

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL112420\  
Quantitation Report (Not Reviewed)

Data File : VL035995.D  
Acq On : 24 Nov 2020 13:04  
Operator : SY/AP  
Sample : VL1124ABL01  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1124ABL01

Quant Time: Nov 25 00:31:04 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL110320AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LWed Nov 04 02:40:06 2020  
QLast Update : Wed Nov 04 02:40:06 2020  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.64  | 49   | 1363753  | 10.00 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 4702902  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 4421068  | 10.00 | ppbv  | -0.03    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 3425583  | 10.91    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 109.10% |

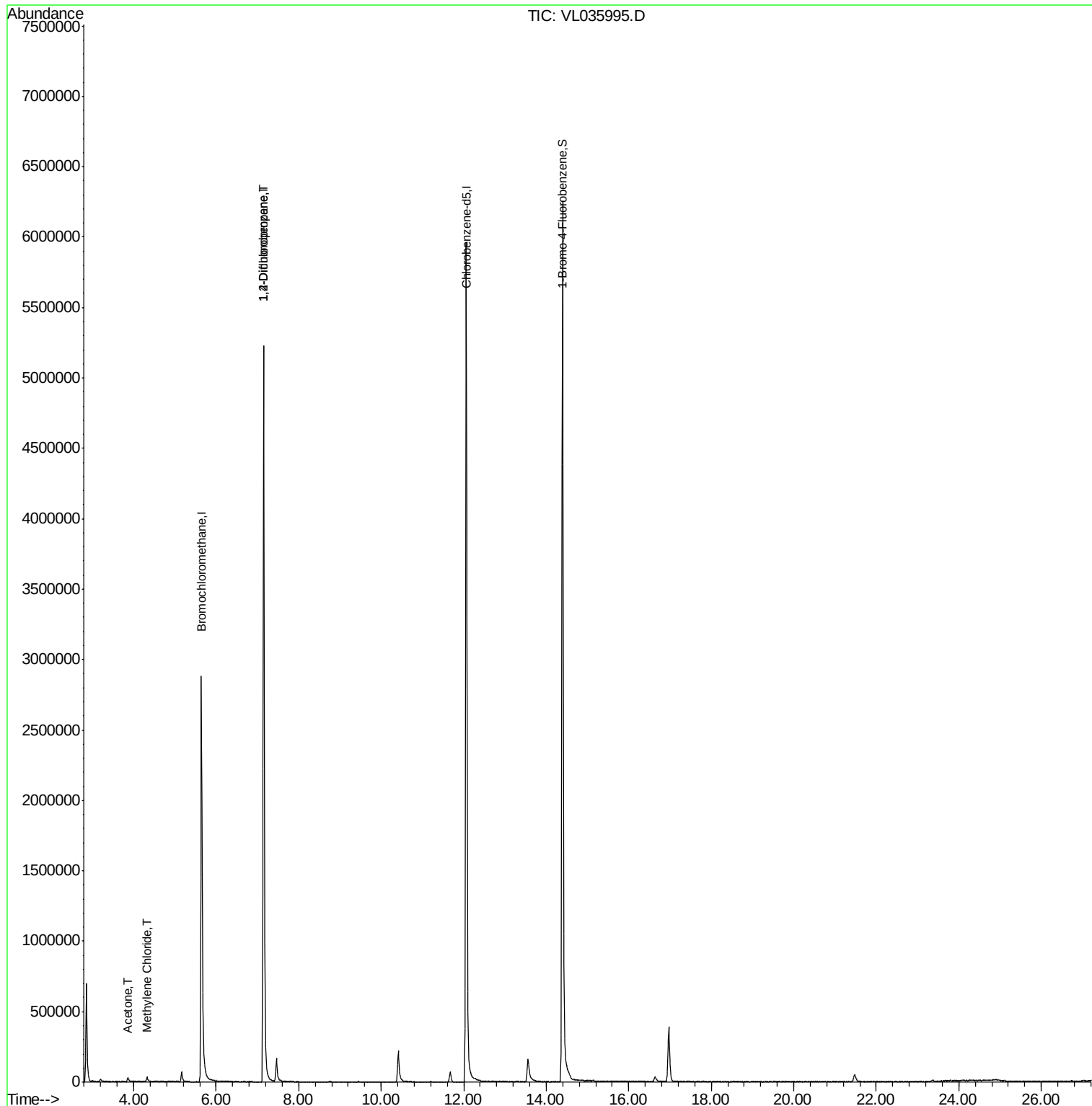
| Target Compounds        |      |    |        |       | Qvalue |    |
|-------------------------|------|----|--------|-------|--------|----|
| 15) Acetone             | 3.85 | 43 | 24769  | 0.170 | ppbv # | 1  |
| 20) Methylene Chloride  | 4.32 | 84 | 18298  | 0.178 | ppbv   | 90 |
| 39) 1,2-Dichloropropane | 7.15 | 63 | 992961 | 8.436 | ppbv # | 30 |

