

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL120418\  
Quantitation Report (Not Reviewed)

Data File : VL032875.D  
Acq On : 4 Dec 2018 12:31  
Operator : SY/AP  
Sample : VL1204ABL01  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1204ABL01

Quant Time: Dec 05 05:45:58 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL111418AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Nov 14 07:00:23 2018  
QLast Update : Wed Nov 14 07:00:23 2018  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.77  | 49   | 1214833  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.30  | 114  | 3123998  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.25 | 117  | 2904471  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.59  | 95    | 2195558  | 10.11    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.10% |

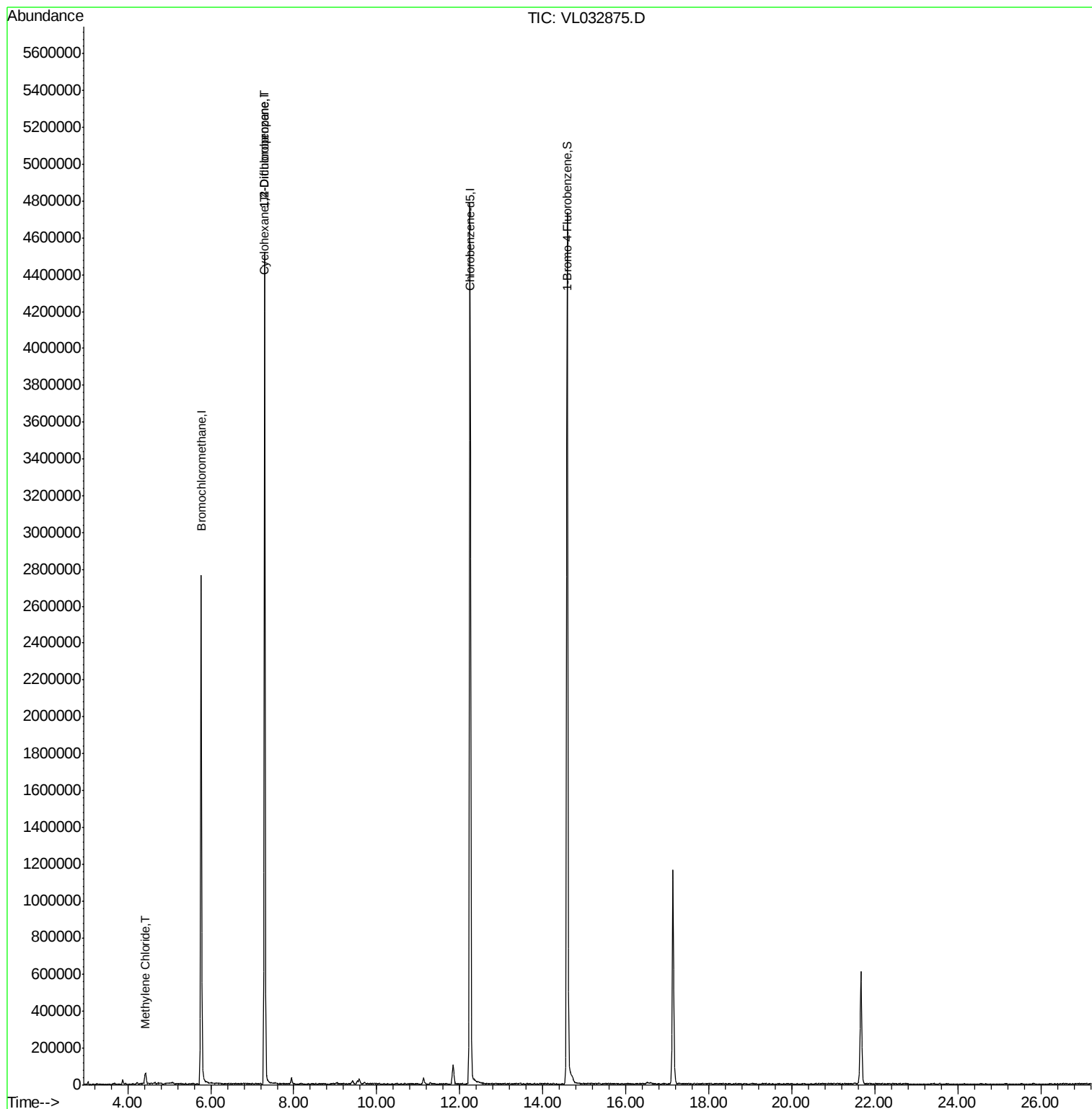
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 20) Methylene Chloride  | 4.41 | 84   | 7566     | 0.132 | ppbv # | 89     |
| 30) Cyclohexane         | 7.28 | 84   | 6037     | 0.060 | ppbv # | 1      |
| 39) 1,2-Dichloropropane | 7.30 | 63   | 782445   | 8.255 | ppbv # | 23     |

