

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035160.D
 Acq On : 7 Jul 2020 00:14
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jul 07 05:06:41 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	923764	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2211959	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2071824	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1776299	10.32	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

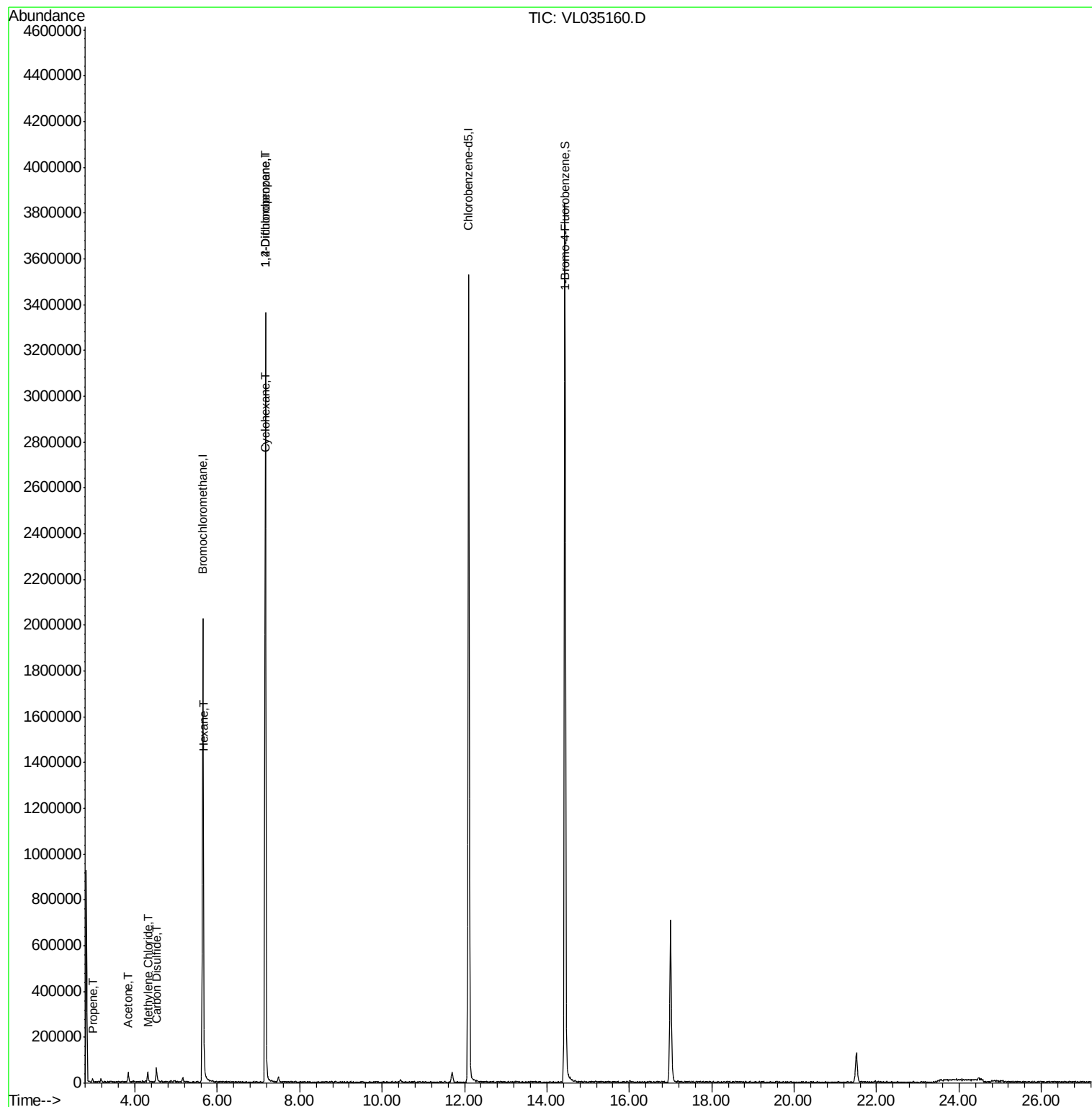
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	1269	0.031	ppbv #	15
15) Acetone	3.83	43	36872	0.330	ppbv #	80
20) Methylene Chloride	4.30	84	7471	0.165	ppbv #	75
26) Hexane	5.67	57	3261	0.036	ppbv #	34
27) Carbon Disulfide	4.52	76	64393	0.685	ppbv	99
30) Cyclohexane	7.15	84	6664	0.102	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	603313	9.006	ppbv #	25

