

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035619.D
 Acq On : 15 Sep 2020 3:57
 Operator : SY/AP
 Sample : L3983-06DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-11DL

Quant Time: Sep 15 06:45:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	914822	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	3902385	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3926285	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2880014	10.33	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

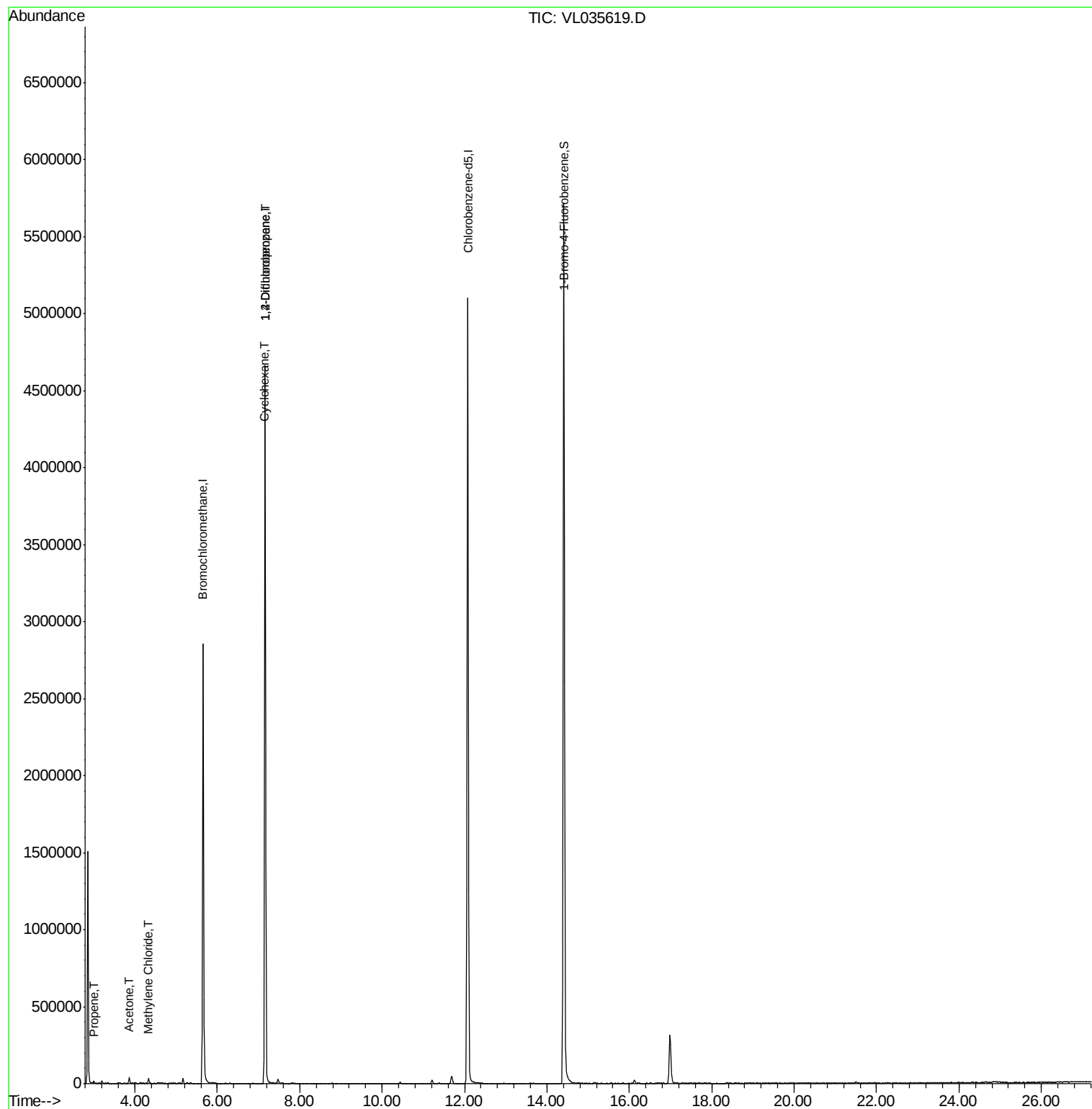
Target Compounds					Ovalue
9) Propene	3.00	41	3345	0.086 ppbv	94
15) Acetone	3.85	43	29601	0.293 ppbv #	54
20) Methylene Chloride	4.33	84	14276	0.190 ppbv	94
30) Cyclohexane	7.14	84	3423	0.032 ppbv #	9
39) 1,2-Dichloropropane	7.16	63	704604	8.257 ppbv #	32

