

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\  
 Data File : VL036992.D  
 Acq On : 19 May 2021 14:51  
 Operator : SY/AP  
 Sample : M2262-15 0.03  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 MDL-AIR-03-QT2-2021

Manual Integrations  
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Quant Time: May 20 07:23:38 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue May 18 2021  
 QLast Update : Tue May 18 12:00:15 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1119965  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 3405013  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 3049988  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2352359  | 10.27    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 102.70% |

| Target Compounds      |       |     |       |       | Ovalue |
|-----------------------|-------|-----|-------|-------|--------|
| 38) Trichloroethene   | 7.81  | 130 | 3886m | 0.031 | ppbv   |
| 52) Tetrachloroethene | 11.20 | 164 | 3705m | 0.032 | ppbv   |

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

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Misc : 400mL/MSVOA L  
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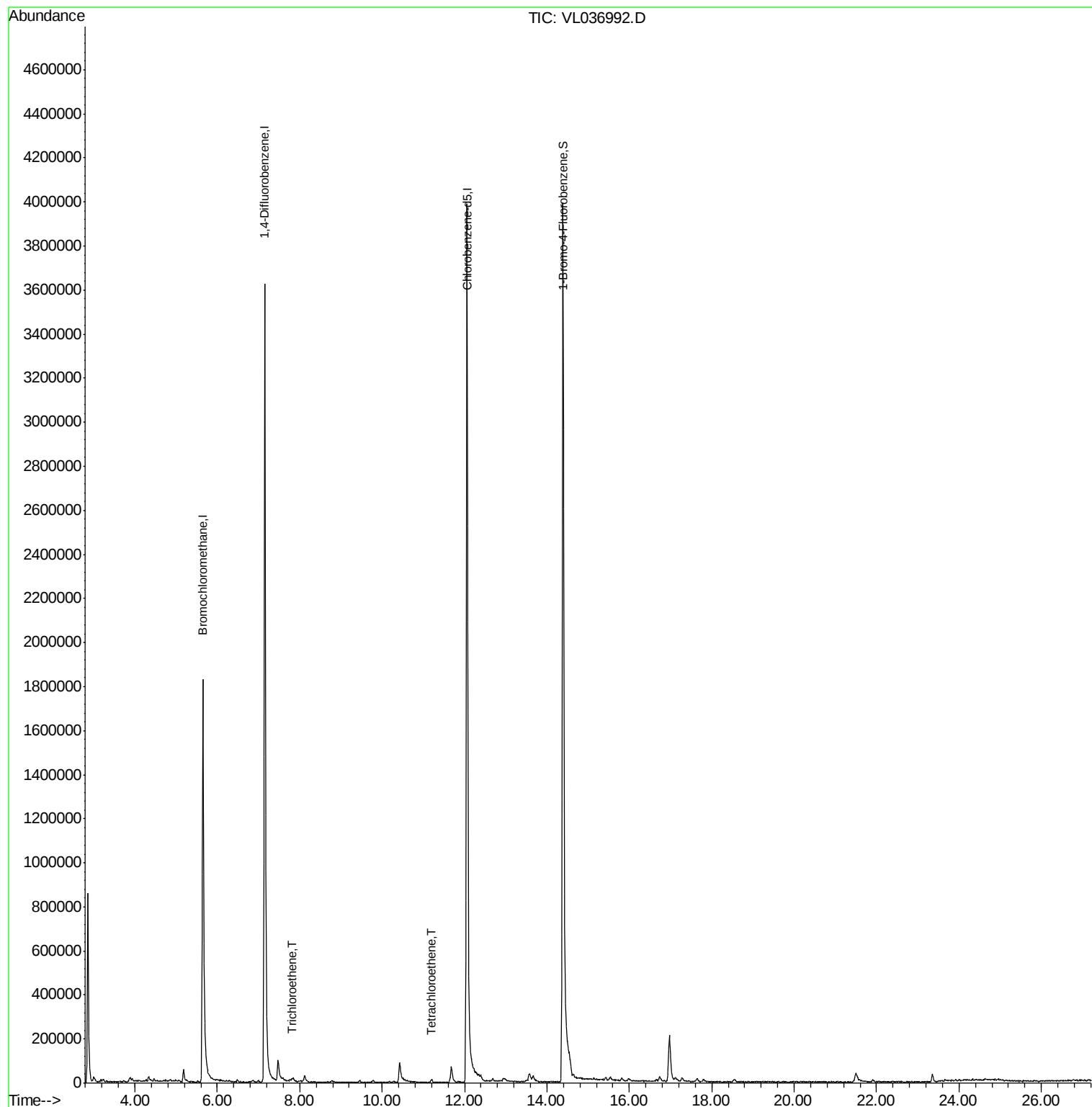
Instrument :  
MSVOA\_L  
ClientSampleId :  
MDL-AIR-03-QT2-2021