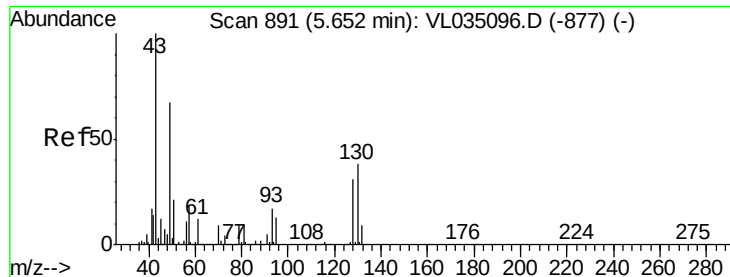
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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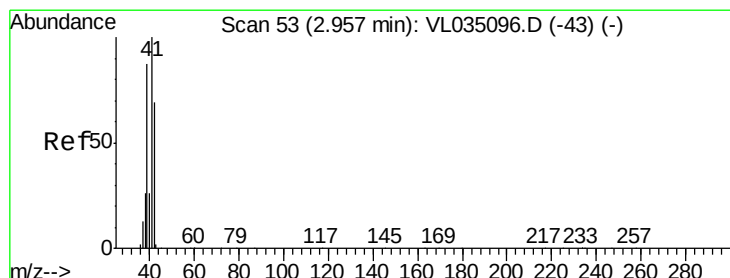
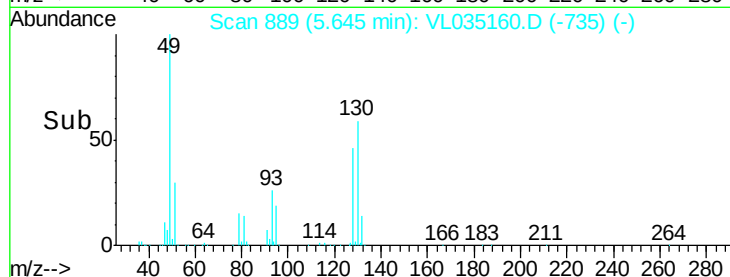
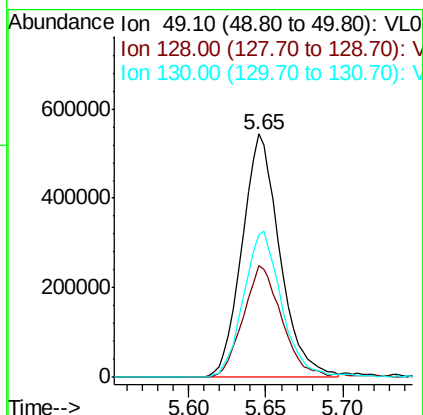
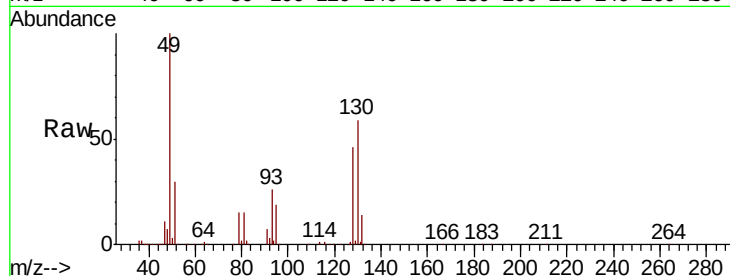




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: VL035160.D
 Acq: 7 Jul 2020 00:14

