

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030221\
 Data File : VL036425.D
 Acq On : 2 Mar 2021 11:22
 Operator : SY/AP
 Sample : VL0302ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0302ABL01

Quant Time: Mar 03 03:09:22 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	5.65	49	1587966	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3692756	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3296342	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2662373	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

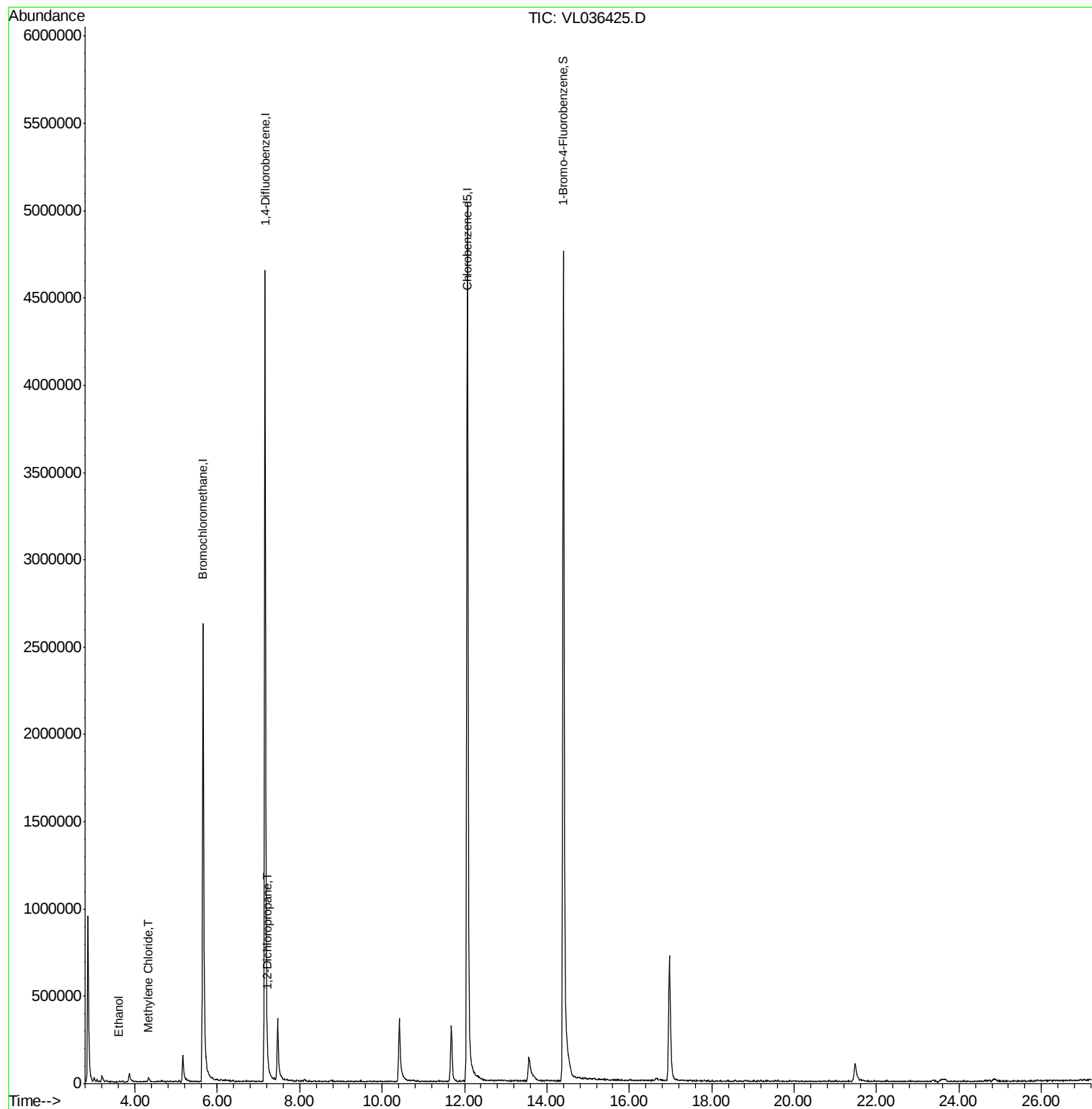
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	433	0.031	ppbv #	32
20) Methylene Chloride	4.32	84	3915	0.063	ppbv #	93
39) 1,2-Dichloropropane	7.22	63	10916	0.086	ppbv #	26

