

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035743.D
 Acq On : 8 Oct 2020 12:58
 Operator : SY/AP
 Sample : VL1008SBL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 09 01:16:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1202652	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	4409408	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	4386756	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3283760	9.99	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

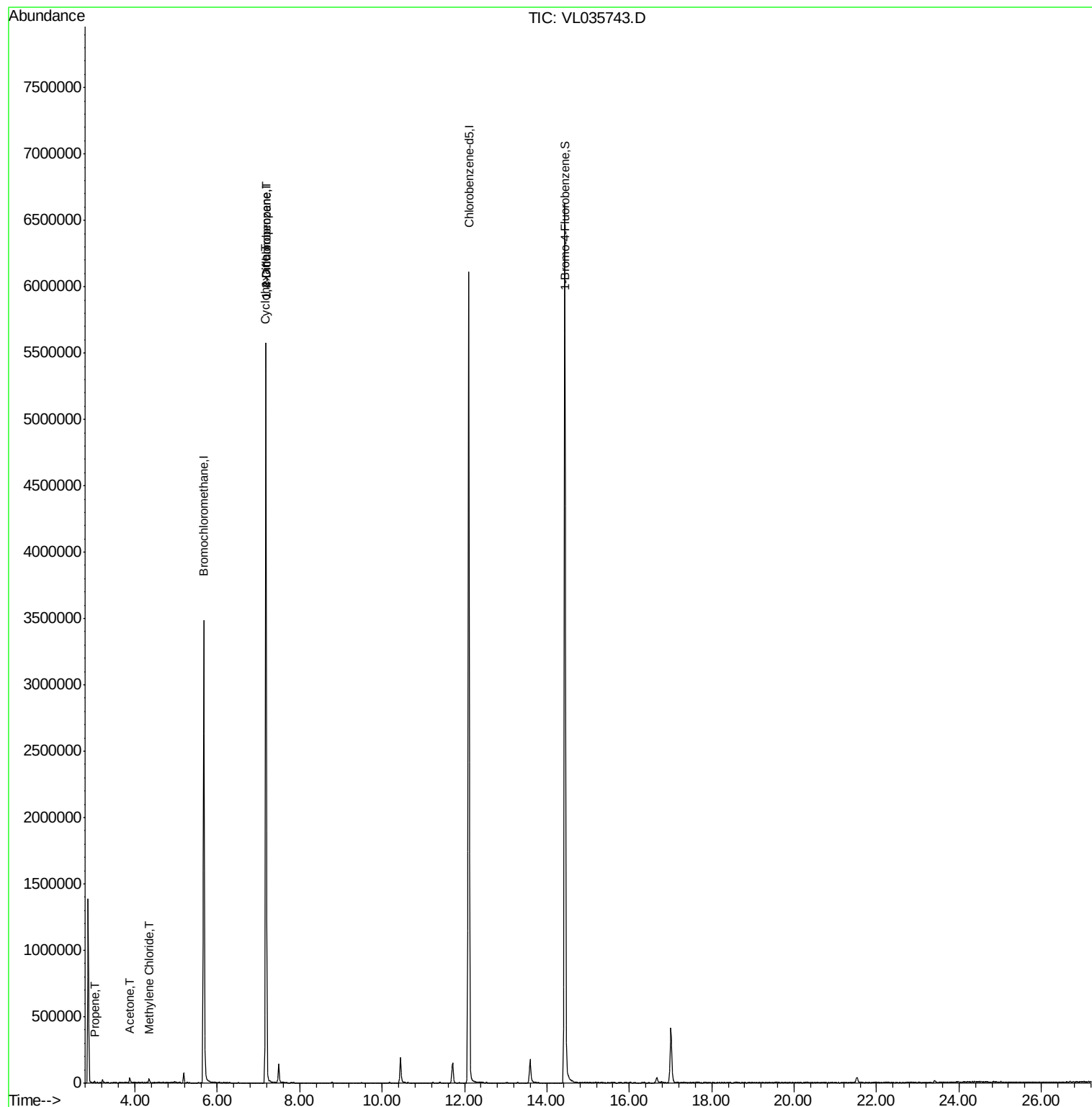
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3919	0.083	ppbv #	77
15) Acetone	3.87	43	24778	0.191	ppbv #	17
20) Methylene Chloride	4.35	84	13707	0.144	ppbv	94
30) Cyclohexane	7.17	84	5713	0.045	ppbv #	7
39) 1,2-Dichloropropane	7.18	63	880981	8.459	ppbv #	30