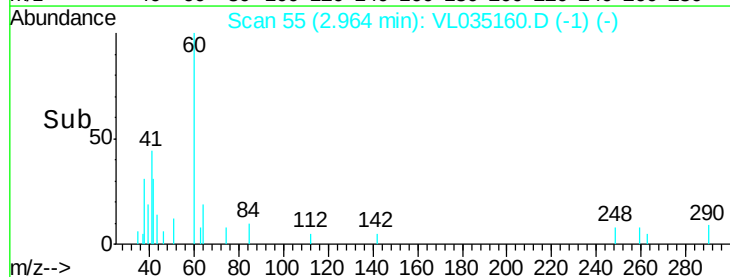
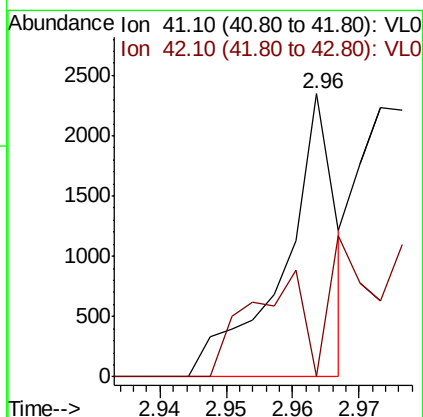
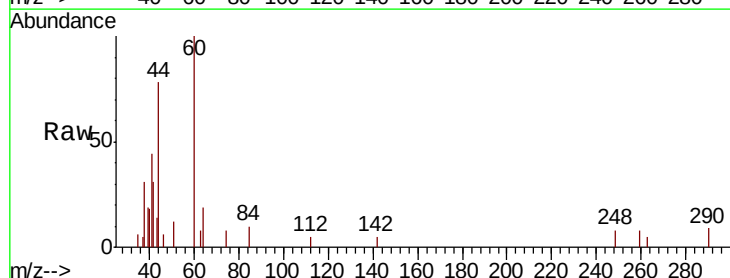
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

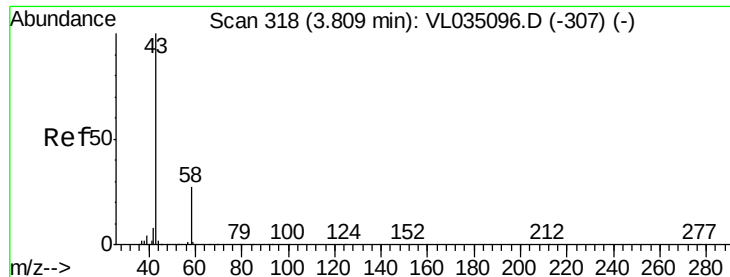
Tot Ion: 49 Resp: 923764
 Ion Ratio Lower Upper
 49 100
 128 48.2 22.9 68.5
 130 62.0 29.0 87.0



#9
 Propene
 Concen: 0.031 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. 0.01 min
 Lab File: VL035160.D
 Acq: 7 Jul 2020 00:14

Tgt Ion: 41 Resp: 1269
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.8 83.6#





#15

Acetone

Concen: 0.330 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.02 min

Lab File: VL035160.D

Acq: 7 Jul 2020 00:14

Instrument :

MSVOA_L

ClientSampleId :

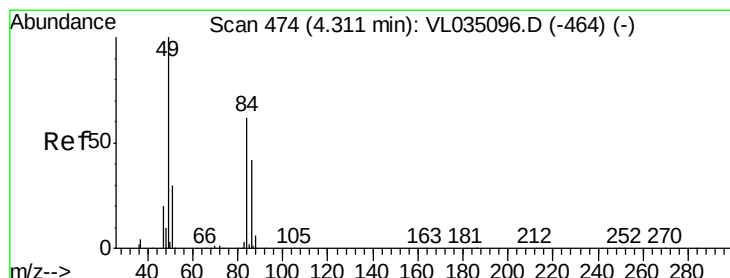
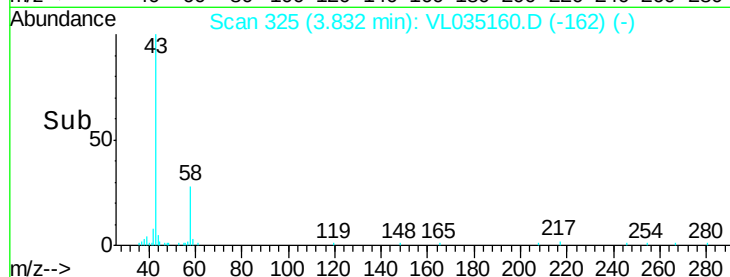
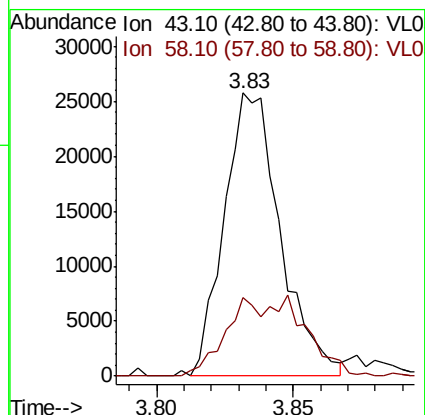
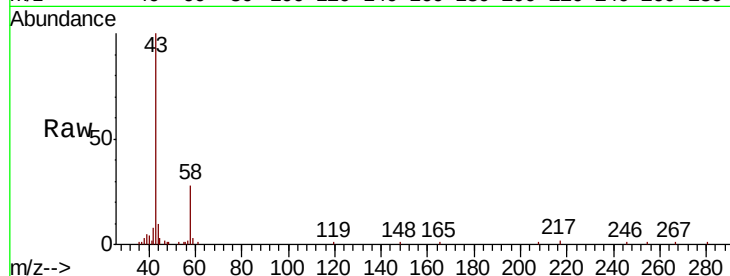
VIBLK

