

Data File : VL036319.D  
Acq On : 10 Feb 2021 14:38  
Operator : SY/AP  
Sample : VSTDICC0.03  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

Quant Time: Feb 10 15:30:51 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL021021AIR.M  
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_LWed Feb 10 13:51:24 2021  
QLast Update : Wed Feb 10 13:51:24 2021  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1534819  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 3332365  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 3042506  | 10.00 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2450769  | 9.73     | ppbv | 0.00   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 97.30% |

| Target Compounds               | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|--------------------------------|------|------|----------|-------|--------|--------|
| 3) Chlorodifluoromethane       | 2.98 | 51   | 7864     | 0.042 | ppbv # | 87     |
| 9) Propene                     | 3.00 | 41   | 5505     | 0.061 | ppbv # | 22     |
| 12) 1,1,2-Trichlorotrifluoroet | 4.47 | 101  | 5103     | 0.040 | ppbv # | 69     |
| 13) Ethanol                    | 3.60 | 45   | 714      | 0.051 | ppbv # | 42     |
| 15) Acetone                    | 3.86 | 43   | 19945    | 0.106 | ppbv # | 1      |
| 20) Methylene Chloride         | 4.32 | 84   | 2618     | 0.044 | ppbv # | 34     |
| 39) 1,2-Dichloropropane        | 7.15 | 63   | 989938   | 7.985 | ppbv # | 23     |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL021021\

Quantitation Report (Not Reviewed)

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Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.03

