

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035163.D
 Acq On : 7 Jul 2020 2:07
 Operator : SY/AP
 Sample : L3190-02 1200X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CARBON-02DL

Quant Time: Jul 07 05:07:02 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%

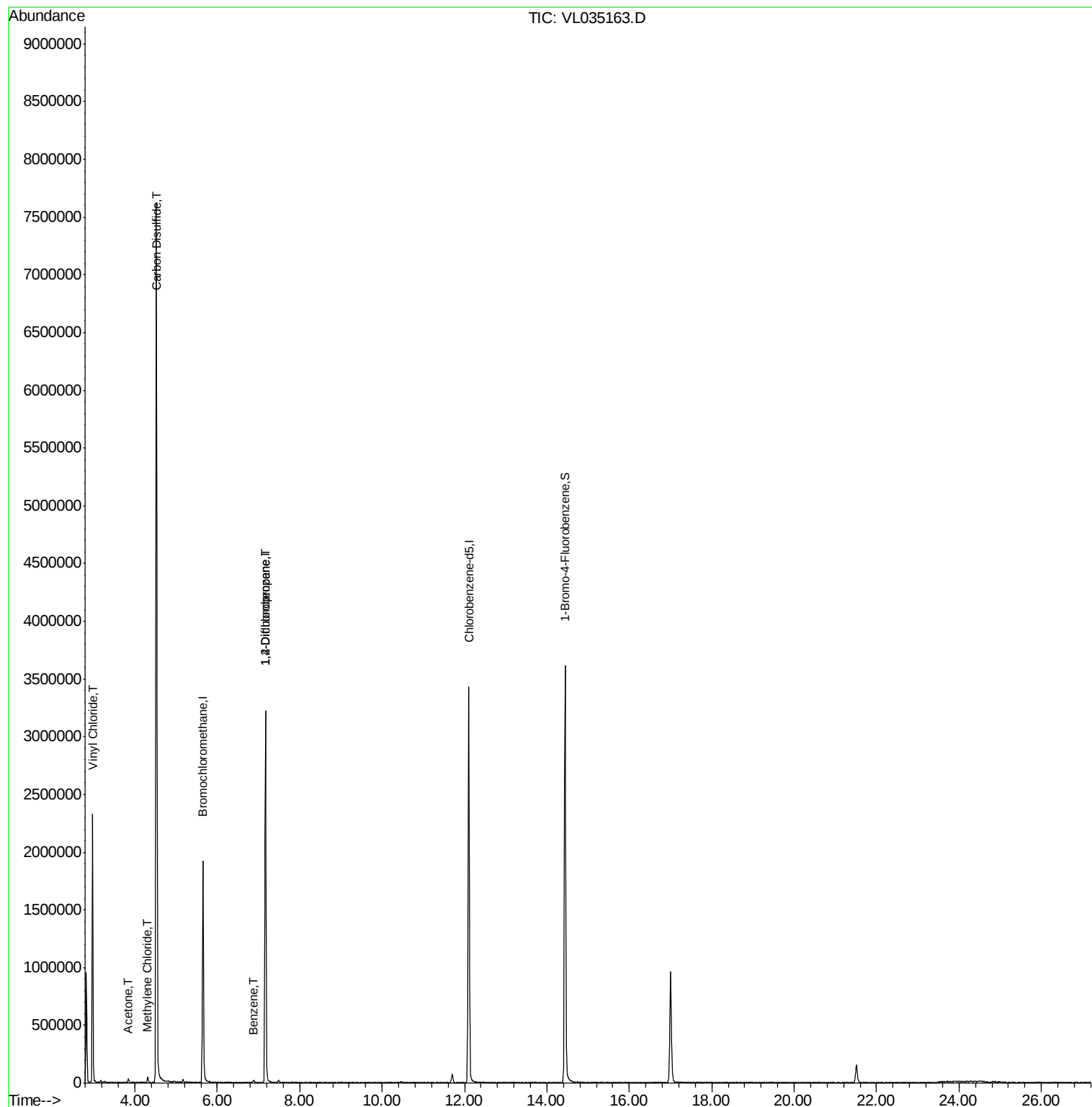
Target Compounds					Ovalue	
5) Vinyl Chloride	2.97	62	138595	2.702	ppbv	# 46
15) Acetone	3.84	43	31590	0.300	ppbv	# 74
20) Methylene Chloride	4.31	84	10618	0.249	ppbv	# 88
27) Carbon Disulfide	4.52	76	9205792	103.805	ppbv	# 86
36) Benzene	6.88	78	6044	0.037	ppbv	# 72
39) 1,2-Dichloropropane	7.17	63	580538	8.969	ppbv	# 25

