

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061522\
 Data File : VL039316.D
 Acq On : 16 Jun 2022 4:43
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jun 16 06:02:32 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1319961	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3769288	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3298568	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2415439	8.86	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.60%

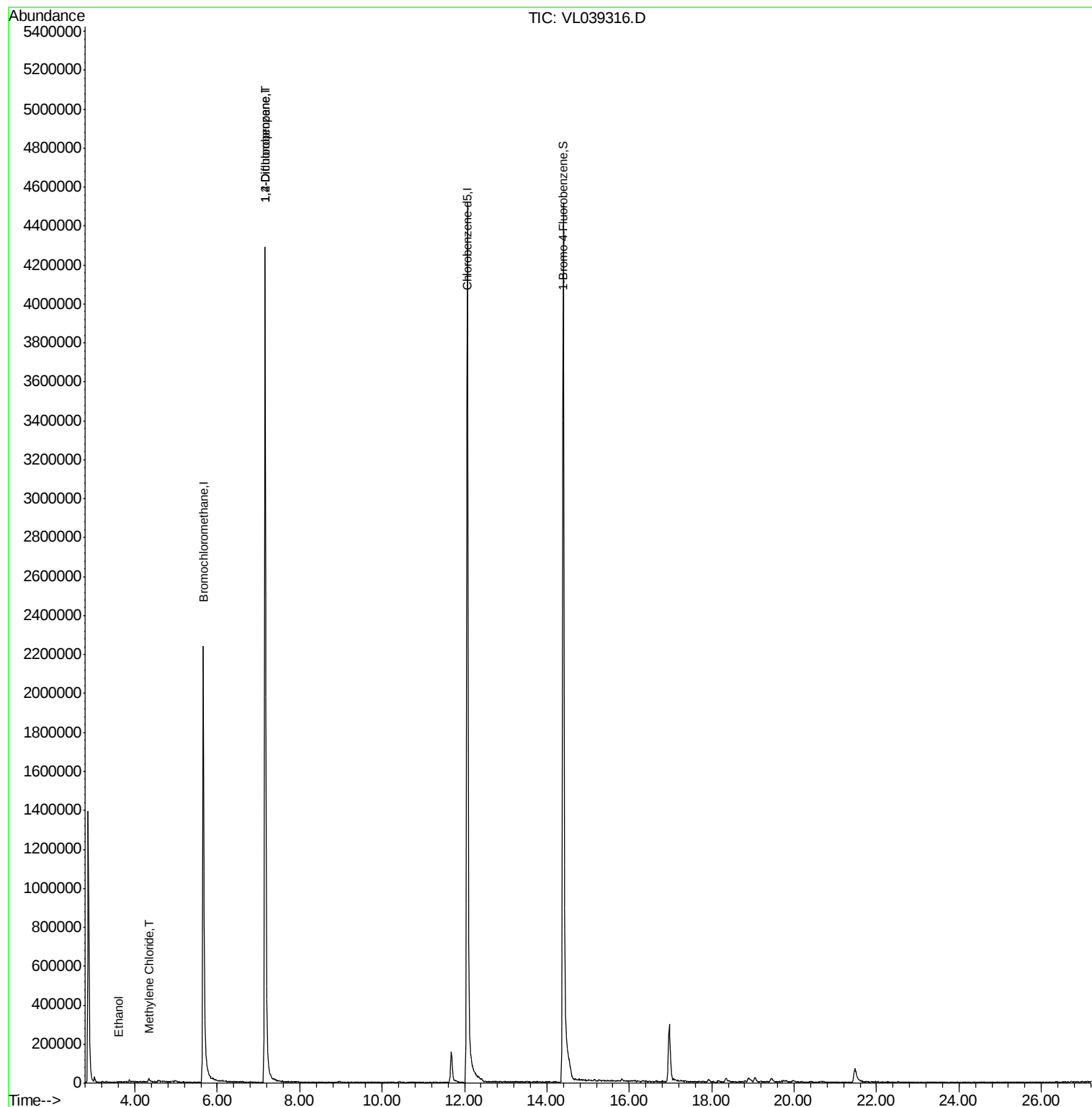
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	205	0.051	ppbv #	100
20) Methylene Chloride	4.34	84	1980	0.034	ppbv #	68
39) 1,2-Dichloropropane	7.16	63	898582	7.382	ppbv #	24