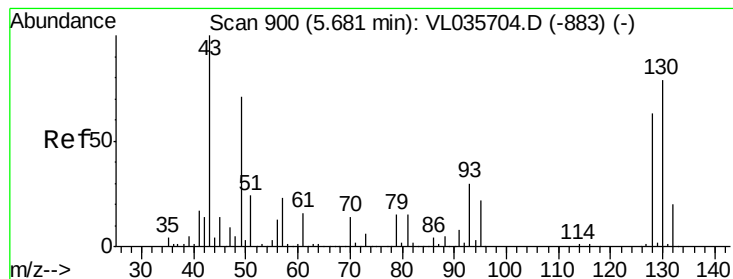
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035743.D

Acq: 8 Oct 2020 12:58

Instrument :

MSVOA_L

ClientSampleId :

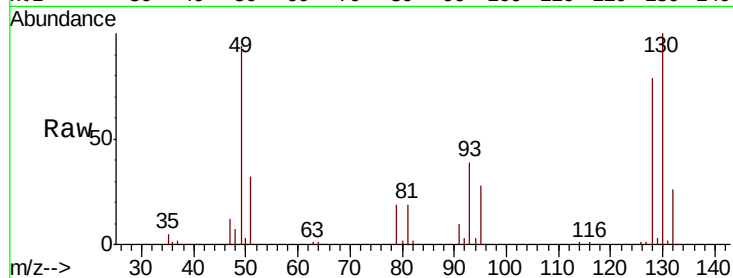
Tot Ion: 49 Resp: 1202652

Ion Ratio Lower Upper

49 100

128 84.2 43.1 129.4

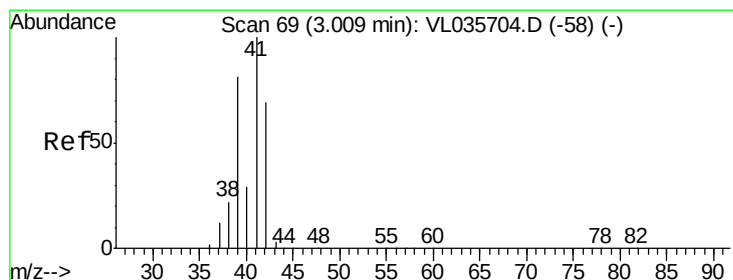
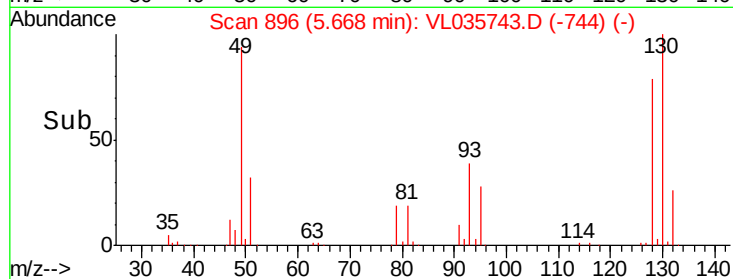
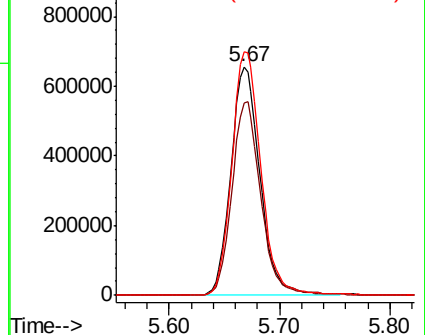
130 107.7 54.9 164.7



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: 0.083 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035743.D

