

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022625\  
 Data File : VX045054.D  
 Acq On : 26 Feb 2025 14:36  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Feb 27 05:15:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X022125W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Sat Feb 22 01:06:36 2025  
 Response via : Initial Calibration

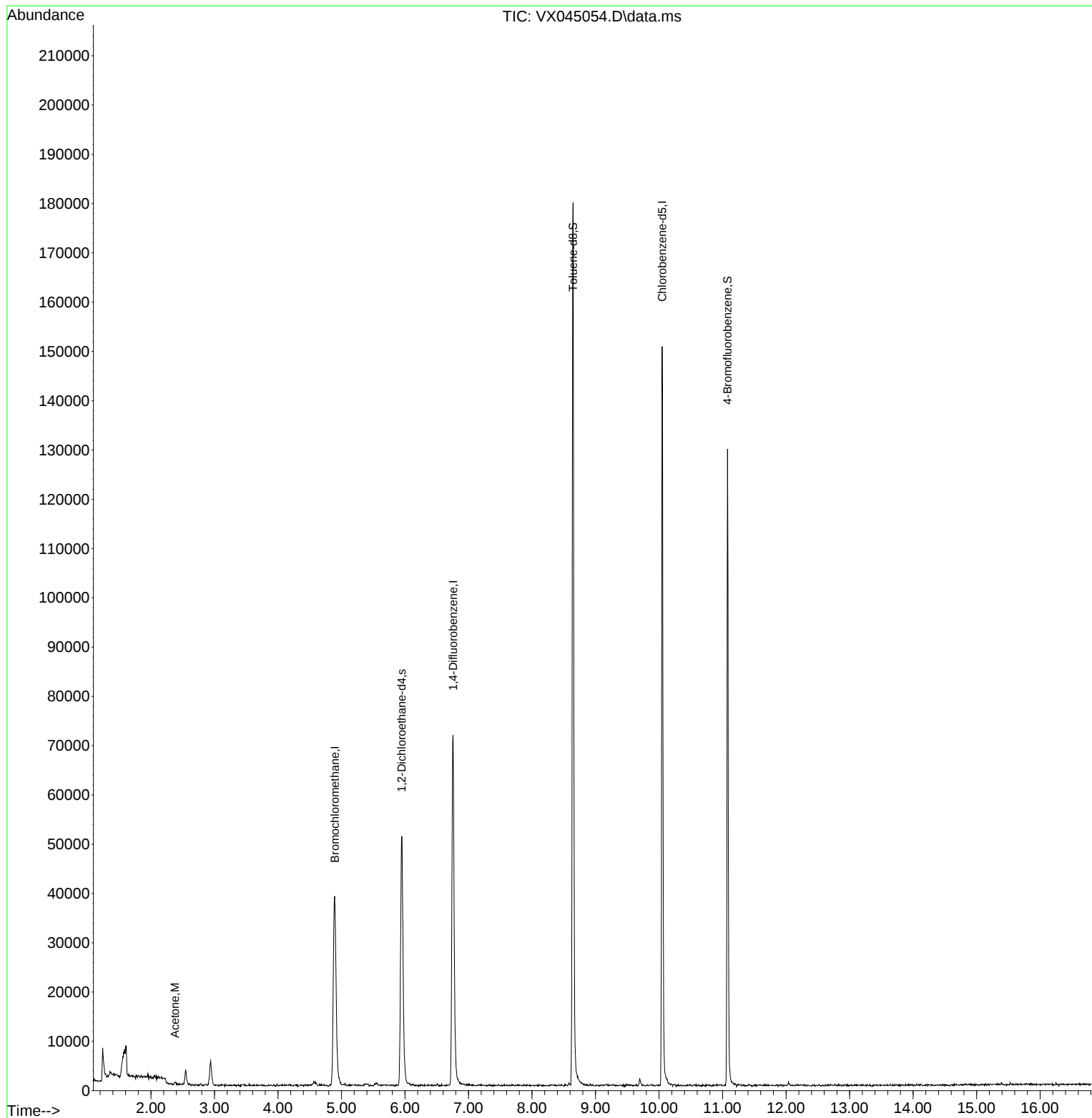
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.897  | 128   | 16000    | 30.000   | ug/l   | 0.01     |
| 28) 1,4-Difluorobenzene     | 6.757  | 114   | 73469    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.049 | 117   | 67669    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.946  | 65    | 47584    | 30.620   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 102.067% |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 34358    | 27.164   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 90.533%  |
| 63) Toluene-d8              | 8.647  | 98    | 108487   | 28.980   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 96.600%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 2.380  | 58    | 135      | 0.714    | ug/l # | 7        |
| -----                       |        |       |          |          |        |          |

