

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037631.D
 Acq On : 17 Sep 2021 1:20
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:30:02 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1468053	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	4387482	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3740960	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2561111	9.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.70%

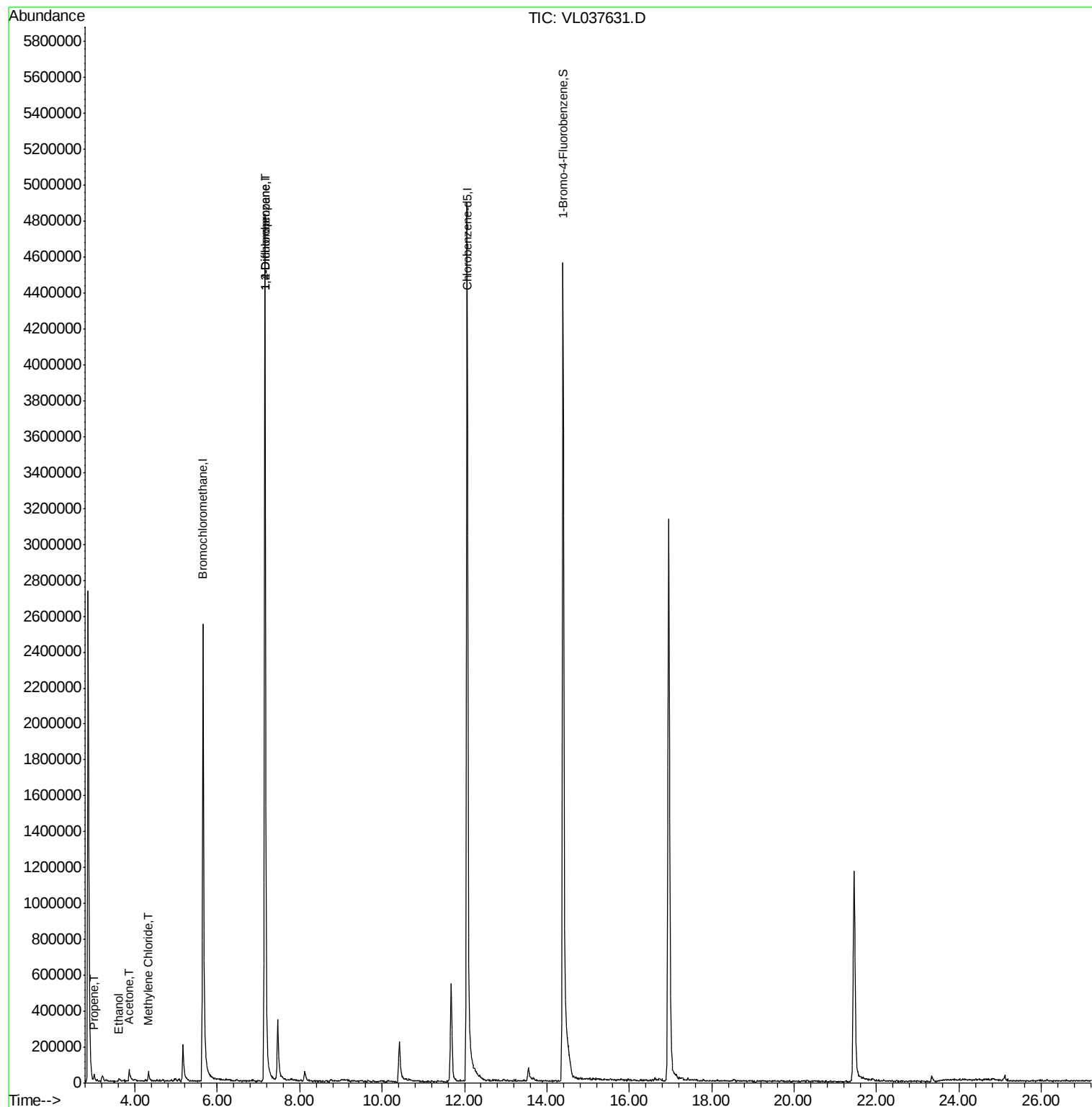
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	9268	0.095	ppbv #	14
13) Ethanol	3.61	45	12583	1.317	ppbv	87
15) Acetone	3.86	43	33162	0.217	ppbv #	1
20) Methylene Chloride	4.33	84	12198	0.168	ppbv #	84
39) 1,2-Dichloropropane	7.16	63	1038548	7.411	ppbv #	26

