

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092821\
 Data File : VL037722.D
 Acq On : 29 Sep 2021 3:33
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 29 06:07:09 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	1265452	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3859473	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3214983	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2211273	9.52	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

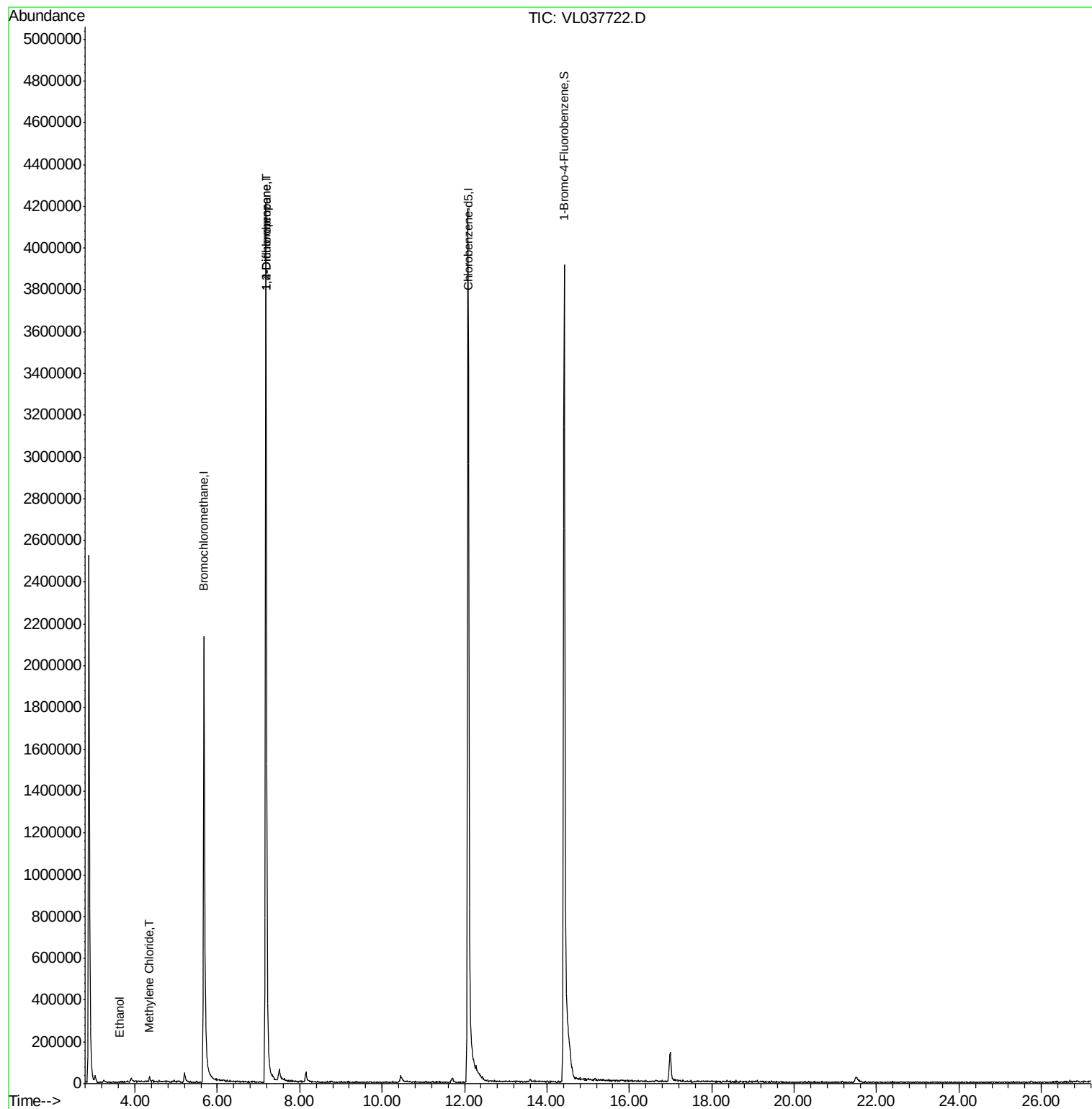
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	249	0.030	ppbv #	33
20) Methylene Chloride	4.34	84	2718	0.043	ppbv #	53
39) 1,2-Dichloropropane	7.18	63	895678	7.266	ppbv #	26

