

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035185.D
 Acq On : 8 Jul 2020 15:10
 Operator : SY/AP
 Sample : L3190-02DL 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-02DL

Quant Time: Jul 09 11:21:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.66	49	1121257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2685326	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2485218	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2065169	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

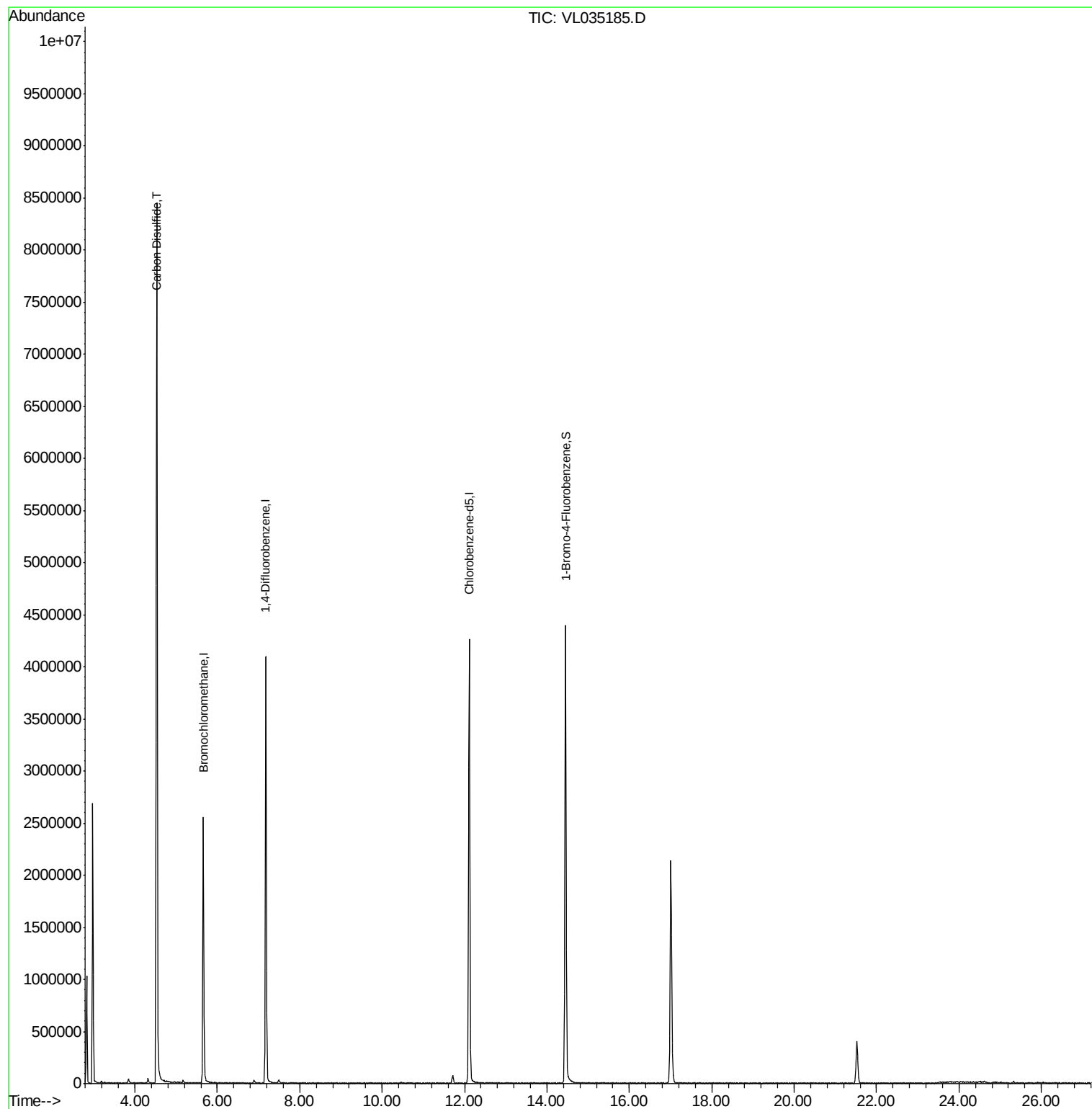
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) Carbon Disulfide	4.53	76	10141123	69.919	ppbv	# 81