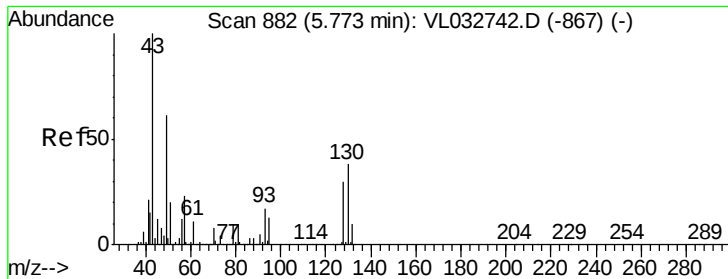
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 14 07:00:23 2018  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032875.D

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Instrument :

MSVOA\_L

ClientSampleId :

VL1204ABL01

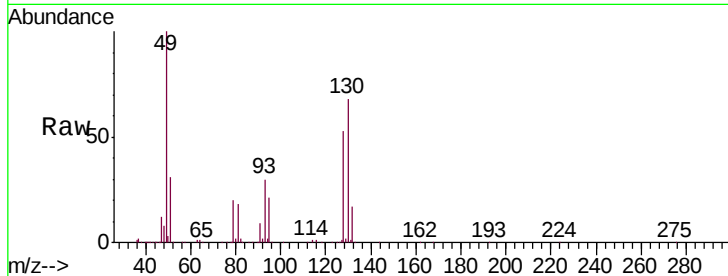
Tgt Ion: 49 Resp: 1214833

Ion Ratio Lower Upper

49 100

128 52.8 24.9 74.6

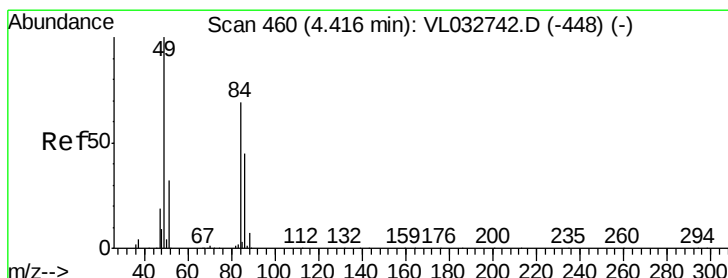
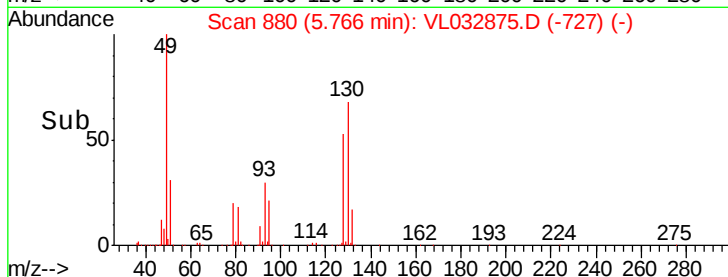
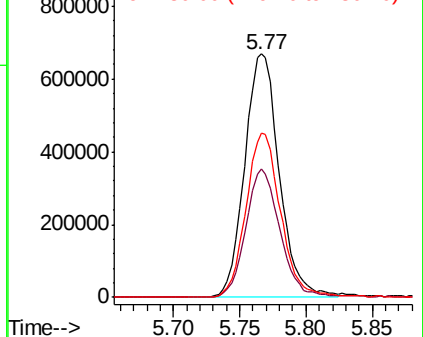
130 68.3 31.4 94.2



