

Data File : VL036153.D  
Acq On : 11 Dec 2020 7:21  
Operator : SY/AP  
Sample : L5005-01DL 10X  
Misc : 400ml/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
48-1DL

Quant Time: Dec 11 07:53:46 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL120720AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Dec 07 16:56:49 2020  
QLast Update : Mon Dec 07 16:56:49 2020  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1327853  | 10.00 | ppbv  | -0.04    |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 2540379  | 10.00 | ppbv  | -0.04    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 2299495  | 10.00 | ppbv  | -0.04    |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 2010728  | 11.01    | ppbv | -0.04   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 110.10% |

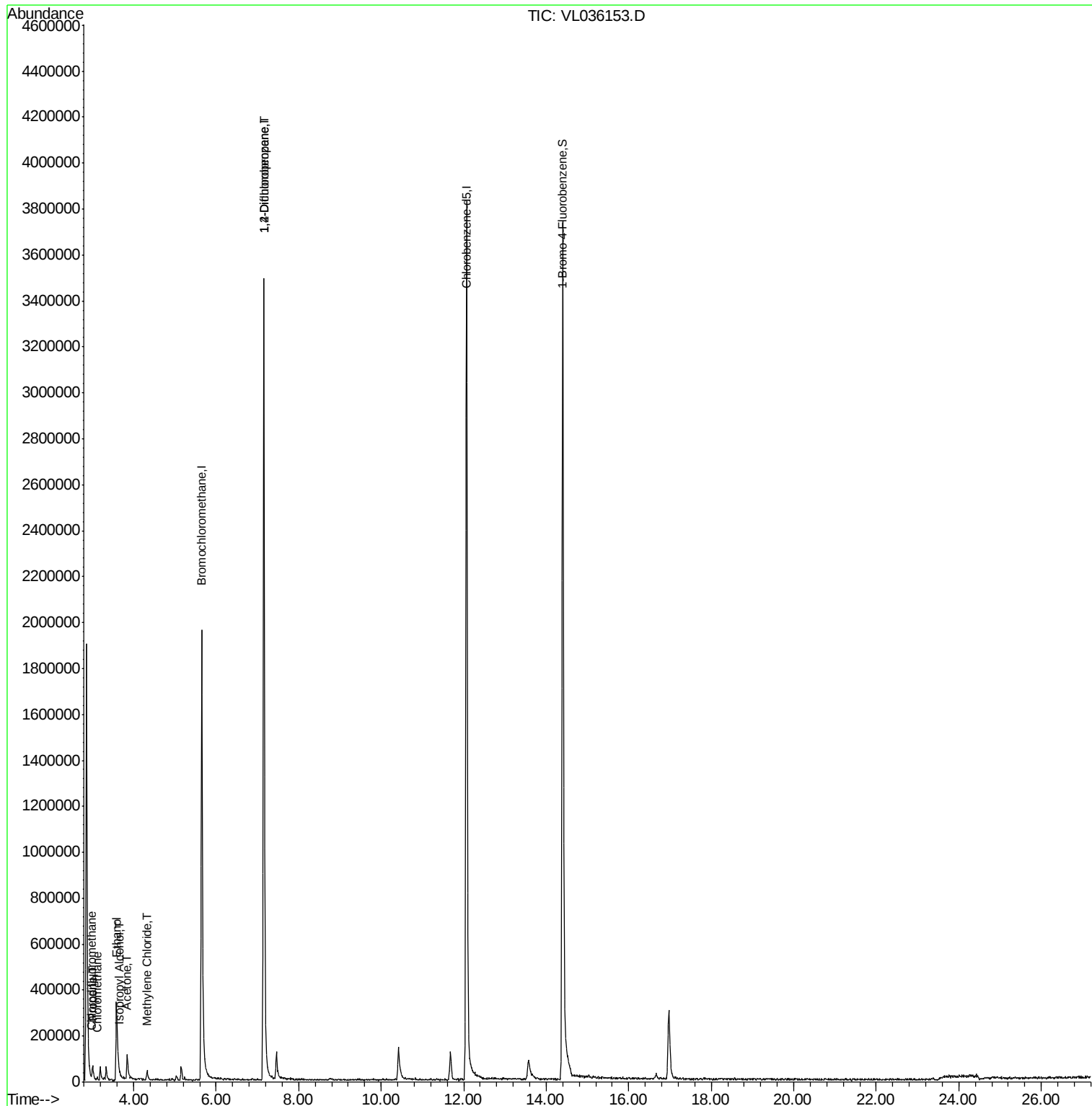
| Target Compounds         | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------|------|------|----------|--------|--------|--------|
| 3) Chlorodifluoromethane | 2.97 | 51   | 14191    | 0.094  | ppbv # | 77     |
| 4) Chloromethane         | 3.12 | 50   | 3083     | 0.041  | ppbv # | 57     |
| 9) Propene               | 3.00 | 41   | 13590    | 0.179  | ppbv   | 91     |
| 13) Ethanol              | 3.58 | 45   | 394484   | 37.705 | ppbv   | 98     |
| 15) Acetone              | 3.84 | 43   | 128224   | 0.803  | ppbv # | 84     |
| 19) Isopropyl Alcohol    | 3.66 | 45   | 7934     | 0.081  | ppbv # | 100    |
| 20) Methylene Chloride   | 4.32 | 84   | 8008     | 0.122  | ppbv # | 64     |
| 39) 1,2-Dichloropropane  | 7.16 | 63   | 845575   | 9.945  | ppbv # | 25     |