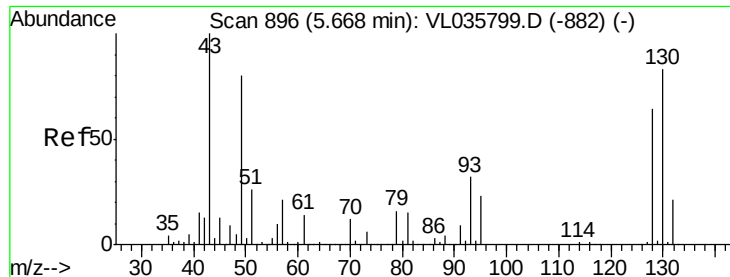
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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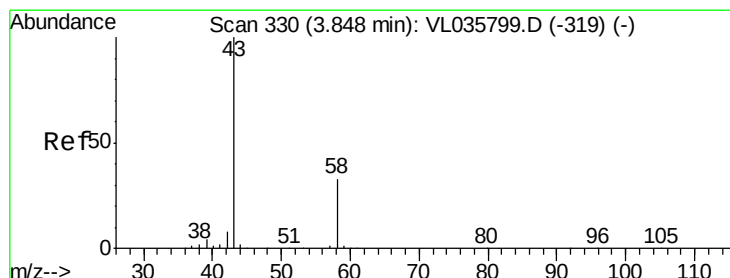
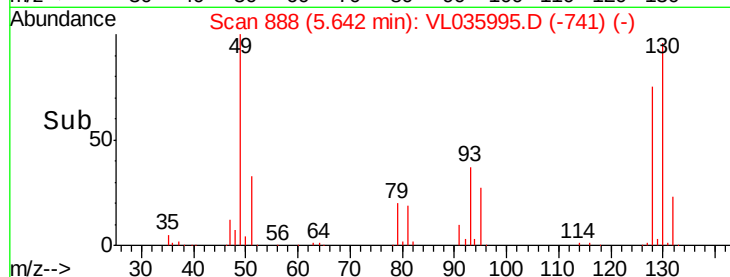
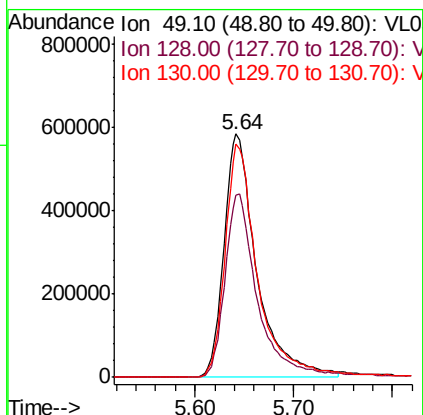
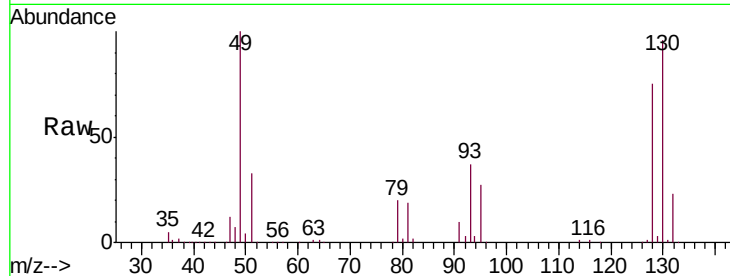