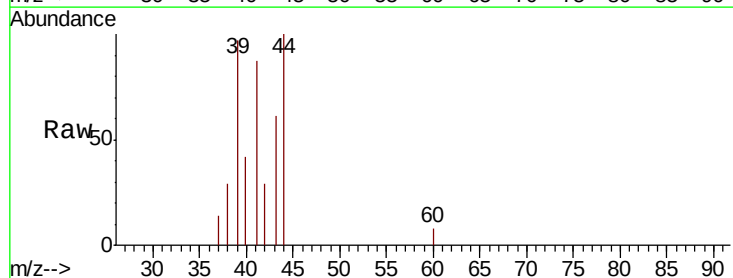
Acq: 8 Oct 2020 12:58

Tgt Ion: 41 Resp: 3919

Ion Ratio Lower Upper

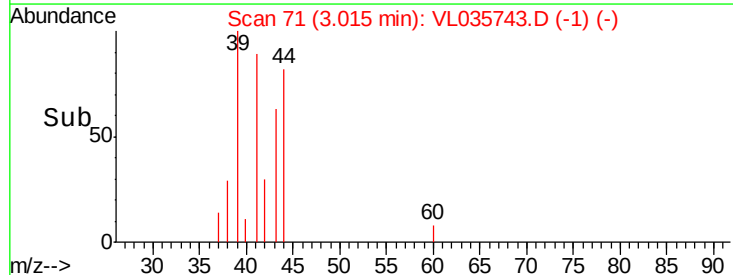
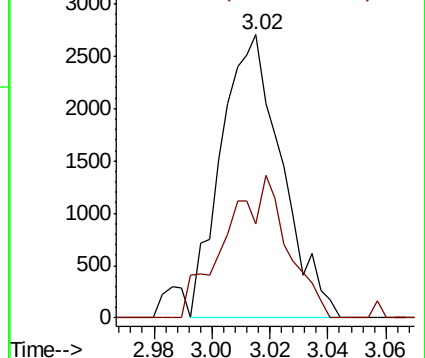
41 100

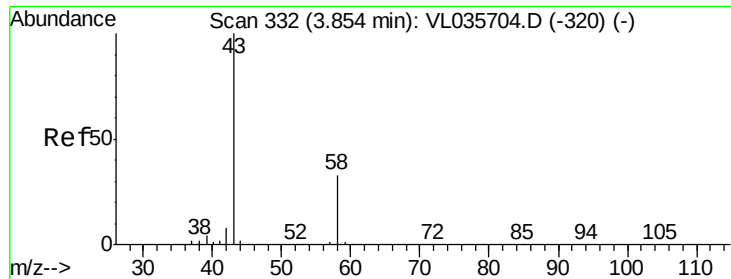
42 51.4 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.191 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL035743.D

Acq: 8 Oct 2020 12:58

Instrument :

MSVOA_L

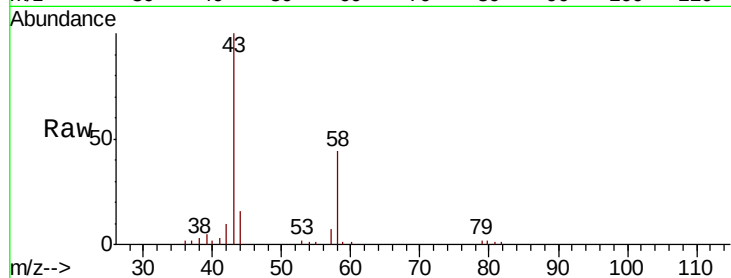
ClientSampleId :

