

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011524\  
 Data File : VL040980.D  
 Acq On : 15 Jan 2024 21:25  
 Operator : SY/MD  
 Sample : VIBLK  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jan 16 12:45:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL122023AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Jan 16 03:31:29 2024  
 Response via : Initial Calibration

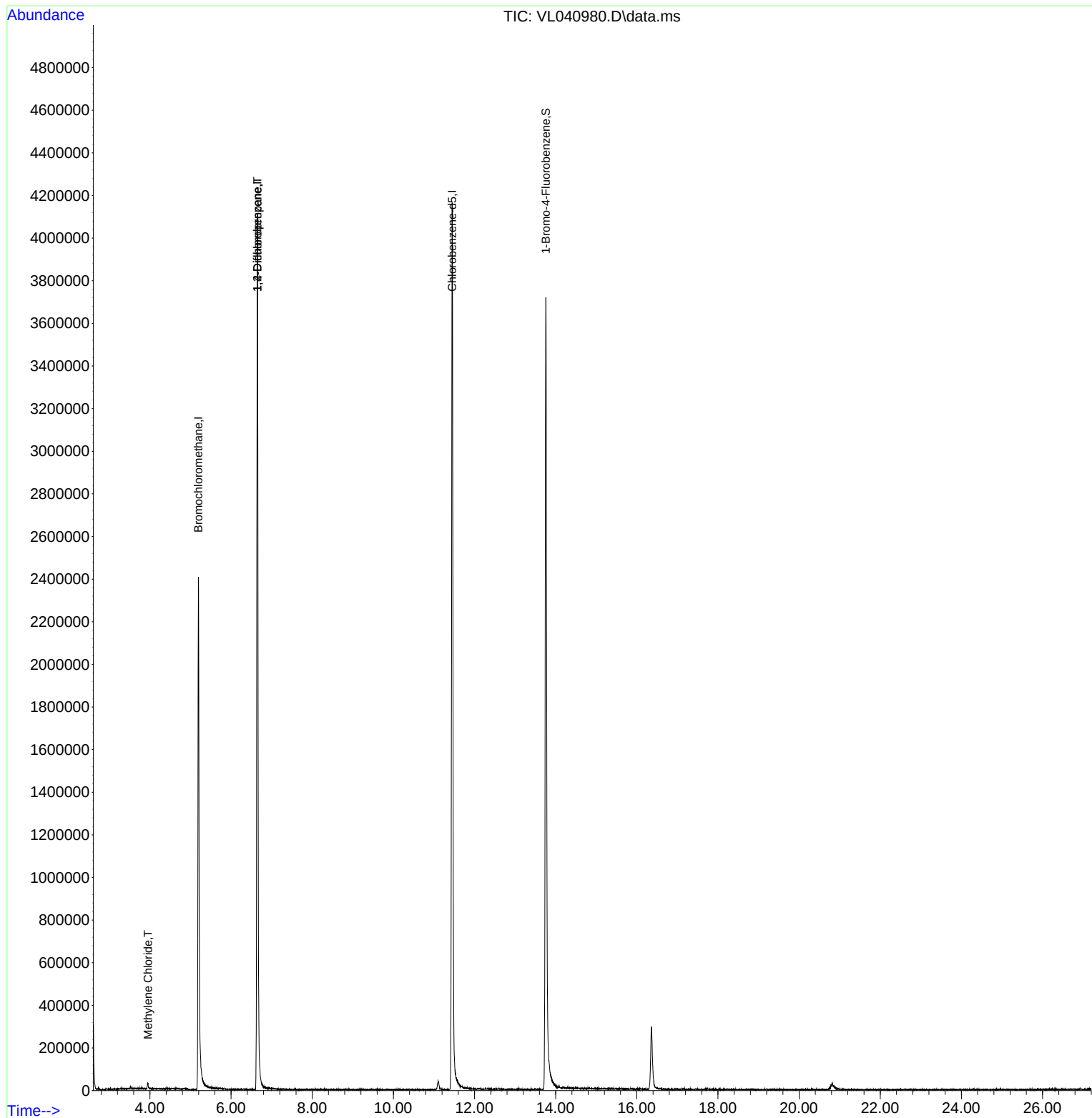
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.195  | 49    | 1264407  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.648  | 114   | 3311812  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.449 | 117   | 2843843  | 10.000   | ppbv   | 0.01     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.757 | 95    | 2044523  | 9.760    | ppbv   | 0.02     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 97.600%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 3.951  | 84    | 1441     | 0.027    | ppbv # | 45       |
| 39) 1,2-Dichloropropane     | 6.645  | 63    | 800077   | 7.864    | ppbv # | 25       |
| -----                       |        |       |          |          |        |          |