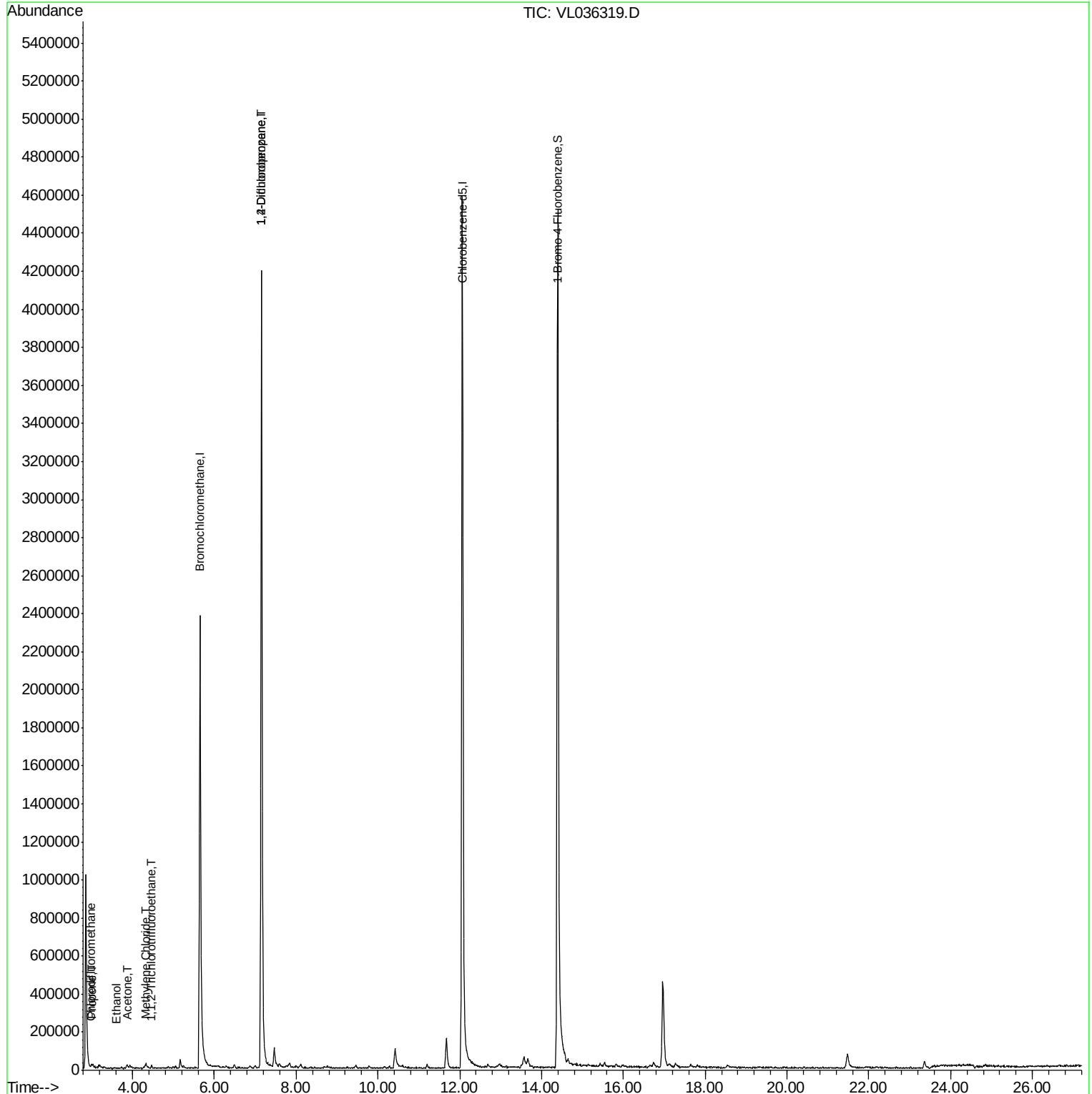
Quant Time: Feb 10 15:30:51 2021

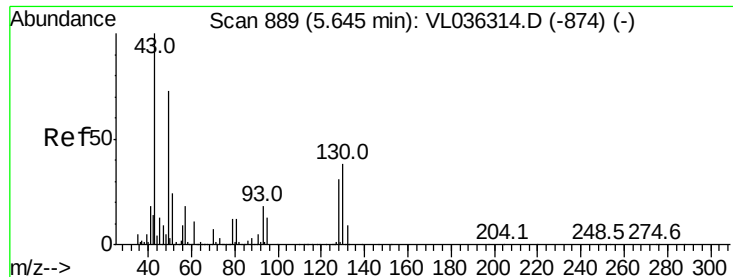
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL021021AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Feb 10 13:51:24 2021

QLast Update : Wed Feb 10 13:51:24 2021

Response via : Initial Calibration

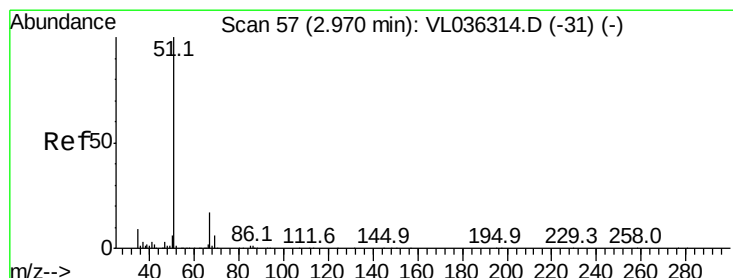
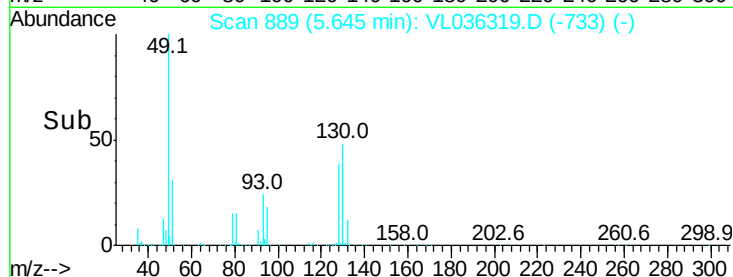
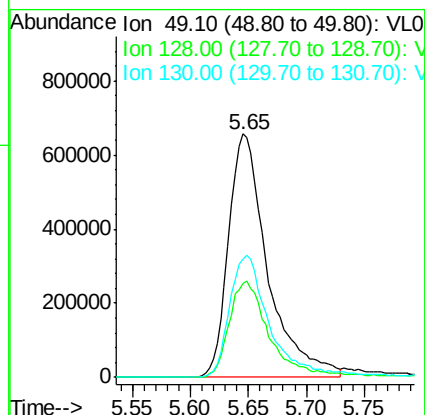
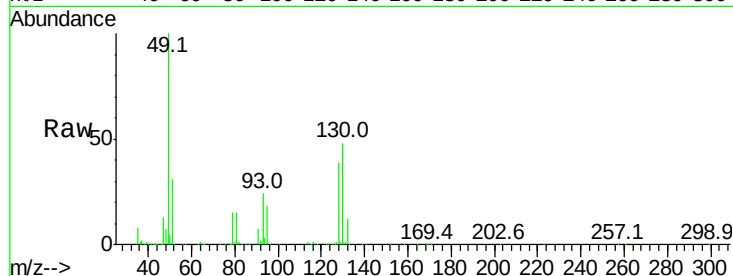




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.65 min Scan# 889  
Delta R.T. 0.00 min  
Lab File: VL036319.D  
Acq: 10 Feb 2021 14:38