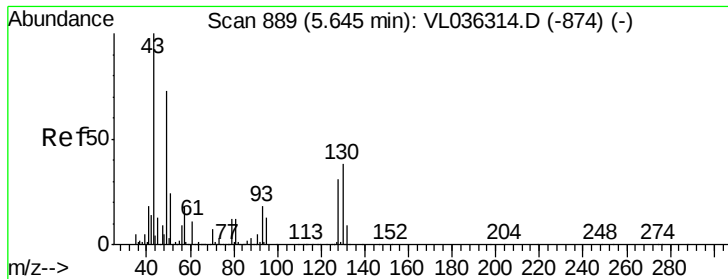
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036425.D

Acq: 2 Mar 2021 11:22

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABL01

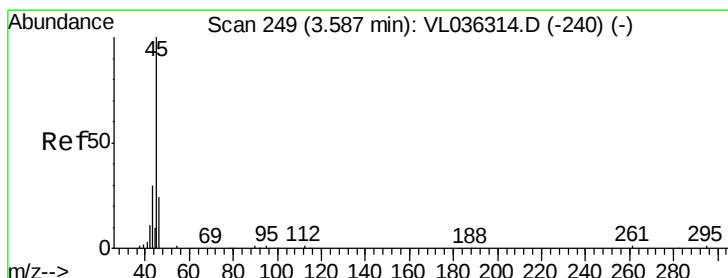
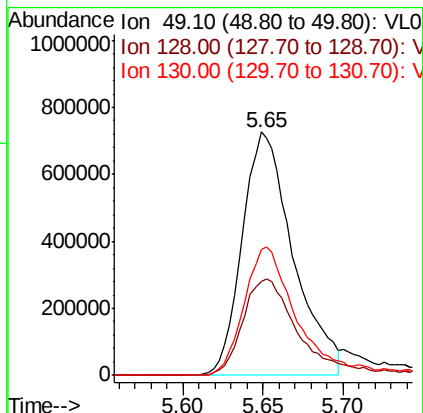
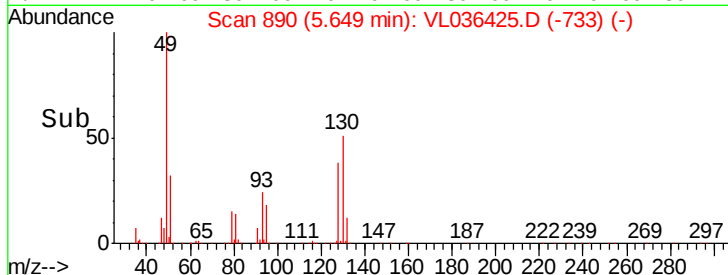
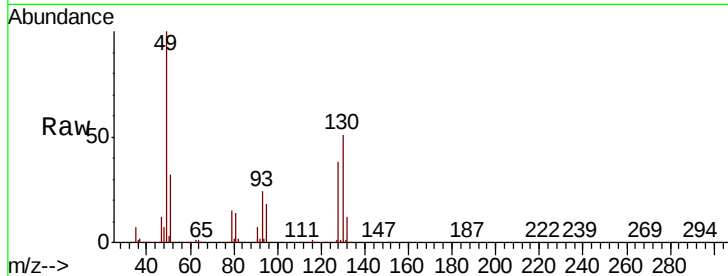
Tot Ion: 49 Resp: 1587966