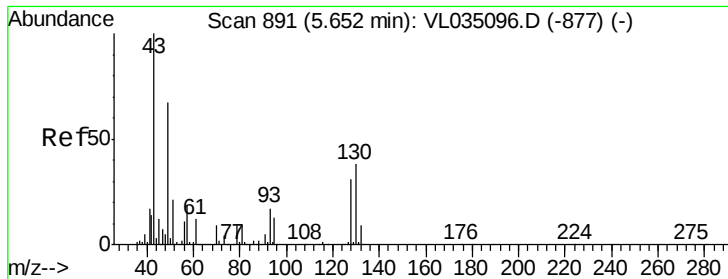
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL035163.D

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Instrument :

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ClientSampleId :

CARBON-02DL

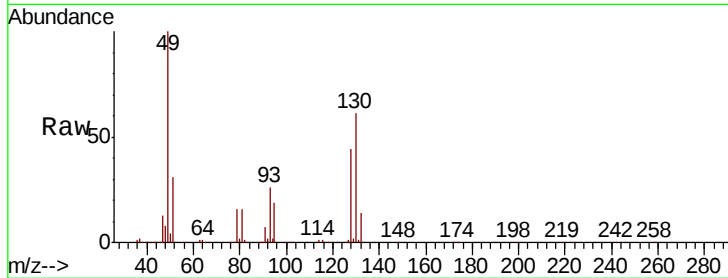
Tot Ion: 49 Resp: 871114

Ion Ratio Lower Upper

49 100

128 48.7 22.9 68.5

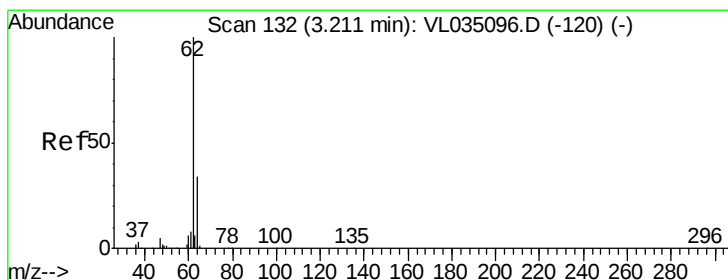
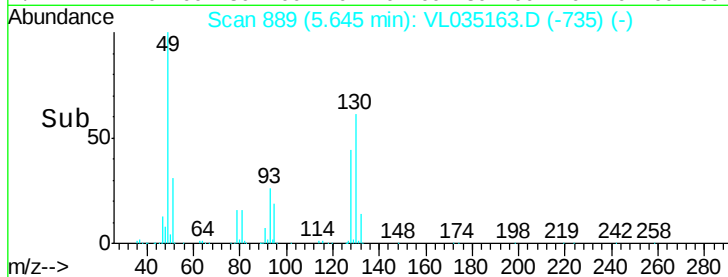
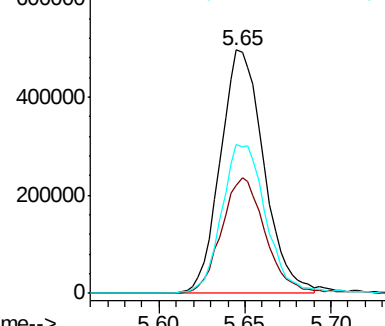
130 62.7 29.0 87.0



