

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038982.D
 Acq On : 5 May 2022 21:17
 Operator : SY/AP
 Sample : QC050322 CAN 10267
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC050322 CAN 10267

Quant Time: May 06 07:30:08 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 07:41:27 2022
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1031281	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2543595	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2106487	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1639273	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

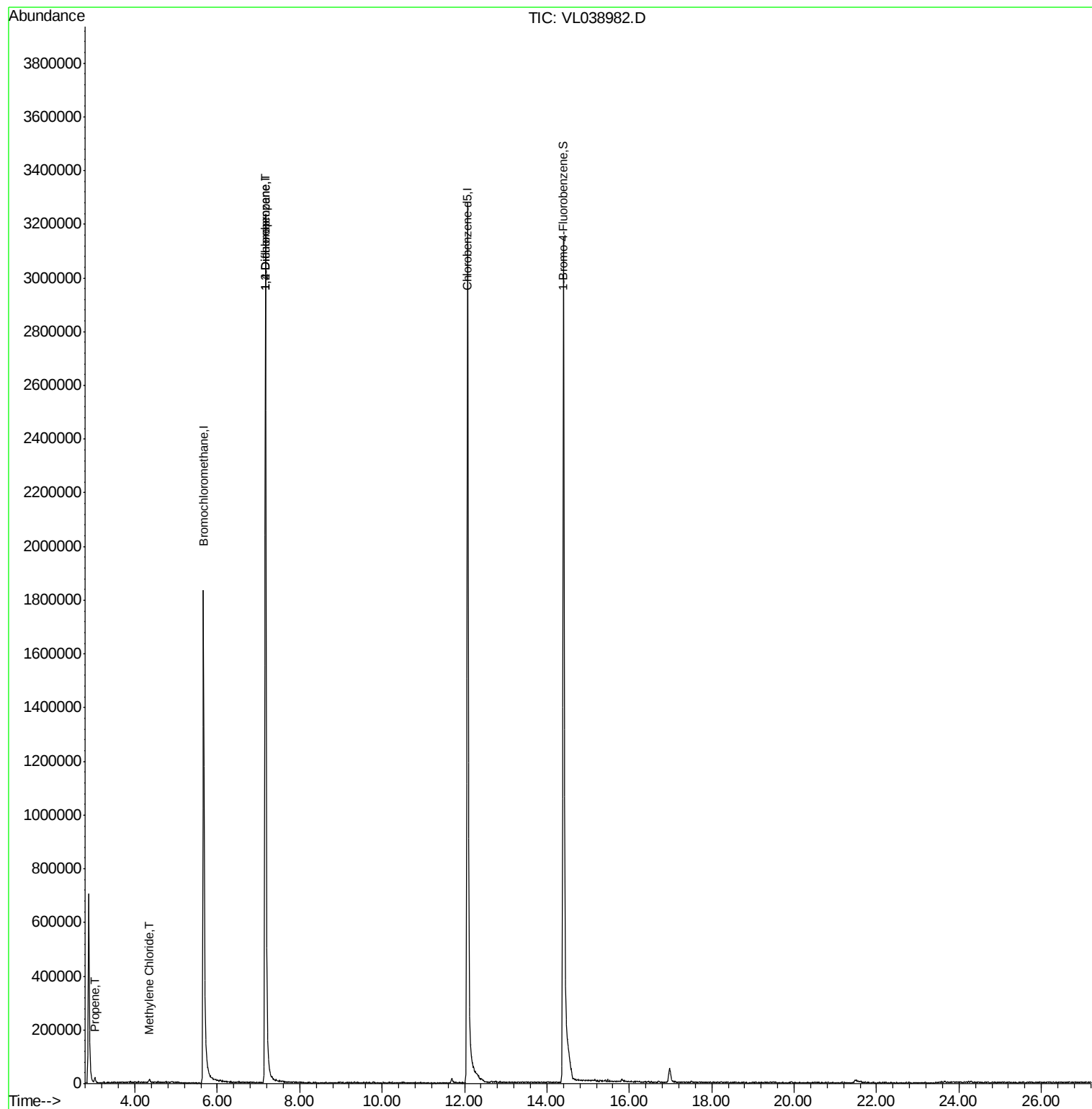
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3491	0.062	ppbv #	13
20) Methylene Chloride	4.35	84	2835	0.077	ppbv #	28
39) 1,2-Dichloropropane	7.17	63	725603	8.567	ppbv #	26