Ion Ratio Lower Upper

49 100

128 45.5 20.8 62.5

130 58.2 26.7 80.1



#13

Ethanol

Concen: 0.031 ppbv

RT: 3.59 min Scan# 251

Delta R.T. 0.01 min

Lab File: VL036425.D

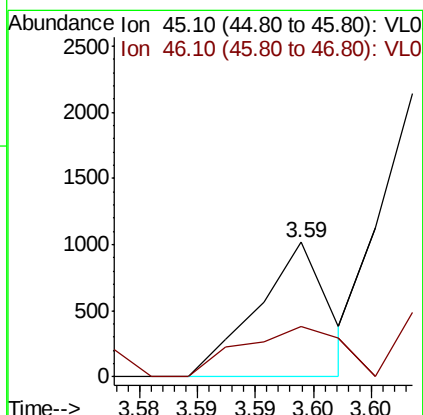
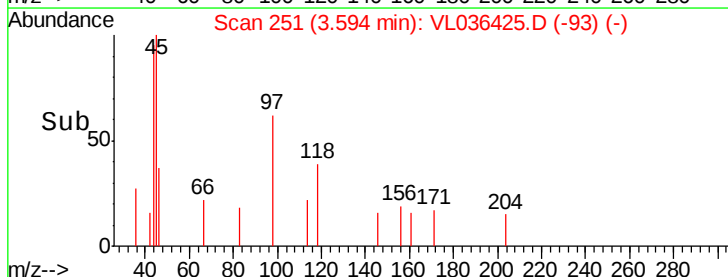
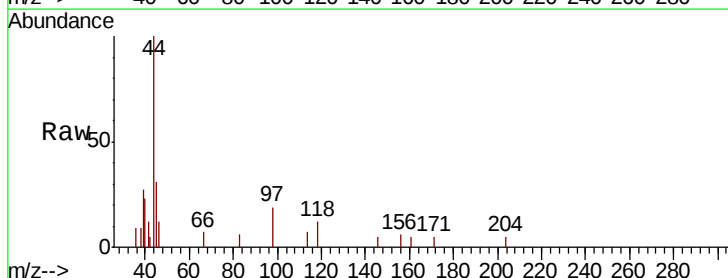
Acq: 2 Mar 2021 11:22

