

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037944.D
 Acq On : 1 Nov 2021 18:55
 Operator : SY/AP
 Sample : OC102721 CAN 10604
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102721 CAN 10604

Quant Time: Nov 02 06:06:40 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1479201	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4276959	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3635385	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2593238	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

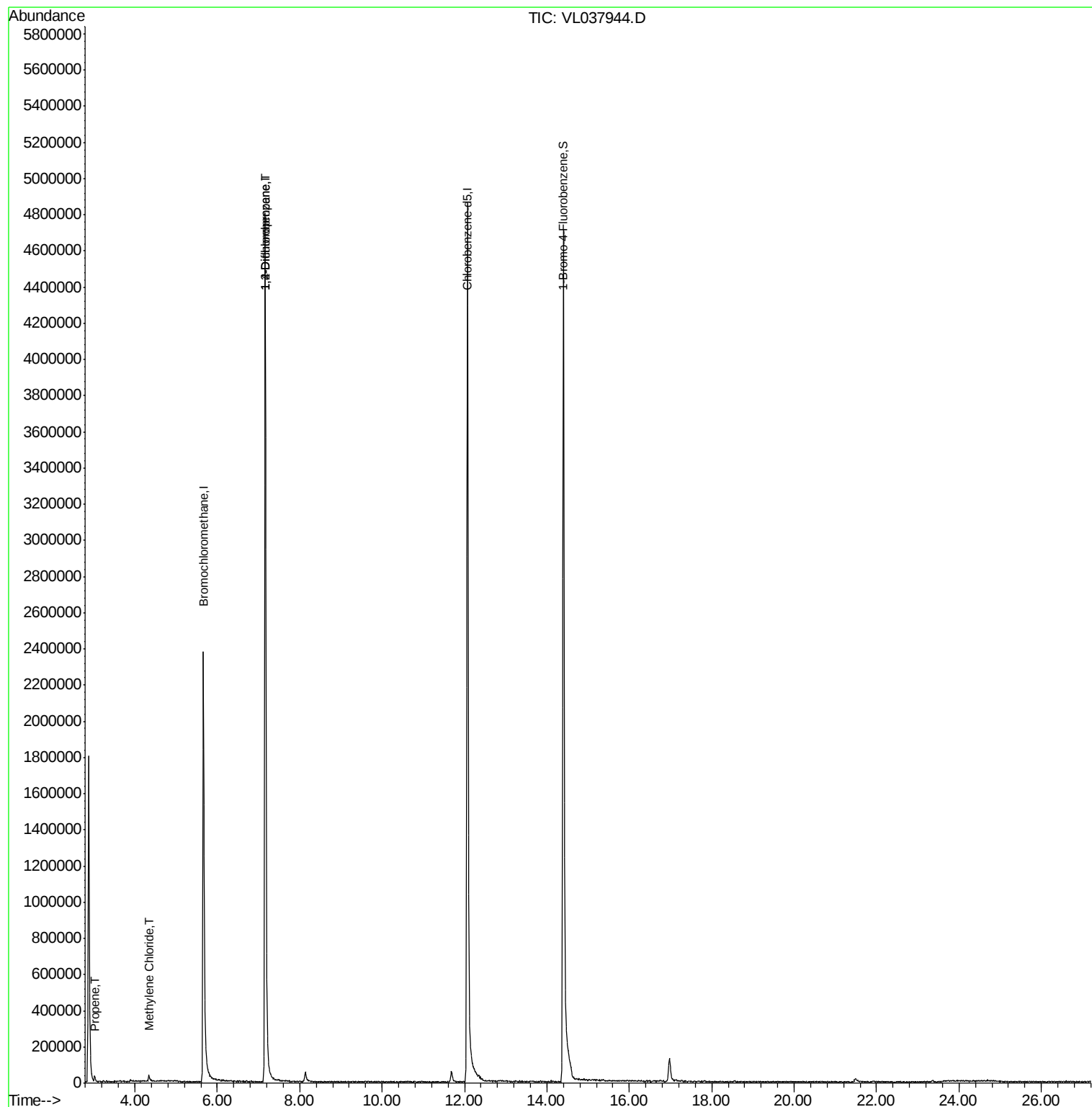
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	10021	0.101	ppbv #	81
20) Methylene Chloride	4.33	84	3779	0.056	ppbv	96
39) 1,2-Dichloropropane	7.16	63	968852	7.393	ppbv #	28

