

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL053122\
 Data File : VL039141.D
 Acq On : 31 May 2022 22:36
 Operator : SY/AP
 Sample : VL0531ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 01 01:39:59 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	5.67	49	1392288	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3502878	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2982805	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2427187	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

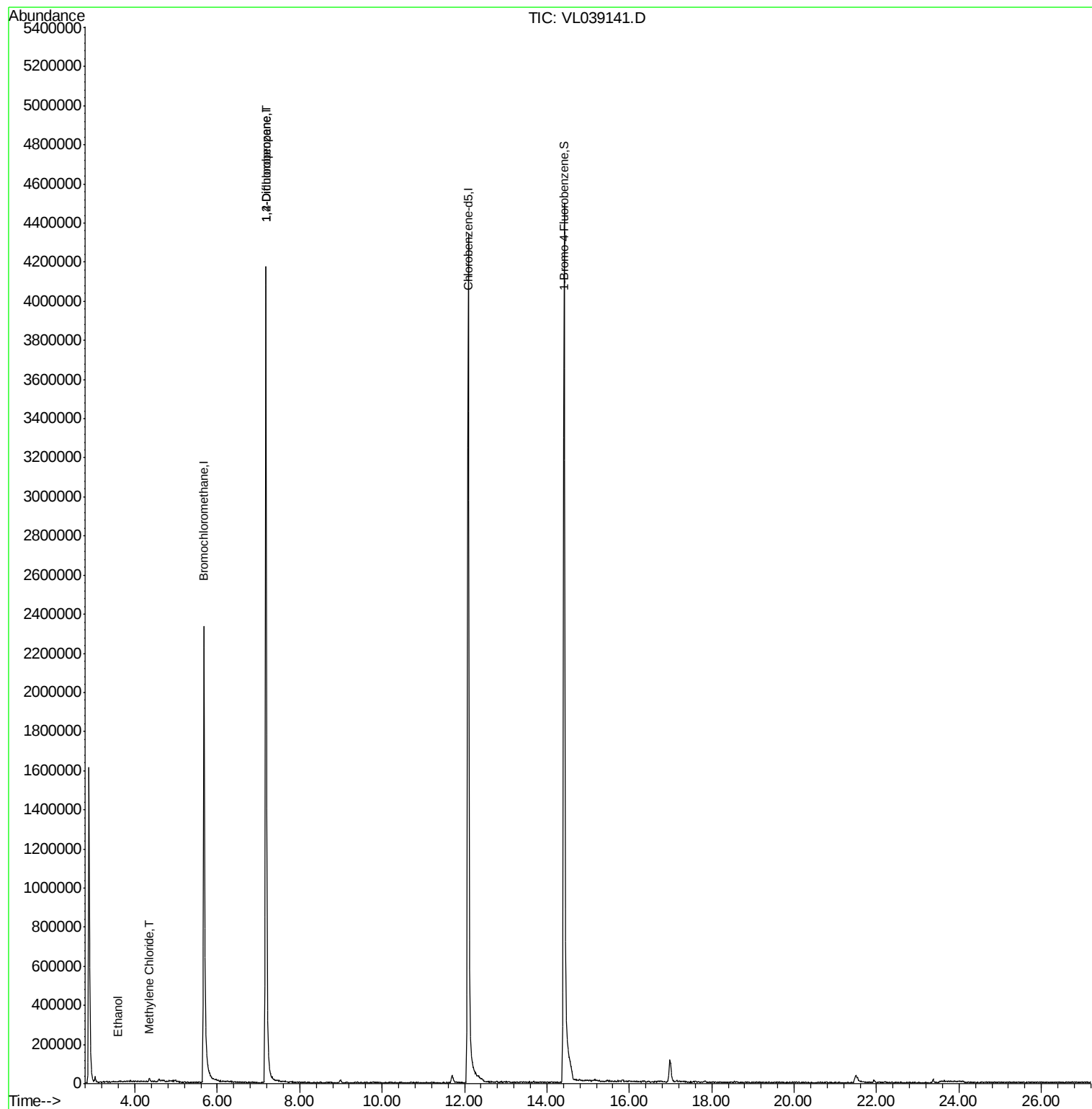
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	139	0.033	ppbv #	100
20) Methylene Chloride	4.35	84	2394	0.039	ppbv #	80
39) 1,2-Dichloropropane	7.18	63	925772	8.184	ppbv #	24