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



#5

Vinyl Chloride

Concen: 2.702 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.24 min

Lab File: VL035163.D

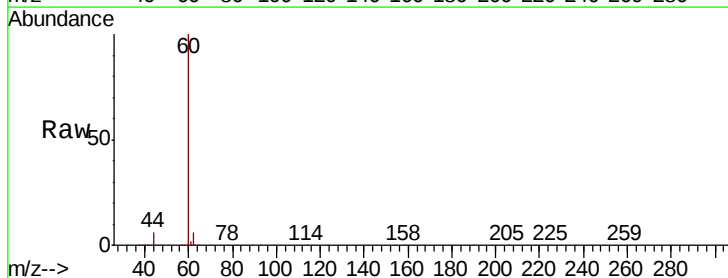
Acq: 7 Jul 2020 2:07

Tgt Ion: 62 Resp: 138595

Ion Ratio Lower Upper

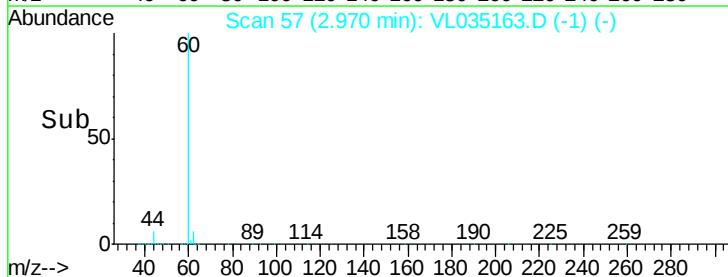
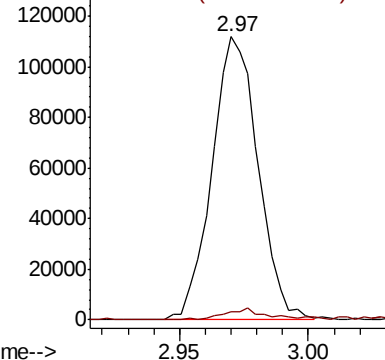
62 100

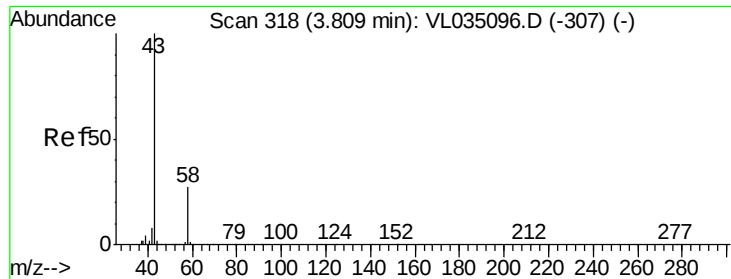
64 2.7 27.0 40.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#15

Acetone

Concen: 0.300 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.03 min

Lab File: VL035163.D

Acq: 7 Jul 2020 2:07

Instrument :

MSVOA_L

ClientSampleId :

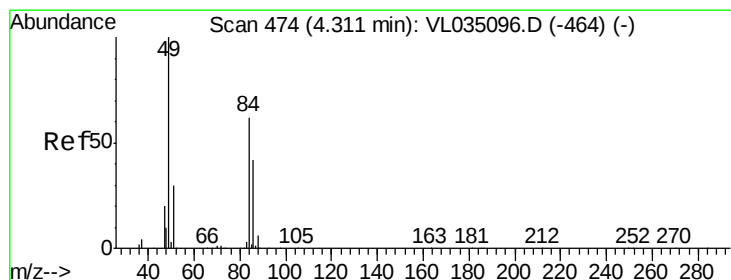
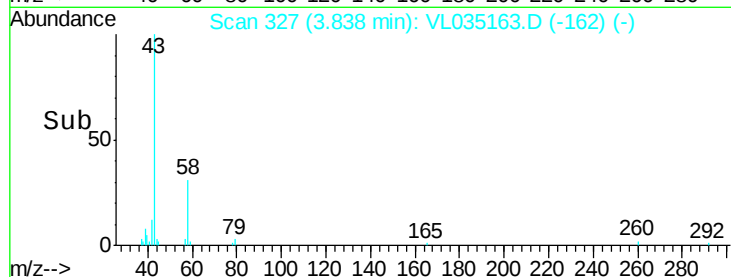
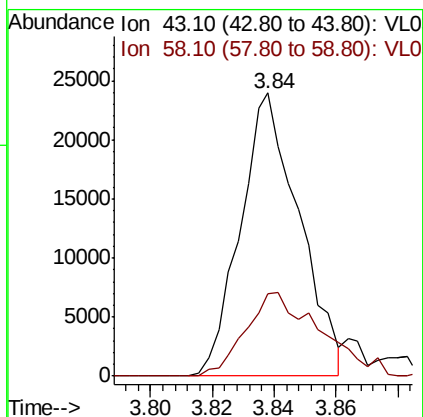
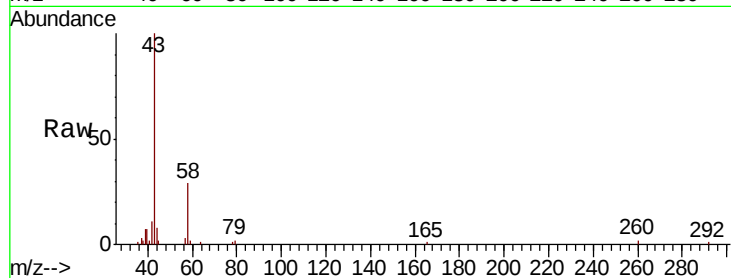
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Tot Ion: 43 Resp: 31590

