

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041222\
 Data File : VL038891.D
 Acq On : 12 Apr 2022 14:29
 Operator : SY/AP
 Sample : VL0412ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABL02

Quant Time: Apr 13 01:16:00 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1146503	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3007836	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2653262	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2052691	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

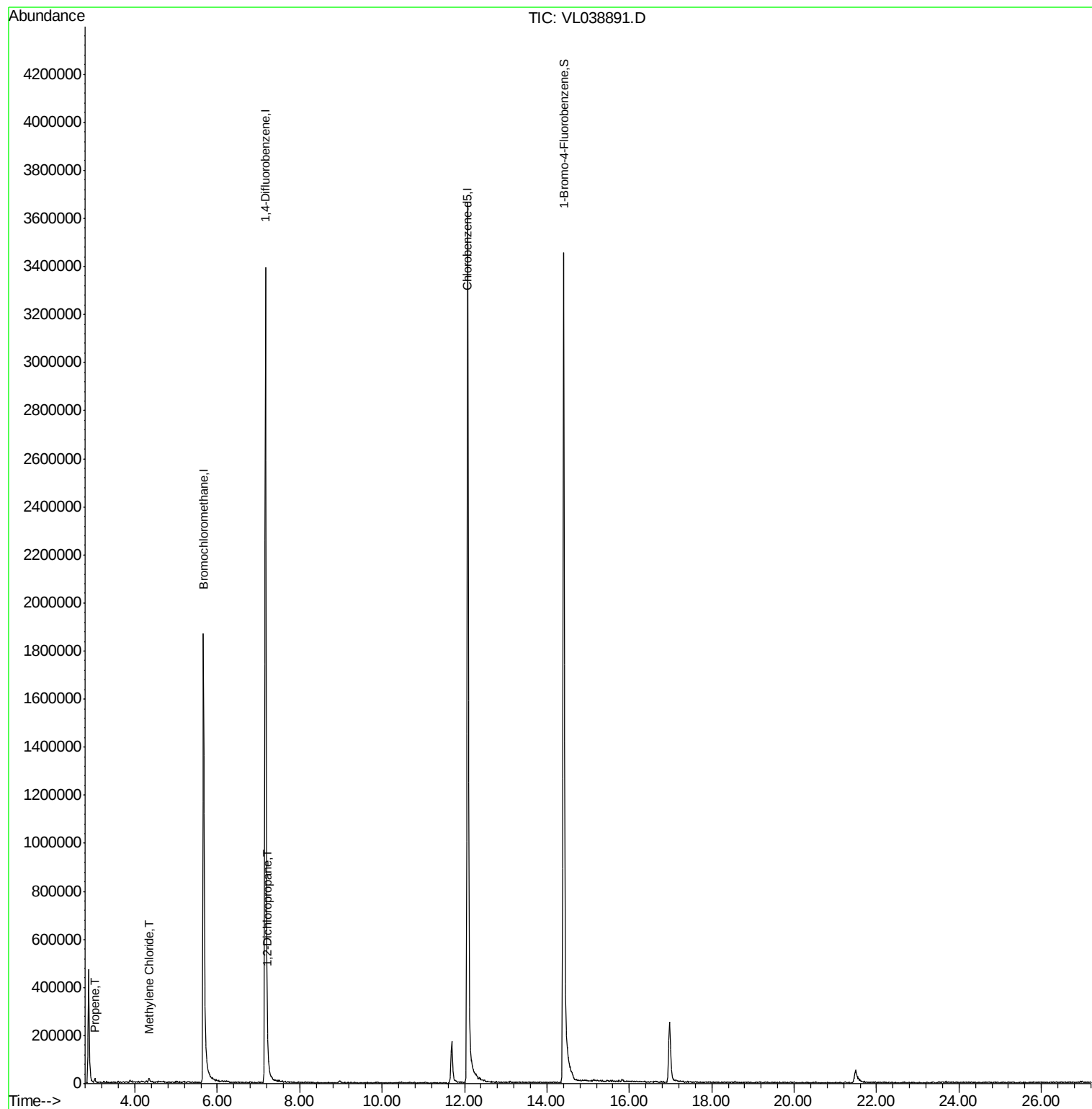
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	4160	0.056	ppbv	89
20) Methylene Chloride	4.35	84	1387	0.034	ppbv #	1
39) 1,2-Dichloropropane	7.22	63	9712	0.093	ppbv #	20