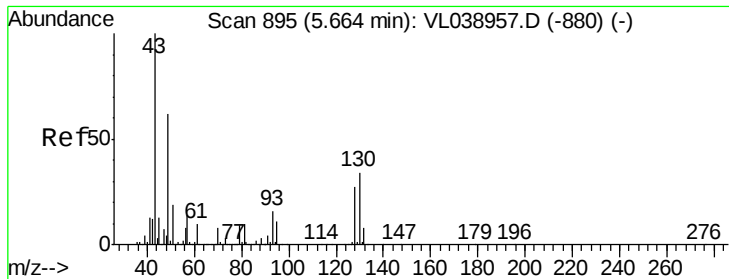
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId : OC050322 CAN 10267

Acq: 5 May 2022 21:17

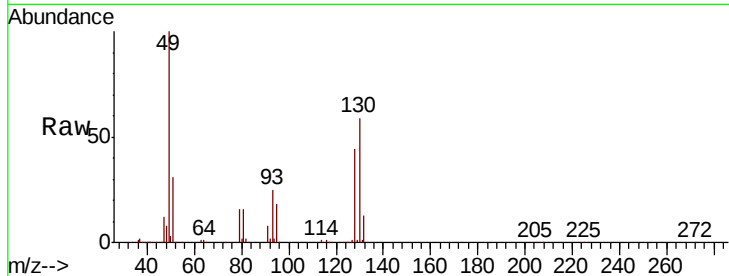
Tot Ion: 49 Resp: 1031281

Ion Ratio Lower Upper

49 100

128 49.3 23.3 69.8

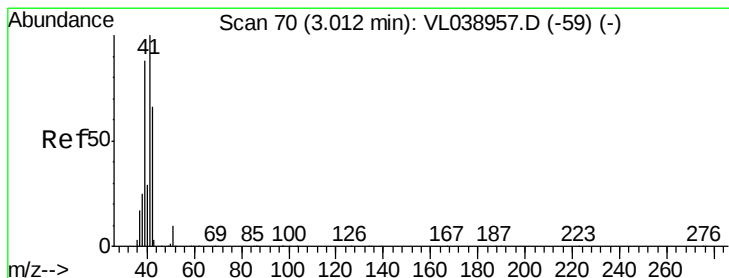
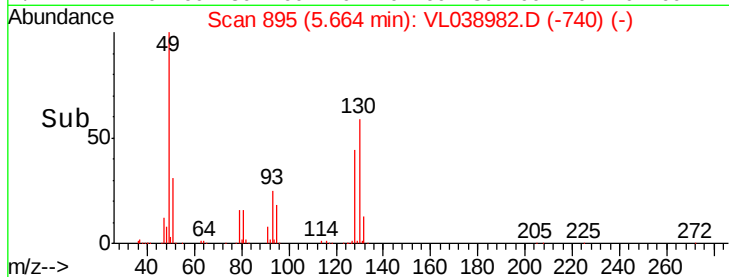
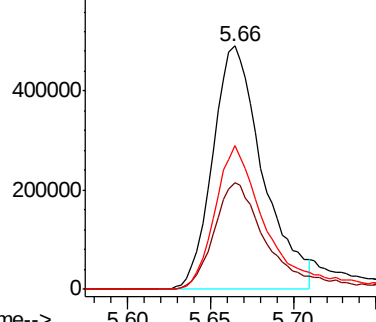
130 63.8 29.8 89.3



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: 0.062 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038982.D