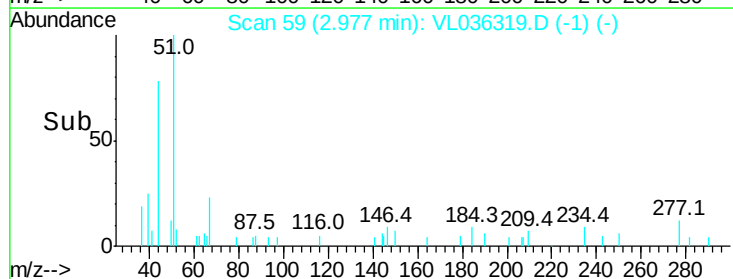
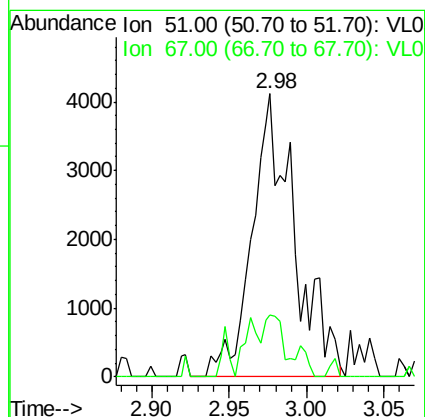
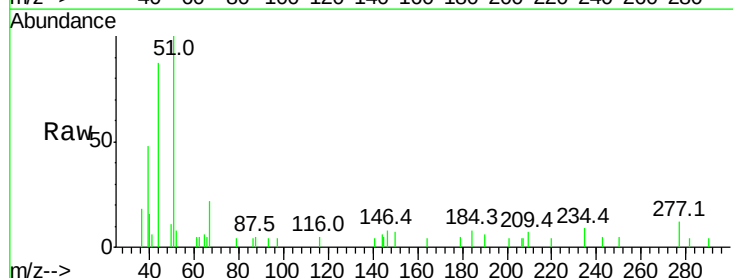
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

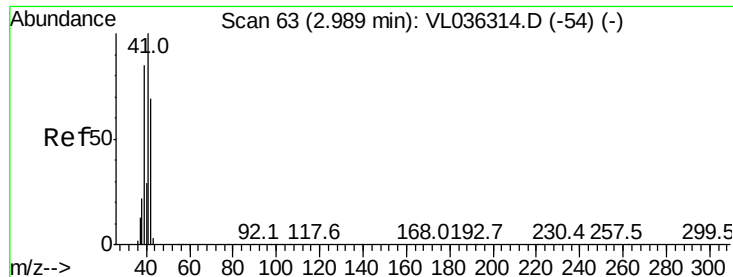
Tgt Ion: 49 Resp: 1534819  
Ion Ratio Lower Upper  
49 100  
128 42.2 20.8 62.5  
130 52.9 26.7 80.1



#3  
Chlorodifluoromethane  
Concen: 0.042 ppbv  
RT: 2.98 min Scan# 59  
Delta R.T. 0.01 min  
Lab File: VL036319.D  
Acq: 10 Feb 2021 14:38

Tgt Ion: 51 Resp: 7864  
Ion Ratio Lower Upper  
51 100  
67 24.1 14.7 22.1#





#9

Propene

Concen: 0.061 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL036319.D

Acq: 10 Feb 2021 14:38

Instrument :

MSVOA\_L

ClientSampleId :