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: 0.132 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.01 min

Lab File: VL032875.D

Acq: 4 Dec 2018 12:31

Tgt Ion: 84 Resp: 7566

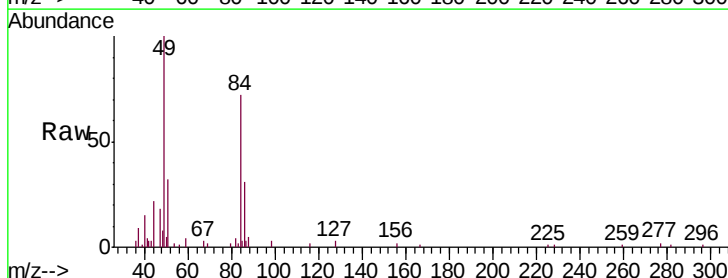
Ion Ratio Lower Upper

84 100

49 135.8 115.8 173.6

51 42.7 36.9 55.3

86 45.9 52.4 78.6#

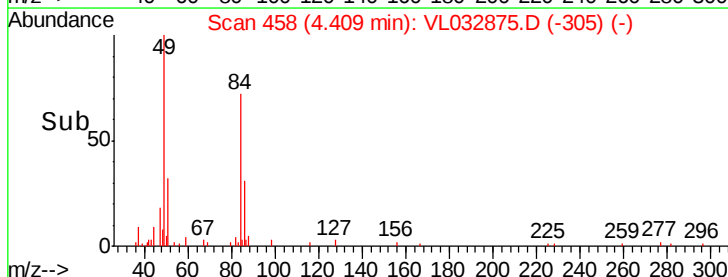
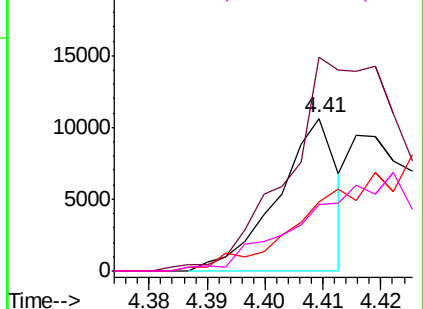


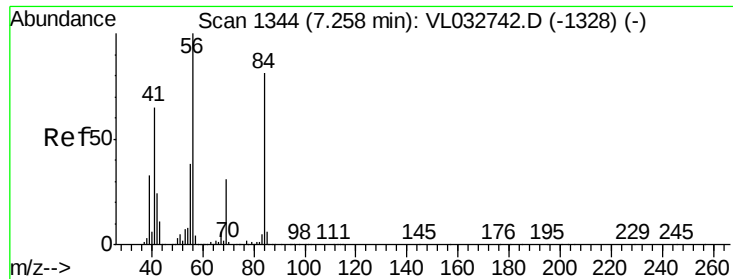
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