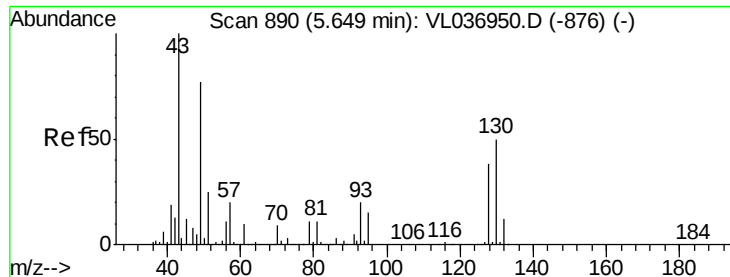
Quant Time: May 20 07:23:38 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LTue May  
QLast Update : Tue May 18 12:00:15 2021  
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL036992.D

Acq: 19 May 2021 14:51

Instrument :

MSVOA\_L

ClientSampleId :

MDL-AIR-03-QT2-2021

Tot Ion: 49 Resp: 1119965

Ion Ratio Lower Upper

49 100

128 57.9 26.9 80.7

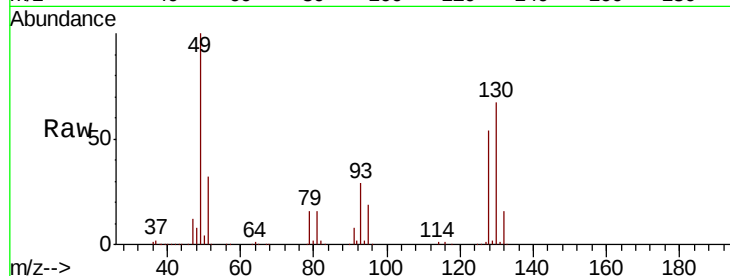
130 74.4 33.8 101.4

Manual Integrations  
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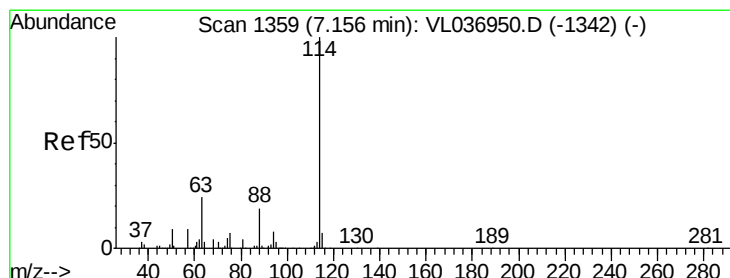
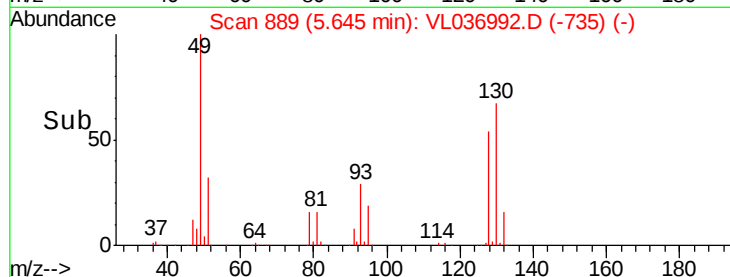
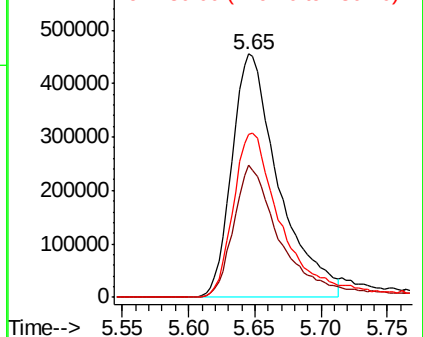
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL036992.D

