

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
 Data File : VL036466.D
 Acq On : 24 Mar 2021 13:24
 Operator :
 Sample : OC030821 CAN 10725
 Misc : 400 mL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 25 07:18:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1521450	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3501474	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3312046	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2666010	9.79	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

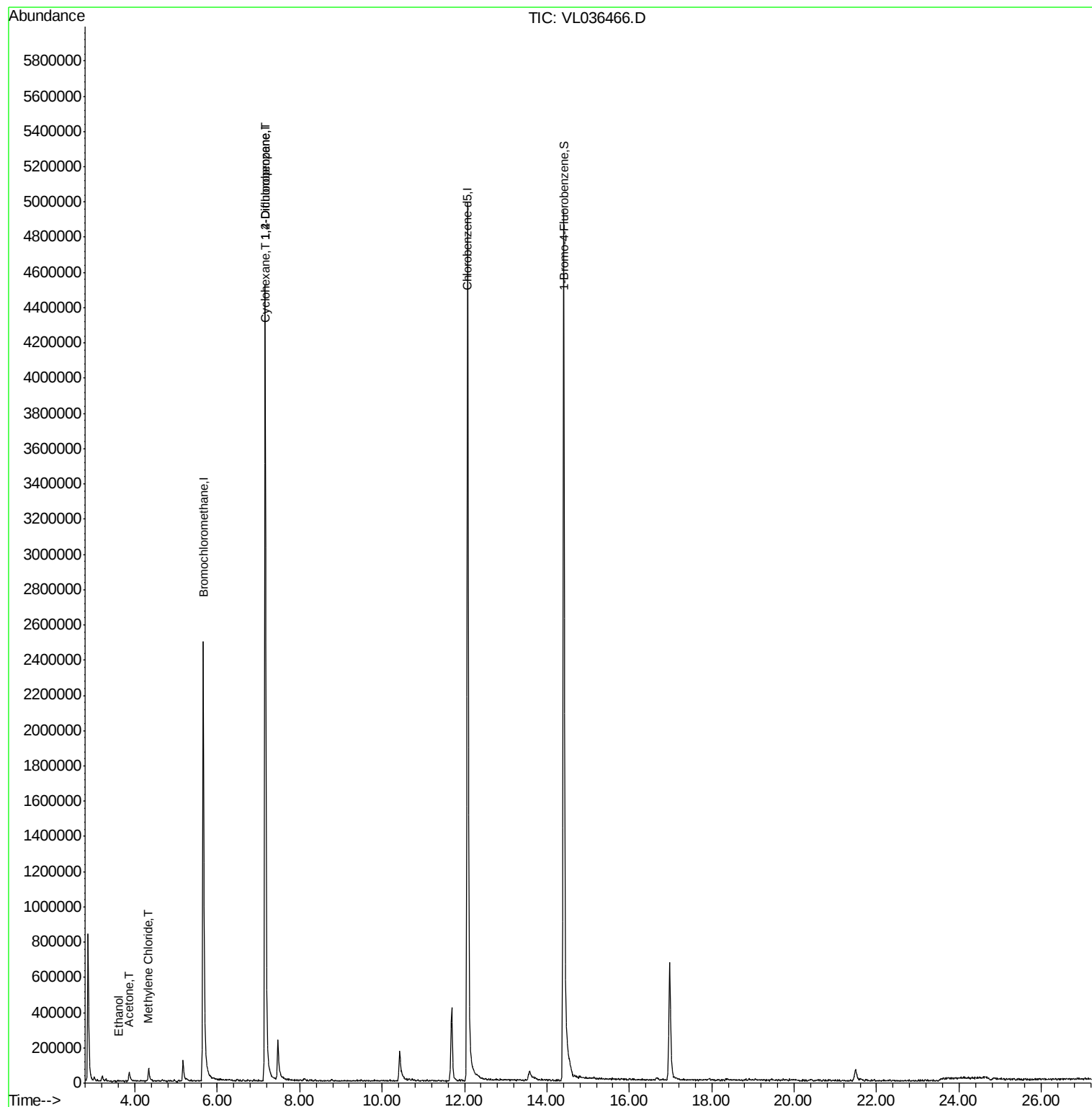
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	950	0.079	ppbv #	1
15) Acetone	3.85	43	29837	0.172	ppbv #	49
20) Methylene Chloride	4.34	84	14886	0.254	ppbv	93
30) Cyclohexane	7.15	84	3602	0.032	ppbv #	4
39) 1,2-Dichloropropane	7.16	63	983937	8.516	ppbv #	22