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL035619.D

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Instrument :

MSVOA_L

ClientSampleId :

SV-11DL

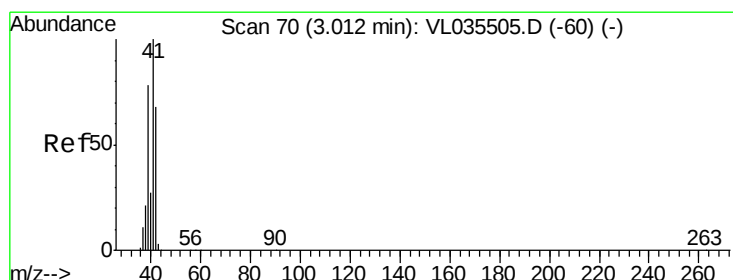
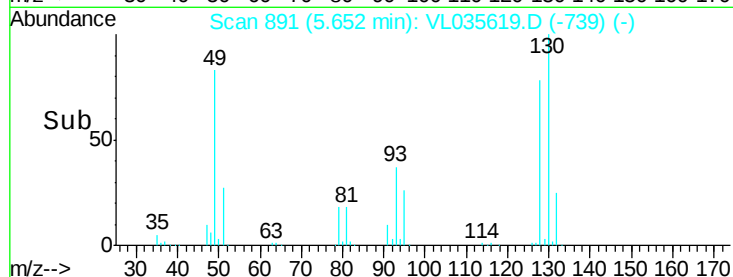
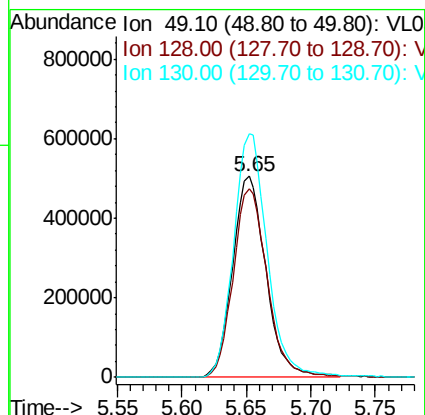
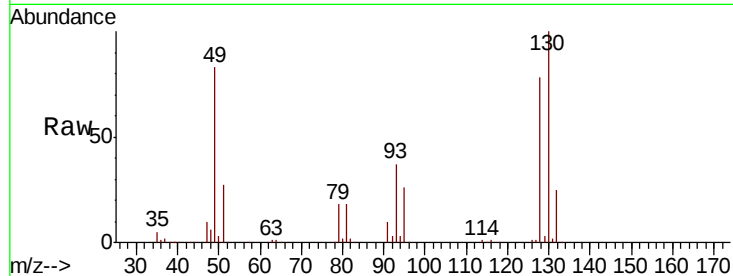
Tot Ion: 49 Resp: 914822