Tot Ion: 43 Resp: 24778

Ion Ratio Lower Upper

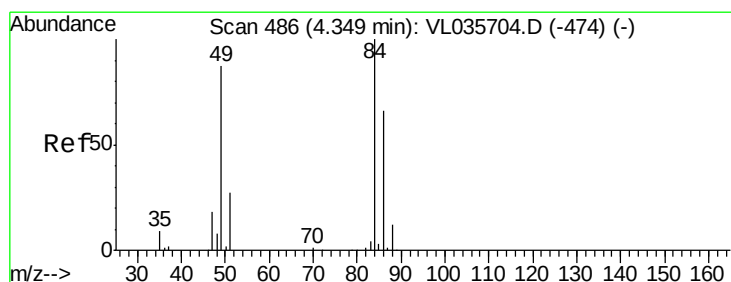
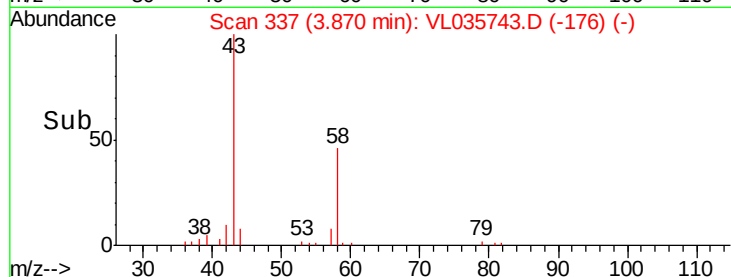
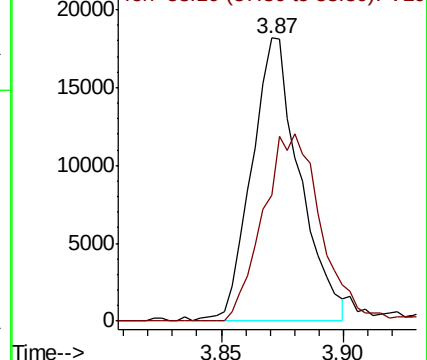
43 100

58 81.6 27.3 40.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.144 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL035743.D

Acq: 8 Oct 2020 12:58

Tgt Ion: 84 Resp: 13707

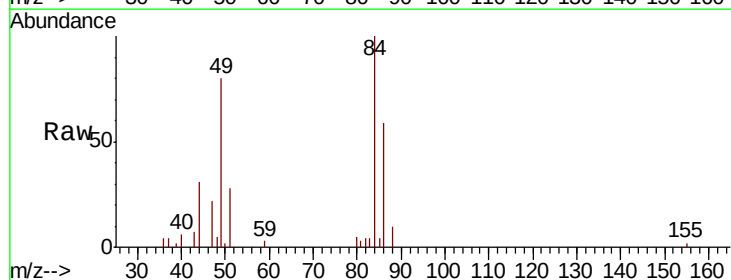
Ion Ratio Lower Upper

84 100

49 81.6 69.8 104.6

51 28.1 21.8 32.8

86 59.0 52.6 78.8

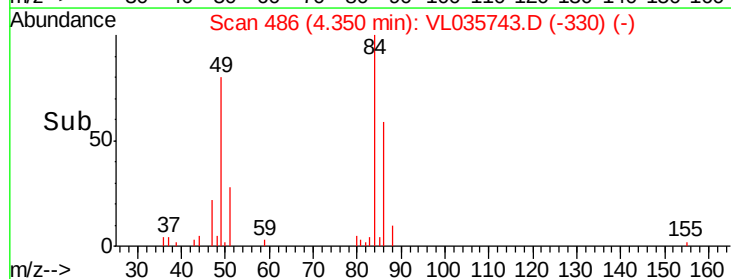
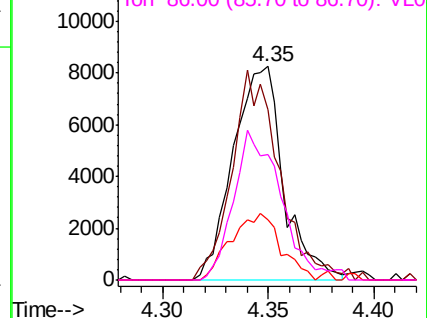


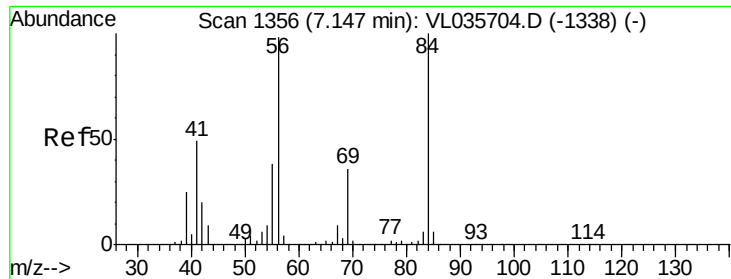
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