Ion Ratio Lower Upper

43 100

58 40.7 21.8 32.6#



#20

Methylene Chloride

Concen: 0.249 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035163.D

Acq: 7 Jul 2020 2:07

Tgt Ion: 84 Resp: 10618

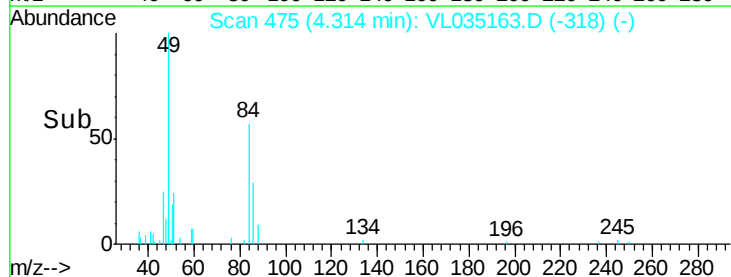
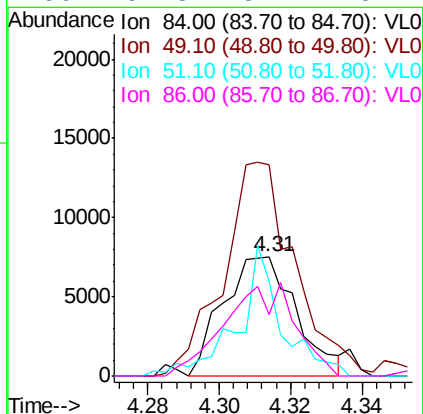
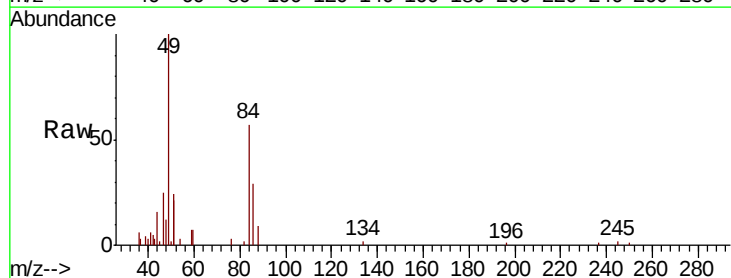
Ion Ratio Lower Upper