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.64 min Scan# 888  
 Delta R.T. -0.03 min  
 Lab File: VL035995.D  
 Acq: 24 Nov 2020 13:04

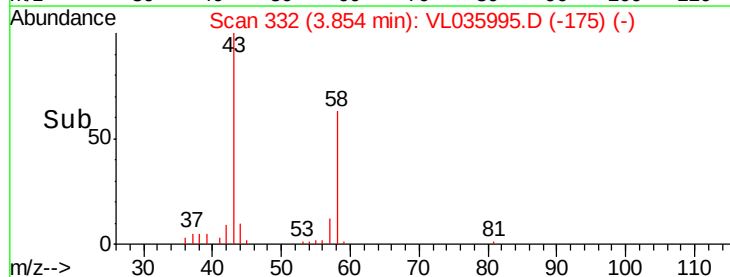
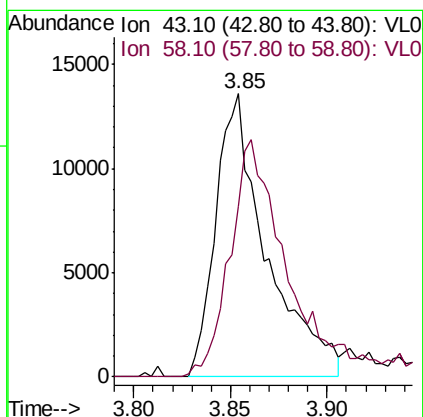
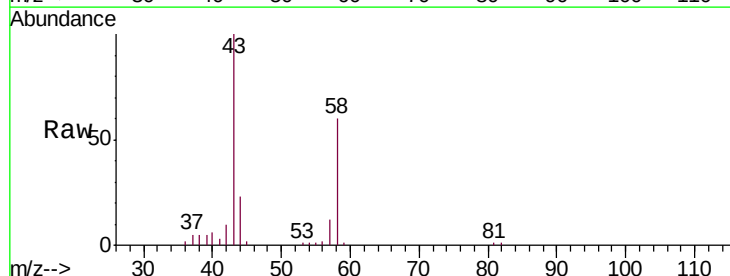
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1124ABL01

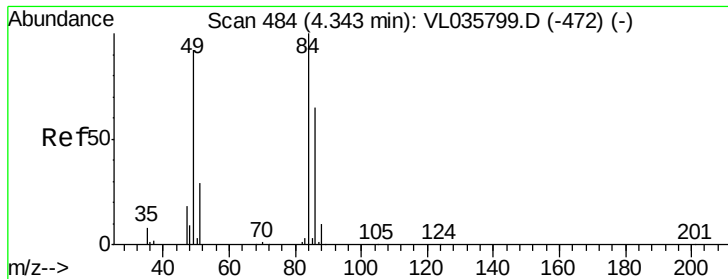
Tgt Ion: 49 Resp: 1363753  
 Ion Ratio Lower Upper  
 49 100  
 128 75.3 41.5 124.6  
 130 98.0 53.7 161.1



#15  
 Acetone  
 Concen: 0.170 ppbv  
 RT: 3.85 min Scan# 332  
 Delta R.T. 0.01 min  
 Lab File: VL035995.D  
 Acq: 24 Nov 2020 13:04

