

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042623\  
 Data File : VU053915.D  
 Acq On : 26 Apr 2023 15:42  
 Operator : JC/MD  
 Sample : 02433-04DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE40DL

Quant Time: Apr 27 05:56:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 27 05:52:18 2023  
 Response via : Initial Calibration

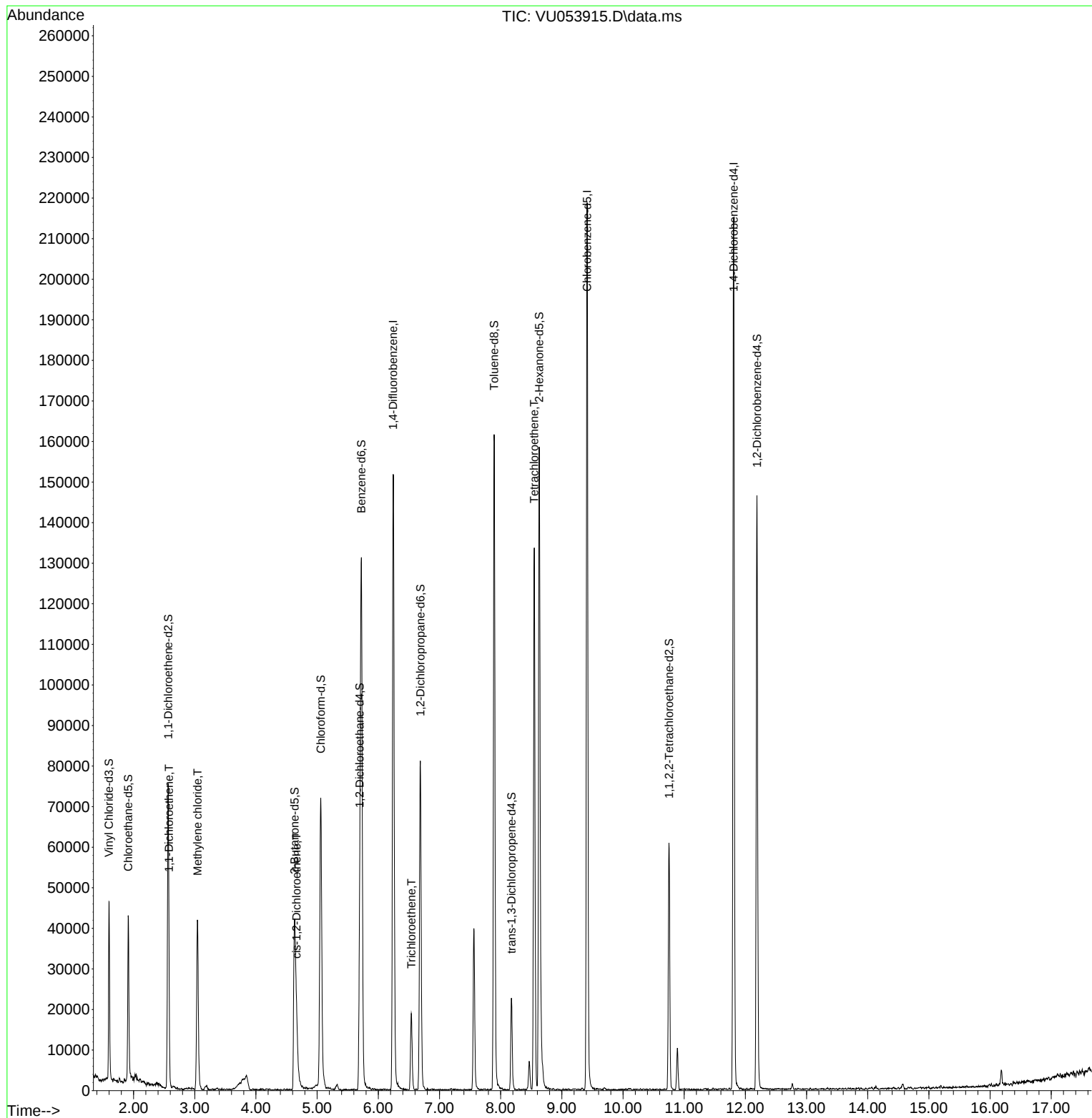
| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| Internal Standards            |        |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 6.243  | 114            | 132887   | 5.000  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117            | 128084   | 5.000  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 60371    | 5.000  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 33453    | 4.133  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 82.600% |          |
| 7) Chloroethane-d5            | 1.912  | 69             | 29605    | 4.358  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 87.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65             | 13569    | 4.073  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 81.400% |          |
| 20) 2-Butanone-d5             | 4.632  | 46             | 71231    | 48.048 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 96.100% |          |
| 24) Chloroform-d              | 5.060  | 84             | 66729    | 4.375  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 87.600% |          |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65             | 31447    | 4.461  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 89.200% |          |
| 32) Benzene-d6                | 5.722  | 84             | 132070   | 4.377  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 87.600% |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 41552    | 4.552  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 91.000% |          |
| 41) Toluene-d8                | 7.893  | 98             | 113508   | 4.031  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 80.600% |          |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79             | 14653    | 4.082  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 81.600% |          |
| 46) 2-Hexanone-d5             | 8.629  | 63             | 58794    | 46.276 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 92.560% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84             | 31139    | 4.221  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 84.400% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 42632    | 4.403  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 88.000% |          |
| Target Compounds              |        |                |          |        |         |          |
| 12) 1,1-Dichloroethene        | 2.578  | 96             | 1735     | 0.208  | ug/L    | 1        |
| 16) Methylene chloride        | 3.044  | 84             | 21893    | 1.919  | ug/L    | 98       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96             | 4431     | 0.465  | ug/L    | 97       |
| 34) Trichloroethene           | 6.539  | 95             | 6333     | 0.644  | ug/L    | 98       |
| 47) Tetrachloroethene         | 8.549  | 164            | 29466    | 3.779  | ug/L    | 97       |