Tot Ion: 43 Resp: 36872

Ion Ratio Lower Upper

43 100

58 37.7 21.8 32.6#



#20

Methylene Chloride

Concen: 0.165 ppbv

RT: 4.30 min Scan# 472

Delta R.T. -0.01 min

Lab File: VL035160.D

Acq: 7 Jul 2020 00:14

Tgt Ion: 84 Resp: 7471

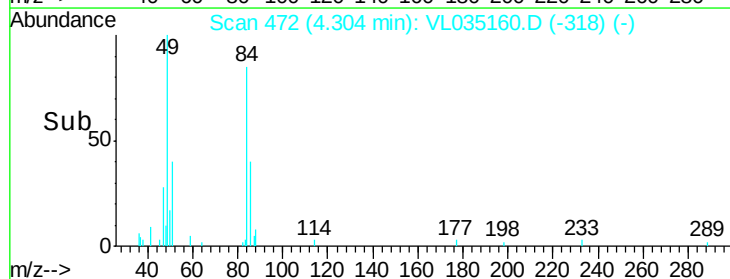
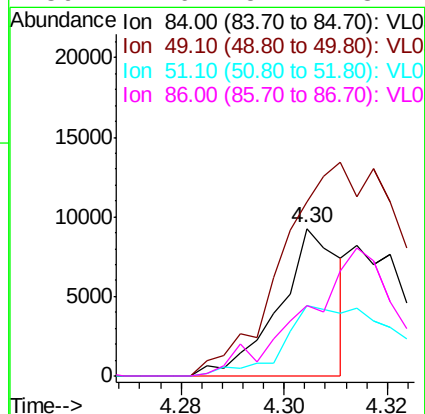
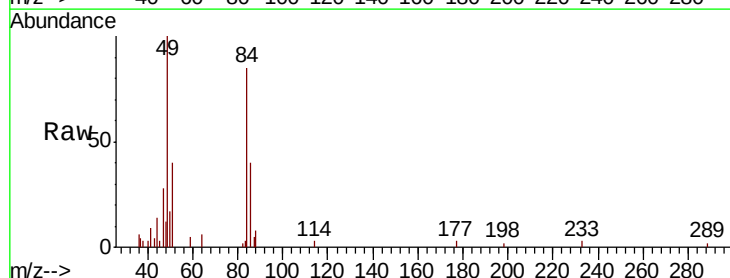
Ion Ratio Lower Upper

