

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035757.D
 Acq On : 12 Oct 2020 11:22
 Operator : SY/AP
 Sample : VL1012ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABL01

Quant Time: Oct 13 00:02:14 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	5.65	49	1185857	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	4361386	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	4385683	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3243131	9.87	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

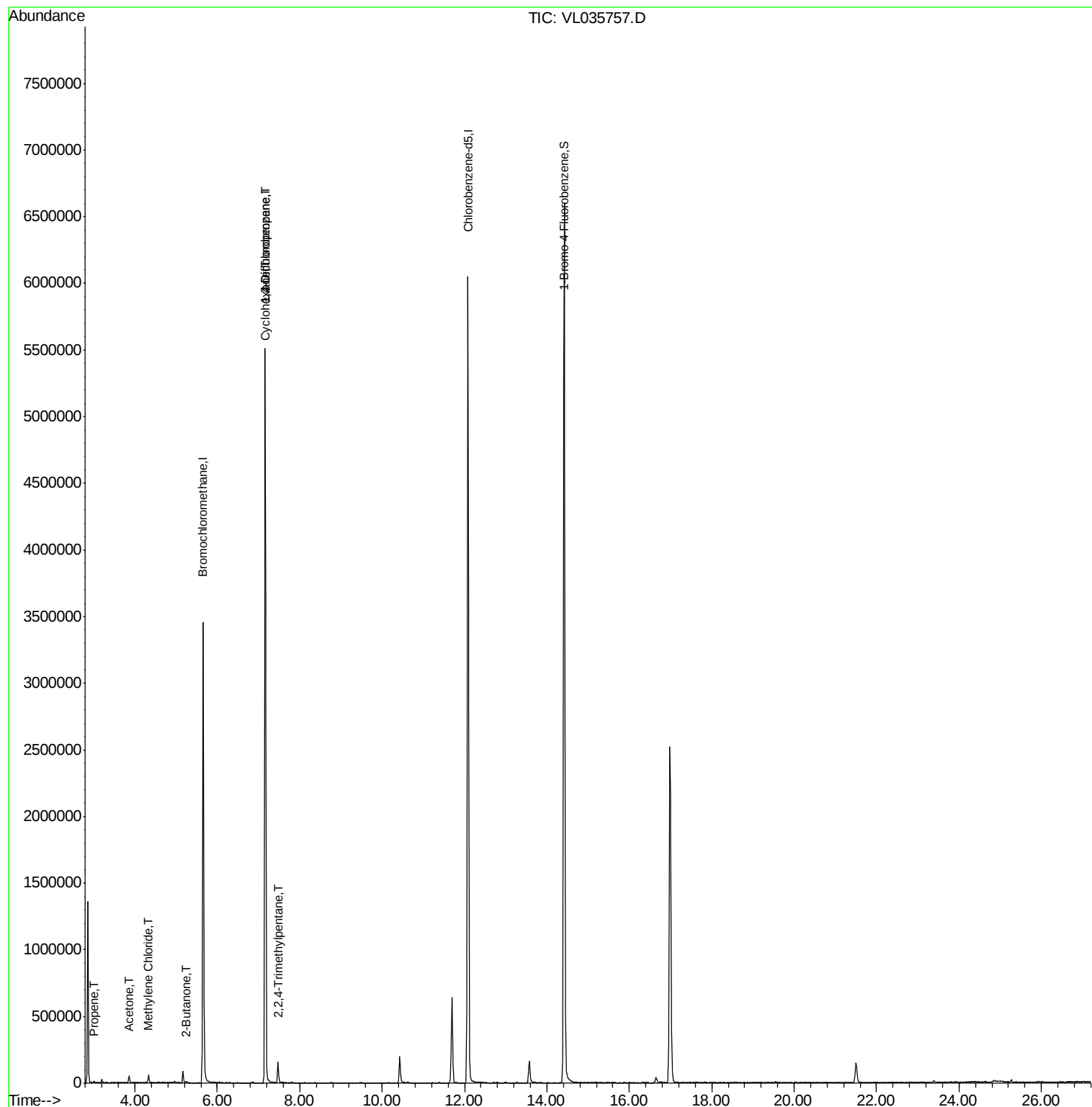
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3980	0.086	ppbv #	77
15) Acetone	3.85	43	36576	0.287	ppbv #	25
20) Methylene Chloride	4.33	84	25582	0.273	ppbv	97
30) Cyclohexane	7.15	84	5813	0.047	ppbv #	7
34) 2-Butanone	5.25	43	6970	0.048	ppbv	93
39) 1,2-Dichloropropane	7.16	63	862853	8.377	ppbv #	31
44) 2,2,4-Trimethylpentane	7.47	57	25329	0.062	ppbv #	1