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

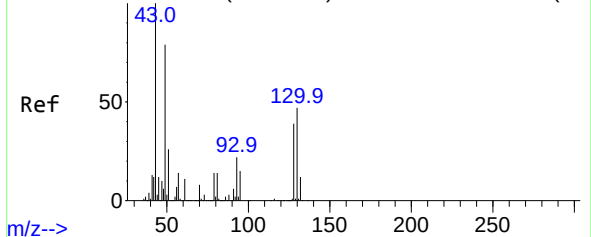
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011524\  
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Tue Jan 16 03:31:29 2024  
Response via : Initial Calibration

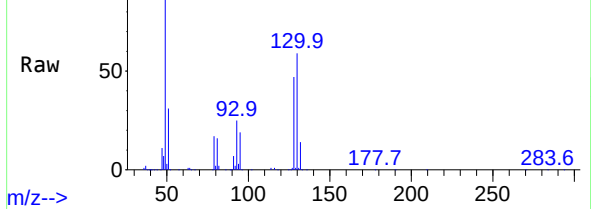


Abundance Scan 800 (5.176 min): VL040914.D\data.ms (-78



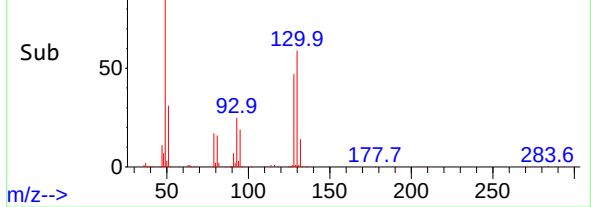
m/z-->

Abundance Scan 806 (5.195 min): VL040980.D\data.ms



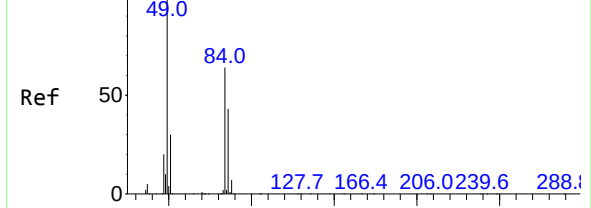
m/z-->

Abundance Scan 806 (5.195 min): VL040980.D\data.ms (-65



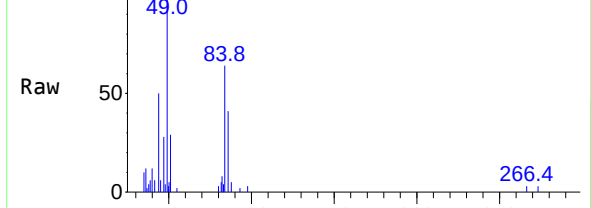
m/z-->

Abundance Scan 410 (3.922 min): VL040914.D\data.ms (-39



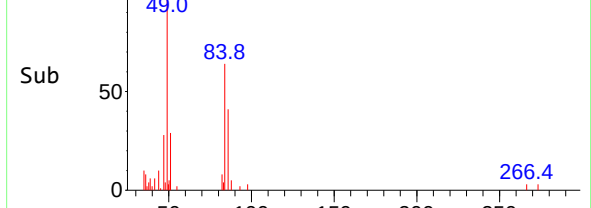
m/z-->

Abundance Scan 419 (3.951 min): VL040980.D\data.ms



m/z-->

Abundance Scan 419 (3.951 min): VL040980.D\data.ms (-26



m/z-->

#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.195 min Scan# 800

Delta R.T. -0.000 min

Lab File: VL040980.D

Acq: 15 Jan 2024 21:25