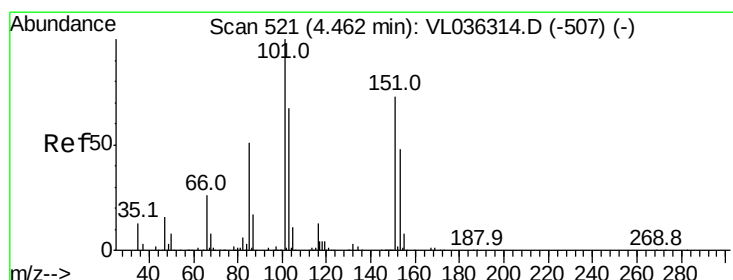
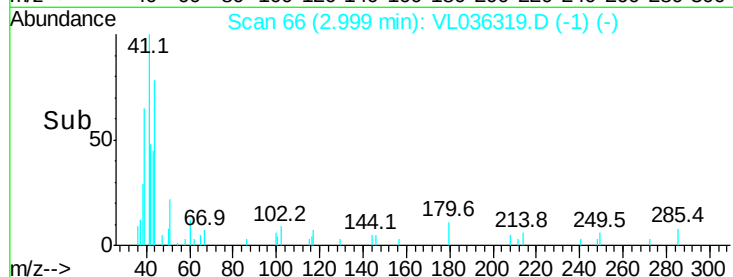
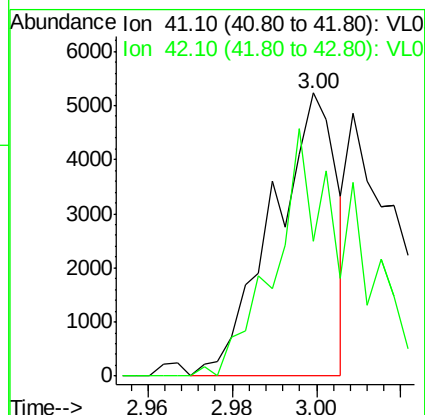
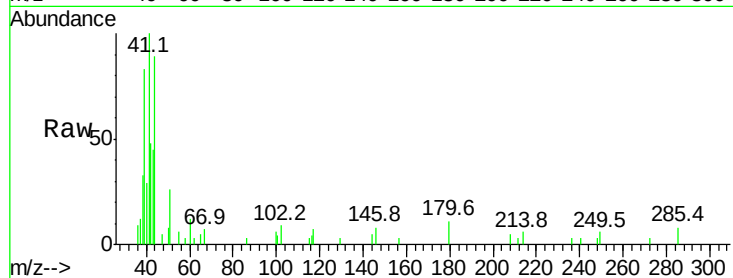
VSTDIC0.03

Tgt Ion: 41 Resp: 5505

Ion Ratio Lower Upper

41 100

42 134.0 56.2 84.2#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.040 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.01 min

Lab File: VL036319.D

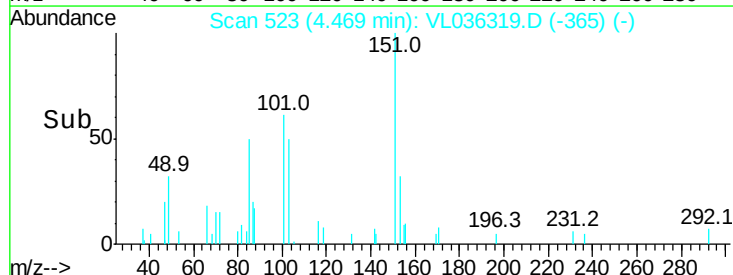
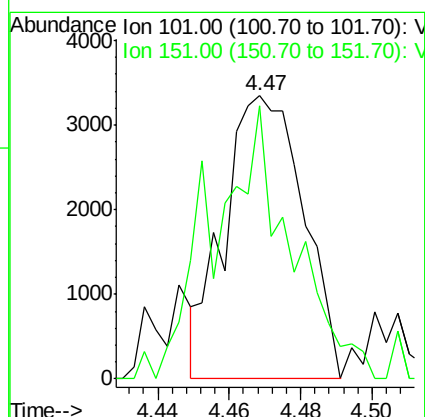
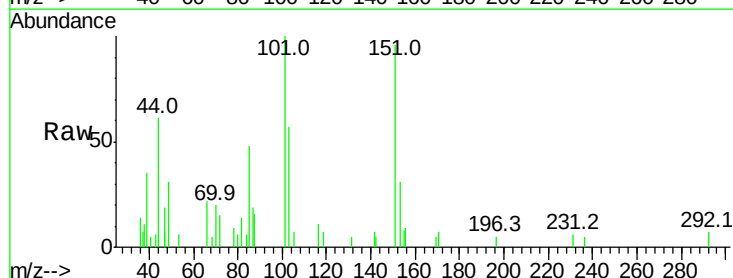
Acq: 10 Feb 2021 14:38

