

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\  
 Data File : VL037522.D  
 Acq On : 3 Sep 2021 15:42  
 Operator : SY/AP  
 Sample : CAN 10279  
 Misc : 400mL/MSVOA L  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 CAN 10279

Quant Time: Sep 04 04:21:49 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Tue Aug 17 02:13:47 2021  
 QLast Update : Tue Aug 17 02:13:47 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1622957  | 10.00 | ppbv  | 0.01     |
| 33) 1,4-Difluorobenzene | 7.17  | 114  | 4832490  | 10.00 | ppbv  | 0.02     |
| 55) Chlorobenzene-d5    | 12.08 | 117  | 4105441  | 10.00 | ppbv  | 0.02     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.41  | 95    | 3034832  | 10.41    | ppbv | 0.02    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.10% |

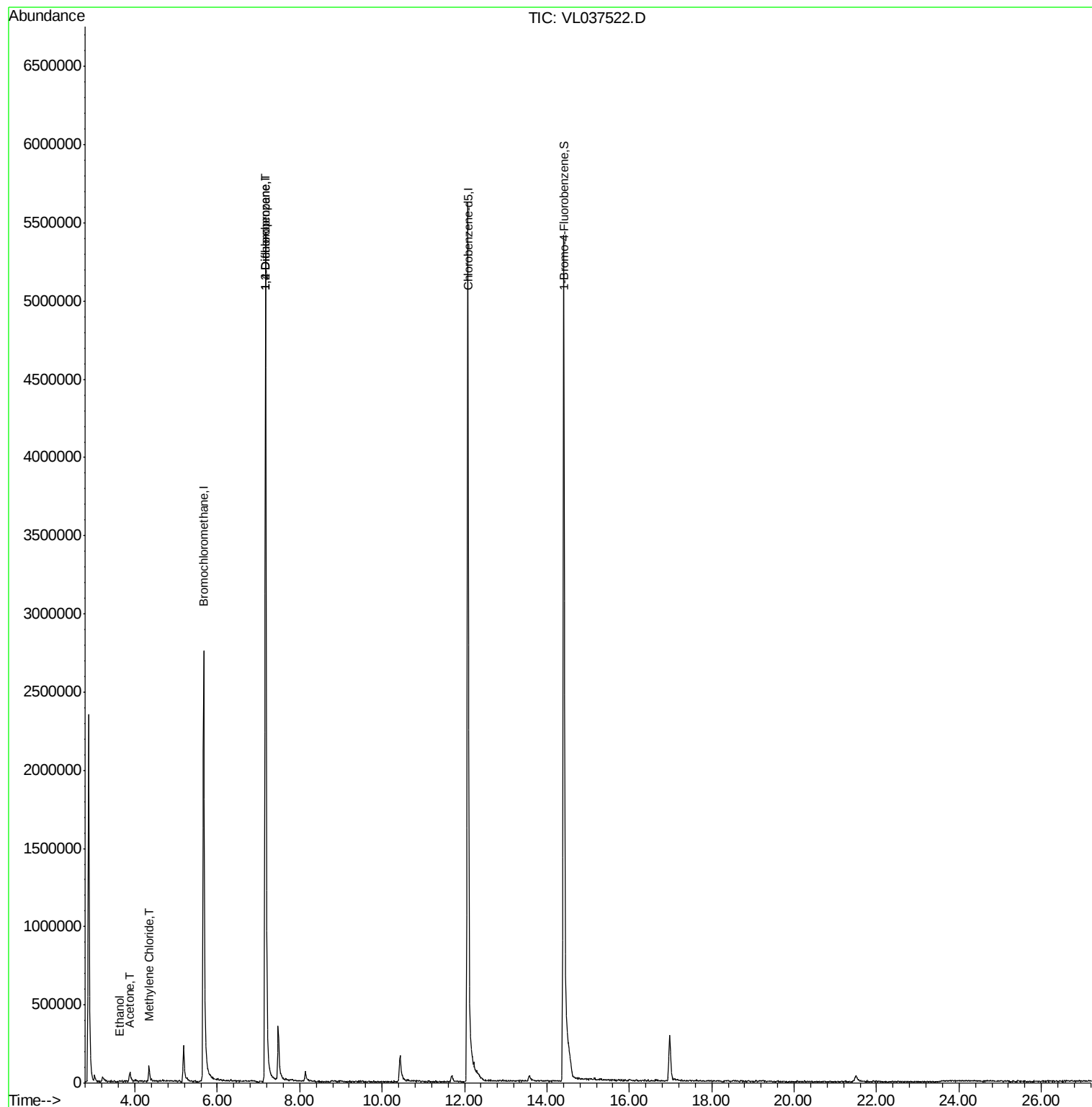
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 13) Ethanol             | 3.61 | 45   | 799      | 0.074 | ppbv # | 39     |
| 15) Acetone             | 3.87 | 43   | 20895    | 0.127 | ppbv # | 44     |
| 20) Methylene Chloride  | 4.34 | 84   | 24531    | 0.297 | ppbv # | 80     |
| 39) 1,2-Dichloropropane | 7.17 | 63   | 1137955  | 7.290 | ppbv # | 27     |

