

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035203.D
 Acq On : 16 Jul 2020 21:03
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jul 17 04:10:48 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	5.63	49	911243	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2168992	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2038160	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1680119	10.15	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

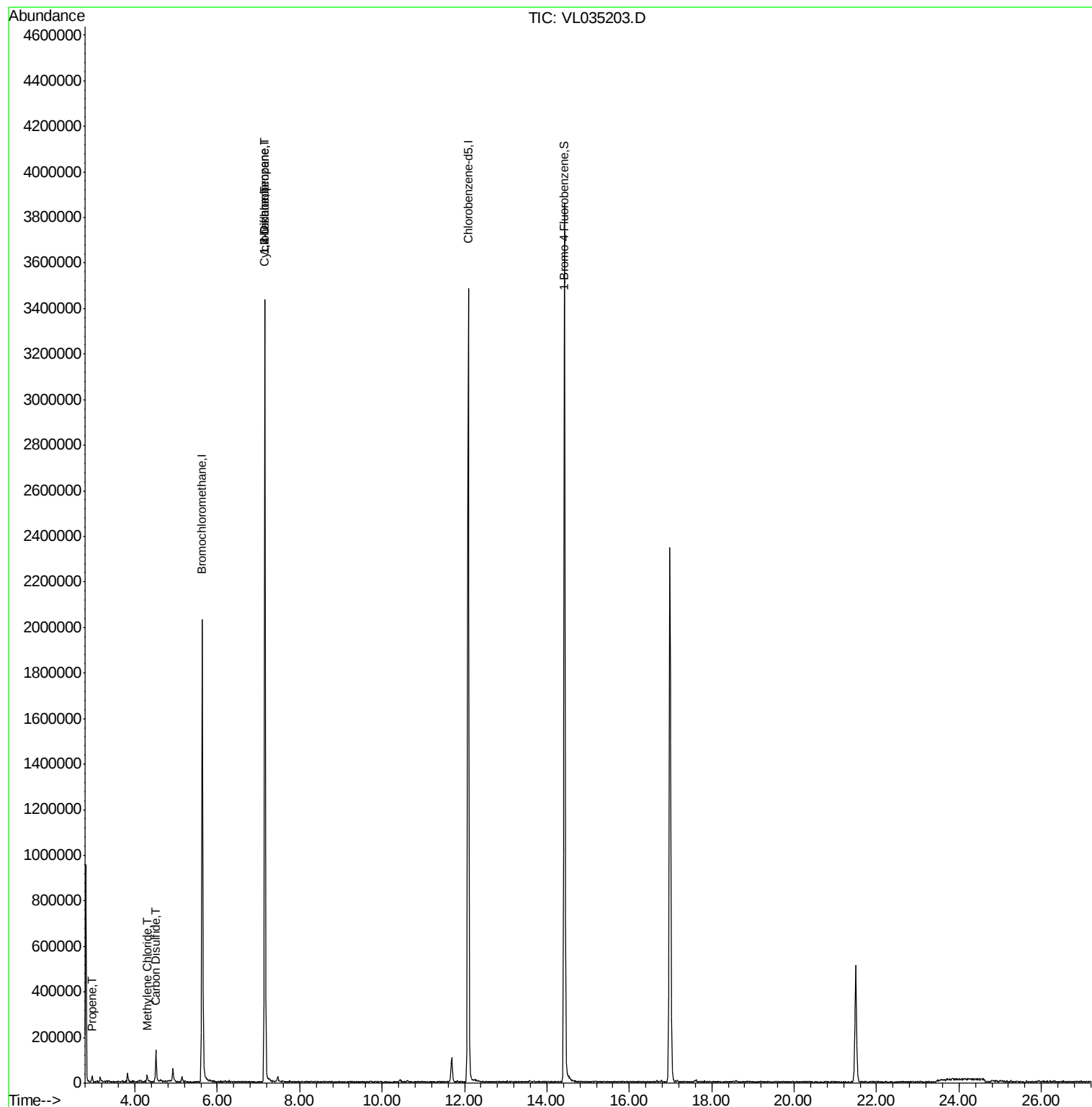
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	2164	0.057	ppbv #	16
20) Methylene Chloride	4.30	84	7660	0.143	ppbv #	82
27) Carbon Disulfide	4.51	76	159040	1.349	ppbv	96
30) Cyclohexane	7.14	84	8225	0.132	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	589046	9.435	ppbv #	23