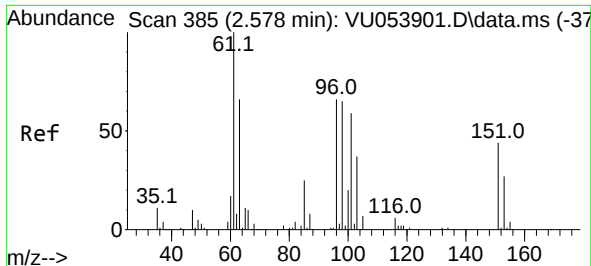
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042623\  
Data File : VU053915.D  
Acq On : 26 Apr 2023 15:42  
Operator : JC/MD  
Sample : 02433-04DL 5X  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHE40DL

Quant Time: Apr 27 05:56:19 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042423WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Apr 27 05:52:18 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.208 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU053915.D

Acq: 26 Apr 2023 15:42

Instrument :

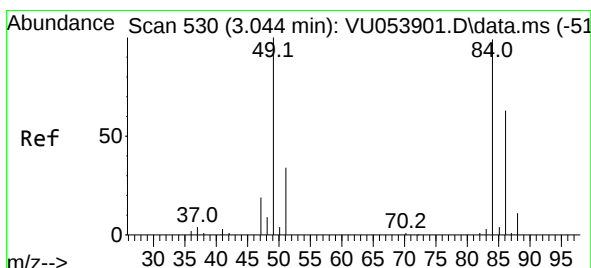
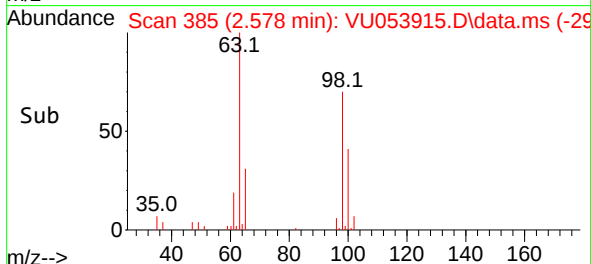
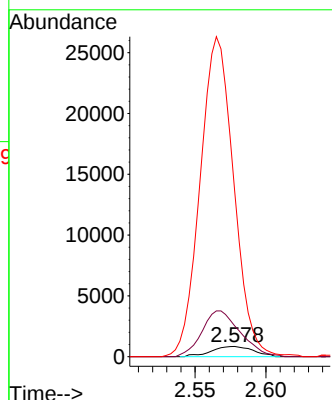
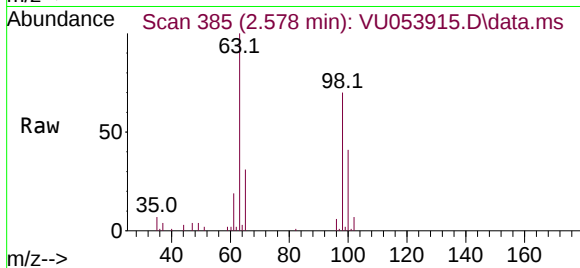
MSVOA\_U