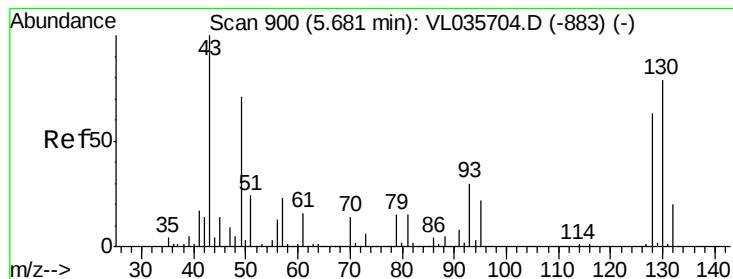
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

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ClientSampleId :

VL1012ABL01

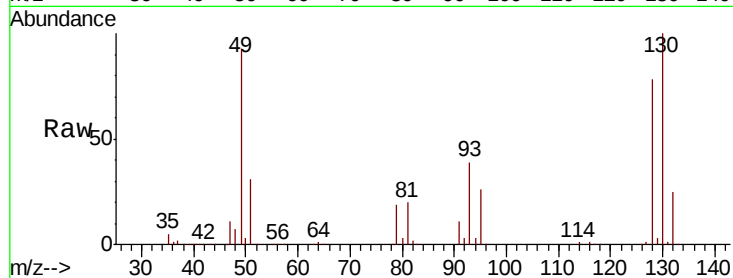
Tot Ion: 49 Resp: 1185857

Ion Ratio Lower Upper

49 100

128 84.0 43.1 129.4

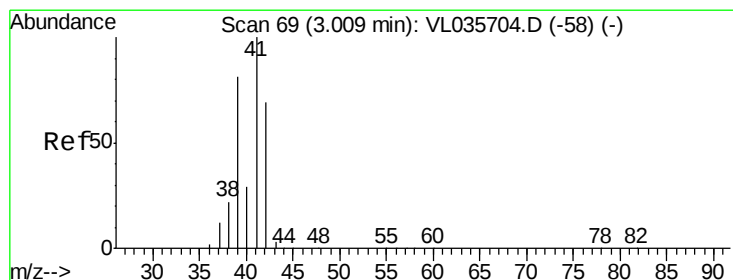
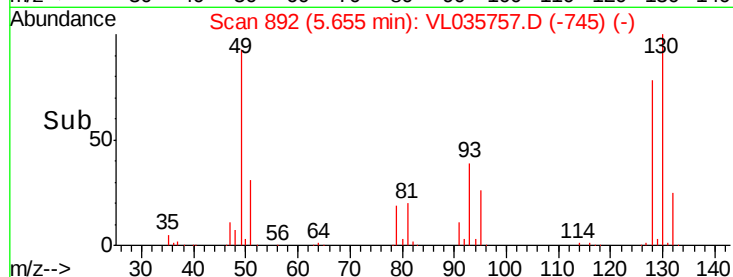
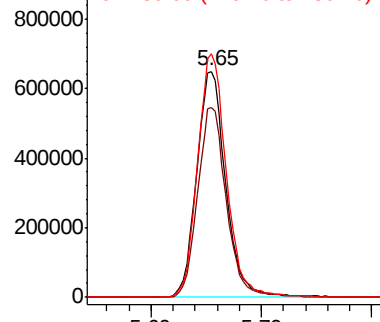
130 107.3 54.9 164.7



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: 0.086 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL035757.D