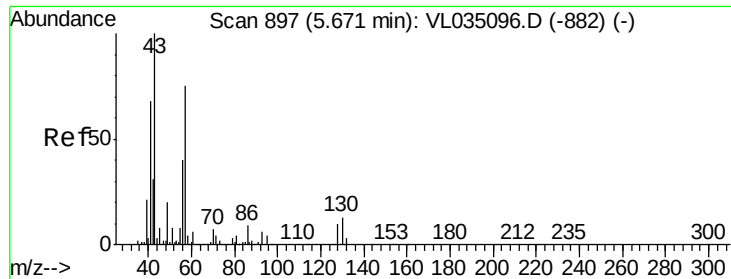
84 100

49 118.2 128.8 193.2#

51 47.5 38.7 58.1

86 47.6 54.1 81.1#





#26

Hexane

Concen: 0.036 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL035160.D

Acq: 7 Jul 2020 00:14

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 57 Resp: 3261

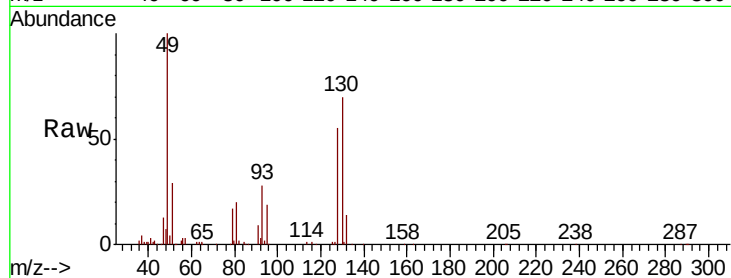
Ion Ratio Lower Upper

57 100

41 0.0 72.9 109.3#

43 152.8 181.3 271.9#

56 128.1 43.1 64.7#

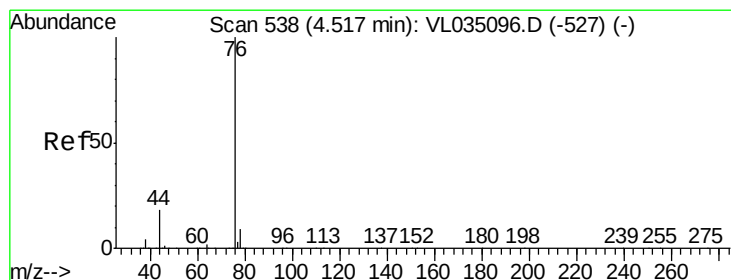
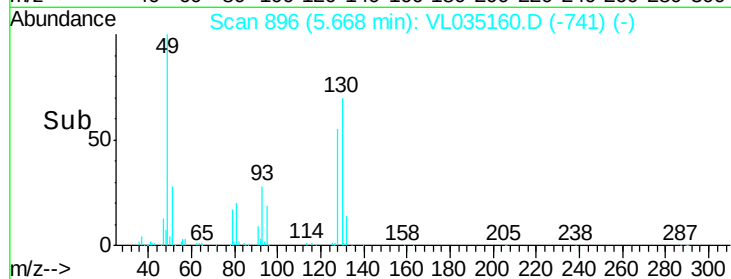
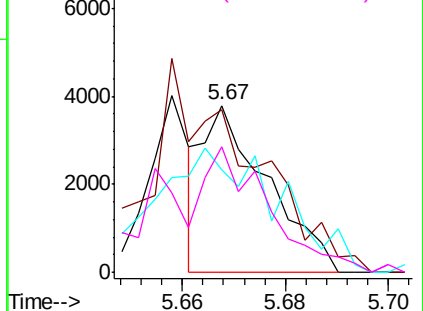


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.685 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035160.D

Acq: 7 Jul 2020 00:14

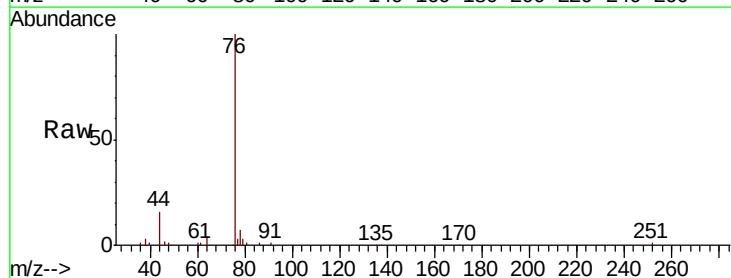
Tgt Ion: 76 Resp: 64393

Ion Ratio Lower Upper

76 100

44 20.3 15.8 23.8

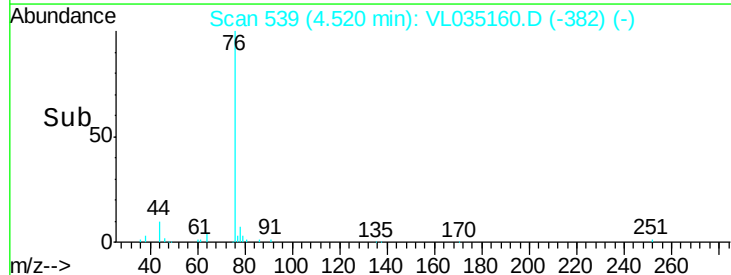
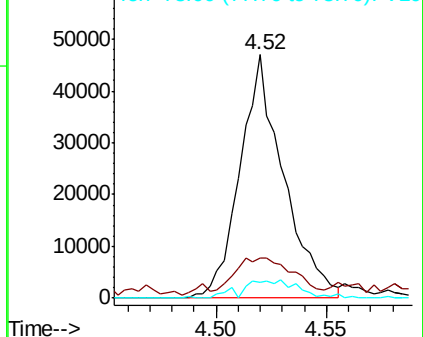
78 9.8 7.6 11.4