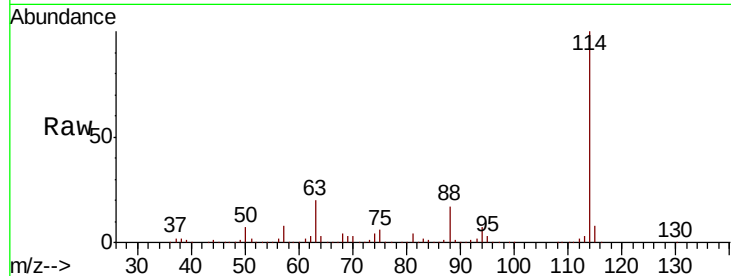




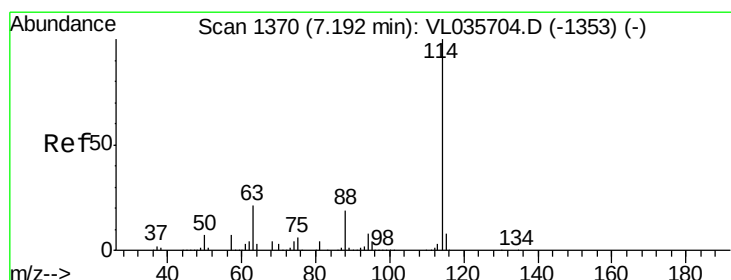
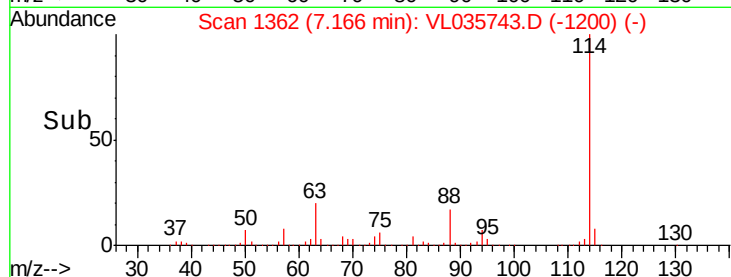
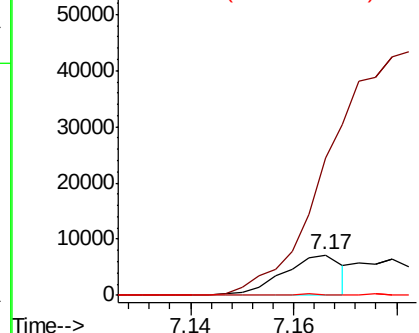
#30
Cyclohexane
Concen: 0.045 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.02 min
Lab File: VL035743.D
Acq: 8 Oct 2020 12:58

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 84 Resp: 5713
Ion Ratio Lower Upper
84 100
56 0.0 84.6 127.0#
41 0.0 41.1 61.7#

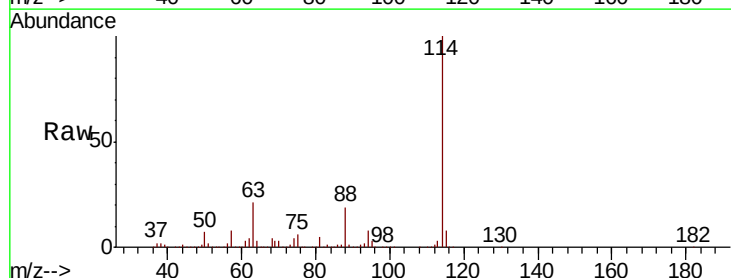


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

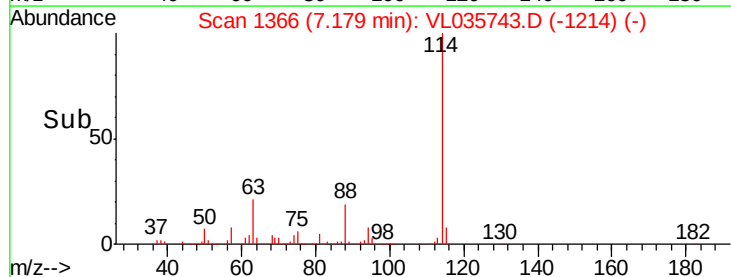
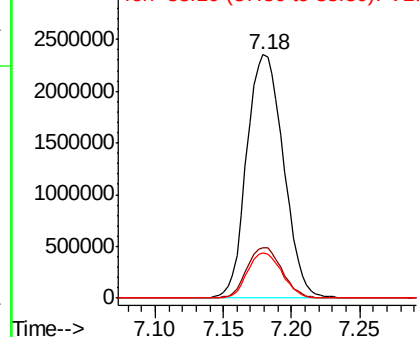