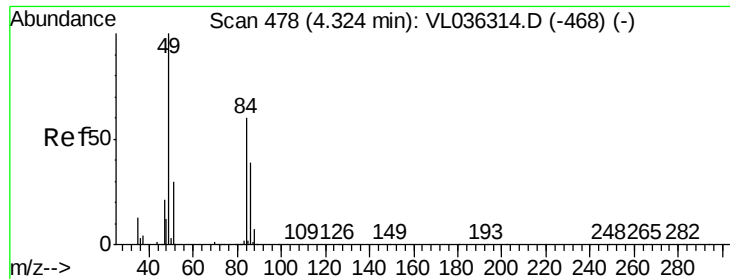
Tgt Ion: 45 Resp: 433

Ion Ratio Lower Upper

45 100

46 0.0 17.7 70.7#

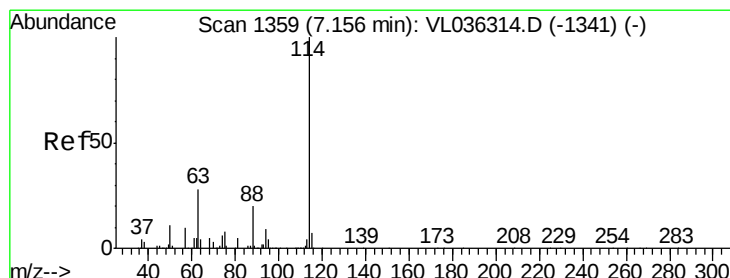
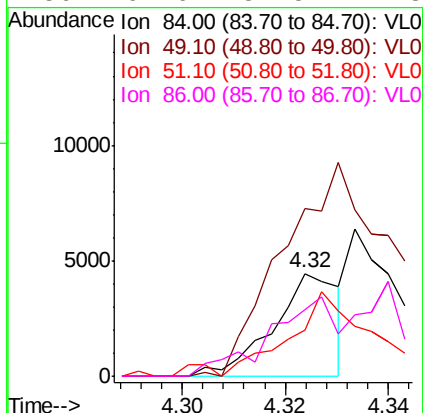
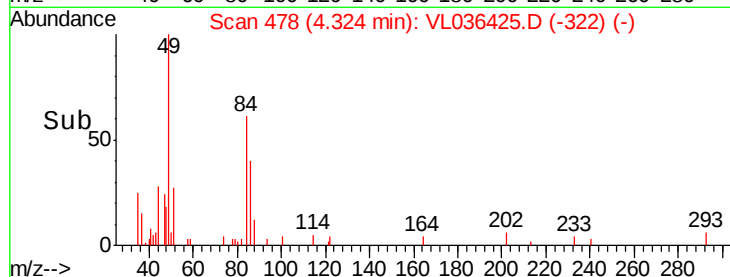
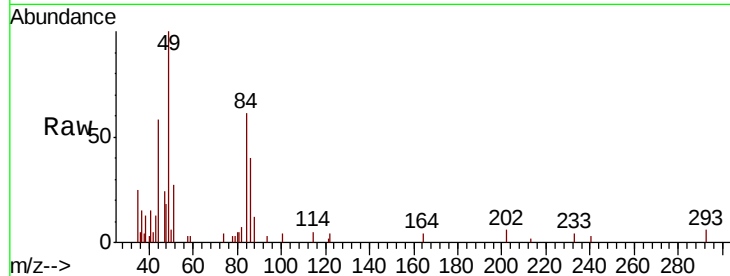




#20
Methylene Chloride
Concen: 0.063 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL036425.D
Acq: 2 Mar 2021 11:22

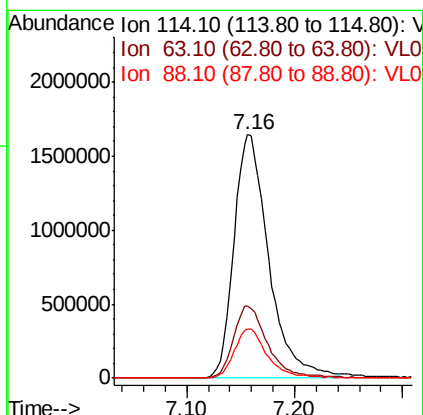
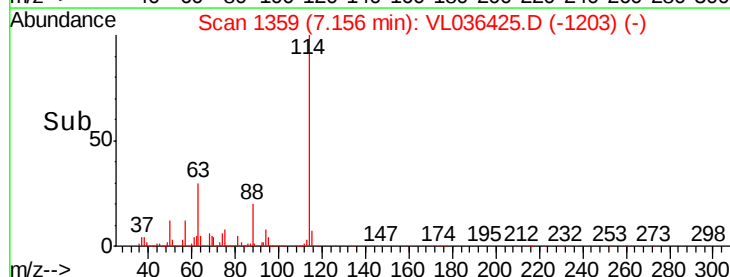
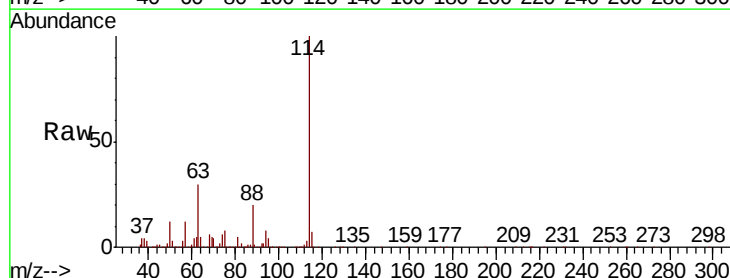
Instrument :
MSVOA_L
ClientSampleId :
VL0302ABL01