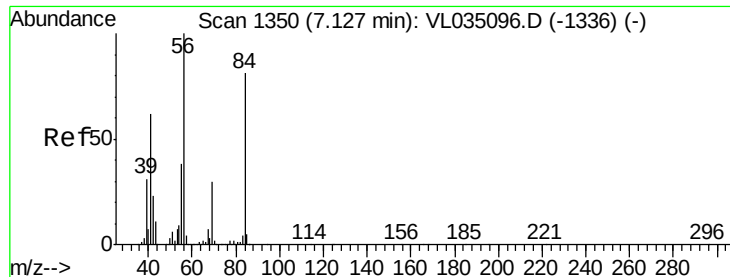


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

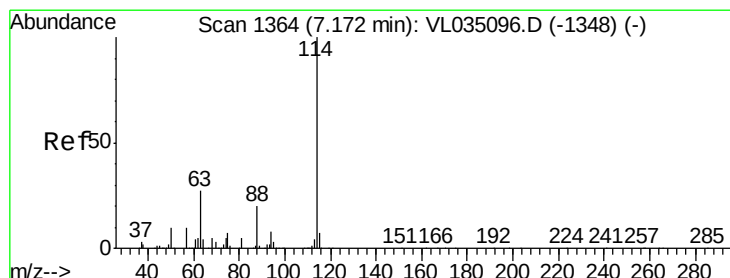
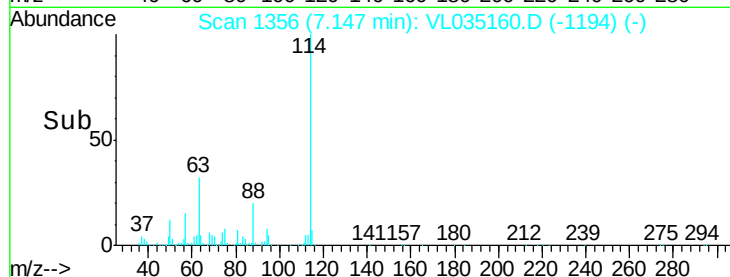
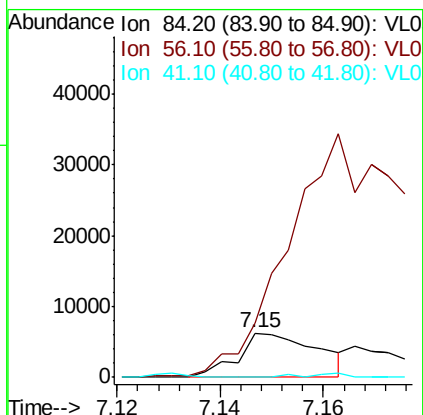
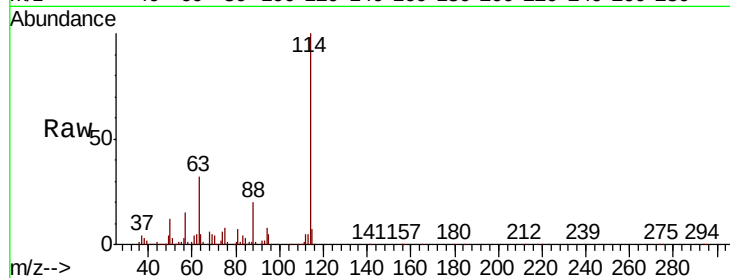




#30
Cyclohexane
Concen: 0.102 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.02 min
Lab File: VL035160.D
Acq: 7 Jul 2020 00:14