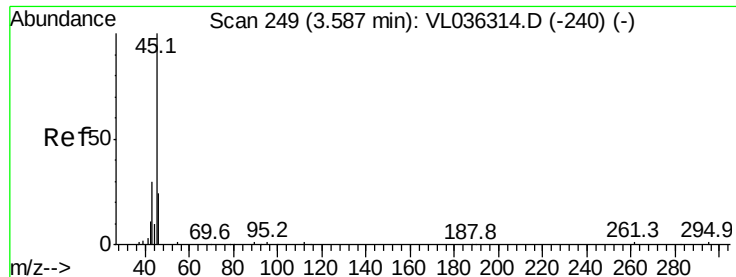
Tgt Ion: 101 Resp: 5103

Ion Ratio Lower Upper

101 100

151 98.9 58.2 87.4#

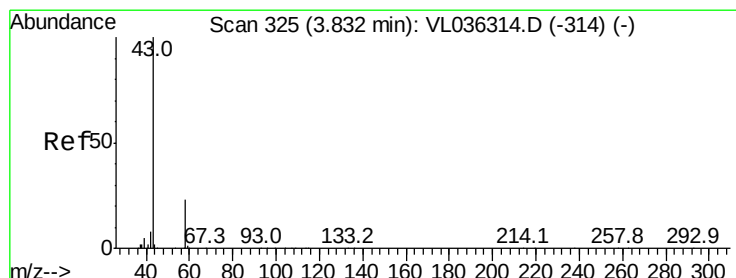
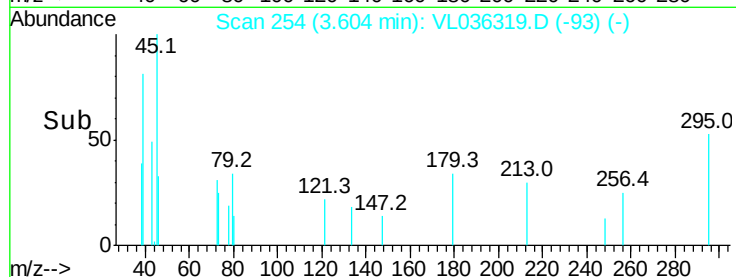
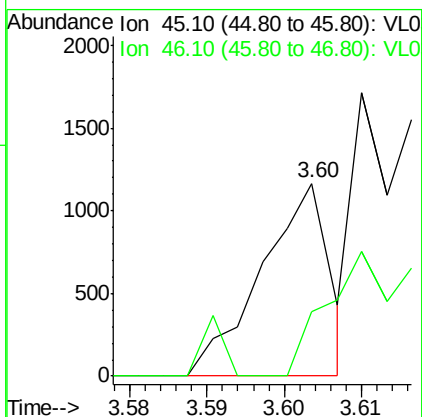
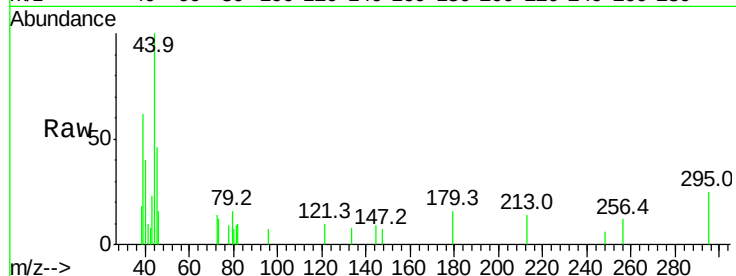




#13  
Ethanol  
Concen: 0.051 ppbv  
RT: 3.60 min Scan# 254  
Delta R.T. 0.02 min  
Lab File: VL036319.D  
Acq: 10 Feb 2021 14:38

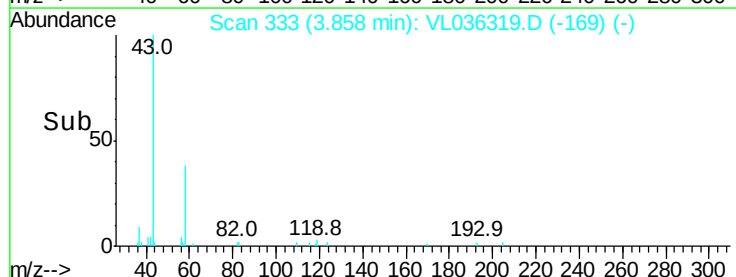
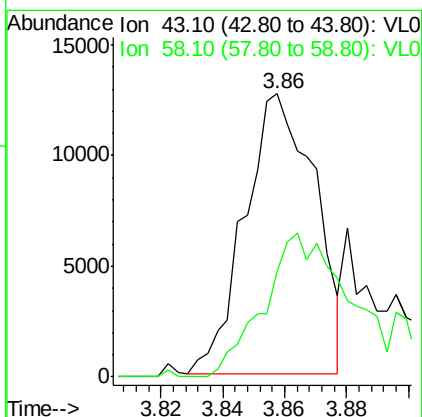
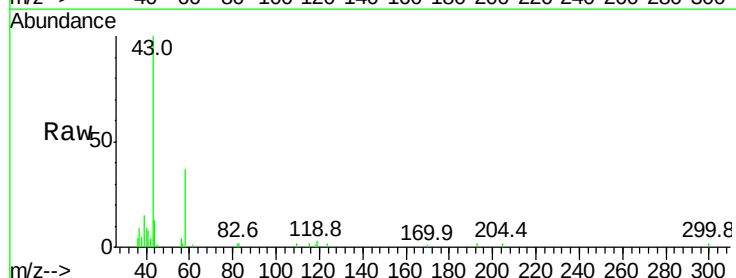
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