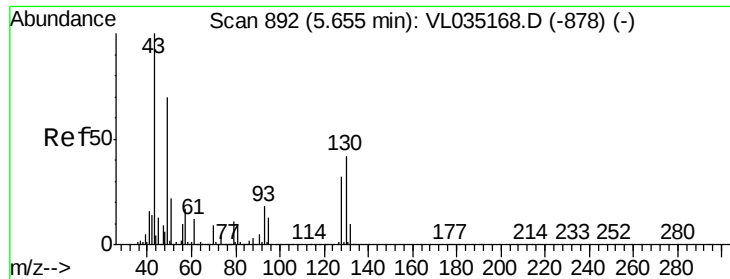
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL035185.D

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CARBON-02DL

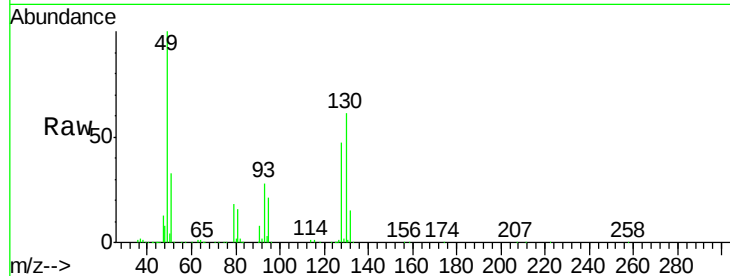
Tot Ion: 49 Resp: 1121257

Ion Ratio Lower Upper

49 100

128 48.1 23.8 71.4

130 61.8 29.9 89.8



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

5.66

800000

600000

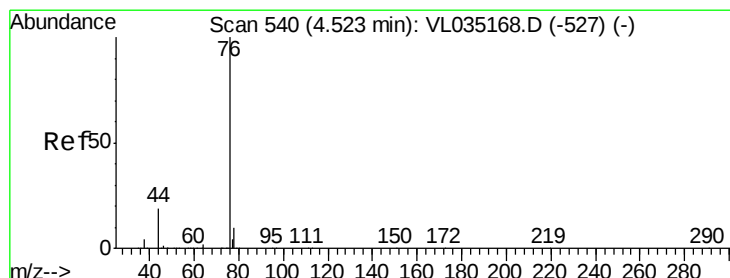
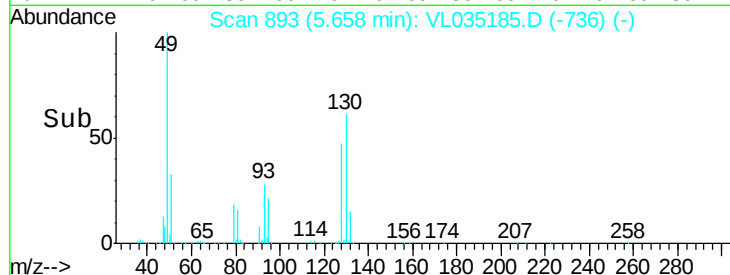
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#27