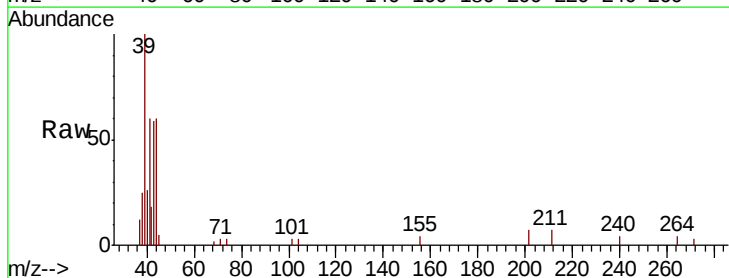
Acq: 5 May 2022 21:17

Tgt Ion: 41 Resp: 3491

Ion Ratio Lower Upper

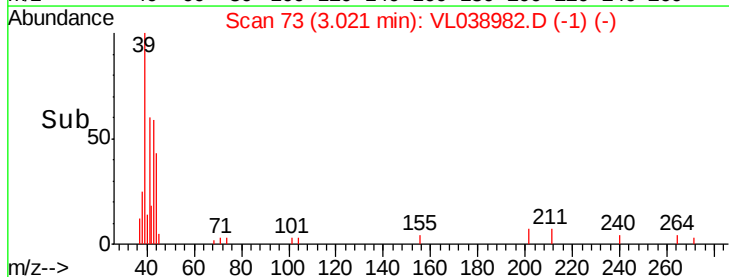
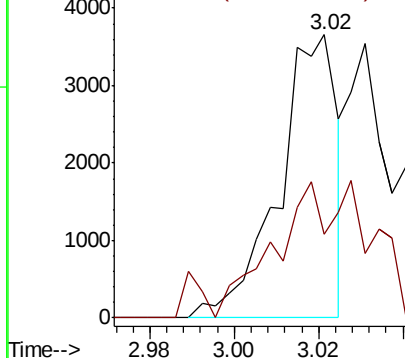
41 100

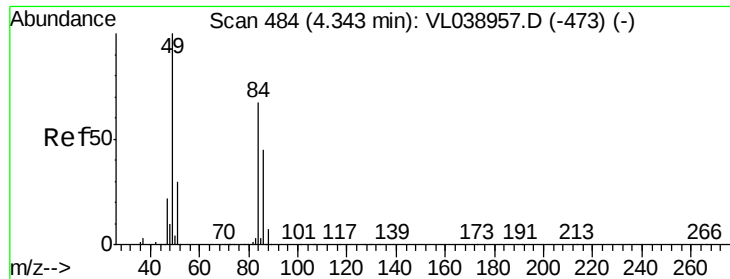
42 0.0 58.3 87.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

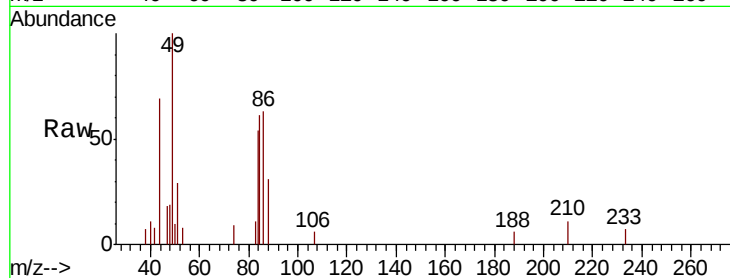
Ion 42.10 (41.80 to 42.80): VL0





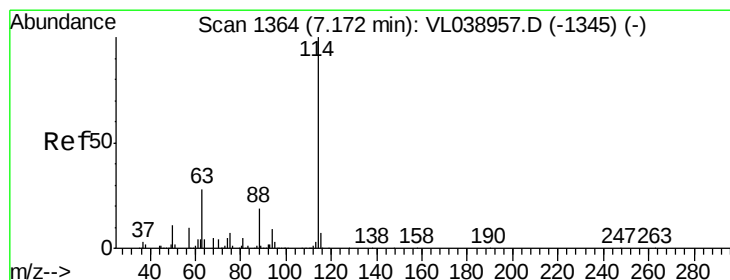
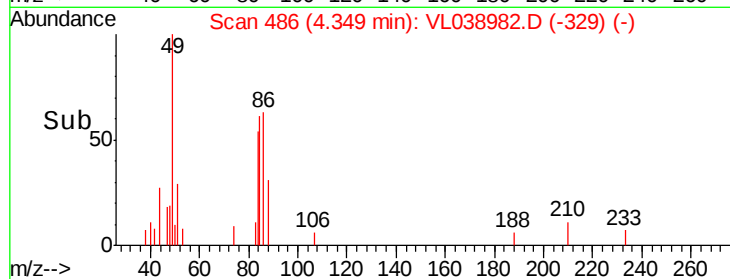
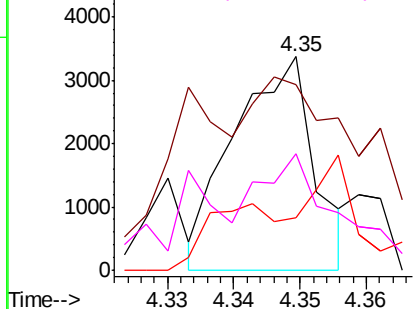
#20
Methylene Chloride
Concen: 0.077 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 21:17

