

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW062824\  
 Data File : VW036340.D  
 Acq On : 28 Jun 2024 10:25  
 Operator : SY/MD  
 Sample : P2962-14  
 Misc : 5.00g/10.0mL/MSVOA\_V/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 28 23:33:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 28 23:33:02 2024  
 Response via : Initial Calibration

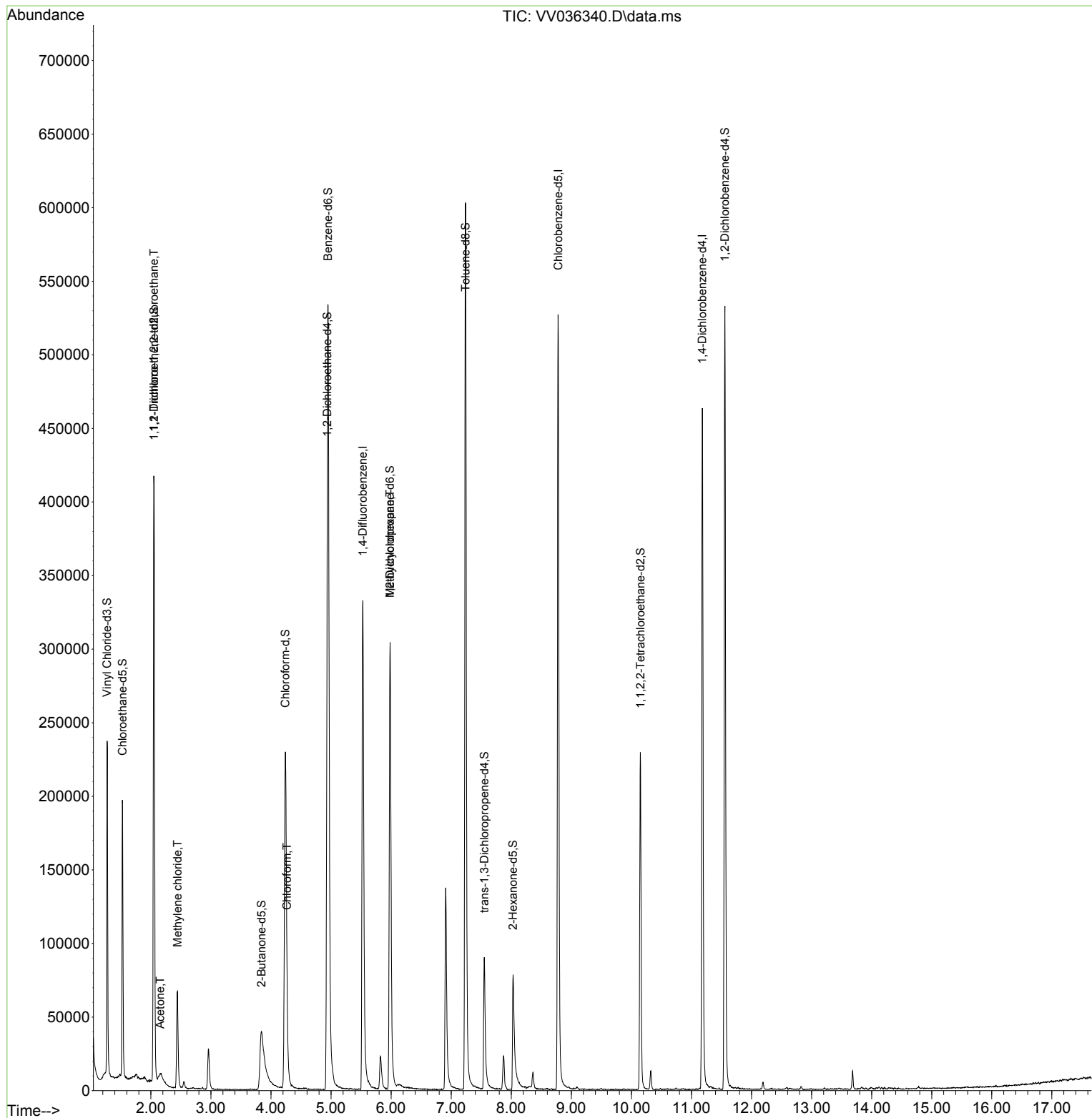
| Compound                      |        | R.T.   | QIon     | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|--------|-----------|----------|
| -----                         |        |        |          |          |        |           |          |
| Internal Standards            |        |        |          |          |        |           |          |
| 1) 1,4-Difluorobenzene        |        | 5.529  | 114      | 303255   | 25.000 | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          |        | 8.780  | 117      | 304640   | 25.000 | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    |        | 11.181 | 152      | 126073   | 25.000 | ug/L      | 0.00     |
| System Monitoring Compounds   |        |        |          |          |        |           |          |
| 4) Vinyl Chloride-d3          |        | 1.272  | 65       | 150708   | 29.262 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | =      | 117.040%  |          |
| 7) Chloroethane-d5            |        | 1.526  | 69       | 124449   | 30.253 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | =      | 121.000%  |          |
| 11) 1,1-Dichloroethene-d2     |        | 2.050  | 65       | 69479    | 28.697 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 45 - 110 | Recovery | =      | 114.800%# |          |
| 21) 2-Butanone-d5             |        | 3.841  | 46       | 45101    | 37.732 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | =      | 75.460%   |          |
| 24) Chloroform-d              |        | 4.240  | 84       | 254879   | 28.474 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 40 - 150 | Recovery | =      | 113.880%  |          |
| 26) 1,2-Dichloroethane-d4     |        | 4.937  | 65       | 134831   | 28.245 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 70 - 130 | Recovery | =      | 112.960%  |          |