Carbon Disulfide

Concen: 69.919 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL035185.D

Acq: 8 Jul 2020 15:10

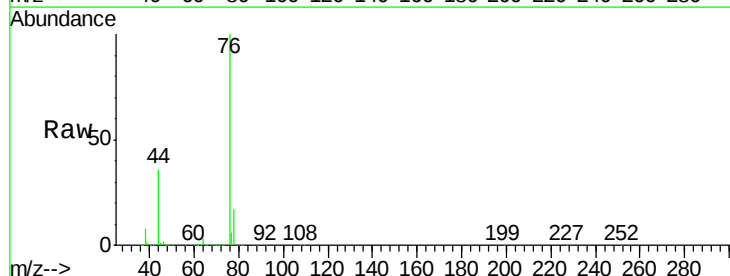
Tgt Ion: 76 Resp: 10141123

Ion Ratio Lower Upper

76 100

44 28.3 14.9 22.3#

78 14.0 7.5 11.3#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

4.53

6000000

5000000

4000000

3000000

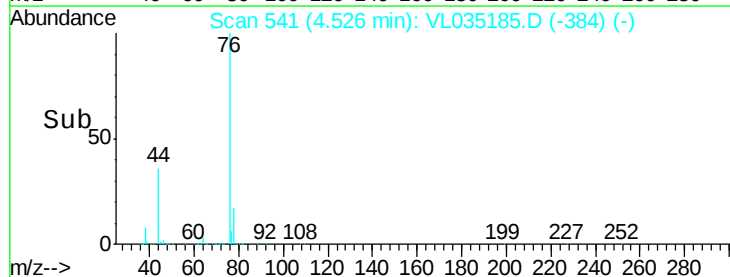
2000000

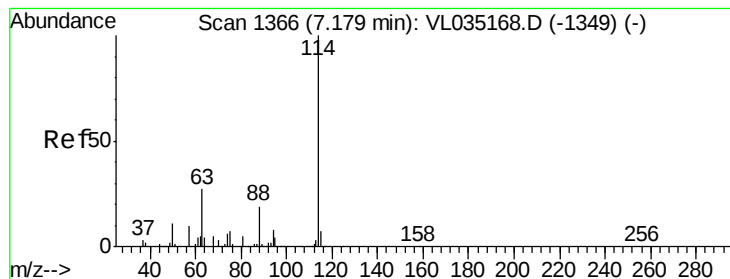
1000000

0

4.45 4.50 4.55 4.60

Time-->





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VL035185.D

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Instrument :

MSVOA_L

ClientSampleId :

CARBON-02DL

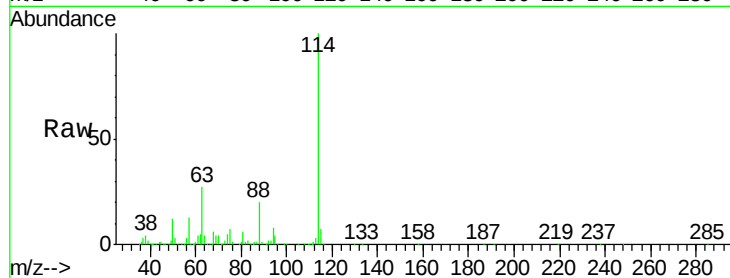
Tot Ion:114 Resp: 2685326

Ion Ratio Lower Upper

114 100

63 27.5 22.0 33.0

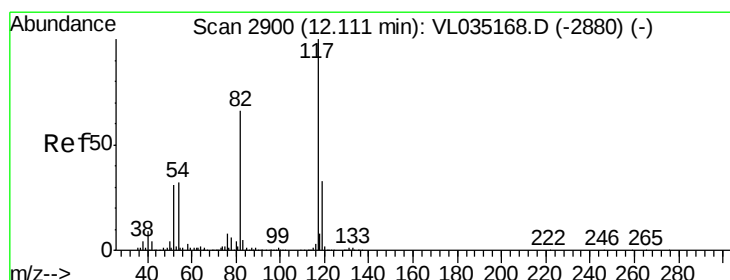
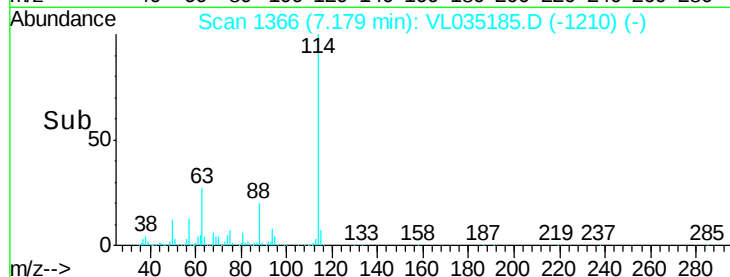
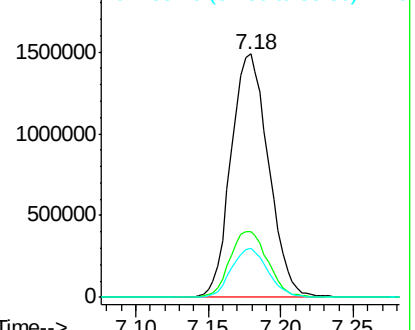
88 19.6 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL035185.D