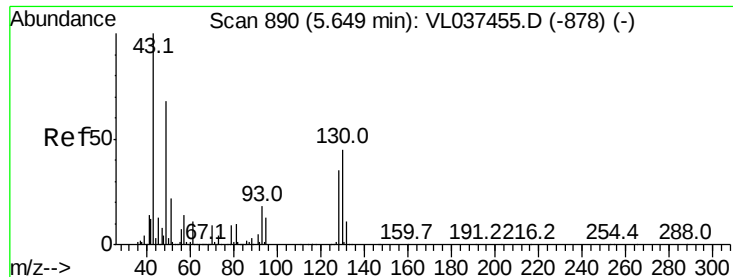
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 17 02:13:47 2021  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL037522.D

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Instrument :

MSVOA\_L

ClientSampleId :

CAN 10279

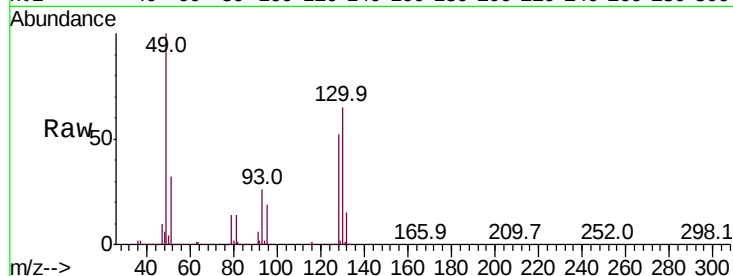
Tot Ion: 49 Resp: 1622957

Ion Ratio Lower Upper

49 100

128 55.1 27.5 82.4

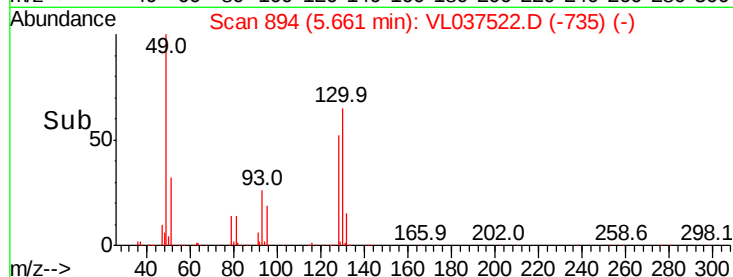
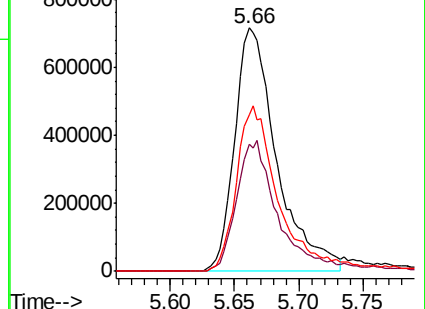
130 71.3 34.0 101.8



