

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\  
 Data File : VL035712.D  
 Acq On : 23 Sep 2020 9:47  
 Operator : SY/AP  
 Sample : VL0923ABL01  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0923ABL01

Quant Time: Sep 24 08:24:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Sep 23 07:38:05 2020  
 QLast Update : Wed Sep 23 07:38:05 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.67  | 49   | 1195601  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18  | 114  | 4417552  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.10 | 117  | 4481865  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.44  | 95    | 3347573  | 9.97     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.70% |

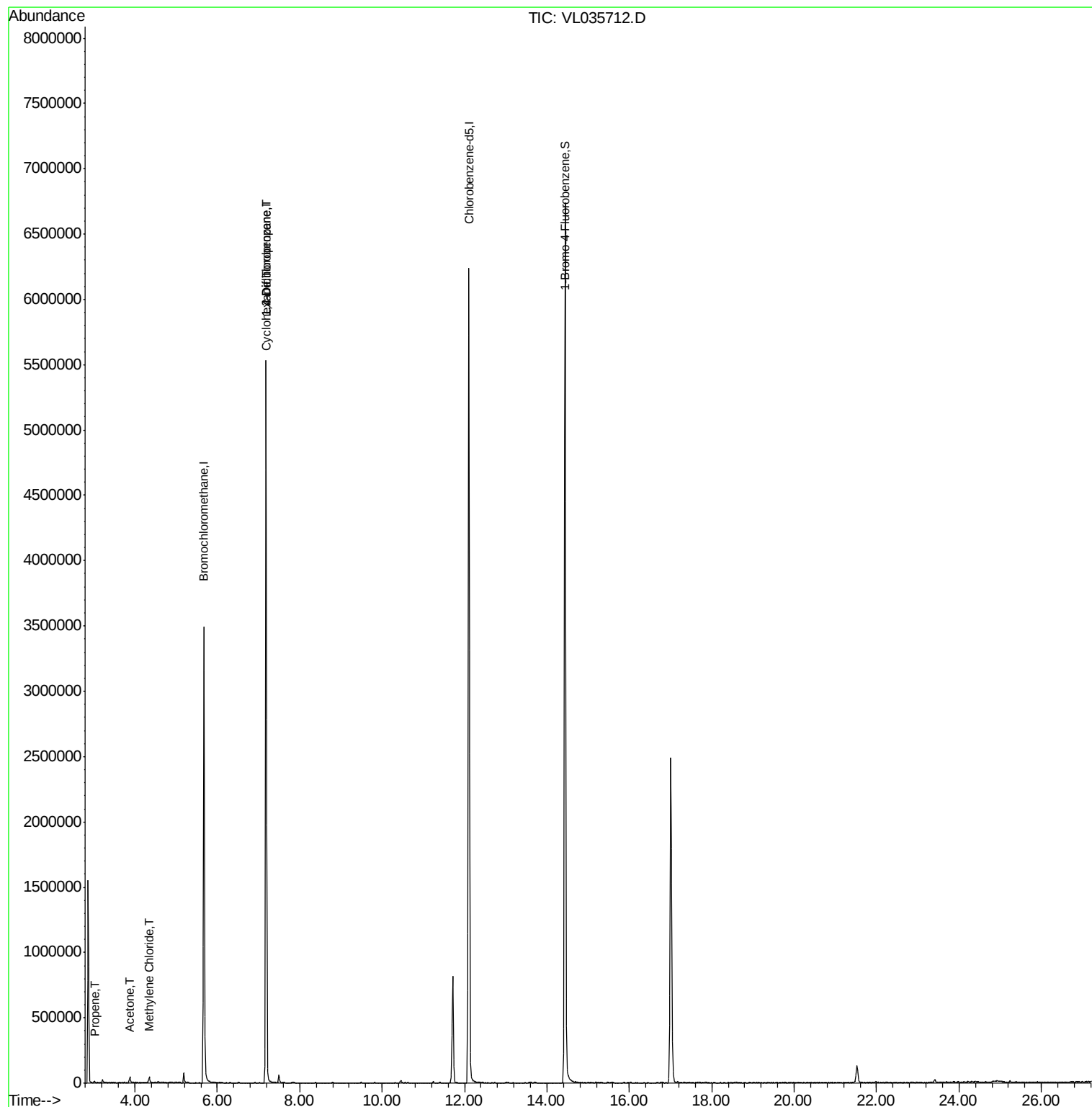
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.02 | 41   | 4278     | 0.092 | ppbv # | 80     |
| 15) Acetone             | 3.87 | 43   | 31668    | 0.246 | ppbv # | 32     |
| 20) Methylene Chloride  | 4.35 | 84   | 19987    | 0.212 | ppbv   | 95     |
| 30) Cyclohexane         | 7.17 | 84   | 5341     | 0.043 | ppbv # | 10     |
| 39) 1,2-Dichloropropane | 7.18 | 63   | 876748   | 8.403 | ppbv # | 30     |

