

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092821\
 Data File : VL037700.D
 Acq On : 28 Sep 2021 12:22
 Operator : SY/AP
 Sample : VL0928ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 29 03:40:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1447540	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4286764	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	3689732	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2505827	9.40	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.00%

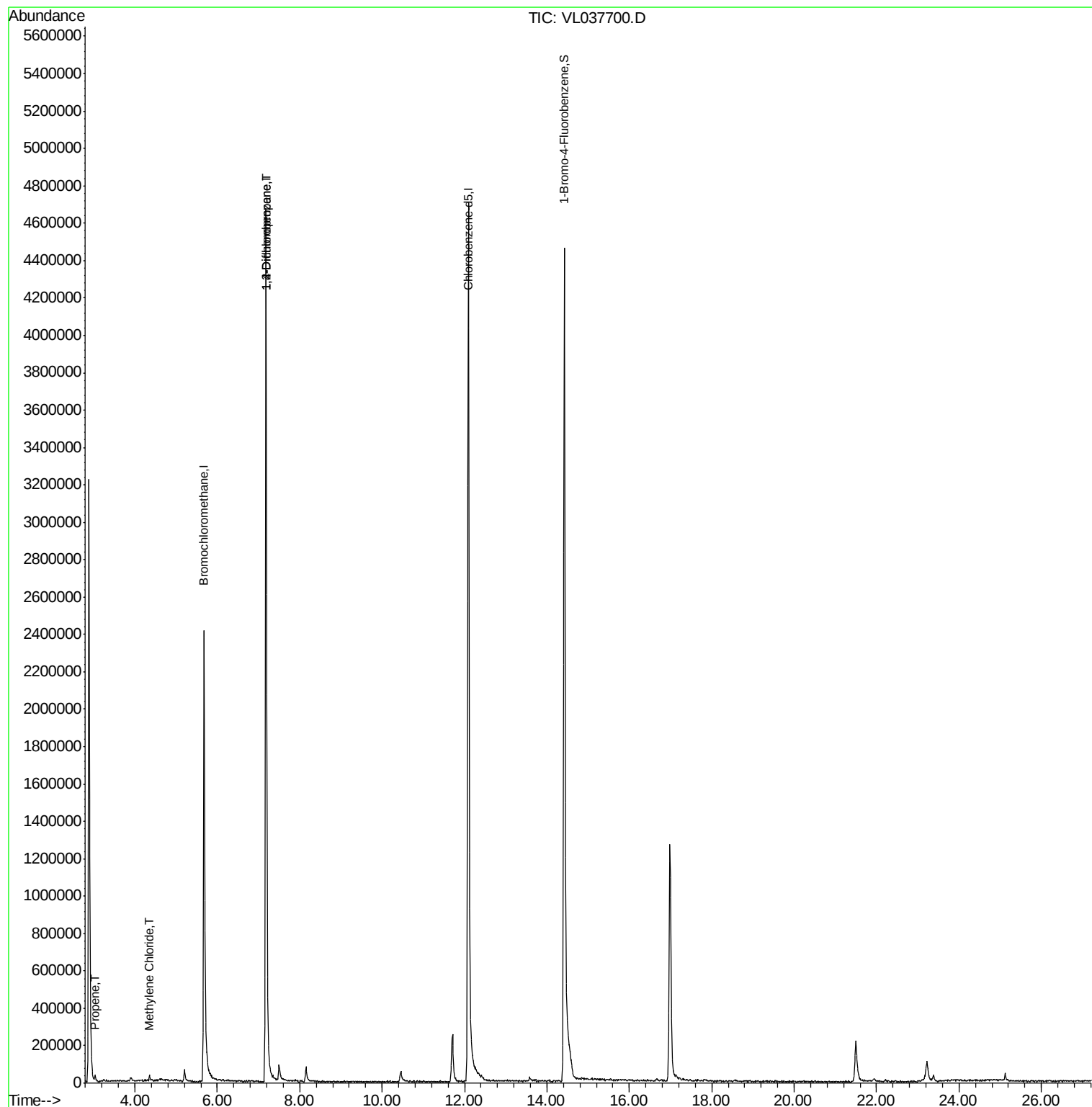
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	6973	0.072	ppbv #	66
20) Methylene Chloride	4.35	84	2713	0.038	ppbv #	67
39) 1,2-Dichloropropane	7.18	63	989644	7.228	ppbv #	27