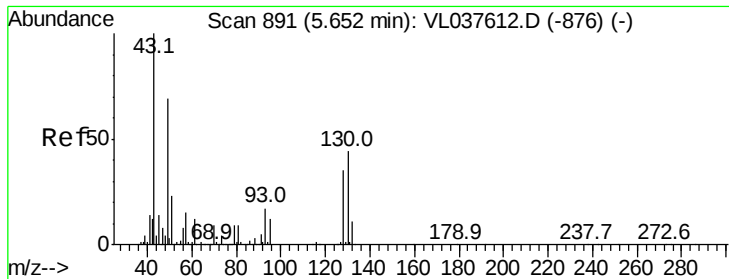
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037631.D

Acq: 17 Sep 2021 1:20

Instrument :

MSVOA_L

ClientSampleId :

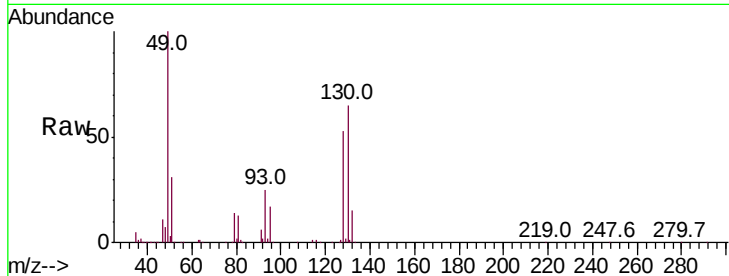
Tot Ion: 49 Resp: 1468053

Ion Ratio Lower Upper

49 100

128 55.6 27.9 83.6

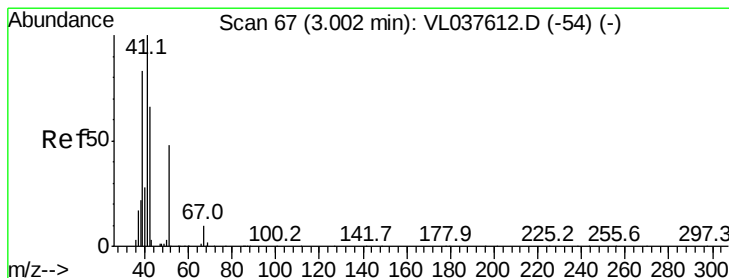
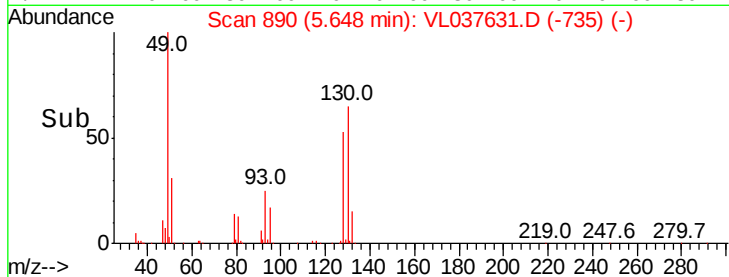
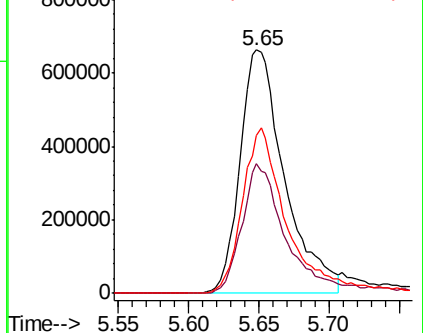
130 70.3 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.095 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037631.D