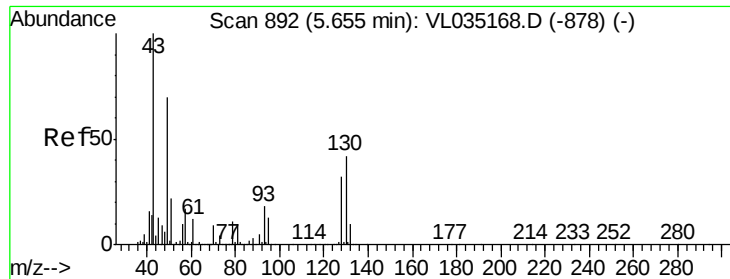
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.02 min

Lab File: VL035203.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

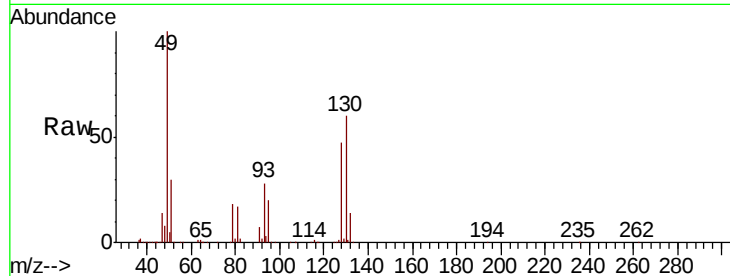
Tot Ion: 49 Resp: 911243

Ion Ratio Lower Upper

49 100

128 47.7 23.8 71.4

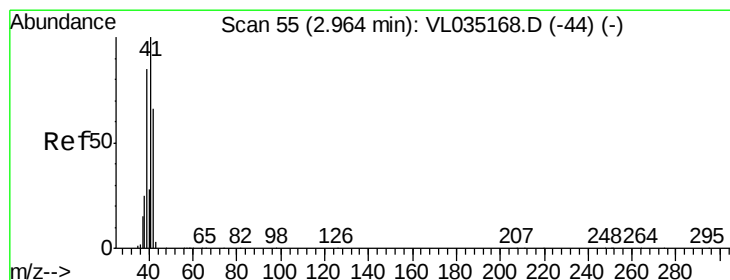
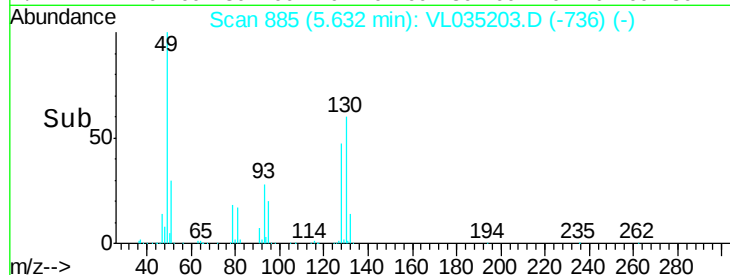
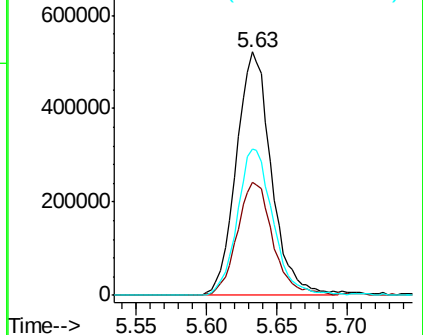
130 61.5 29.9 89.8



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: 0.057 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.01 min