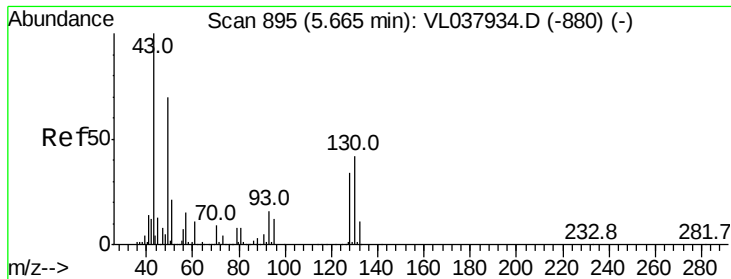
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: OC102721 CAN 10604

Acq: 1 Nov 2021 18:55

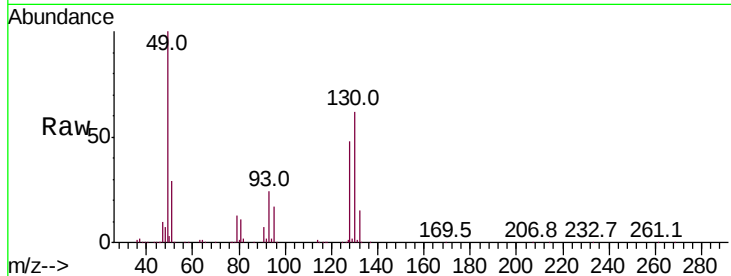
Tot Ion: 49 Resp: 1479201

Ion Ratio Lower Upper

49 100

128 51.8 27.0 81.0

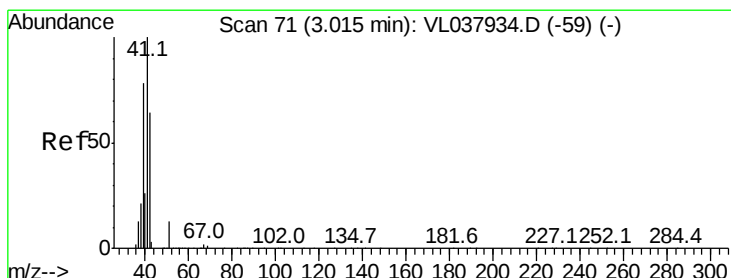
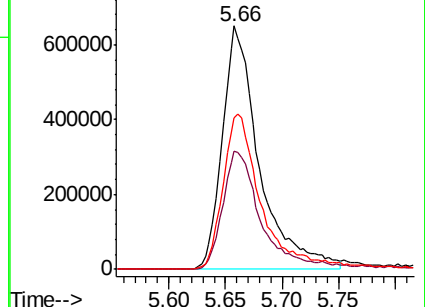
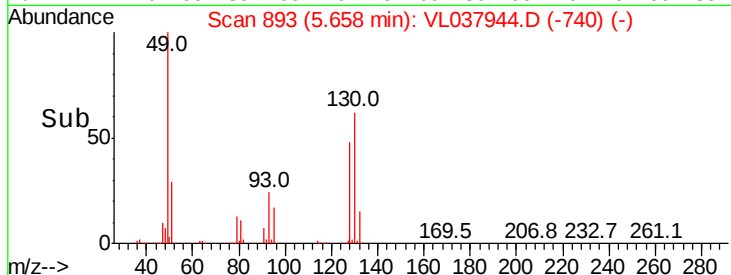
130 68.3 33.4 100.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.101 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL037944.D