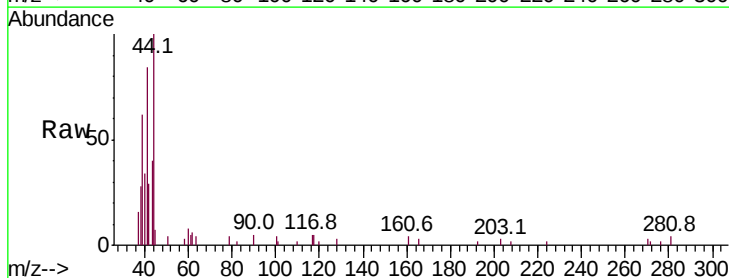
Acq: 17 Sep 2021 1:20

Tgt Ion: 41 Resp: 9268

Ion Ratio Lower Upper

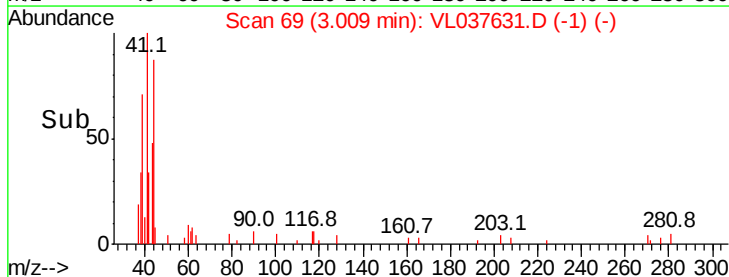
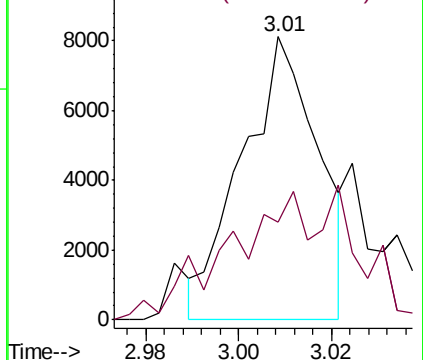
41 100

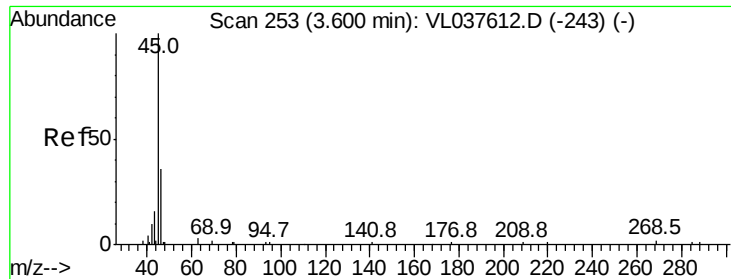
42 0.0 57.2 85.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 1.317 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037631.D

Acq: 17 Sep 2021 1:20

Instrument :

MSVOA_L

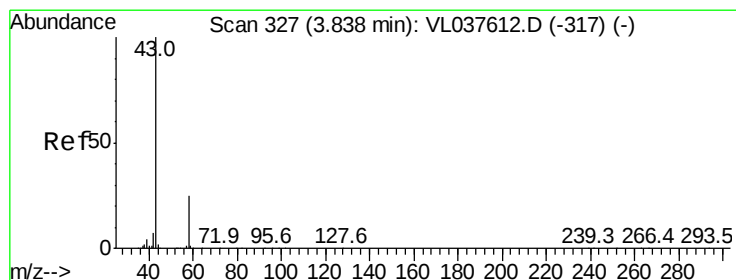
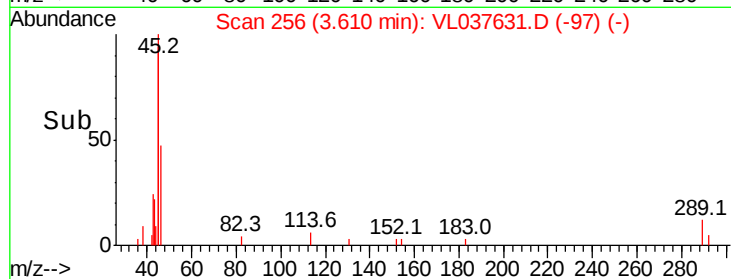
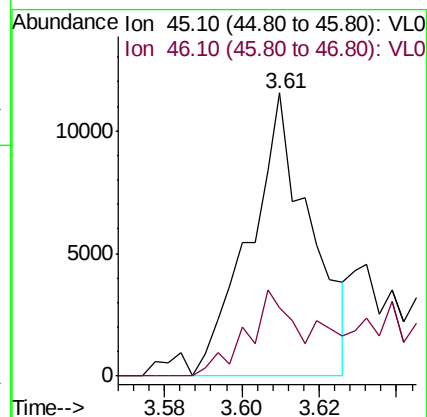
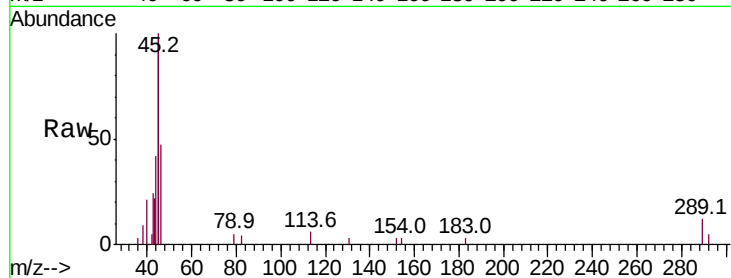
ClientSampleId :