Tgt Ion: 43 Resp: 24769  
 Ion Ratio Lower Upper  
 43 100  
 58 98.5 27.5 41.3#

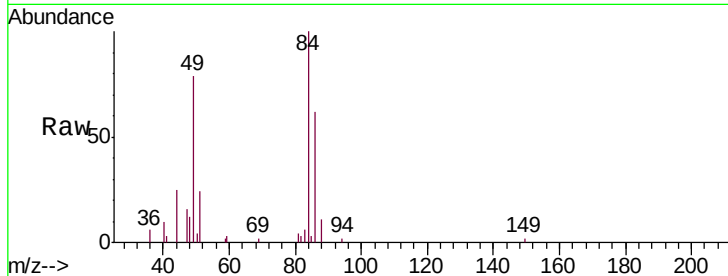




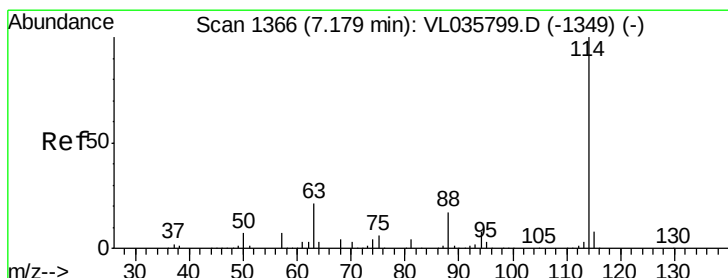
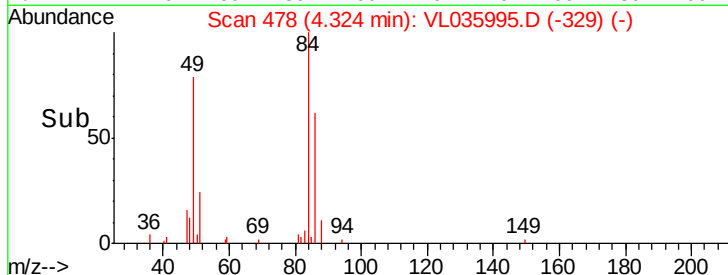
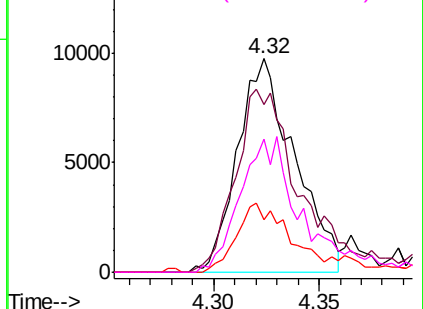
#20  
Methylene Chloride  
Concen: 0.178 ppbv  
RT: 4.32 min Scan# 478  
Delta R.T. -0.02 min  
Lab File: VL035995.D  
Acq: 24 Nov 2020 13:04

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1124ABL01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 18298 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 78.6  | 73.8  | 110.8 |
| 51       | 24.4  | 23.0  | 34.4  |
| 86       | 62.2  | 52.1  | 78.1  |

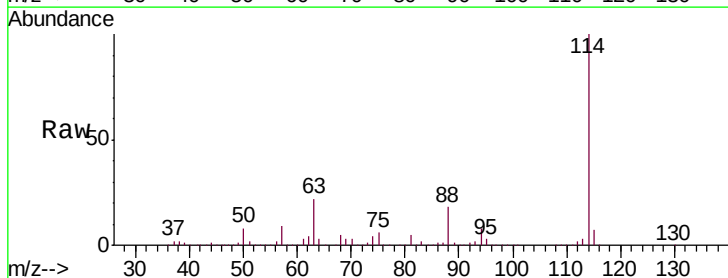


Abundance Ion 84.00 (83.70 to 84.70): VL0  
Ion 49.10 (48.80 to 49.80): VL0  
Ion 51.10 (50.80 to 51.80): VL0  
Ion 86.00 (85.70 to 86.70): VL0

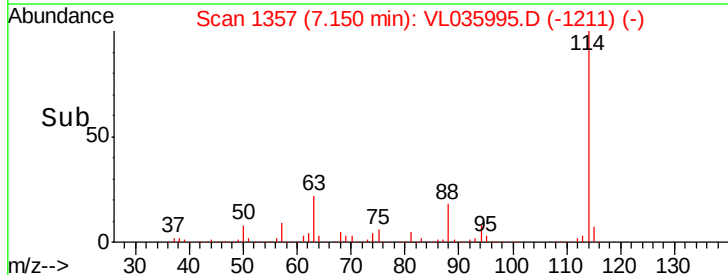
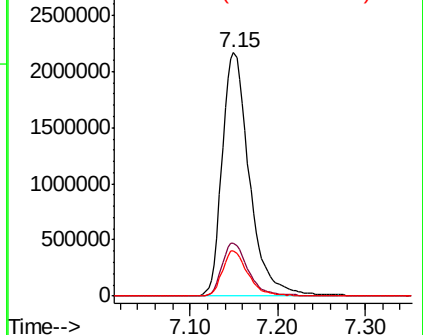


