

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036372.D
 Acq On : 25 Feb 2021 5:25
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Feb 25 07:57:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1532784	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3372490	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3034126	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2446601	9.80	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

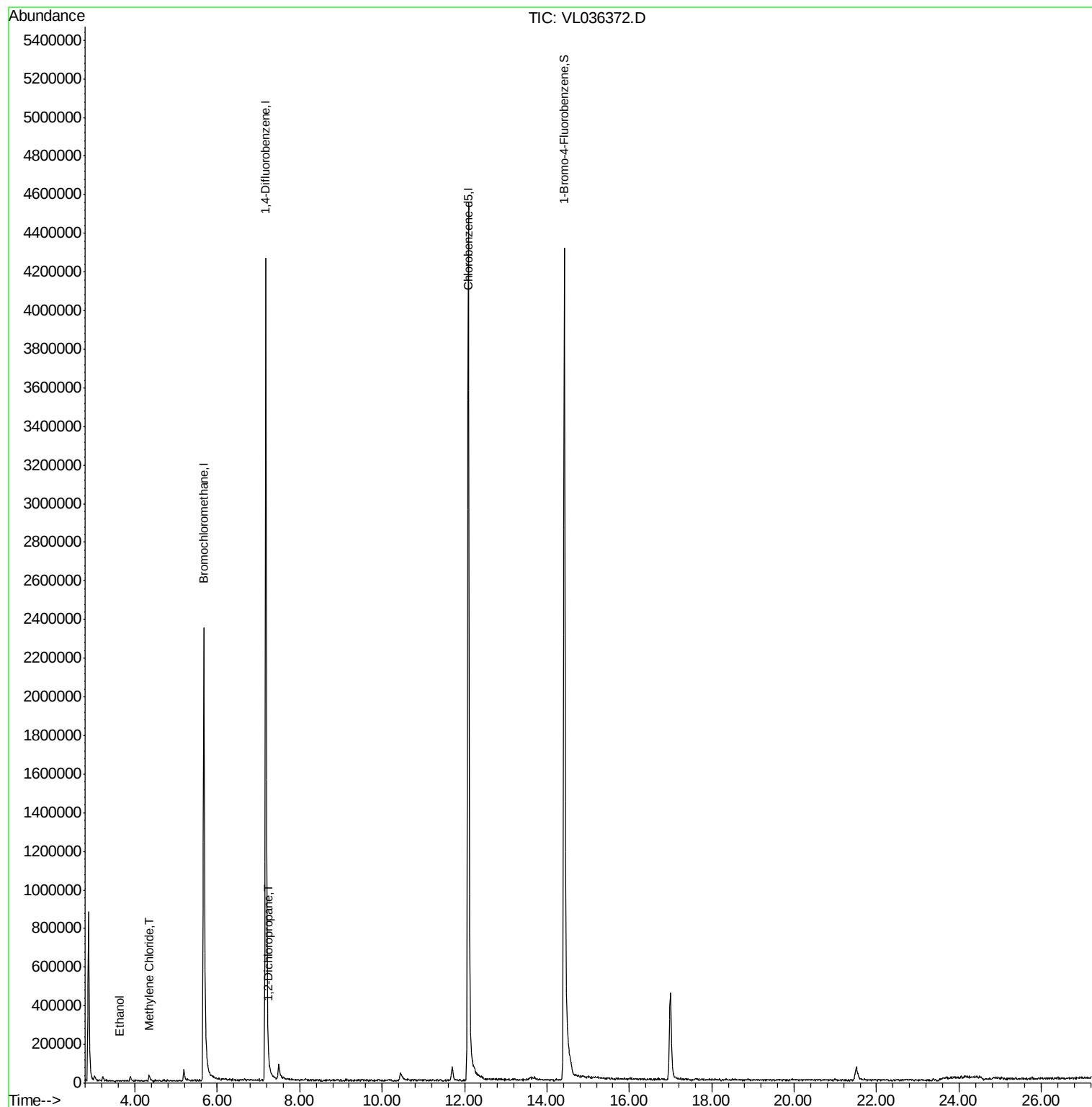
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	943	0.071	ppbv #	32
20) Methylene Chloride	4.34	84	4296	0.071	ppbv #	32
39) 1,2-Dichloropropane	7.25	63	11787	0.101	ppbv #	17