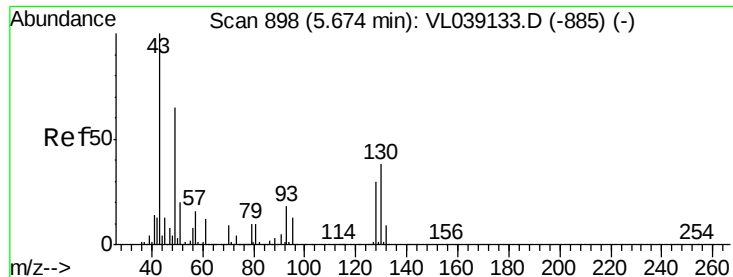
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 16 Jun 2022 4:43

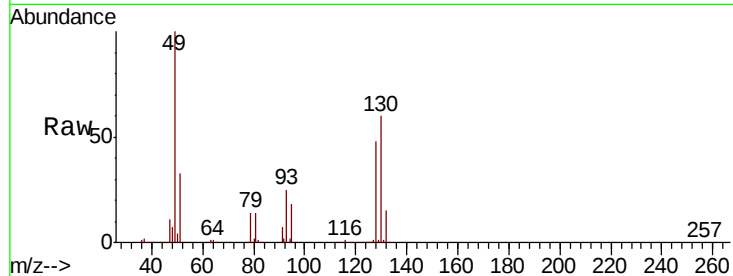
Tot Ion: 49 Resp: 1319961

Ion Ratio Lower Upper

49 100

128 51.8 24.7 74.1

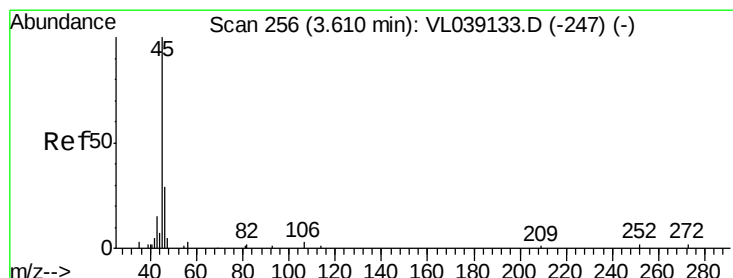
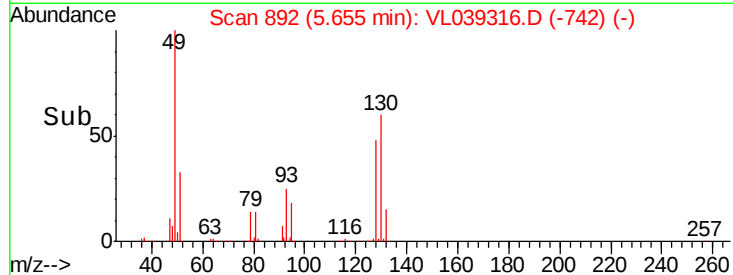
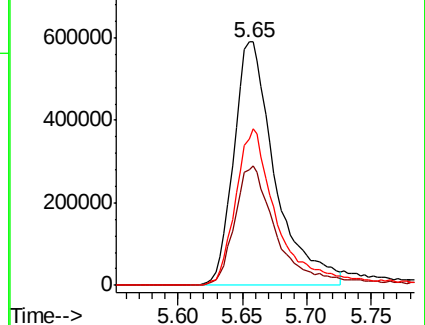
130 66.3 31.4 94.0



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: 0.051 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL039316.D

