

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX031425\  
 Data File : VX045294.D  
 Acq On : 14 Mar 2025 16:18  
 Operator : JC/MD  
 Sample : Q1583-01 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EFF-WASTE WATER

Quant Time: Mar 15 04:00:29 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

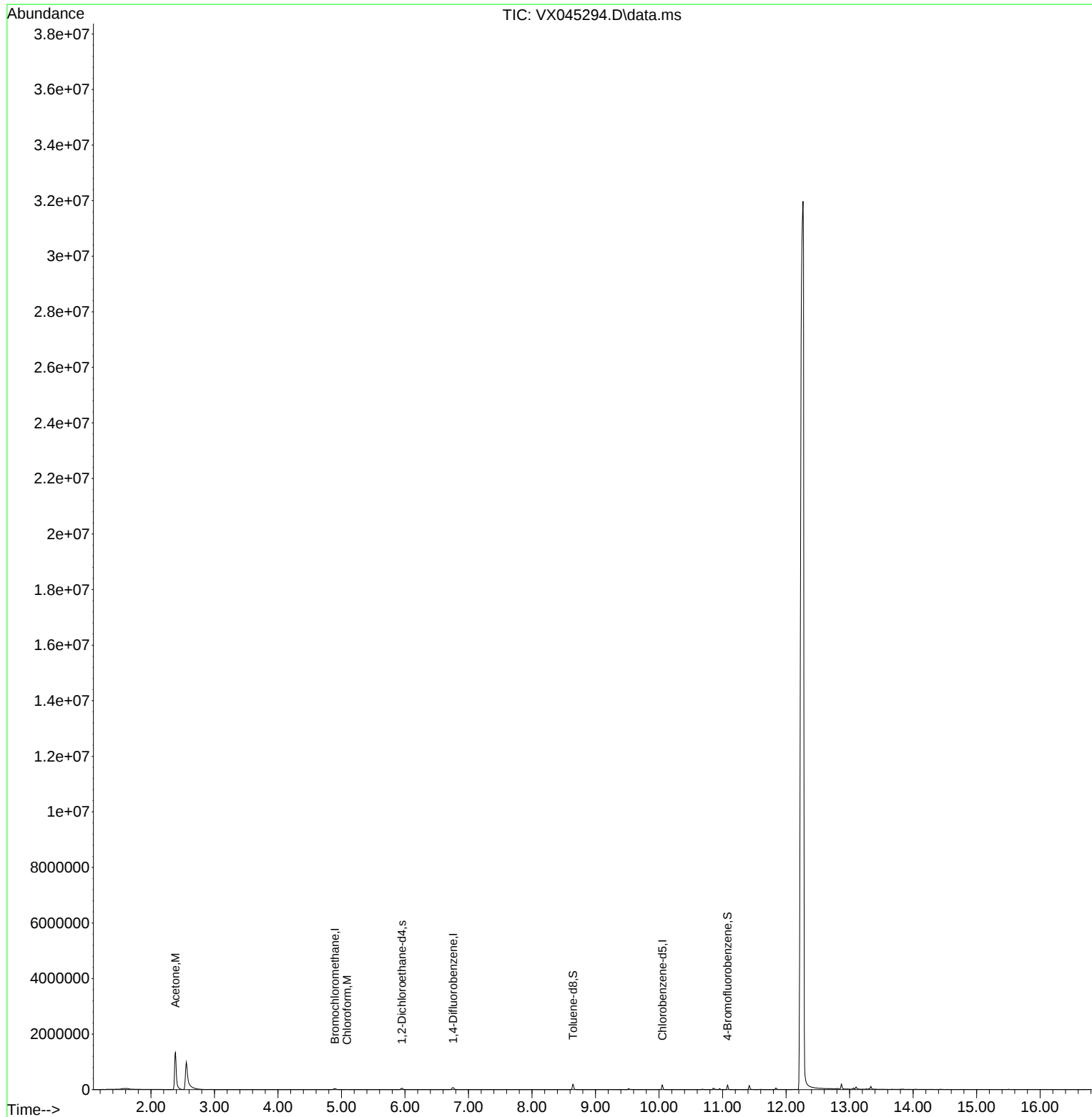
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 4.897  | 128   | 15046    | 30.000   | ug/l   | 0.01     |
| 28) 1,4-Difluorobenzene     | 6.757  | 114   | 76674    | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 10.055 | 117   | 71736    | 30.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4   | 5.952  | 65    | 46762    | 31.999   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =      | 106.667% |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 42574    | 31.752   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =      | 105.833% |
| 63) Toluene-d8              | 8.647  | 98    | 114825   | 28.934   | ug/l   | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =      | 96.433%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 15) Acetone                 | 2.386  | 58    | 494595   | 2781.700 | ug/l   | 90       |
| 25) Chloroform              | 5.086  | 83    | 5773     | 2.616    | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

