

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX062024\  
 Data File : VX041956.D  
 Acq On : 20 Jun 2024 11:28  
 Operator : JC/MD  
 Sample : P2980-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 240618058-01-TRIP-BLANK

Quant Time: Jun 21 03:15:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X061424W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Jun 15 04:02:59 2024  
 Response via : Initial Calibration

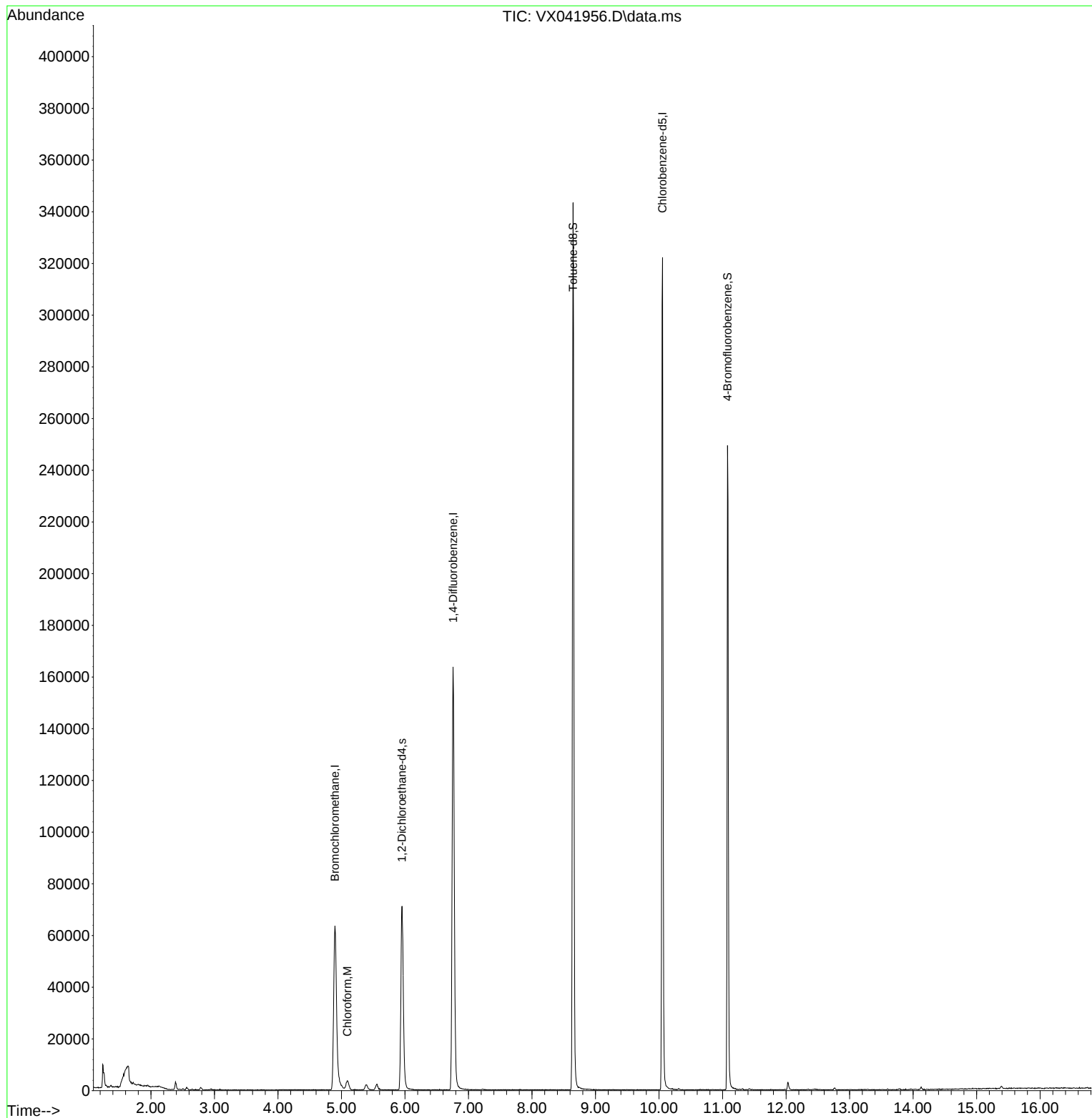
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Bromochloromethane       | 4.897  | 128   | 32532    | 30.000   | ug/l  | 0.00      |
| 28) 1,4-Difluorobenzene     | 6.757  | 114   | 180080   | 30.000   | ug/l  | 0.00      |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 163618   | 30.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 27) 1,2-Dichloroethane-d4   | 5.952  | 65    | 67648    | 30.207   | ug/l  | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =     | 100.700%  |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 67228    | 26.544   | ug/l  | 0.00      |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =     | 88.467%   |
| 63) Toluene-d8              | 8.647  | 98    | 209534   | 29.933   | ug/l  | 0.00      |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =     | 99.767%   |
| Target Compounds            |        |       |          |          |       |           |
| 25) Chloroform              | 5.093  | 83    | 4577     | 1.270    | ug/l  | Qvalue 95 |
| -----                       |        |       |          |          |       |           |