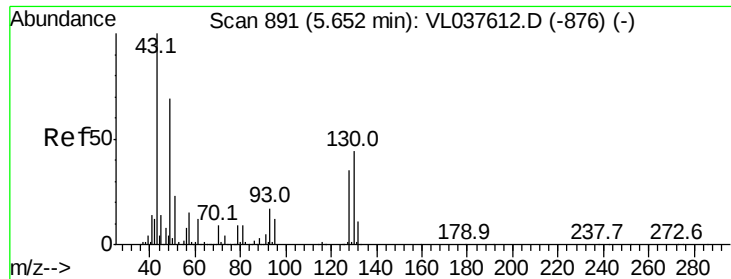
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 12:22

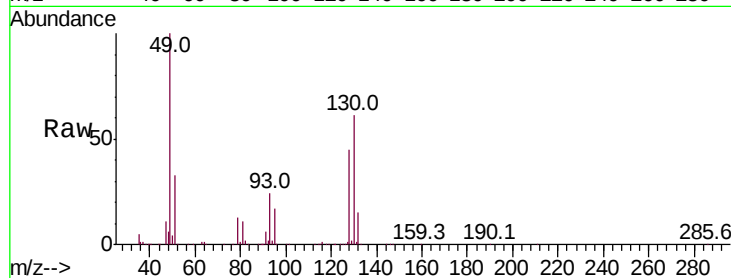
Tot Ion: 49 Resp: 1447540

Ion Ratio Lower Upper

49 100

128 53.4 27.9 83.6

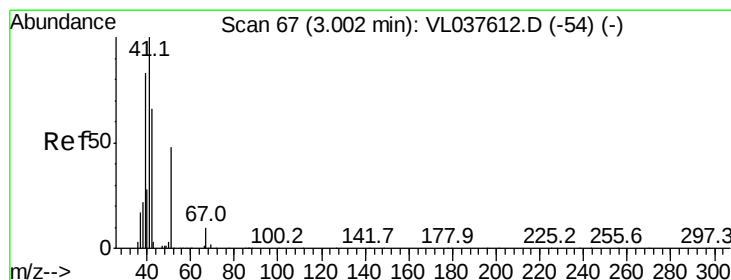
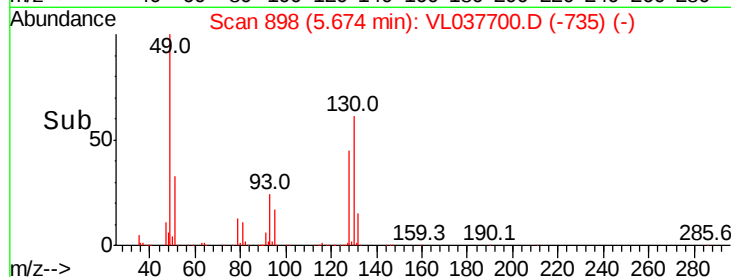
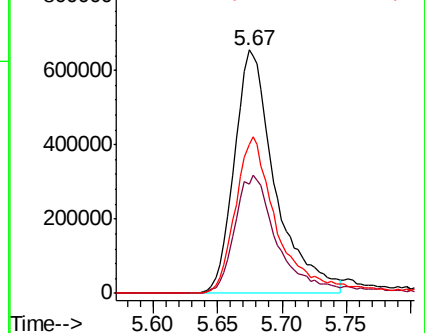
130 67.5 33.9 101.7



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: 0.072 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.03 min