ClientSampleId :

BHE40DL

Tgt Ion: 96 Resp: 1735

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 302.0  | 111.5 | 207.1# |
| 63  | 1627.1 | 68.7  | 127.7# |



#16

Methylene chloride

Concen: 1.919 ug/L

RT: 3.044 min Scan# 530

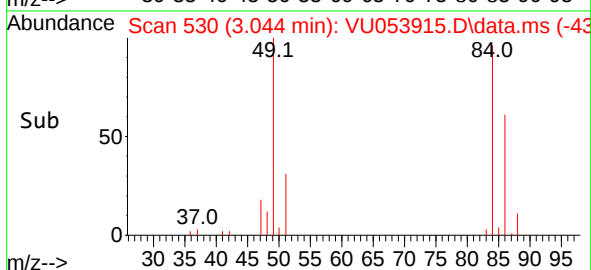
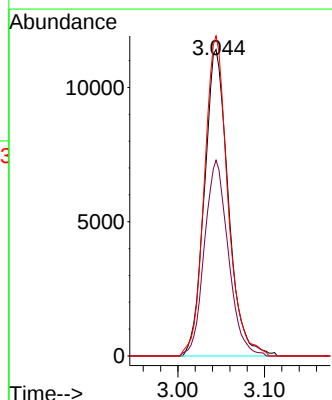
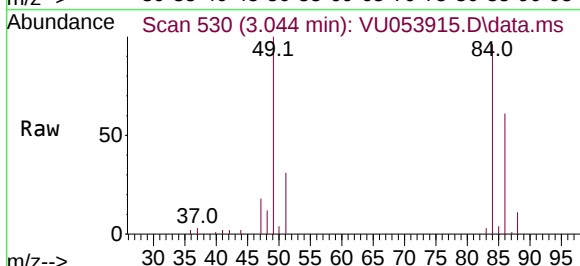
Delta R.T. -0.000 min

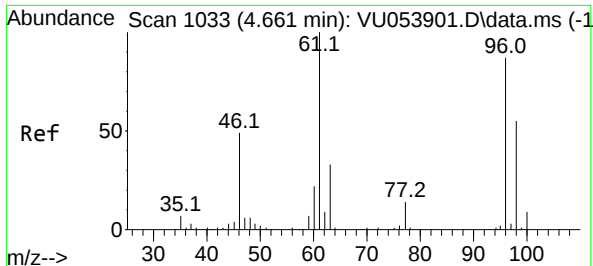
Lab File: VU053915.D

Acq: 26 Apr 2023 15:42

Tgt Ion: 84 Resp: 21893

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 63.9  | 45.0  | 83.6  |
| 49  | 104.4 | 74.8  | 138.8 |





#22

cis-1,2-Dichloroethene

Concen: 0.465 ug/L

RT: 4.665 min Scan# 1033

Delta R.T. 0.003 min

Lab File: VU053915.D

Acq: 26 Apr 2023 15:42

Instrument :

MSVOA\_U

ClientSampleId :

BHE40DL

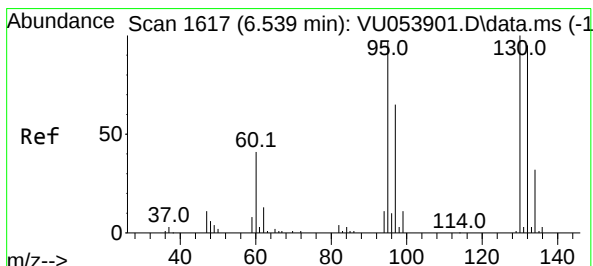
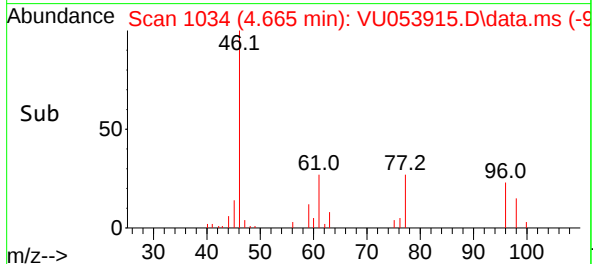
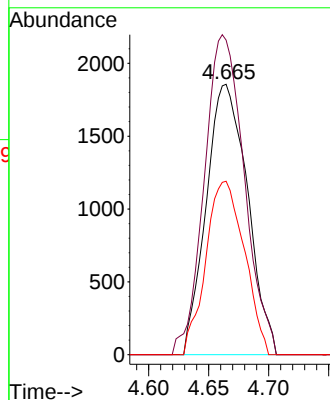
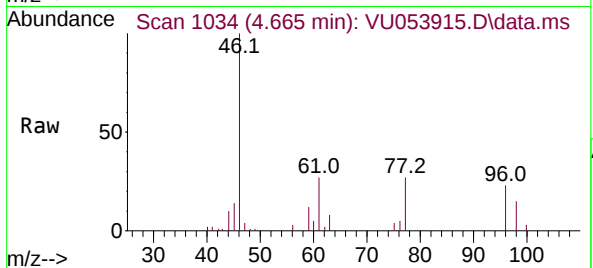
Tgt Ion: 96 Resp: 4431