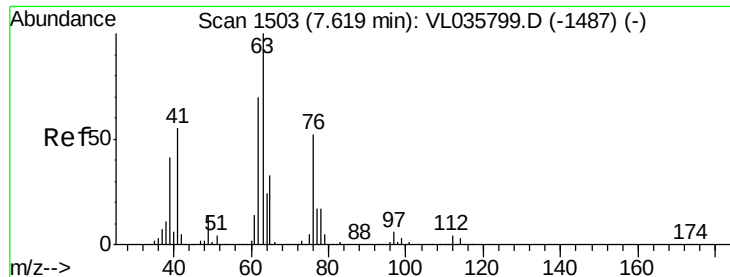
#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.15 min Scan# 1357  
Delta R.T. -0.03 min  
Lab File: VL035995.D  
Acq: 24 Nov 2020 13:04

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 114   | Resp: | 4702902 |
| Ion      | Ratio | Lower | Upper   |
| 114      | 100   |       |         |
| 63       | 21.5  | 16.1  | 24.1    |
| 88       | 17.7  | 13.7  | 20.5    |



Abundance Ion 114.10 (113.80 to 114.80): V  
Ion 63.10 (62.80 to 63.80): VL0  
Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.436 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.47 min

Lab File: VL035995.D

Acq: 24 Nov 2020 13:04

Instrument :

MSVOA\_L

ClientSampleId :

VL1124ABL01

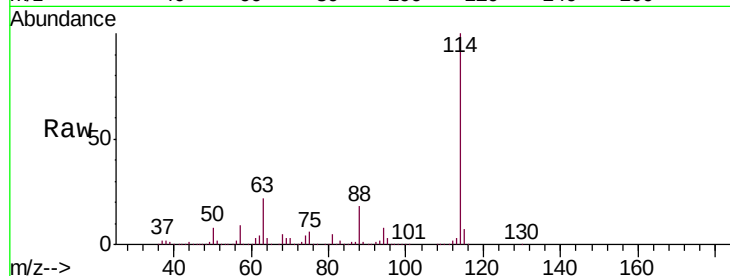
Tgt Ion: 63 Resp: 992961

Ion Ratio Lower Upper

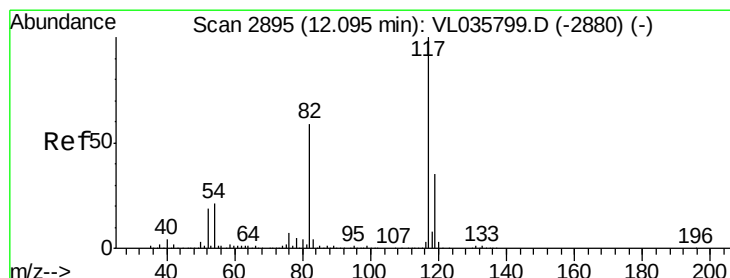
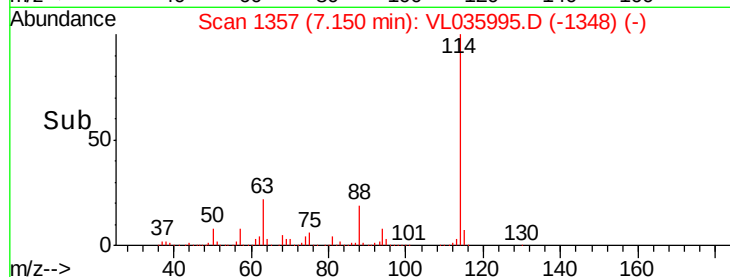
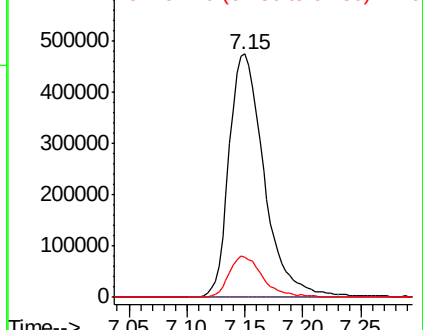
63 100