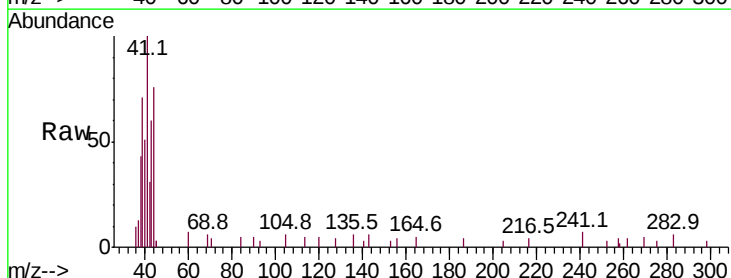
Acq: 1 Nov 2021 18:55

Tgt Ion: 41 Resp: 10021

Ion Ratio Lower Upper

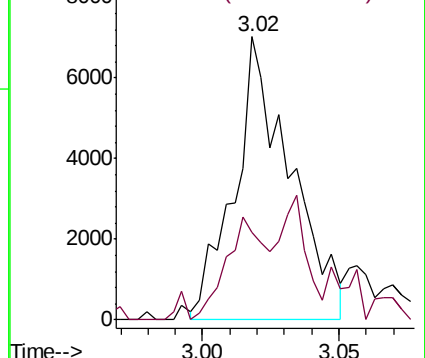
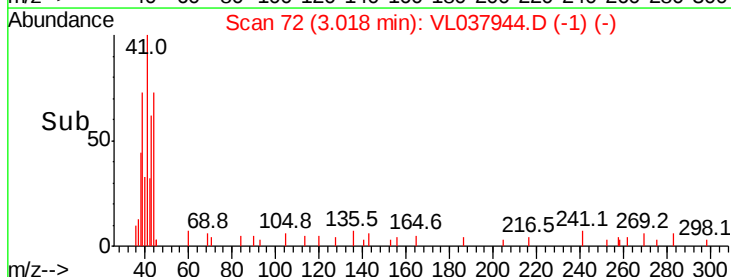
41 100

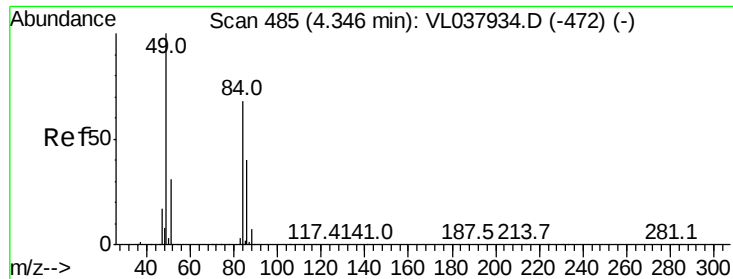
42 55.8 57.6 86.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