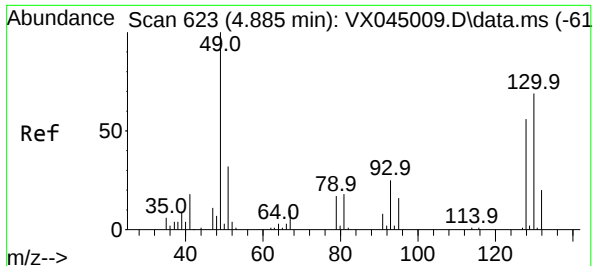
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Quant Time: Feb 27 05:15:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X022125W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Sat Feb 22 01:06:36 2025  
Response via : Initial Calibration

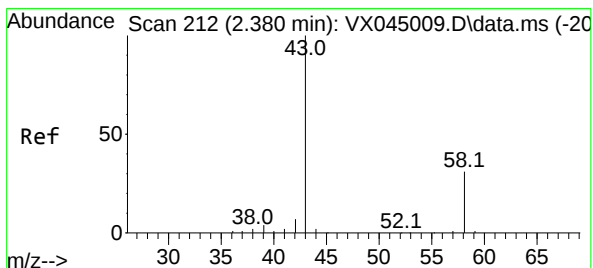
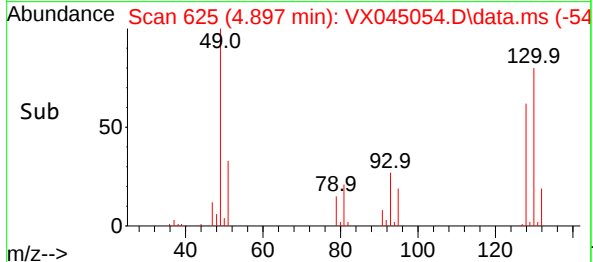
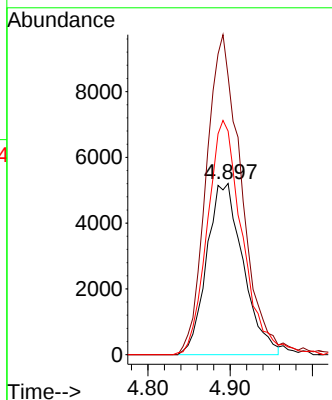
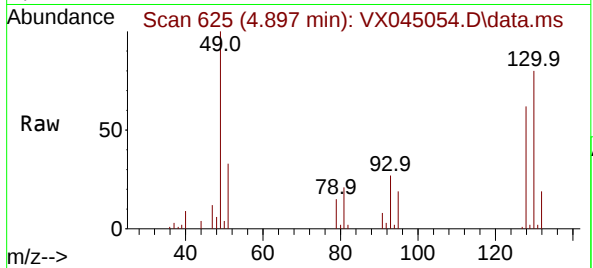




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.897 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VX045054.D  
Acq: 26 Feb 2025 14:36