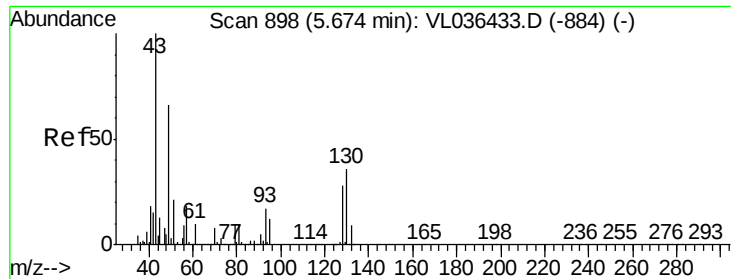
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 13:24

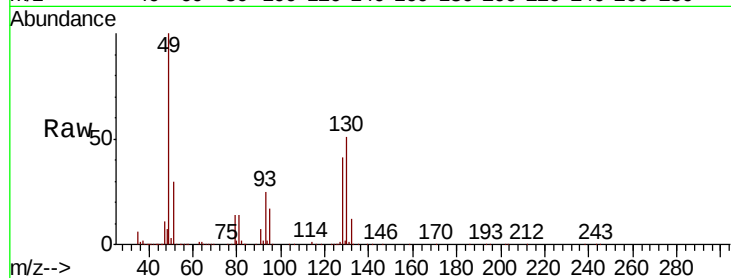
Tot Ion: 49 Resp: 1521450

Ion Ratio Lower Upper

49 100

128 45.0 22.4 67.2

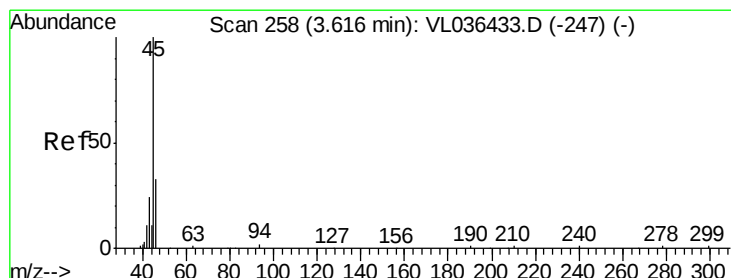
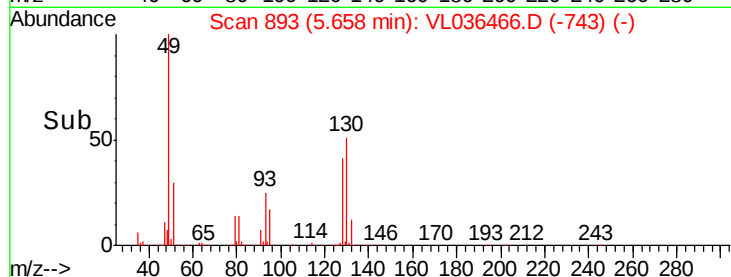
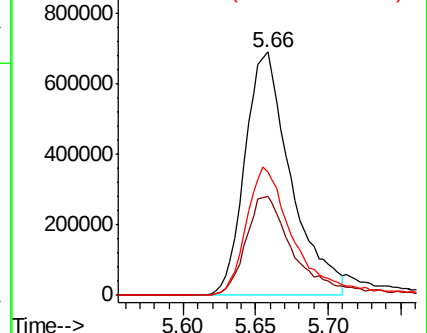
130 56.4 28.0 84.0