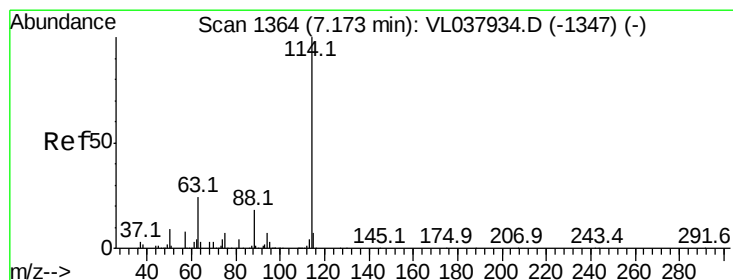
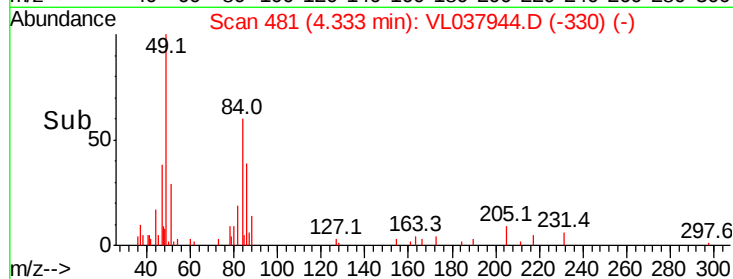
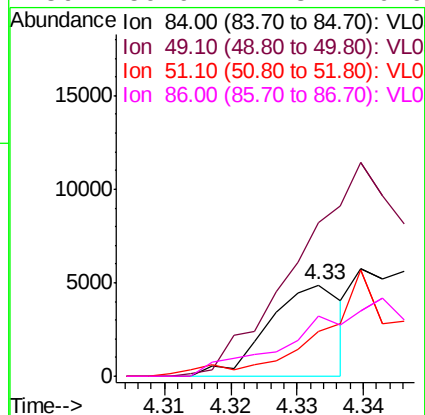
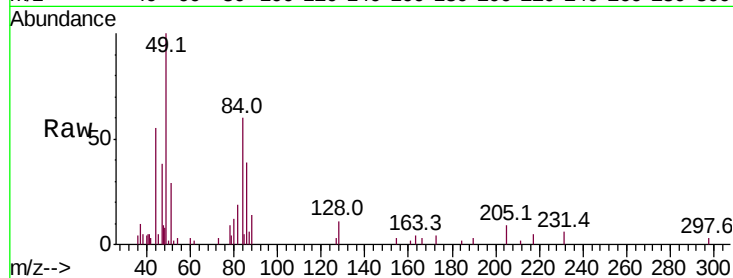
Ion 42.10 (41.80 to 42.80): VL0





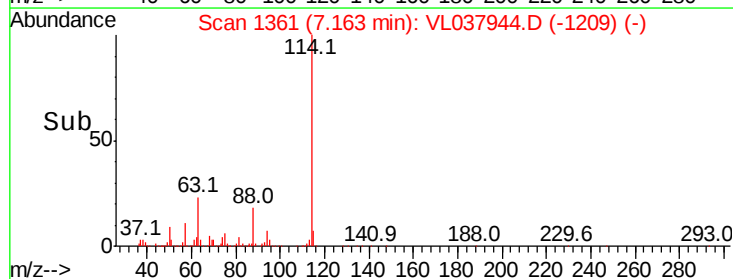
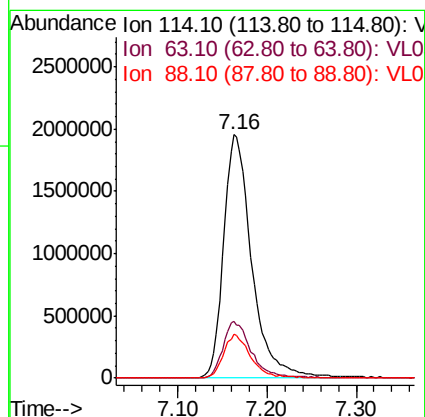
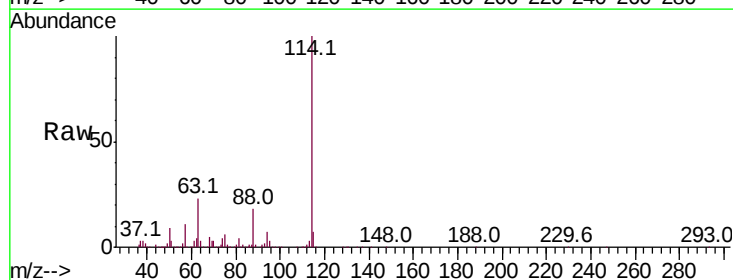
#20
Methvlene Chloride
Concen: 0.056 ppbv
RT: 4.33
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
OC102721 CAN 10604
Acq: 1 Nov 2021 18:55

