

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080624\  
 Data File : VX042864.D  
 Acq On : 06 Aug 2024 12:04  
 Operator : JC/MD  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Aug 07 04:56:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X080624W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Wed Aug 07 04:53:59 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 4.904  | 128  | 39956    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 6.763  | 114  | 244978   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 10.055 | 117  | 212351   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 27) 1,2-Dichloroethane-d4   | 5.958  | 65    | 108003   | 29.272   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 97.567%  |
| 60) 4-Bromofluorobenzene    | 11.079 | 95    | 95301    | 27.509   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 91.700%  |
| 63) Toluene-d8              | 8.647  | 98    | 296784   | 30.941   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 103.133% |

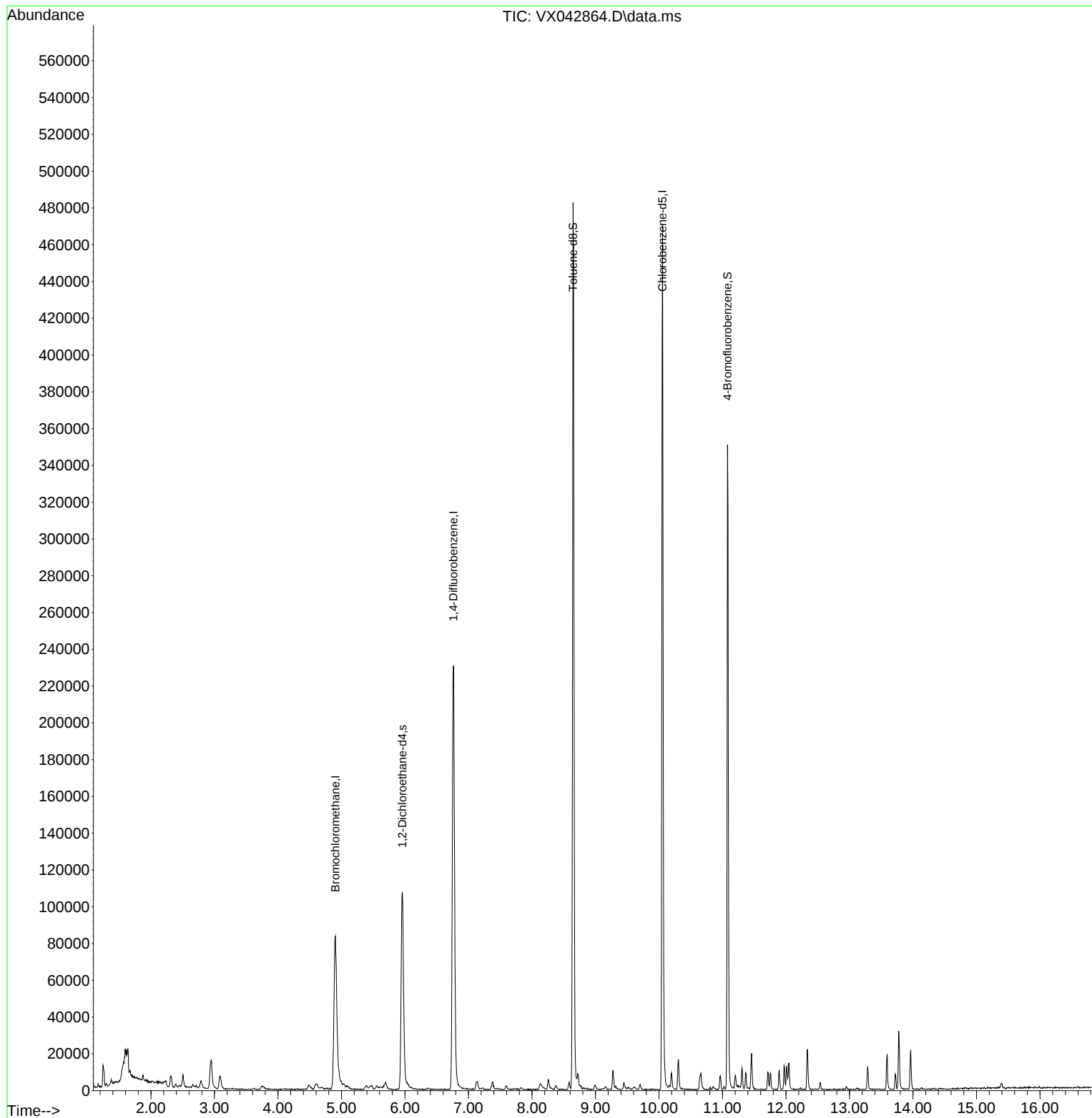
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