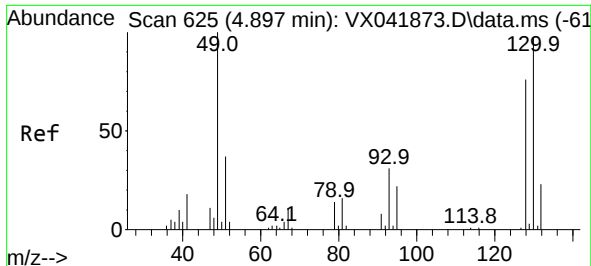
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
240618058-01-TRIP-BLANK

Quant Time: Jun 21 03:15:03 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X061424W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Jun 15 04:02:59 2024  
Response via : Initial Calibration

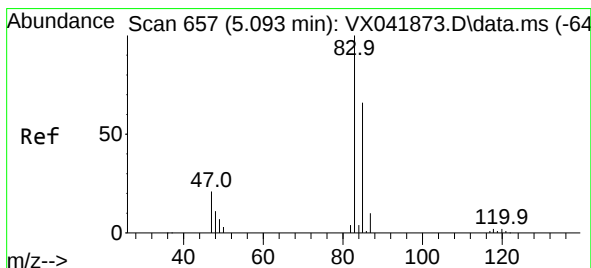
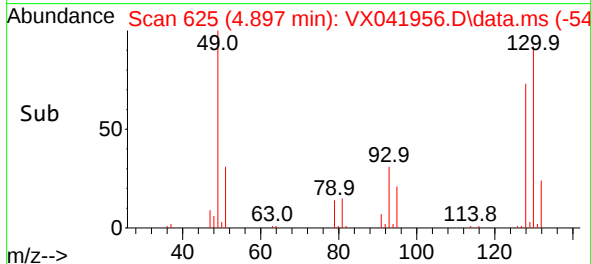
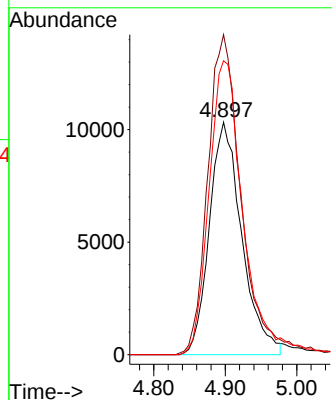
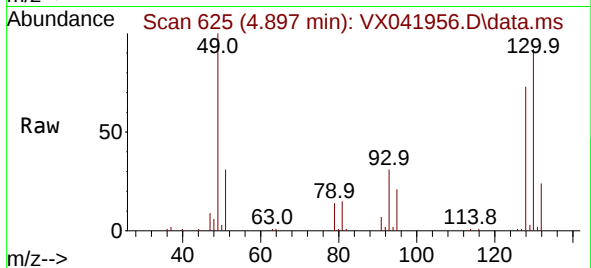




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.897 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX041956.D  
Acq: 20 Jun 2024 11:28