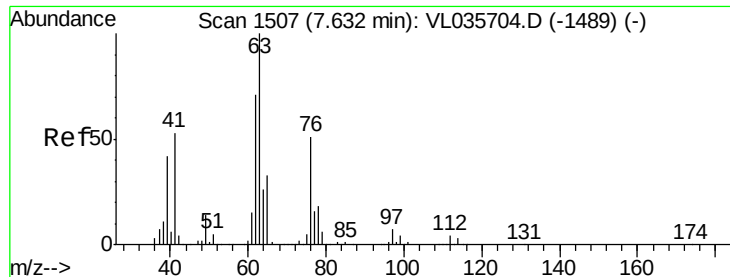
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL035743.D
Acq: 8 Oct 2020 12:58

Tgt Ion: 114 Resp: 4409408
Ion Ratio Lower Upper
114 100
63 20.0 16.1 24.1
88 17.6 14.1 21.1



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





#39

1,2-Dichloropropane

Concen: 8.459 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.45 min

Lab File: VL035743.D

Acq: 8 Oct 2020 12:58

Instrument :

MSVOA_L

ClientSampleId :

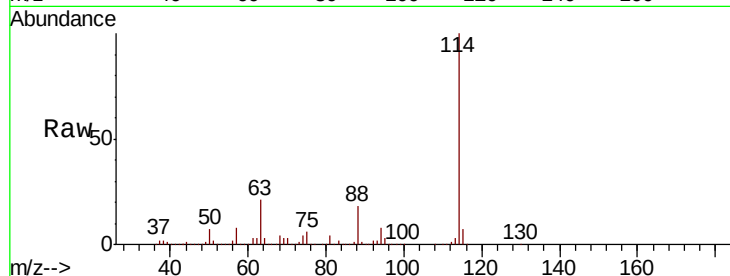
Tot Ion: 63 Resp: 880981

Ion Ratio Lower Upper

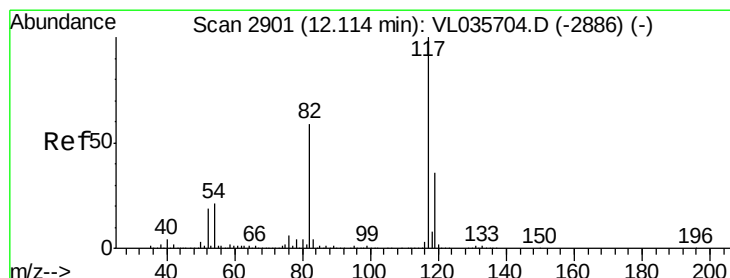
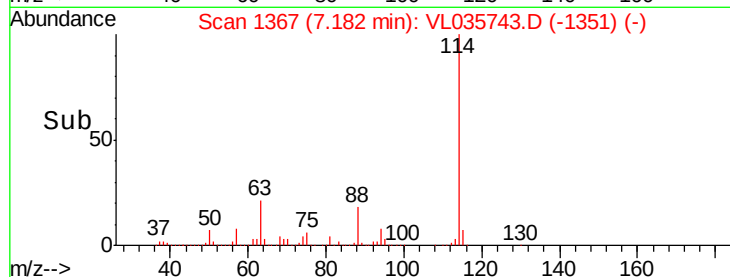
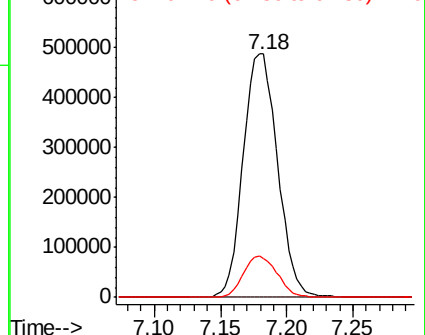
63 100