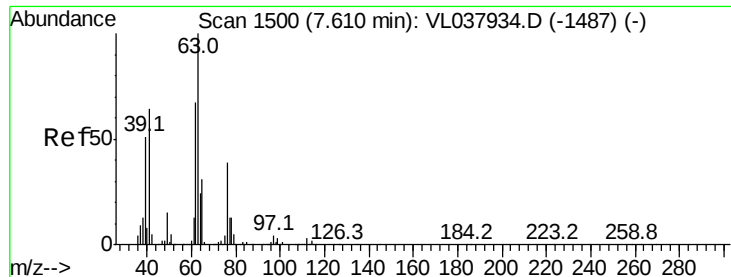
Tot Ion:	84	Resp:	3779
Ion	Ratio	Lower	Upper
84	100		
49	150.7	117.5	176.3
51	38.9	35.9	53.9
86	59.9	47.3	70.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL037944.D
Acq: 1 Nov 2021 18:55

Tgt Ion:	114	Resp:	4276959
Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.4	29.0
88	17.6	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.393 ppbv

RT: 7.16 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 1 Nov 2021 18:55 OC102721 CAN 10604

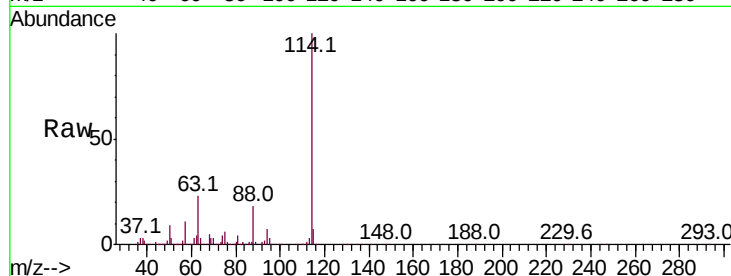
Tot Ion: 63 Resp: 968852

Ion Ratio Lower Upper

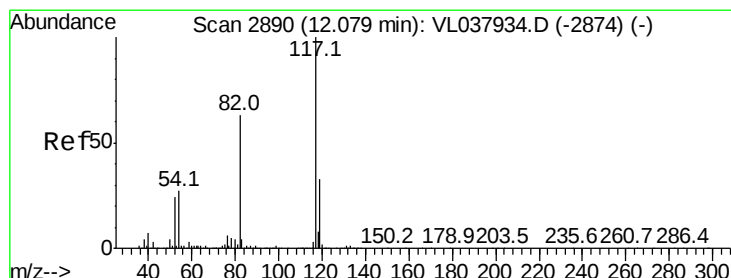
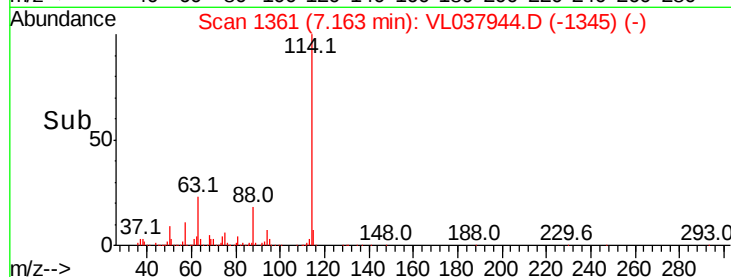
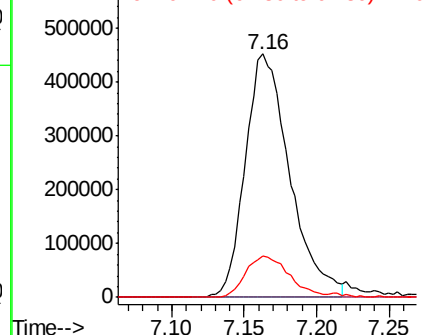
63 100

