

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL070820\  
 Data File : VL035183.D  
 Acq On : 8 Jul 2020 13:54  
 Operator : SY/AP  
 Sample : VIBLK  
 Misc : 400ml/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VIBLK

Quant Time: Jul 08 14:27:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL070820AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Wed Jul 08 07:05:23 2020  
 QLast Update : Wed Jul 08 07:05:23 2020  
 Response via : Initial Calibration

| Internal Standards      | R.T. | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65 | 49   | 1110797  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.18 | 114  | 2659321  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 0.00 | 117  | 0        | 0.00  | ppbv  | -12.11   |

System Monitoring Compounds

|                             |        |       |          |          |          |
|-----------------------------|--------|-------|----------|----------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 0.00   | 95    | 0        | 0.00     | ppbv     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | = 0.00%# |

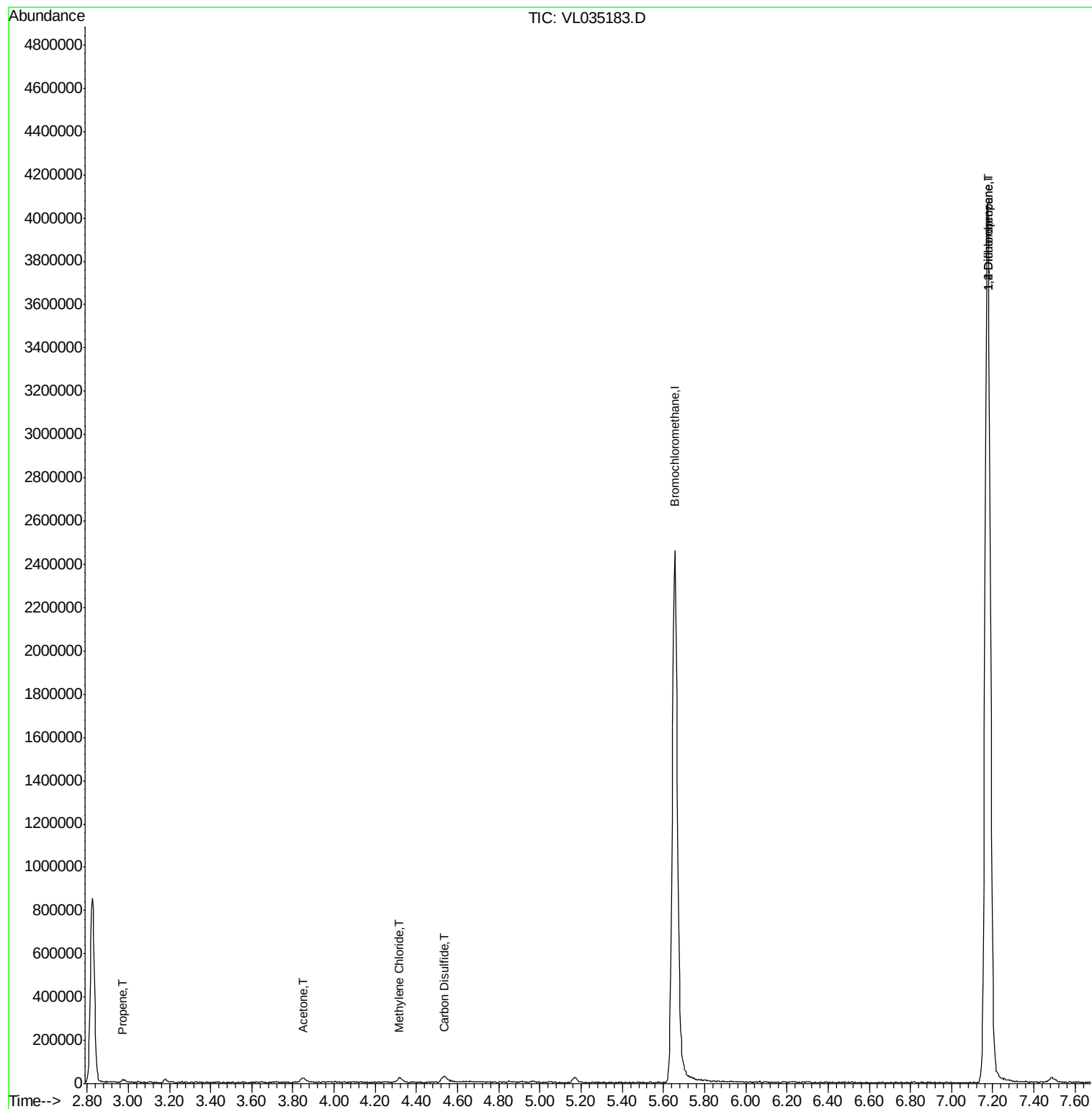
| Target Compounds        | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|-------------------------|------|------|----------|-------|--------|--------|
| 9) Propene              | 2.97 | 41   | 1733     | 0.037 | ppbv # | 16     |
| 15) Acetone             | 3.84 | 43   | 16781    | 0.112 | ppbv # | 39     |
| 20) Methylene Chloride  | 4.32 | 84   | 4999     | 0.076 | ppbv # | 84     |
| 27) Carbon Disulfide    | 4.53 | 76   | 10541    | 0.073 | ppbv # | 1      |
| 39) 1,2-Dichloropropane | 7.17 | 63   | 737758   | 9.639 | ppbv # | 23     |