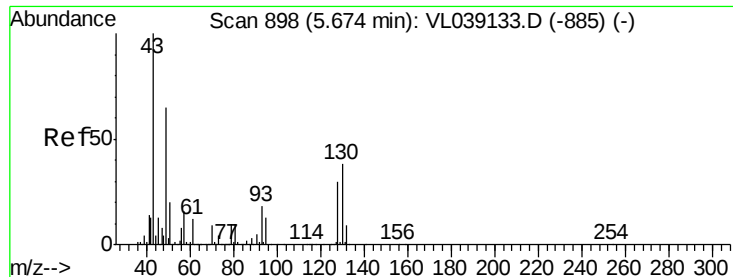
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 May 2022 22:30

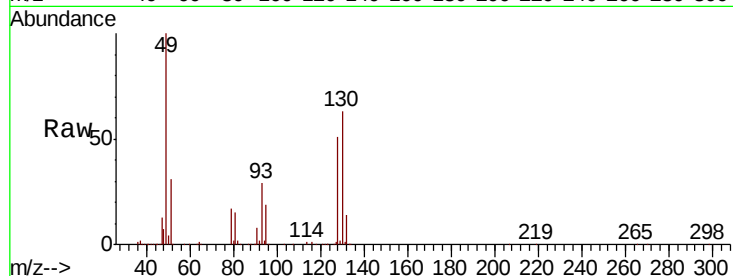
Tot Ion: 49 Resp: 1392288

Ion Ratio Lower Upper

49 100

128 51.1 24.7 74.1

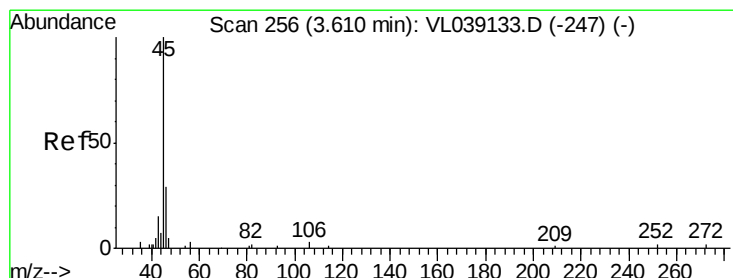
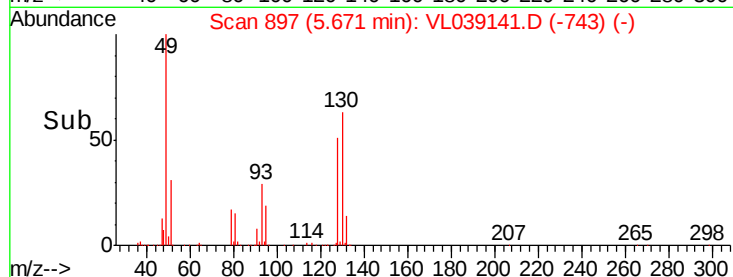
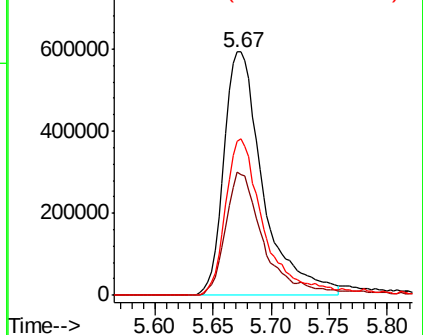
130 65.9 31.4 94.0



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: 0.033 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL039141.D