Ion Ratio Lower Upper

49 100

128 95.8 50.0 150.1

130 122.9 64.4 193.2



#9

Propene

Concen: 0.086 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL035619.D

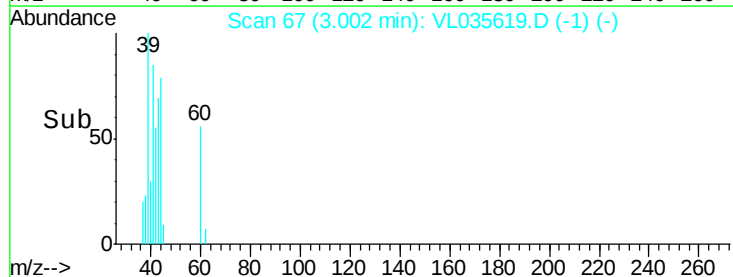
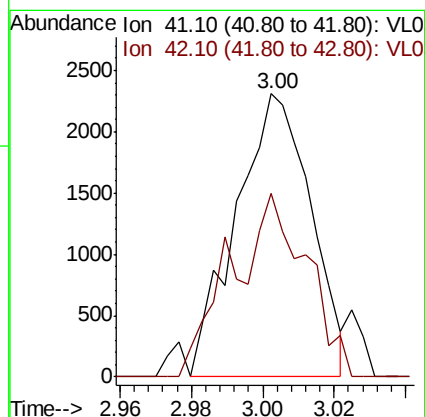
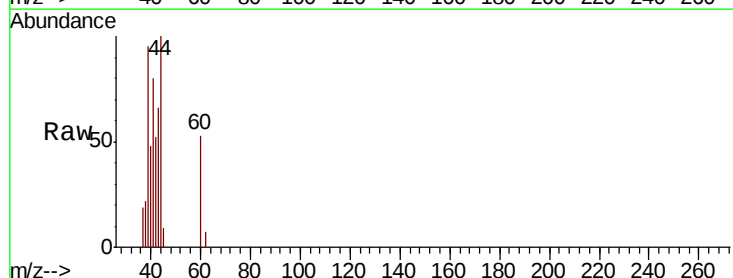
Acq: 15 Sep 2020 3:57

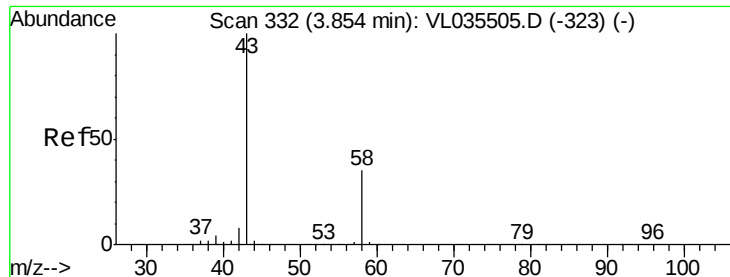
Tgt Ion: 41 Resp: 3345

Ion Ratio Lower Upper

41 100

42 65.4 56.3 84.5





#15

Acetone

Concen: 0.293 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL035619.D

Acq: 15 Sep 2020 3:57

Instrument :

MSVOA_L

ClientSampleId :

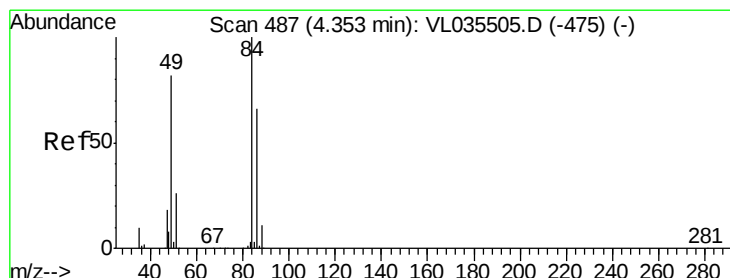
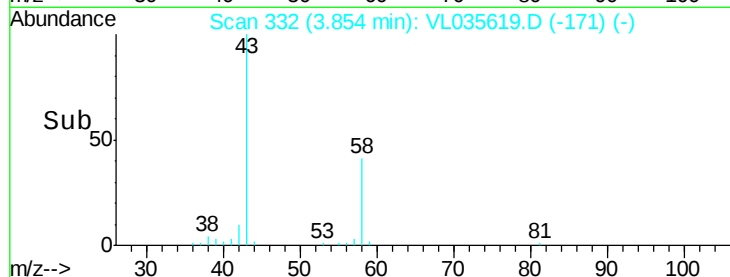
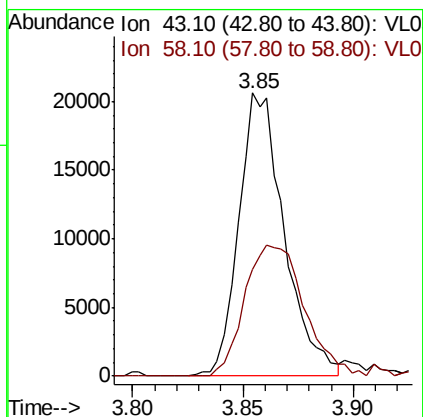
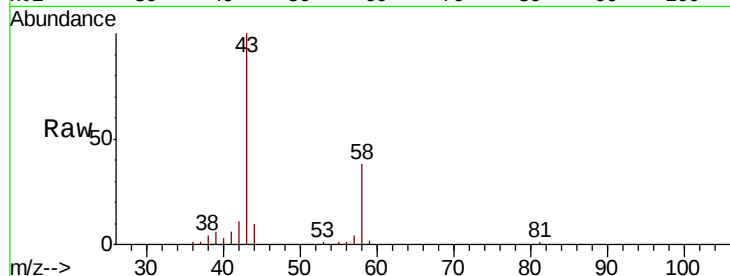
SV-11DL