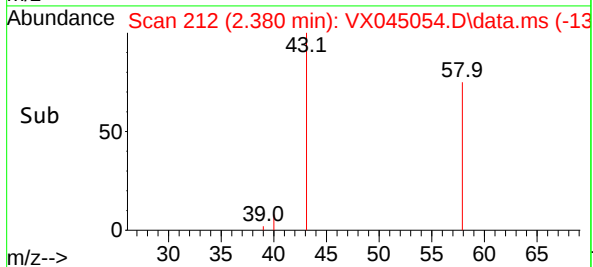
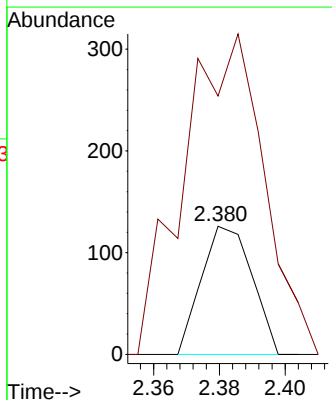
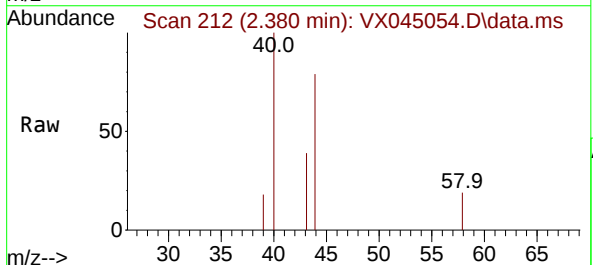
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

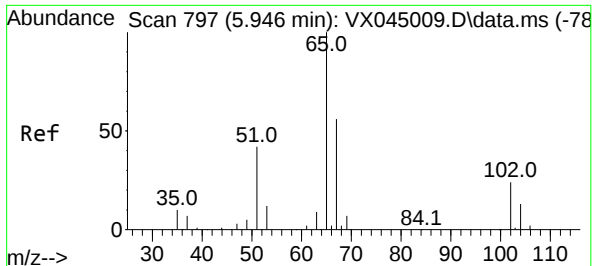
Tgt Ion:128 Resp: 16000  
Ion Ratio Lower Upper  
128 100  
49 178.5 0.0 449.7  
130 132.3 0.0 312.7



#15  
Acetone  
Concen: 0.714 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX045054.D  
Acq: 26 Feb 2025 14:36

Tgt Ion: 58 Resp: 135  
Ion Ratio Lower Upper  
58 100  
43 131.0 258.6 388.0#





#27

1,2-Dichloroethane-d4

Concen: 30.620 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX045054.D

Acq: 26 Feb 2025 14:36

Instrument :

MSVOA\_X

ClientSampleId :

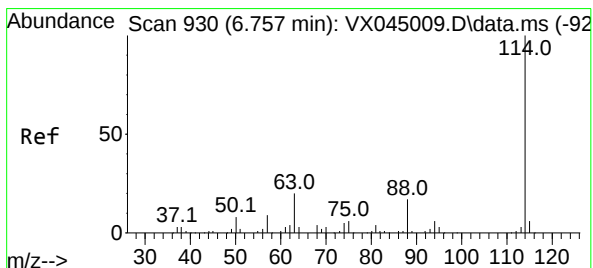
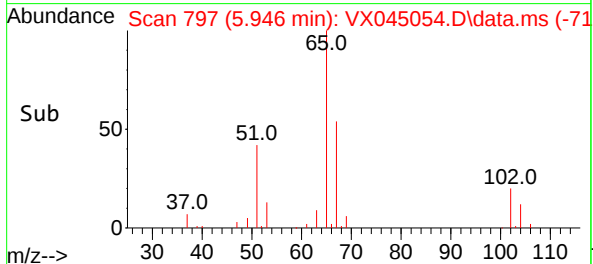
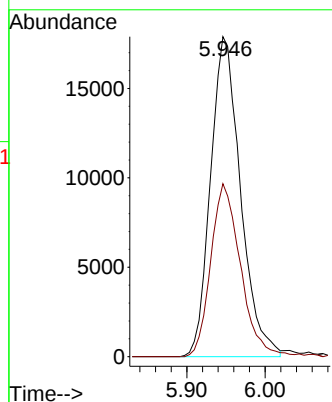
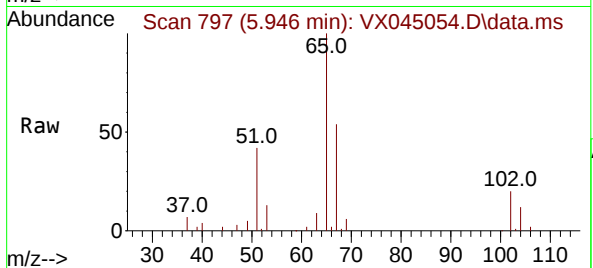
IBLK

