

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012821\  
 Data File : VL036289.D  
 Acq On : 29 Jan 2021 10:16  
 Operator : SY/AP  
 Sample : OC012821 CAN 10451  
 Misc : 400ml/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jan 30 00:07:46 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Thu Jan 14 16:13:38 2021  
 QLast Update : Thu Jan 14 16:13:38 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1462281  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 3321682  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 3011046  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 2537234  | 10.18    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.80% |

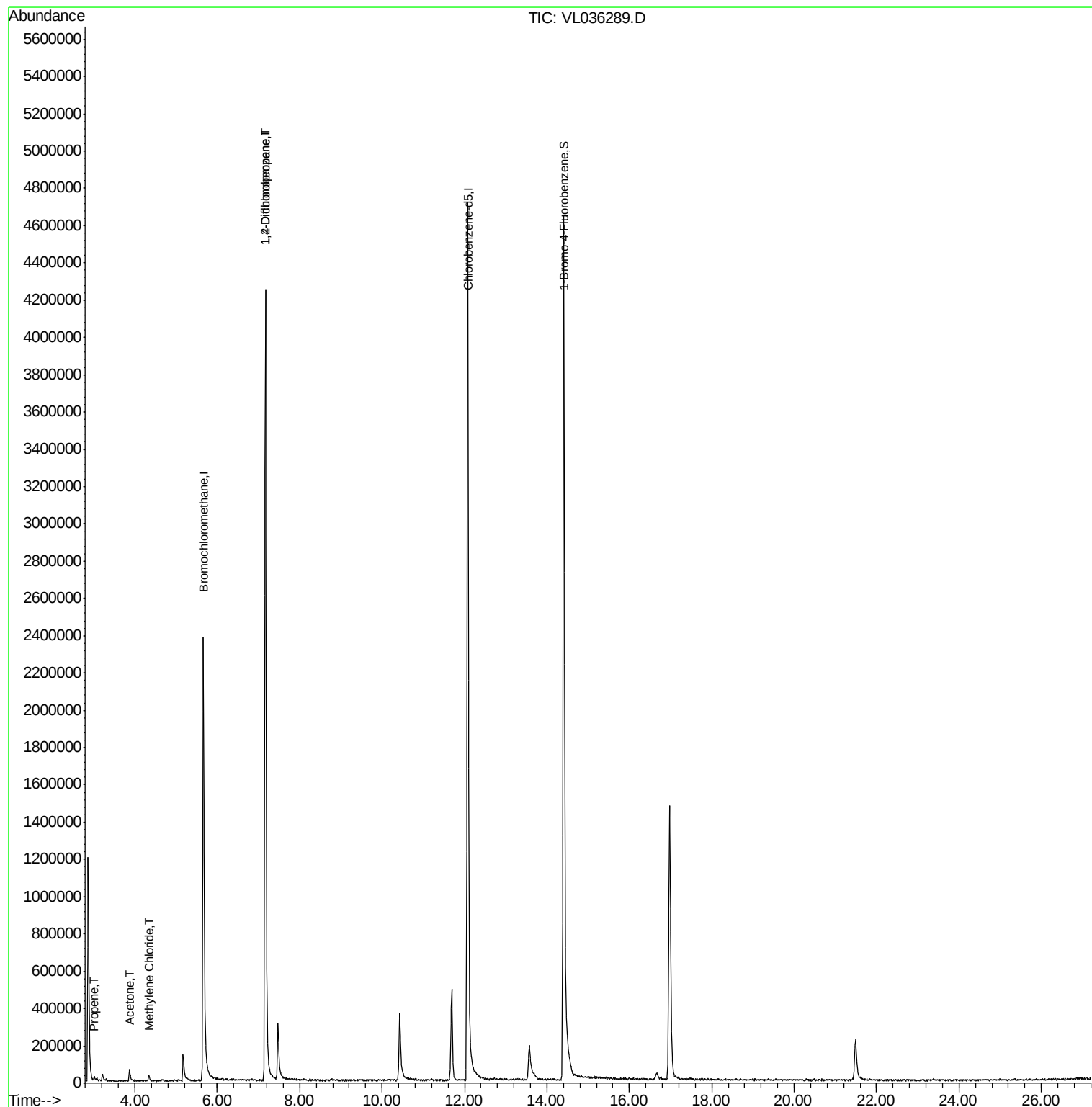
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 3.01 | 41   | 4394     | 0.051 | ppbv # | 62     |
| 15) Acetone             | 3.87 | 43   | 56216    | 0.314 | ppbv # | 10     |
| 20) Methylene Chloride  | 4.34 | 84   | 5537     | 0.097 | ppbv # | 6      |
| 39) 1,2-Dichloropropane | 7.17 | 63   | 983092   | 7.955 | ppbv # | 22     |