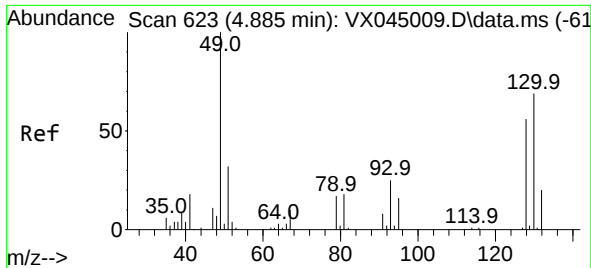
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

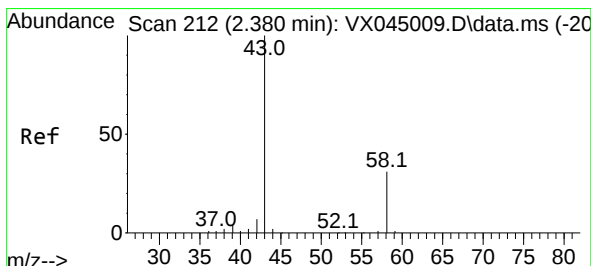
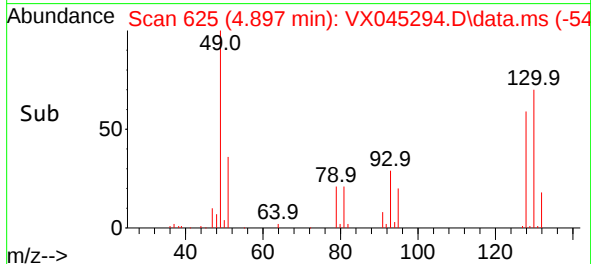
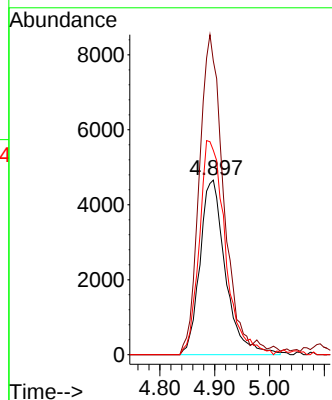
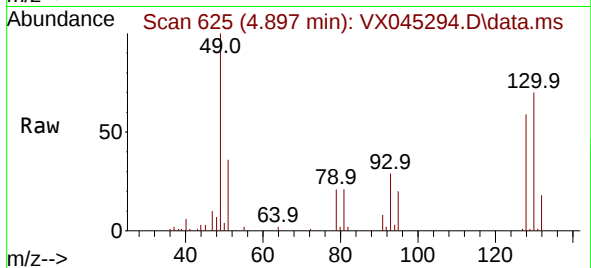




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.897 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VX045294.D  
Acq: 14 Mar 2025 16:18

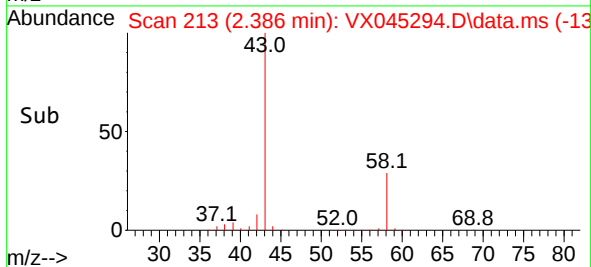
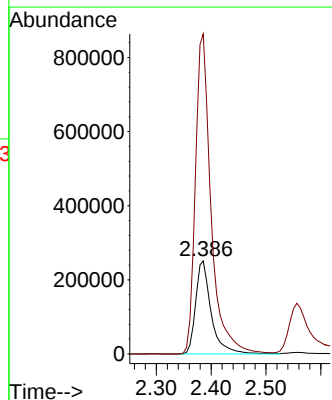
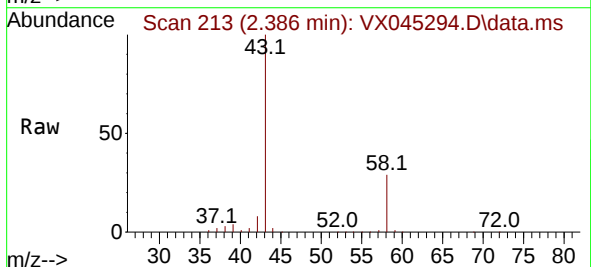
Instrument :  
MSVOA\_X  
ClientSampleId :  
EFF-WASTE WATER