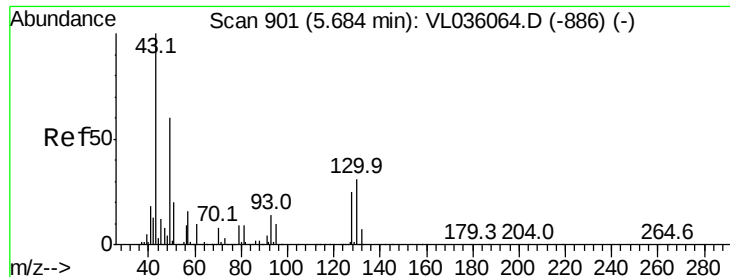
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 16:56:49 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.04 min

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Instrument :

MSVOA\_L

ClientSampleId :

48-1DL

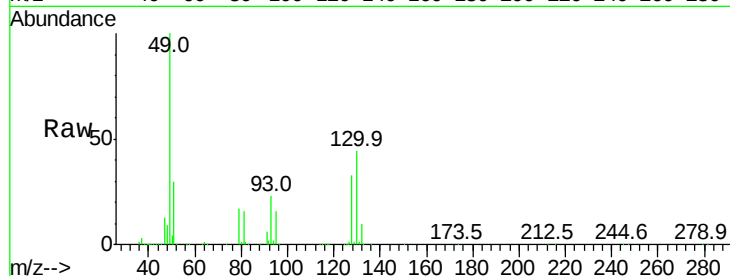
Tgt Ion: 49 Resp: 1327853

Ion Ratio Lower Upper

49 100

128 35.5 21.1 63.1

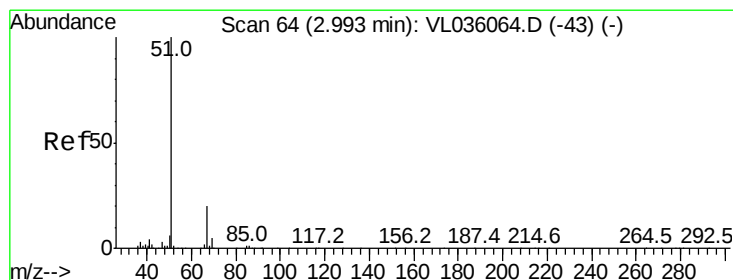
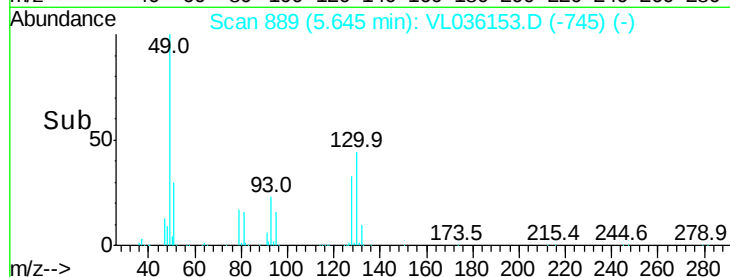
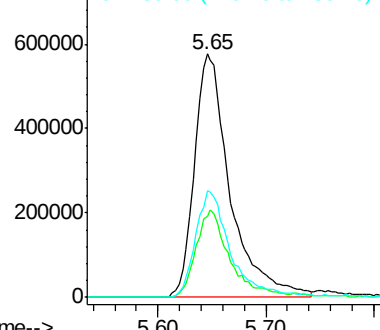
130 44.3 27.1 81.3