Lab File: VL037700.D

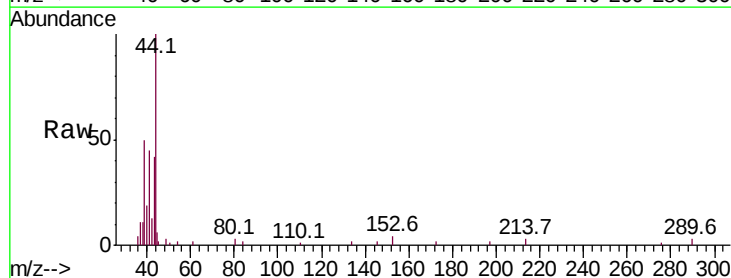
Acq: 28 Sep 2021 12:22

Tgt Ion: 41 Resp: 6973

Ion Ratio Lower Upper

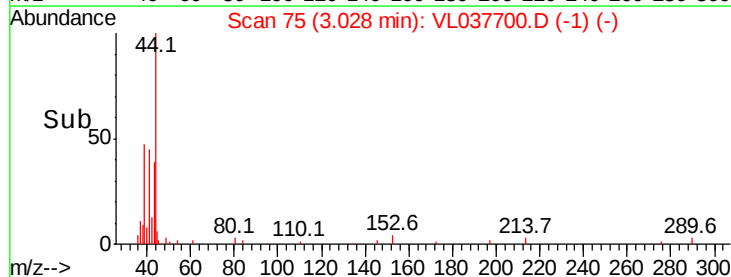
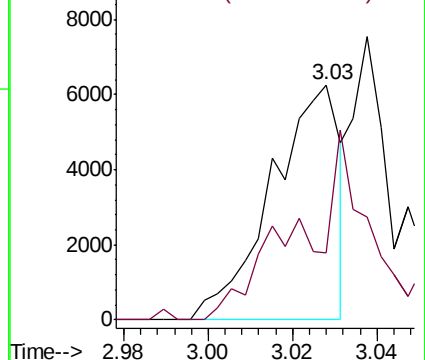
41 100

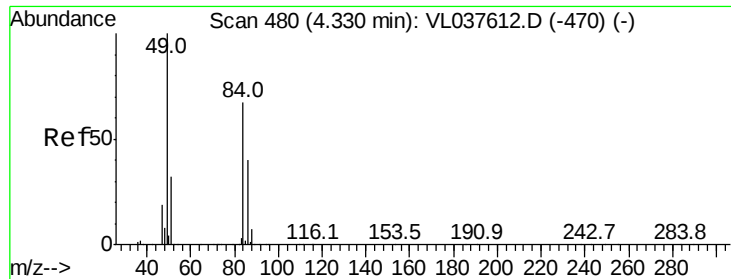
42 99.6 57.2 85.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

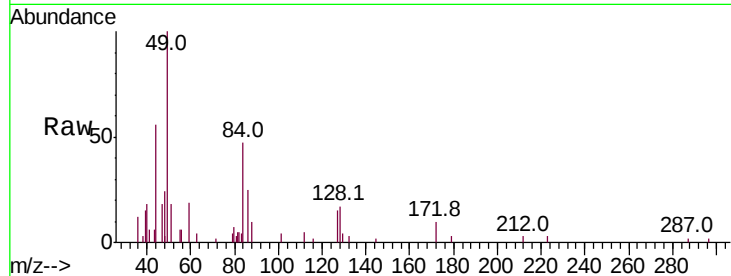
Ion 42.10 (41.80 to 42.80): VL0





#20
Methylene Chloride
Concen: 0.038 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 28 Sep 2021 12:22

Tot Ion:	84	Resp:	2713
Ion	Ratio	Lower	Upper
84	100		
49	212.1	120.0	180.0#
51	38.5	38.0	57.0
86	52.3	48.2	72.2



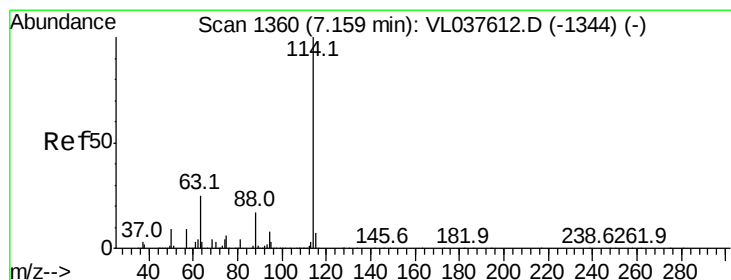
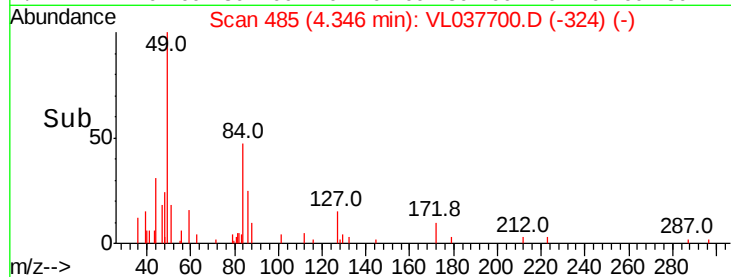
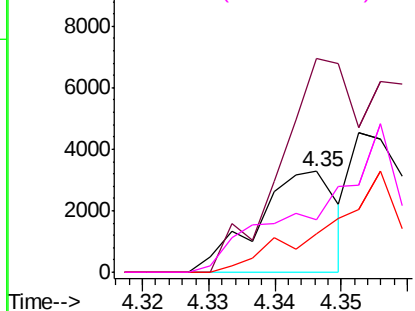
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