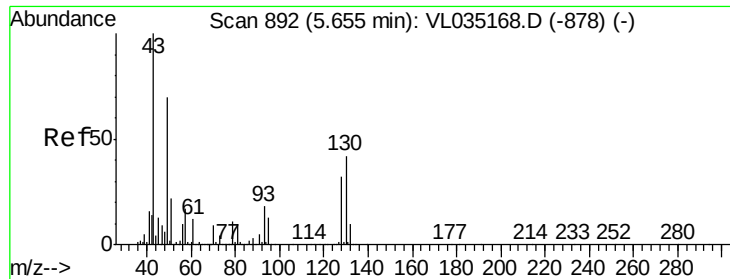
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 08 07:05:23 2020  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035183.D

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Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

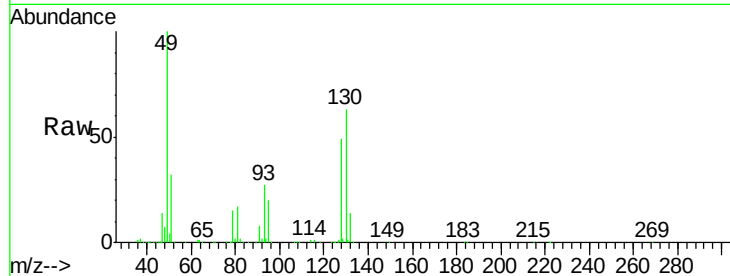
Tgt Ion: 49 Resp: 1110797

Ion Ratio Lower Upper

49 100

128 49.2 23.8 71.4

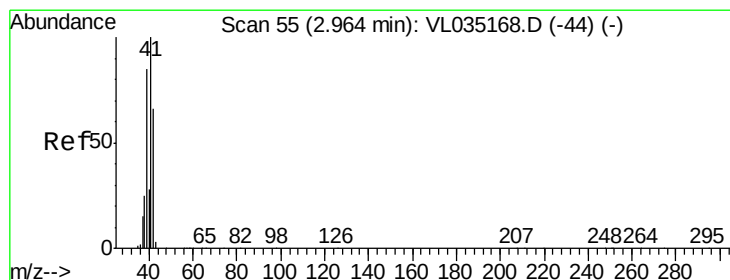
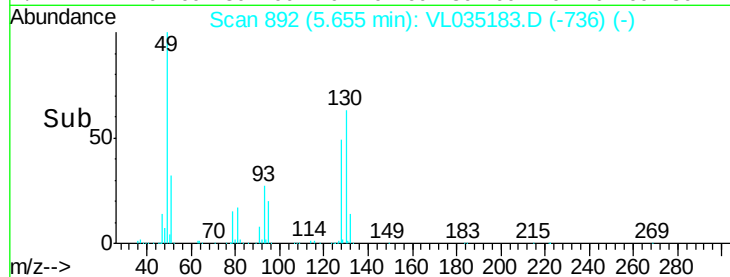
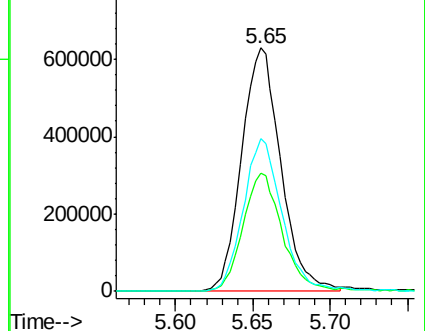
130 62.8 29.9 89.8