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



#13

Ethanol

Concen: 0.079 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.01 min

Lab File: VL036466.D

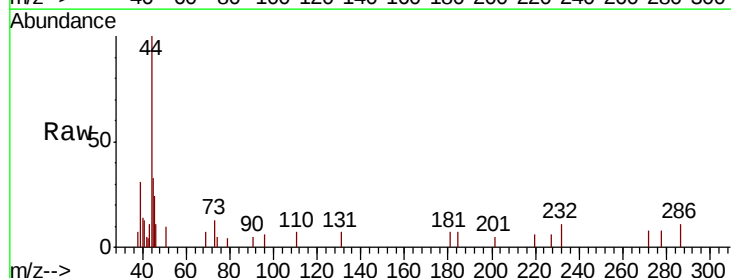
Acq: 24 Mar 2021 13:24

Tgt Ion: 45 Resp: 950

Ion Ratio Lower Upper

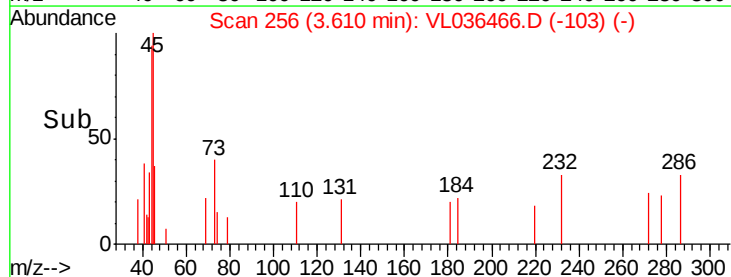
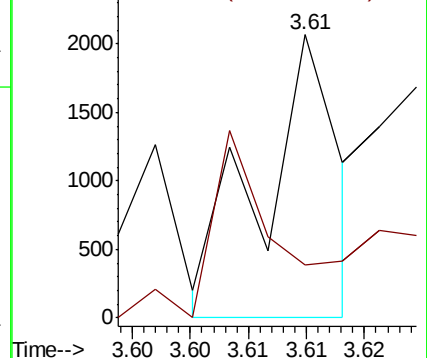
45 100

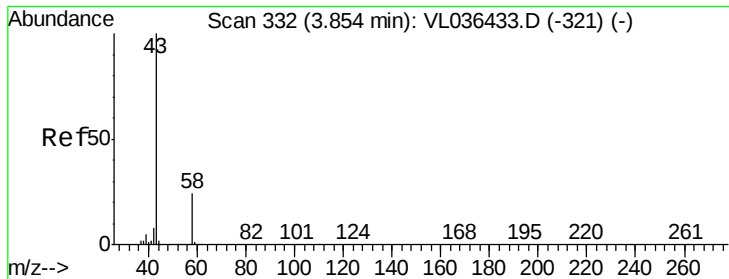
46 164.3 16.8 67.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.172 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

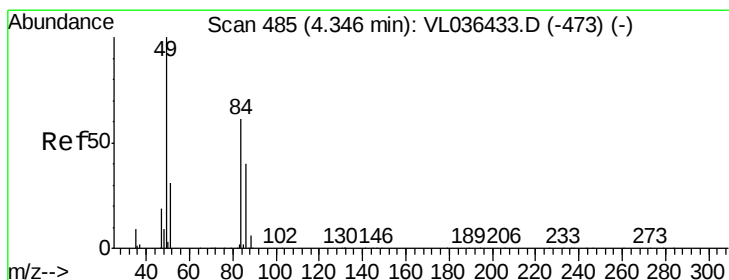
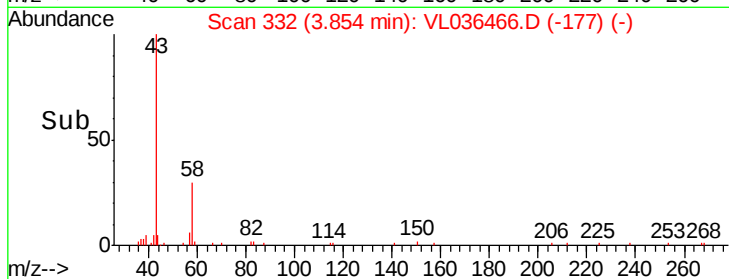
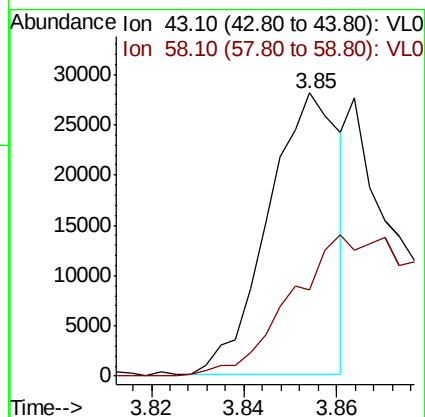
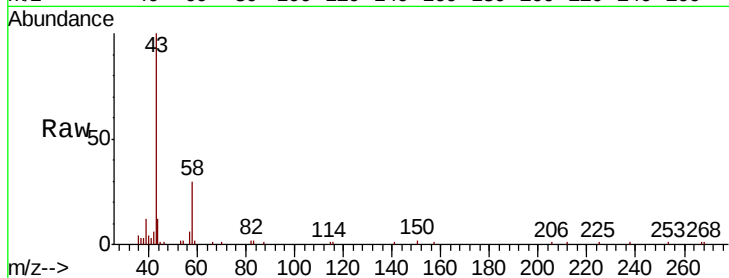
Acq: 24 Mar 2021 13:24