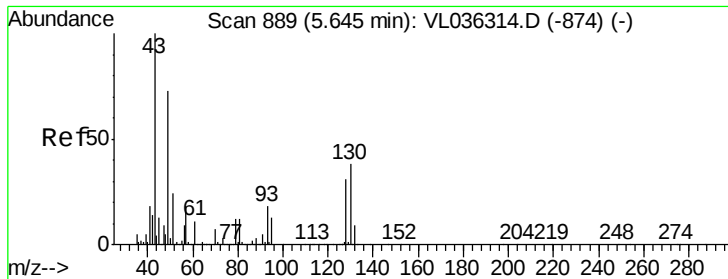
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL036372.D

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MSVOA_L

ClientSampleId :

VIBLK

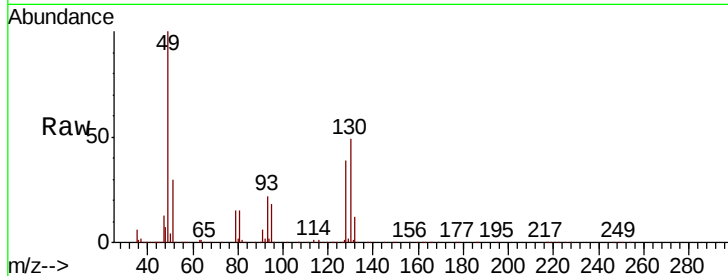
Tot Ion: 49 Resp: 1532784

Ion Ratio Lower Upper

49 100

128 42.4 20.8 62.5

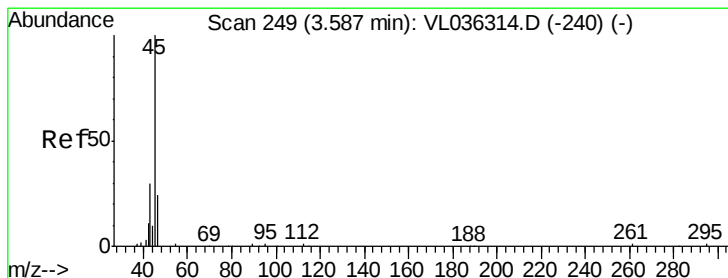
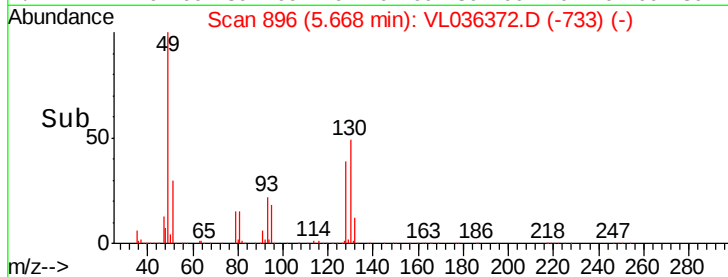
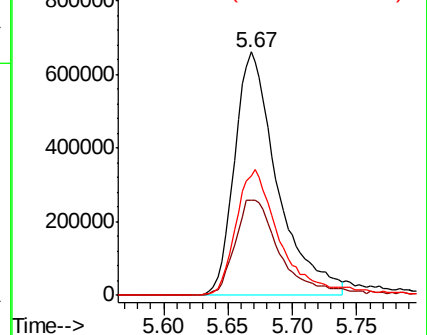
130 55.2 26.7 80.1



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: 0.071 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.04 min