Tot Ion: 45 Resp: 12583

Ion Ratio Lower Upper

45 100

46 34.7 17.2 68.8



#15

Acetone

Concen: 0.217 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037631.D

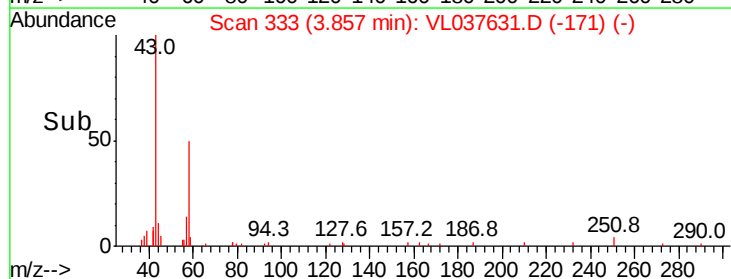
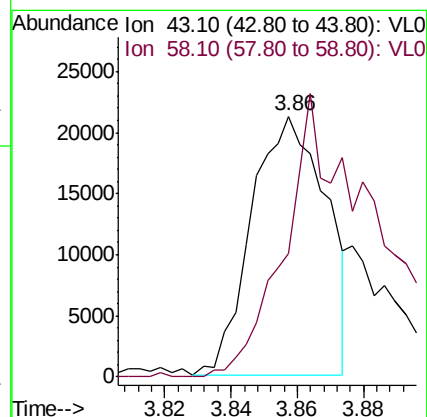
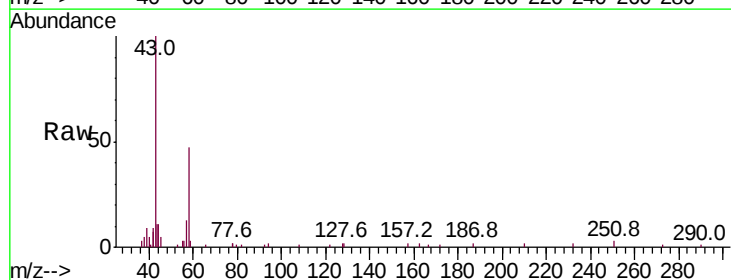
Acq: 17 Sep 2021 1:20