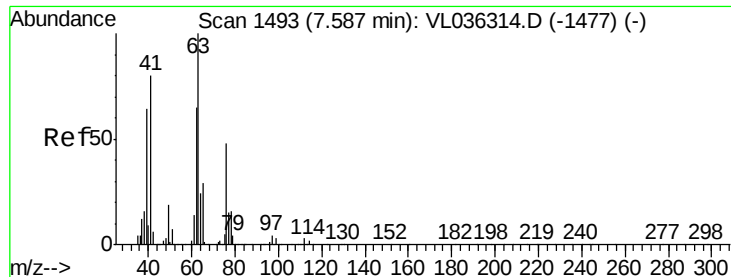
Tot Ion:	84	Resp:	3915
Ion	Ratio	Lower	Upper
84	100		
49	162.7	133.8	200.8
51	33.8	41.4	62.0#
86	64.6	51.5	77.3



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL036425.D
Acq: 2 Mar 2021 11:22

Tgt Ion:	114	Resp:	3692756
Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.1	36.1
88	19.8	16.0	24.0





#39

1,2-Dichloropropane

Concen: 0.086 ppbv

RT: 7.22 min Scan# 1378

Delta R.T. -0.37 min

Lab File: VL036425.D

Acq: 2 Mar 2021 11:22

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABL01

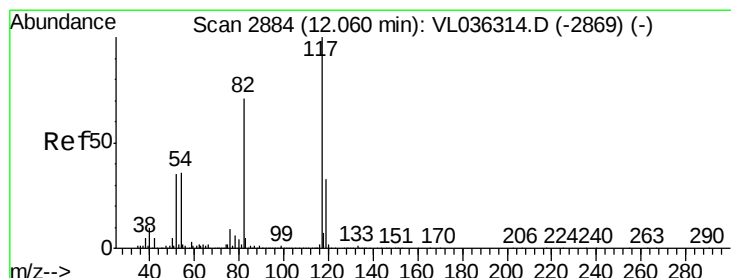
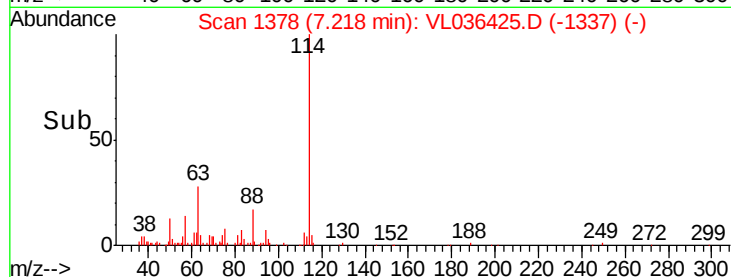
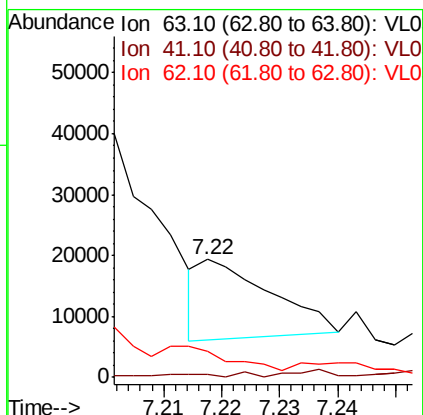
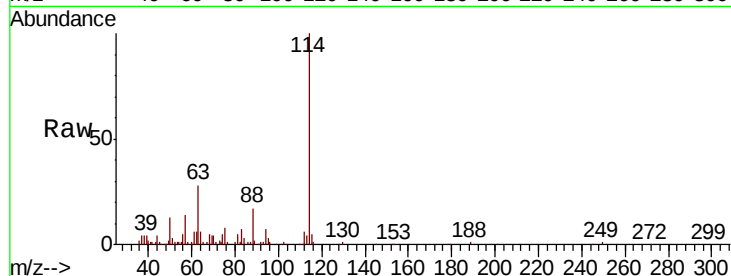
Tot Ion: 63 Resp: 10916