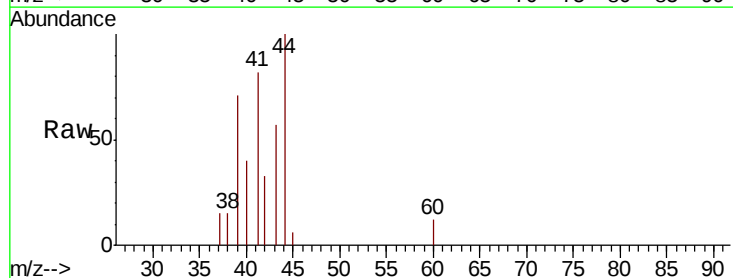
Acq: 12 Oct 2020 11:22

Tgt Ion: 41 Resp: 3980

Ion Ratio Lower Upper

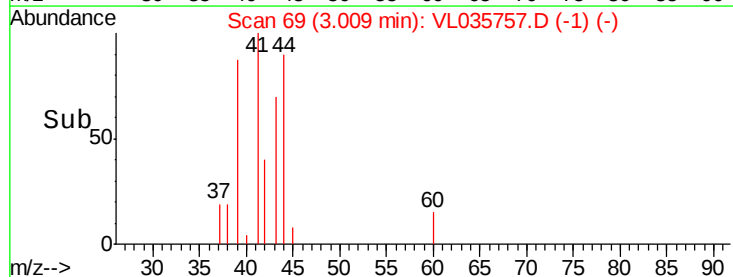
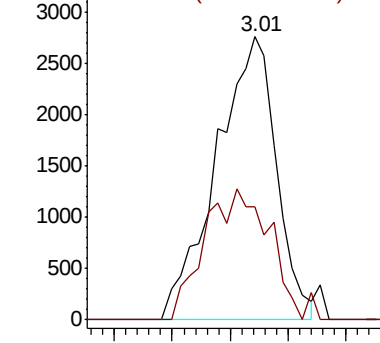
41 100

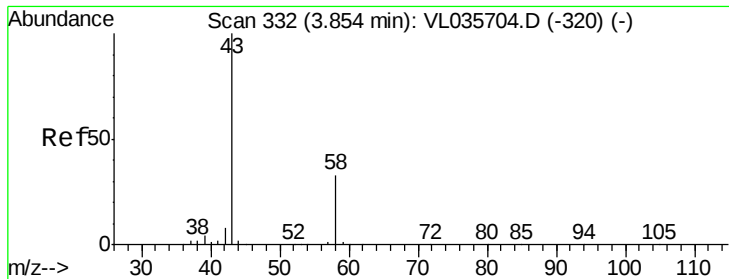
42 51.1 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.287 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL035757.D

Acq: 12 Oct 2020 11:22

Instrument :

MSVOA_L

ClientSampleId :

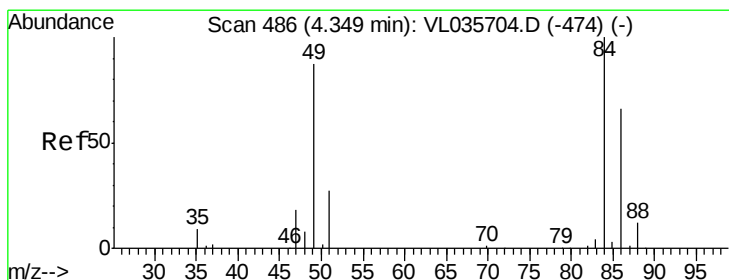
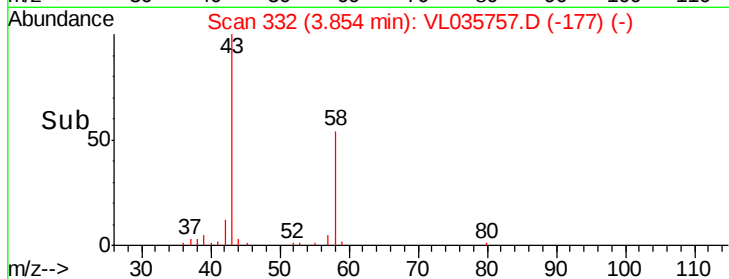
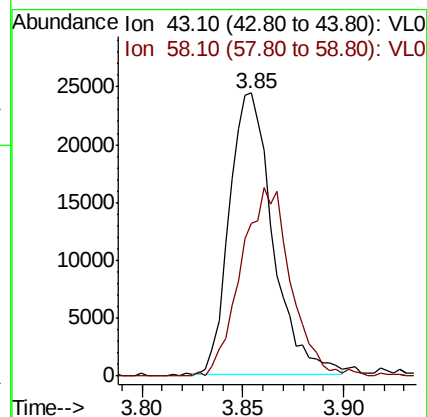
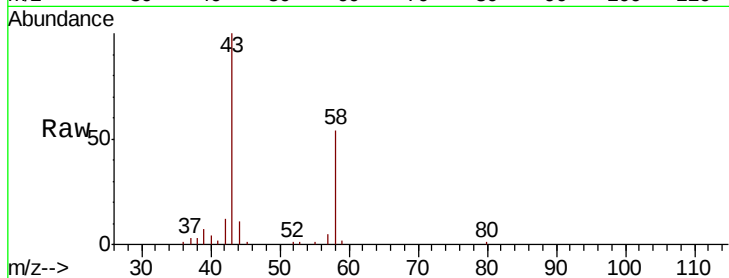
VL1012ABL01