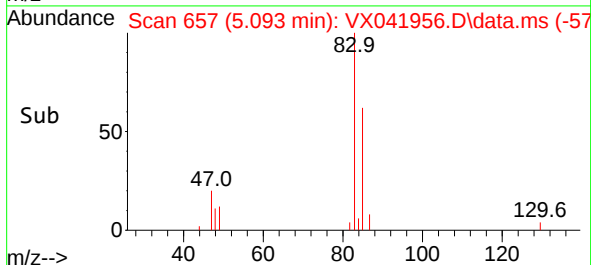
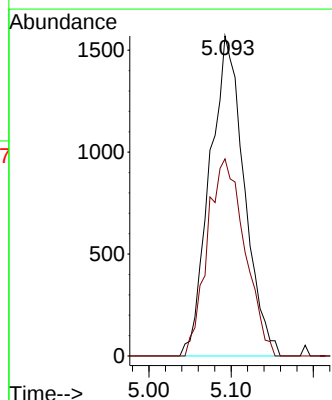
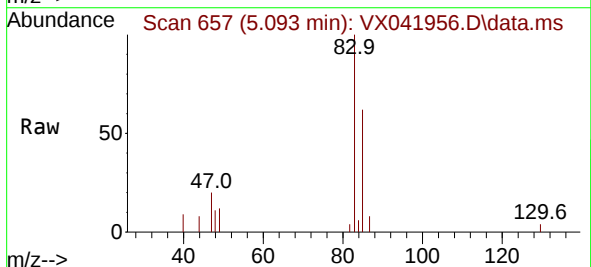
Instrument :  
MSVOA\_X  
ClientSampleId :  
240618058-01-TRIP-BLANK

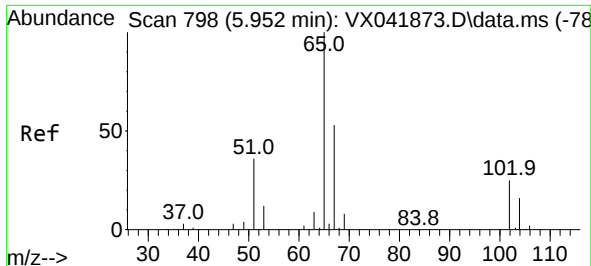
Tgt Ion:128 Resp: 32532  
Ion Ratio Lower Upper  
128 100  
49 142.1 0.0 338.5  
130 128.8 0.0 324.5



#25  
Chloroform  
Concen: 1.270 ug/l  
RT: 5.093 min Scan# 657  
Delta R.T. 0.000 min  
Lab File: VX041956.D  
Acq: 20 Jun 2024 11:28

Tgt Ion: 83 Resp: 4577  
Ion Ratio Lower Upper  
83 100  
85 61.6 52.7 79.1





#27

1,2-Dichloroethane-d4

Concen: 30.207 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041956.D

Acq: 20 Jun 2024 11:28

Instrument :

MSVOA\_X

ClientSampleId :

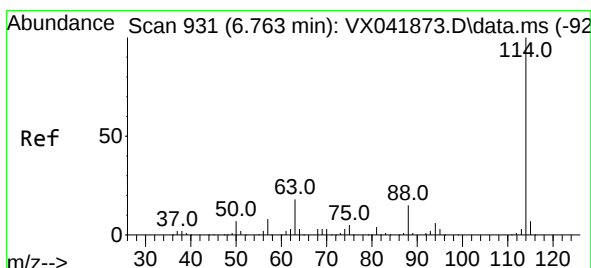
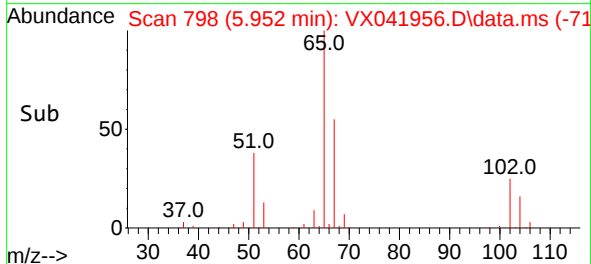
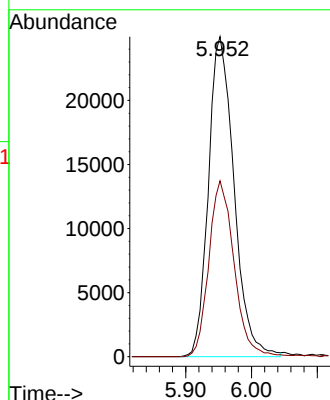
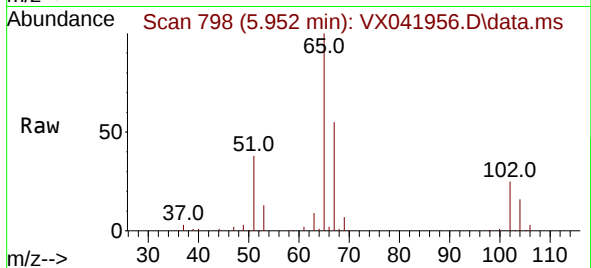
240618058-01-TRIP-BLANK