Lab File: VL035203.D

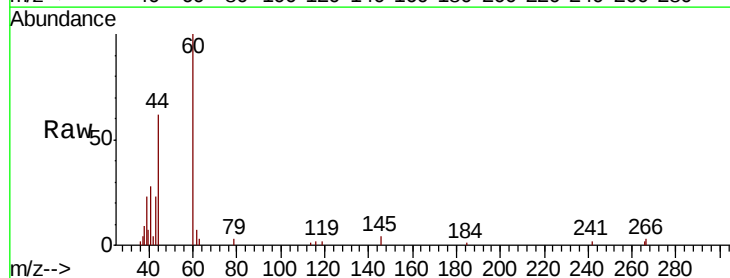
Acq: 16 Jul 2020 21:03

Tgt Ion: 41 Resp: 2164

Ion Ratio Lower Upper

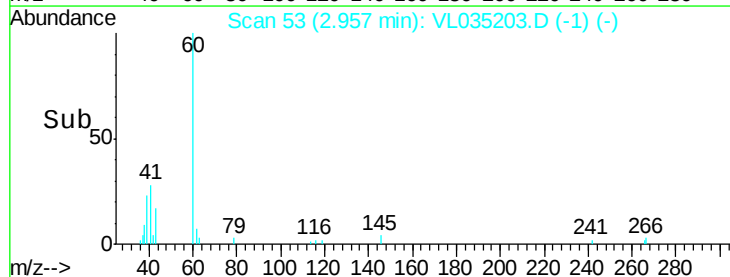
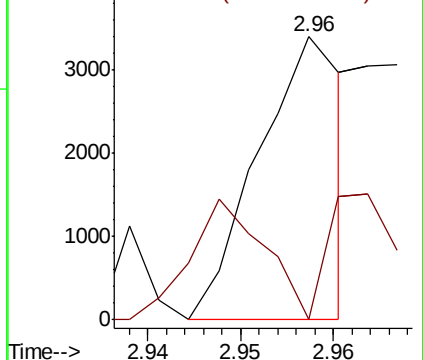
41 100

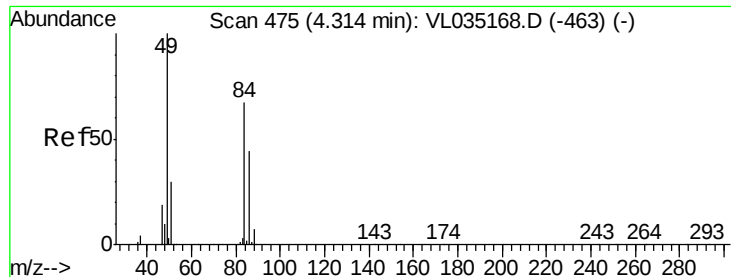
42 0.0 54.6 81.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

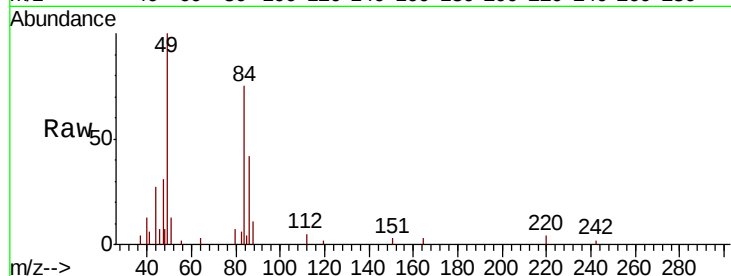




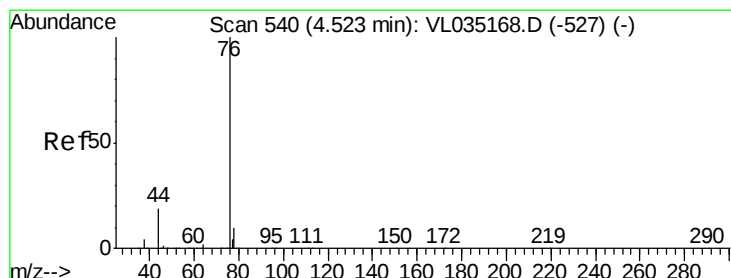
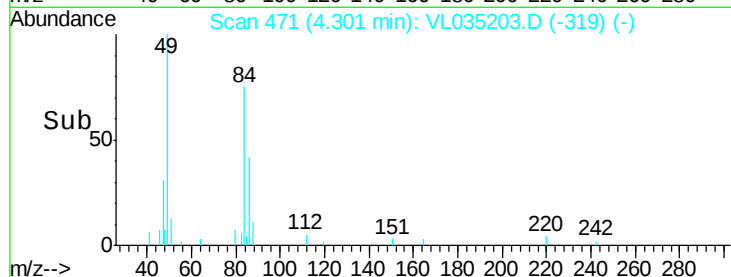
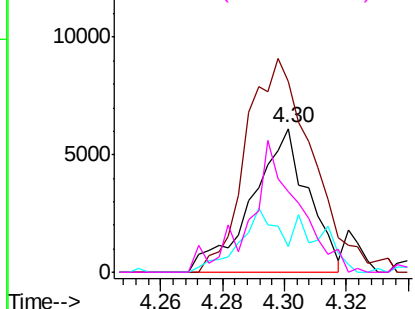
#20
Methvlene Chloride
Concen: 0.143 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.01 min
Lab File: VL035203.D
Acq: 16 Jul 2020 21:03