Lab File: VL036372.D

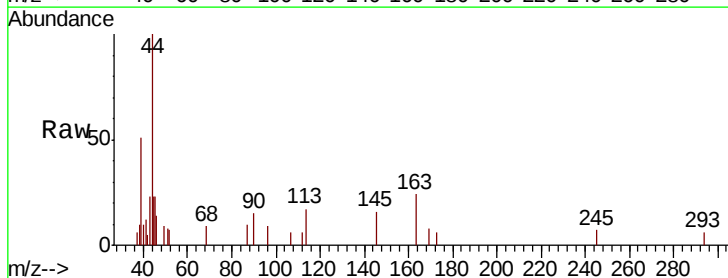
Acq: 25 Feb 2021 5:25

Tgt Ion: 45 Resp: 943

Ion Ratio Lower Upper

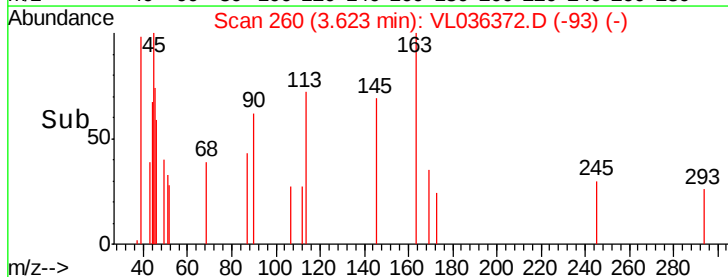
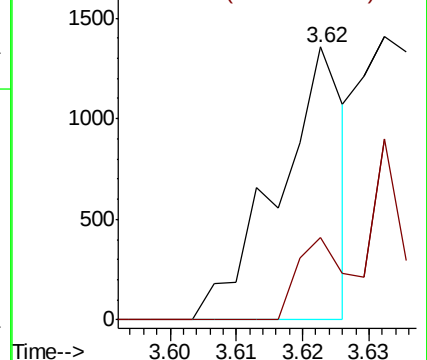
45 100

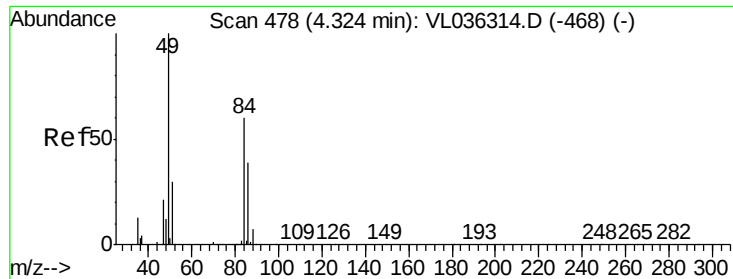
46 0.0 17.7 70.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

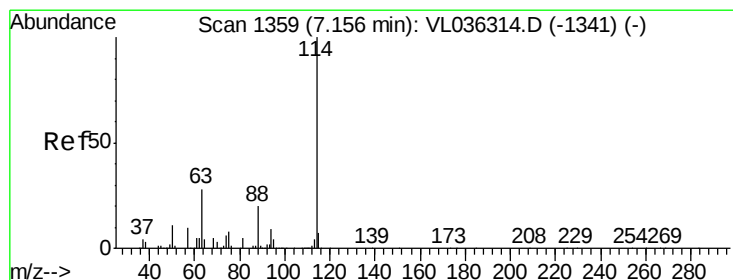
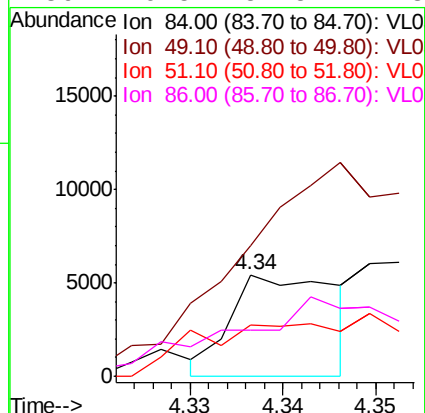
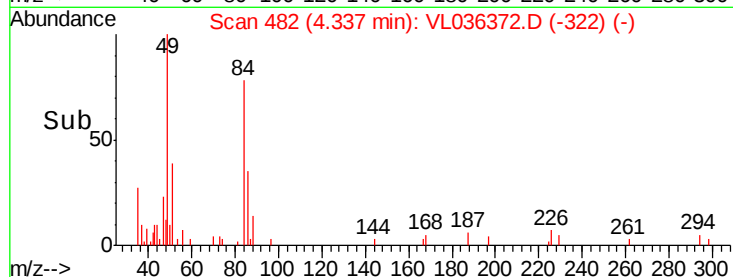
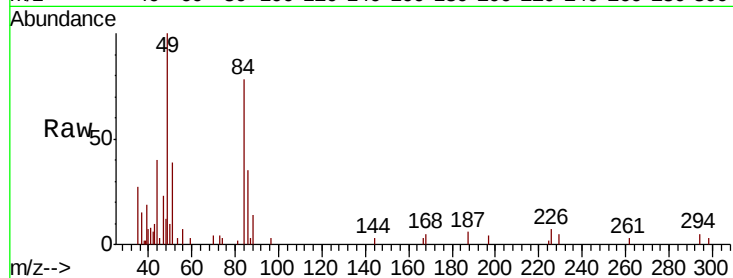




#20
Methylene Chloride
Concen: 0.071 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL036372.D
Acq: 25 Feb 2021 5:25