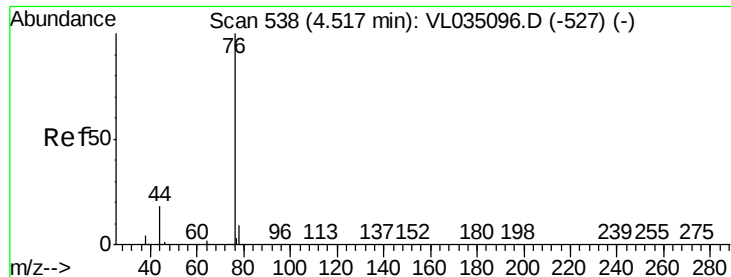
84 100

49 157.5 128.8 193.2

51 71.7 38.7 58.1#

86 51.3 54.1 81.1#





#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

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02DL

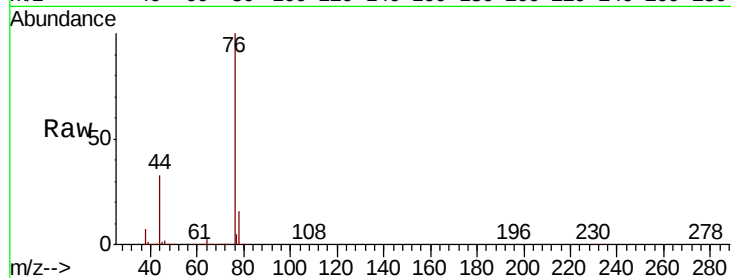
Tot Ion: 76 Resp: 9205792

Ion Ratio Lower Upper

76 100

44 26.7 15.8 23.8#

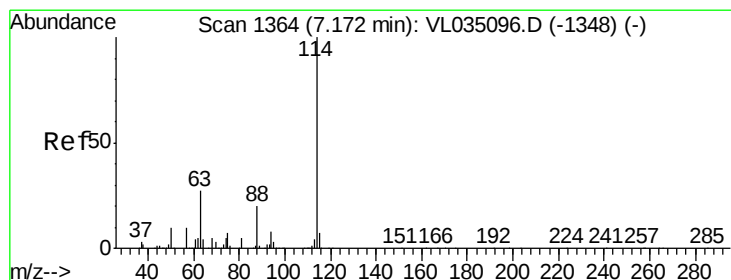
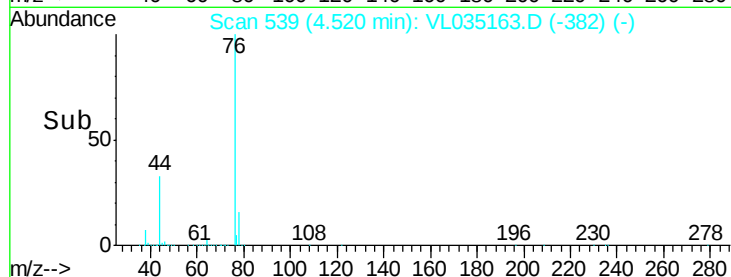
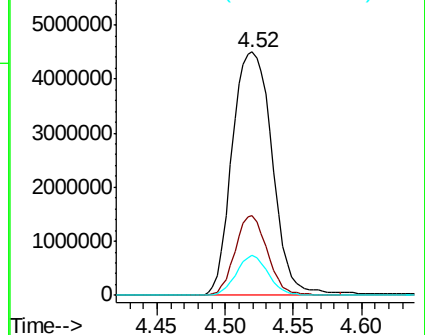
78 13.2 7.6 11.4#



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

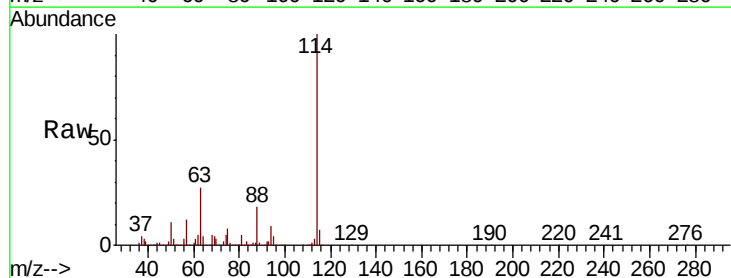
Tgt Ion: 114 Resp: 2137124

Ion Ratio Lower Upper

114 100

63 27.4 21.9 32.9

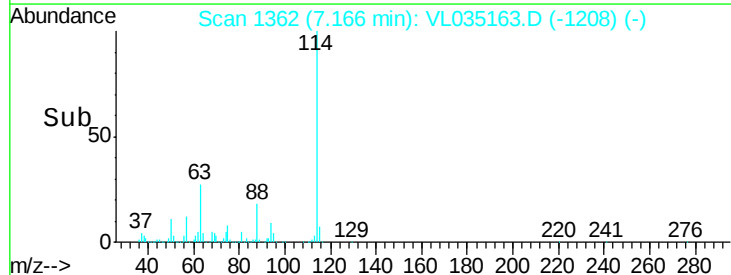
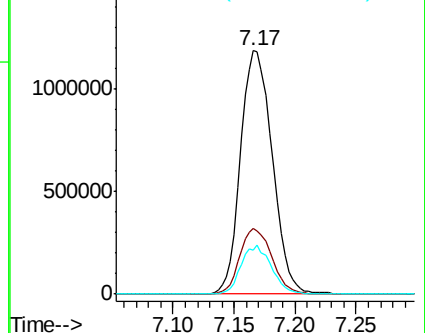
88 19.3 15.6 23.4

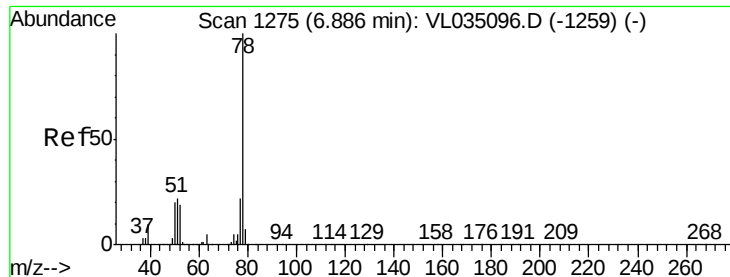


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#36

Benzene

Concen: 0.037 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL035163.D

Acq: 7 Jul 2020 2:07

Instrument :