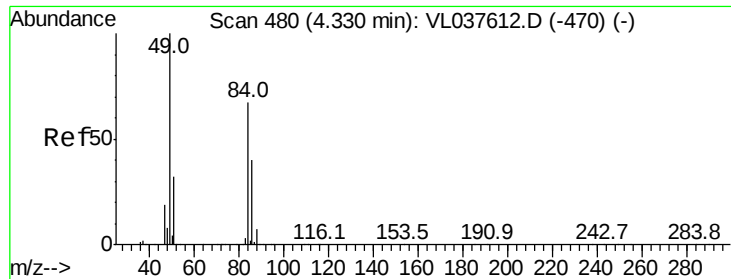
Tgt Ion: 43 Resp: 33162

Ion Ratio Lower Upper

43 100

58 161.4 24.9 37.3#

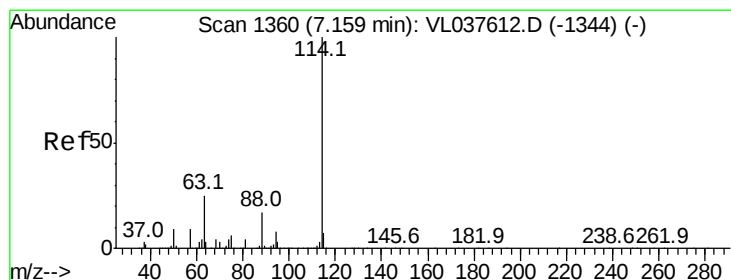
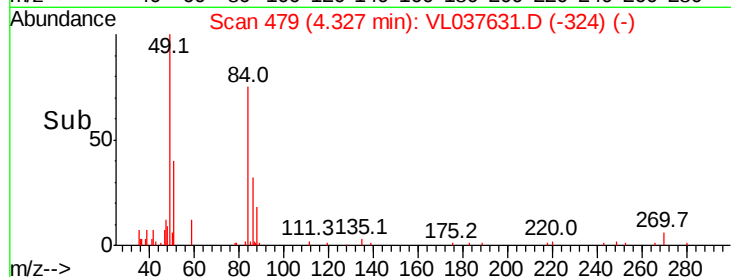
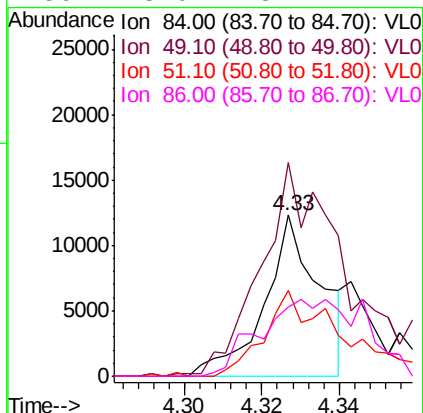
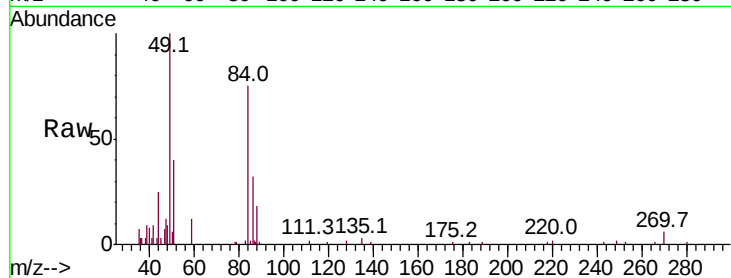




#20
Methylene Chloride
Concen: 0.168 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037631.D
Acq: 17 Sep 2021 1:20

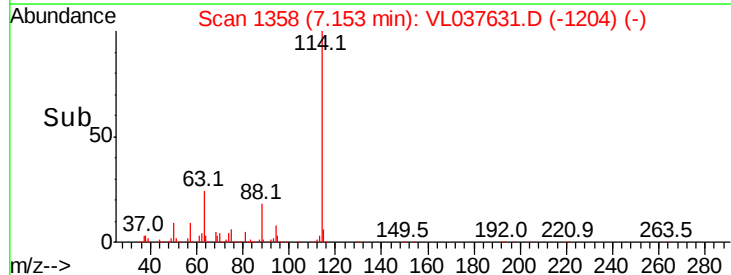
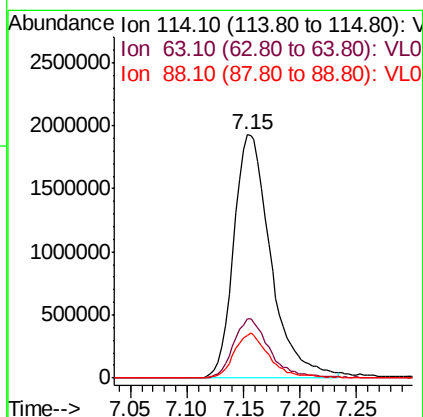
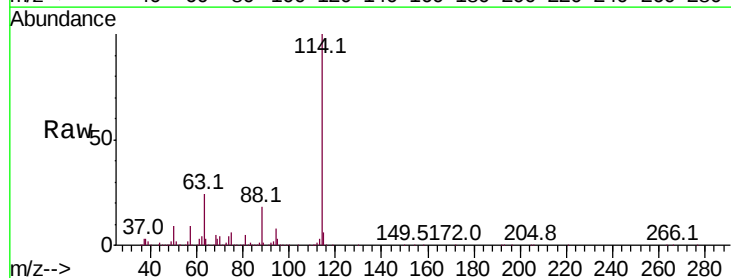
Instrument :
MSVOA_L
ClientSampleId :