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



#9

Propene

Concen: 0.037 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.01 min

Lab File: VL035183.D

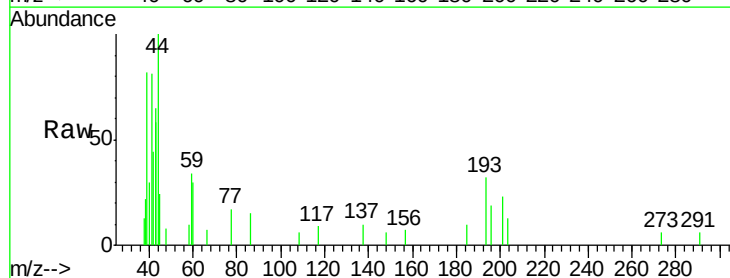
Acq: 8 Jul 2020 13:54

Tgt Ion: 41 Resp: 1733

Ion Ratio Lower Upper

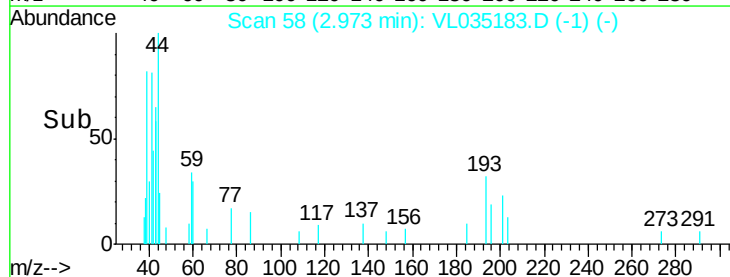
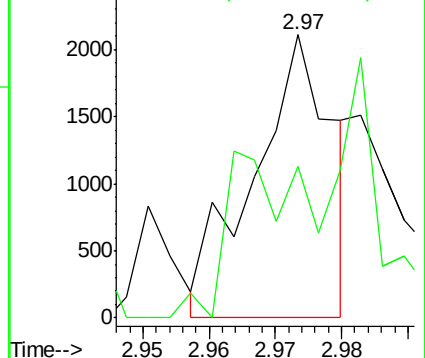
41 100

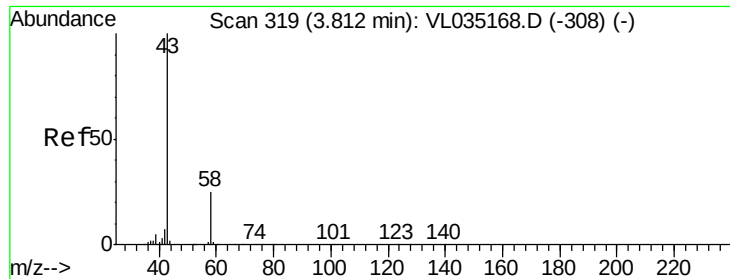
42 0.0 54.6 81.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.112 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.03 min

Lab File: VL035183.D

Acq: 8 Jul 2020 13:54

Instrument :

MSVOA\_L

ClientSampleId :