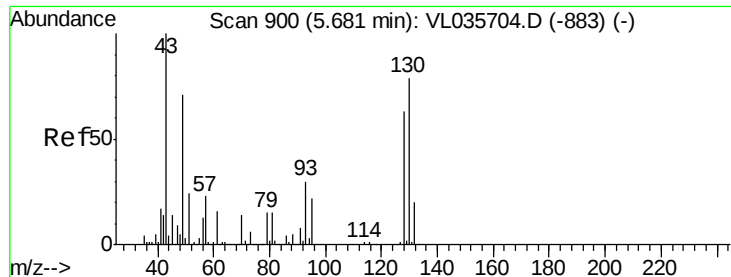
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092320\  
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Quant Time: Sep 24 08:24:14 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Sep 23 07:38:05 2020  
QLast Update : Wed Sep 23 07:38:05 2020  
Response via : Initial Calibration

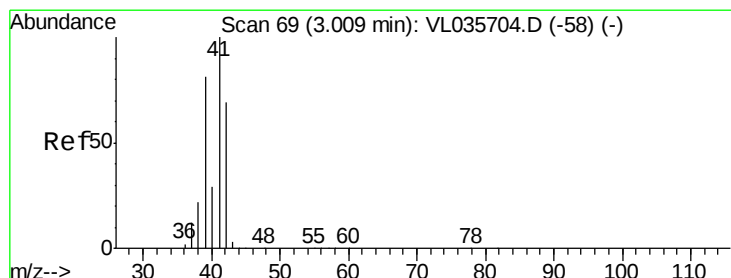
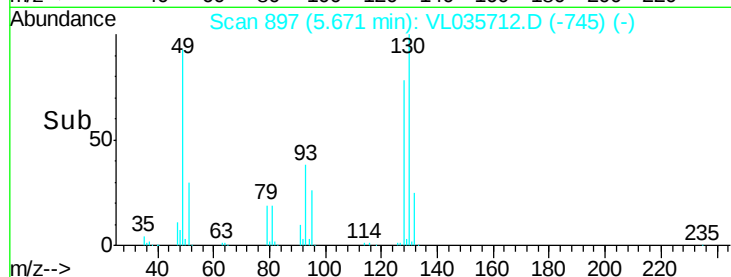
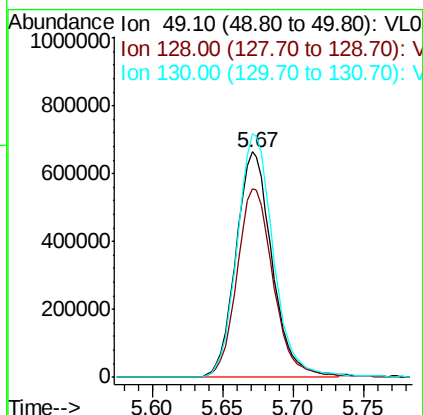
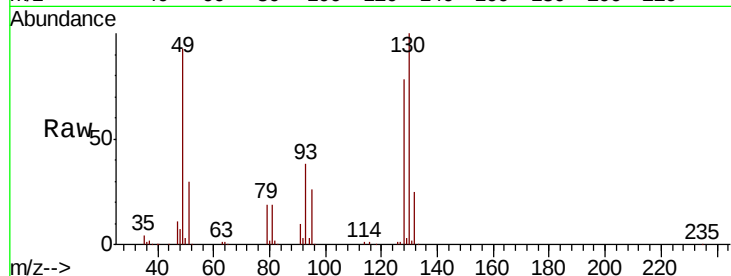