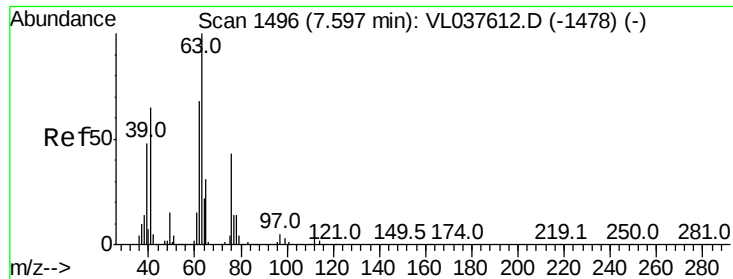
Tot Ion: 84 Resp: 12198
Ion Ratio Lower Upper
84 100
49 131.0 120.0 180.0
51 53.0 38.0 57.0
86 43.0 48.2 72.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL037631.D
Acq: 17 Sep 2021 1:20

Tgt Ion: 114 Resp: 4387482
Ion Ratio Lower Upper
114 100
63 24.3 19.6 29.4
88 17.8 14.2 21.4





#39

1,2-Dichloropropane

Concen: 7.411 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.44 min

Lab File: VL037631.D

Acq: 17 Sep 2021 1:20

Instrument :

MSVOA_L

ClientSampleId :

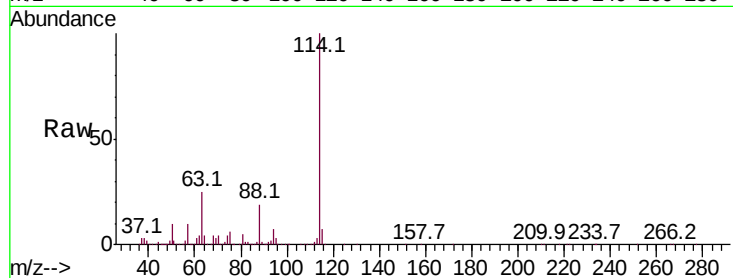
Tot Ion: 63 Resp: 1038548

Ion Ratio Lower Upper

63 100

41 0.1 51.6 77.4#

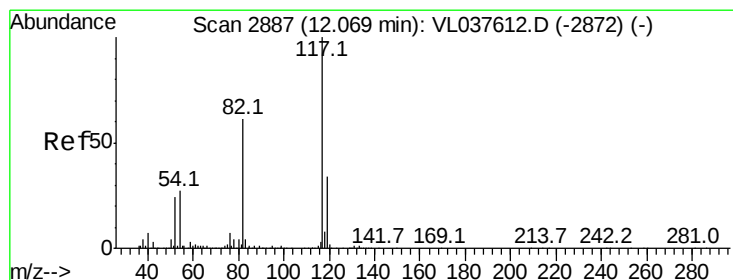
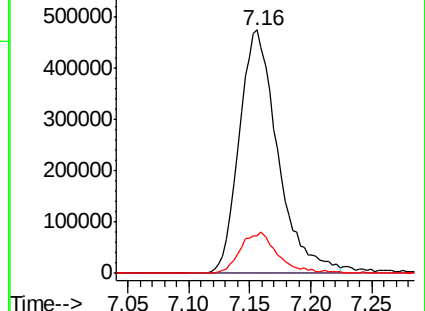
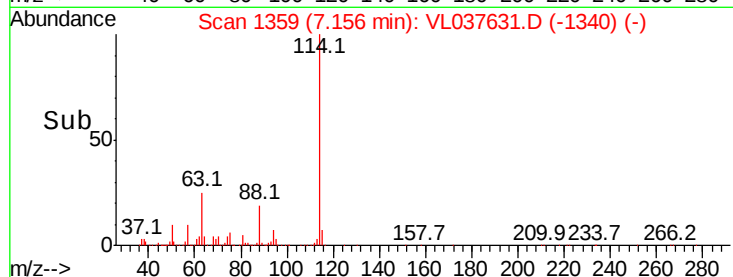
62 15.2 54.6 81.8#