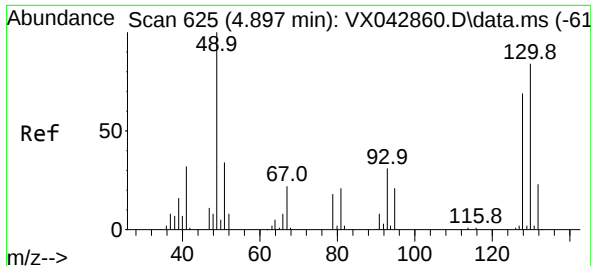
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Wed Aug 07 04:53:59 2024  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.904 min Scan# 61

Delta R.T. 0.007 min

Lab File: VX042864.D

Acq: 06 Aug 2024 12:04

Instrument :

MSVOA\_X

ClientSampleId :

IBLK

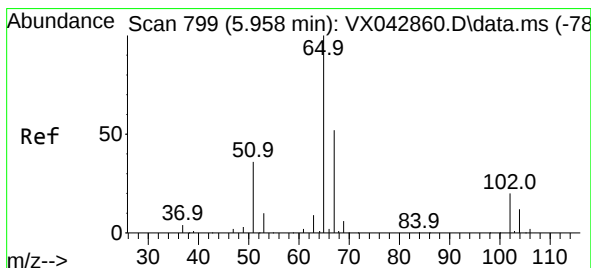
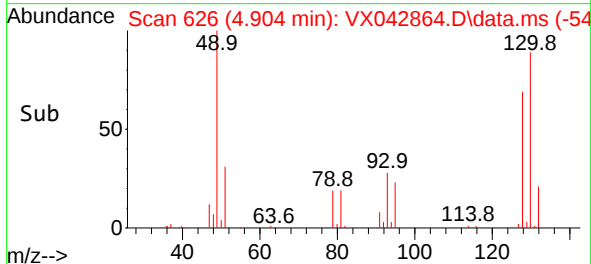
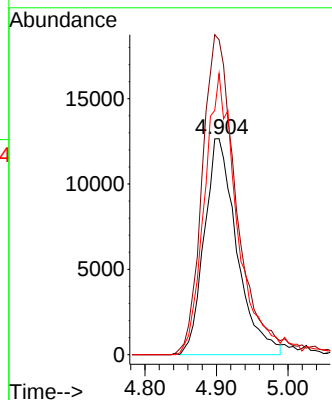
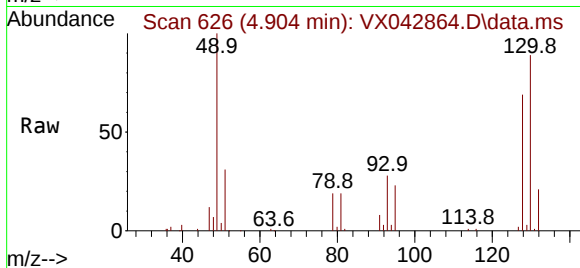
Tgt Ion:128 Resp: 39956

Ion Ratio Lower Upper

128 100

49 153.5 0.0 400.5

130 129.8 0.0 333.0



#27

1,2-Dichloroethane-d4

Concen: 29.272 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.001 min

Lab File: VX042864.D

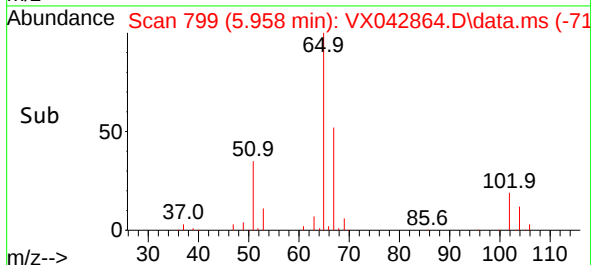
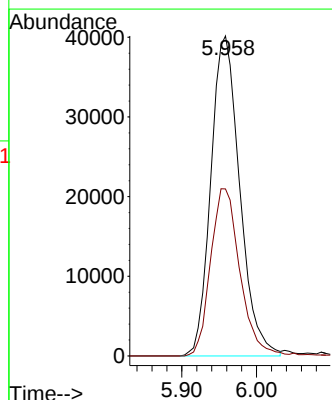
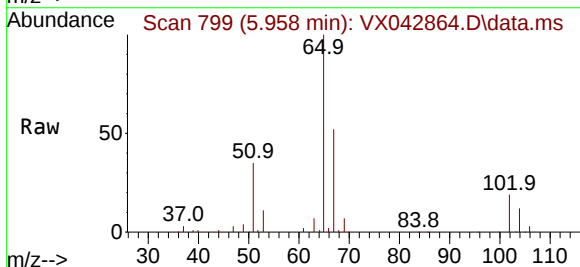
Acq: 06 Aug 2024 12:04