Tot Ion: 43 Resp: 29601

Ion Ratio Lower Upper

43 100

58 62.2 28.4 42.6#



#20

Methylene Chloride

Concen: 0.190 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL035619.D

Acq: 15 Sep 2020 3:57

Tgt Ion: 84 Resp: 14276

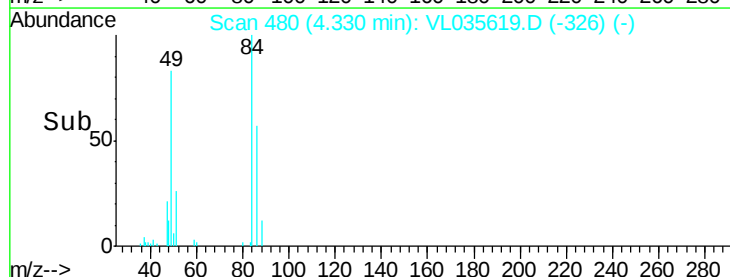
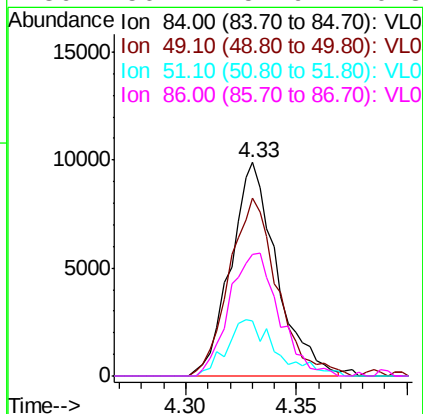
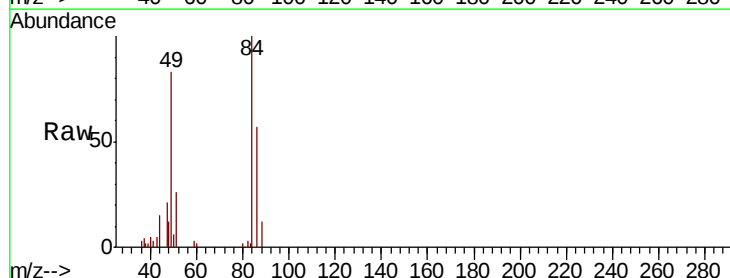
Ion Ratio Lower Upper