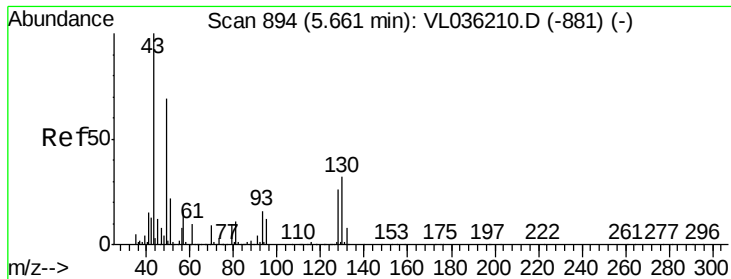
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 14 16:13:38 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

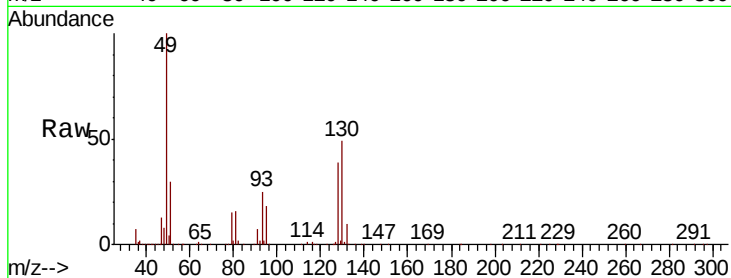
Lab File: VL036289.D

Acq: 29 Jan 2021 10:16

Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion: 49 Resp: 1462281

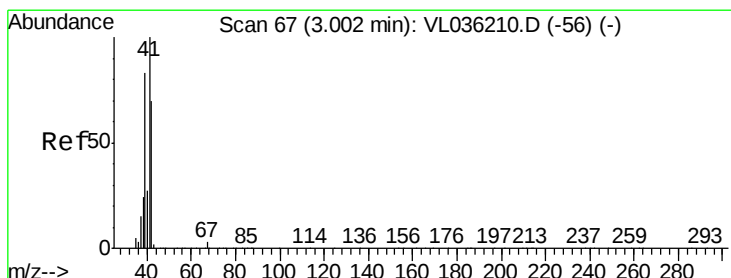
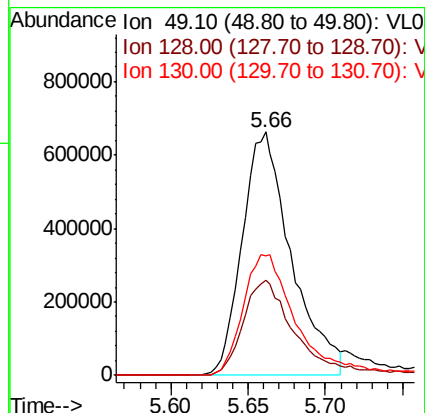
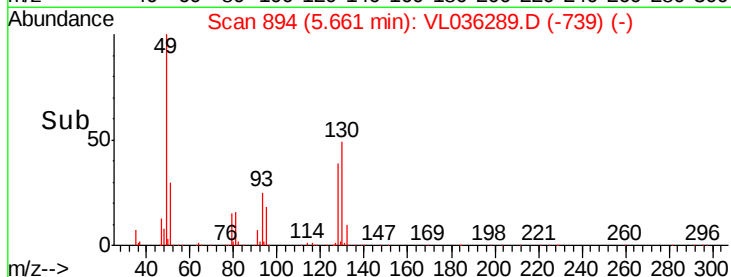
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 43.2  | 20.1  | 60.2  |
| 130 | 56.6  | 25.3  | 75.9  |