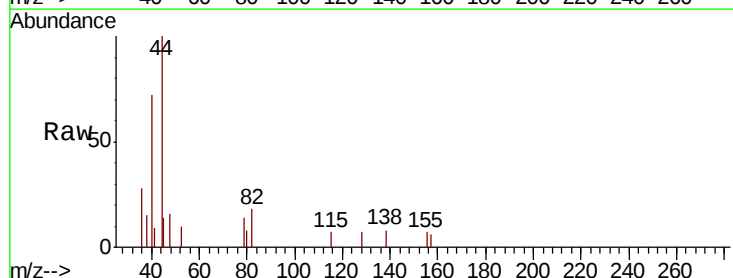
Acq: 31 May 2022 22:36

Tgt Ion: 45 Resp: 139

Ion Ratio Lower Upper

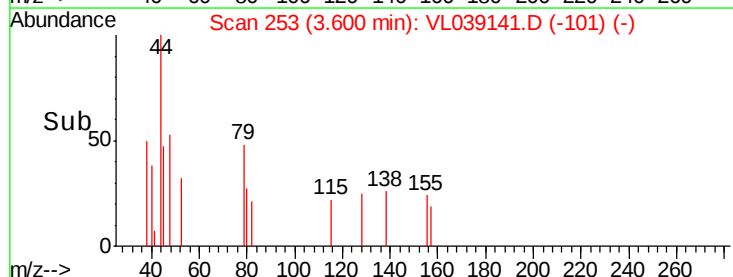
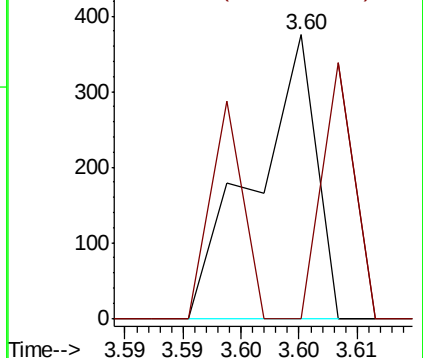
45 100

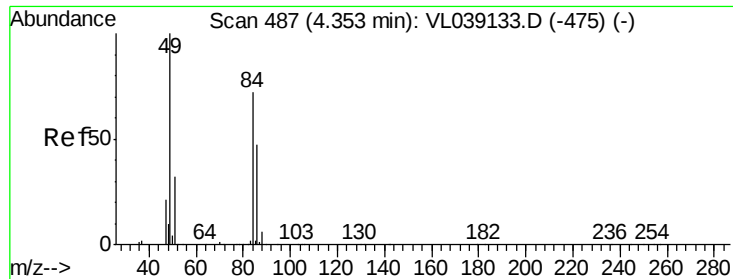
46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

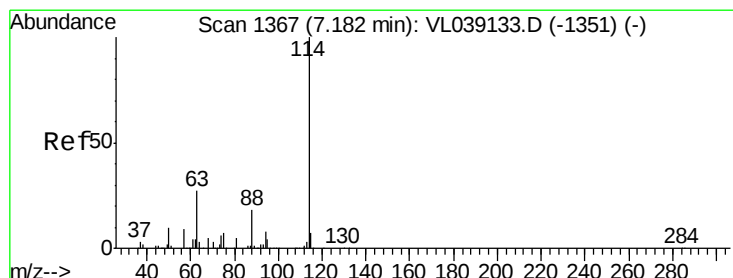
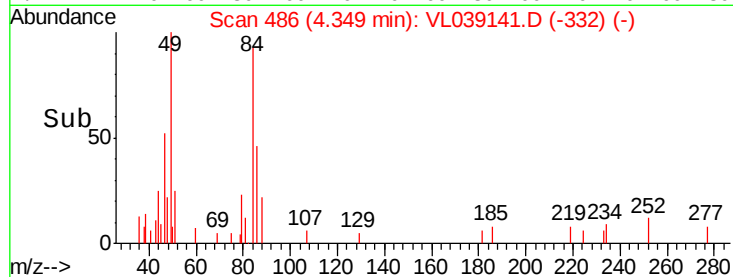
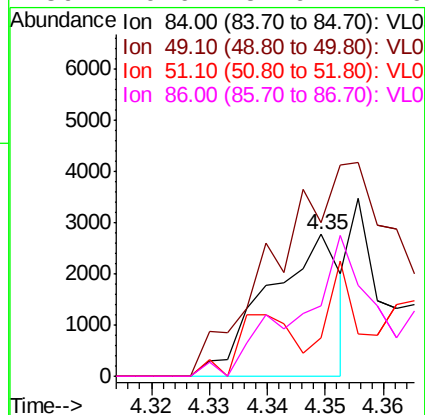
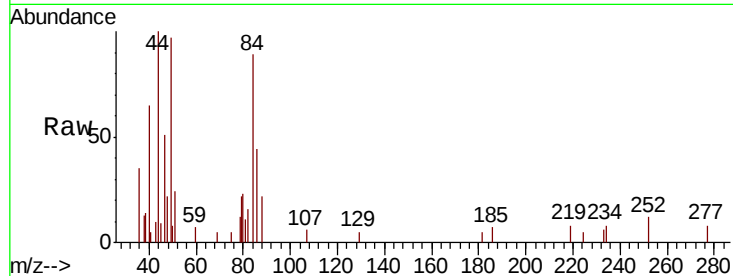
Ion 46.10 (45.80 to 46.80): VL0





