

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL102419\  
Quantitation Report (Not Reviewed)

Data File : VL034343.D  
Acq On : 24 Oct 2019 12:09  
Operator : SY/AP  
Sample : VL1024ABL01  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1024ABL01

Quant Time: Oct 25 01:32:36 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL101619AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Oct 17 05:12:37 2019  
QLast Update : Thu Oct 17 05:12:37 2019  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.68  | 49   | 1097914  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.20  | 114  | 2114378  | 10.00 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 12.14 | 117  | 2120012  | 10.00 | ppbv  | -0.01    |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.47  | 95    | 1774334  | 9.88     | ppbv | -0.02  |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.80% |

| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 20) Methylene Chloride  | 4.34 | 84   | 14392    | 0.254 | ppbv # | 75     |
| 30) Cyclohexane         | 7.19 | 84   | 3135     | 0.038 | ppbv # | 1      |
| 39) 1,2-Dichloropropane | 7.20 | 63   | 632776   | 7.244 | ppbv # | 21     |

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

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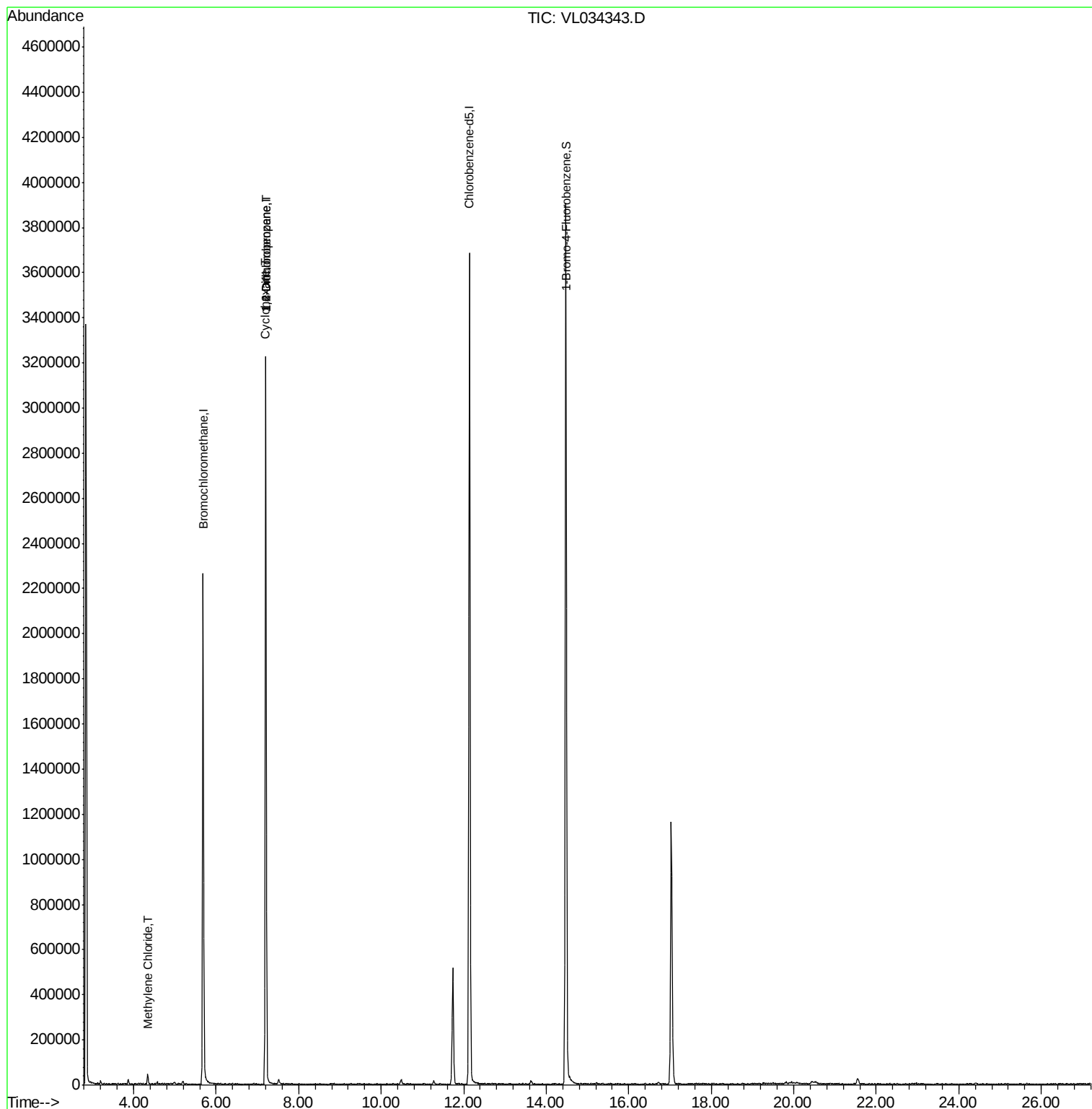
Quant Time: Oct 25 01:32:36 2019

