

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
Data File : VL035163.D
Acq On : 7 Jul 2020 2:07
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 07 10:51:50 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	871114	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2137124	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2016271	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1735008	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

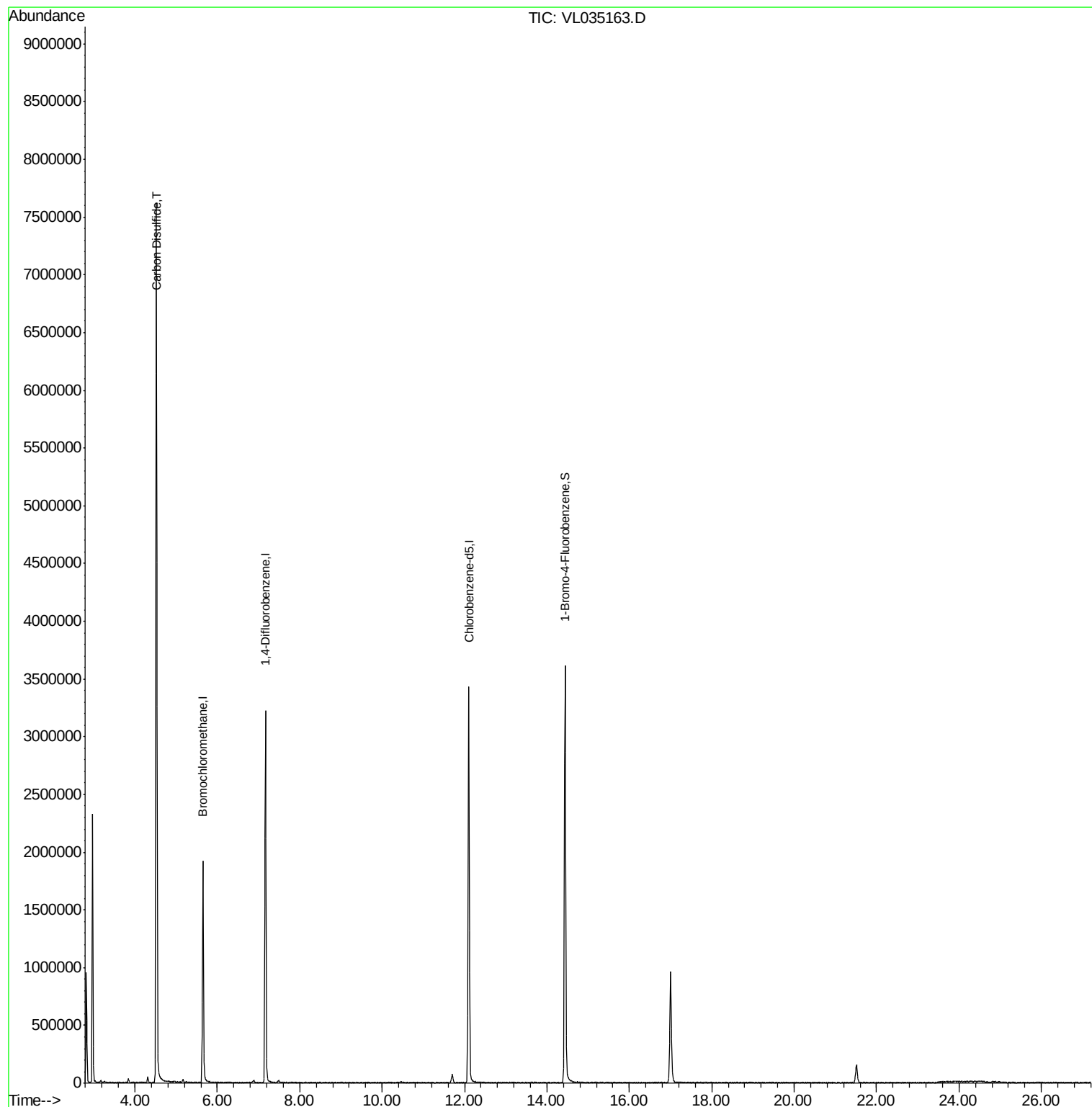
Target Compounds					Ovalue
27) Carbon Disulfide	4.52	76	9205792	103.805	ppbv # 86