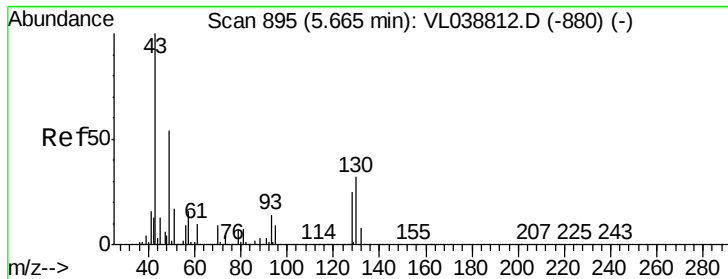
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0412ABL02

Acq: 12 Apr 2022 14:29

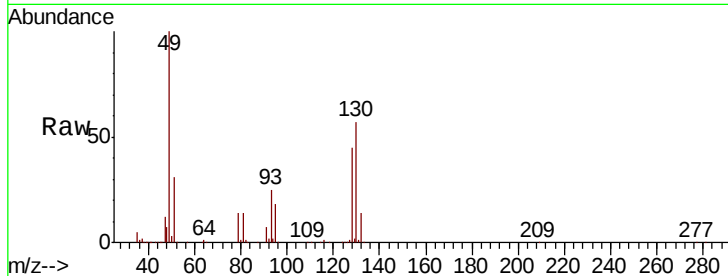
Tot Ion: 49 Resp: 1146503

Ion Ratio Lower Upper

49 100

128 48.4 24.1 72.3

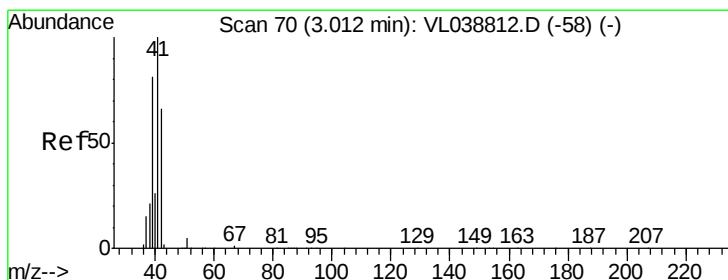
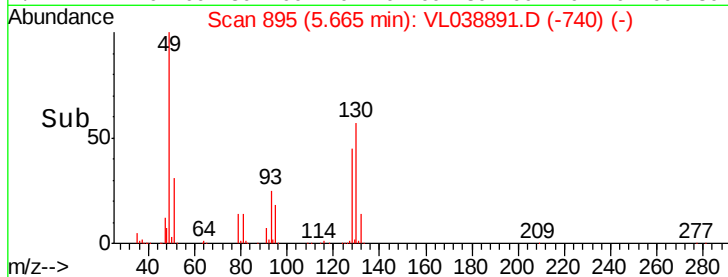
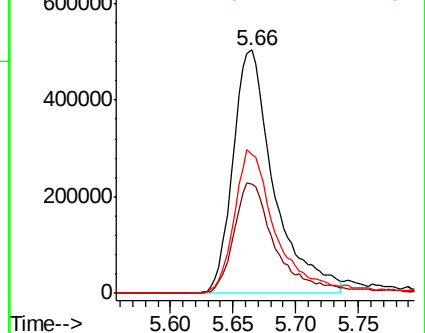
130 62.5 30.9 92.8