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



#13

Ethanol

Concen: 0.074 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037522.D

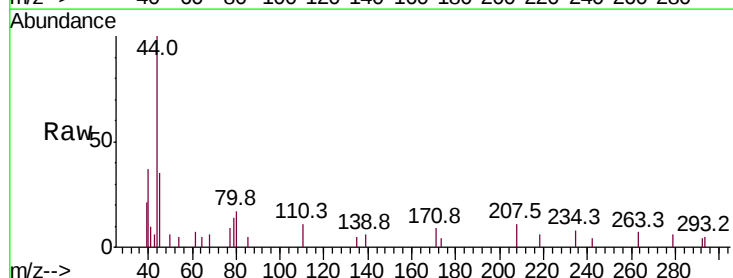
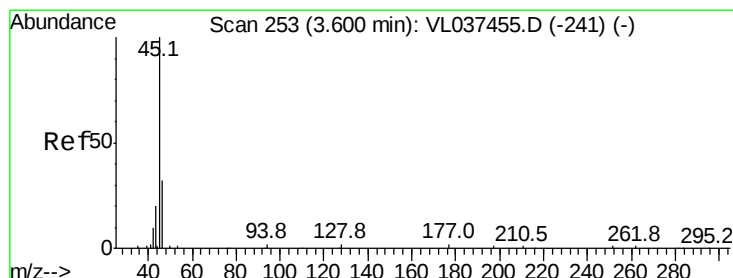
Acq: 3 Sep 2021 15:42

Tgt Ion: 45 Resp: 799

Ion Ratio Lower Upper

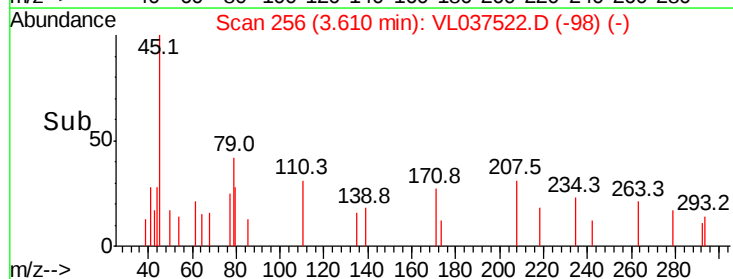
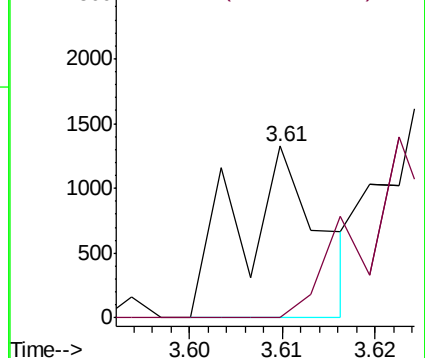
45 100

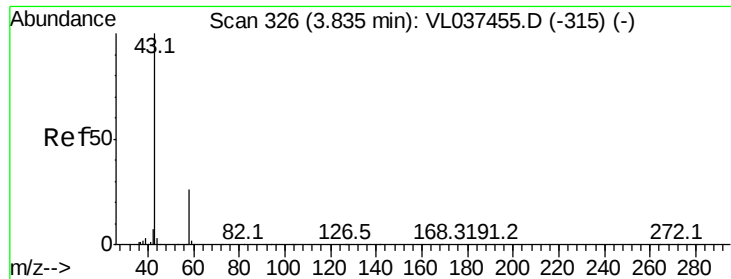
46 0.0 14.1 56.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.127 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.04 min

Lab File: VL037522.D

Acq: 3 Sep 2021 15:42

Instrument :