Acq: 19 May 2021 14:51

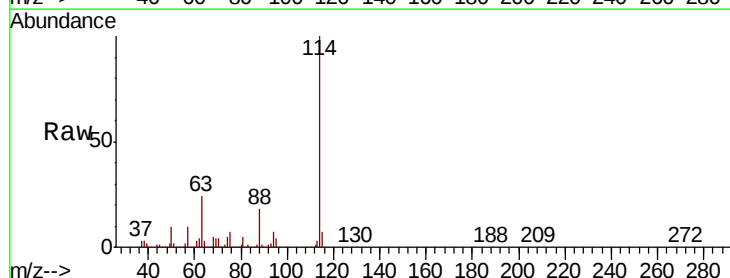
Tgt Ion: 114 Resp: 3405013

Ion Ratio Lower Upper

114 100

63 24.4 19.6 29.4

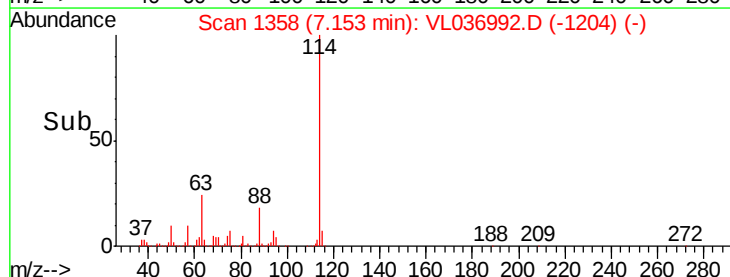
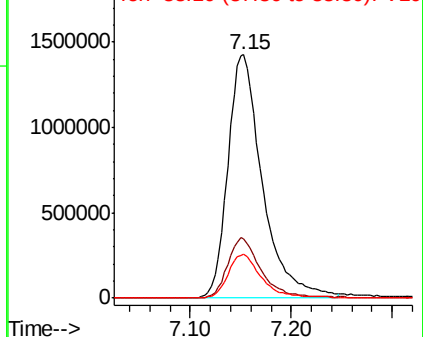
88 18.0 14.6 21.8

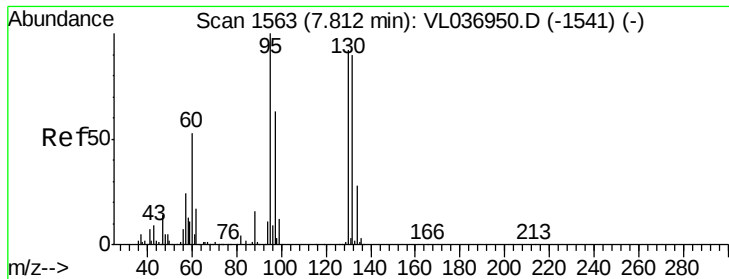


Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#38  
 Trichloroethene  
 Concen: 0.031 ppbv m  
 RT: 7.81 min Scan# 1563  
 Delta R.T. -0.00 min  
 Lab File: VL036992.D  
 Acq: 19 May 2021 14:51