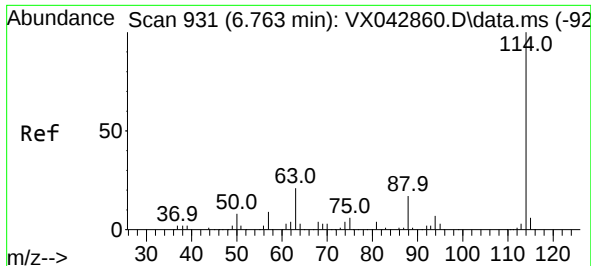
Tgt Ion: 65 Resp: 108003

Ion Ratio Lower Upper

65 100

67 52.9 40.6 60.8

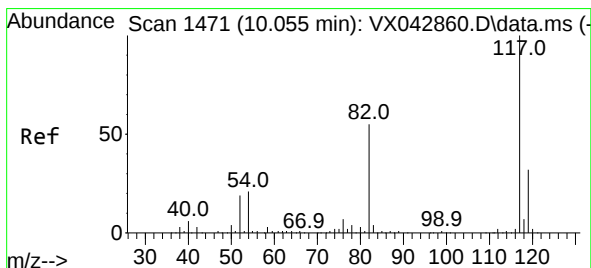
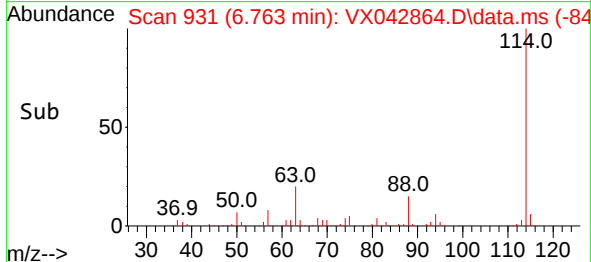
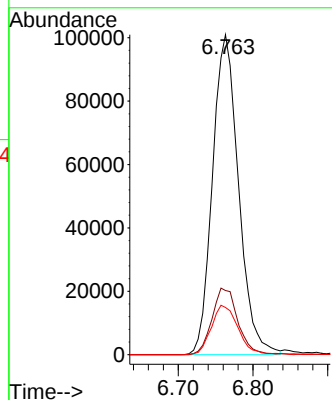
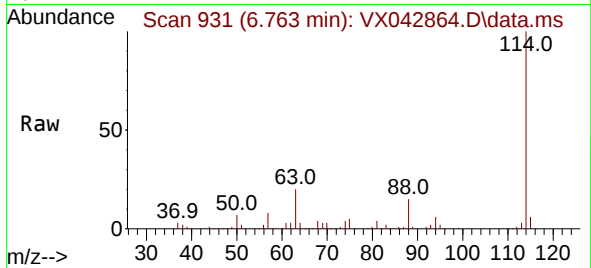




#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VX042864.D  
Acq: 06 Aug 2024 12:04

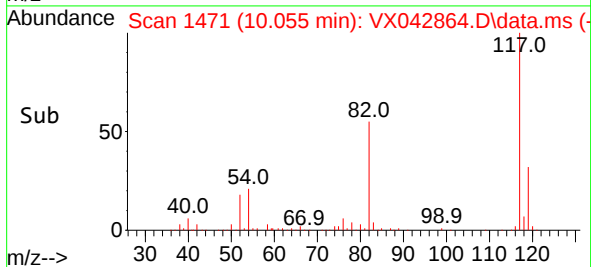
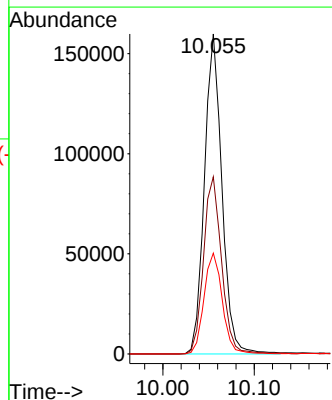
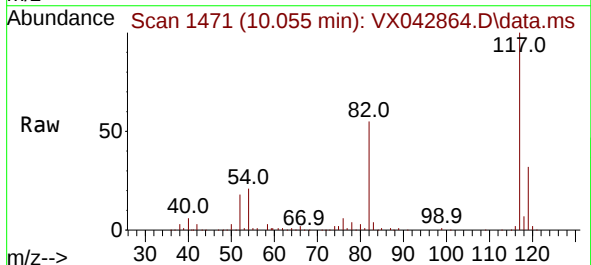
Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