Ion Ratio Lower Upper

63 100

41 5.6 63.8 95.6#

62 17.3 52.3 78.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL036425.D

Acq: 2 Mar 2021 11:22

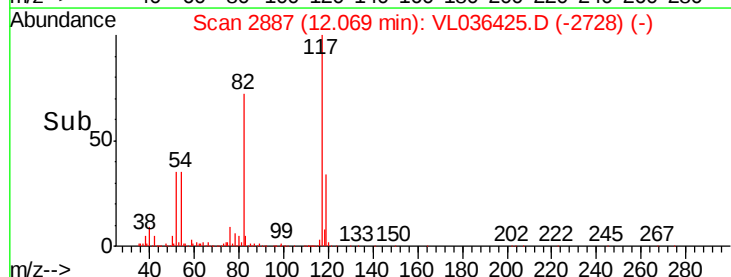
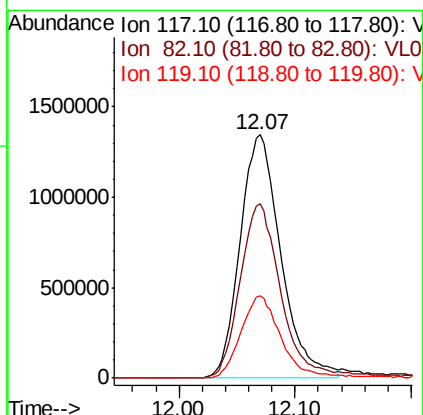
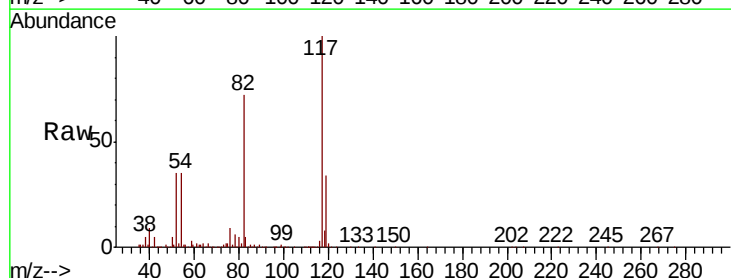
Tgt Ion: 117 Resp: 3296342

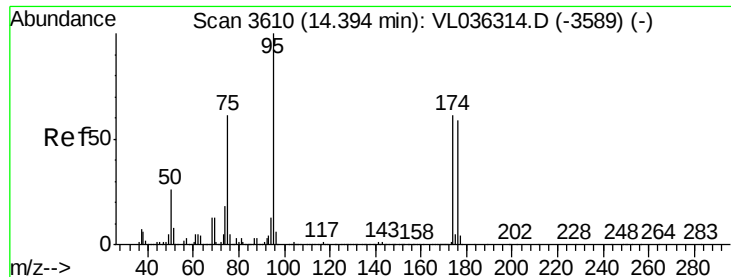
Ion Ratio Lower Upper

117 100

82 74.2 59.1 88.7

119 34.5 46.3 69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.817 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL036425.D

Acq: 2 Mar 2021 11:22

Instrument :

MSVOA_L

ClientSampleId :

VL0302ABL01

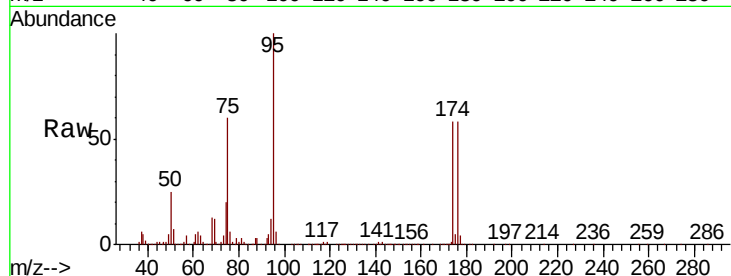
Tot Ion: 95 Resp: 2662373

Ion Ratio Lower Upper

95 100

174 64.0 49.8 74.6

175 4.6 3.7 5.5



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