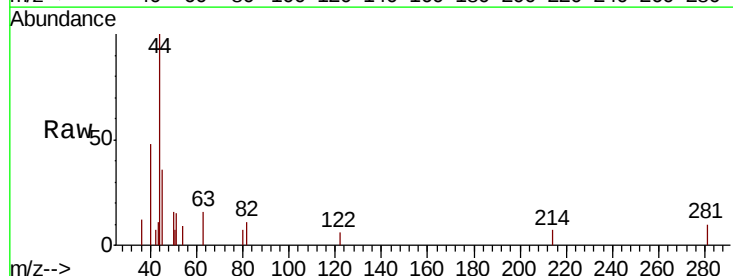
Acq: 16 Jun 2022 4:43

Tgt Ion: 45 Resp: 205

Ion Ratio Lower Upper

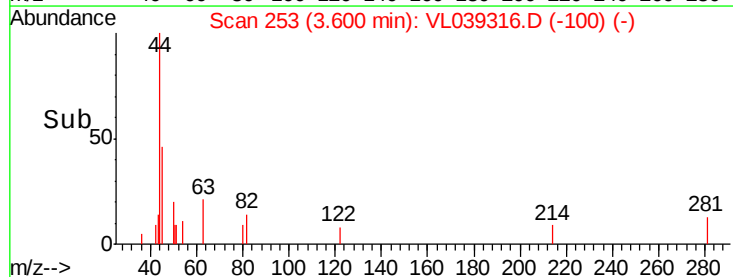
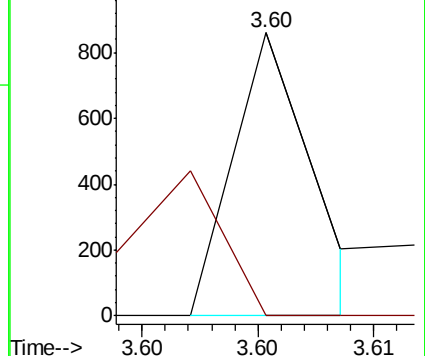
45 100

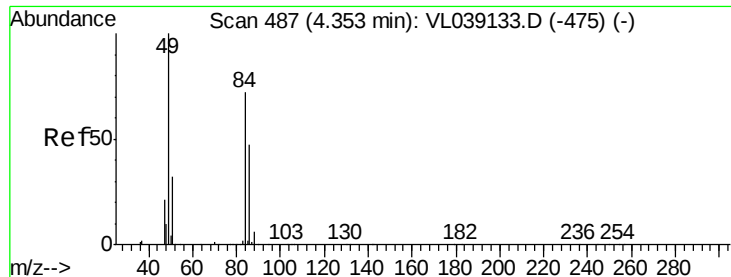
46 113.2 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

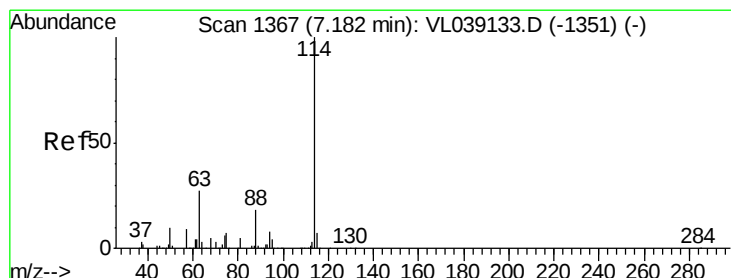
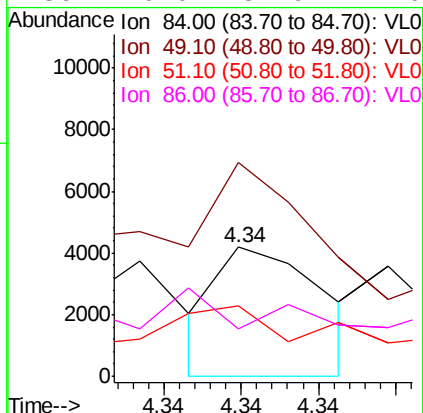
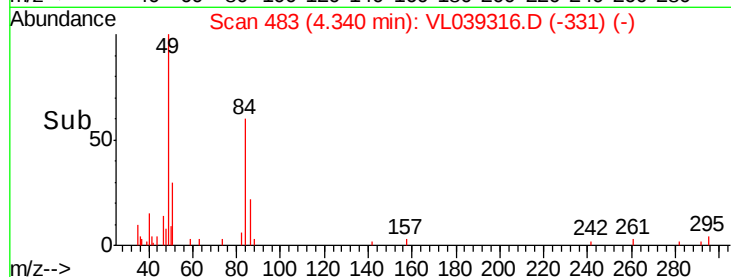
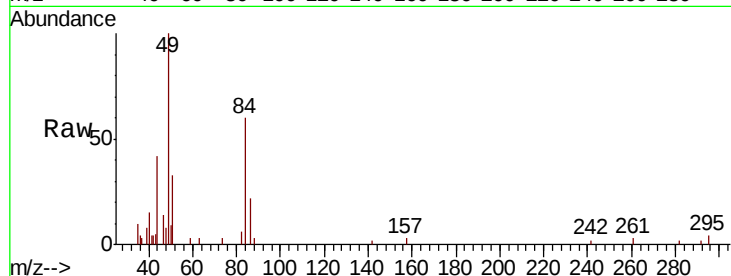
Ion 46.10 (45.80 to 46.80): VL0