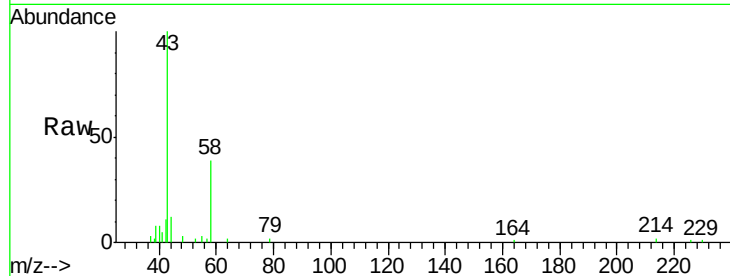
VIBLK

Tgt Ion: 43 Resp: 16781

Ion Ratio Lower Upper

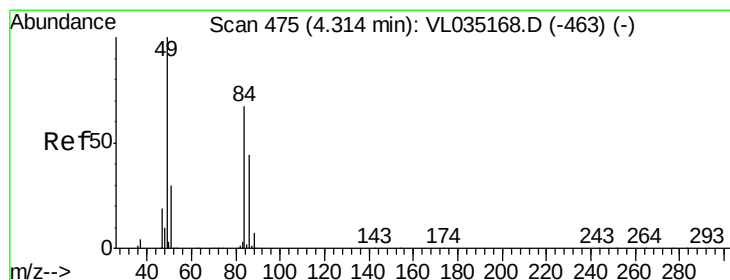
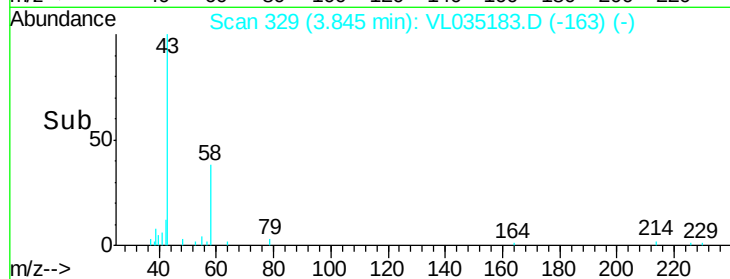
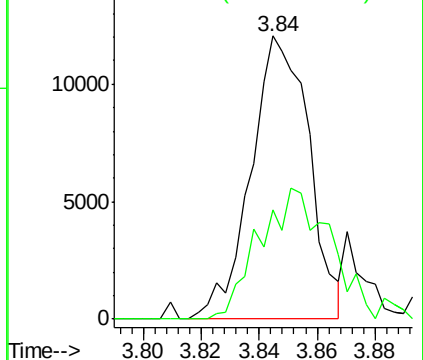
43 100

58 58.0 21.3 31.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.076 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL035183.D

Acq: 8 Jul 2020 13:54

Tgt Ion: 84 Resp: 4999

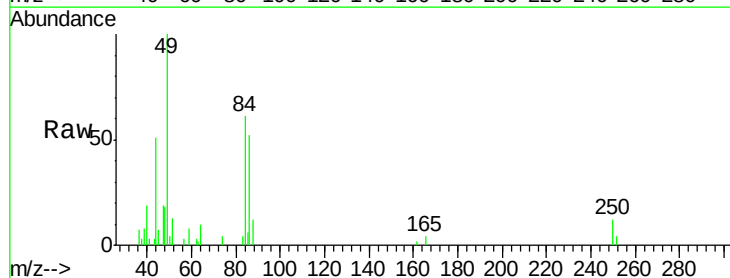
Ion Ratio Lower Upper

84 100

49 154.8 119.4 179.0

51 17.6 36.6 55.0#

86 85.2 52.5 78.7#

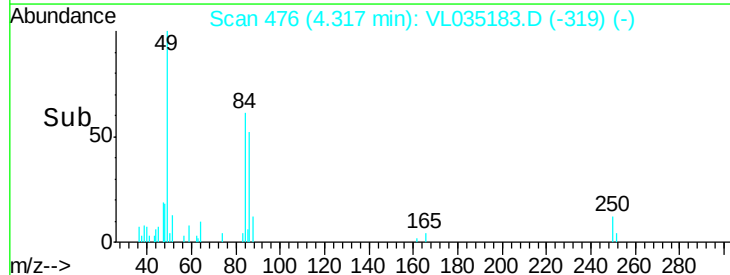
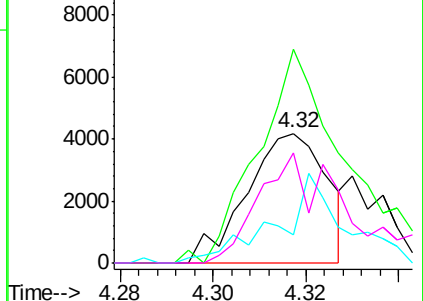