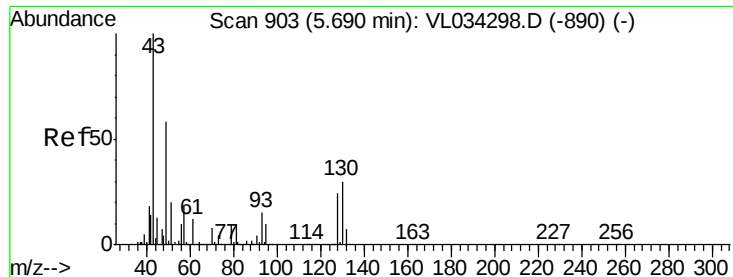
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL101619AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Oct 17 05:12:37 2019

QLast Update : Thu Oct 17 05:12:37 2019

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL034343.D

Acq: 24 Oct 2019 12:09

Instrument :

MSVOA\_L

ClientSampleId :

VL1024ABL01

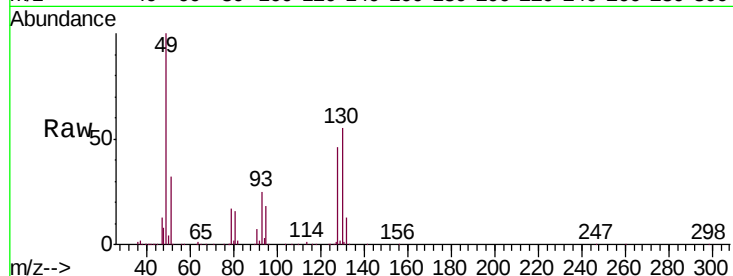
Tgt Ion: 49 Resp: 1097914

Ion Ratio Lower Upper

49 100

128 43.4 20.6 61.8

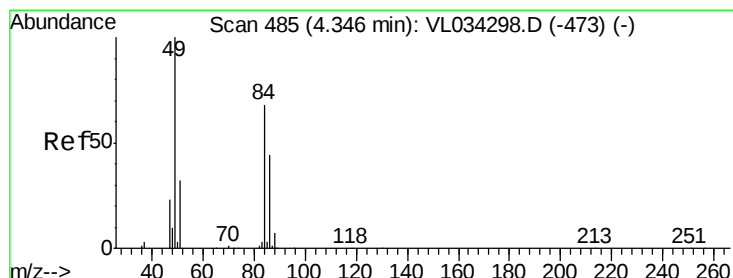
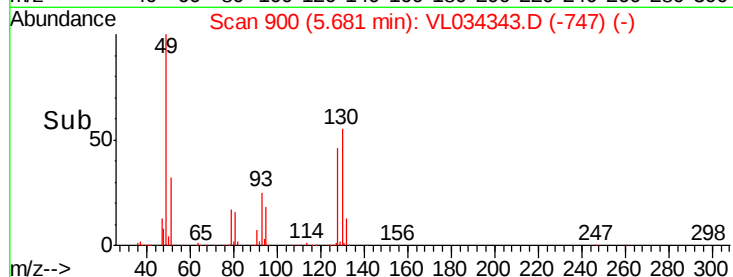
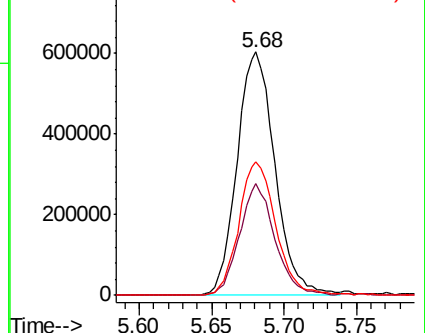
130 54.3 26.2 78.5