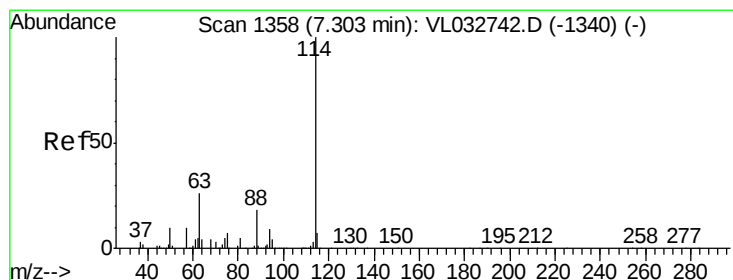
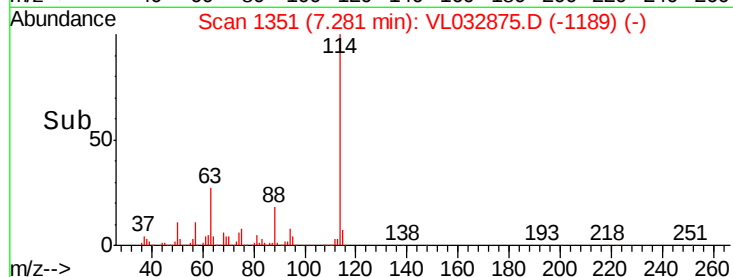
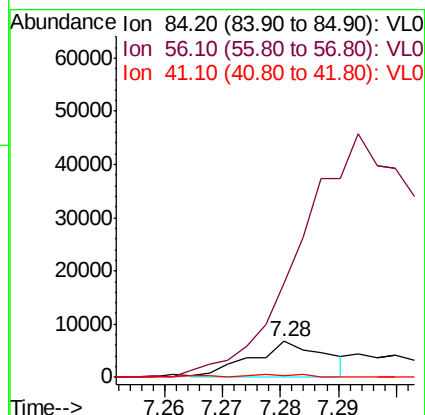
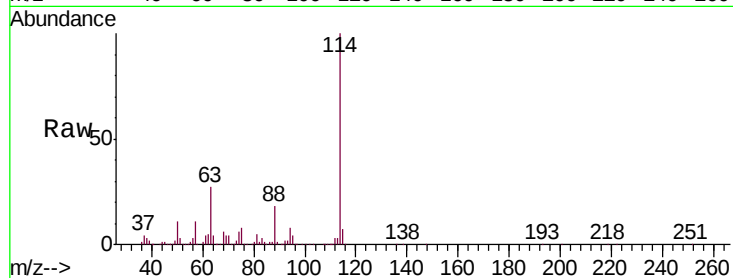




#30  
Cyclohexane  
Concen: 0.060 ppbv  
RT: 7.28 min Scan# 1351  
Delta R.T. 0.02 min  
Lab File: VL032875.D  
Acq: 4 Dec 2018 12:31

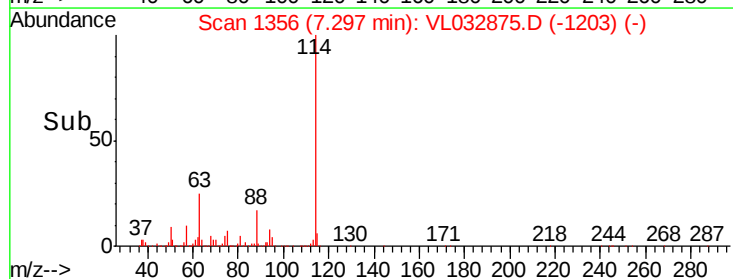
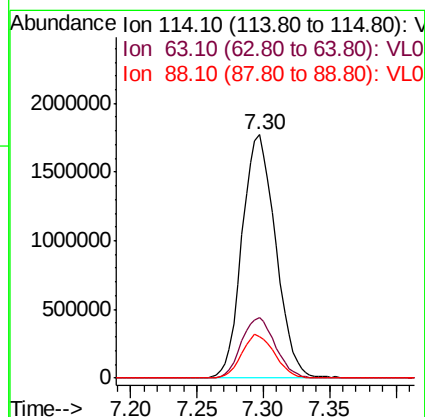
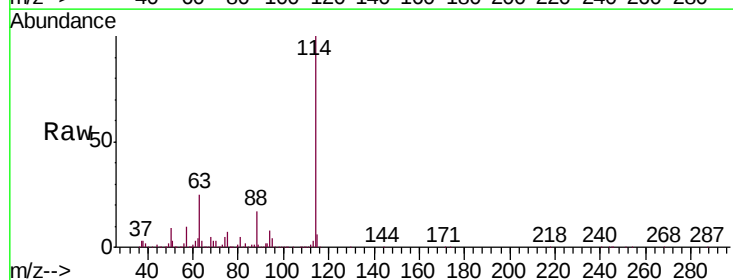
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1204ABL01