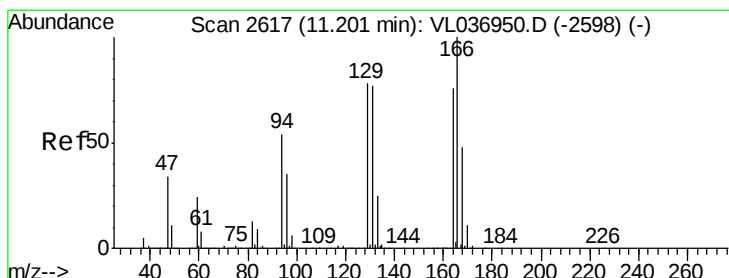
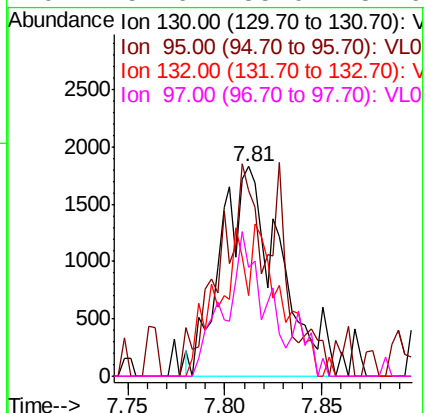
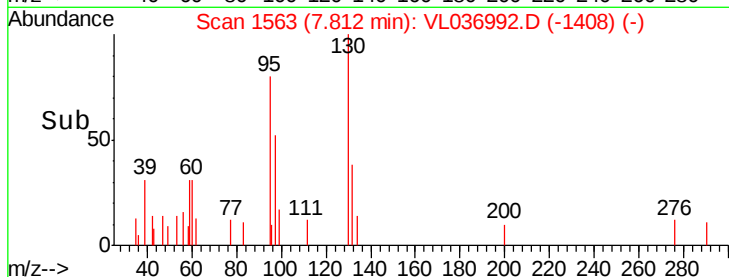
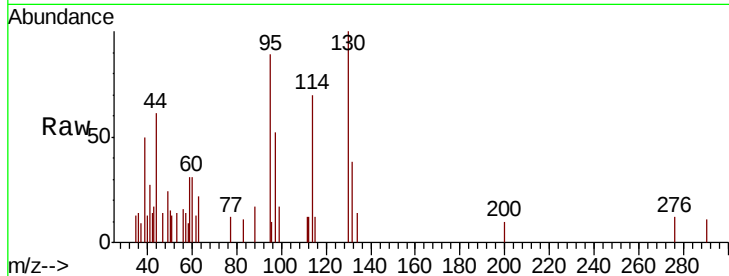
Instrument :  
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| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 130     | 100   |       |        |
| 95      | 88.7  | 86.9  | 130.3  |
| 132     | 38.4  | 78.4  | 117.6# |
| 97      | 51.6  | 55.0  | 82.6#  |

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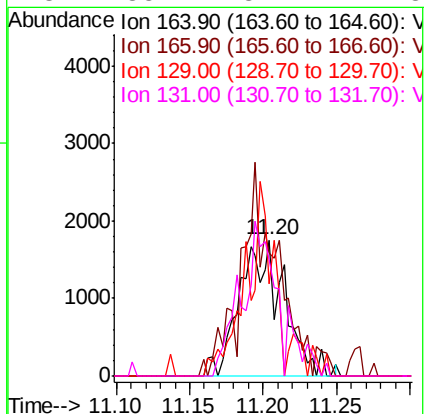
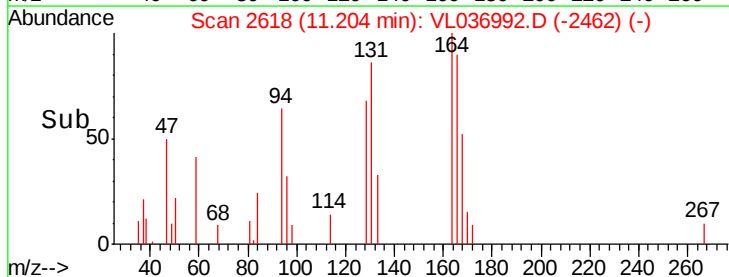
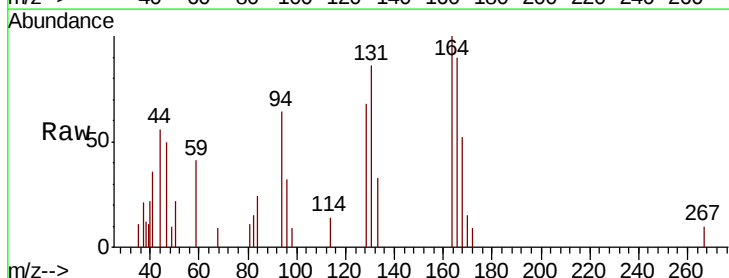
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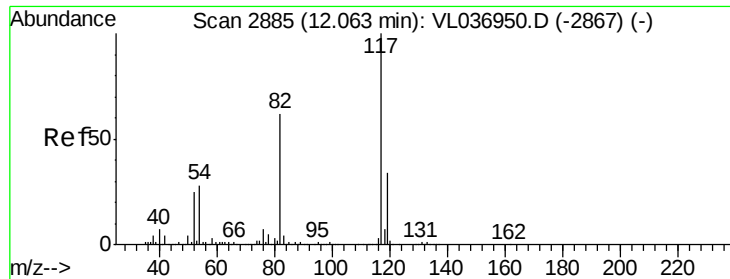
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#52  
 Tetrachloroethene  
 Concen: 0.032 ppbv m  
 RT: 11.20 min Scan# 2618  
 Delta R.T. 0.00 min  
 Lab File: VL036992.D  
 Acq: 19 May 2021 14:51