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: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037631.D

Acq: 17 Sep 2021 1:20

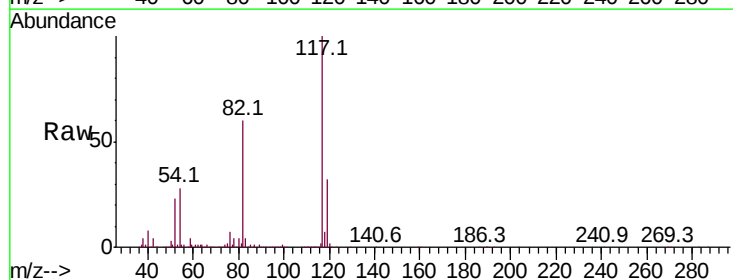
Tgt Ion:117 Resp: 3740960

Ion Ratio Lower Upper

117 100

82 64.3 50.6 75.8

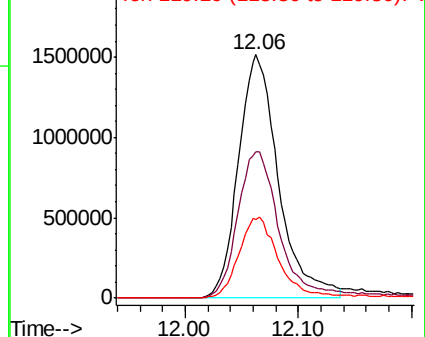
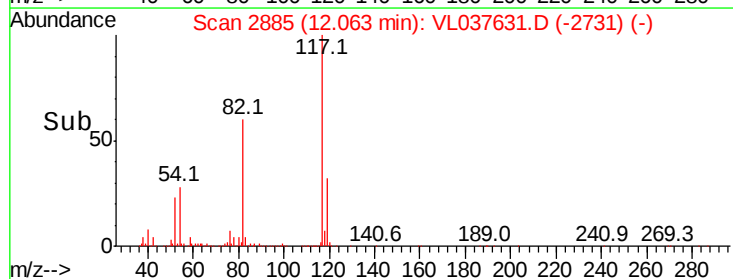
119 34.7 26.2 39.2

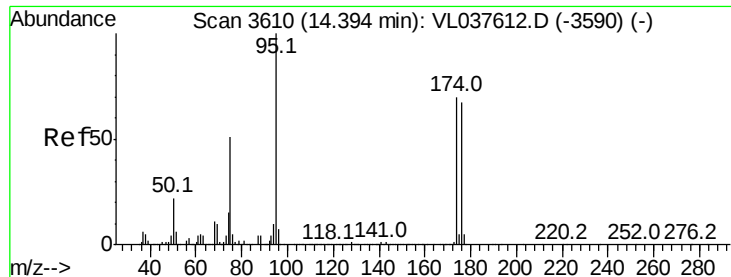


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.473 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL037631.D

Acq: 17 Sep 2021 1:20

Instrument :

MSVOA_L

ClientSampleId :

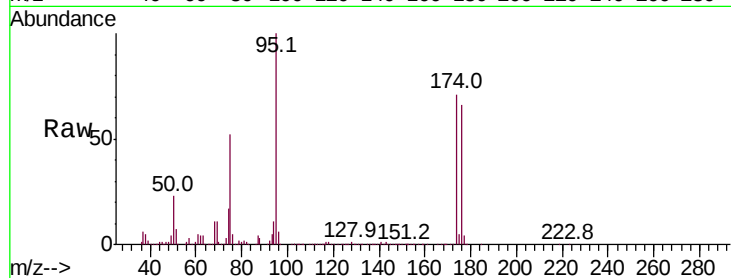
Tot Ion: 95 Resp: 2561111

Ion Ratio Lower Upper

95 100

174 79.6 56.3 84.5

175 5.9 4.4 6.6



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

