tert-butyl Ether   | 3.425  | 73             | 8939     | 0.426  | ug/L     | 93       |
| 19) 1,1-Dichloroethane        | 3.904  | 63             | 113714   | 6.227  | ug/L     | 93       |
| 22) cis-1,2-Dichloroethene    | 4.711  | 96             | 25677    | 2.557  | ug/L     | 90       |

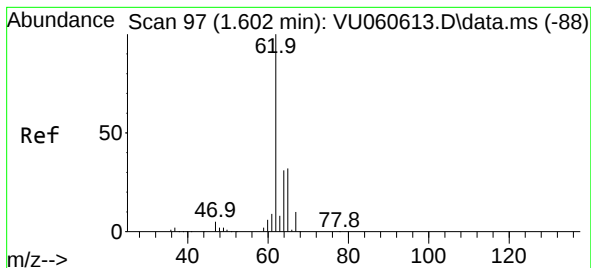
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090524\  
Data File : VU060630.D  
Acq On : 05 Sep 2024 17:09  
Operator : MD/SY  
Sample : P3809-08DL 5X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
YE3E3DL

Quant Time: Sep 06 02:07:33 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR082324WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Sep 06 02:03:06 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.450 ug/L

RT: 1.608 min Scan# 99

Delta R.T. 0.006 min

Lab File: VU060630.D

Acq: 05 Sep 2024 17:09

Instrument :

MSVOA\_U

ClientSampleId :

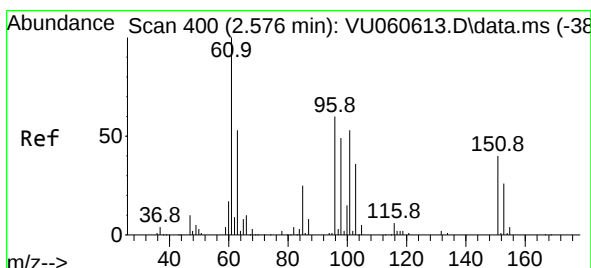
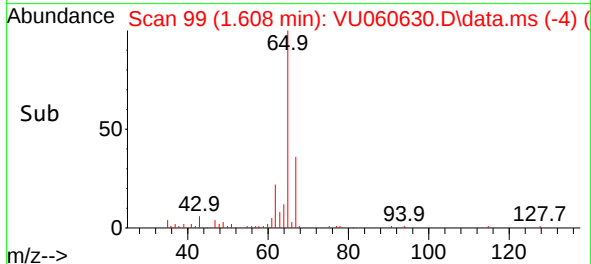
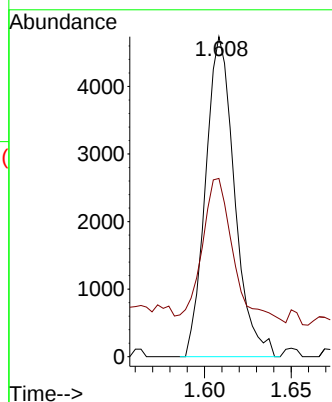
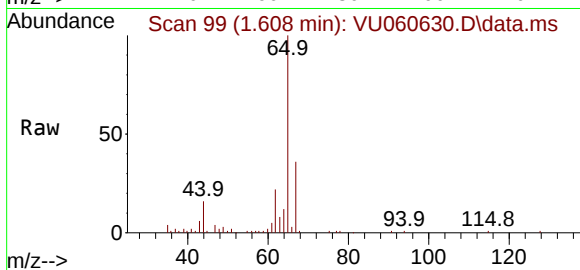
YE3E3DL