Ion Ratio Lower Upper

96 100

61 116.4 84.3 156.5

98 64.2 46.4 86.2



#34

Trichloroethene

Concen: 0.644 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. -0.000 min

Lab File: VU053915.D

Acq: 26 Apr 2023 15:42

Tgt Ion: 95 Resp: 6333

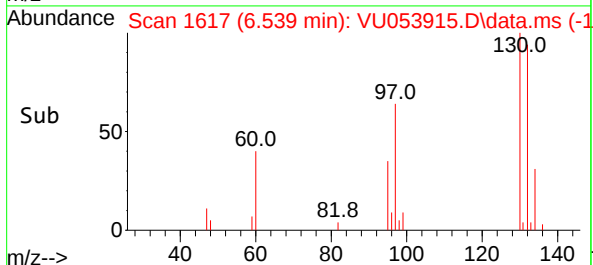
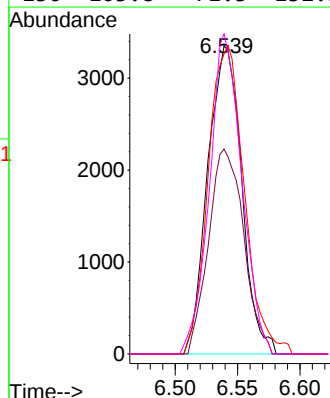
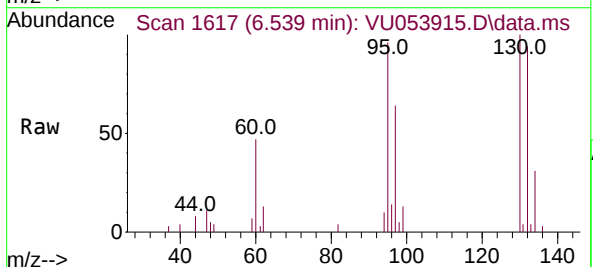
Ion Ratio Lower Upper

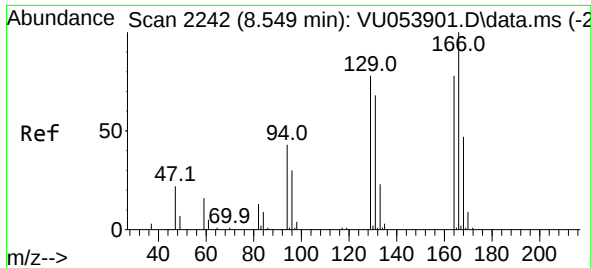
95 100

97 66.5 45.1 83.9

132 97.3 69.9 129.9

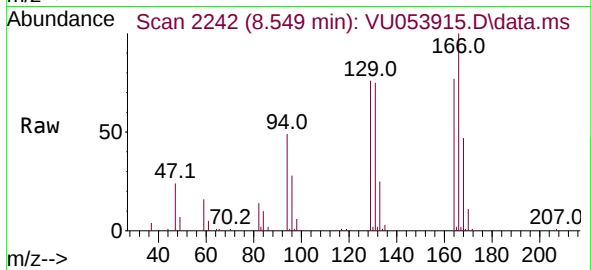
130 103.8 71.3 132.3





#47  
 Tetrachloroethene  
 Concen: 3.779 ug/L  
 RT: 8.549 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VU053915.D  
 Acq: 26 Apr 2023 15:42

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE40DL



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 29466 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 98.1  | 68.3  | 126.8 |
| 131      | 97.7  | 64.4  | 119.6 |
| 166      | 129.5 | 88.3  | 163.9 |