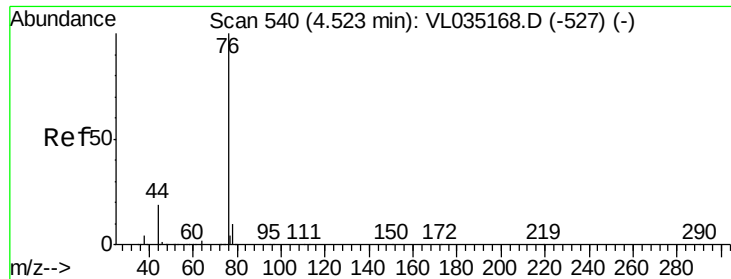
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#27

Carbon Disulfide

Concen: 0.073 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL035183.D

Acq: 8 Jul 2020 13:54

Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

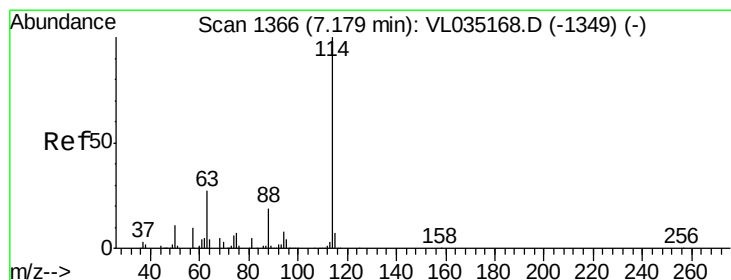
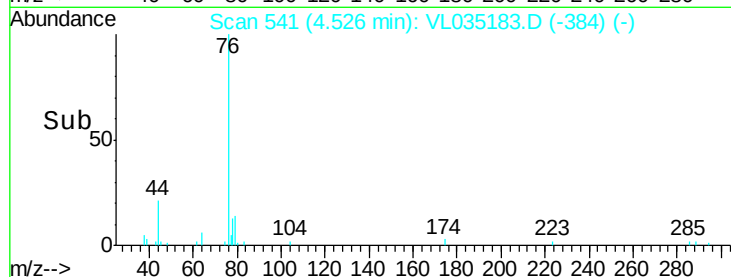
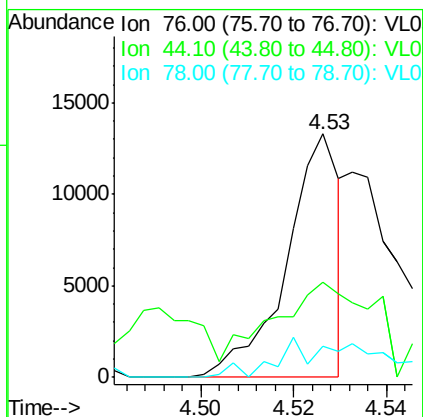
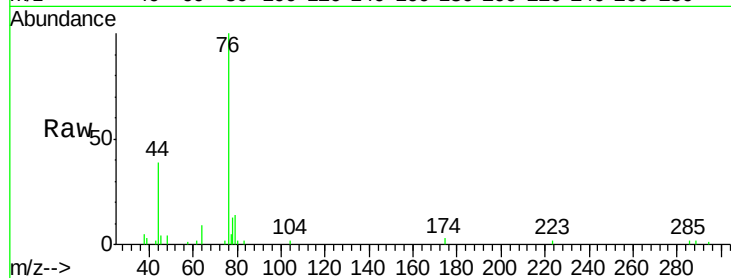
Tgt Ion: 76 Resp: 10541