Tgt Ion: 62 Resp: 5500

Ion Ratio Lower Upper

62 100

64 55.7 22.0 40.8#



#12

1,1-Dichloroethene

Concen: 2.291 ug/L

RT: 2.602 min Scan# 408

Delta R.T. 0.026 min

Lab File: VU060630.D

Acq: 05 Sep 2024 17:09

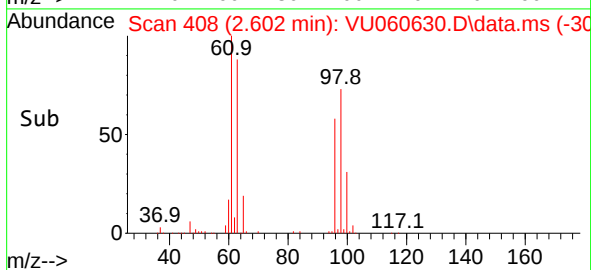
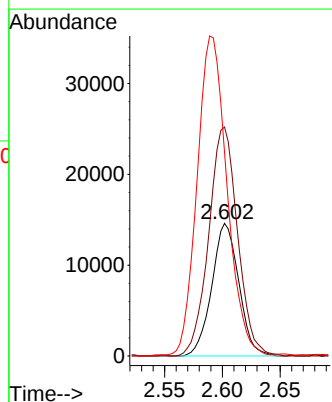
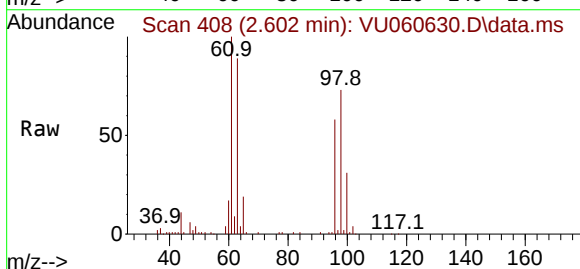
Tgt Ion: 96 Resp: 23717

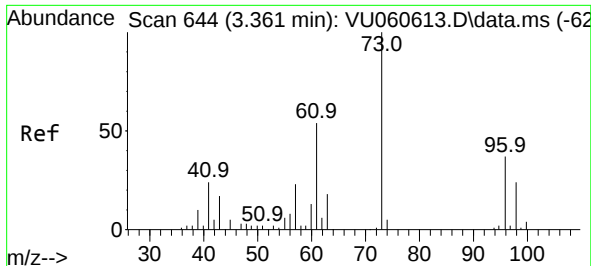
Ion Ratio Lower Upper

96 100

61 172.6 116.4 216.2

63 153.8 74.8 139.0#





#17

Methyl tert-butyl Ether

Concen: 0.426 ug/L

RT: 3.425 min Scan# 6

Delta R.T. 0.064 min

Lab File: VU060630.D

Acq: 05 Sep 2024 17:09

Instrument :

MSVOA\_U

ClientSampleId :

YE3E3DL

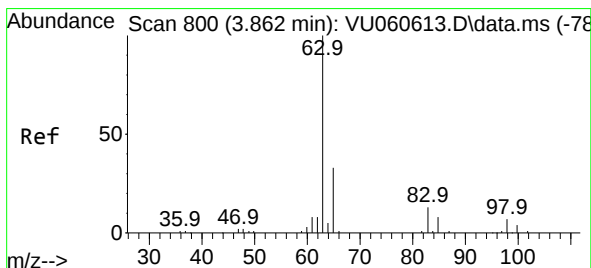
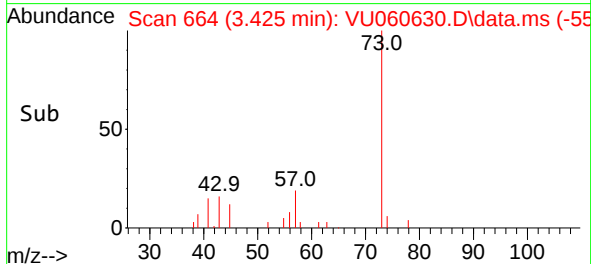
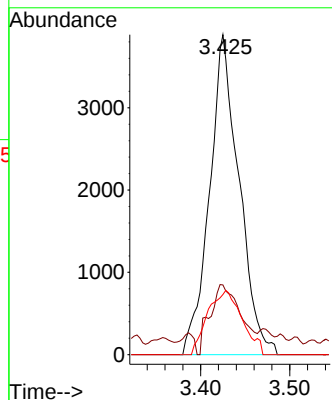
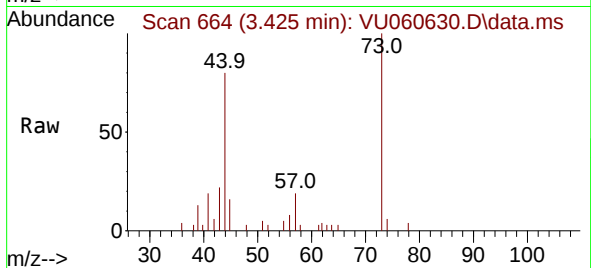
Tgt Ion: 73 Resp: 8939