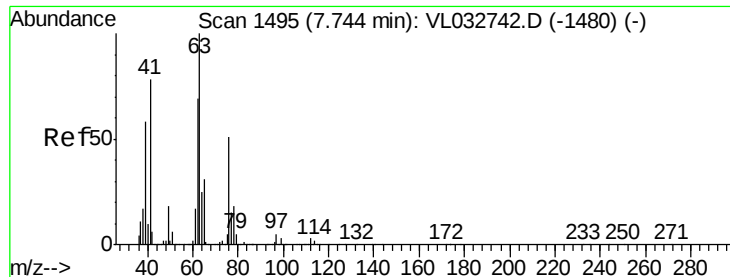
Tgt Ion: 84 Resp: 6037  
Ion Ratio Lower Upper  
84 100  
56 0.0 105.0 157.4#  
41 7.1 65.3 97.9#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.30 min Scan# 1356  
Delta R.T. -0.01 min  
Lab File: VL032875.D  
Acq: 4 Dec 2018 12:31

Tgt Ion: 114 Resp: 3123998  
Ion Ratio Lower Upper  
114 100  
63 25.2 20.9 31.3  
88 17.6 14.4 21.6





#39

1,2-Dichloropropane

Concen: 8.255 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

Lab File: VL032875.D

Acq: 4 Dec 2018 12:31

Instrument :

MSVOA\_L

ClientSampleId :

VL1204ABL01

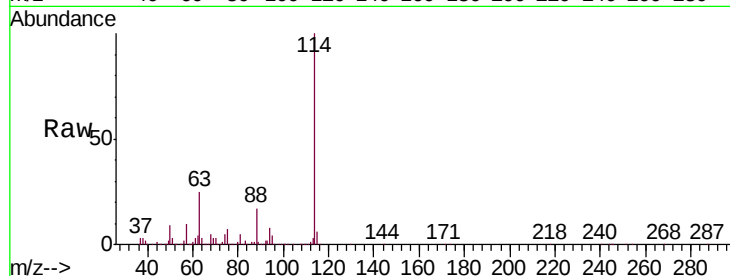
Tgt Ion: 63 Resp: 782445

Ion Ratio Lower Upper

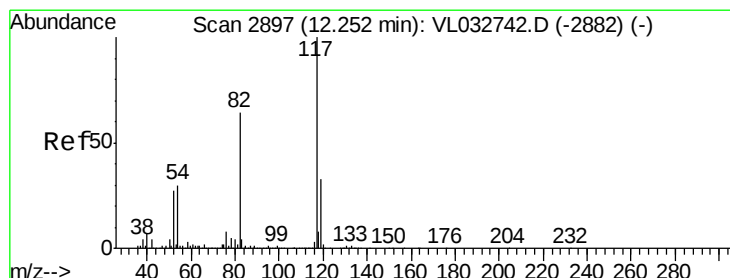
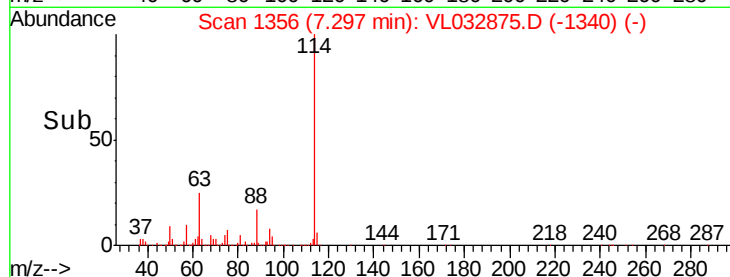
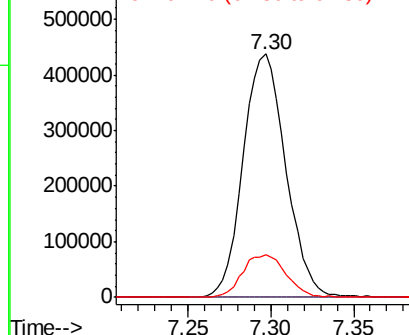
63 100