| 32) Benzene-d6                |        | 4.950  | 84       | 494781   | 28.771 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 20 - 135 | Recovery | =      | 115.080%  |          |
| 36) 1,2-Dichloropropane-d6    |        | 5.982  | 67       | 151529   | 29.294 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 70 - 120 | Recovery | =      | 117.160%  |          |
| 41) Toluene-d8                |        | 7.239  | 98       | 420304   | 27.107 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 130 | Recovery | =      | 108.440%  |          |
| 43) trans-1,3-Dichloroprop... |        | 7.551  | 79       | 58335    | 25.254 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 135 | Recovery | =      | 101.000%  |          |
| 47) 2-Hexanone-d5             |        | 8.030  | 63       | 30867    | 37.383 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | =      | 74.760%   |          |
| 56) 1,1,2,2-Tetrachloroeth... |        | 10.149 | 84       | 111252   | 26.238 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 45 - 120 | Recovery | =      | 104.960%  |          |
| 66) 1,2-Dichlorobenzene-d4    |        | 11.558 | 152      | 144481   | 31.448 | ug/L      | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 75 - 120 | Recovery | =      | 125.800%# |          |
| Target Compounds              |        |        |          |          |        |           |          |
|                               |        |        |          |          |        | Qvalue    |          |
| 10) 1,1,2-Trichloro-1,2,2-... |        | 2.053  | 101      | 2544     | 0.472  | ug/L #    | 36       |
| 13) Acetone                   |        | 2.156  | 43       | 10492    | 6.497  | ug/L #    | 62       |
| 16) Methylene chloride        |        | 2.442  | 84       | 29787    | 4.989  | ug/L      | 97       |
| 25) Chloroform                |        | 4.265  | 83       | 7917     | 0.880  | ug/L      | 93       |
| 35) Methylcyclohexane         |        | 5.982  | 83       | 38642    | 4.870  | ug/L #    | 21       |
| -----                         |        |        |          |          |        |           |          |