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.67 min Scan# 897  
 Delta R.T. -0.01 min  
 Lab File: VL035712.D  
 Acq: 23 Sep 2020 9:47

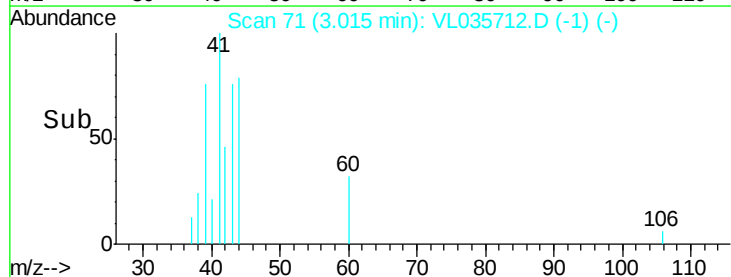
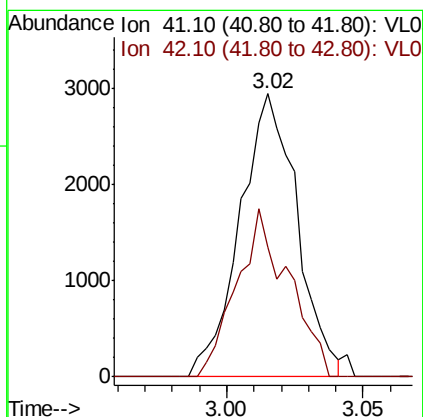
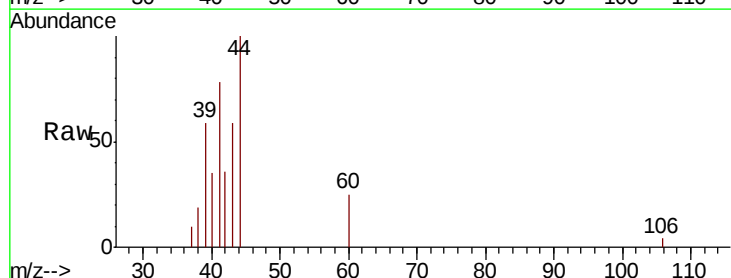
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0923ABL01

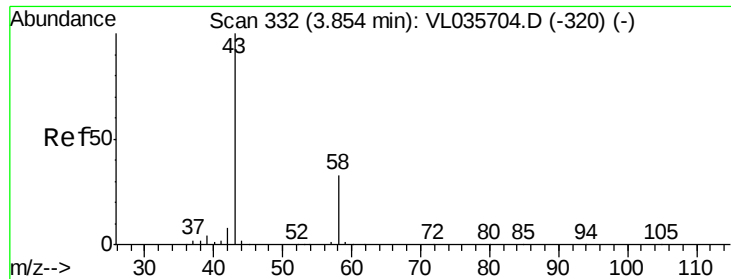
Tot Ion: 49 Resp: 1195601  
 Ion Ratio Lower Upper  
 49 100  
 128 84.9 43.1 129.4  
 130 109.3 54.9 164.7



#9  
 Propene  
 Concen: 0.092 ppbv  
 RT: 3.02 min Scan# 71  
 Delta R.T. 0.01 min  
 Lab File: VL035712.D  
 Acq: 23 Sep 2020 9:47

Tgt Ion: 41 Resp: 4278  
 Ion Ratio Lower Upper  
 41 100  
 42 54.2 56.2 84.4#





#15

Acetone

Concen: 0.246 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL035712.D

Acq: 23 Sep 2020 9:47

Instrument :

MSVOA\_L

ClientSampleId :