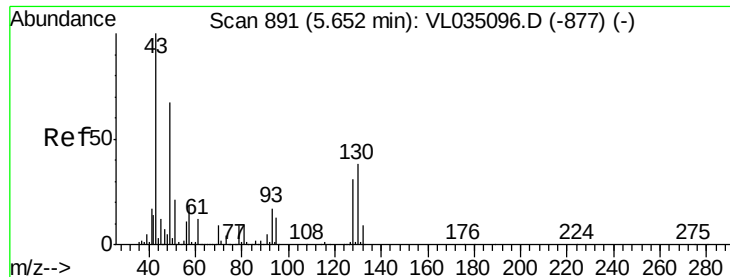
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

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ClientSampleId :

CARBON-02DL

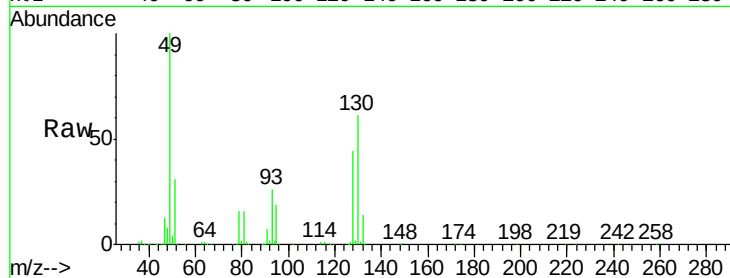
Tot Ion: 49 Resp: 871114

Ion Ratio Lower Upper

49 100

128 48.7 22.9 68.5

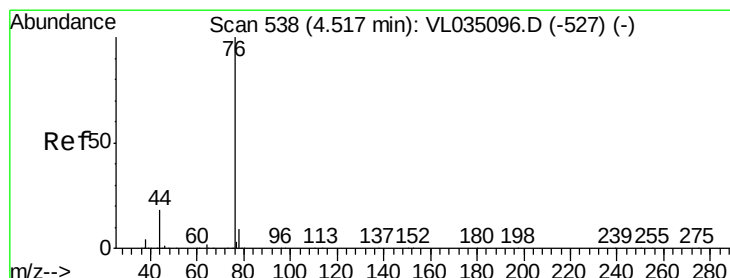
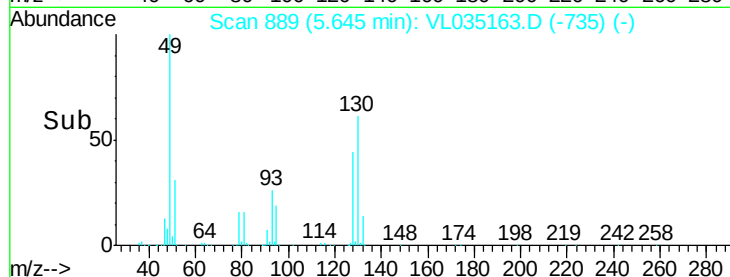
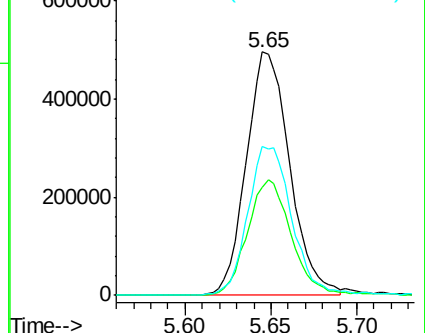
130 62.7 29.0 87.0