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



#3

Chlorodifluoromethane

Concen: 0.094 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL036153.D

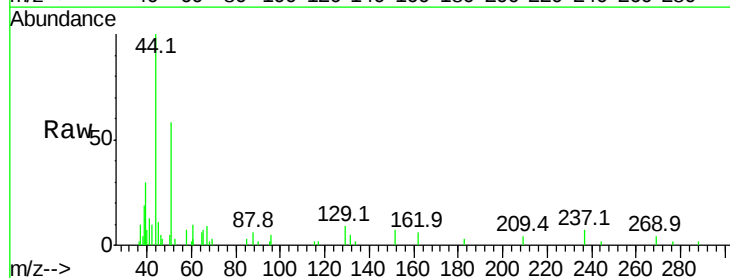
Acq: 11 Dec 2020 7:21

Tgt Ion: 51 Resp: 14191

Ion Ratio Lower Upper

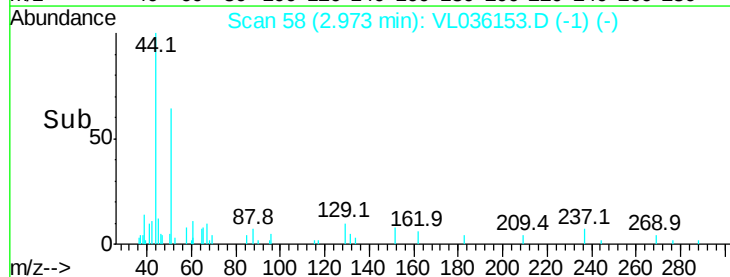
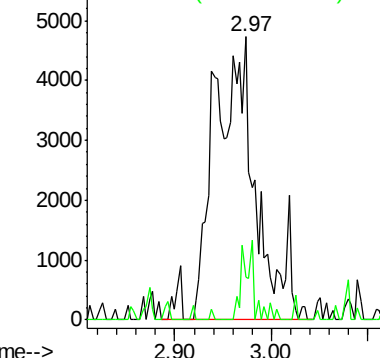
51 100

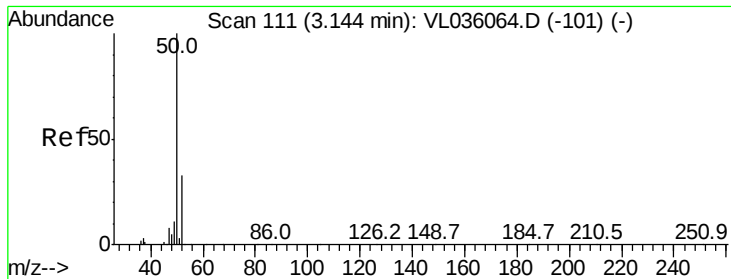
67 7.6 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.041 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.03 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

Instrument :

MSVOA\_L

ClientSampleId :

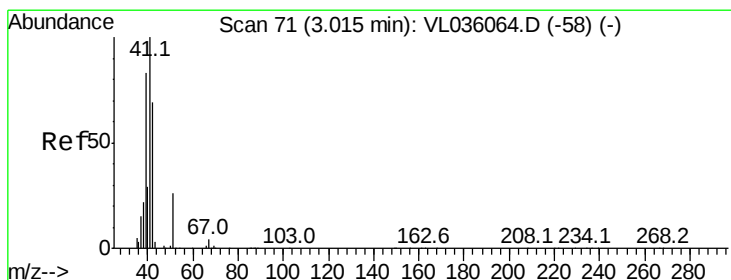
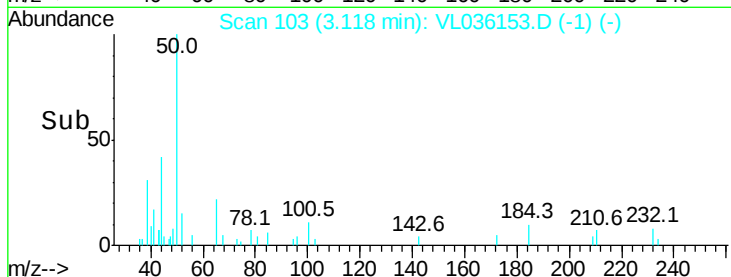
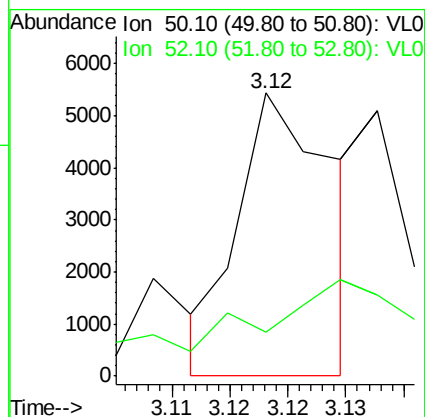
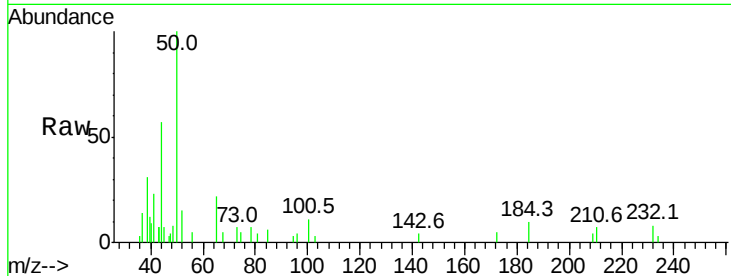
48-1DL