MSVOA\_L

ClientSampleId :

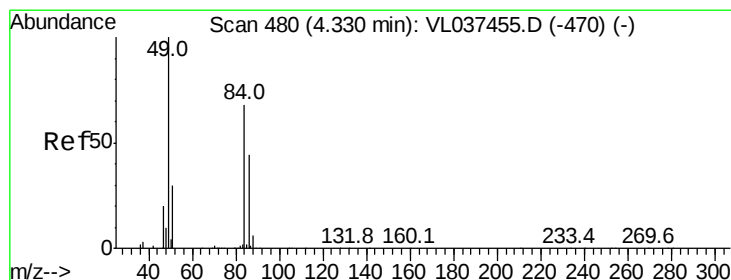
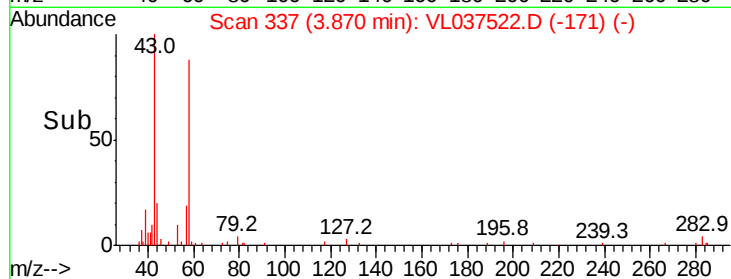
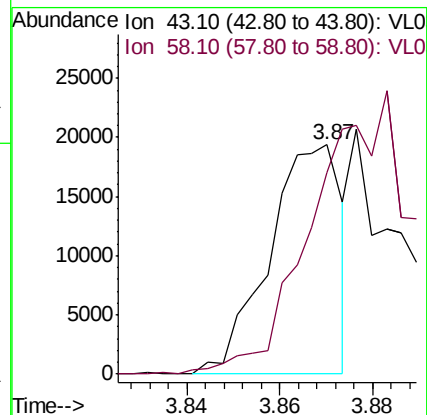
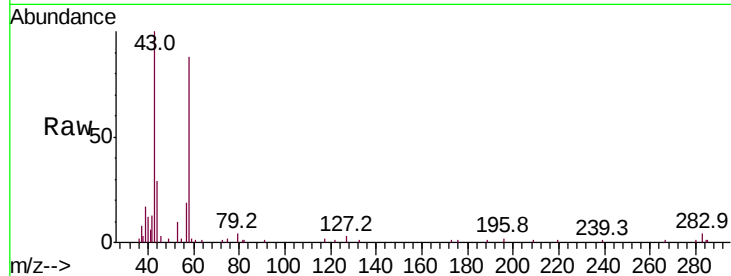
CAN 10279