Tot Ion: 43 Resp: 29837

Ion Ratio Lower Upper

43 100

58 0.0 21.0 31.6#



#20

Methylene Chloride

Concen: 0.254 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL036466.D

Acq: 24 Mar 2021 13:24

Tgt Ion: 84 Resp: 14886

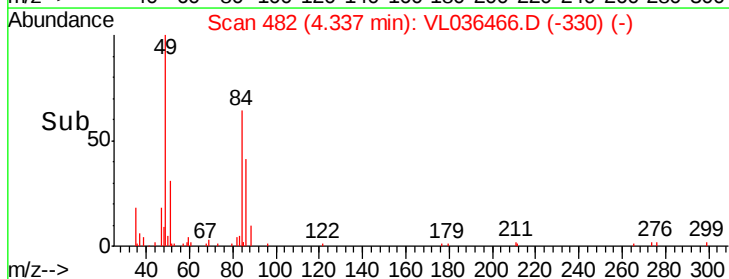
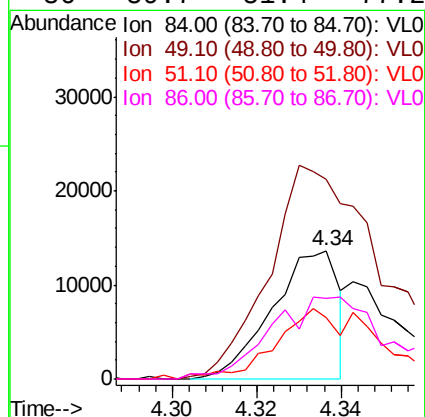
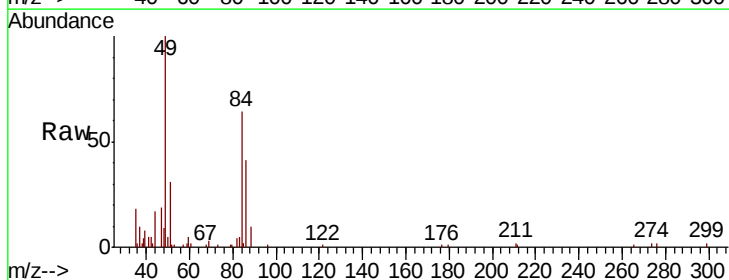
Ion Ratio Lower Upper