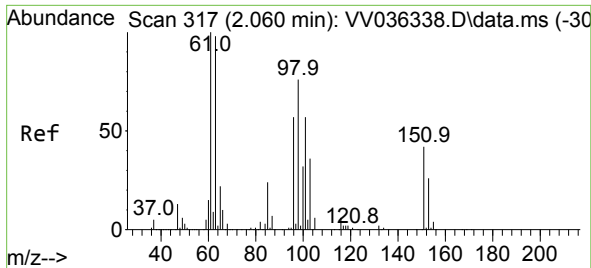
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

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MSVOA\_V  
ClientSampleId :

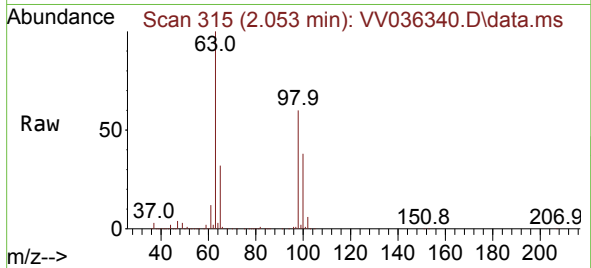
Quant Time: Jun 28 23:33:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM062724SMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Jun 28 23:33:02 2024  
Response via : Initial Calibration



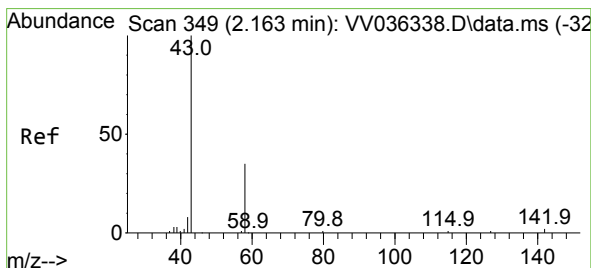
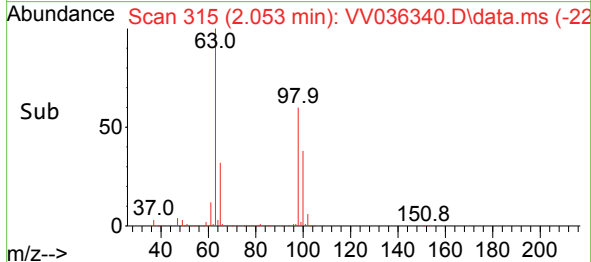
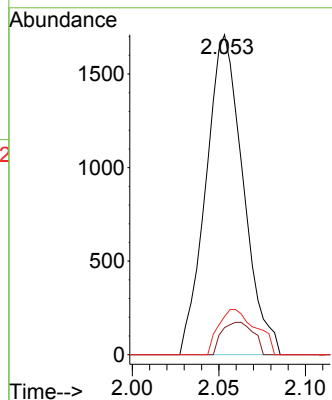


#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.472 ug/L  
 RT: 2.053 min Scan# 315  
 Delta R.T. -0.006 min  
 Lab File: VV036340.D  
 Acq: 28 Jun 2024 10:25

Instrument :  
 MSVOA\_V  
 ClientSampleId :

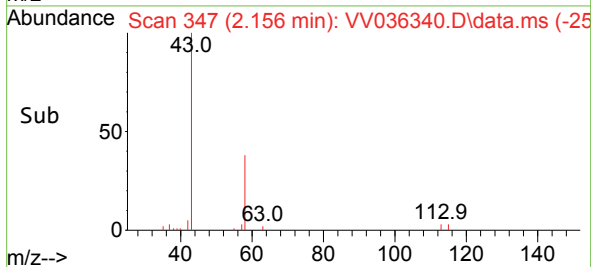
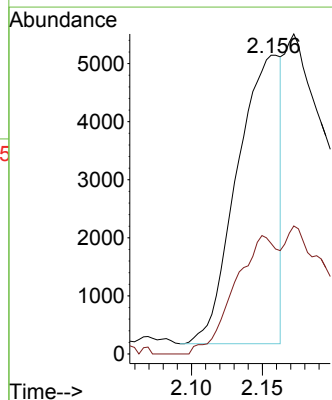
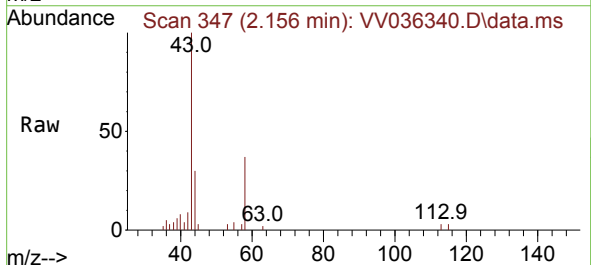