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion: 84 Resp: 7660
Ion Ratio Lower Upper
84 100
49 133.0 119.4 179.0
51 17.4 36.6 55.0#
86 56.3 52.5 78.7

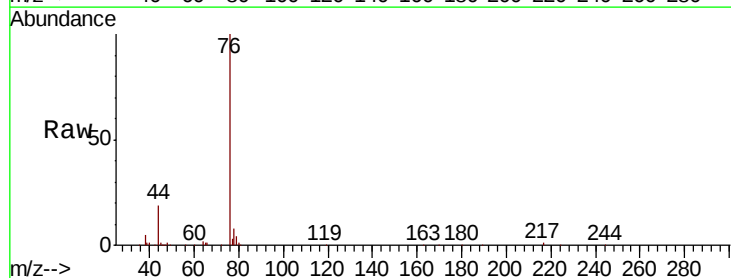


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

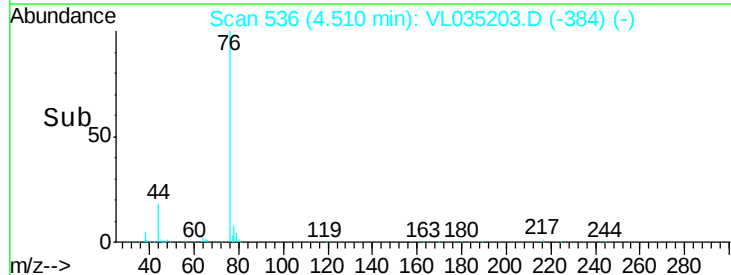
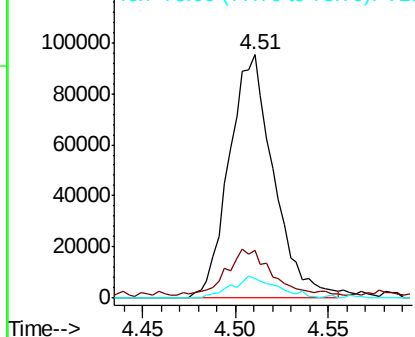


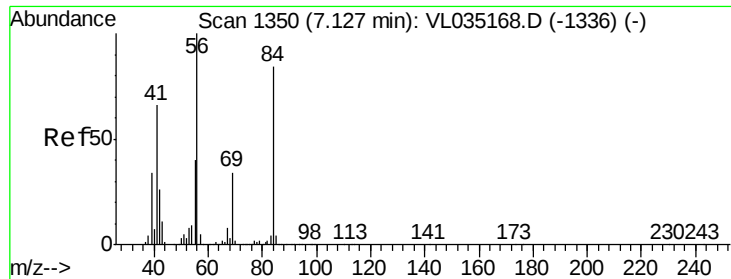
#27
Carbon Disulfide
Concen: 1.349 ppbv
RT: 4.51 min Scan# 536
Delta R.T. -0.01 min
Lab File: VL035203.D
Acq: 16 Jul 2020 21:03

Tgt Ion: 76 Resp: 159040
Ion Ratio Lower Upper
76 100
44 21.4 14.9 22.3
78 9.5 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