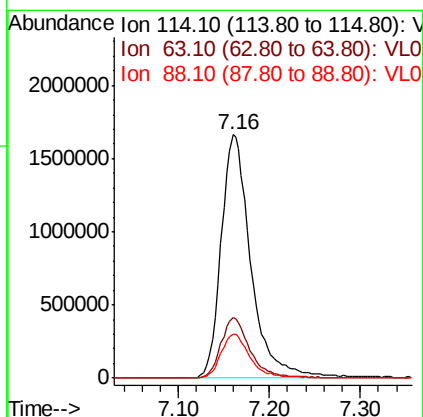
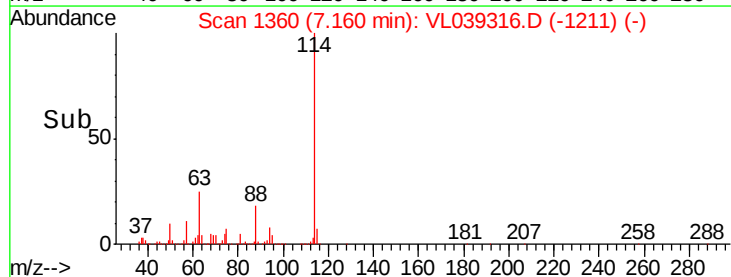
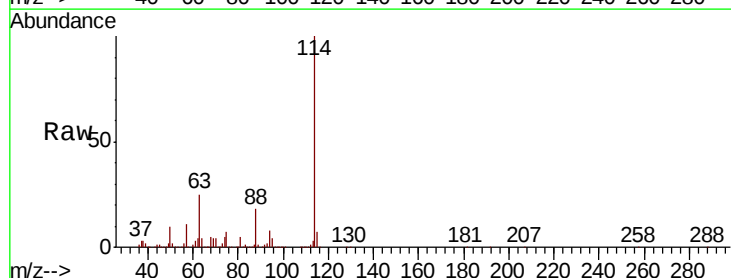
#20
Methylene Chloride
Concen: 0.034 ppbv
RT: 4.34 Instrument: MSVOA_1
Delta R.T. ClientSampleId:
Lab File: VIBLK
Acq: 16 Jun 2022 4:43