Acq: 8 Jul 2020 15:10

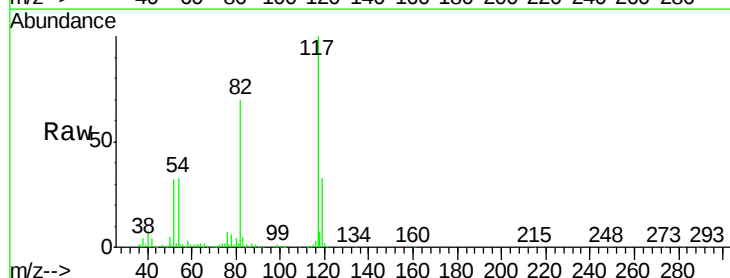
Tgt Ion:117 Resp: 2485218

Ion Ratio Lower Upper

117 100

82 70.3 52.3 78.5

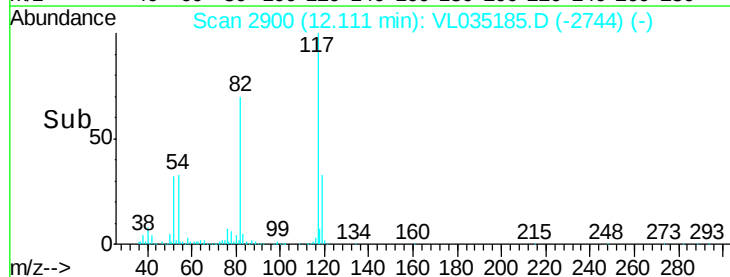
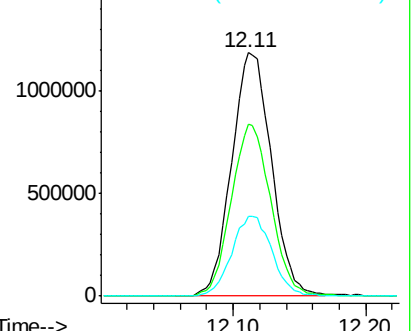
119 33.2 24.9 37.3

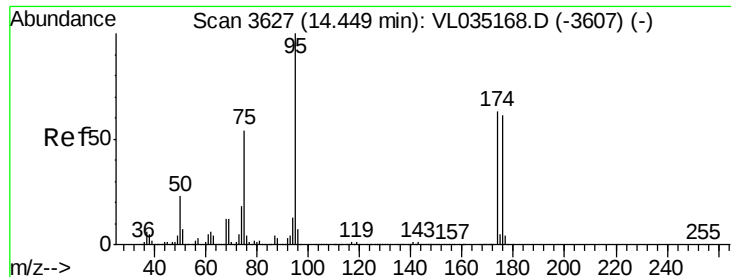


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

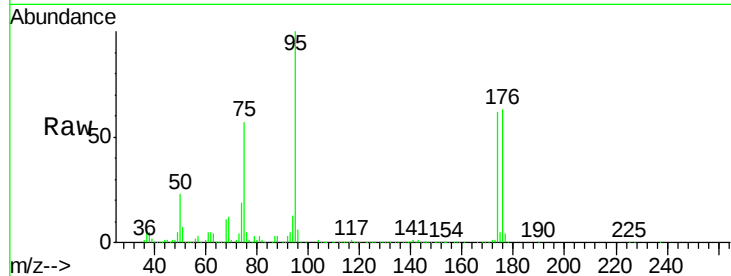




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.229 ppbv
 RT: 14.45 min Scan# 3628
 Delta R.T. 0.00 min
 Lab File: VL035185.D
 Acq: 8 Jul 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-02DL

Tot Ion: 95 Resp: 2065169
 Ion Ratio Lower Upper
 95 100
 174 64.8 52.2 78.2
 175 4.8 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