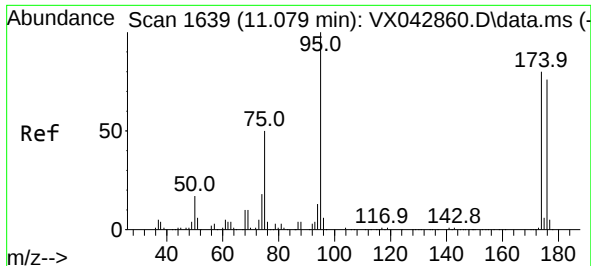
Tgt Ion:114 Resp: 244978  
Ion Ratio Lower Upper  
114 100  
63 20.5 16.0 24.0  
88 15.8 12.5 18.7



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.001 min  
Lab File: VX042864.D  
Acq: 06 Aug 2024 12:04

Tgt Ion:117 Resp: 212351  
Ion Ratio Lower Upper  
117 100  
82 57.0 44.9 67.3  
119 33.1 25.4 38.2

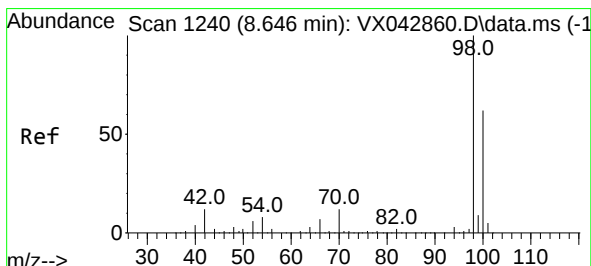
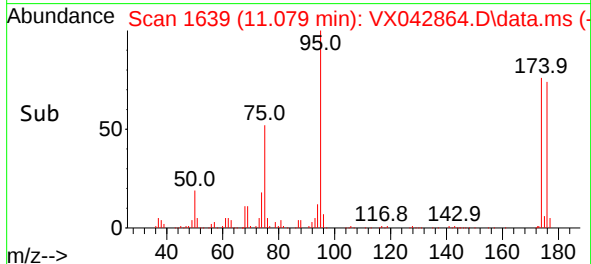
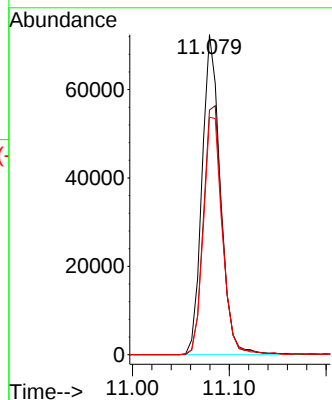
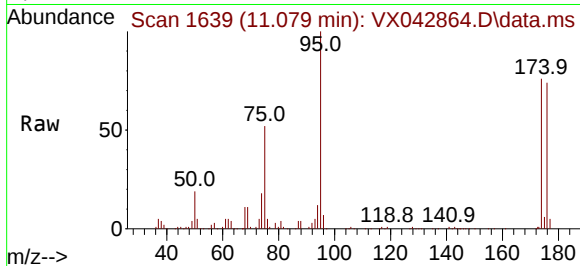




#60  
4-Bromofluorobenzene  
Concen: 27.509 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.001 min  
Lab File: VX042864.D  
Acq: 06 Aug 2024 12:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
IBLK

Tgt Ion: 95 Resp: 95301  
Ion Ratio Lower Upper  
95 100  
174 80.6 65.0 97.6  
176 77.1 63.4 95.0



#63  
Toluene-d8  
Concen: 30.941 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX042864.D  
Acq: 06 Aug 2024 12:04

Tgt Ion: 98 Resp: 296784  
Ion Ratio Lower Upper  
98 100  
100 62.7 50.9 76.3