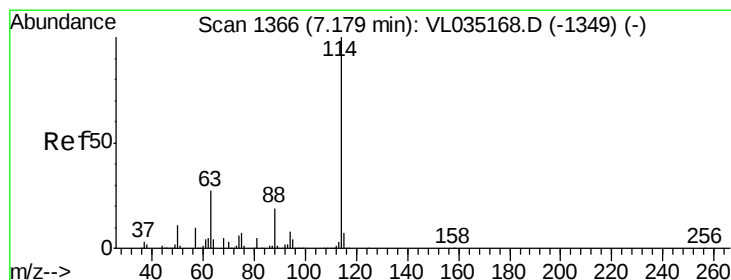
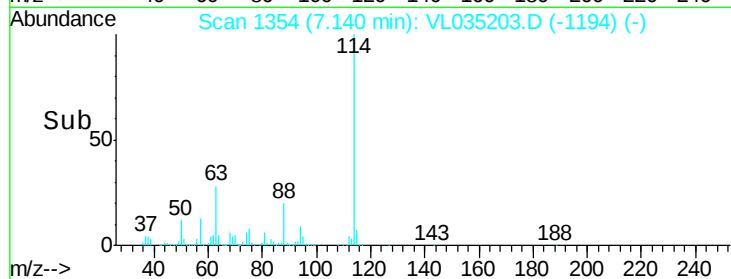
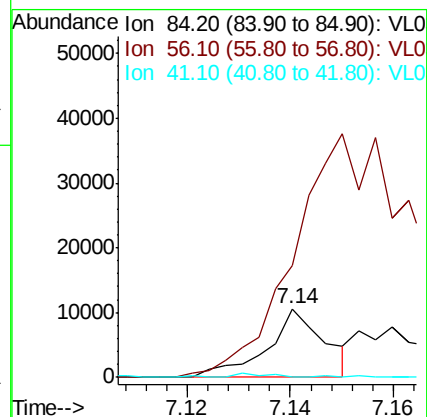
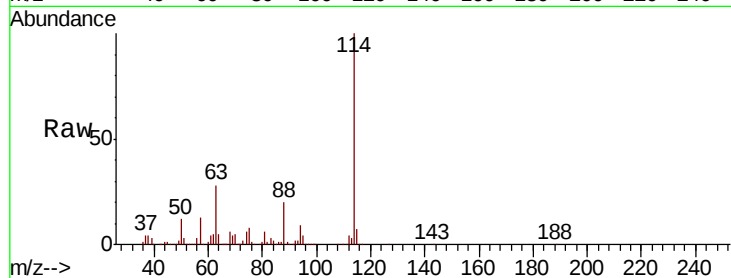




#30
Cyclohexane
Concen: 0.132 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL035203.D
Acq: 16 Jul 2020 21:03

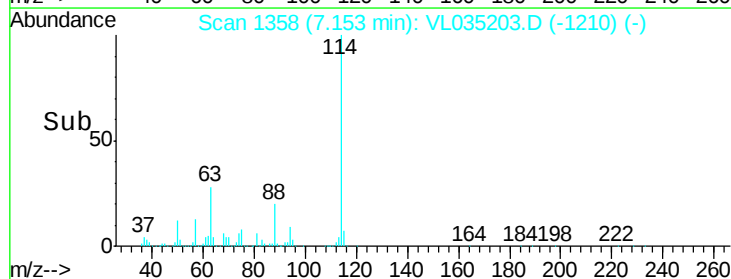
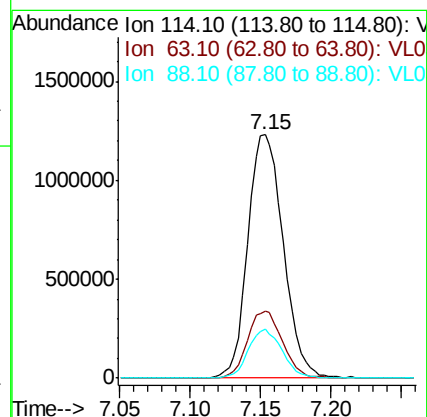
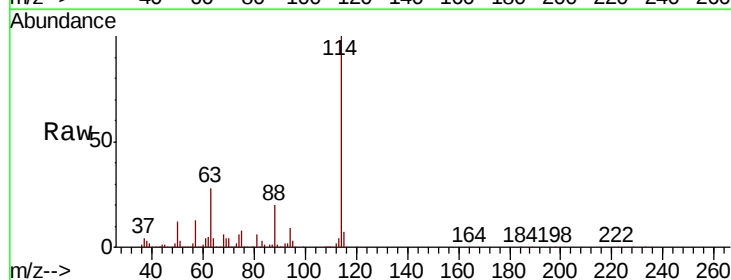
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