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



#20

Methylene Chloride

Concen: 0.254 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL034343.D

Acq: 24 Oct 2019 12:09

Tgt Ion: 84 Resp: 14392

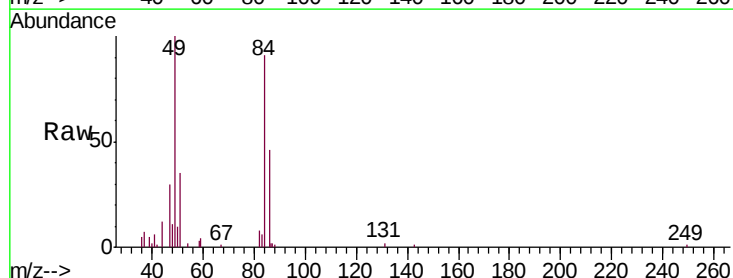
Ion Ratio Lower Upper

84 100

49 108.1 118.5 177.7#

51 38.9 38.8 58.2

86 49.5 51.7 77.5#

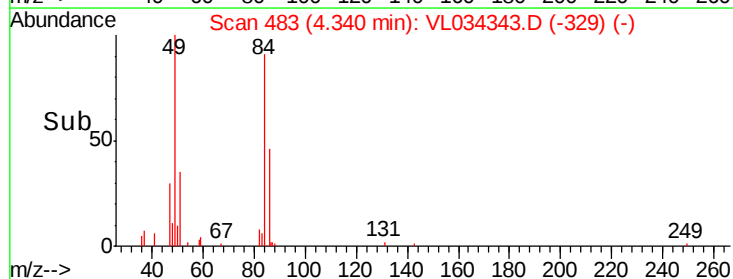
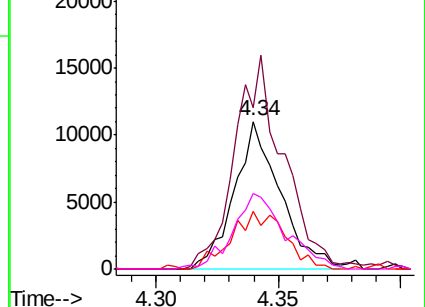


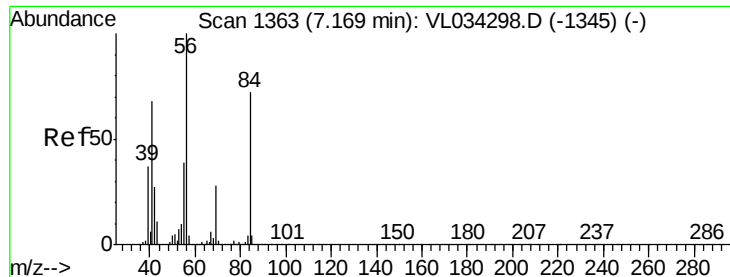
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