Tgt Ion: 49 Resp: 1264407

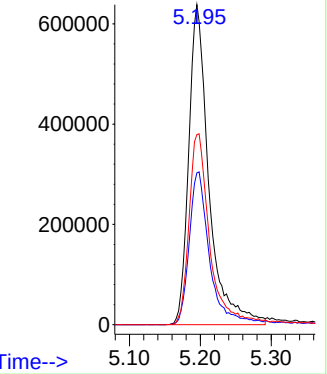
Ion Ratio Lower Upper

49 100

128 49.0 23.8 71.2

130 63.2 30.1 90.5

Abundance



#20

Methylene Chloride

Concen: 0.027 ppbv

RT: 3.951 min Scan# 419

Delta R.T. -0.000 min

Lab File: VL040980.D

Acq: 15 Jan 2024 21:25

Tgt Ion: 84 Resp: 1441

Ion Ratio Lower Upper

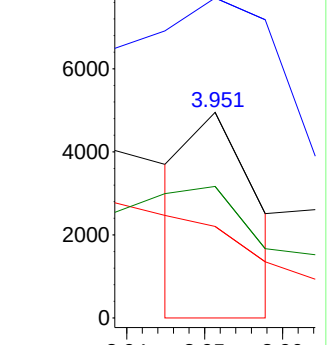
84 100

49 43.5 124.6 187.0#

51 35.0 37.2 55.8#

86 61.5 53.4 80.0

Abundance

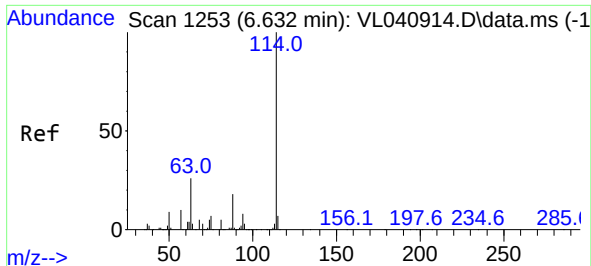


Time-->

Instrument :

MSVOA\_L

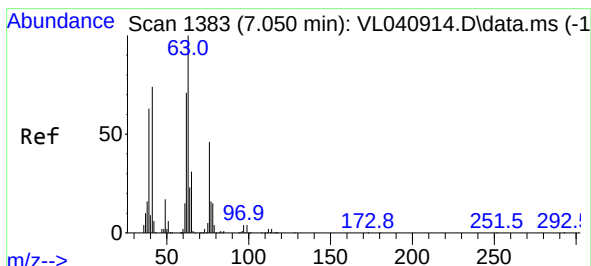
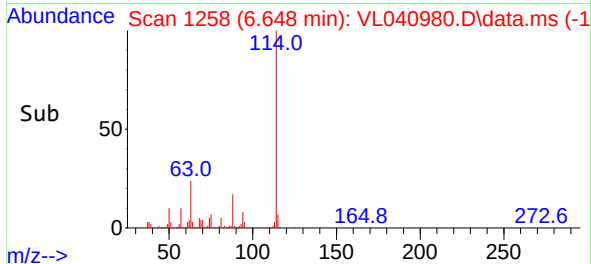
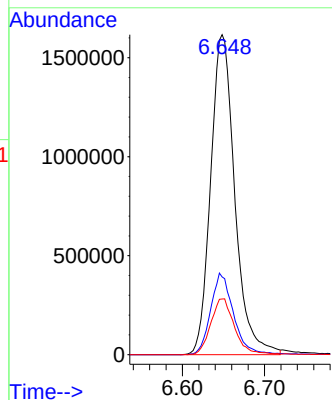
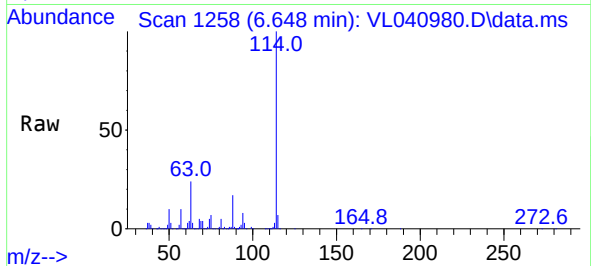
ClientSampleId :



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.648 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VL040980.D  
Acq: 15 Jan 2024 21:25

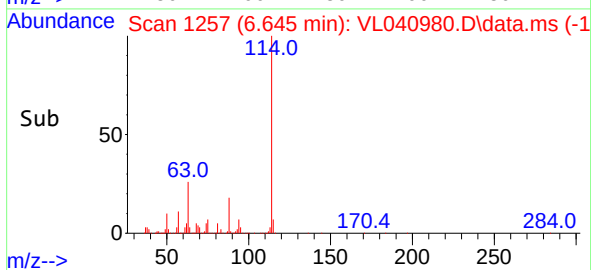
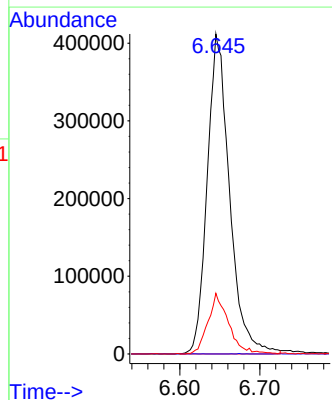
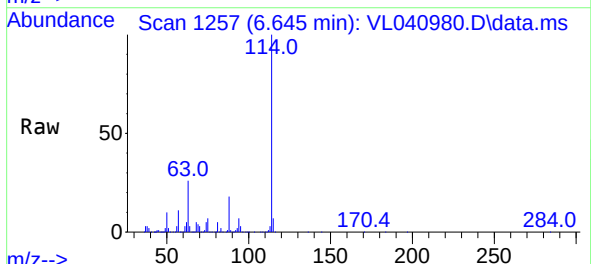
Instrument :  
MSVOA\_L  
ClientSampleId :