41 0.0 42.6 63.8#

62 16.0 56.5 84.7#



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# 2897

Delta R.T. -0.01 min

Lab File: VL035743.D

Acq: 8 Oct 2020 12:58

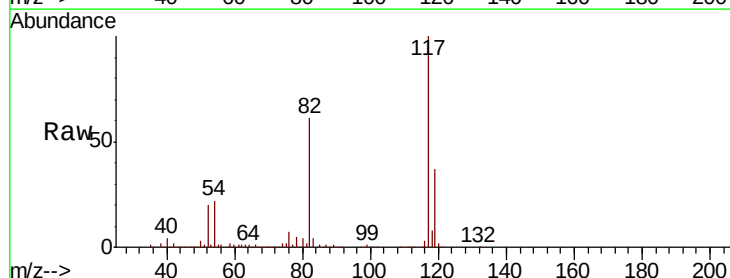
Tgt Ion: 117 Resp: 4386756

Ion Ratio Lower Upper

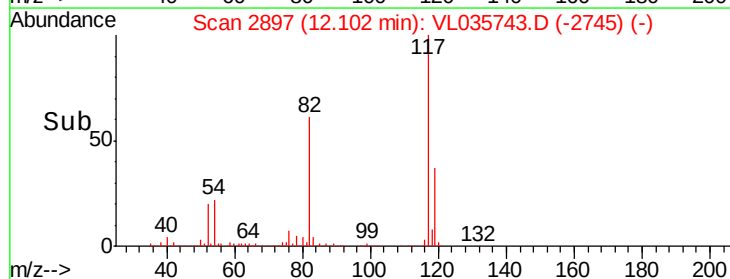
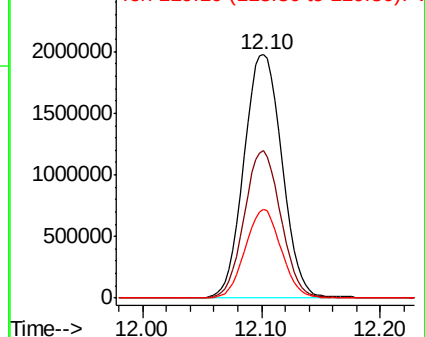
117 100

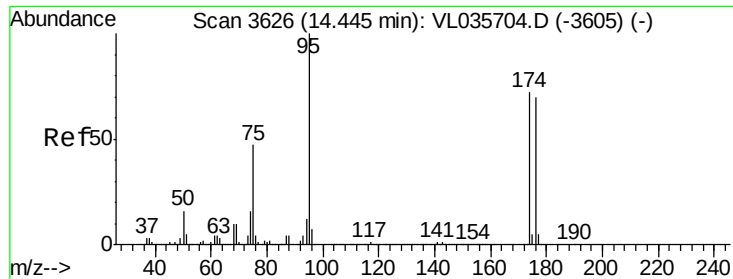
82 58.5 46.1 69.1

119 34.6 28.0 42.0



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: 9.990 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035743.D

Acq: 8 Oct 2020 12:58

Instrument :

MSVOA_L

ClientSampleId :

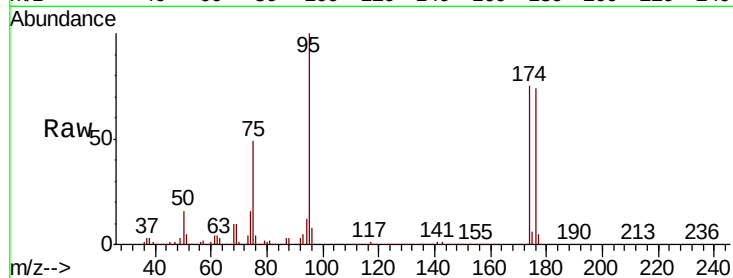
Tot Ion: 95 Resp: 3283760

Ion Ratio Lower Upper

95 100

174 76.8 59.6 89.4

175 5.6 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

2000000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