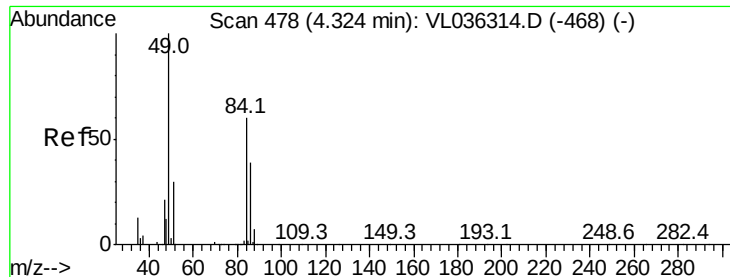
Tgt Ion: 45 Resp: 714  
Ion Ratio Lower Upper  
45 100  
46 6.9 17.7 70.7#



#15  
Acetone  
Concen: 0.106 ppbv  
RT: 3.86 min Scan# 333  
Delta R.T. 0.03 min  
Lab File: VL036319.D  
Acq: 10 Feb 2021 14:38

Tgt Ion: 43 Resp: 19945  
Ion Ratio Lower Upper  
43 100  
58 82.4 20.3 30.5#

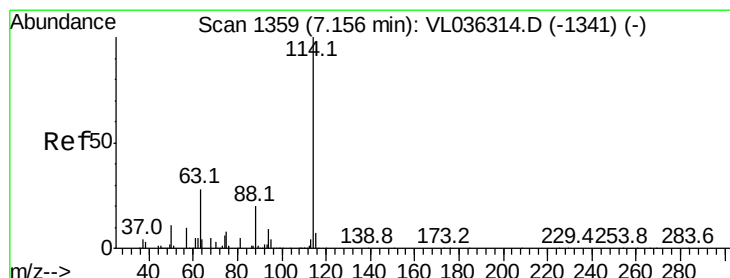
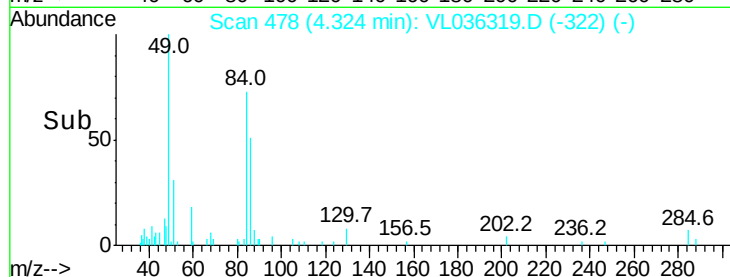
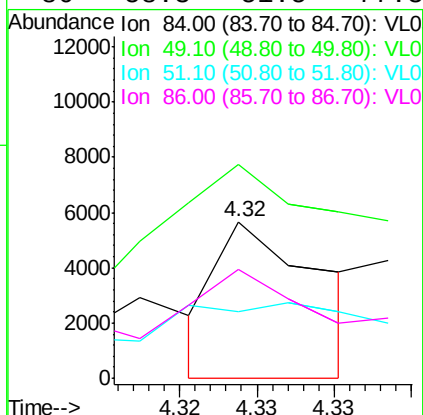
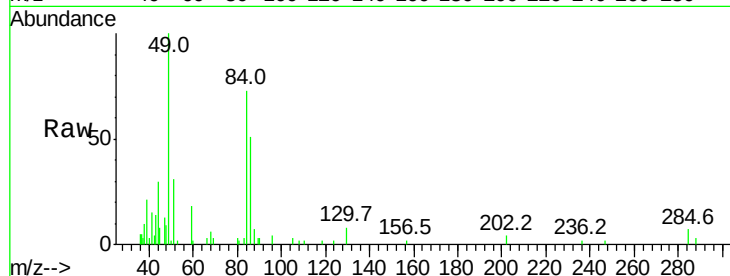




#20  
Methylene Chloride  
Concen: 0.044 ppbv  
RT: 4.32 min Scan# 478  
Delta R.T. 0.00 min  
Lab File: VL036319.D  
Acq: 10 Feb 2021 14:38