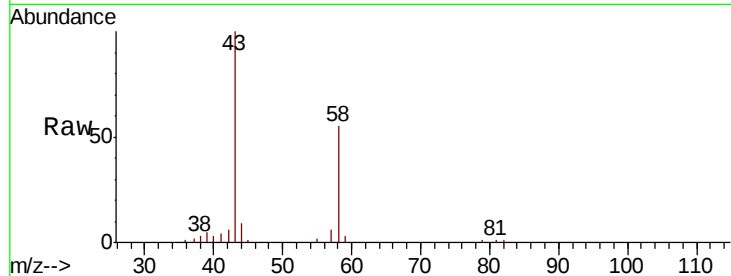
VL0923ABL01

Tot Ion: 43 Resp: 31668

Ion Ratio Lower Upper

43 100

58 73.3 27.3 40.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.87

25000

20000

15000

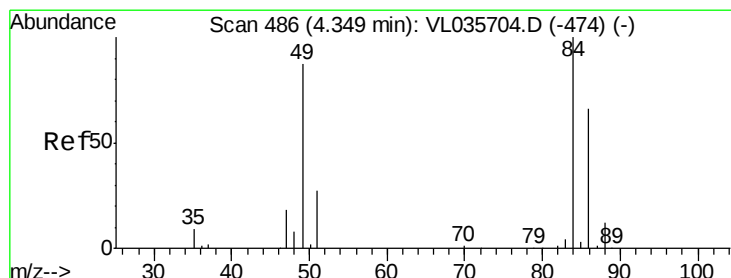
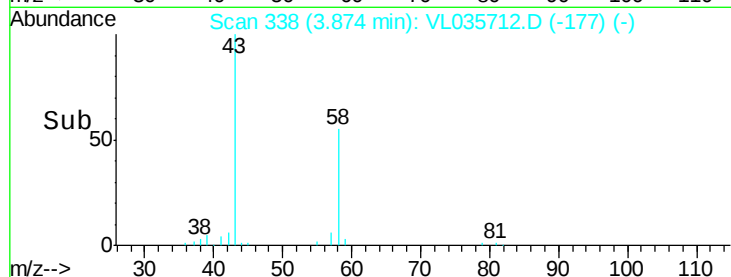
10000