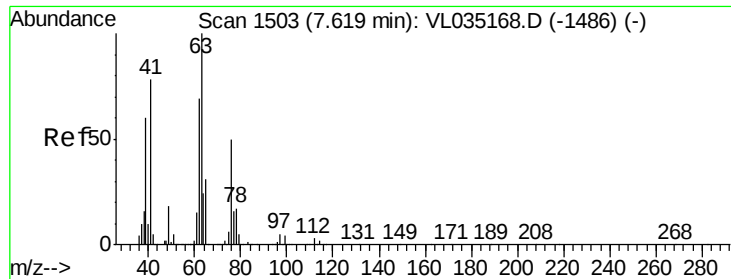
Tot Ion	84	Resp	8225
Ion Ratio	Lower	Upper	
84	100		
56	0.0	105.6	158.4#
41	5.8	64.9	97.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.03 min
Lab File: VL035203.D
Acq: 16 Jul 2020 21:03

Tgt Ion	114	Resp	2168992
Ion Ratio	Lower	Upper	
114	100		
63	27.4	22.0	33.0
88	19.2	15.4	23.0





#39

1,2-Dichloropropane

Concen: 9.435 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.47 min

Lab File: VL035203.D

Acq: 16 Jul 2020 21:03

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

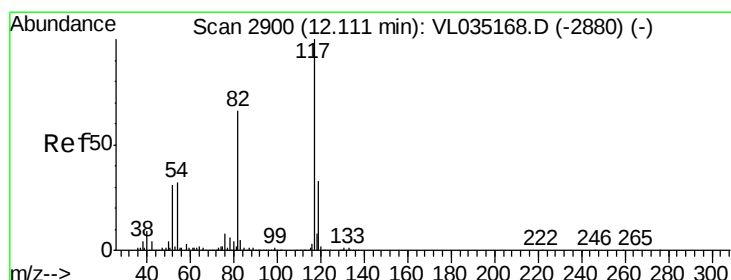
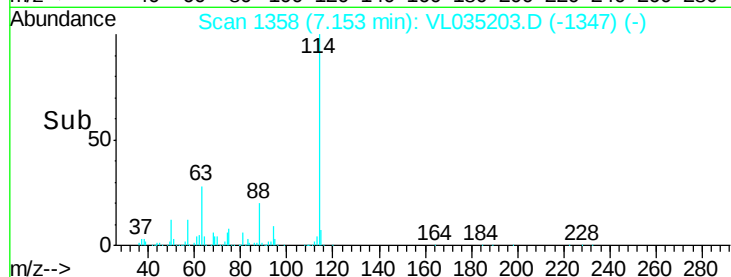
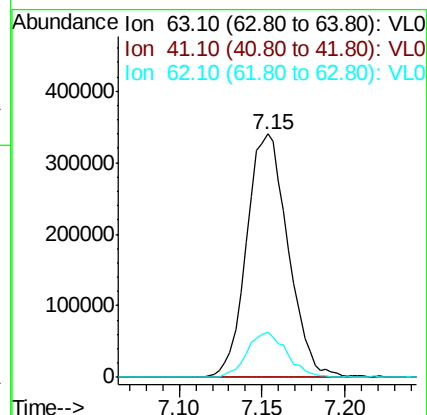
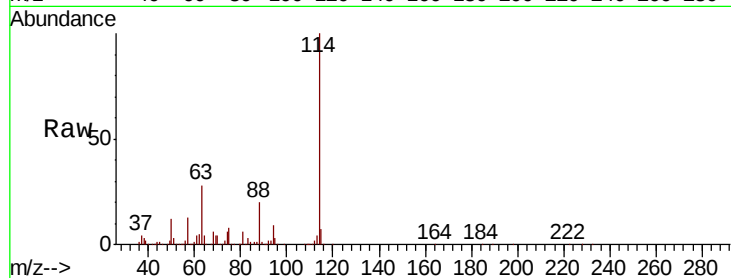
Tot Ion: 63 Resp: 589046