Tgt Ion: 50 Resp: 3083

Ion Ratio Lower Upper

50 100

52 8.5 26.1 39.1#



#9

Propene

Concen: 0.179 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.02 min

Lab File: VL036153.D

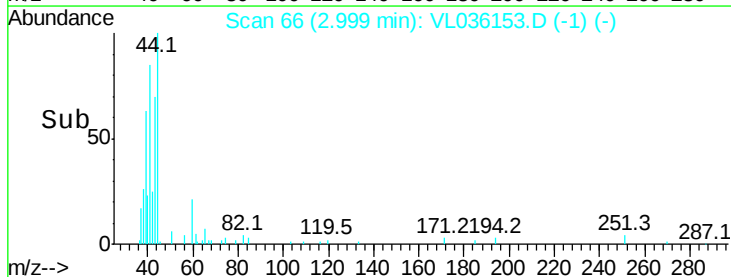
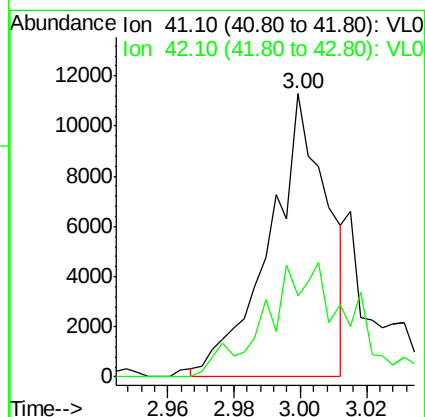
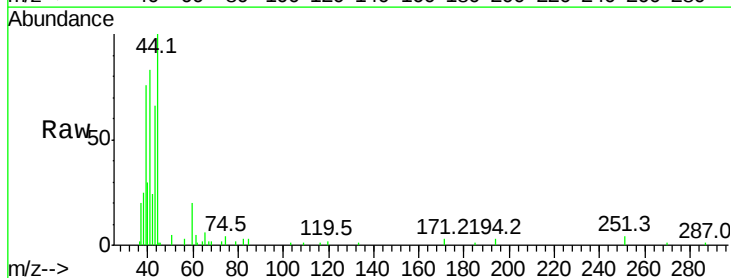
Acq: 11 Dec 2020 7:21

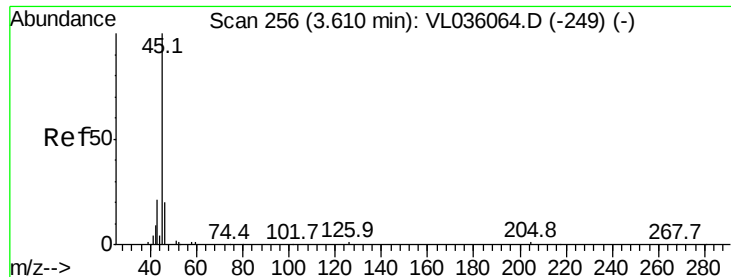
Tgt Ion: 41 Resp: 13590

Ion Ratio Lower Upper

41 100

42 63.8 57.0 85.6





#13

Ethanol

Concen: 37.705 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.03 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

Instrument :

MSVOA\_L

ClientSampleId :

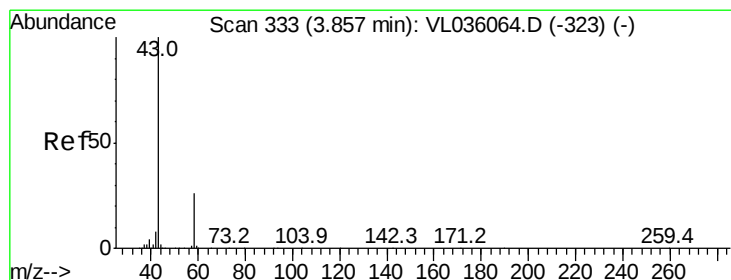
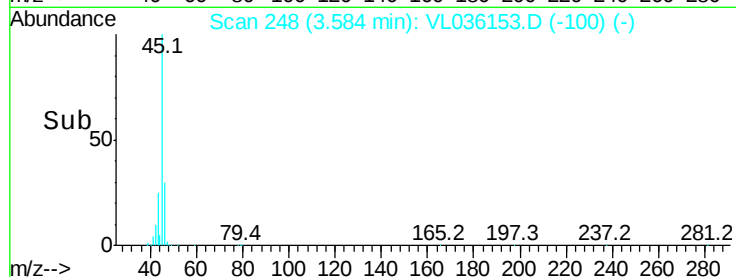
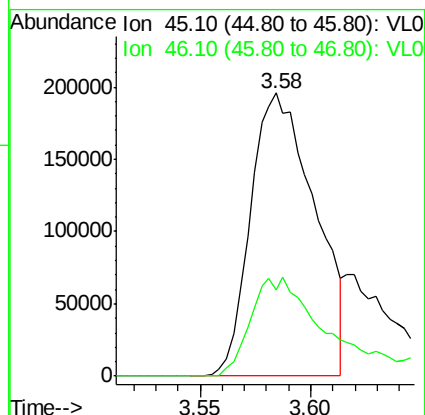
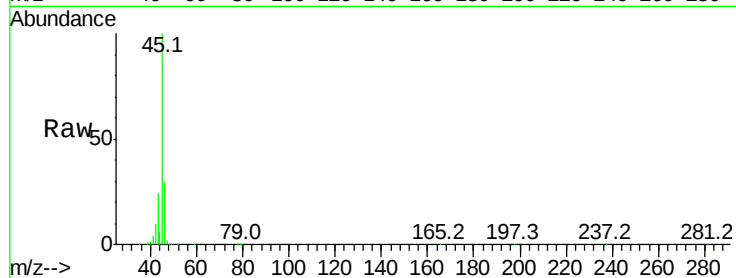
48-1DL