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



#9

Propene

Concen: 0.056 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL038891.D

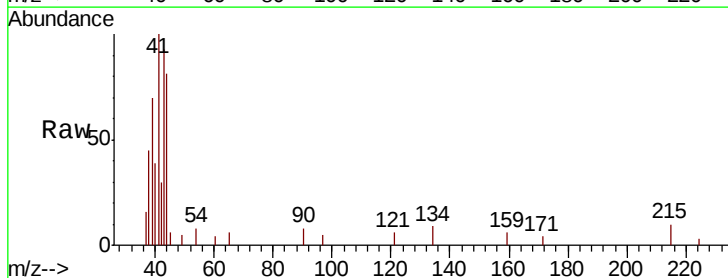
Acq: 12 Apr 2022 14:29

Tgt Ion: 41 Resp: 4160

Ion Ratio Lower Upper

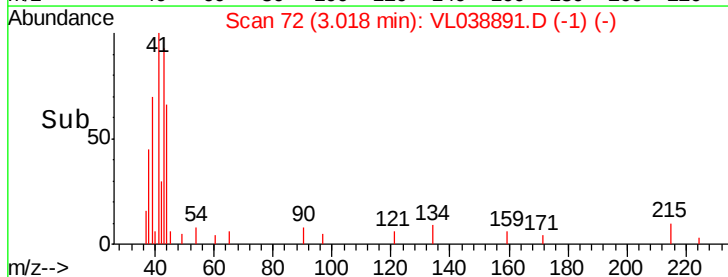
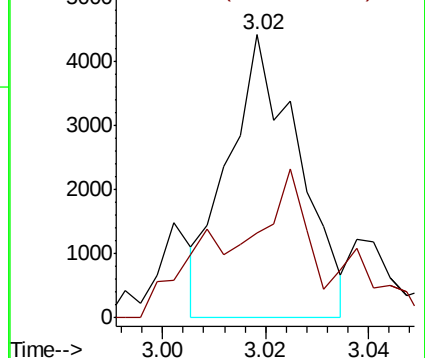
41 100

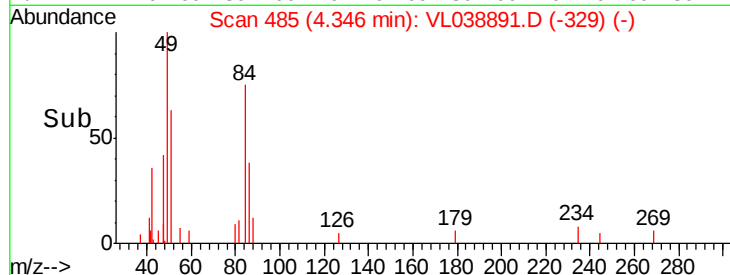
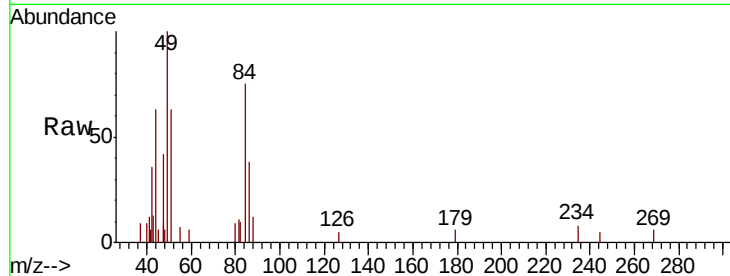
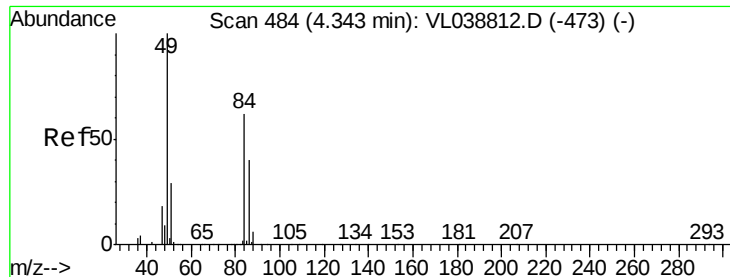
42 77.0 54.2 81.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

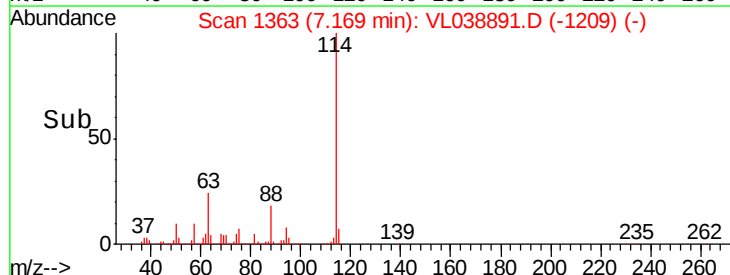
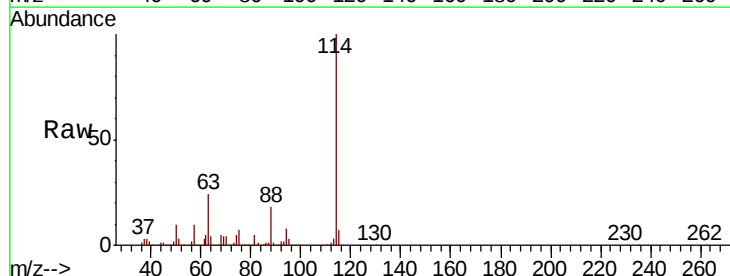
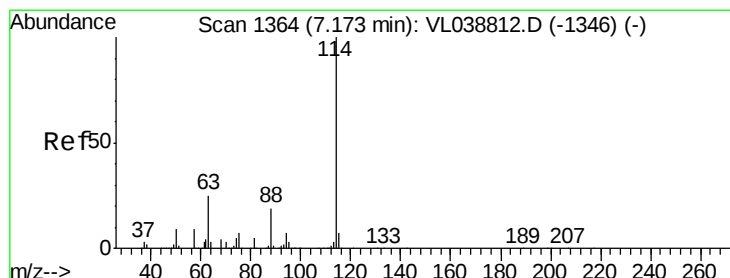
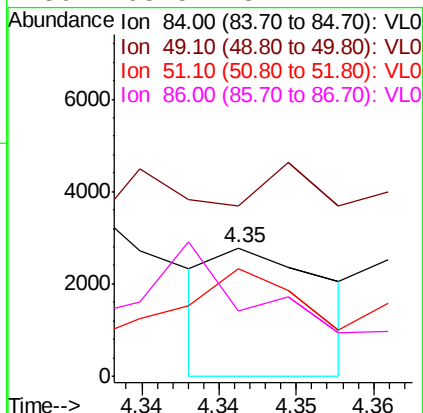
Ion 42.10 (41.80 to 42.80): VL0