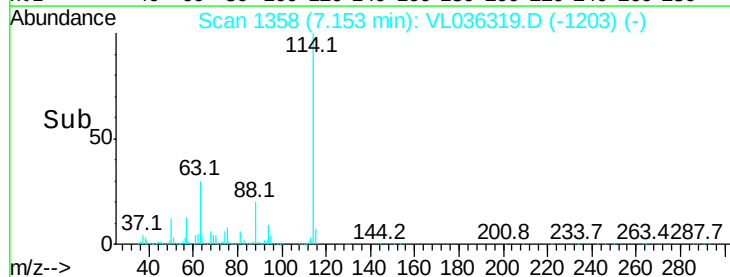
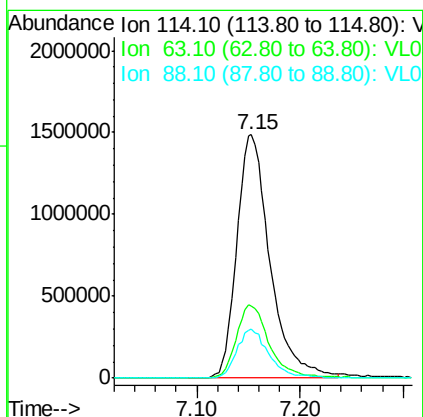
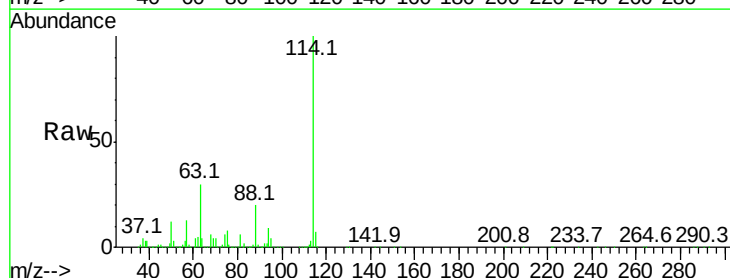
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

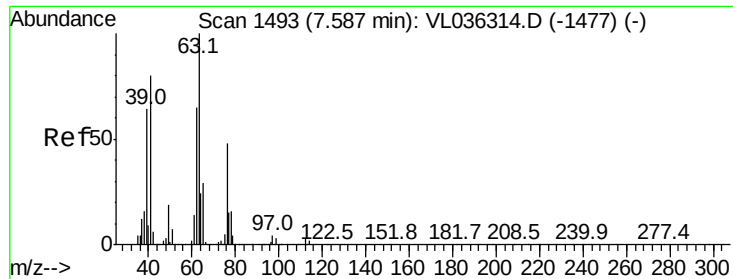
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 2618   |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 49.9  | 133.8 | 200.8# |
| 51       | 0.0   | 41.4  | 62.0#  |
| 86       | 58.3  | 51.5  | 77.3   |



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 7.15 min Scan# 1358  
Delta R.T. -0.00 min  
Lab File: VL036319.D  
Acq: 10 Feb 2021 14:38

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 114   | Resp: | 3332365 |
| Ion      | Ratio | Lower | Upper   |
| 114      | 100   |       |         |
| 63       | 30.5  | 24.1  | 36.1    |
| 88       | 19.9  | 16.0  | 24.0    |





#39

1,2-Dichloropropane

Concen: 7.985 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.44 min

Lab File: VL036319.D

Acq: 10 Feb 2021 14:38

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.03

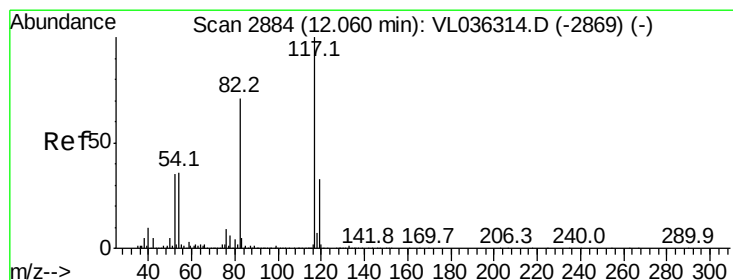
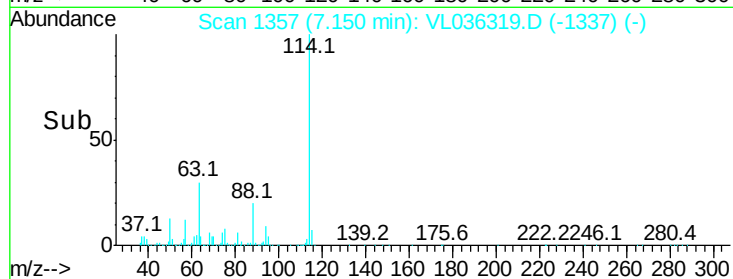
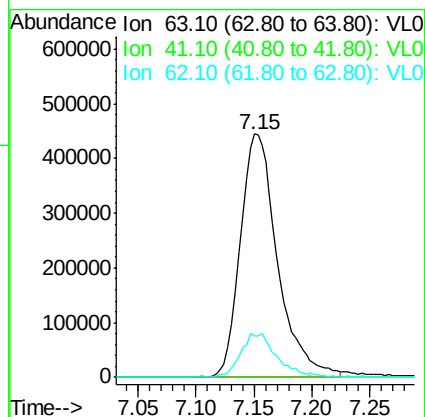
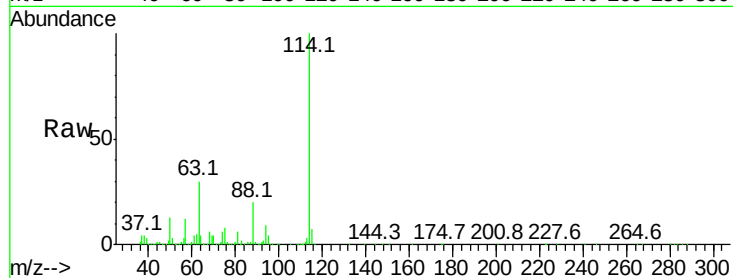
Tgt Ion: 63 Resp: 989938