Ion Ratio Lower Upper

63 100

41 0.0 62.6 94.0#

62 18.6 55.0 82.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.02 min

Lab File: VL035203.D

Acq: 16 Jul 2020 21:03

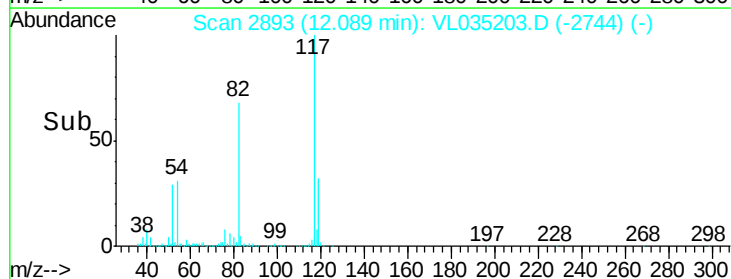
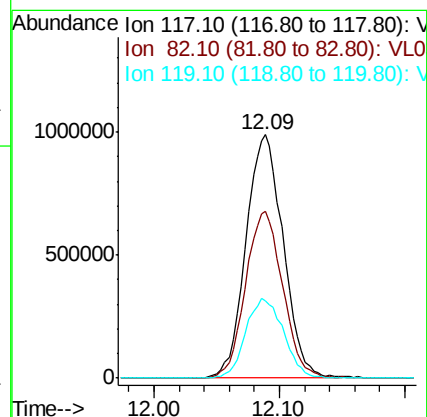
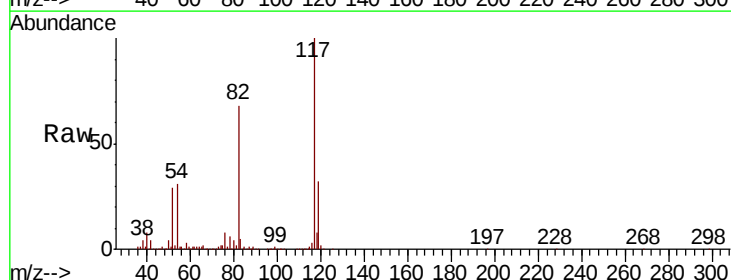
Tgt Ion: 117 Resp: 2038160

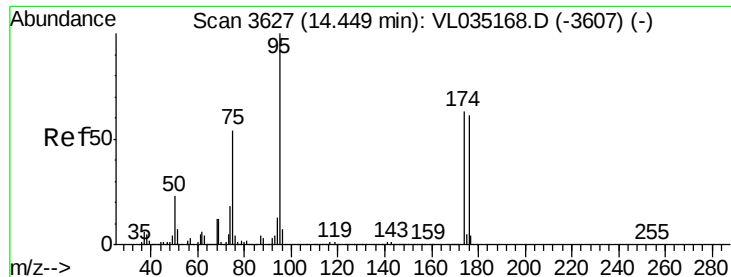
Ion Ratio Lower Upper

117 100

82 68.7 52.3 78.5

119 33.3 24.9 37.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.147 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.03 min

Lab File: VL035203.D

Acq: 16 Jul 2020 21:03

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

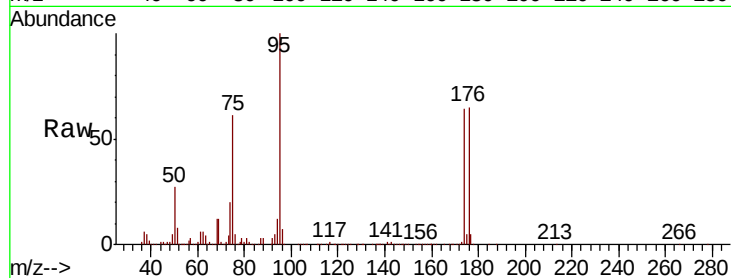
Tot Ion: 95 Resp: 1680119

Ion Ratio Lower Upper

95 100

174 65.5 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