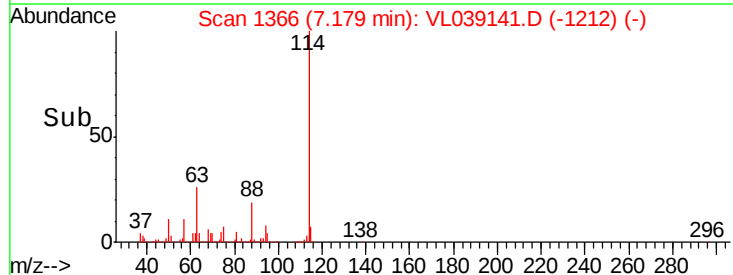
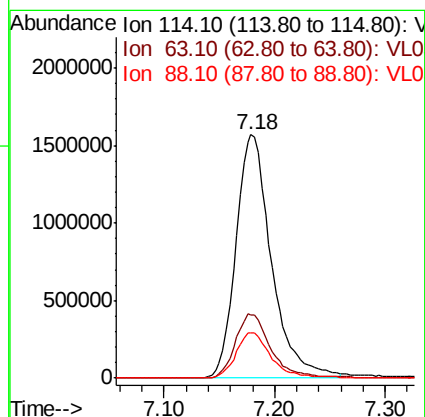
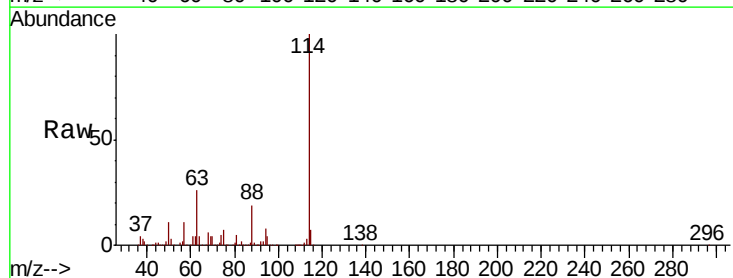
#20
Methylene Chloride
Concen: 0.039 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 31 May 2022 22:30

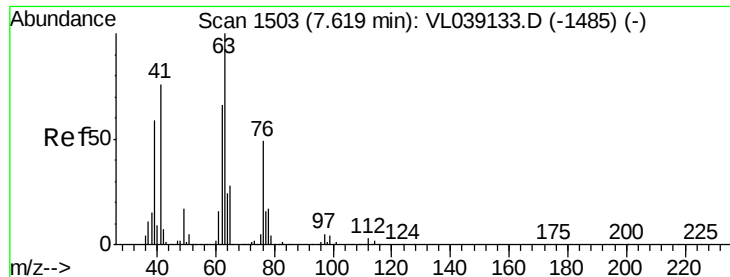
Tot Ion:	84	Resp:	2394
Ion	Ratio	Lower	Upper
84	100		
49	117.1	111.1	166.7
51	27.3	35.3	52.9#
86	49.6	51.9	77.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VL039141.D
Acq: 31 May 2022 22:36

Tgt Ion:	114	Resp:	3502878
Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.7	32.5
88	18.8	14.8	22.2





#39

1,2-Dichloropropane

Concen: 8.184 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 May 2022 22:30