Tgt Ion: 45 Resp: 394484

Ion Ratio Lower Upper

45 100

46 49.0 19.0 75.8



#15

Acetone

Concen: 0.803 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL036153.D

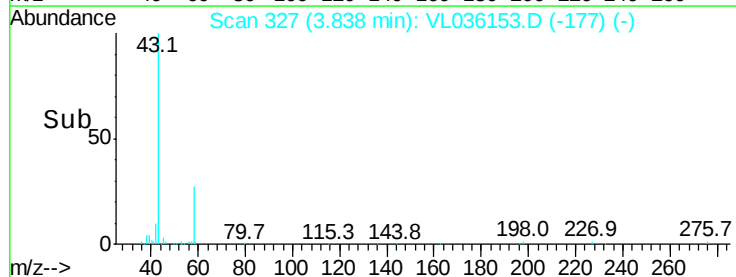
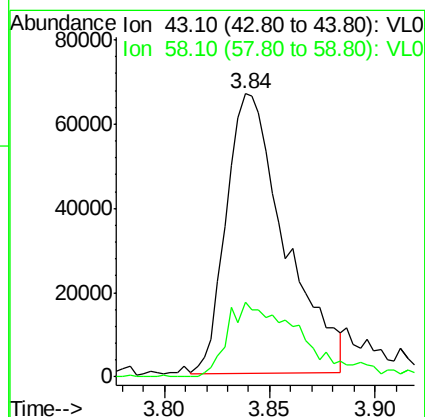
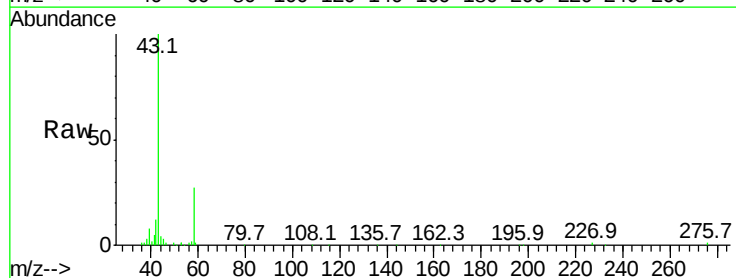
Acq: 11 Dec 2020 7:21

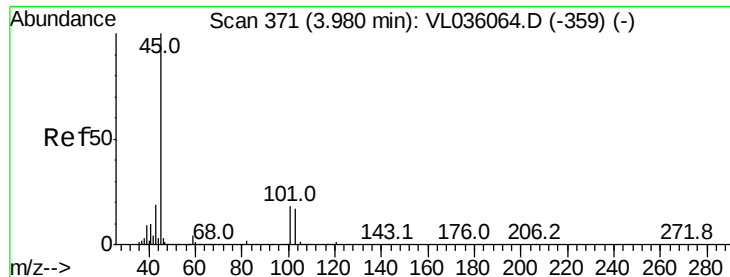
Tgt Ion: 43 Resp: 128224

Ion Ratio Lower Upper

43 100

58 34.4 20.9 31.3#





#19

Isopropyl Alcohol

Concen: 0.081 ppbv

RT: 3.66 min Scan# 273

Delta R.T. -0.32 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

Instrument :

MSVOA\_L

ClientSampleId :