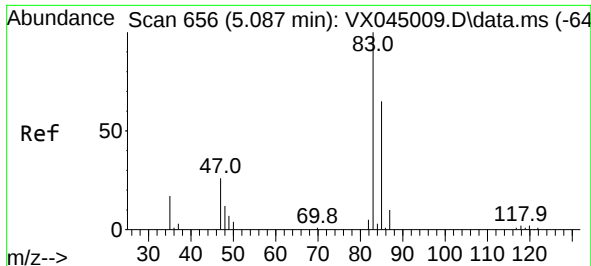
Tgt Ion:128 Resp: 15046  
Ion Ratio Lower Upper  
128 100  
49 172.9 0.0 449.7  
130 124.9 0.0 312.7



#15  
Acetone  
Concen: 2781.700 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX045294.D  
Acq: 14 Mar 2025 16:18

Tgt Ion: 58 Resp: 494595  
Ion Ratio Lower Upper  
58 100  
43 344.2 258.6 388.0





#25

Chloroform

Concen: 2.616 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX045294.D

Acq: 14 Mar 2025 16:18

Instrument :

MSVOA\_X

ClientSampleId :

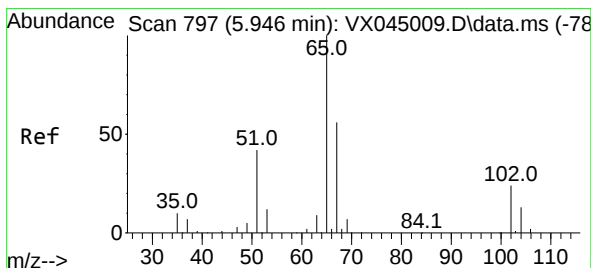
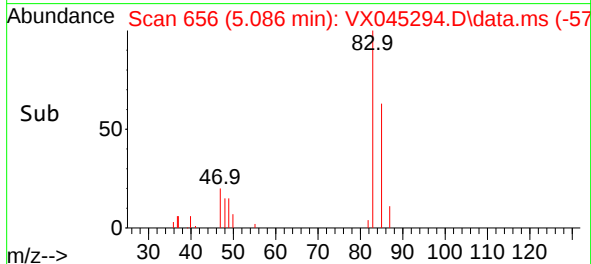
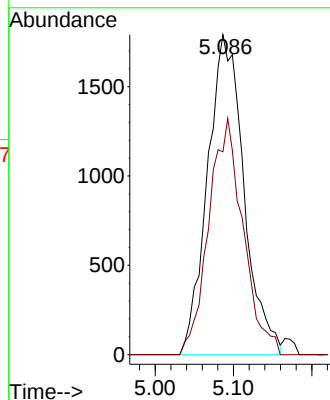
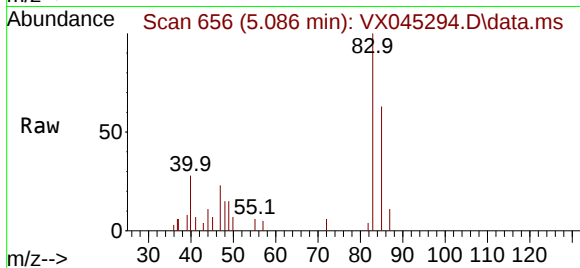
EFF-WASTE WATER