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



#27

Carbon Disulfide

Concen: 103.805 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035163.D

Acq: 7 Jul 2020 2:07

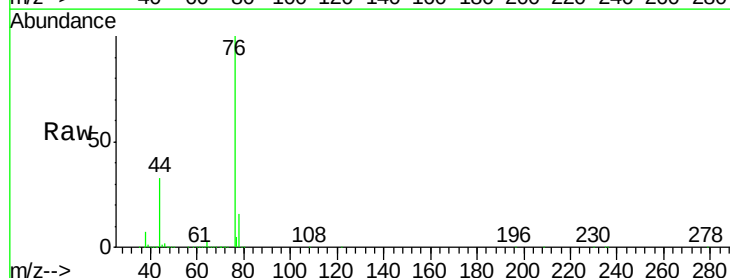
Tgt Ion: 76 Resp: 9205792

Ion Ratio Lower Upper

76 100

44 26.7 15.8 23.8#

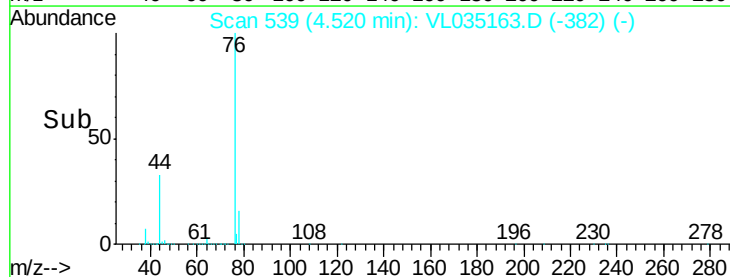
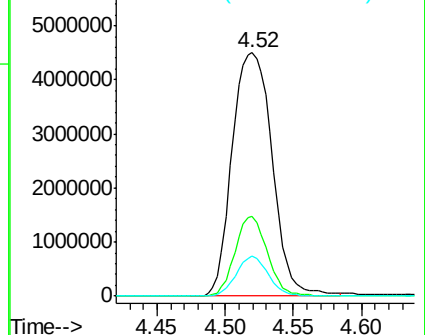
78 13.2 7.6 11.4#

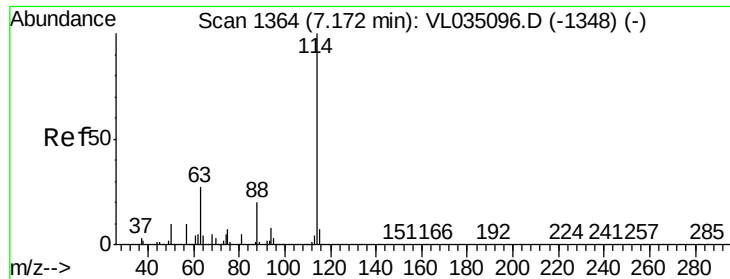


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

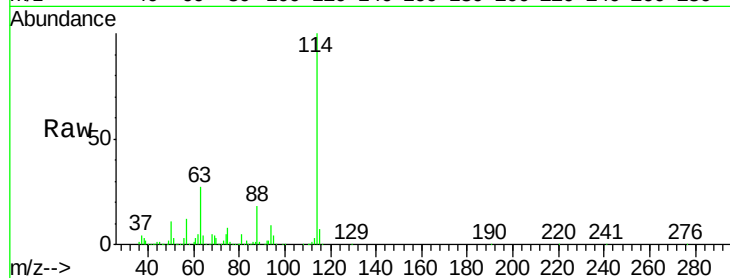




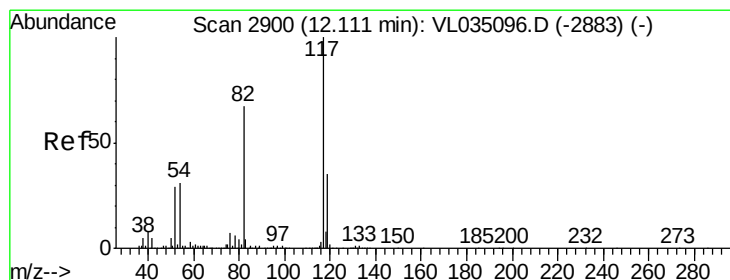
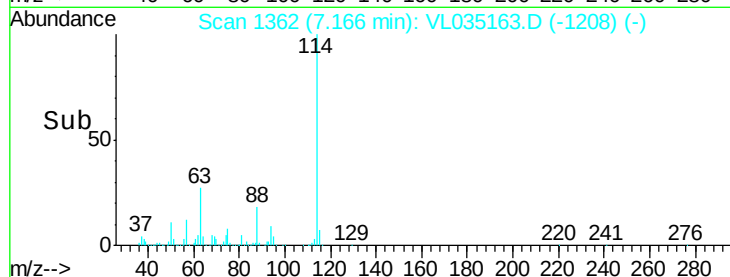
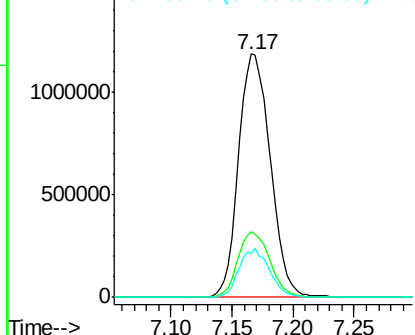
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VL035163.D
 Acq: 7 Jul 2020 2:07