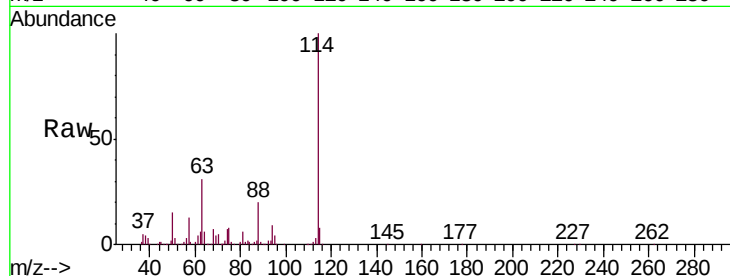




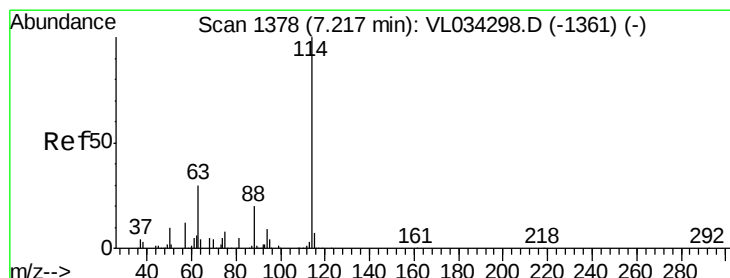
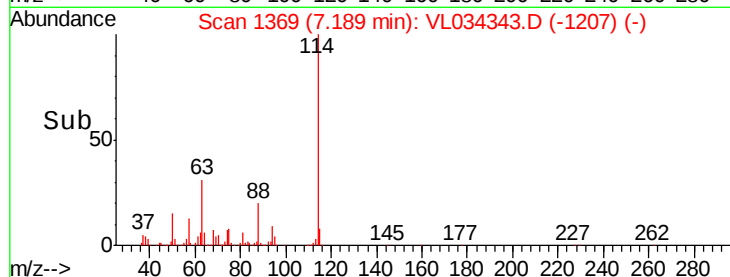
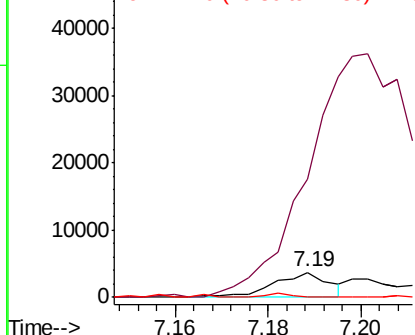
#30  
Cyclohexane  
Concen: 0.038 ppbv  
RT: 7.19 min Scan# 1369  
Delta R.T. 0.02 min  
Lab File: VL034343.D  
Acq: 24 Oct 2019 12:09

Instrument :  
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ClientSampleId :  
VL1024ABL01

Tgt Ion: 84 Resp: 3135  
Ion Ratio Lower Upper  
84 100  
56 0.0 119.4 179.0#  
41 7.4 78.7 118.1#

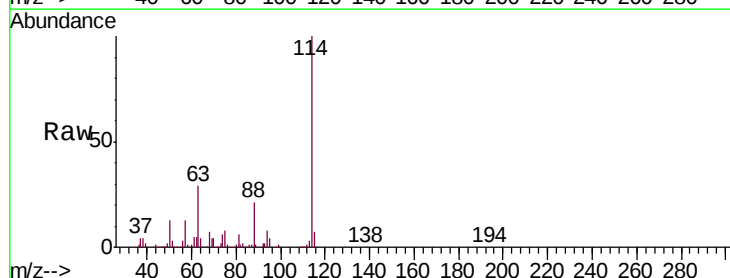


Abundance Ion 84.20 (83.90 to 84.90): VL0  
Ion 56.10 (55.80 to 56.80): VL0  
Ion 41.10 (40.80 to 41.80): VL0

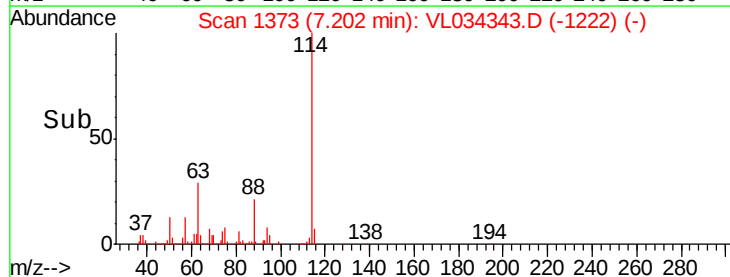
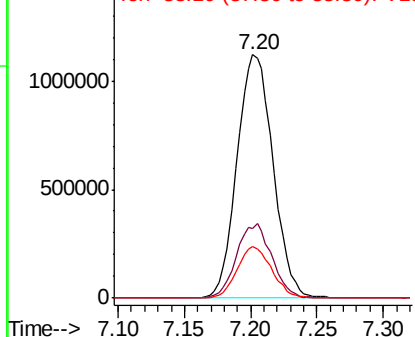