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.051 ppbv

RT: 3.01 min Scan# 71

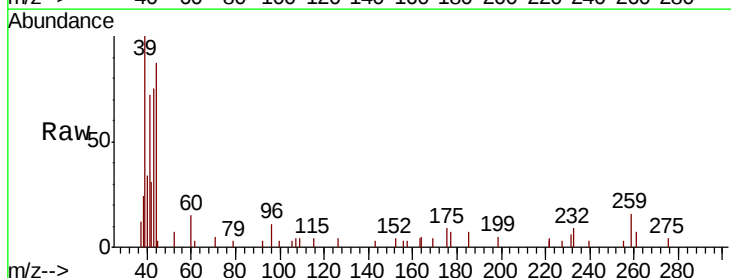
Delta R.T. 0.01 min

Lab File: VL036289.D

Acq: 29 Jan 2021 10:16

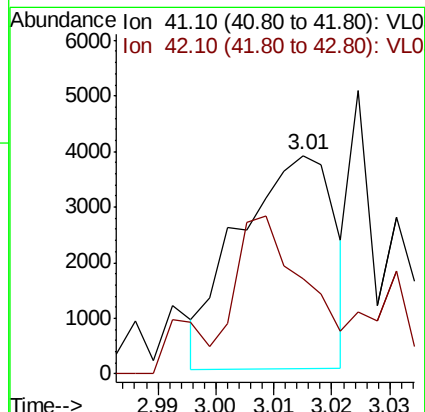
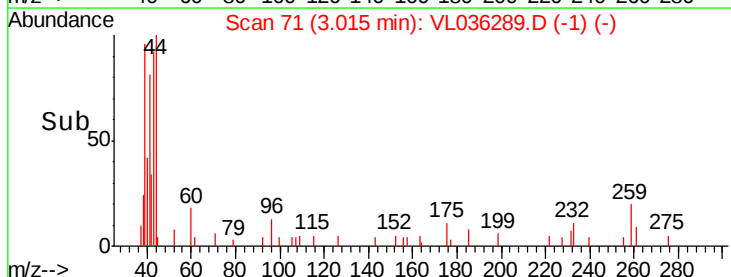
Tgt Ion: 41 Resp: 4394

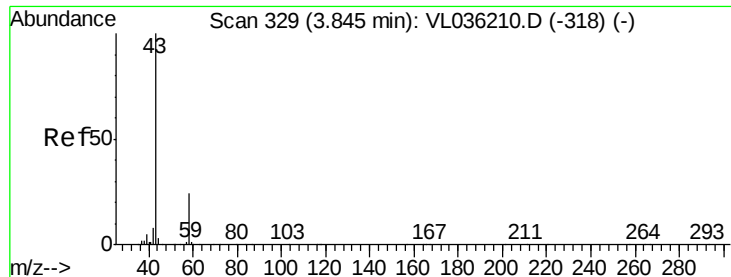
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 42  | 102.5 | 57.1  | 85.7  |



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.314 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL036289.D

Acq: 29 Jan 2021 10:16

Instrument :

MSVOA\_L

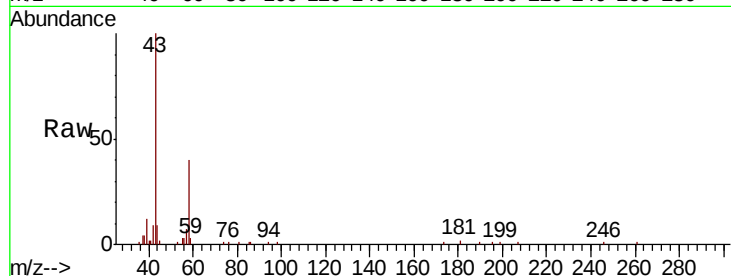
ClientSampleId :

Tot Ion: 43 Resp: 56216

Ion Ratio Lower Upper

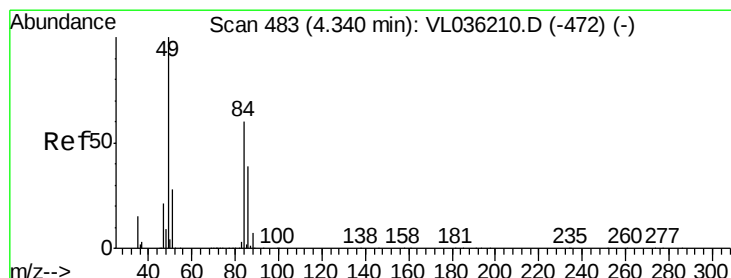
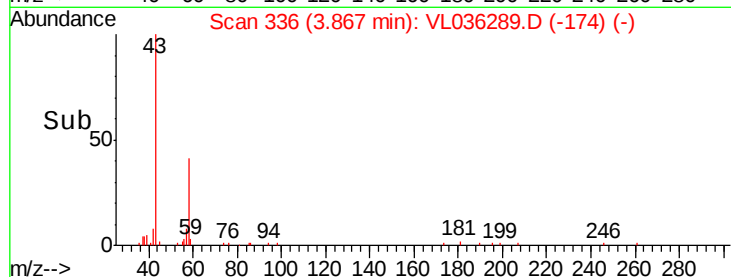
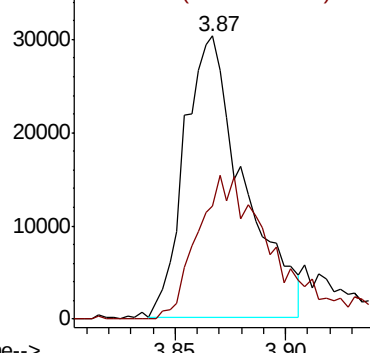
43 100