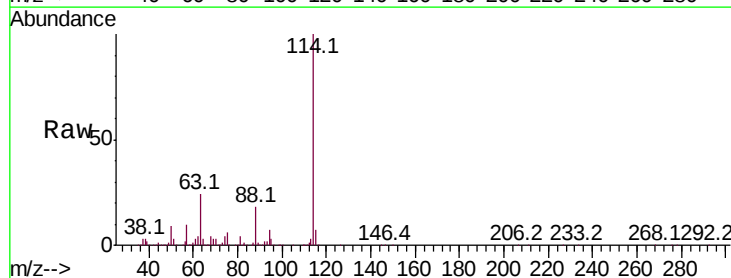
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VL037700.D
Acq: 28 Sep 2021 12:22

Tgt Ion:	114	Resp:	4286764
Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.6	29.4
88	18.0	14.2	21.4

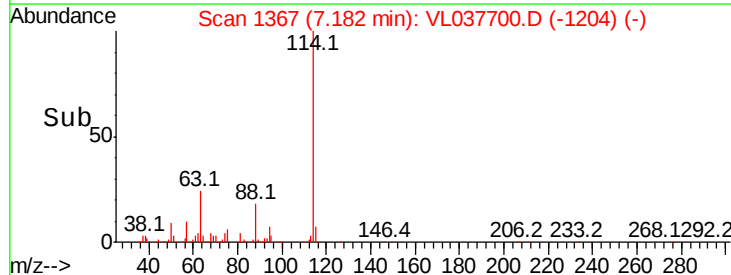
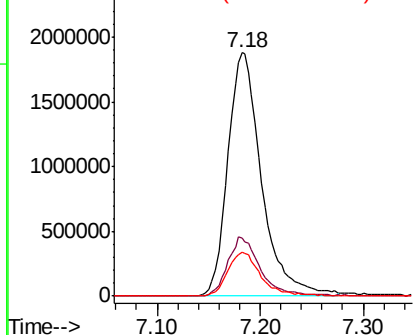


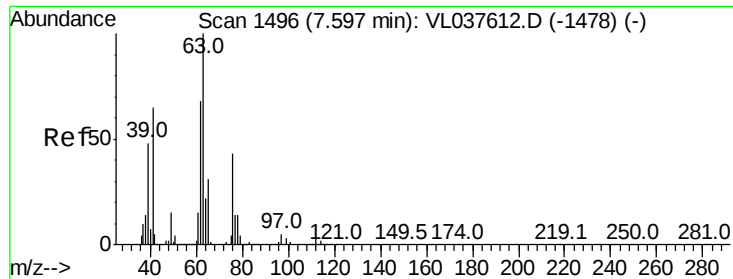
Abundance

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: 7.228 ppbv

RT: 7.18 Instrument:

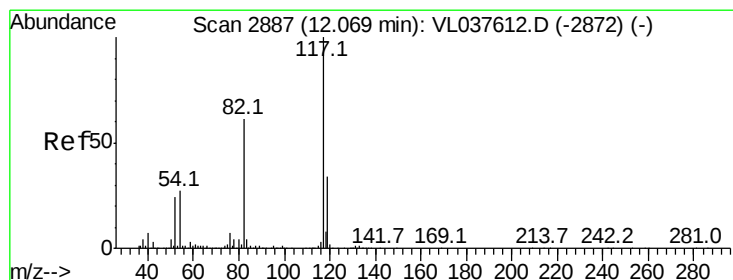
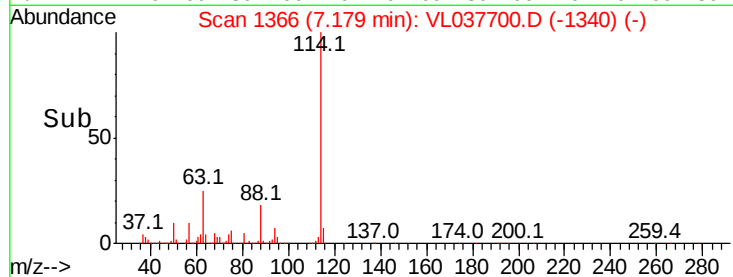
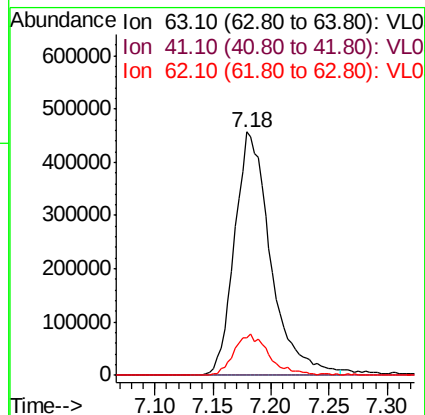
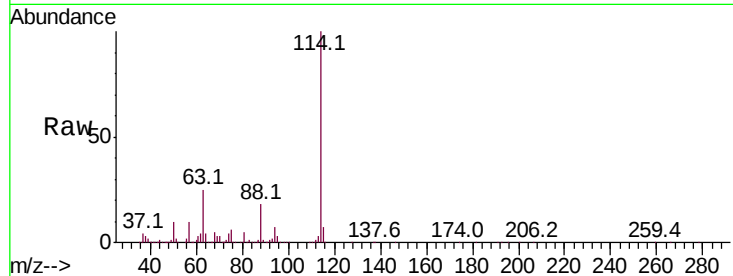
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 12:22