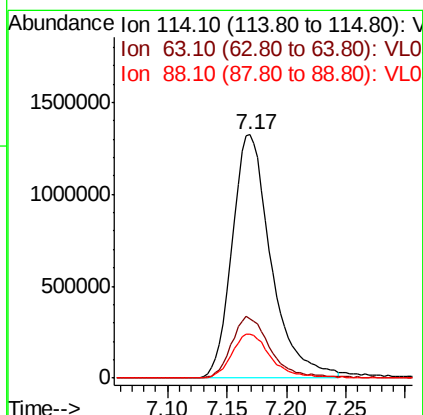
#20
Methylene Chloride
Concen: 0.034 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 12 Apr 2022 14:29

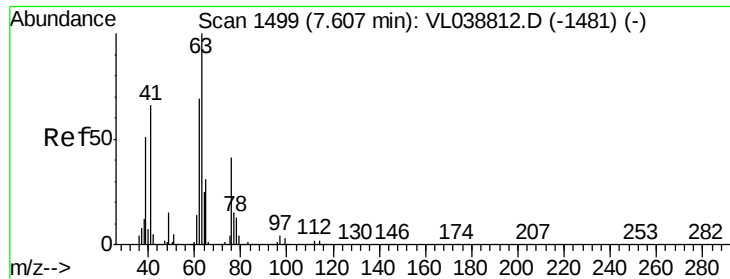
Tot Ion:	84	Resp:	1387
Ion	Ratio	Lower	Upper
84	100		
49	2.1	129.4	194.0#
51	185.2	37.4	56.2#
86	63.5	51.4	77.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T.: -0.00 min
Lab File: VL038891.D
Acq: 12 Apr 2022 14:29

Tgt Ion:	114	Resp:	3007836
Ion	Ratio	Lower	Upper
114	100		
63	25.7	19.8	29.8
88	18.5	14.2	21.4