Tgt Ion: 83 Resp: 5773

Ion Ratio Lower Upper

83 100

85 63.4 51.7 77.5



#27

1,2-Dichloroethane-d4

Concen: 31.999 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX045294.D

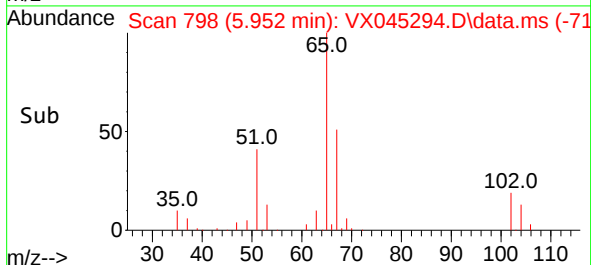
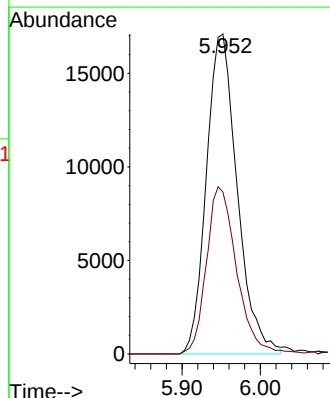
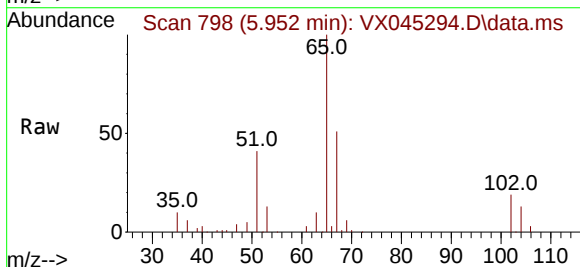
Acq: 14 Mar 2025 16:18

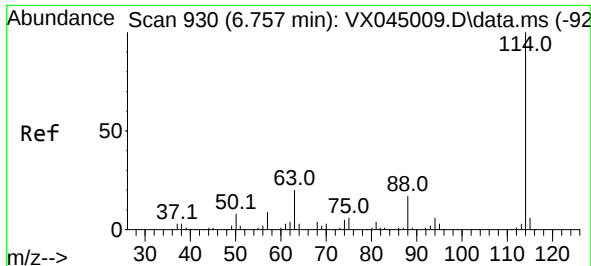
Tgt Ion: 65 Resp: 46762

Ion Ratio Lower Upper

65 100

67 51.3 42.6 64.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045294.D

Acq: 14 Mar 2025 16:18

Instrument :

MSVOA\_X

ClientSampleId :

EFF-WASTE WATER

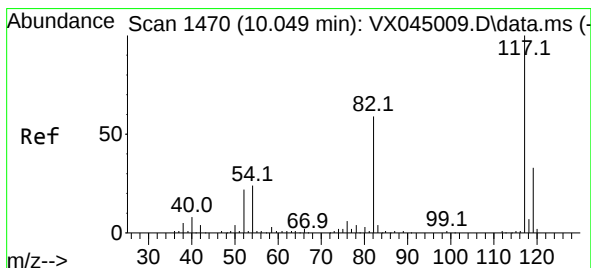
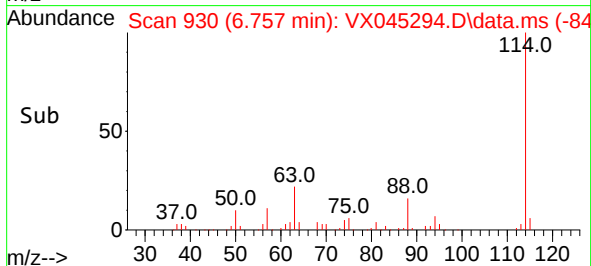
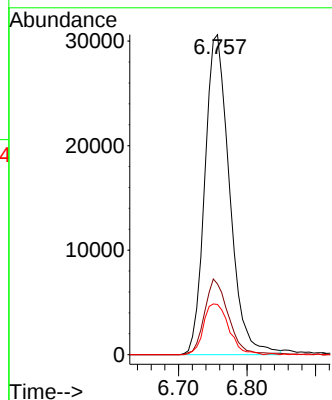
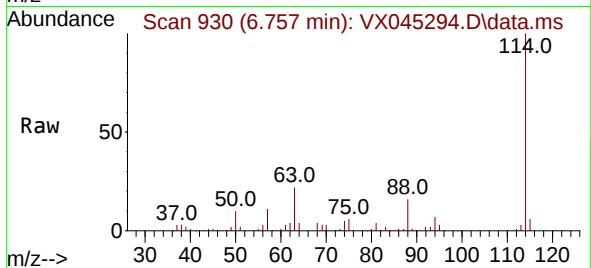
Tgt Ion:114 Resp: 76674