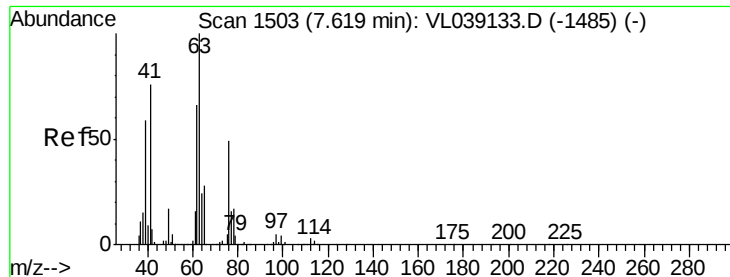
Tot Ion:	84	Resp:	1980
Ion	Ratio	Lower	Upper
84	100		
49	126.7	111.1	166.7
51	26.3	35.3	52.9#
86	0.0	51.9	77.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL039316.D
Acq: 16 Jun 2022 4:43

Tgt Ion:	114	Resp:	3769288
Ion	Ratio	Lower	Upper
114	100		
63	24.6	21.7	32.5
88	18.2	14.8	22.2





#39

1,2-Dichloropropane

Concen: 7.382 ppbv

RT: 7.16 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Jun 2022 4:43

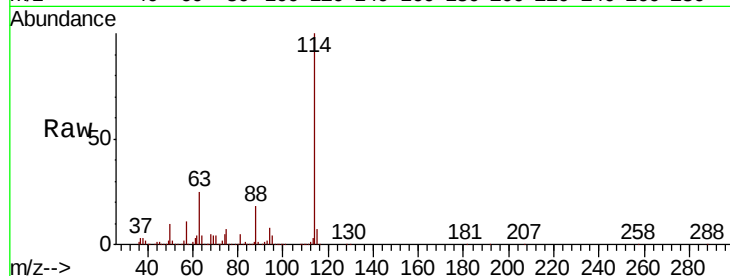
Tot Ion: 63 Resp: 898582

Ion Ratio Lower Upper

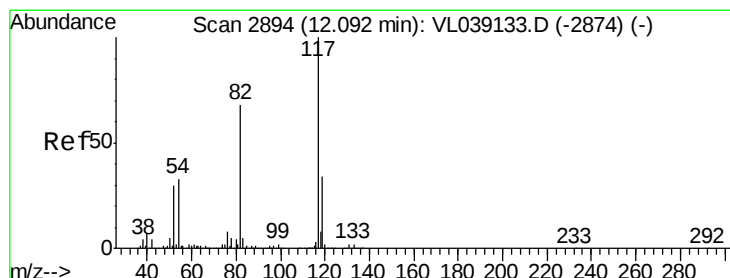
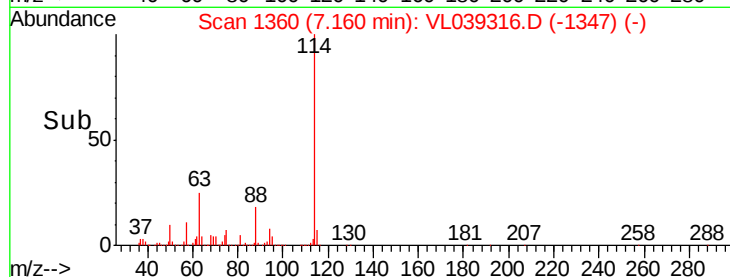
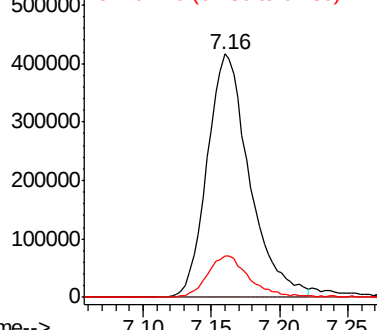
63 100