Tot Ion: 43 Resp: 36576

Ion Ratio Lower Upper

43 100

58 77.2 27.3 40.9#



#20

Methylene Chloride

Concen: 0.273 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL035757.D

Acq: 12 Oct 2020 11:22

Tgt Ion: 84 Resp: 25582

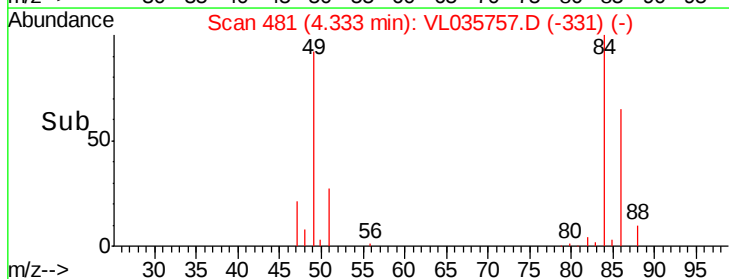
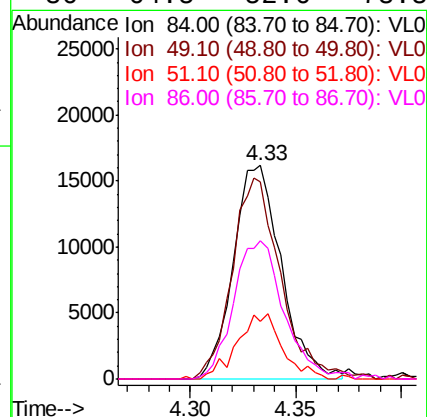
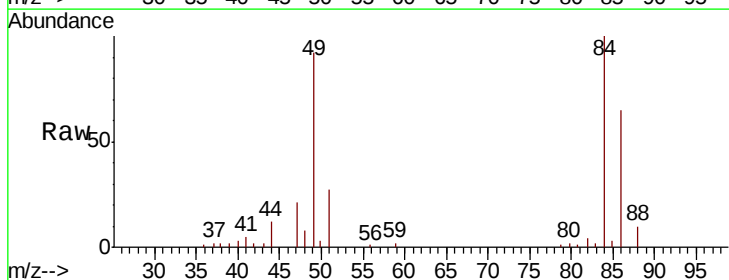
Ion Ratio Lower Upper