Tot Ion: 84 Resp: 2835
Ion Ratio Lower Upper
84 100
49 28.4 119.9 179.9#
51 21.4 35.7 53.5#
86 32.1 53.8 80.6#



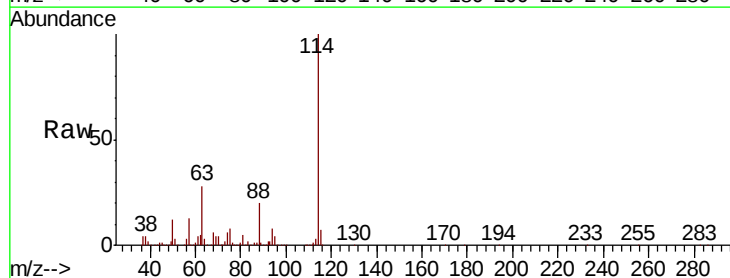
Abundance

Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0



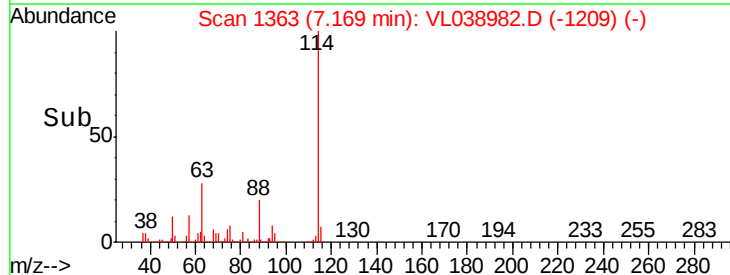
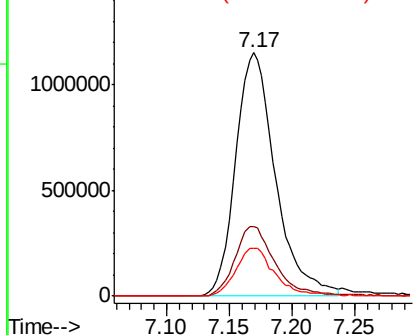
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T.: -0.00 min
Lab File: VL038982.D
Acq: 5 May 2022 21:17

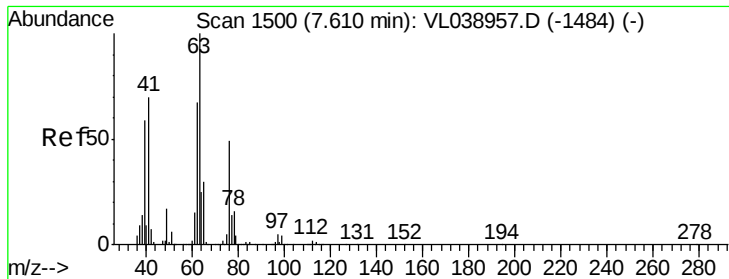
Tgt Ion: 114 Resp: 2543595
Ion Ratio Lower Upper
114 100
63 29.6 22.6 33.8
88 19.9 15.4 23.0



Abundance

Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.567 ppbv

RT: 7.17 Instrument: MSVOA_1

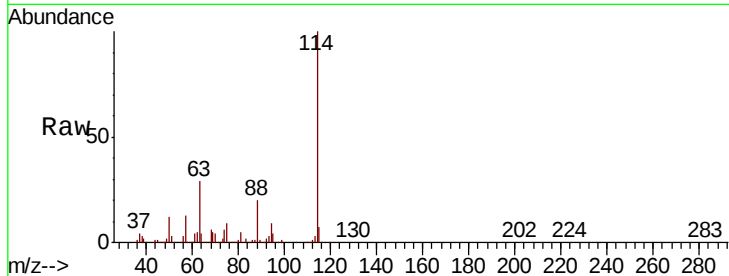
Delta R.T.