Tot Ion: 63 Resp: 989644

Ion	Ratio	Lower	Upper
63	100		
41	0.1	51.6	77.4#
62	15.6	54.6	81.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

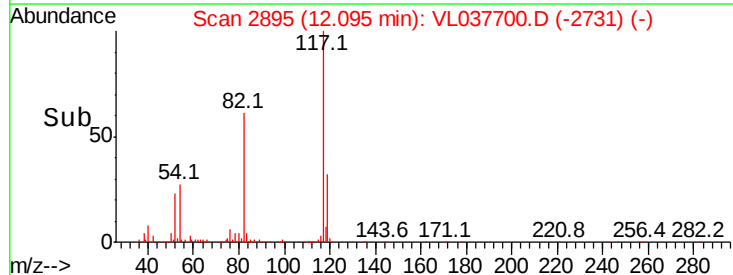
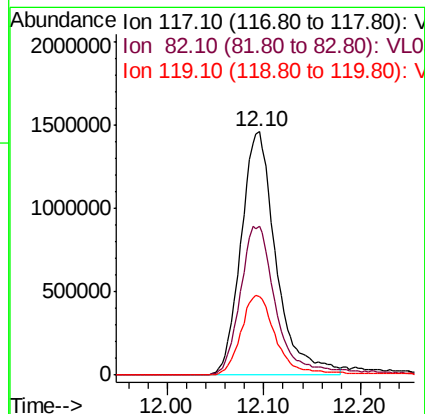
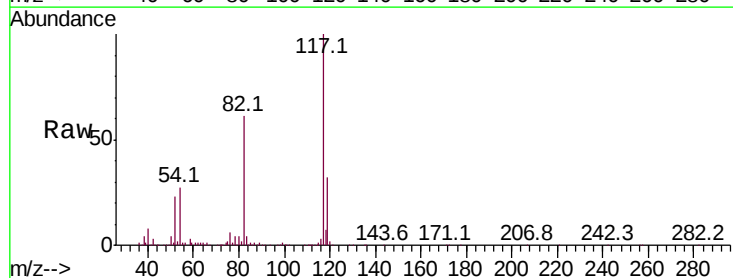
Delta R.T. 0.03 min

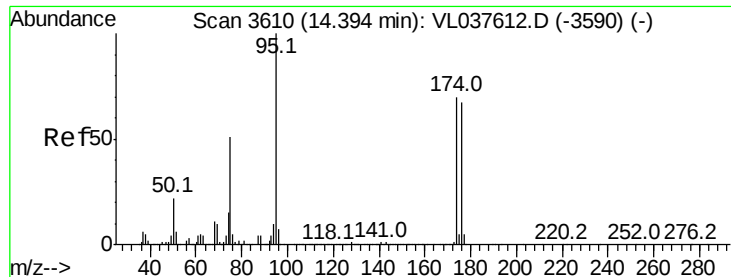
Lab File: VL037700.D

Acq: 28 Sep 2021 12:22

Tgt Ion: 117 Resp: 3689732

Ion	Ratio	Lower	Upper
117	100		
82	65.5	50.6	75.8
119	33.4	26.2	39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.397 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 12.22

Tot Ion: 95 Resp: 2505827

Ion Ratio Lower Upper

95 100

174 80.0 56.3 84.5

175 5.7 4.4 6.6