Tgt Ion: 65 Resp: 67648

Ion Ratio Lower Upper

65 100

67 54.2 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX041956.D

Acq: 20 Jun 2024 11:28

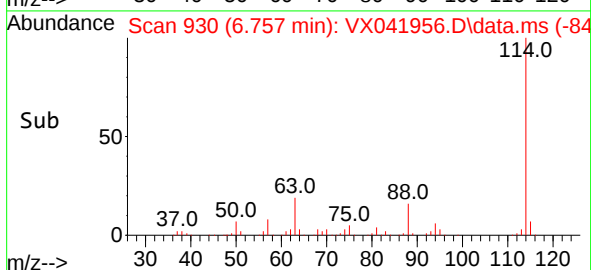
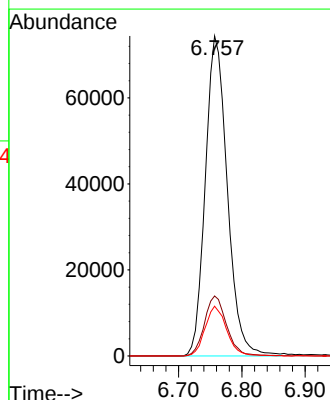
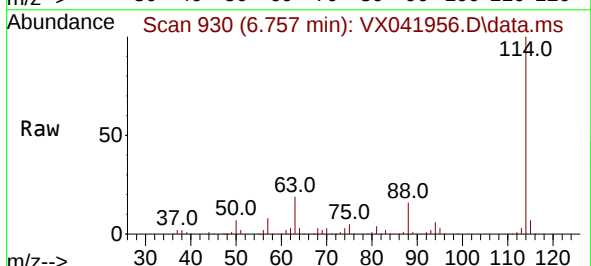
Tgt Ion: 114 Resp: 180080

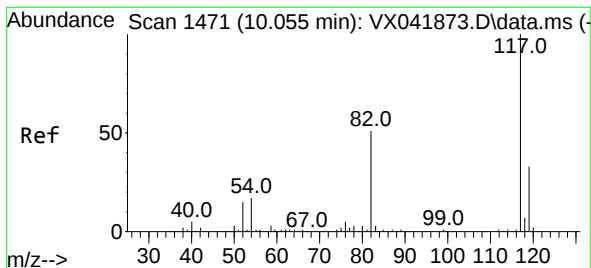
Ion Ratio Lower Upper

114 100

63 18.7 14.6 21.8

88 15.2 11.8 17.8





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041956.D

Acq: 20 Jun 2024 11:28

Instrument :

MSVOA\_X

ClientSampleId :