Lab File: ClientSampleId: QC050322 CAN 10267

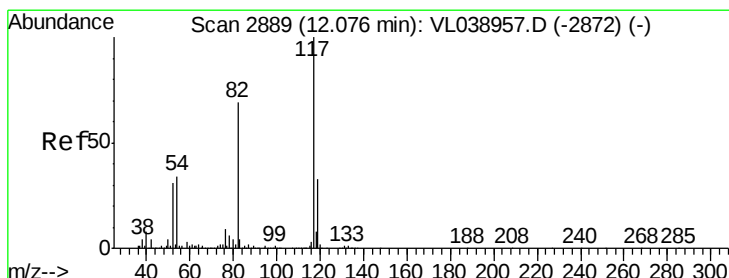
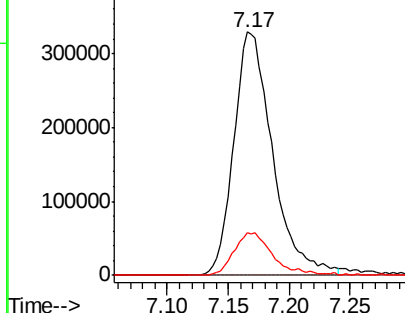
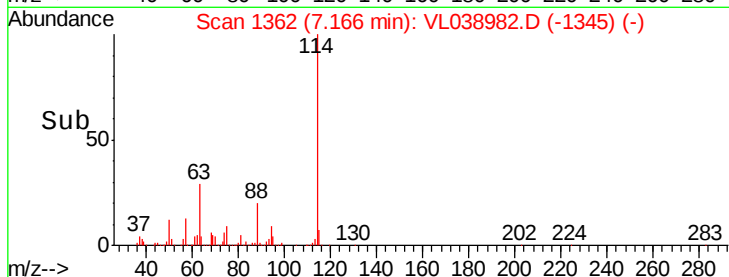
Acq: 5 May 2022 21:17

Tot Ion: 63 Resp: 725603

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	17.6	53.8	80.6#



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# 2890

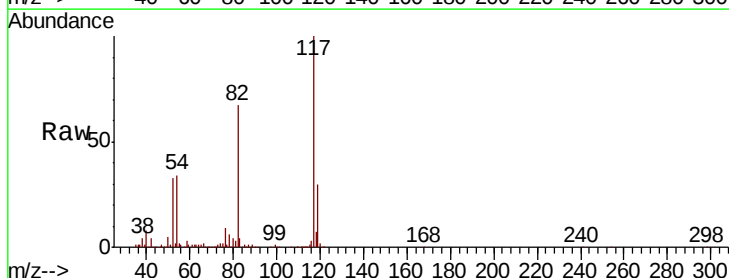
Delta R.T. 0.00 min

Lab File: VL038982.D

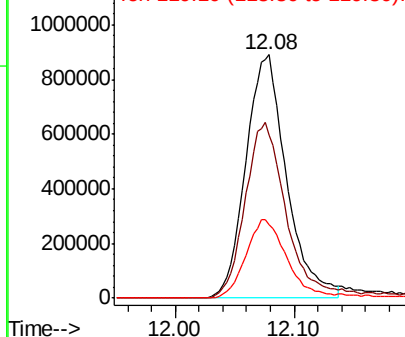
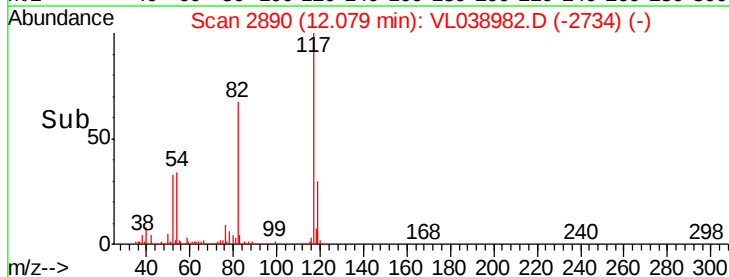
Acq: 5 May 2022 21:17

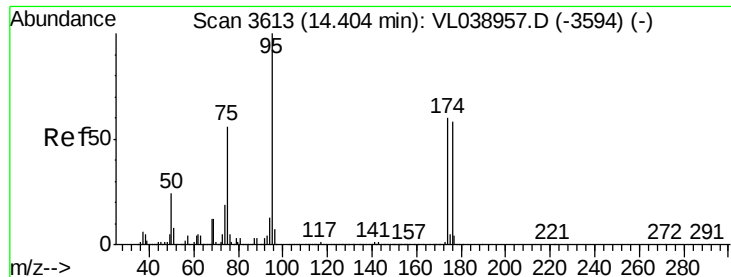
Tgt Ion: 117 Resp: 2106487

Ion	Ratio	Lower	Upper
117	100		
82	78.0	57.0	85.6
119	34.7	27.2	40.8



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: 9.826 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 21:17

Tot Ion: 95 Resp: 1639273

Ion Ratio Lower Upper

95 100

174 67.3 50.8 76.2

175 4.7 3.8 5.6