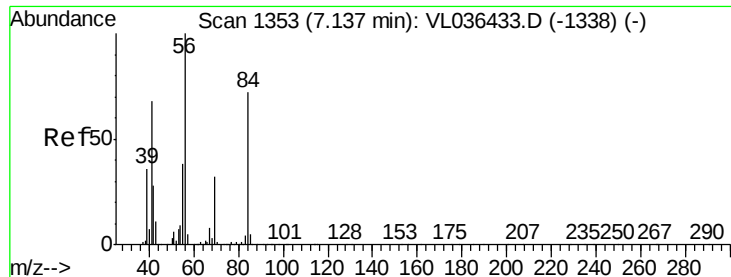
84 100

49 154.0 130.2 195.2

51 45.4 40.5 60.7

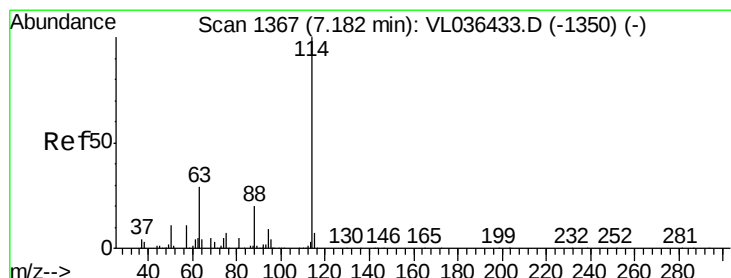
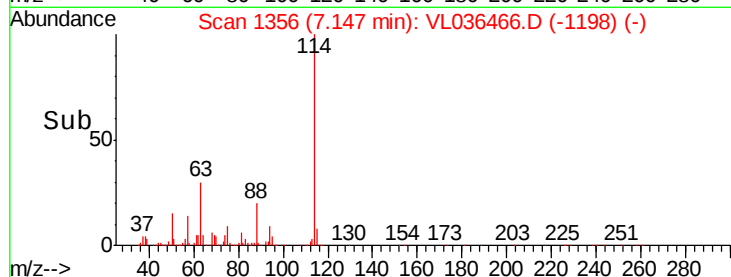
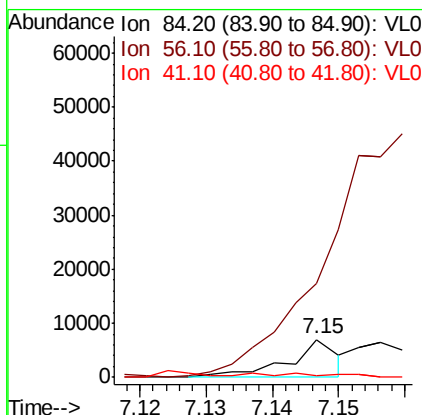
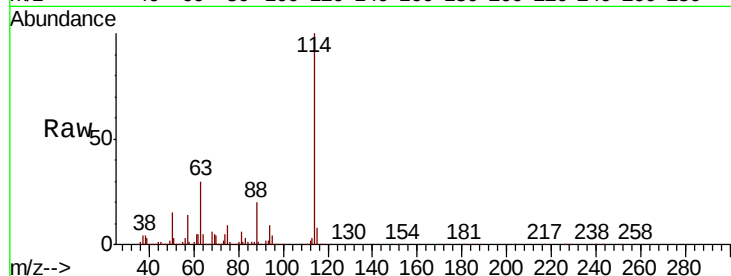
86 59.7 51.4 77.2





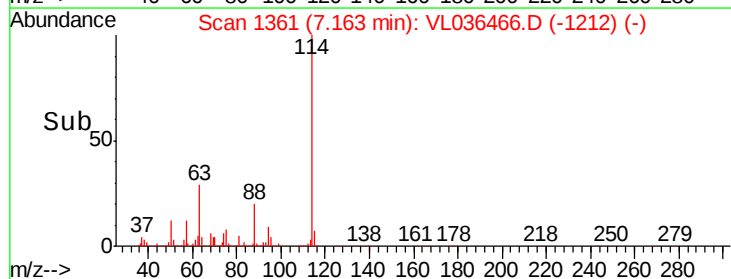
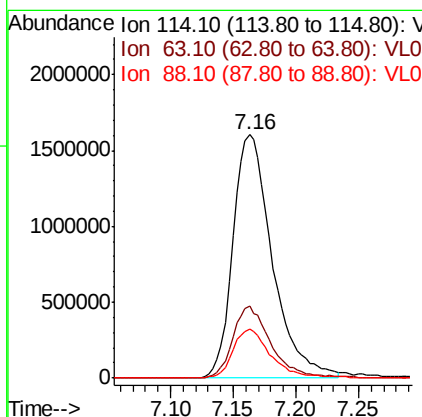
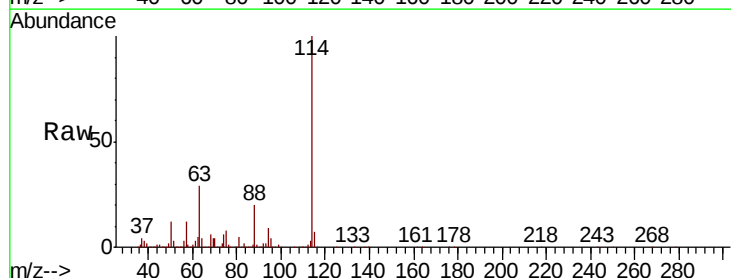
#30
Cvclohexane
Concen: 0.032 ppbv
RT: 7.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2021 13:24