Tgt Ion: 65 Resp: 47584

Ion Ratio Lower Upper

65 100

67 53.6 42.6 64.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045054.D

Acq: 26 Feb 2025 14:36

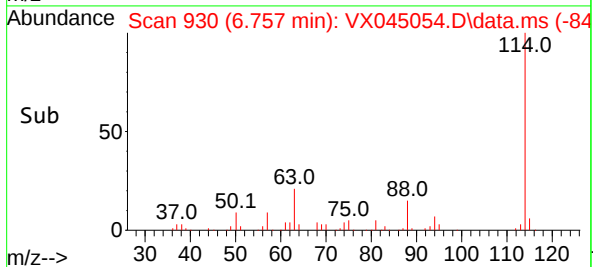
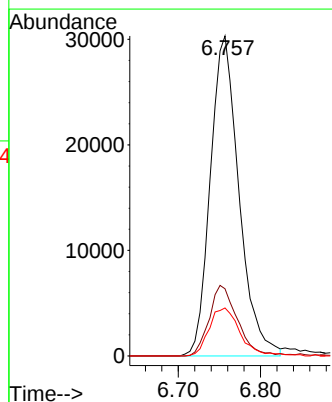
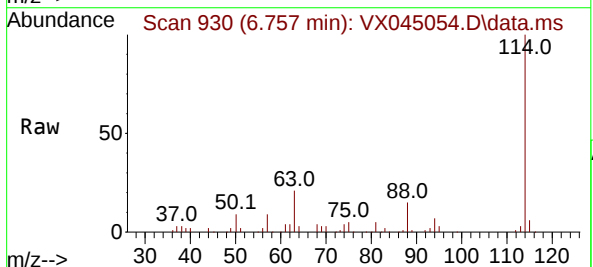
Tgt Ion: 114 Resp: 73469