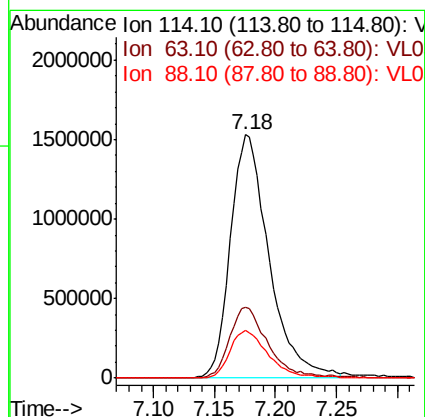
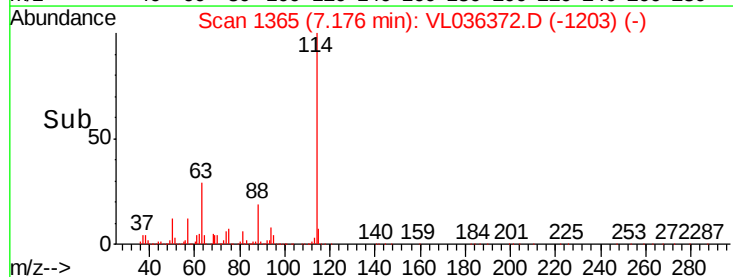
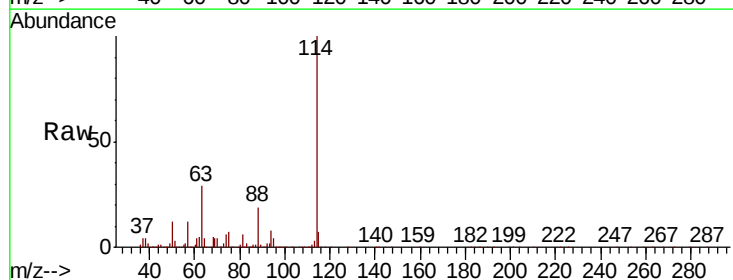
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

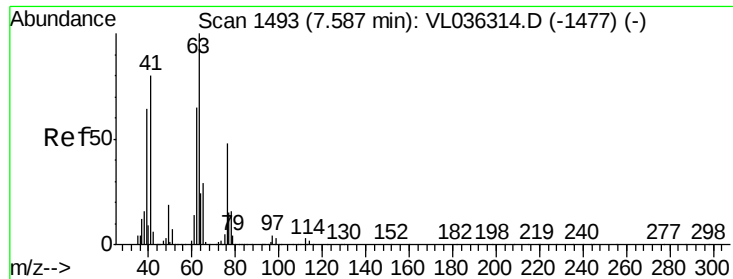
Tot Ion: 84 Resp: 4296
Ion Ratio Lower Upper
84 100
49 67.9 133.8 200.8#
51 7.4 41.4 62.0#
86 19.5 51.5 77.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.02 min
Lab File: VL036372.D
Acq: 25 Feb 2021 5:25

Tgt Ion: 114 Resp: 3372490
Ion Ratio Lower Upper
114 100
63 29.8 24.1 36.1
88 19.9 16.0 24.0





#39

1,2-Dichloropropane

Concen: 0.101 ppbv

RT: 7.25 min Scan# 1387

Delta R.T. -0.34 min

Lab File: VL036372.D

Acq: 25 Feb 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

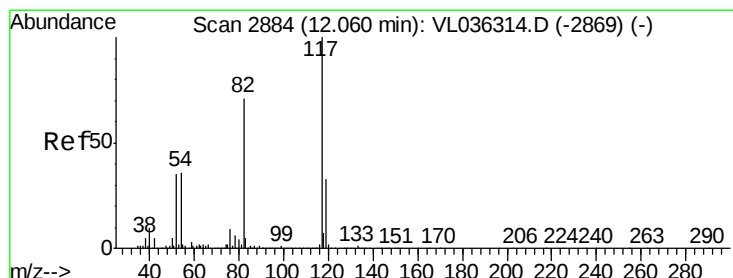
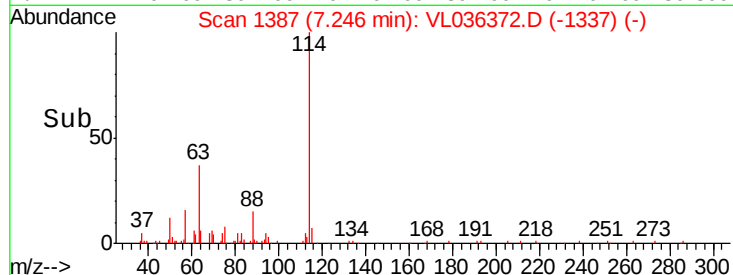
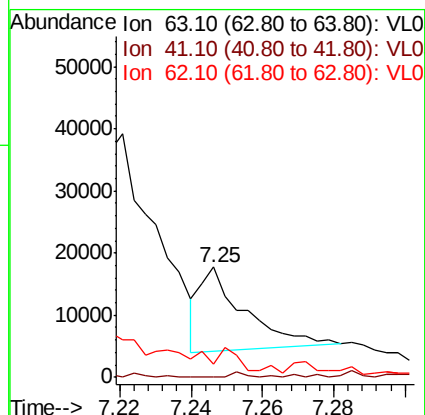
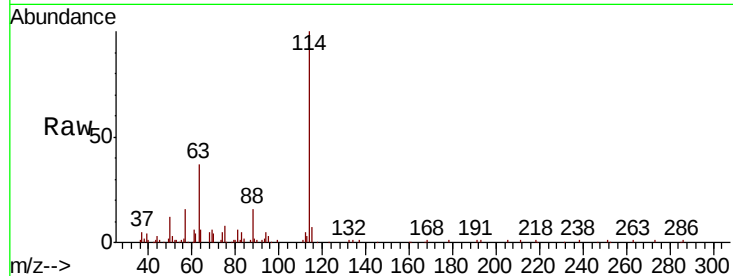
Tot Ion: 63 Resp: 11787