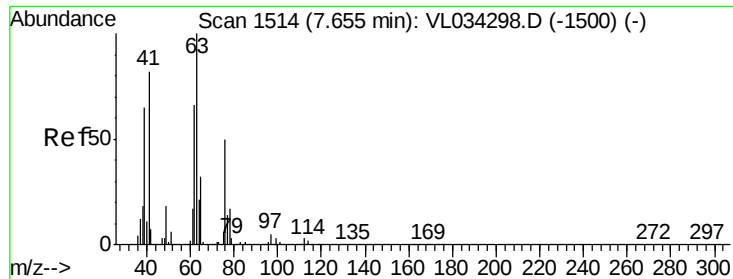
#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.20 min Scan# 1373  
Delta R.T. -0.02 min  
Lab File: VL034343.D  
Acq: 24 Oct 2019 12:09

Tgt Ion: 114 Resp: 2114378  
Ion Ratio Lower Upper  
114 100  
63 30.0 25.2 37.8  
88 20.2 16.0 24.0



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

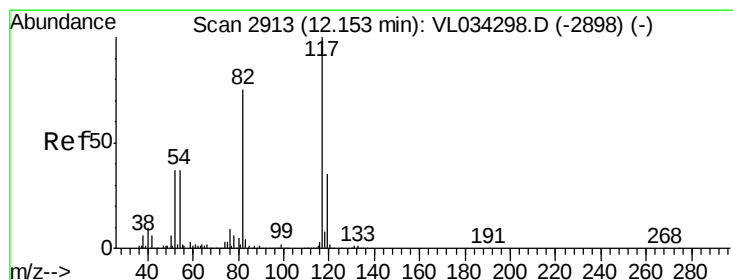
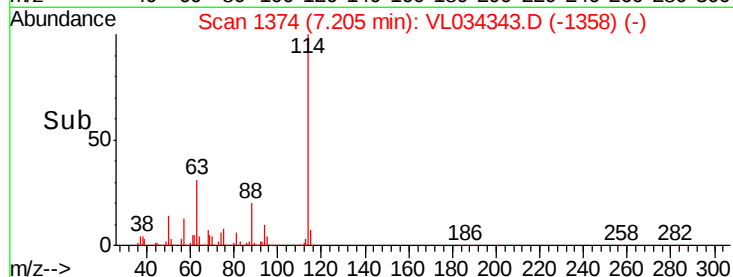
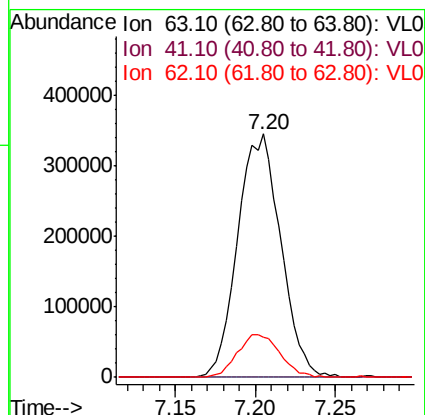
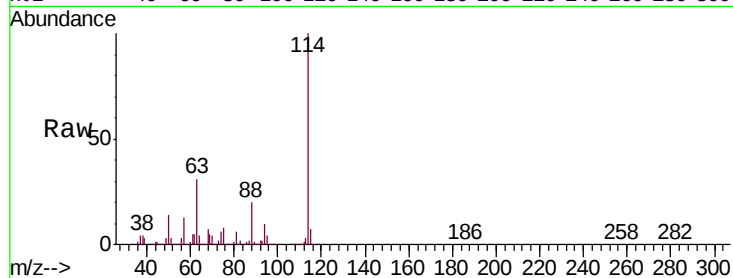