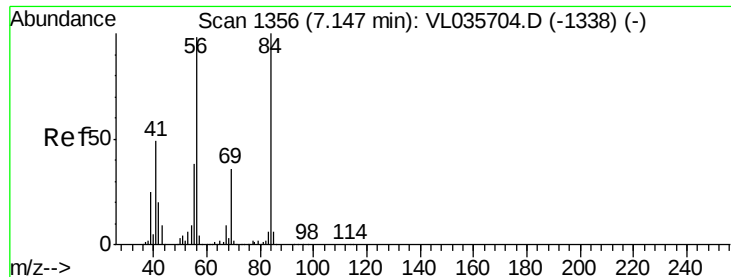
84 100

49 92.1 69.8 104.6

51 26.7 21.8 32.8

86 64.5 52.6 78.8

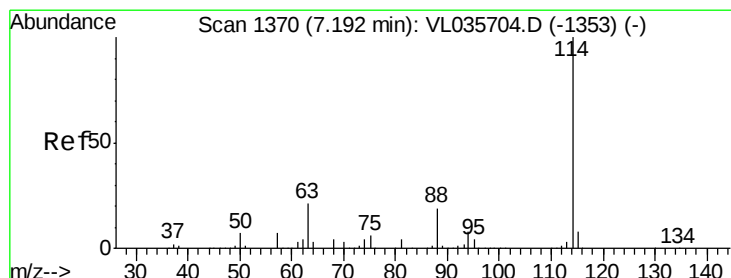
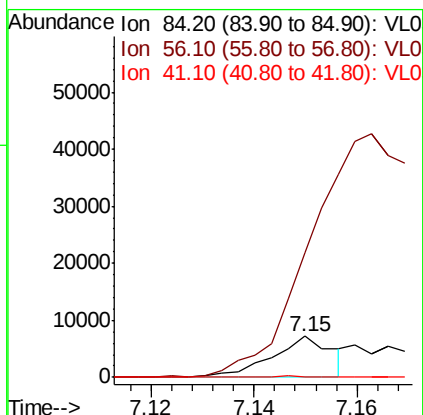
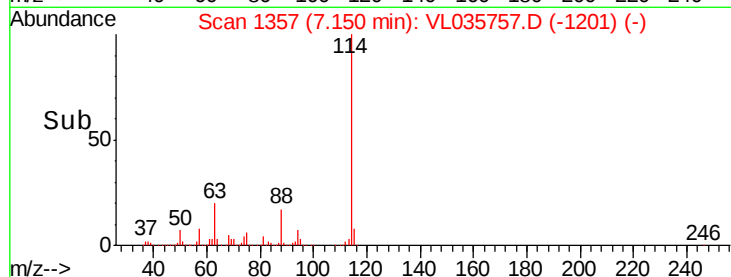
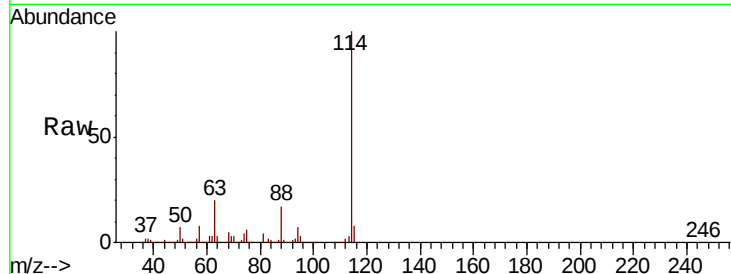




#30
Cvclohexane
Concen: 0.047 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL035757.D
Acq: 12 Oct 2020 11:22

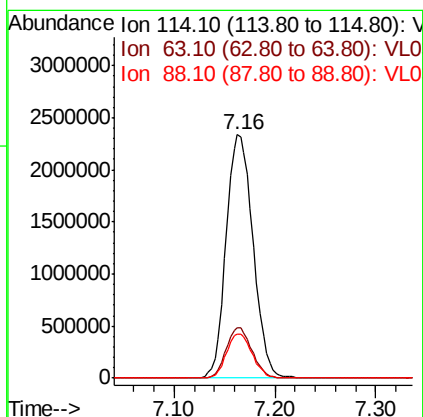
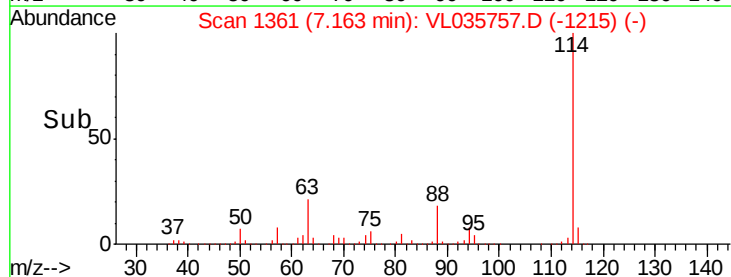
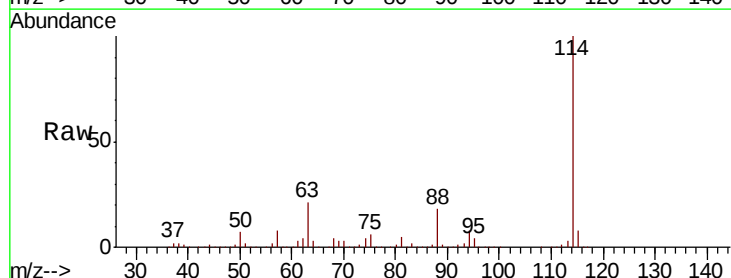
Instrument :
MSVOA_L
ClientSampleId :
VL1012ABL01