MSVOA_L

ClientSampleId :

CARBON-02DL

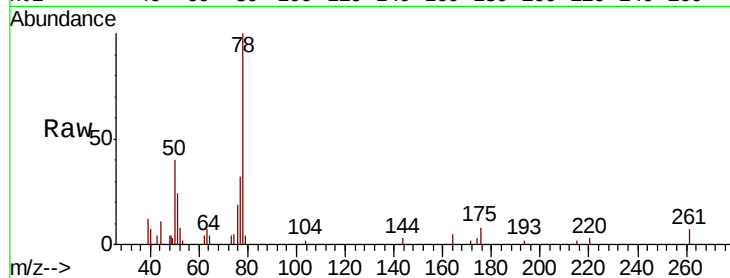
Tot Ion: 78 Resp: 6044

Ion Ratio Lower Upper

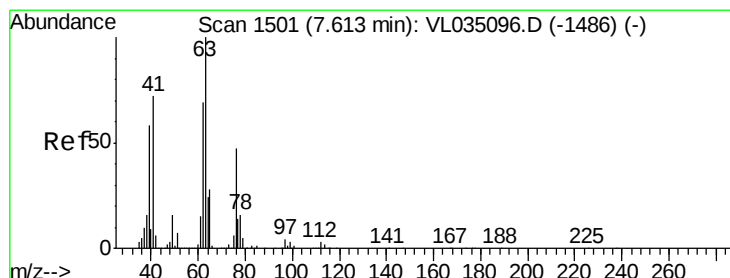
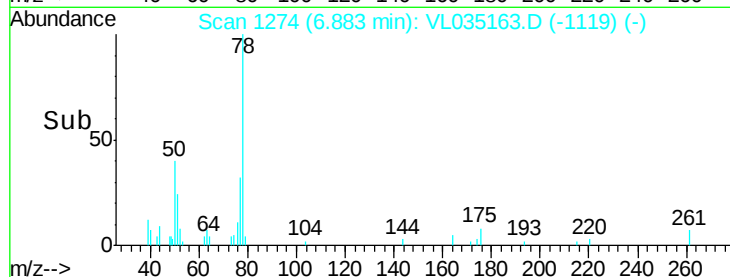
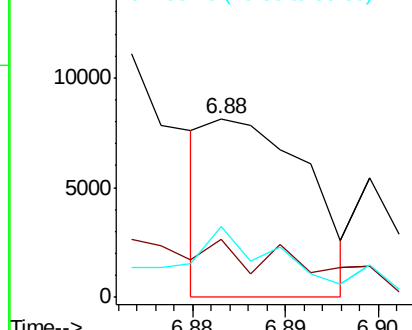
78 100

77 23.0 17.8 26.6

50 46.8 16.2 24.2#



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 8.969 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.45 min

Lab File: VL035163.D

Acq: 7 Jul 2020 2:07

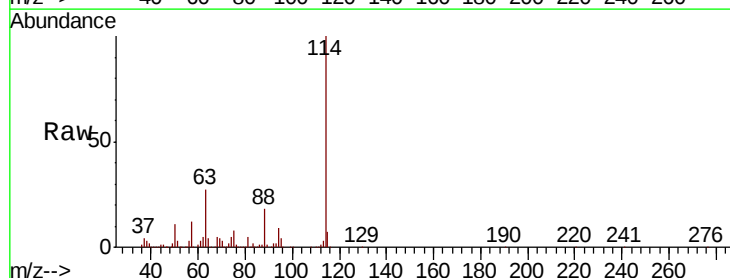
Tgt Ion: 63 Resp: 580538

Ion Ratio Lower Upper

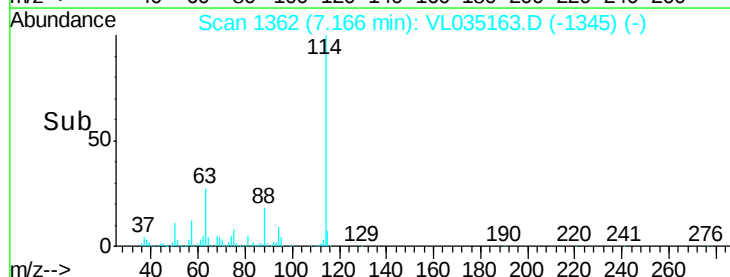
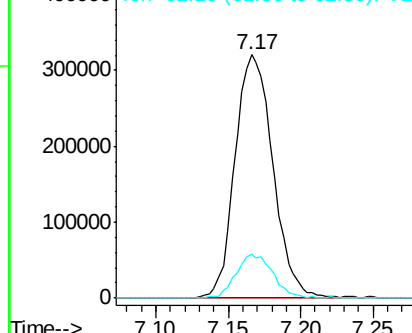
63 100