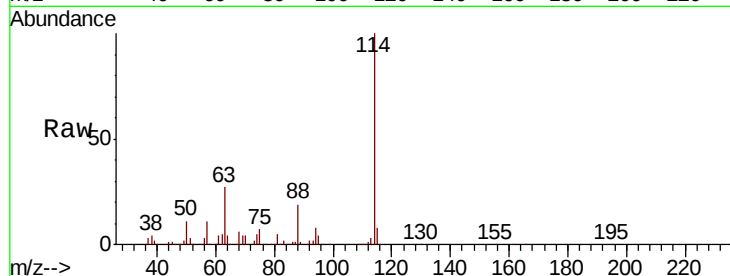
Tot Ion: 63 Resp: 925772

Ion Ratio Lower Upper

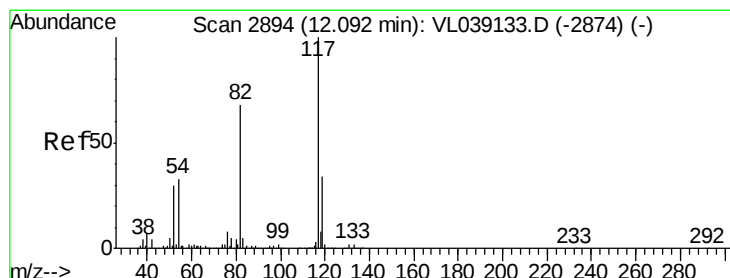
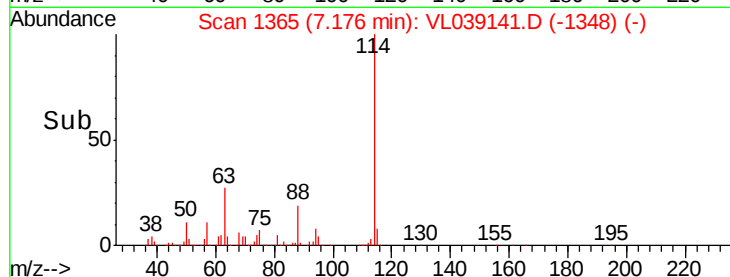
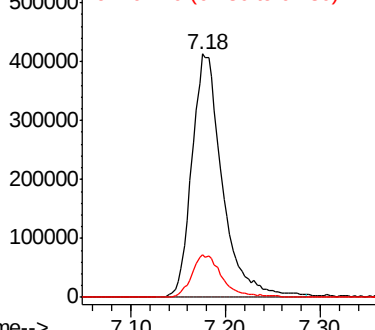
63 100

41 0.0 60.8 91.2#

62 17.5 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: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL039141.D

Acq: 31 May 2022 22:36

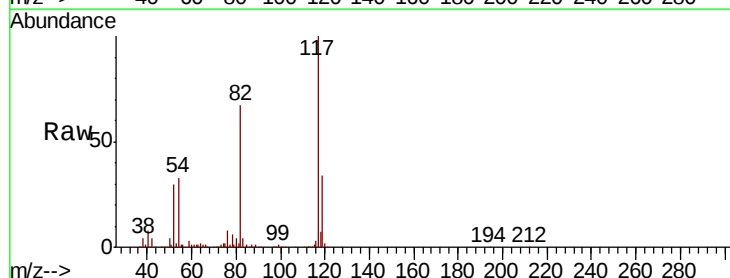
Tgt Ion: 117 Resp: 2982805

Ion Ratio Lower Upper

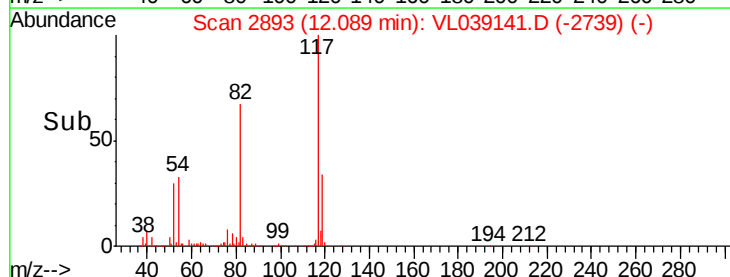
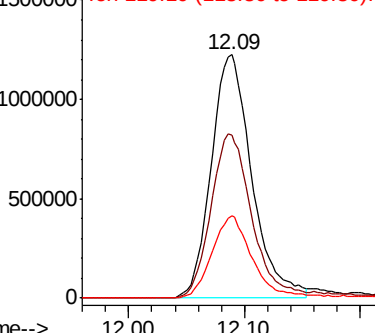
117 100

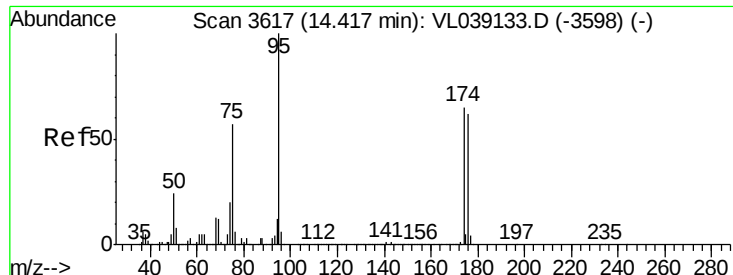
82 71.4 55.1 82.7

119 34.7 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: 9.843 ppbv

RT: 14.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 31 May 2022 22:30

Tot Ion: 95 Resp: 2427187

Ion Ratio Lower Upper

95 100

174 69.0 53.8 80.8

175 5.1 4.1 6.1