Tot Ion: 43 Resp: 20895

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#



#20

Methylene Chloride

Concen: 0.297 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037522.D

Acq: 3 Sep 2021 15:42

Tgt Ion: 84 Resp: 24531

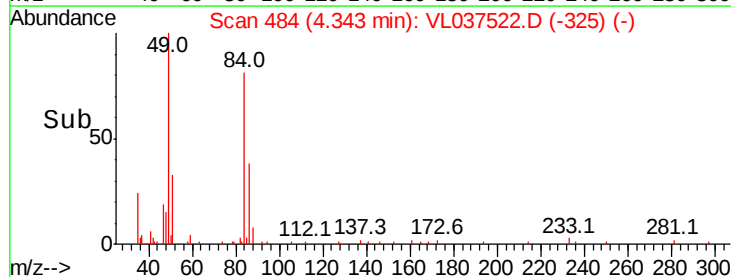
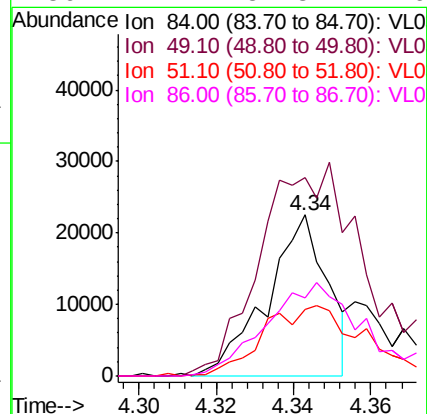
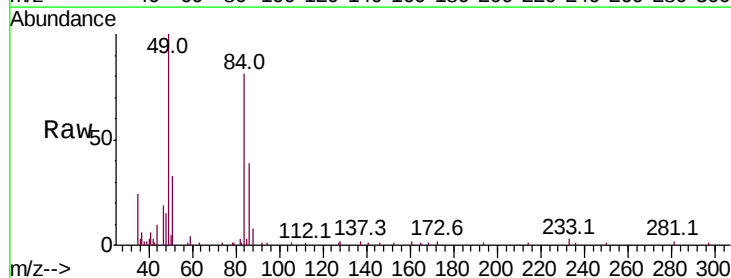
Ion Ratio Lower Upper

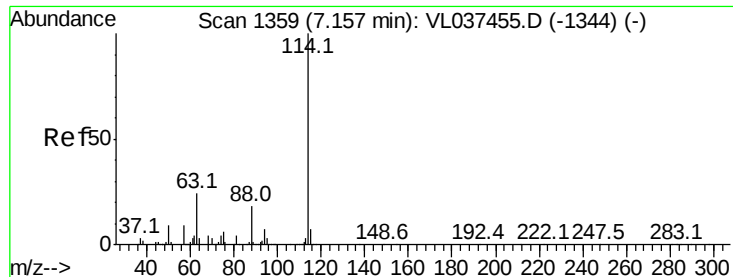
84 100

49 119.8 118.2 177.2

51 40.1 36.6 55.0

86 47.1 51.8 77.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. 0.02 min

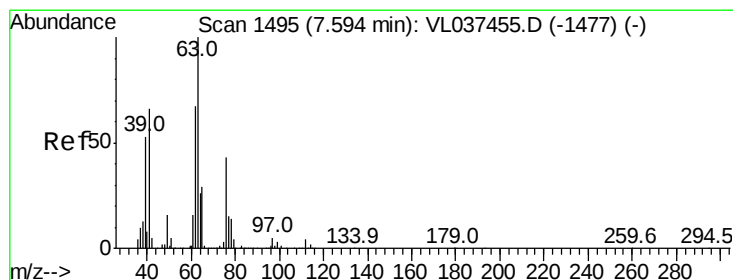
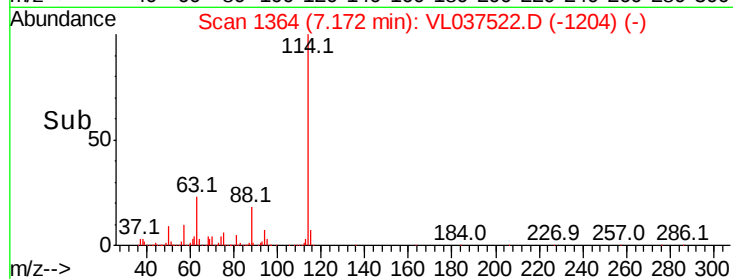
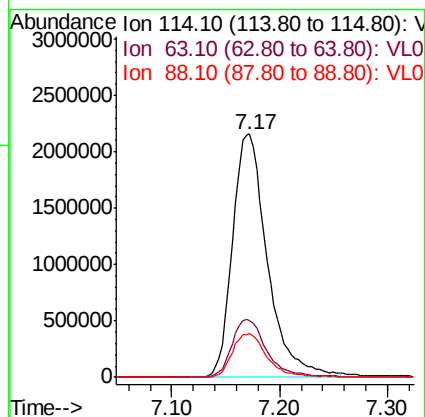
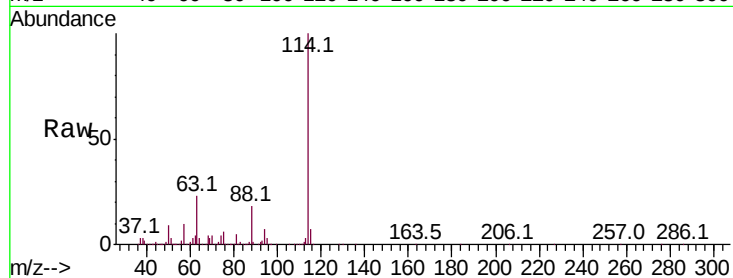
Lab File: VL037522.D