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 164     | 100   |       |        |
| 166     | 90.2  | 105.5 | 158.3# |
| 129     | 67.5  | 81.8  | 122.8# |
| 131     | 85.7  | 81.2  | 121.8  |





#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.06 min Scan# 2884  
Delta R.T. -0.00 min  
Lab File: VL036992.D  
Acq: 19 May 2021 14:51

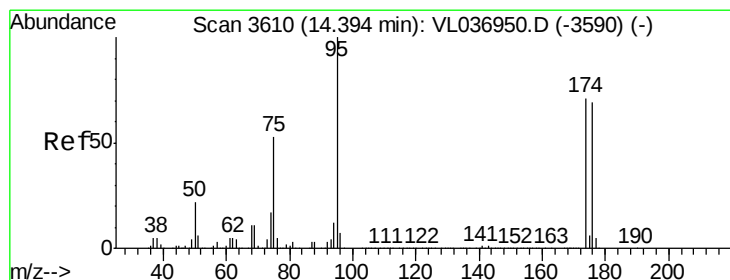
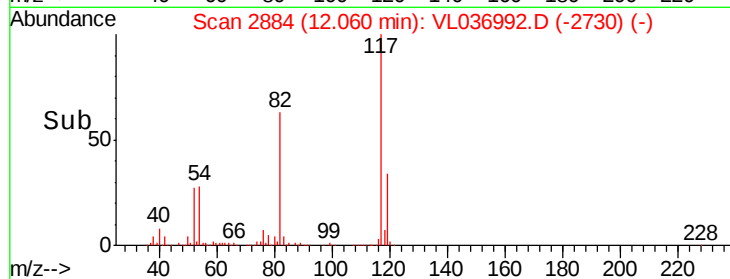
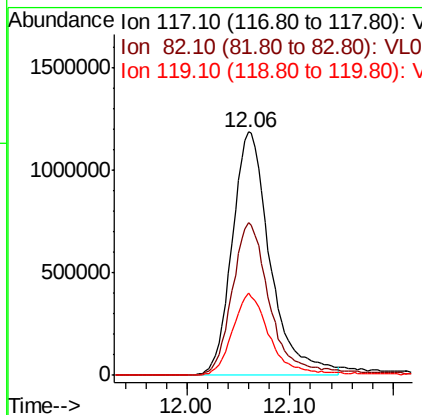
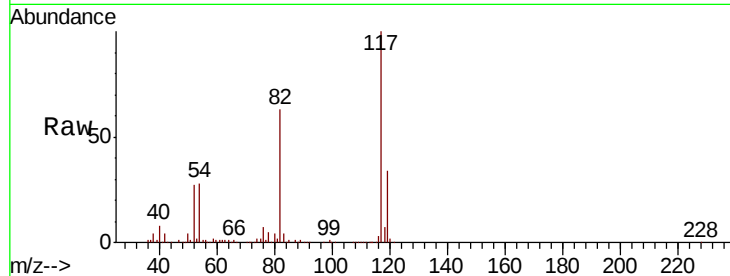
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Tot Ion: 117 Resp: 3049988  
Ion Ratio Lower Upper  
117 100  
82 65.0 52.6 79.0  
119 34.8 46.6 70.0#

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#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.267 ppbv  
RT: 14.39 min Scan# 3609  
Delta R.T. -0.00 min  
Lab File: VL036992.D  
Acq: 19 May 2021 14:51

Tgt Ion: 95 Resp: 2352359  
Ion Ratio Lower Upper  
95 100  
174 74.8 58.4 87.6  
175 5.3 4.4 6.6