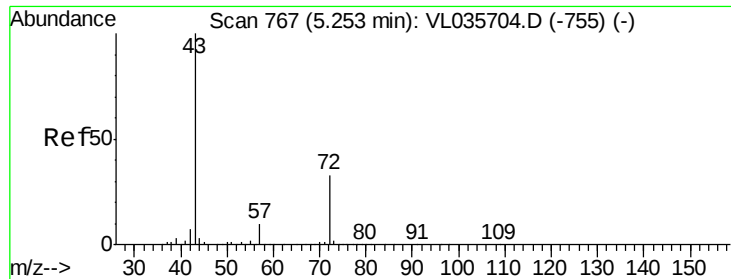
Tot Ion: 84 Resp: 5813
Ion Ratio Lower Upper
84 100
56 0.0 84.6 127.0#
41 0.0 41.1 61.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.03 min
Lab File: VL035757.D
Acq: 12 Oct 2020 11:22

Tgt Ion:114 Resp: 4361386
Ion Ratio Lower Upper
114 100
63 19.9 16.1 24.1
88 17.4 14.1 21.1

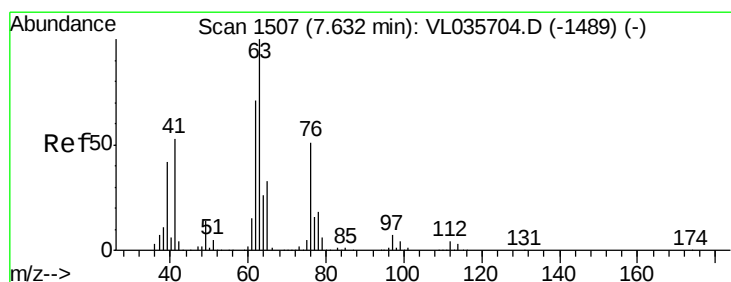
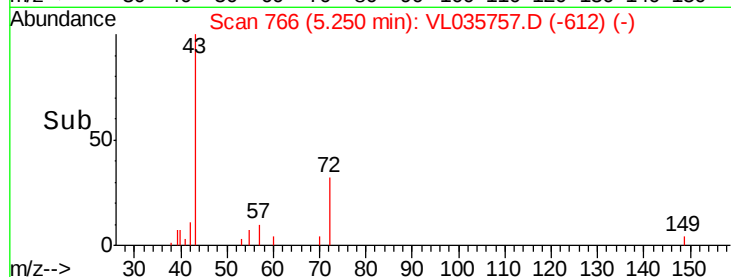
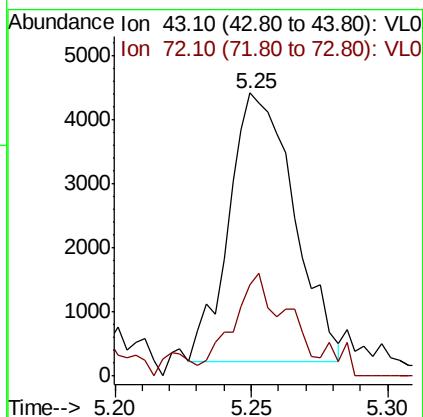
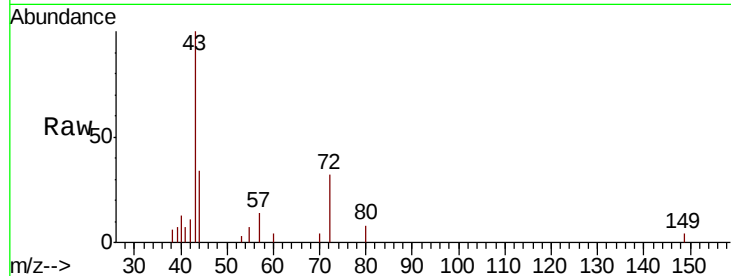




#34
 2-Butanone
 Concen: 0.048 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL035757.D
 Acq: 12 Oct 2020 11:22