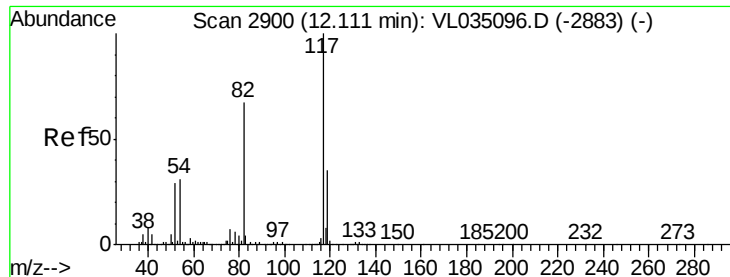
41 0.2 58.0 87.0#

62 17.9 55.4 83.0#



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

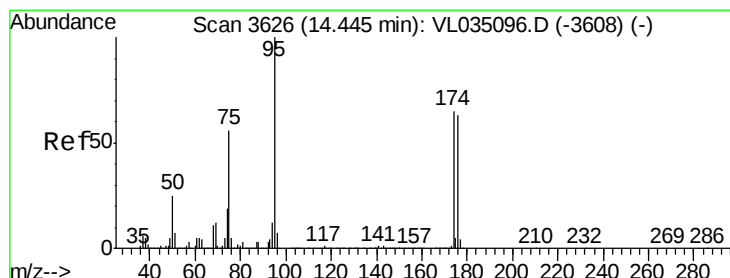
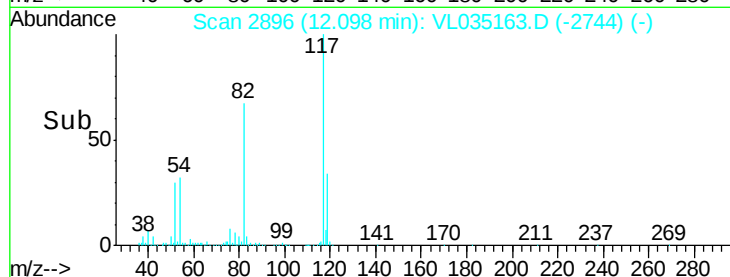
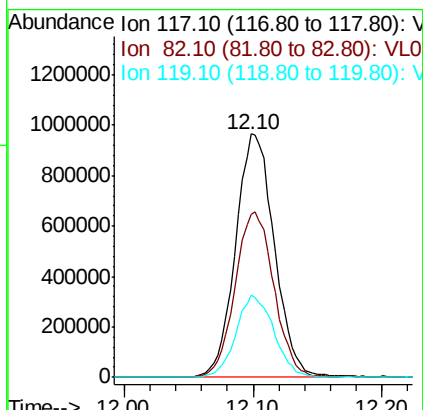
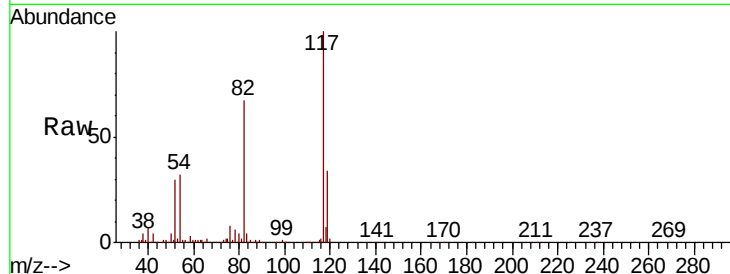




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL035163.D
Acq: 7 Jul 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
CARBON-02DL

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.359 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL035163.D
Acq: 7 Jul 2020 2:07

Tgt Ion: 95 Resp: 1735008
Ion Ratio Lower Upper
95 100
174 64.4 52.2 78.2
175 4.9 4.0 6.0