Instrument :
 MSVOA_L
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 CARBON-02DL

Tot Ion:114 Resp: 2137124
 Ion Ratio Lower Upper
 114 100
 63 27.4 21.9 32.9
 88 19.3 15.6 23.4

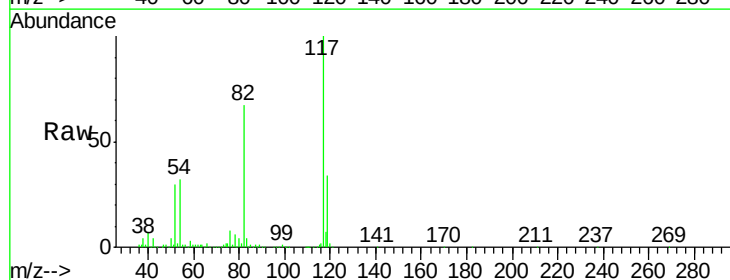


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

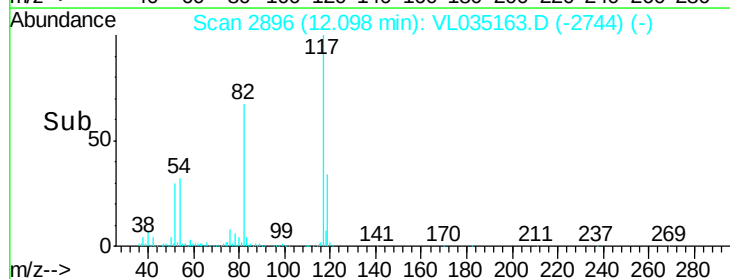
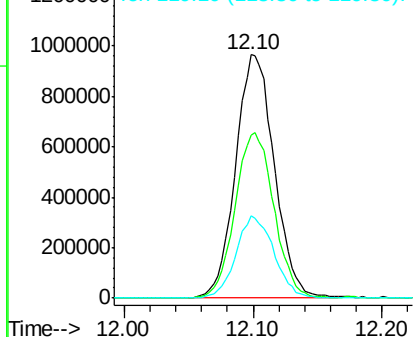


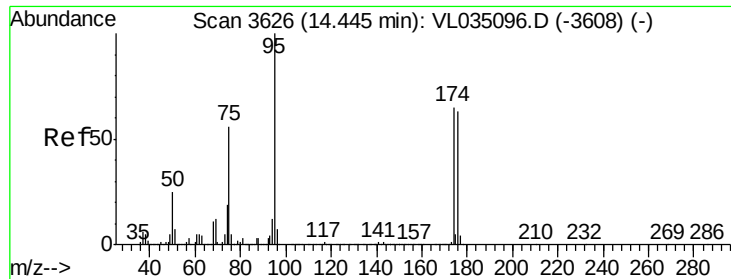
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2896
 Delta R.T. -0.01 min
 Lab File: VL035163.D
 Acq: 7 Jul 2020 2:07

Tgt Ion:117 Resp: 2016271
 Ion Ratio Lower Upper
 117 100
 82 68.6 50.4 75.6
 119 33.5 25.4 38.0



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: 10.359 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

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Acq: 7 Jul 2020 2:07

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ClientSampleId :

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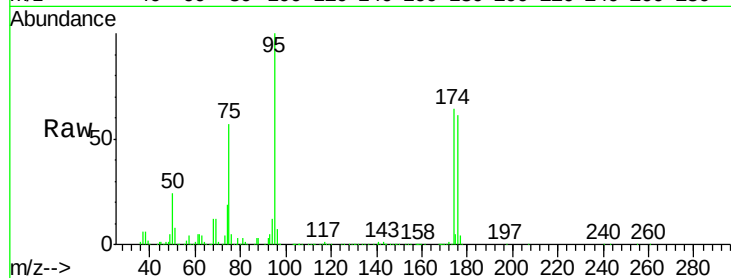
Tot Ion: 95 Resp: 1735008

Ion Ratio Lower Upper

95 100

174 64.4 52.2 78.2

175 4.9 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