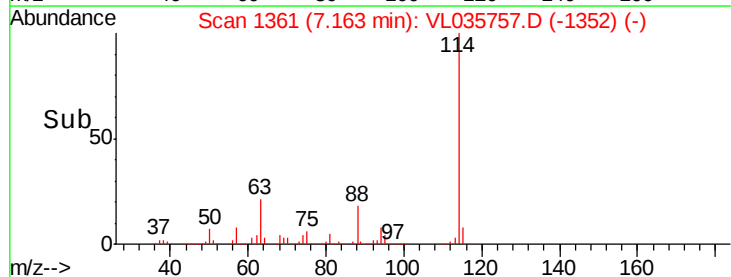
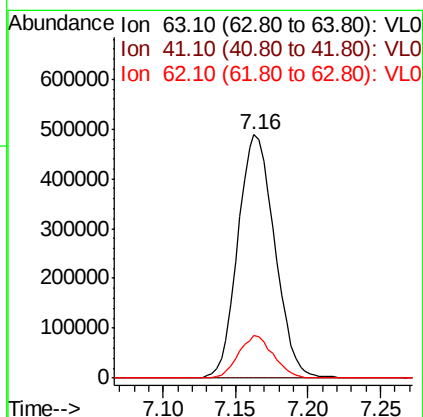
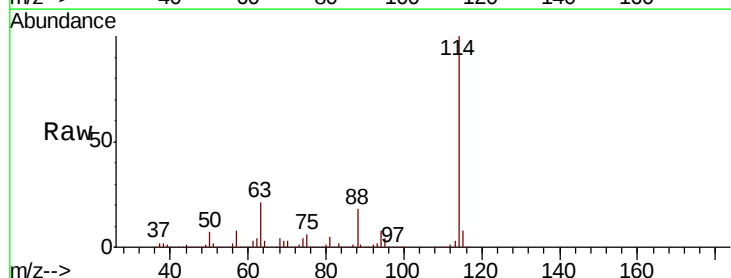
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABL01

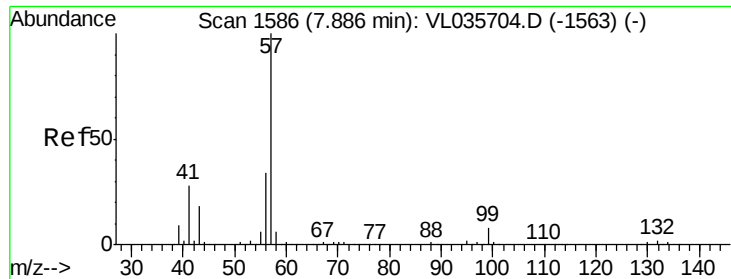
Tot Ion: 43 Resp: 6970
 Ion Ratio Lower Upper
 43 100
 72 36.3 26.1 39.1



#39
 1,2-Dichloropropane
 Concen: 8.377 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.47 min
 Lab File: VL035757.D
 Acq: 12 Oct 2020 11:22

Tgt Ion: 63 Resp: 862853
 Ion Ratio Lower Upper
 63 100
 41 0.0 42.6 63.8#
 62 17.2 56.5 84.7#

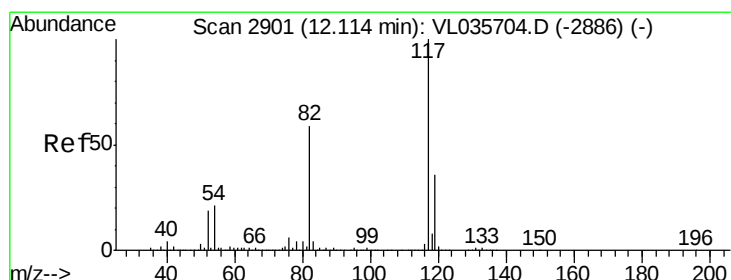
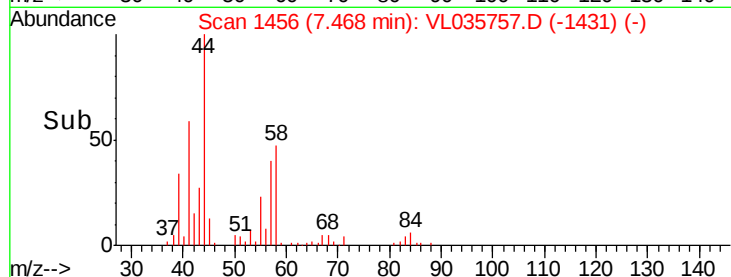
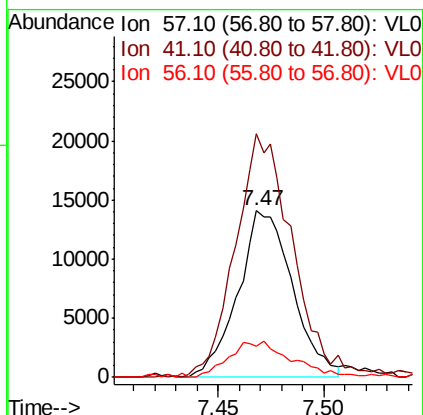
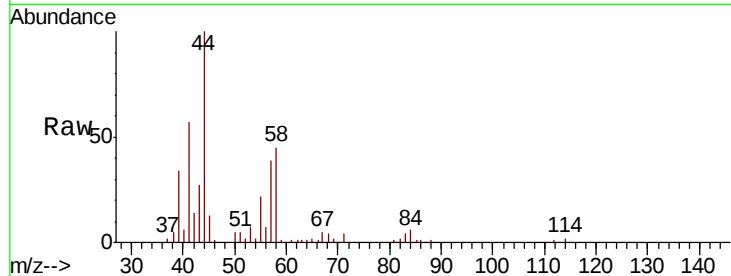