Acq: 3 Sep 2021 15:42

Instrument :  
MSVOA\_L  
ClientSampleId :  
CAN 10279

Tot Ion:114 Resp: 4832490

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 24.3  | 19.3  | 28.9  |
| 88  | 18.3  | 14.2  | 21.4  |



#39

1,2-Dichloropropane

Concen: 7.290 ppbv

RT: 7.17 min Scan# 1363

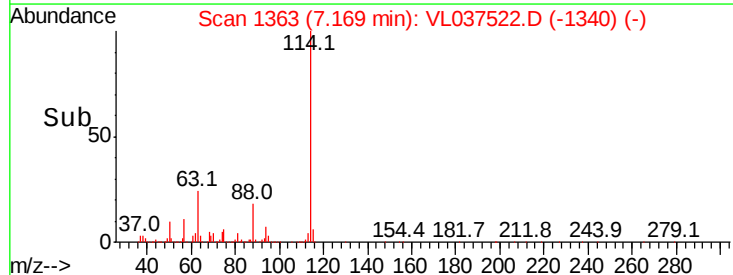
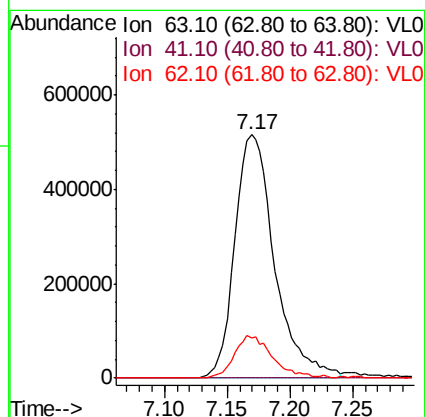
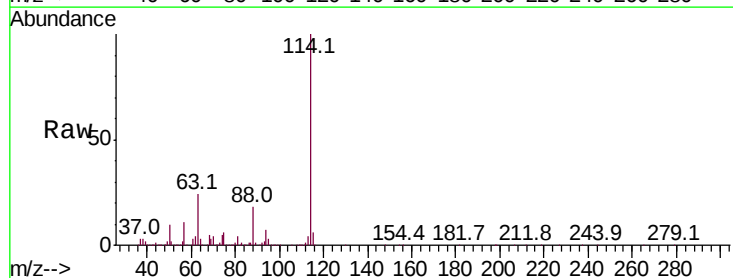
Delta R.T. -0.42 min

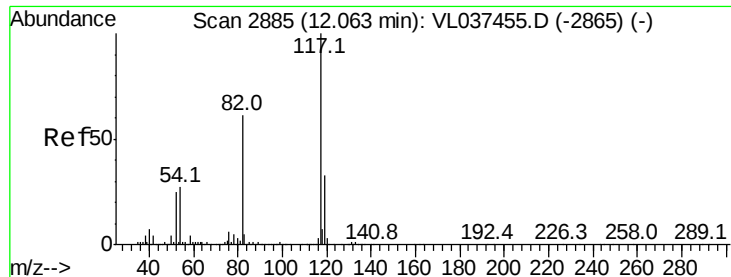
Lab File: VL037522.D

Acq: 3 Sep 2021 15:42

Tgt Ion: 63 Resp: 1137955

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 0.1   | 52.4  | 78.6# |
| 62  | 16.4  | 53.6  | 80.4# |