Ion Ratio Lower Upper

63 100

41 0.0 63.8 95.6#

62 16.8 52.3 78.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VL036319.D

Acq: 10 Feb 2021 14:38

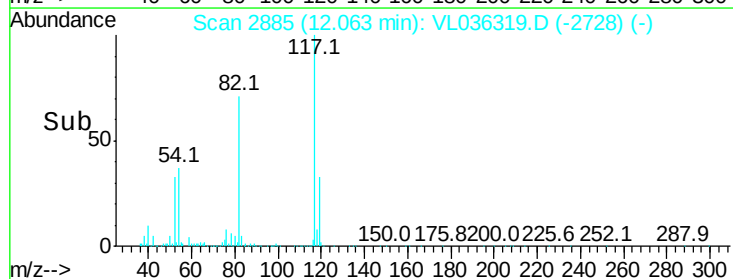
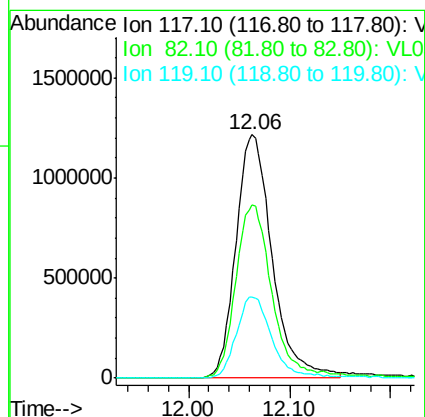
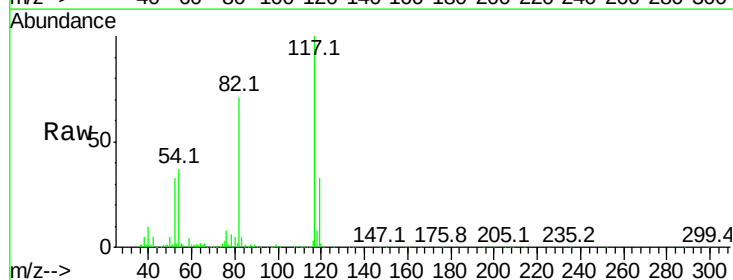
Tgt Ion: 117 Resp: 3042506

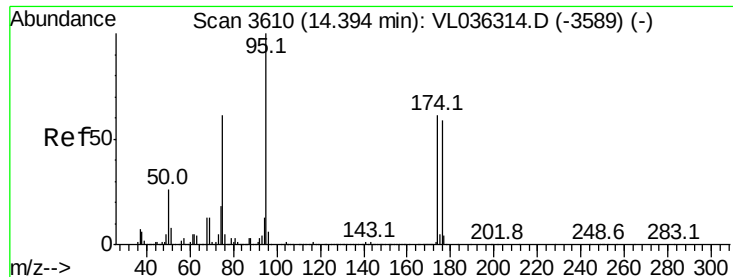
Ion Ratio Lower Upper

117 100

82 72.9 59.1 88.7

119 33.8 46.3 69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.732 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL036319.D

Acq: 10 Feb 2021 14:38

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 95 Resp: 2450769

Ion Ratio Lower Upper

95 100

174 63.8 49.8 74.6

175 4.6 3.7 5.5