#44
 2,2,4-Trimethylpentane
 Concen: 0.062 ppbv
 RT: 7.47 min Scan# 1456
 Delta R.T. -0.42 min
 Lab File: VL035757.D
 Acq: 12 Oct 2020 11:22

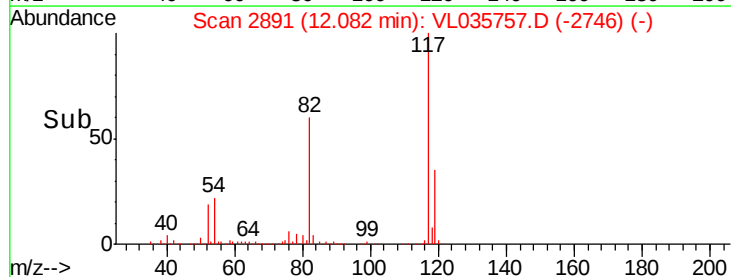
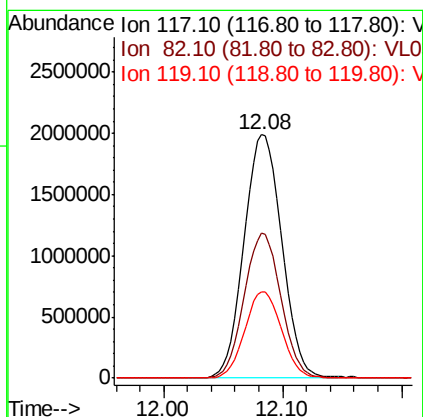
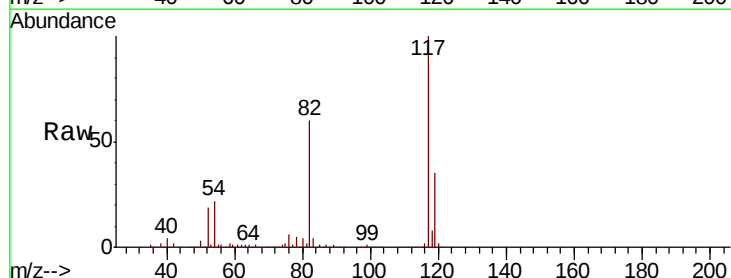
Instrument :
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 ClientSampleId :
 VL1012ABL01

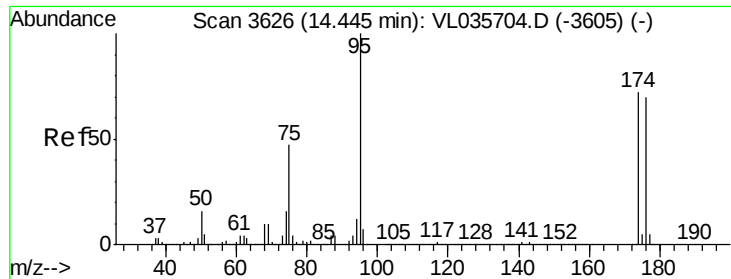
Tot Ion: 57 Resp: 25329
 Ion Ratio Lower Upper
 57 100
 41 156.8 21.2 31.8#
 56 26.3 25.8 38.8



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2891
 Delta R.T. -0.03 min
 Lab File: VL035757.D
 Acq: 12 Oct 2020 11:22

Tgt Ion: 117 Resp: 4385683
 Ion Ratio Lower Upper
 117 100
 82 58.3 46.1 69.1
 119 34.7 28.0 42.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.868 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.03 min

Lab File: VL035757.D

Acq: 12 Oct 2020 11:22

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABL01

Tot Ion: 95 Resp: 3243131

Ion Ratio Lower Upper

95 100

174 77.4 59.6 89.4

175 5.5 4.2 6.4