41 0.1 43.8 65.6#

62 16.6 56.2 84.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0  
Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL035995.D

Acq: 24 Nov 2020 13:04

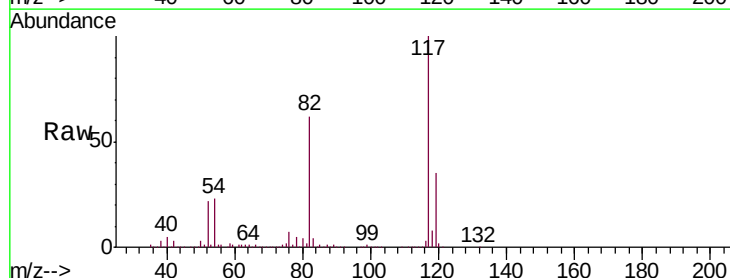
Tgt Ion: 117 Resp: 4421068

Ion Ratio Lower Upper

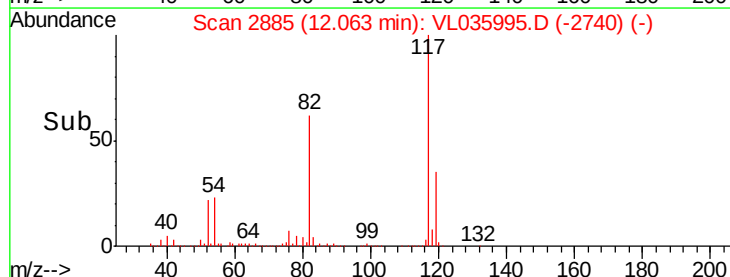
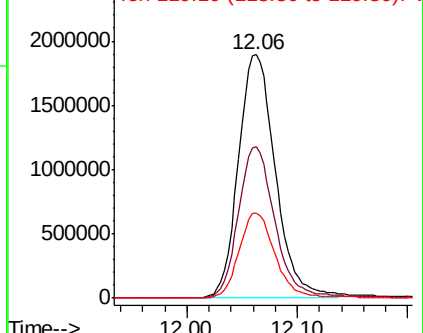
117 100

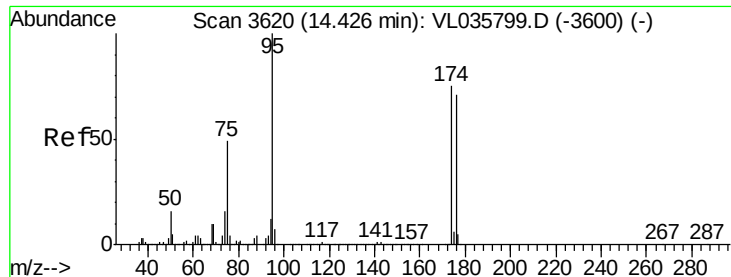
82 62.6 50.6 76.0

119 34.7 52.6 78.8#



Abundance Ion 117.10 (116.80 to 117.80): V  
Ion 82.10 (81.80 to 82.80): VL0  
Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.906 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL035995.D

Acq: 24 Nov 2020 13:04

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ClientSampleId :

VL1124ABL01

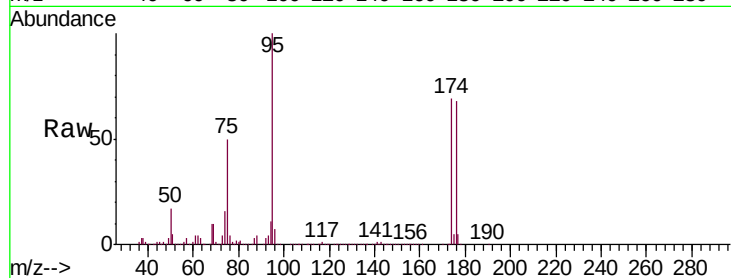
Tgt Ion: 95 Resp: 3425583

Ion Ratio Lower Upper

95 100

174 70.6 59.8 89.6

175 5.0 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