Ion Ratio Lower Upper

63 100

41 0.0 63.8 95.6#

62 7.6 52.3 78.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. 0.03 min

Lab File: VL036372.D

Acq: 25 Feb 2021 5:25

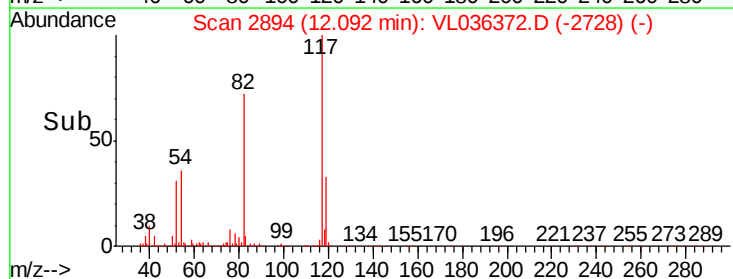
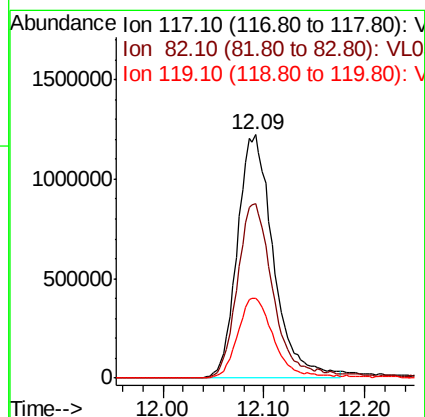
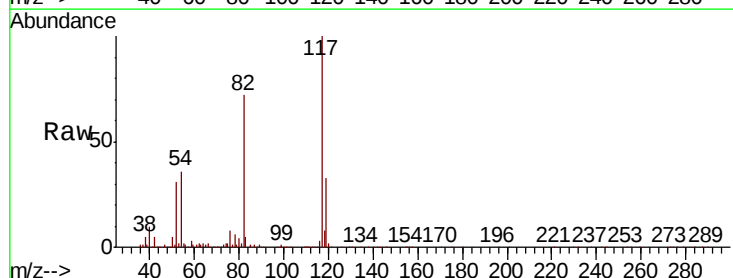
Tgt Ion: 117 Resp: 3034126

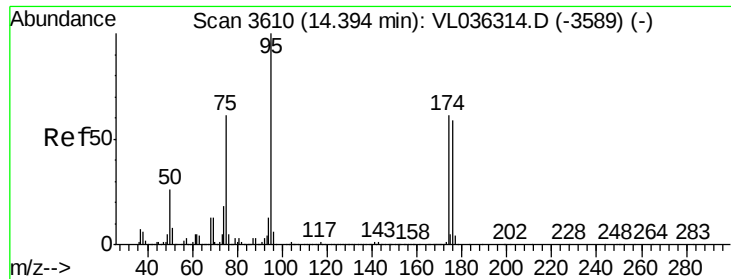
Ion Ratio Lower Upper

117 100

82 73.1 59.1 88.7

119 34.3 46.3 69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.801 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.03 min

Lab File: VL036372.D

Acq: 25 Feb 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 95 Resp: 2446601

Ion Ratio Lower Upper

95 100

174 64.4 49.8 74.6

175 4.7 3.7 5.5