58 71.9 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.097 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036289.D

Acq: 29 Jan 2021 10:16

Tgt Ion: 84 Resp: 5537

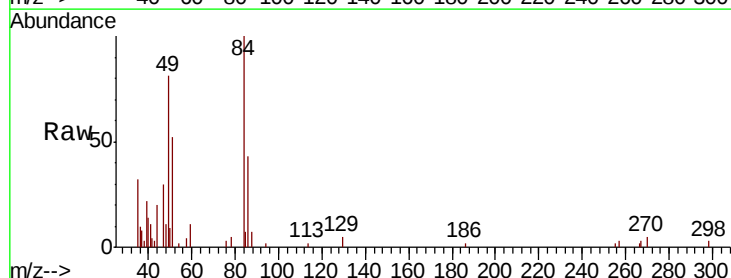
Ion Ratio Lower Upper

84 100

49 0.0 134.1 201.1#

51 32.0 37.4 56.0#

86 11.3 52.6 78.8#

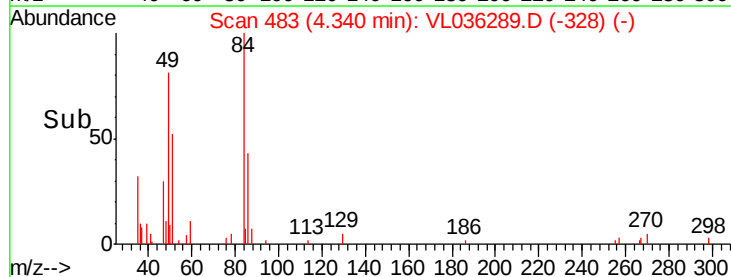
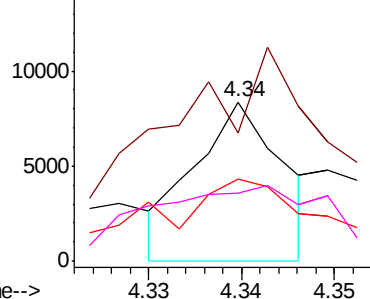


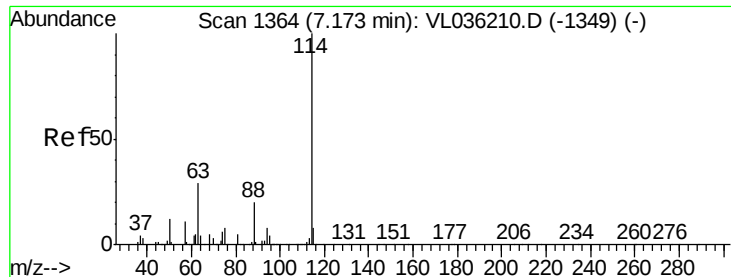
Abundance Ion 84.00 (83.70 to 84.70): VL0

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



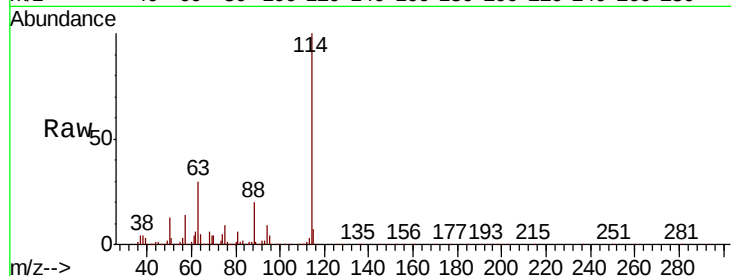


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.17 min Scan# 1362  
 Delta R.T. -0.01 min  
 Lab File: VL036289.D  
 Acq: 29 Jan 2021 10:16