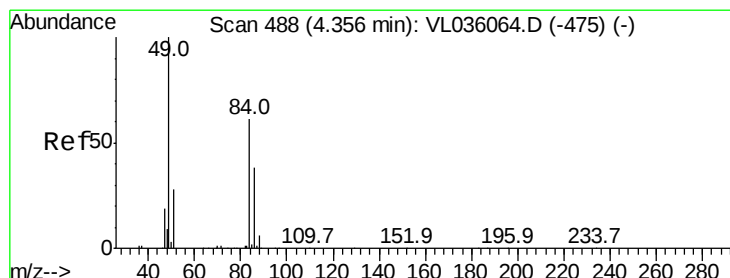
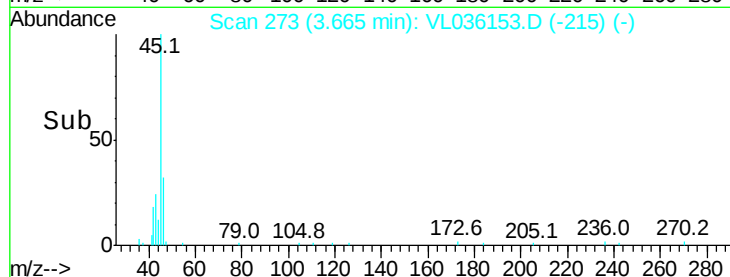
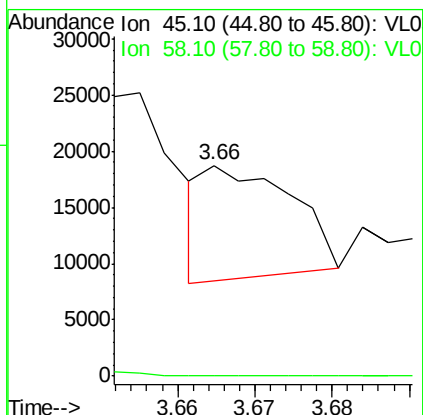
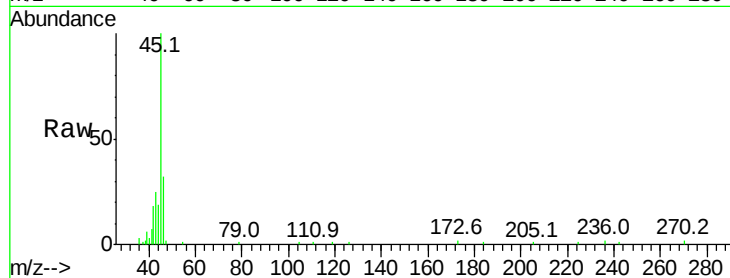
48-1DL

Tgt Ion: 45 Resp: 7934

Ion Ratio Lower Upper

45 100

58 559.9 0.0 0.0#



#20

Methylene Chloride

Concen: 0.122 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.03 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

Tgt Ion: 84 Resp: 8008

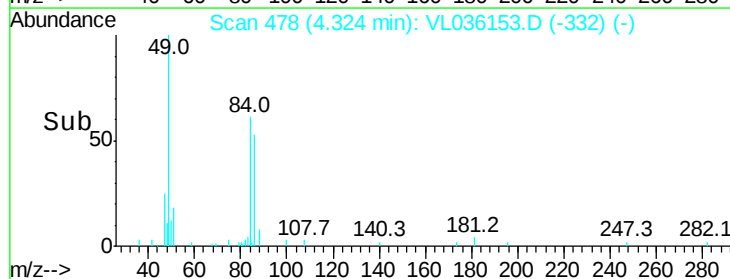
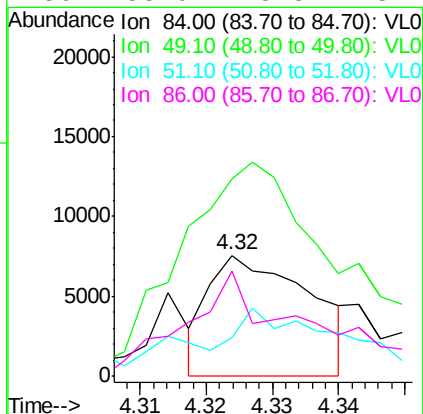
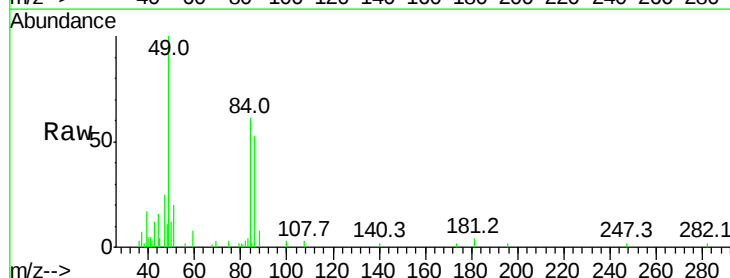
Ion Ratio Lower Upper