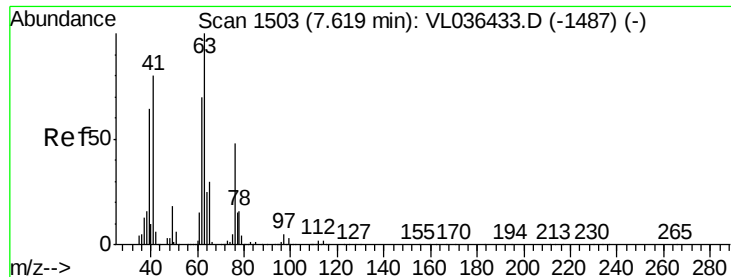
Tot Ion: 84 Resp: 3602
Ion Ratio Lower Upper
84 100
56 0.0 117.6 176.4#
41 32.6 75.9 113.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.02 min
Lab File: VL036466.D
Acq: 24 Mar 2021 13:24

Tgt Ion: 114 Resp: 3501474
Ion Ratio Lower Upper
114 100
63 28.9 23.3 34.9
88 20.0 15.6 23.4





#39

1,2-Dichloropropane

Concen: 8.516 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 13:24

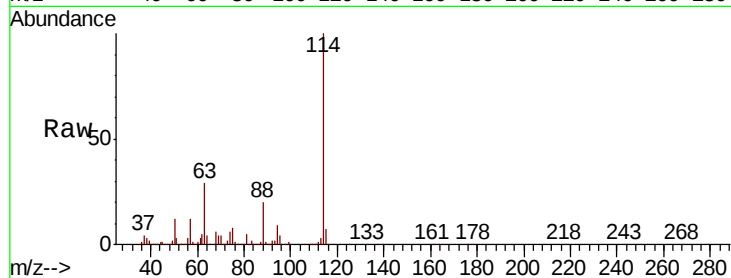
Tot Ion: 63 Resp: 983937

Ion Ratio Lower Upper

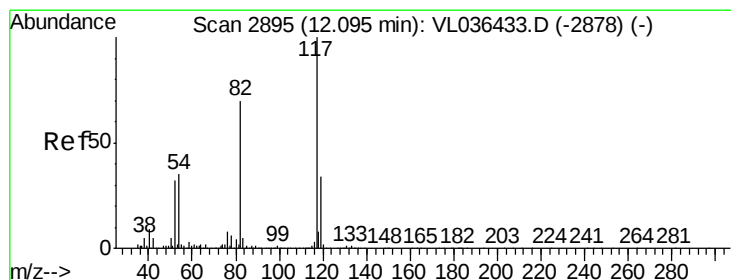
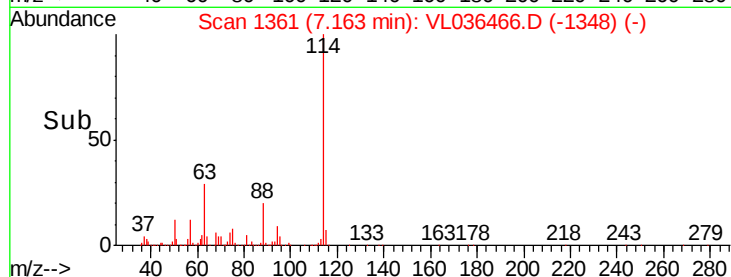
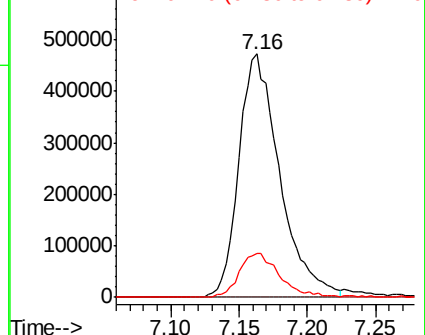
63 100