Ion Ratio Lower Upper

76 100

44 74.3 14.9 22.3#

78 34.3 7.5 11.3#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL035183.D

Acq: 8 Jul 2020 13:54

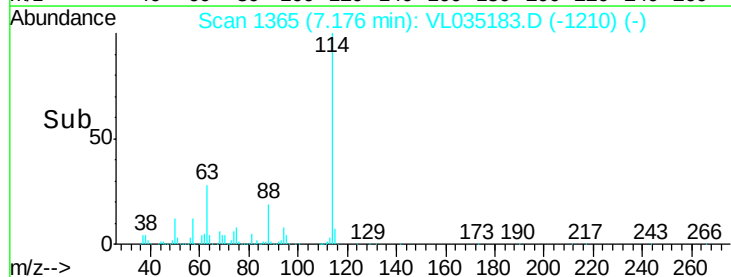
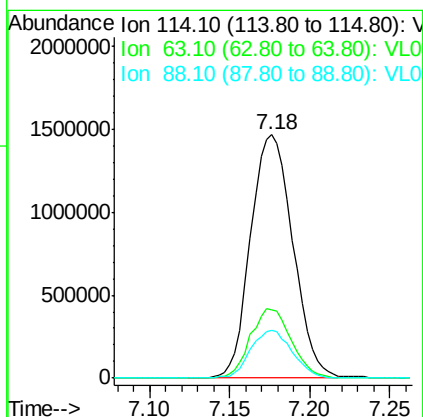
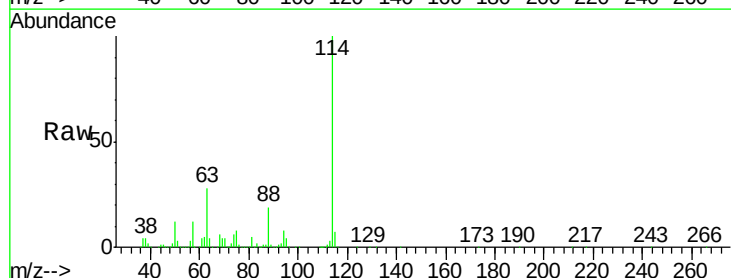
Tgt Ion: 114 Resp: 2659321

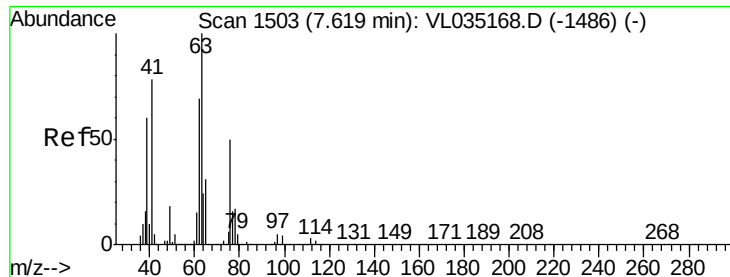
Ion Ratio Lower Upper

114 100

63 28.0 22.0 33.0

88 19.6 15.4 23.0





#39

1,2-Dichloropropane

Concen: 9.639 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL035183.D

Acq: 8 Jul 2020 13:54

Instrument :

MSVOA\_L

ClientSampleId :