41 0.1 51.6 77.4#

62 17.1 53.5 80.3#



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# 2888

Delta R.T. -0.01 min

Lab File: VL037944.D

Acq: 1 Nov 2021 18:55

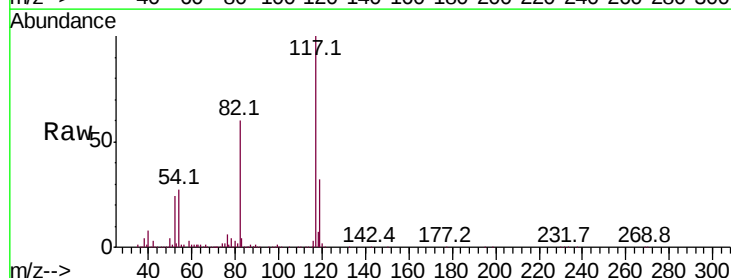
Tgt Ion: 117 Resp: 3635385

Ion Ratio Lower Upper

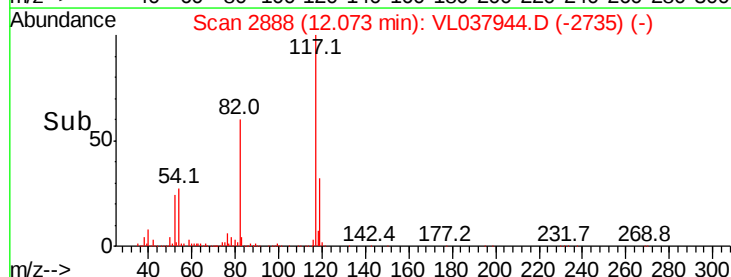
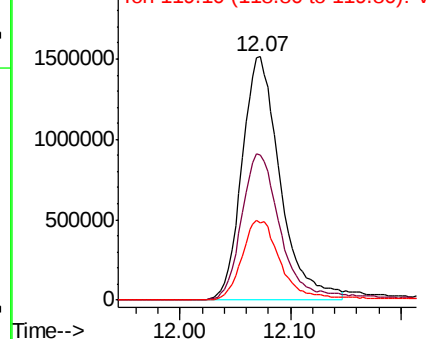
117 100

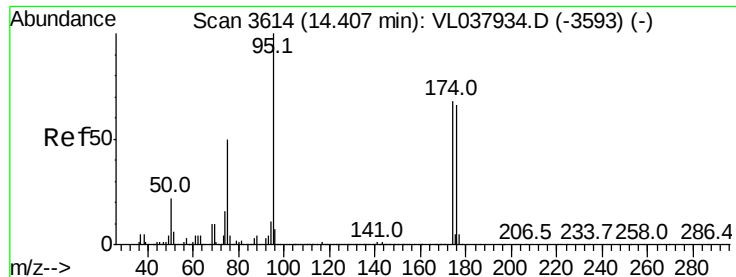
82 64.5 51.0 76.6

119 34.1 26.9 40.3



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: 9.813 ppbv

RT: 14.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 1 Nov 2021 18:55 OC102721 CAN 10604

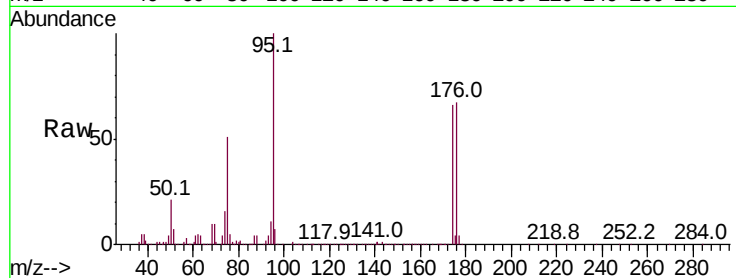
Tot Ion: 95 Resp: 2593238

Ion Ratio Lower Upper

95 100

174 75.8 58.3 87.5

175 5.8 4.6 6.8



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