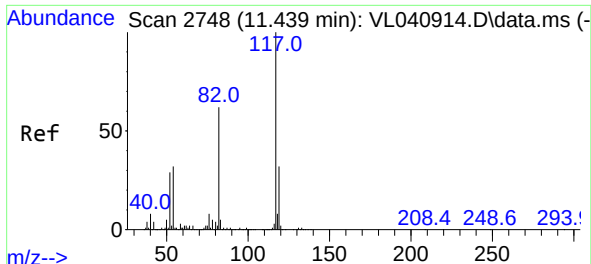
Tgt Ion:114 Resp: 3311812  
Ion Ratio Lower Upper  
114 100  
63 24.5 21.0 31.6  
88 17.5 14.3 21.5



#39  
1,2-Dichloropropane  
Concen: 7.864 ppbv  
RT: 6.645 min Scan# 1257  
Delta R.T. -0.415 min  
Lab File: VL040980.D  
Acq: 15 Jan 2024 21:25

Tgt Ion: 63 Resp: 800077  
Ion Ratio Lower Upper  
63 100  
41 0.0 59.0 88.6#  
62 18.9 56.6 85.0#

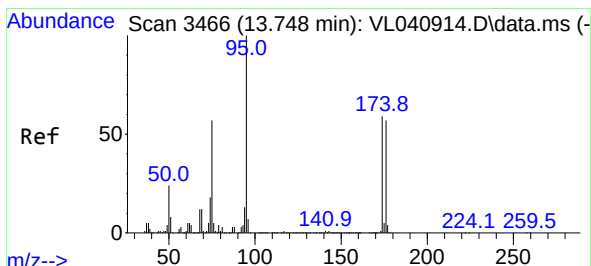
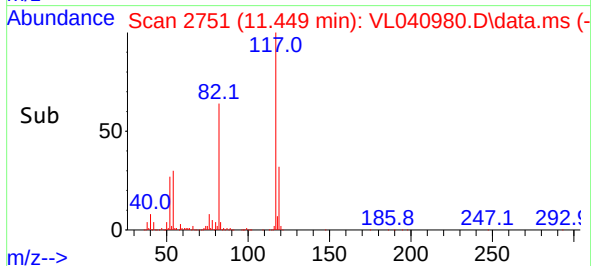
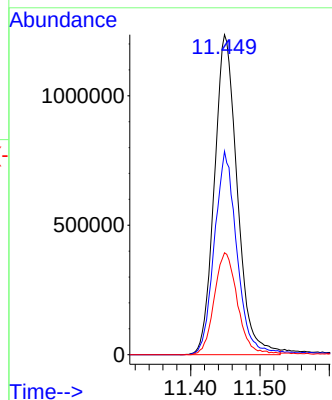
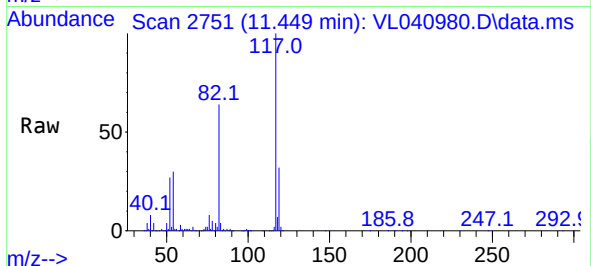




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.449 min Scan# 21  
Delta R.T. 0.013 min  
Lab File: VL040980.D  
Acq: 15 Jan 2024 21:25

Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion:117 Resp: 2843843  
Ion Ratio Lower Upper  
117 100  
82 63.9 49.6 74.4  
119 32.8 23.4 35.0



#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.760 ppbv  
RT: 13.757 min Scan# 3469  
Delta R.T. 0.019 min  
Lab File: VL040980.D  
Acq: 15 Jan 2024 21:25

Tgt Ion: 95 Resp: 2044523  
Ion Ratio Lower Upper  
95 100  
174 63.5 48.0 72.0  
175 4.9 3.7 5.5