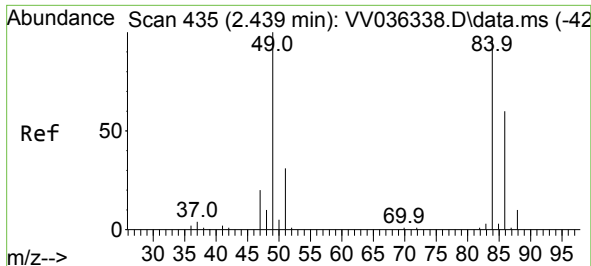
Tgt Ion:101 Resp: 2544  
 Ion Ratio Lower Upper  
 101 100  
 85 8.6 34.6 51.8#  
 151 14.2 58.9 88.3#



#13  
 Acetone  
 Concen: 6.497 ug/L  
 RT: 2.156 min Scan# 347  
 Delta R.T. -0.006 min  
 Lab File: VV036340.D  
 Acq: 28 Jun 2024 10:25

Tgt Ion: 43 Resp: 10492  
 Ion Ratio Lower Upper  
 43 100  
 58 35.5 0.0 0.6#

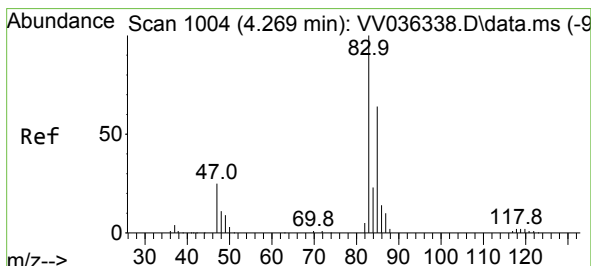
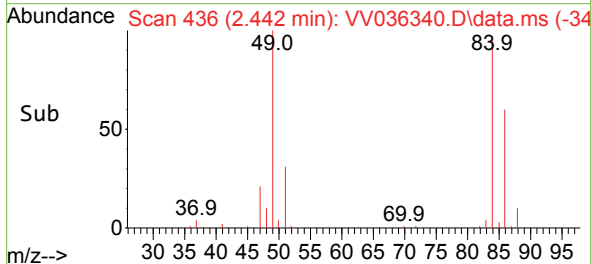
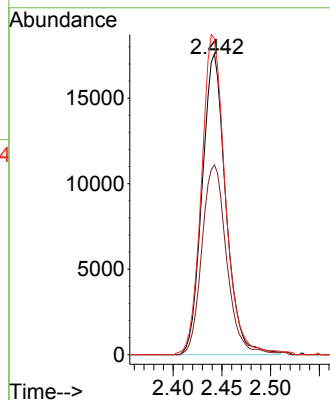
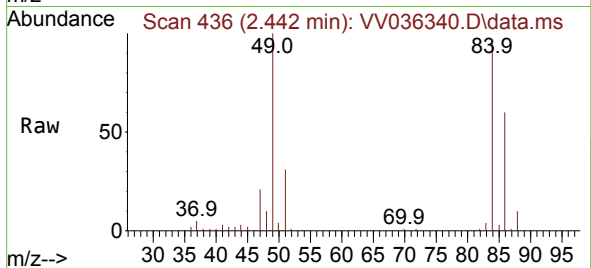