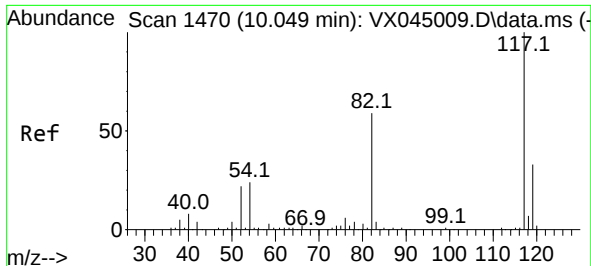
Ion Ratio Lower Upper

114 100

63 21.5 16.8 25.2

88 15.7 12.7 19.1





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045054.D

Acq: 26 Feb 2025 14:36

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

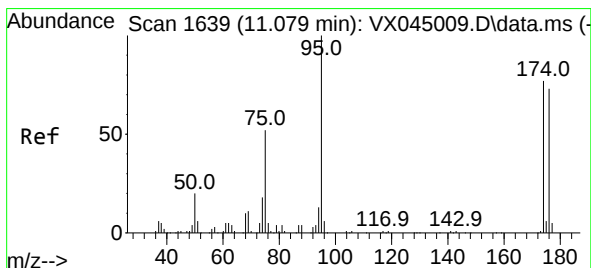
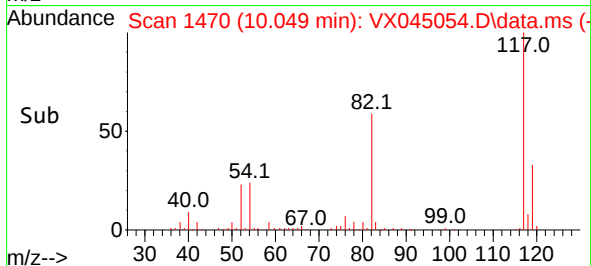
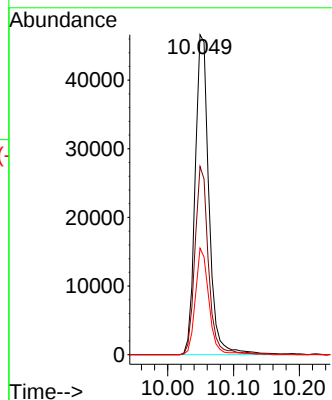
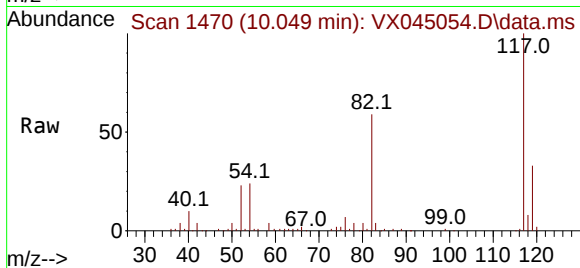
Tgt Ion:117 Resp: 67669

Ion Ratio Lower Upper

117 100

82 57.2 45.8 68.8

119 31.9 25.5 38.3



#60

4-Bromofluorobenzene

Concen: 27.164 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045054.D

Acq: 26 Feb 2025 14:36

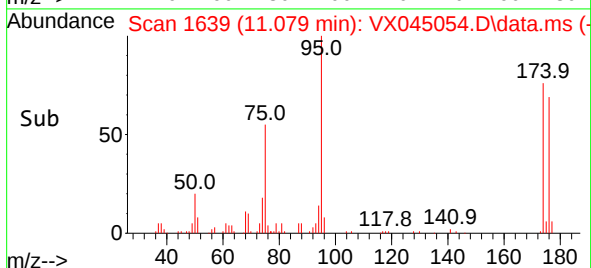
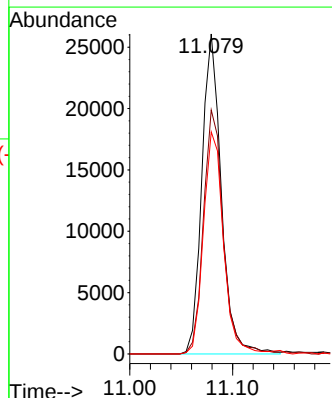
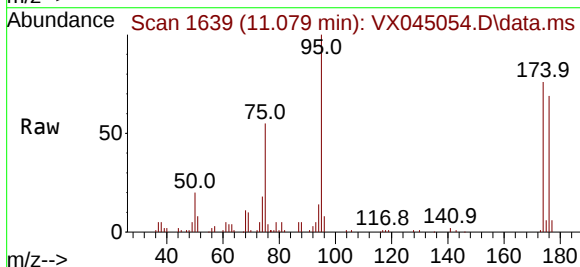
Tgt Ion: 95 Resp: 34358

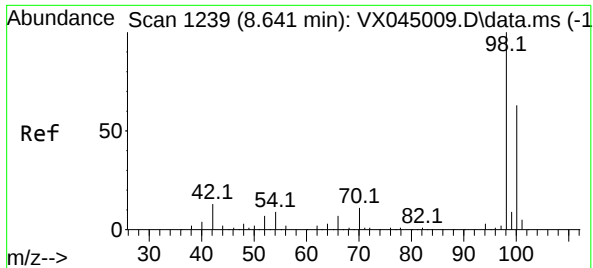
Ion Ratio Lower Upper

95 100

174 77.7 59.5 89.3

176 71.4 55.5 83.3





#63  
Toluene-d8  
Concen: 28.980 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX045054.D  
Acq: 26 Feb 2025 14:36

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Tgt Ion: 98 Resp: 108487  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.7 77.5