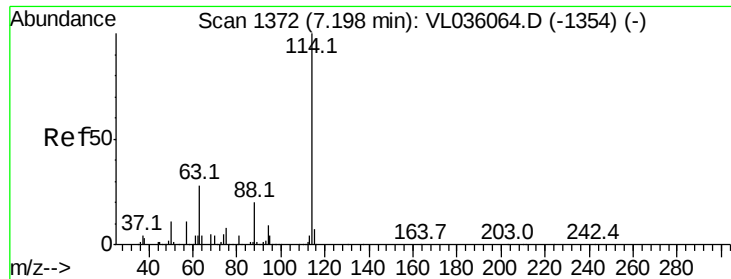
84 100

49 126.8 133.0 199.4#

51 6.6 38.9 58.3#

86 88.0 48.8 73.2#

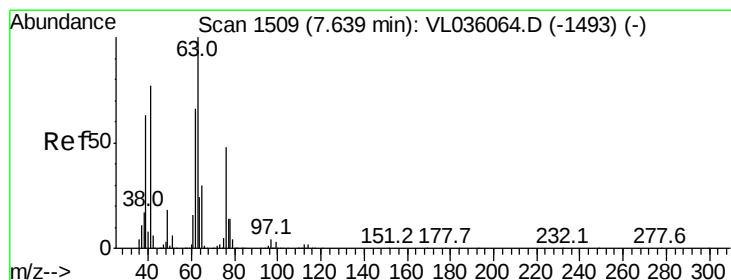
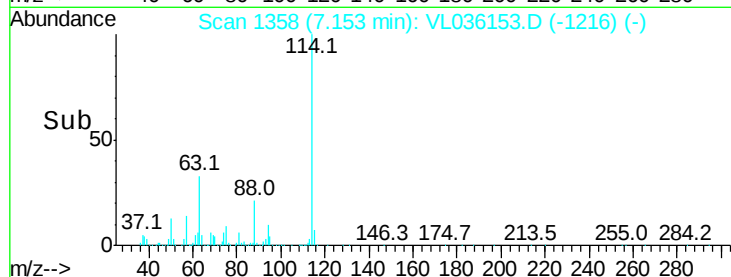
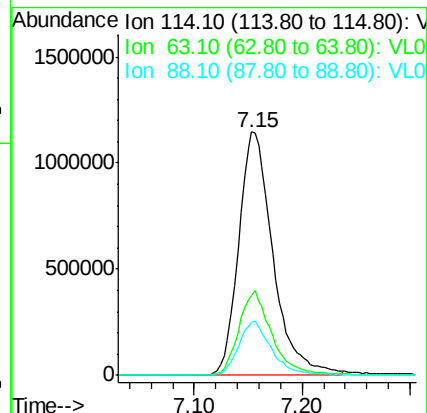
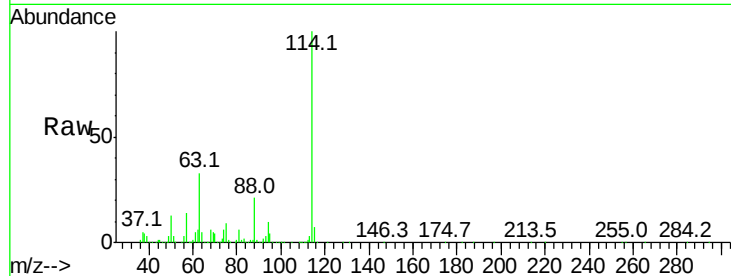




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 7.15 min Scan# 1358  
 Delta R.T. -0.04 min  
 Lab File: VL036153.D  
 Acq: 11 Dec 2020 7:21

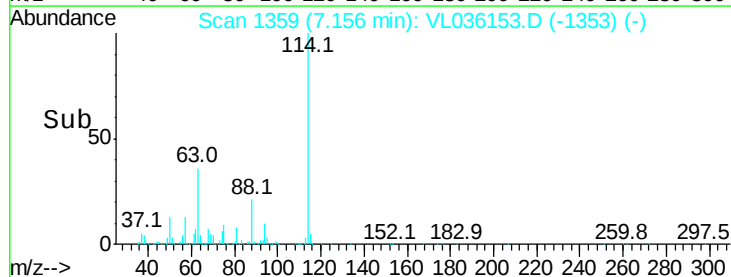
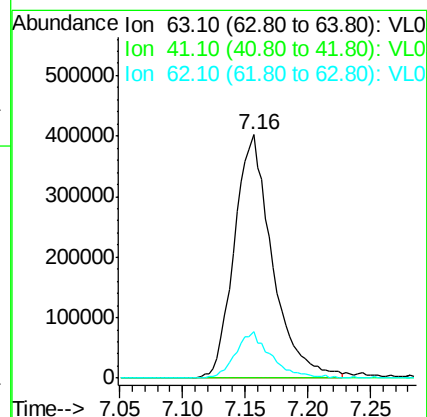
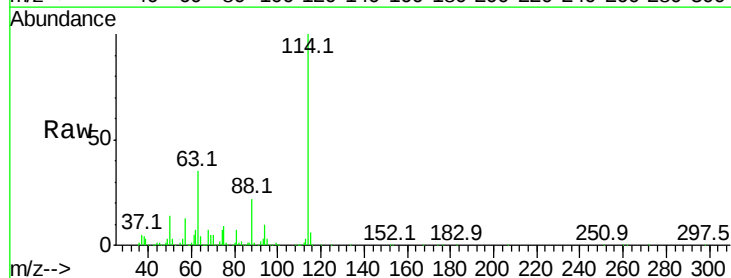
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 48-1DL