#39

1,2-Dichloropropane

Concen: 0.093 ppbv

RT: 7.22 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0412ABL02

Acq: 12 Apr 2022 14:29

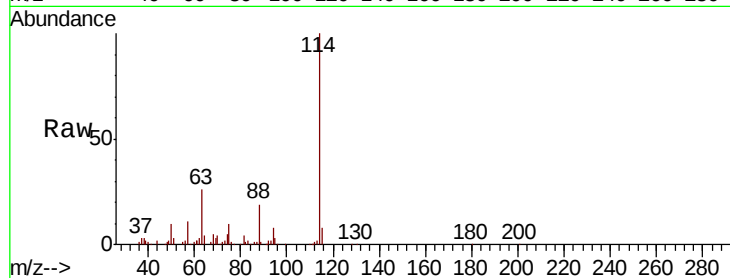
Tot Ion: 63 Resp: 9712

Ion Ratio Lower Upper

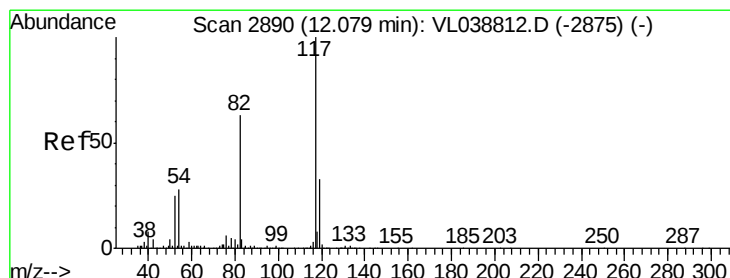
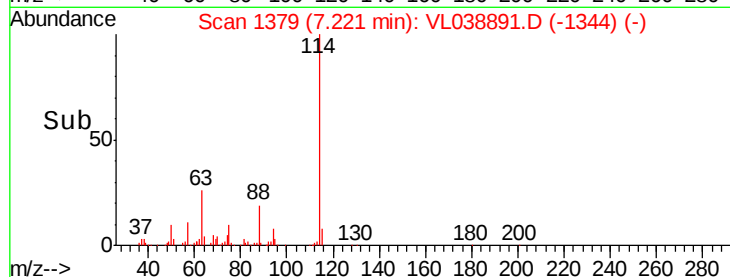
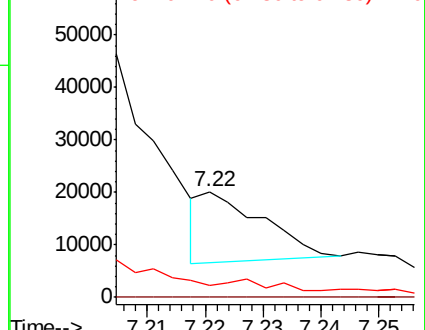
63 100

41 1.4 53.0 79.6#

62 4.6 55.0 82.4#



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: 12.08 min Scan# 2889

Delta R.T. -0.00 min

Lab File: VL038891.D

Acq: 12 Apr 2022 14:29

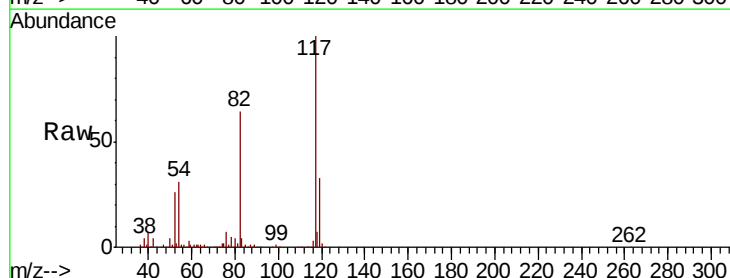
Tgt Ion: 117 Resp: 2653262

Ion Ratio Lower Upper

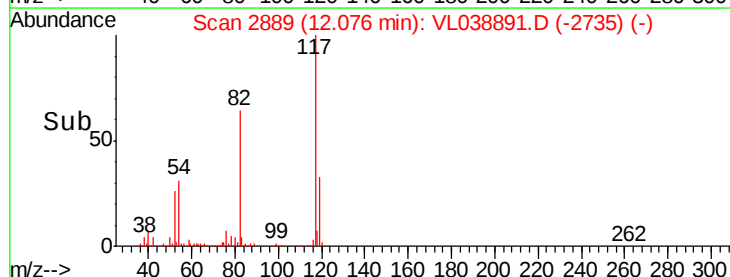
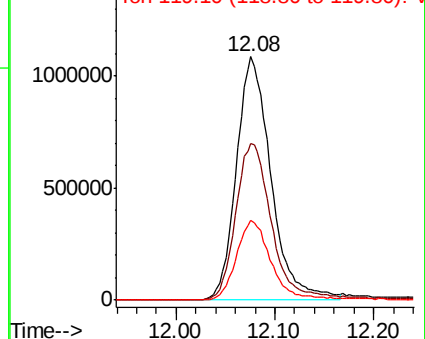
117 100

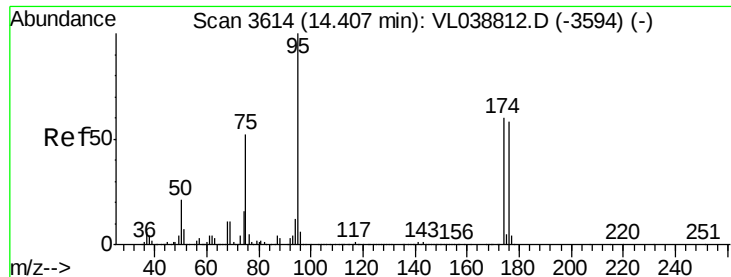
82 68.0 53.0 79.6

119 33.3 24.9 37.3



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: 10.199 ppbv

RT: 14.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Apr 2022 14.29

Tot Ion: 95 Resp: 2052691

Ion Ratio Lower Upper

95 100

174 62.9 52.0 78.0

175 4.7 4.0 6.0