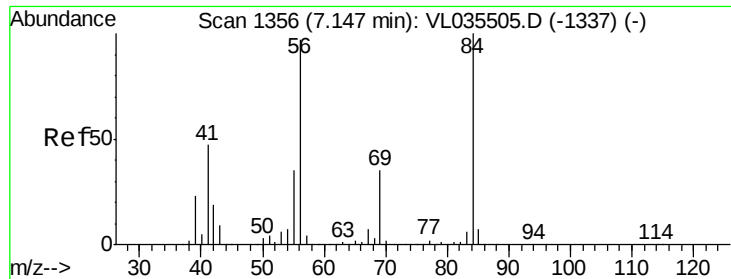
84 100

49 83.3 65.4 98.0

51 25.6 21.5 32.3

86 56.7 52.9 79.3

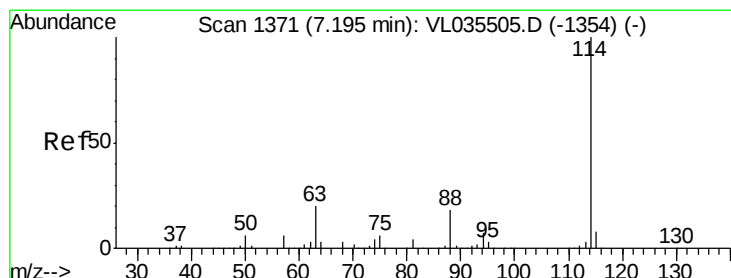
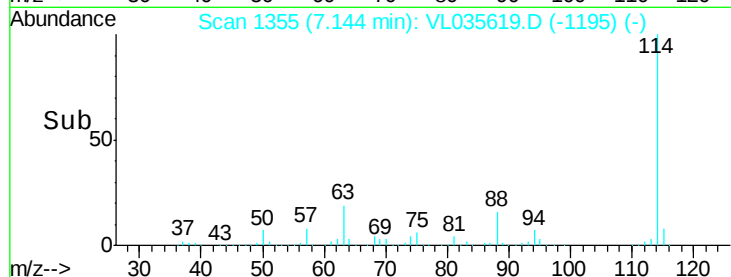
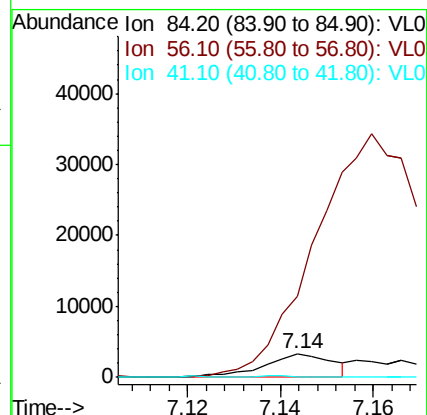
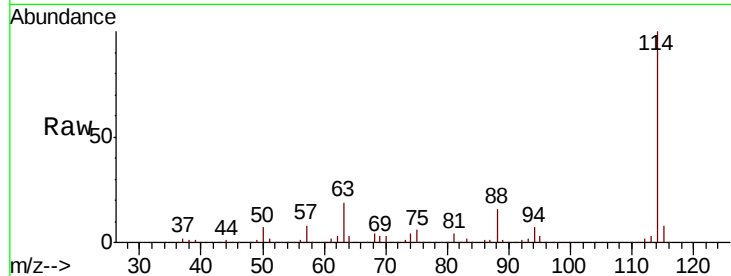




#30
Cyclohexane
Concen: 0.032 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL035619.D
Acq: 15 Sep 2020 3:57

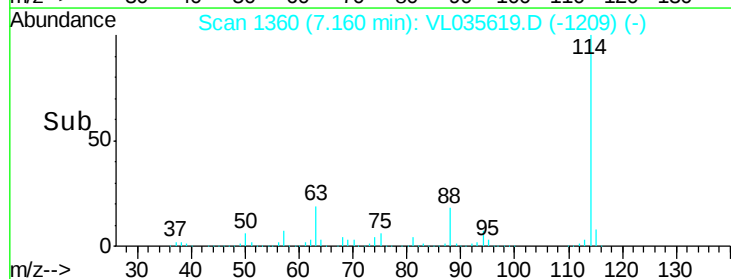
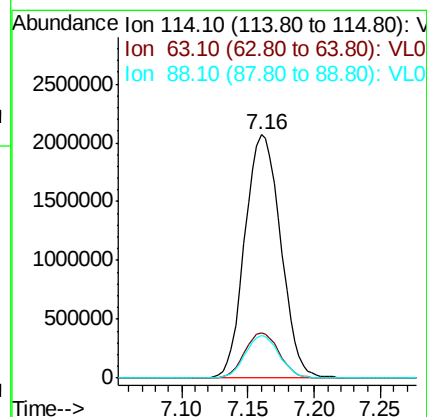
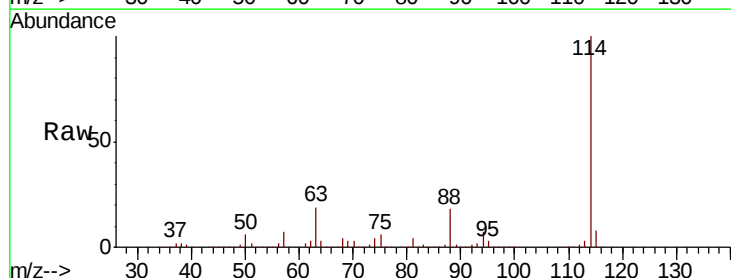
Instrument :
MSVOA_L
ClientSampleId :
SV-11DL