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. 0.02 min

Lab File: VL037522.D

Acq: 3 Sep 2021 15:42

Instrument :

MSVOA\_L

ClientSampleId :

CAN 10279

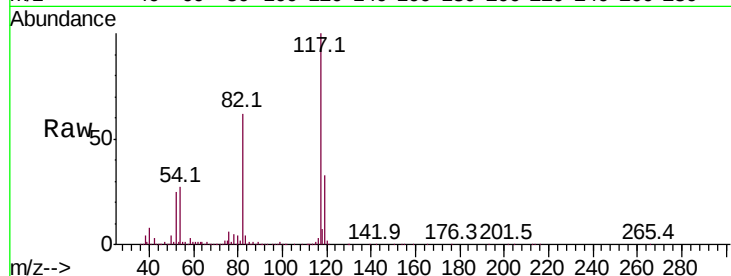
Tot Ion:117 Resp: 4105441

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 66.6  | 52.9  | 79.3  |
| 119 | 34.4  | 24.8  | 37.2  |

117 100

82 66.6 52.9 79.3

119 34.4 24.8 37.2



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

12.08

2000000

1500000

1000000

500000

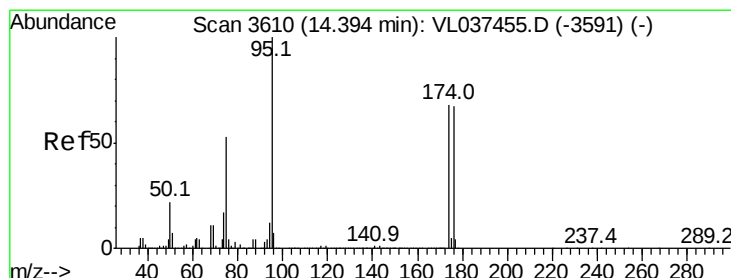
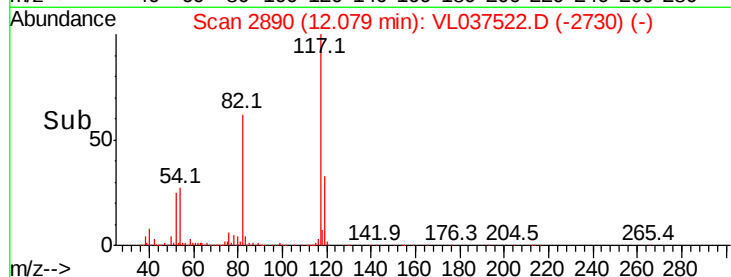
0

Time-->

12.00

12.10

12.20



#68

1-Bromo-4-Fluorobenzene

Concen: 10.405 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL037522.D

Acq: 3 Sep 2021 15:42

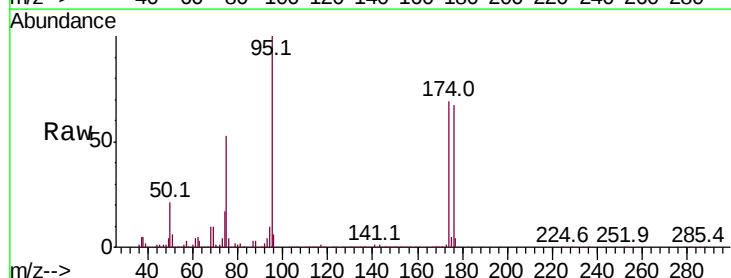
Tgt Ion: 95 Resp: 3034832

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 76.2  | 59.6  | 89.4  |
| 175 | 5.5   | 4.6   | 7.0   |

95 100

174 76.2 59.6 89.4

175 5.5 4.6 7.0



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

14.41

1500000

1000000

500000

0

Time-->

14.30

14.40

14.50