5000

0

Time-->

3.85 3.90



#20

Methylene Chloride

Concen: 0.212 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.00 min

Lab File: VL035712.D

Acq: 23 Sep 2020 9:47

Tgt Ion: 84 Resp: 19987

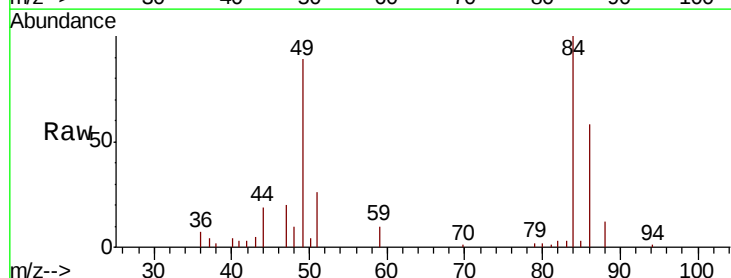
Ion Ratio Lower Upper

84 100

49 89.8 69.8 104.6

51 26.7 21.8 32.8

86 58.8 52.6 78.8



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

20000

15000

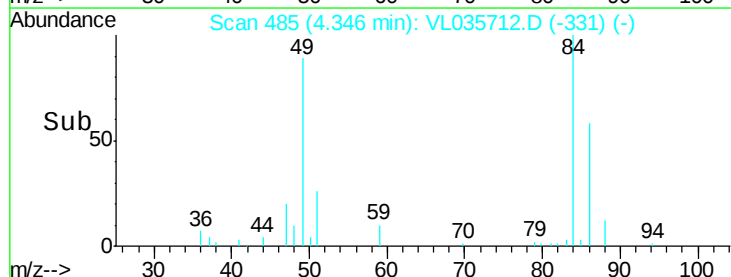
10000

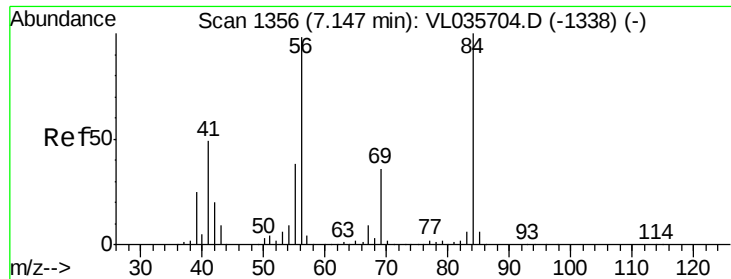
5000

0

Time-->

4.30 4.35 4.40

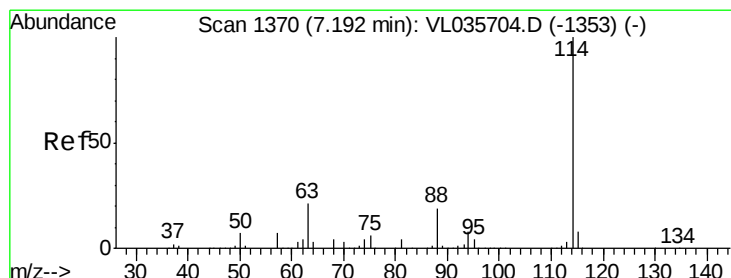
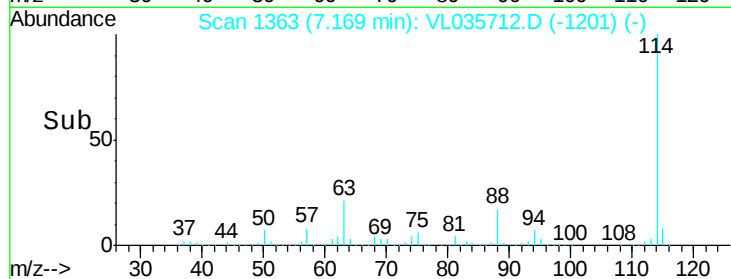
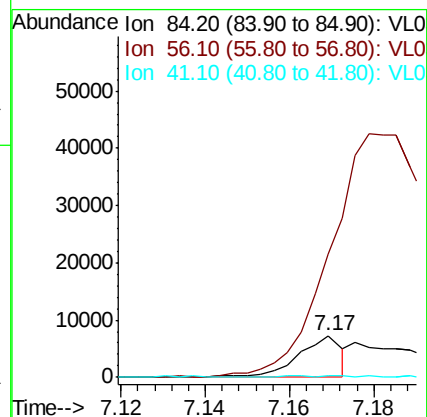
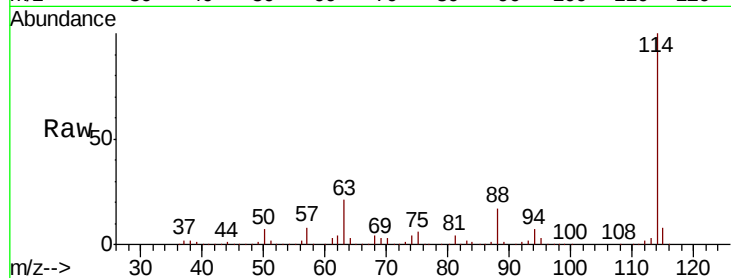




#30  
Cvclohexane  
Concen: 0.043 ppbv  
RT: 7.17 min Scan# 1363  
Delta R.T. 0.02 min  
Lab File: VL035712.D  
Acq: 23 Sep 2020 9:47

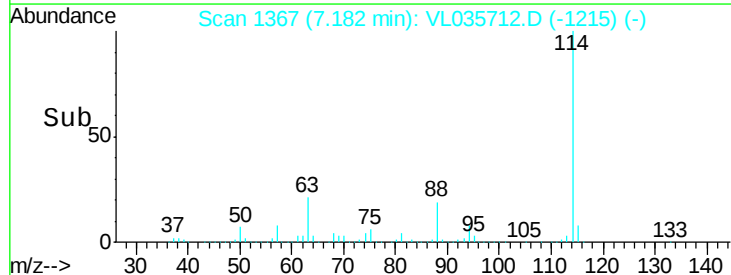
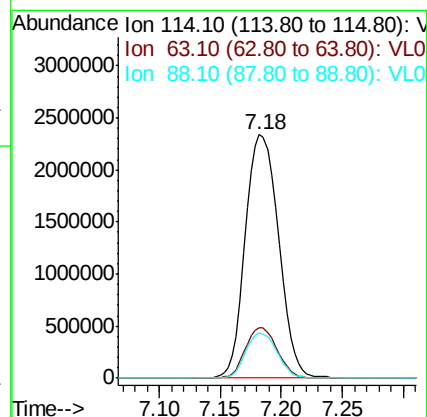
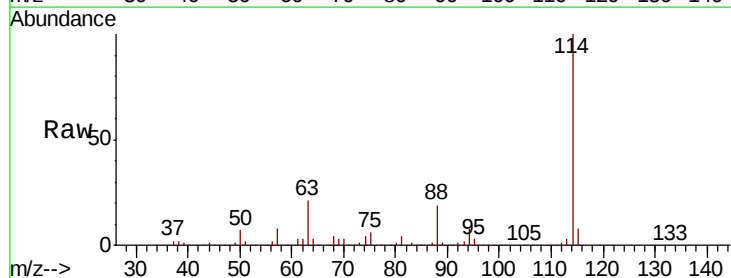
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0923ABL01