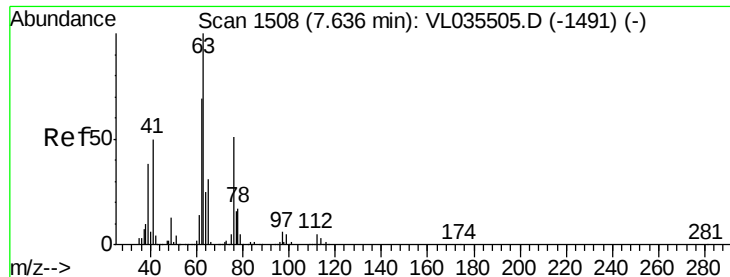
Tot Ion: 84 Resp: 3423
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 0.0 38.1 57.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL035619.D
Acq: 15 Sep 2020 3:57

Tgt Ion: 114 Resp: 3902385
Ion Ratio Lower Upper
114 100
63 18.1 14.7 22.1
88 16.7 13.4 20.2





#39

1,2-Dichloropropane

Concen: 8.257 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.45 min

Lab File: VL035619.D

Acq: 15 Sep 2020 3:57

Instrument :

MSVOA_L

ClientSampled :

SV-11DL

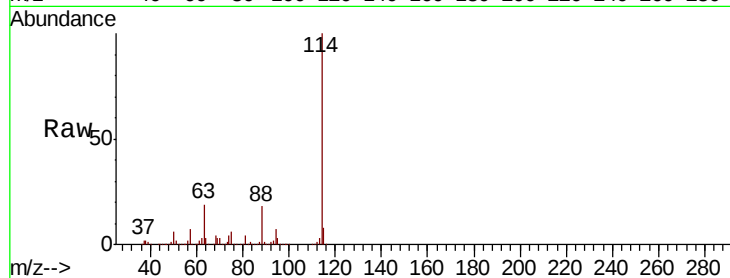
Tot Ion: 63 Resp: 704604

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

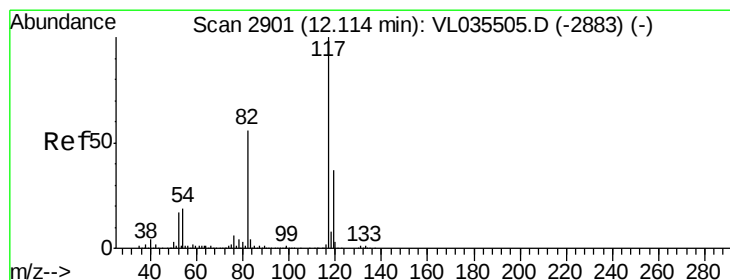
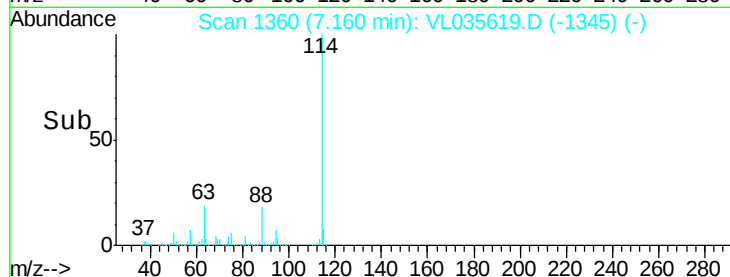
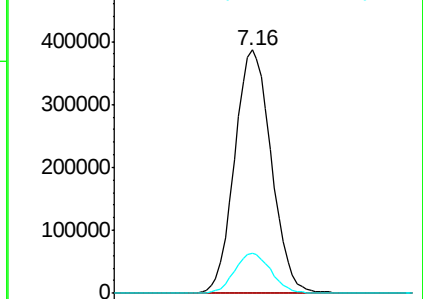
62 16.3 55.4 83.0#