Ion Ratio Lower Upper

73 100

43 23.4 15.8 23.6

57 23.4 16.8 25.2



#19

1,1-Dichloroethane

Concen: 6.227 ug/L

RT: 3.904 min Scan# 813

Delta R.T. 0.042 min

Lab File: VU060630.D

Acq: 05 Sep 2024 17:09

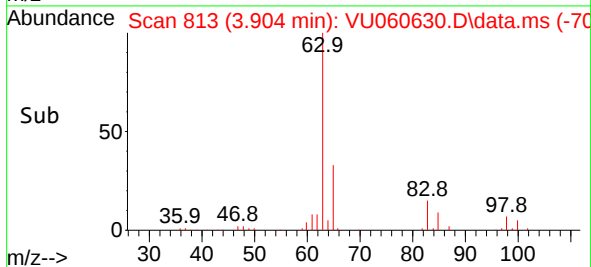
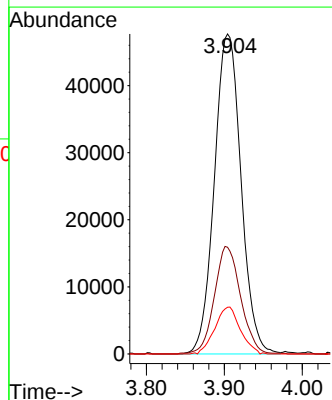
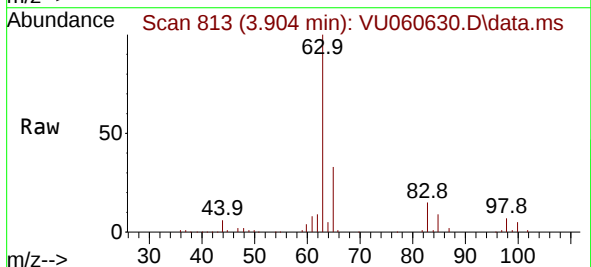
Tgt Ion: 63 Resp: 113714

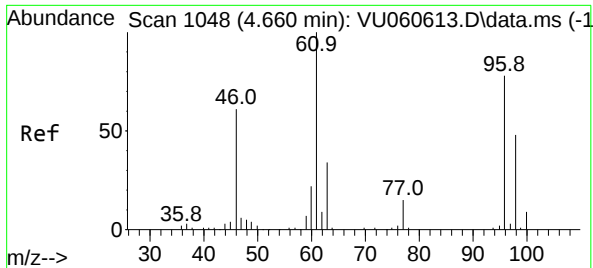
Ion Ratio Lower Upper

63 100

65 34.1 20.5 38.1

83 14.6 9.2 17.2





#22  
 cis-1,2-Dichloroethene  
 Concen: 2.557 ug/L  
 RT: 4.711 min Scan# 1064  
 Delta R.T. 0.051 min  
 Lab File: VU060630.D  
 Acq: 05 Sep 2024 17:09

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YE3E3DL

|             |                  |
|-------------|------------------|
| Tgt Ion: 96 | Resp: 25677      |
| Ion Ratio   | Lower Upper      |
| 96          | 100              |
| 61          | 119.3 92.9 172.5 |
| 98          | 58.8 45.0 83.6   |