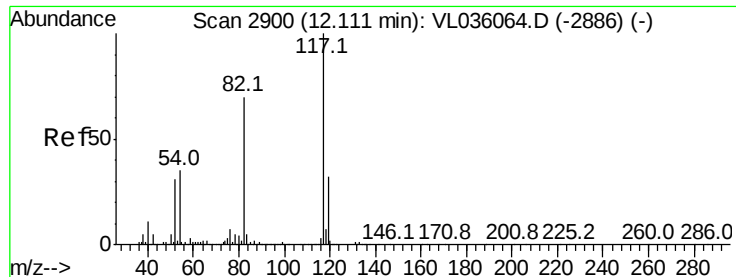
Tgt Ion: 114 Resp: 2540379  
 Ion Ratio Lower Upper  
 114 100  
 63 34.2 23.6 35.4  
 88 21.4 15.8 23.6



#39  
 1,2-Dichloropropane  
 Concen: 9.945 ppbv  
 RT: 7.16 min Scan# 1359  
 Delta R.T. -0.48 min  
 Lab File: VL036153.D  
 Acq: 11 Dec 2020 7:21

Tgt Ion: 63 Resp: 845575  
 Ion Ratio Lower Upper  
 63 100  
 41 0.0 61.9 92.9#  
 62 19.2 52.5 78.7#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.04 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

Instrument :

MSVOA\_L

ClientSampleId :

48-1DL

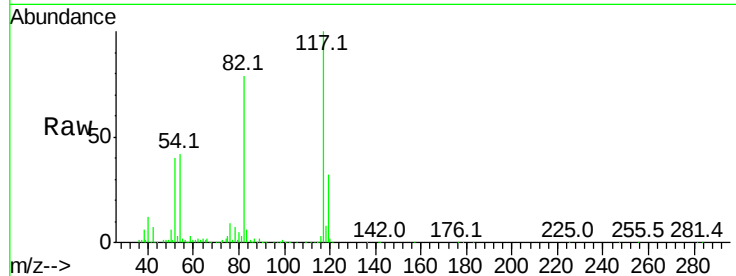
Tgt Ion: 117 Resp: 2299495

Ion Ratio Lower Upper

117 100

82 81.5 0.0 0.0#

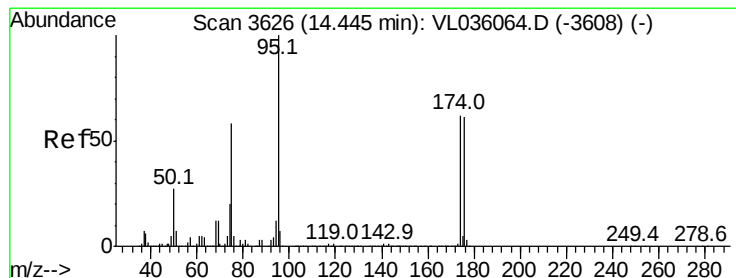
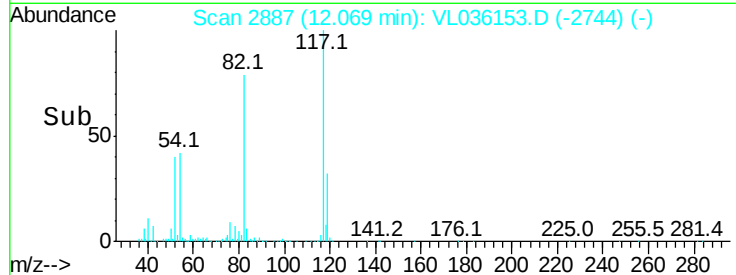
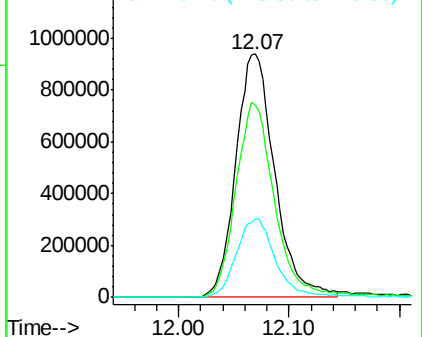
119 33.0 0.0 0.0#



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: 11.012 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.04 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

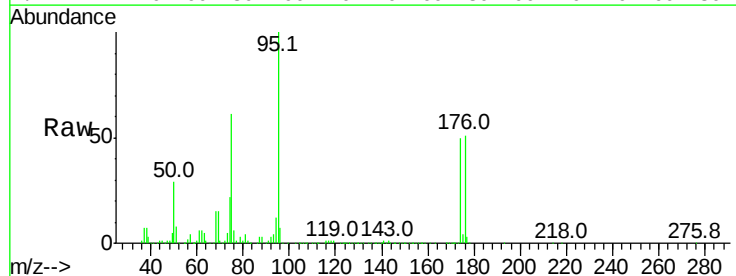
Tgt Ion: 95 Resp: 2010728

Ion Ratio Lower Upper

95 100

174 52.8 50.7 76.1

175 3.8 4.0 6.0#



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