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: 12.08 min Scan# 2890

Delta R.T. -0.02 min

Lab File: VL035619.D

Acq: 15 Sep 2020 3:57

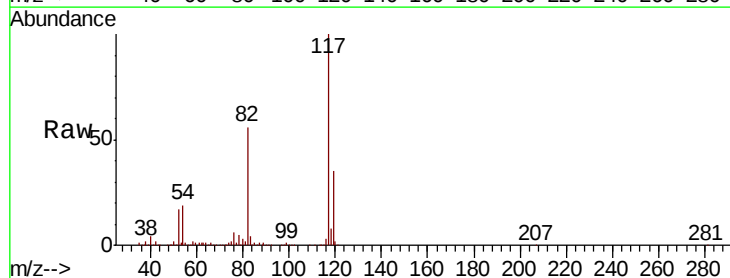
Tgt Ion: 117 Resp: 3926285

Ion Ratio Lower Upper

117 100

82 54.7 41.6 62.4

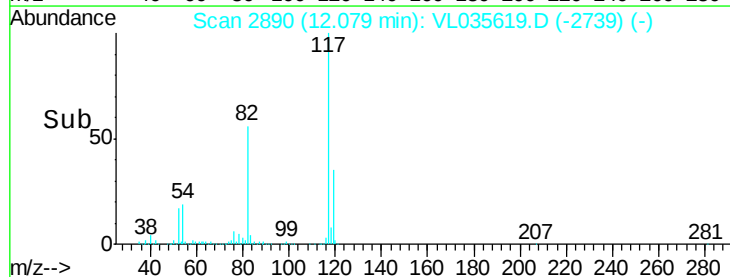
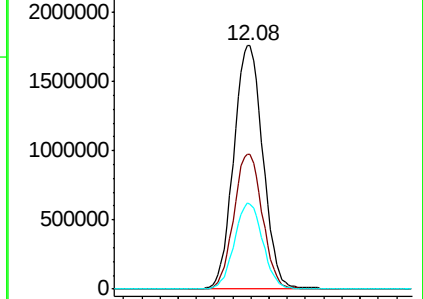
119 34.4 29.3 43.9

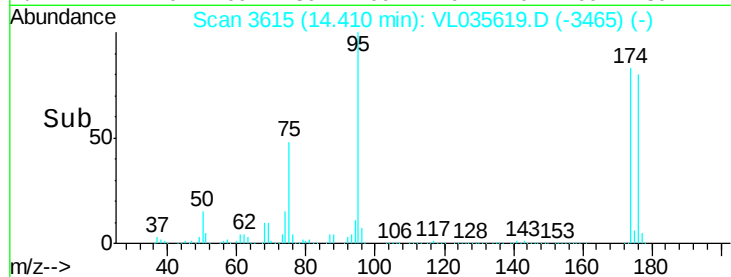
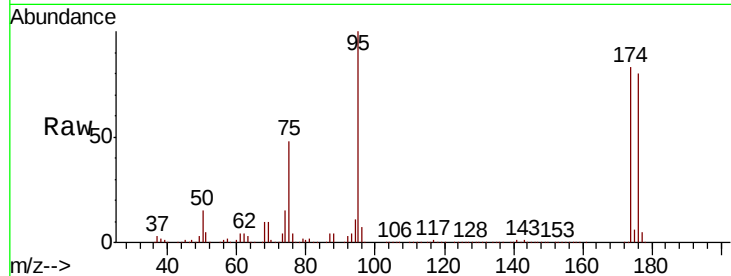
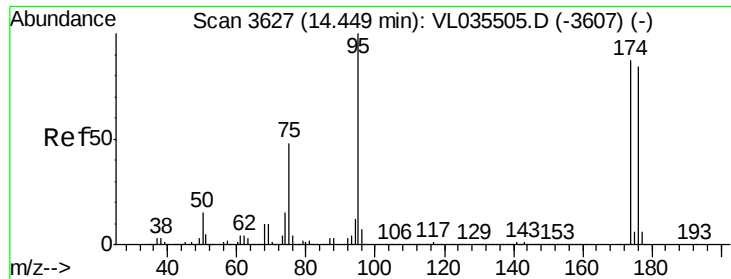


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.329 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.02 min

Lab File: VL035619.D

Acq: 15 Sep 2020 3:57

Instrument :

MSVOA_L

ClientSampleId :

SV-11DL

Tot Ion: 95 Resp: 2880014

Ion Ratio Lower Upper

95 100

174 83.0 69.6 104.4

175 5.9 5.1 7.7