VIBLK

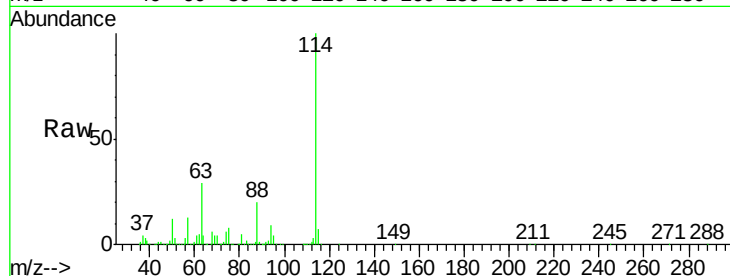
Tgt Ion: 63 Resp: 737758

Ion Ratio Lower Upper

63 100

41 0.0 62.6 94.0#

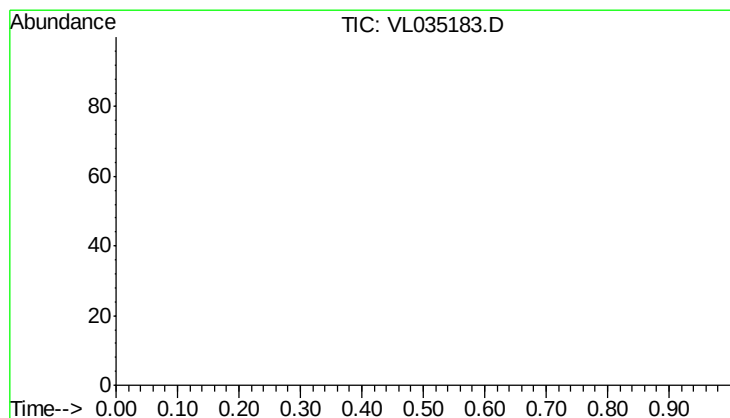
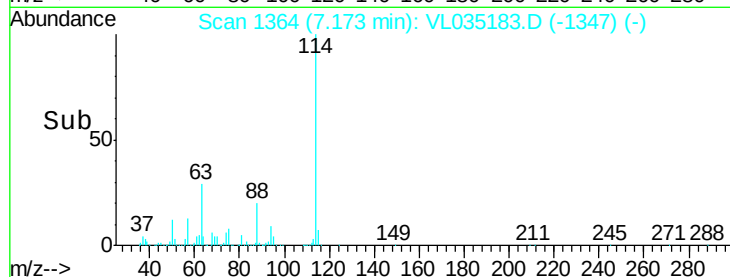
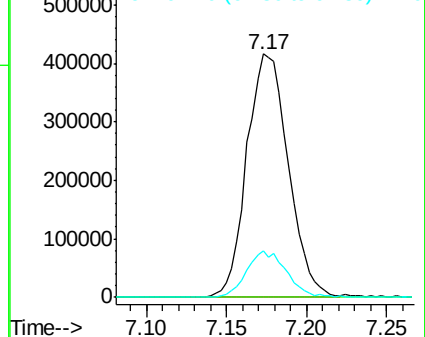
62 18.9 55.0 82.6#



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: 0.000 ppbv

Expected RT: 12.11 min

Lab File: VL035183.D

Acq: 8 Jul 2020 13:54

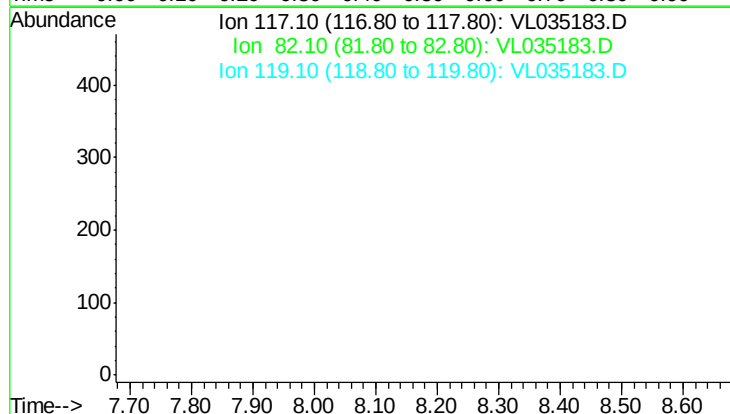
Tgt Ion: 117

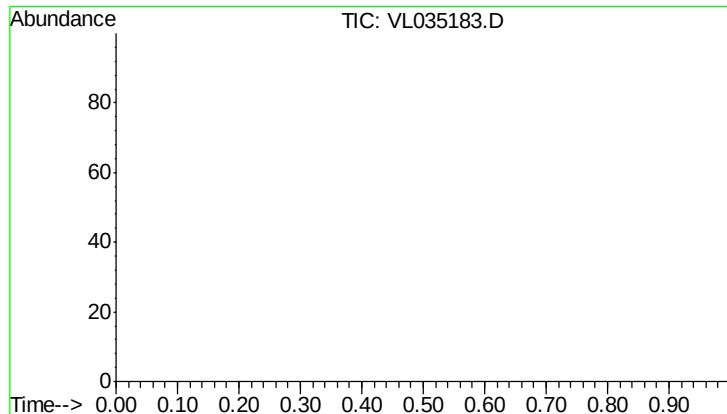
Sig Exp Ratio

117 100

82 65.4

119 31.1





#68  
1-Bromo-4-Fluorobenzene  
Concen: 0.000 ppbv  
Expected RT: 14.45 min  
Lab File: VL035183.D  
Acq: 8 Jul 2020 13:54

Instrument :  
MSVOA\_L  
ClientSampleId :  
VIBLK

| Tgt Ion: | 95        |
|----------|-----------|
| Sig      | Exp Ratio |
| 95       | 100       |
| 174      | 65.2      |
| 175      | 5.0       |