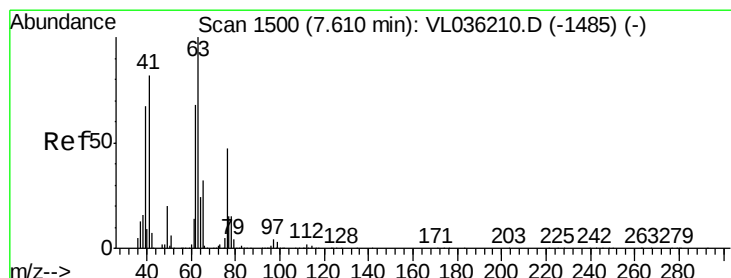
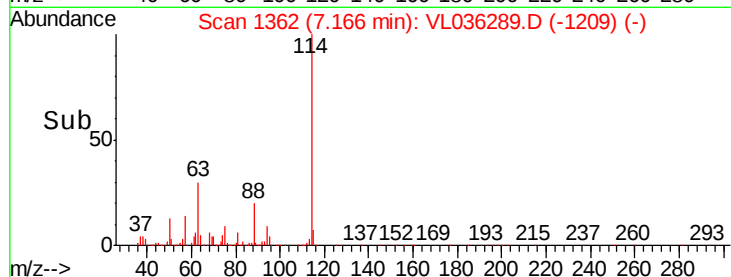
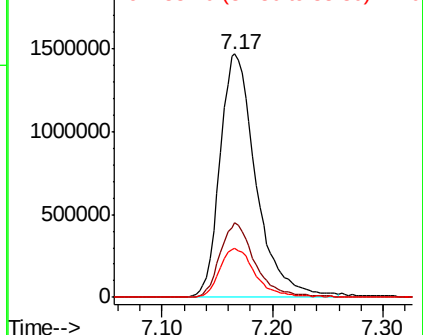
Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tot Ion:114 Resp: 3321682  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 30.4  | 24.7  | 37.1  |
| 88  | 20.3  | 16.6  | 24.8  |



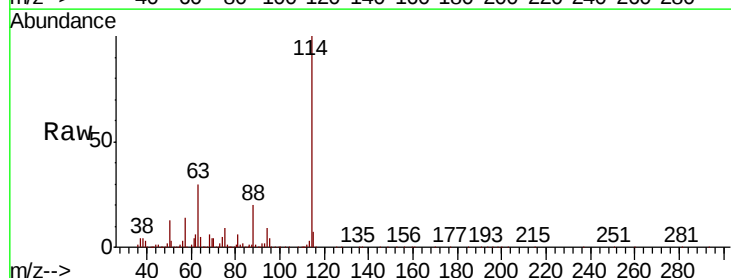
Abundance Ion 114.10 (113.80 to 114.80): VL0  
 Ion 63.10 (62.80 to 63.80): VL0  
 Ion 88.10 (87.80 to 88.80): VL0



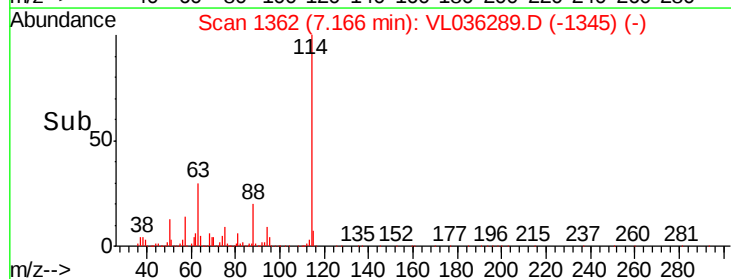
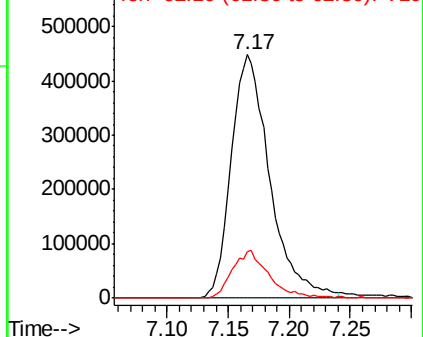
#39  
 1,2-Dichloropropane  
 Concen: 7.955 ppbv  
 RT: 7.17 min Scan# 1362  
 Delta R.T. -0.44 min  
 Lab File: VL036289.D  
 Acq: 29 Jan 2021 10:16