41 0.0 62.0 93.0#

62 17.6 55.4 83.2#



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: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032875.D

Acq: 4 Dec 2018 12:31

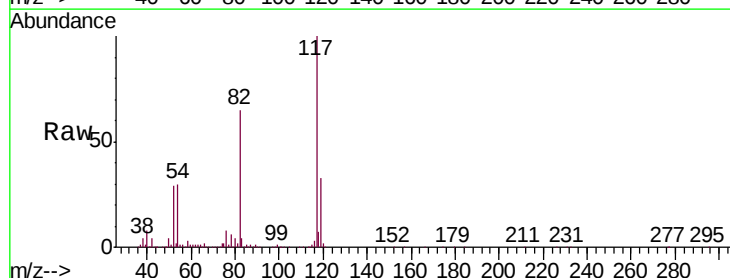
Tgt Ion: 117 Resp: 2904471

Ion Ratio Lower Upper

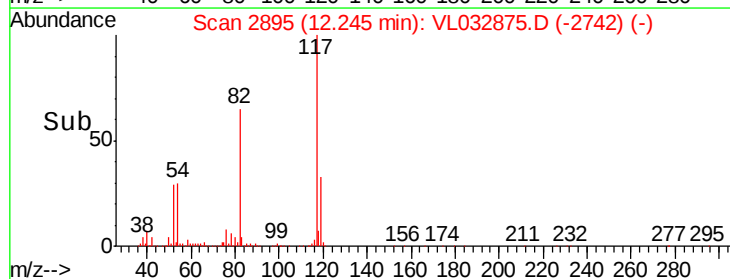
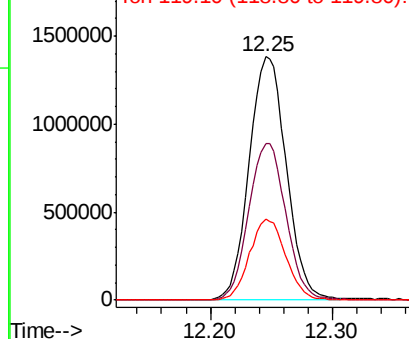
117 100

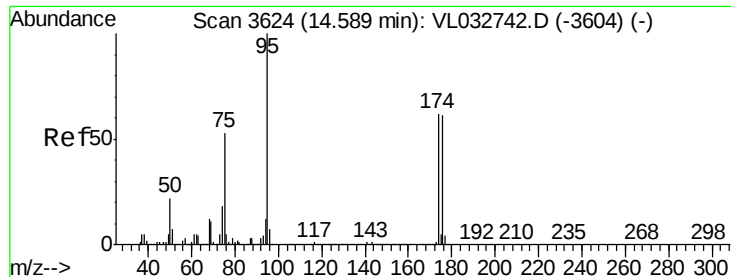
82 64.6 51.0 76.6

119 32.9 28.0 42.0



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: 10.107 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032875.D

Acq: 4 Dec 2018 12:31

Instrument :

MSVOA\_L

ClientSampleId :

VL1204ABL01

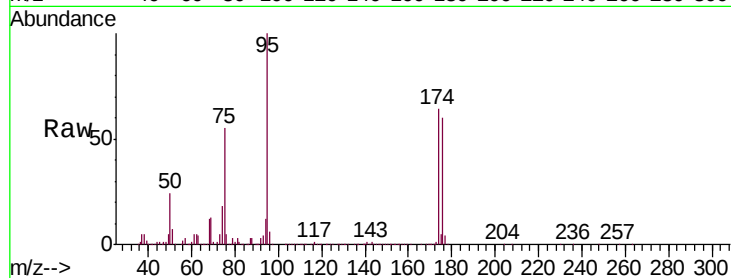
Tgt Ion: 95 Resp: 2195558

Ion Ratio Lower Upper

95 100

174 65.2 50.7 76.1

175 4.9 3.8 5.6



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