240618058-01-TRIP-BLANK

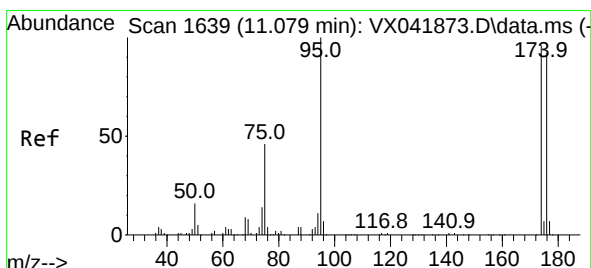
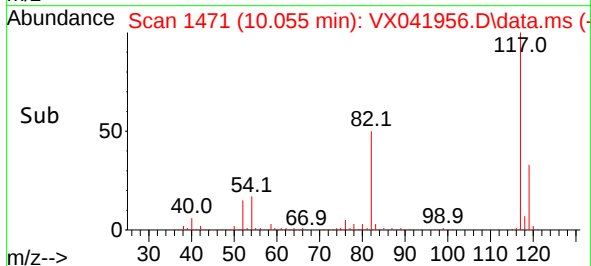
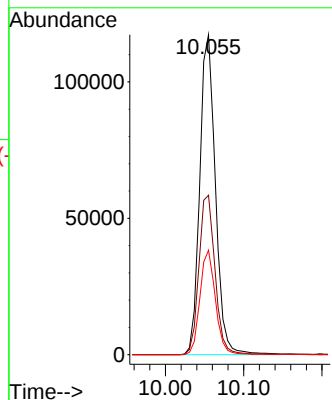
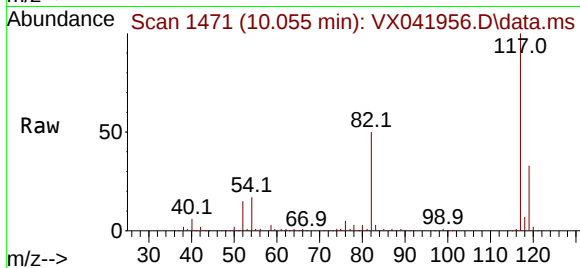
Tgt Ion:117 Resp: 163618

Ion Ratio Lower Upper

117 100

82 51.2 41.1 61.7

119 32.1 26.1 39.1



#60

4-Bromofluorobenzene

Concen: 26.544 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041956.D

Acq: 20 Jun 2024 11:28

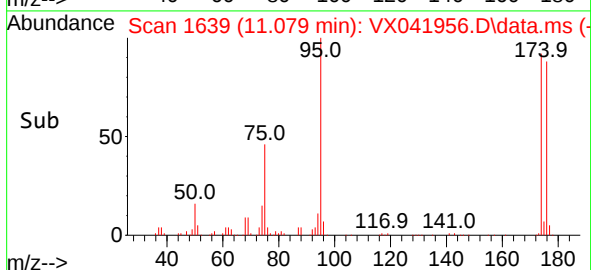
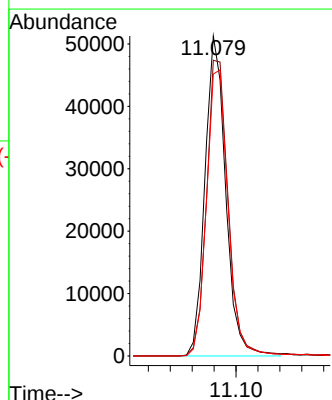
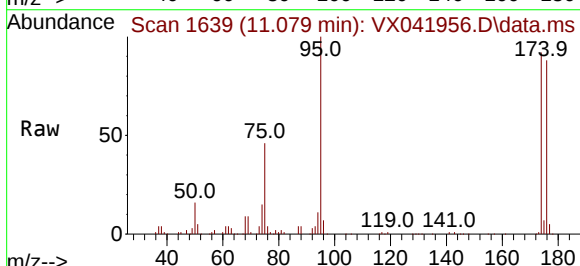
Tgt Ion: 95 Resp: 67228

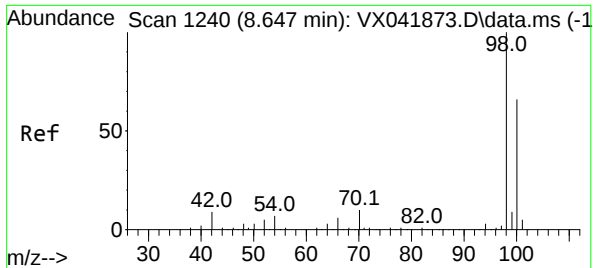
Ion Ratio Lower Upper

95 100

174 96.6 78.9 118.3

176 93.3 77.1 115.7





#63  
Toluene-d8  
Concen: 29.933 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX041956.D  
Acq: 20 Jun 2024 11:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
240618058-01-TRIP-BLANK

Tgt Ion: 98 Resp: 209534  
Ion Ratio Lower Upper  
98 100  
100 66.7 52.7 79.1