41 0.1 60.8 91.2#

62 17.2 52.9 79.3#



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: 12.07 min Scan# 2887

Delta R.T. -0.02 min

Lab File: VL039316.D

Acq: 16 Jun 2022 4:43

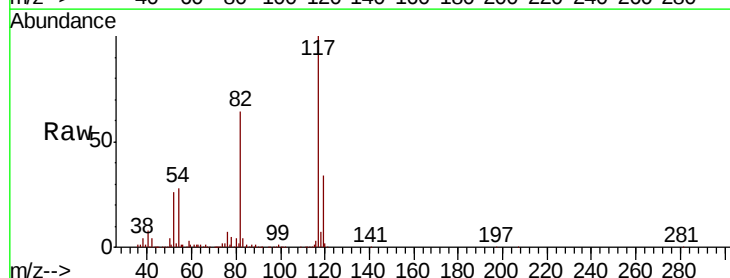
Tgt Ion: 117 Resp: 3298568

Ion Ratio Lower Upper

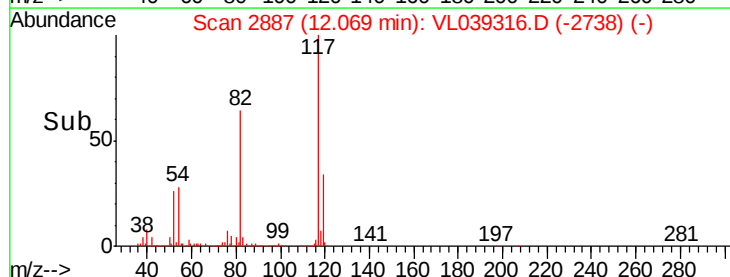
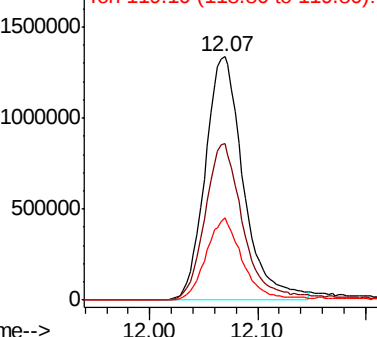
117 100

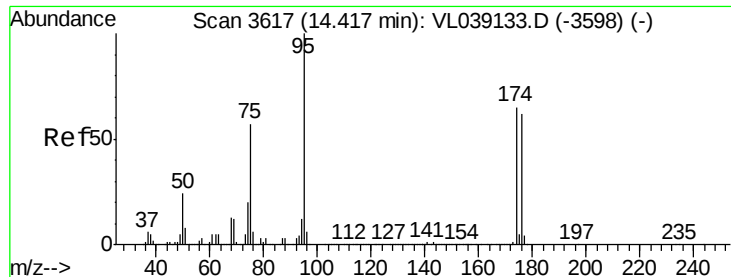
82 66.8 55.1 82.7

119 33.3 24.7 37.1



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: 8.857 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VIBLK

Acq: 16 Jun 2022 4.45

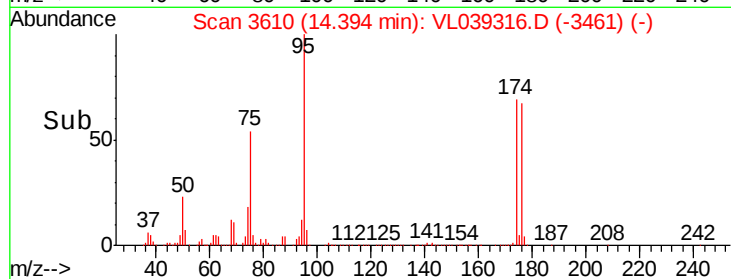
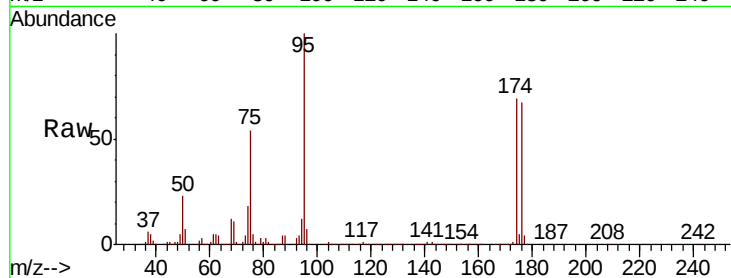
Tot Ion: 95 Resp: 2415439

Ion Ratio Lower Upper

95 100

174 76.0 53.8 80.8

175 5.5 4.1 6.1



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