#39  
 1,2-Dichloropropane  
 Concen: 7.244 ppbv  
 RT: 7.20 min Scan# 1374  
 Delta R.T. -0.45 min  
 Lab File: VL034343.D  
 Acq: 24 Oct 2019 12:09

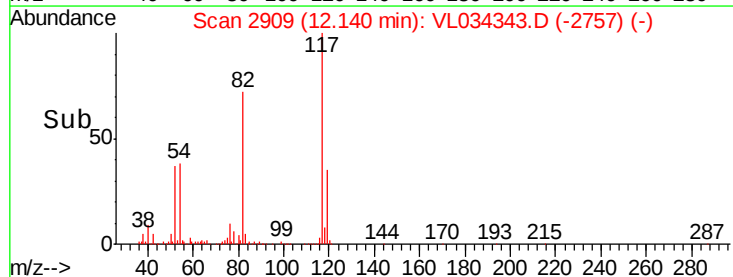
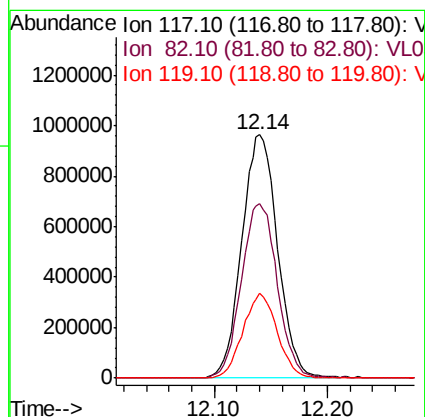
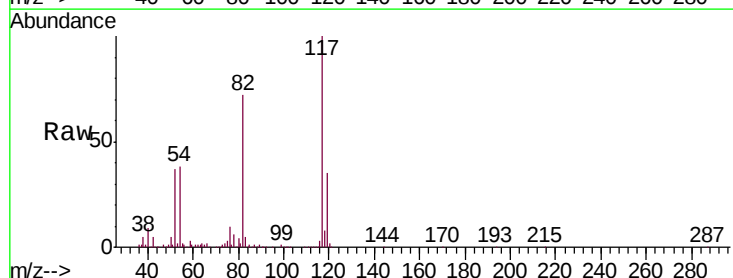
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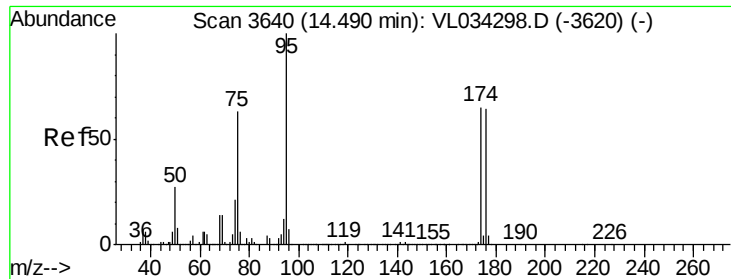
Tgt Ion: 63 Resp: 632776  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 65.6 98.4#  
 62 16.6 53.0 79.6#



#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 12.14 min Scan# 2909  
 Delta R.T. -0.01 min  
 Lab File: VL034343.D  
 Acq: 24 Oct 2019 12:09

Tgt Ion: 117 Resp: 2120012  
 Ion Ratio Lower Upper  
 117 100  
 82 72.1 55.5 83.3  
 119 33.5 26.5 39.7





#68

1-Bromo-4-Fluorobenzene

Concen: 9.882 ppbv

RT: 14.47 min Scan# 3635

Delta R.T. -0.02 min

Lab File: VL034343.D

Acq: 24 Oct 2019 12:09

Instrument :

MSVOA\_L

ClientSampleId :

VL1024ABL01

Tgt Ion: 95 Resp: 1774334

Ion Ratio Lower Upper

95 100

174 65.7 52.6 78.8

175 4.7 3.8 5.6