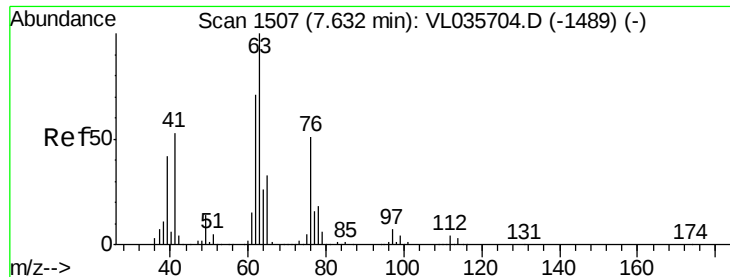
Tot Ion: 84 Resp: 5341  
Ion Ratio Lower Upper  
84 100  
56 0.0 84.6 127.0#  
41 6.2 41.1 61.7#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.18 min Scan# 1367  
Delta R.T. -0.01 min  
Lab File: VL035712.D  
Acq: 23 Sep 2020 9:47

Tgt Ion: 114 Resp: 4417552  
Ion Ratio Lower Upper  
114 100  
63 19.9 16.1 24.1  
88 17.5 14.1 21.1





#39

1,2-Dichloropropane

Concen: 8.403 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.45 min

Lab File: VL035712.D

Acq: 23 Sep 2020 9:47

Instrument :

MSVOA\_L

ClientSampleId :