#16  
Methylene chloride  
Concen: 4.989 ug/L  
RT: 2.442 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV036340.D  
Acq: 28 Jun 2024 10:25

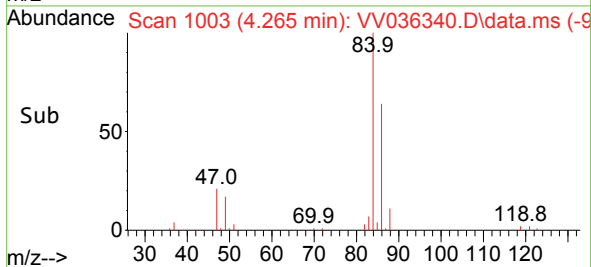
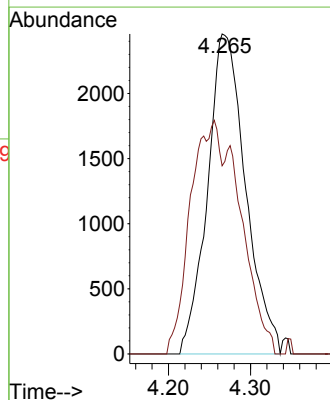
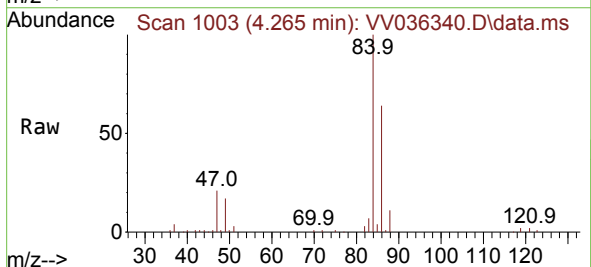
Instrument :  
MSVOA\_V  
ClientSampleId :

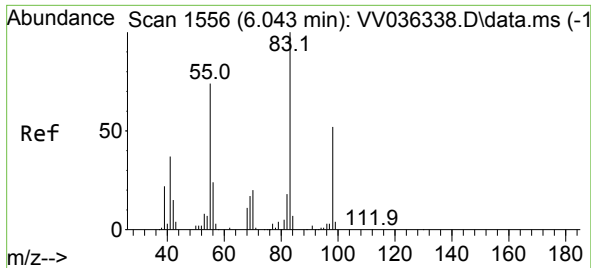
Tgt Ion: 84 Resp: 29787  
Ion Ratio Lower Upper  
84 100  
86 63.1 45.6 84.8  
49 105.0 75.7 140.5



#25  
Chloroform  
Concen: 0.880 ug/L  
RT: 4.265 min Scan# 1003  
Delta R.T. -0.003 min  
Lab File: VV036340.D  
Acq: 28 Jun 2024 10:25

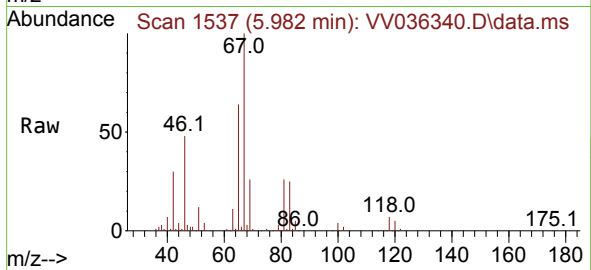
Tgt Ion: 83 Resp: 7917  
Ion Ratio Lower Upper  
83 100  
85 58.8 45.0 83.6





#35  
Methylcyclohexane  
Concen: 4.870 ug/L  
RT: 5.982 min Scan# 1  
Delta R.T. -0.061 min  
Lab File: VV036340.D  
Acq: 28 Jun 2024 10:25

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 83 Resp: 38642  
Ion Ratio Lower Upper  
83 100  
55 0.5 56.0 84.0#  
98 0.9 39.0 58.6#