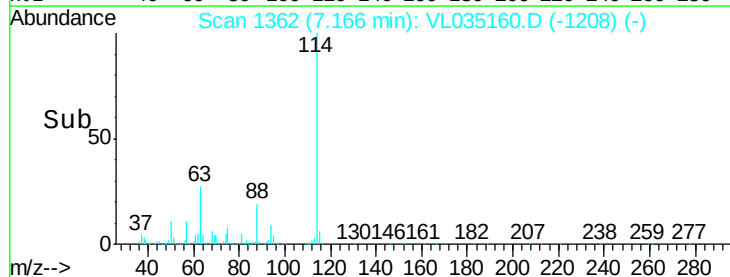
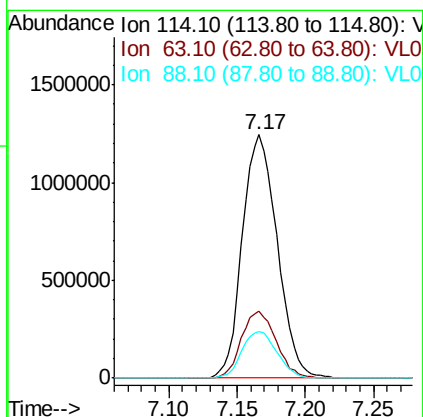
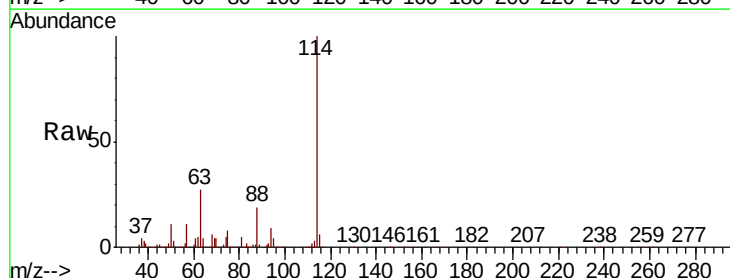
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

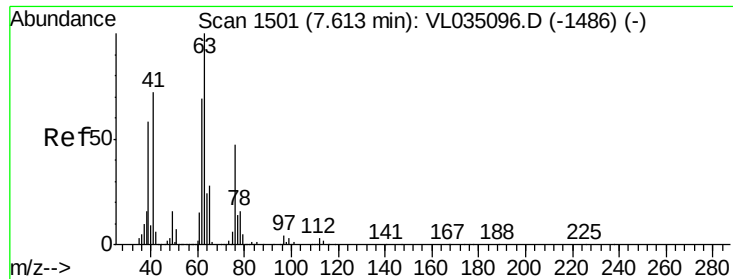
Tot Ion: 84 Resp: 6664
Ion Ratio Lower Upper
84 100
56 0.0 108.0 162.0#
41 0.0 65.6 98.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL035160.D
Acq: 7 Jul 2020 00:14

Tgt Ion: 114 Resp: 2211959
Ion Ratio Lower Upper
114 100
63 27.5 21.9 32.9
88 19.5 15.6 23.4





#39

1,2-Dichloropropane

Concen: 9.006 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.45 min

Lab File: VL035160.D

Acq: 7 Jul 2020 00:14

Instrument :

MSVOA_L

ClientSampled :

VIBLK

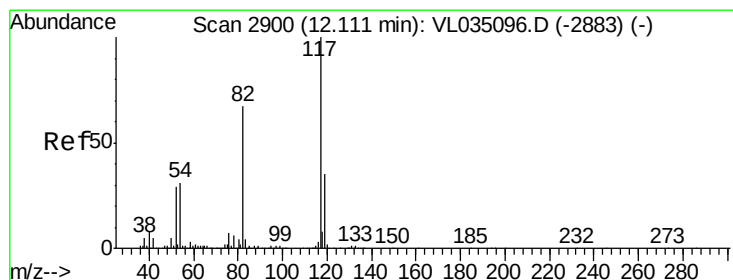
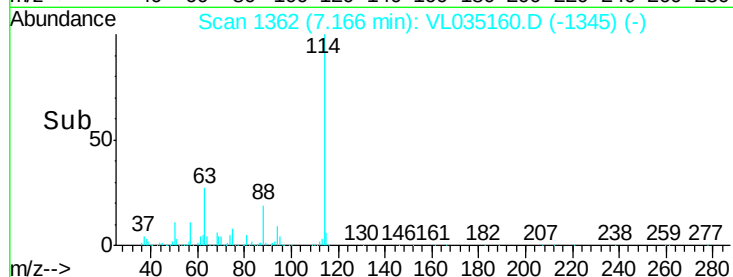
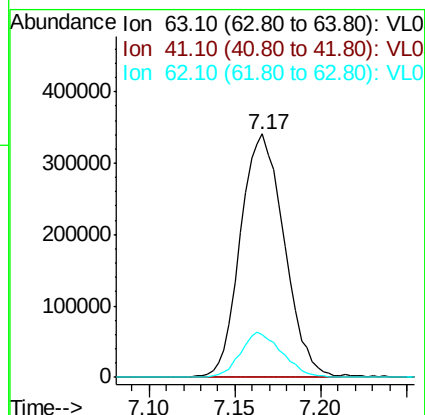
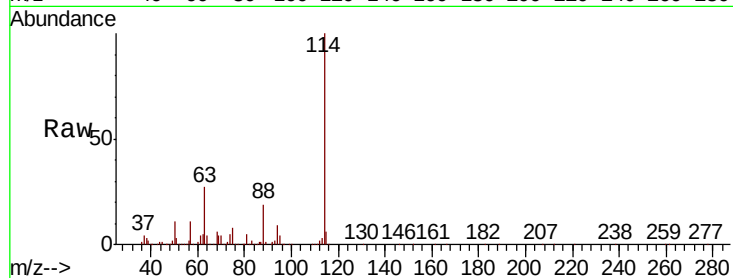
Tot Ion: 63 Resp: 603313

Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

62 17.6 55.4 83.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL035160.D

Acq: 7 Jul 2020 00:14

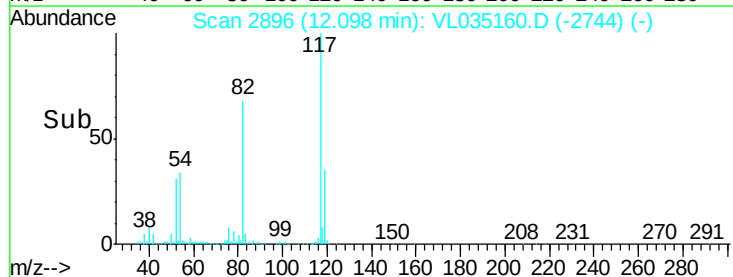
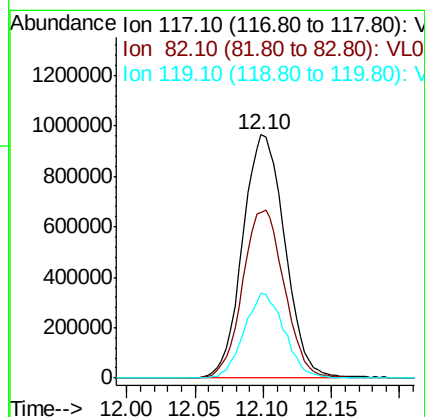
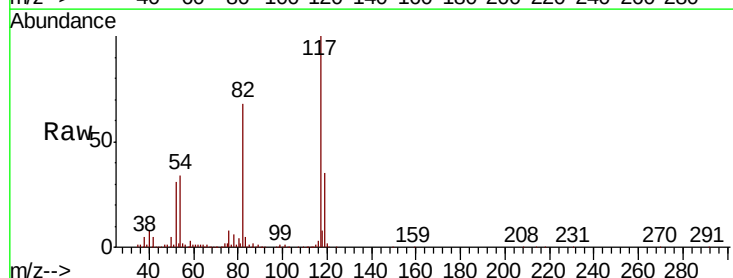
Tgt Ion: 117 Resp: 2071824

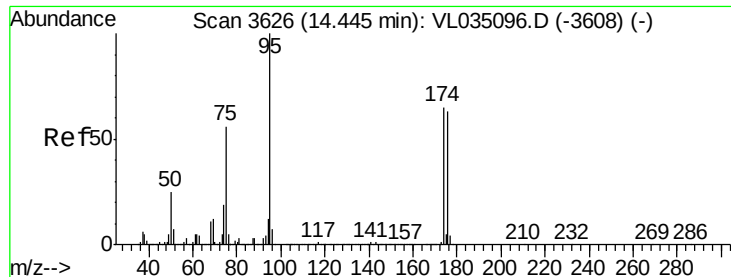
Ion Ratio Lower Upper

117 100

82 68.7 50.4 75.6

119 33.4 25.4 38.0





#68

1-Bromo-4-Fluorobenzene

Concen: 10.321 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL035160.D

Acq: 7 Jul 2020 00:14

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 95 Resp: 1776299

Ion Ratio Lower Upper

95 100

174 65.4 52.2 78.2

175 4.7 4.0 6.0