41 0.0 64.4 96.6#

62 18.2 55.7 83.5#



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# 2889

Delta R.T. -0.02 min

Lab File: VL036466.D

Acq: 24 Mar 2021 13:24

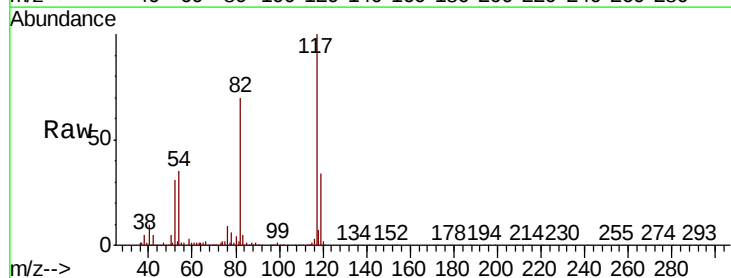
Tgt Ion: 117 Resp: 3312046

Ion Ratio Lower Upper

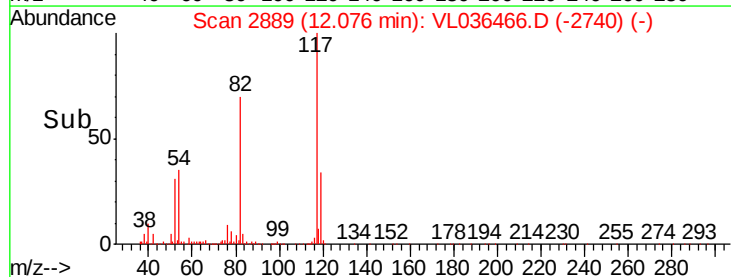
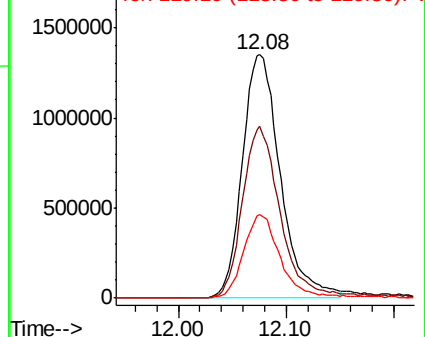
117 100

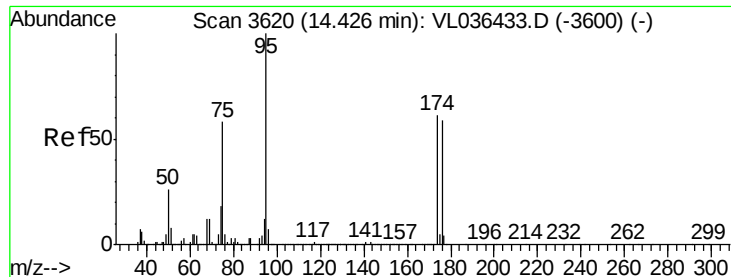
82 72.2 56.5 84.7

119 33.4 27.0 40.4



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: 9.788 ppbv

RT: 14.41 Instrument :

Delta R.T MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2021 13.24

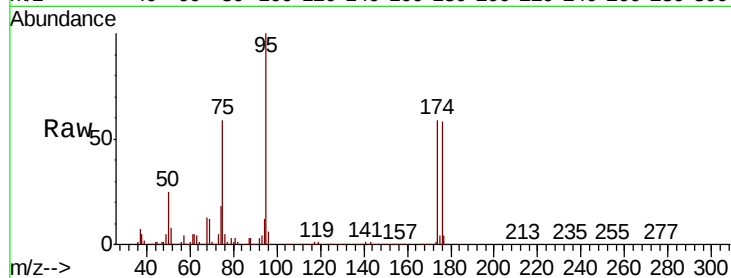
Tot Ion: 95 Resp: 2666010

Ion Ratio Lower Upper

95 100

174 64.6 51.0 76.4

175 4.7 3.8 5.6



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