Ion Ratio Lower Upper

114 100

63 22.7 16.8 25.2

88 16.3 12.7 19.1



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045294.D

Acq: 14 Mar 2025 16:18

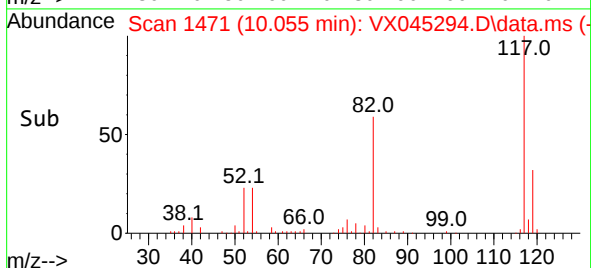
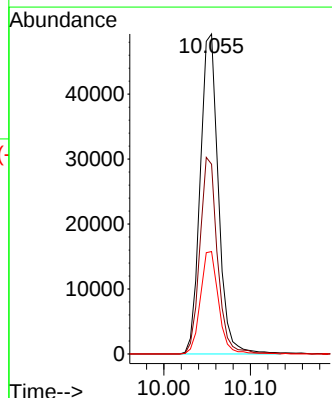
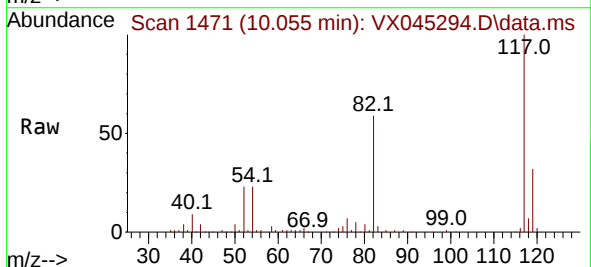
Tgt Ion:117 Resp: 71736

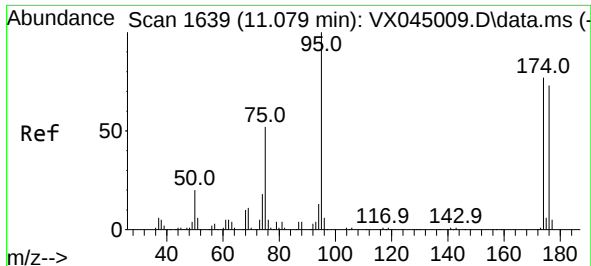
Ion Ratio Lower Upper

117 100

82 59.3 45.8 68.8

119 32.0 25.5 38.3

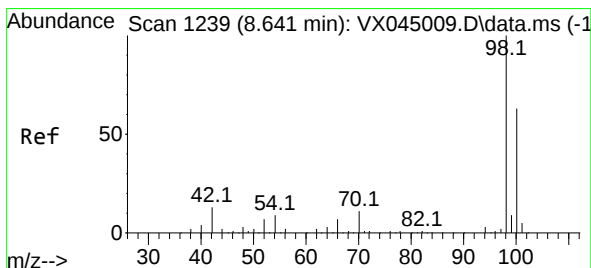
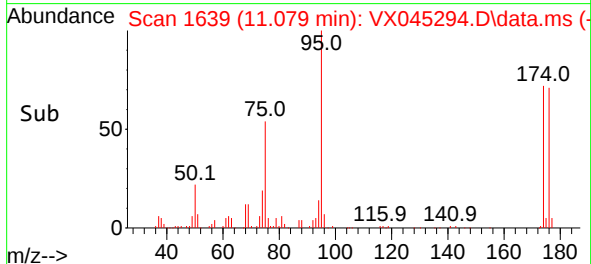
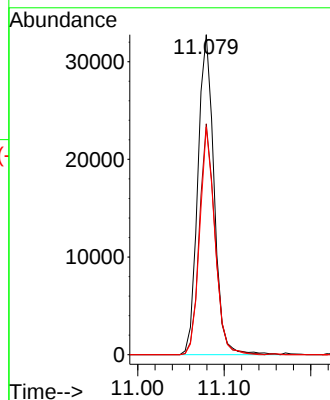
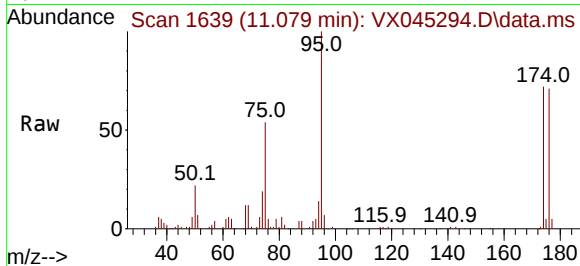




#60  
4-Bromofluorobenzene  
Concen: 31.752 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045294.D  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
EFF-WASTE WATER

Tgt Ion: 95 Resp: 42574  
Ion Ratio Lower Upper  
95 100  
174 68.8 59.5 89.3  
176 66.5 55.5 83.3



#63  
Toluene-d8  
Concen: 28.934 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VX045294.D  
Acq: 14 Mar 2025 16:18

Tgt Ion: 98 Resp: 114825  
Ion Ratio Lower Upper  
98 100  
100 65.4 51.7 77.5