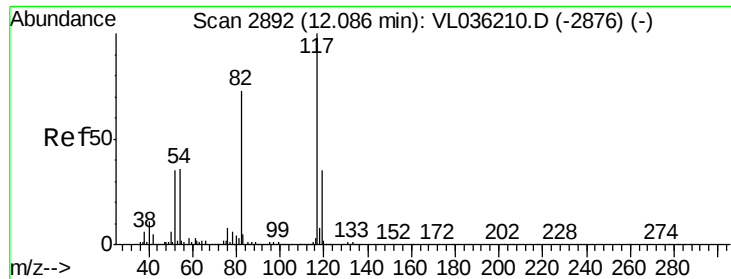
Tgt Ion: 63 Resp: 983092  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 0.0   | 66.1  | 99.1# |
| 62  | 18.9  | 54.8  | 82.2# |



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

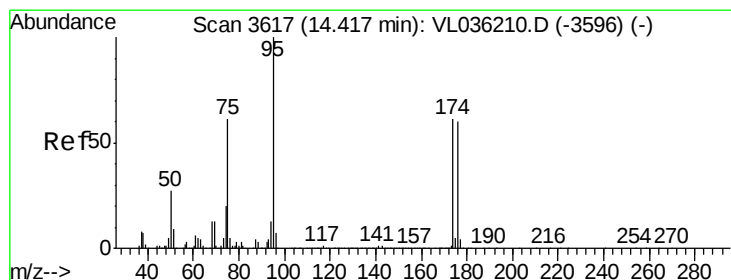
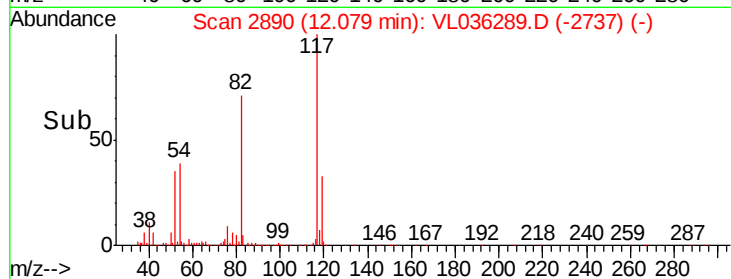
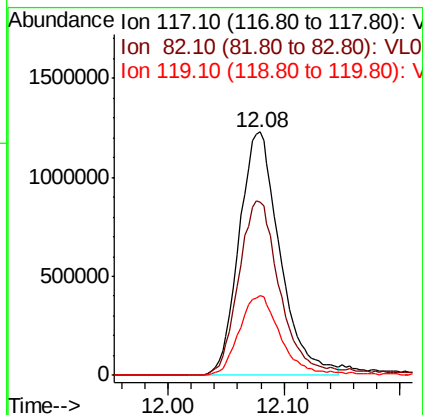
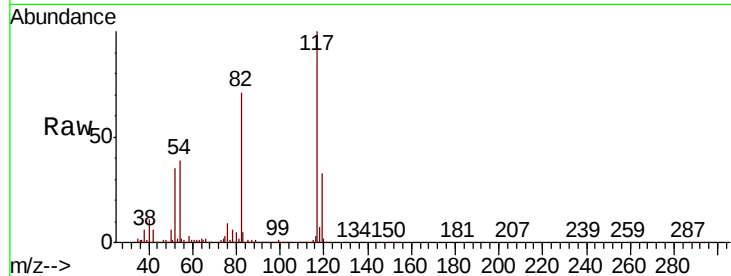




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 12.08 min Scan# 2890  
Delta R.T. -0.01 min  
Lab File: VL036289.D  
Acq: 29 Jan 2021 10:16

Instrument :  
MSVOA\_L  
ClientSampleId :

Tot Ion:117 Resp: 3011046  
Ion Ratio Lower Upper  
117 100  
82 75.1 59.7 89.5  
119 34.4 28.6 43.0



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.180 ppbv  
RT: 14.41 min Scan# 3615  
Delta R.T. -0.01 min  
Lab File: VL036289.D  
Acq: 29 Jan 2021 10:16

Tgt Ion: 95 Resp: 2537234  
Ion Ratio Lower Upper  
95 100  
174 63.2 49.4 74.0  
175 4.4 3.8 5.8