VL0923ABL01

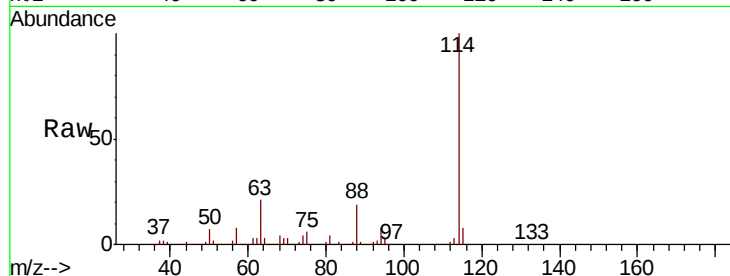
Tot Ion: 63 Resp: 876748

Ion Ratio Lower Upper

63 100

41 0.0 42.6 63.8#

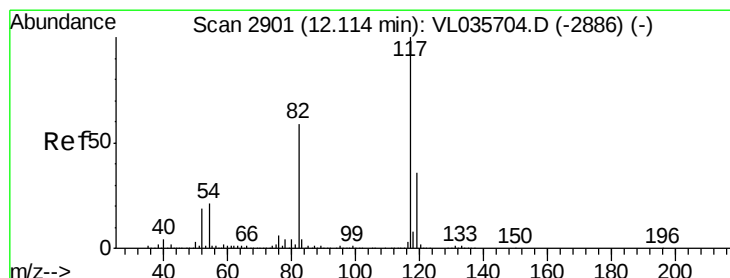
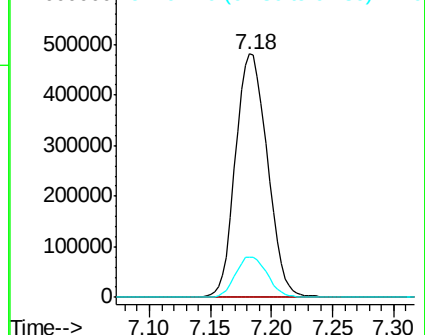
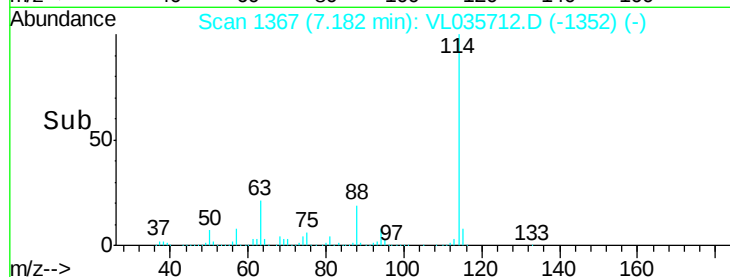
62 16.5 56.5 84.7#



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: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL035712.D

Acq: 23 Sep 2020 9:47

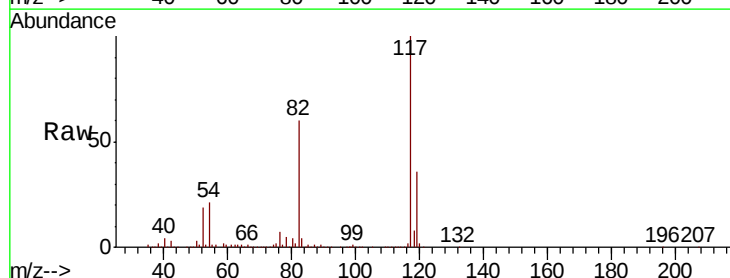
Tgt Ion: 117 Resp: 4481865

Ion Ratio Lower Upper

117 100

82 58.8 46.1 69.1

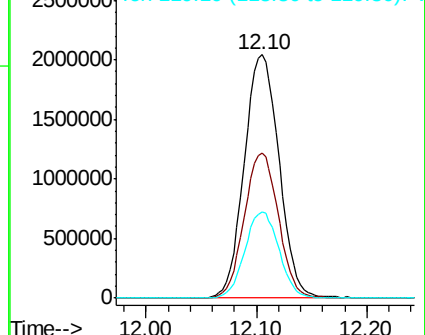
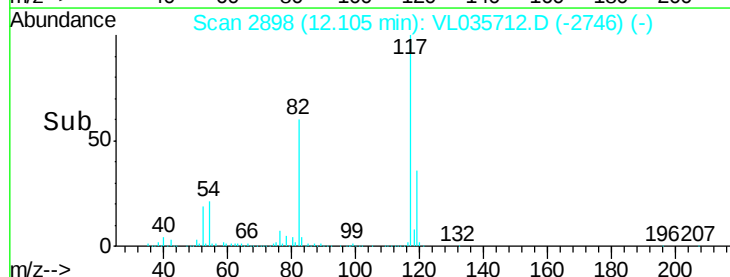
119 34.9 28.0 42.0

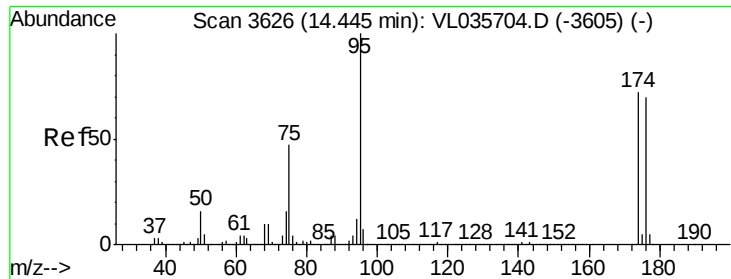


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.968 ppbv  
 RT: 14.44 min Scan# 3624  
 Delta R.T. -0.01 min  
 Lab File: VL035712.D  
 Acq: 23 Sep 2020 9:47

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0923ABL01

Tot Ion: 95 Resp: 3347573  
 Ion Ratio Lower Upper  
 95 100  
 174 76.7 59.6 89.4  
 175 5.6 4.2 6.4