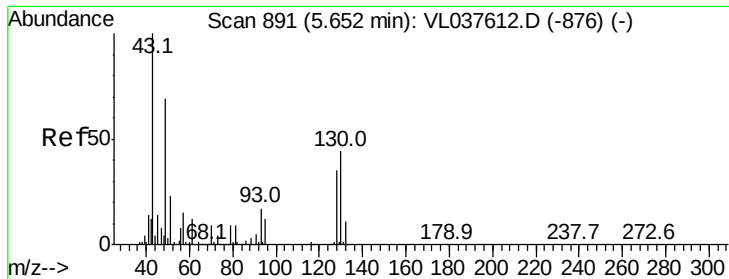
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 3:33

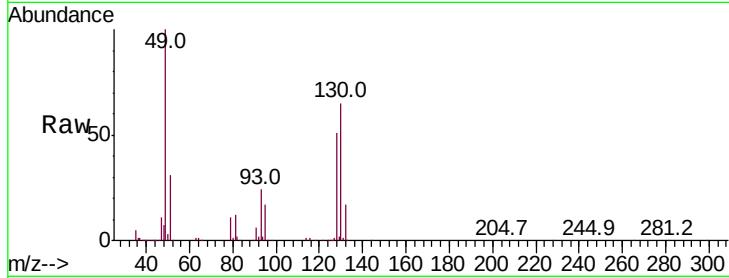
Tot Ion: 49 Resp: 1265452

Ion Ratio Lower Upper

49 100

128 54.3 27.9 83.6

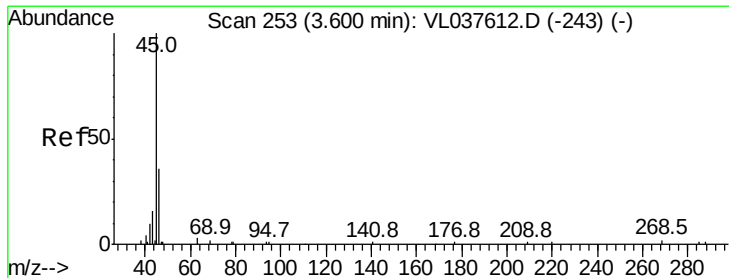
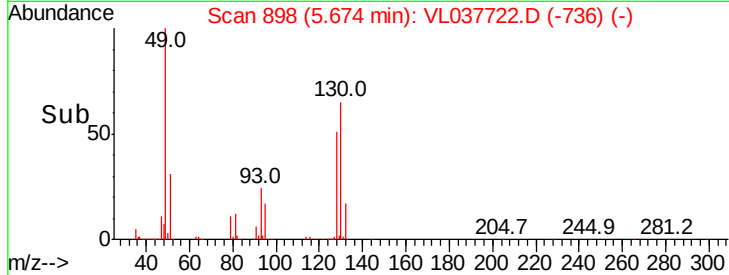
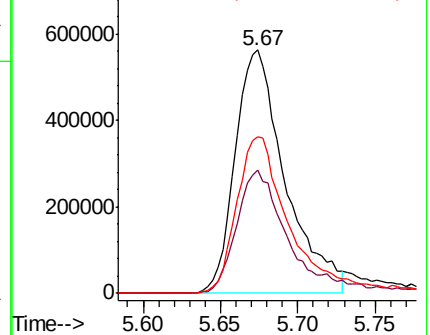
130 71.6 33.9 101.7



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



#13

Ethanol

Concen: 0.030 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.03 min

Lab File: VL037722.D

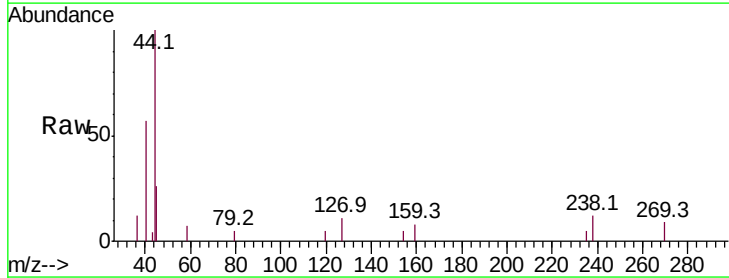
Acq: 29 Sep 2021 3:33

Tgt Ion: 45 Resp: 249

Ion Ratio Lower Upper

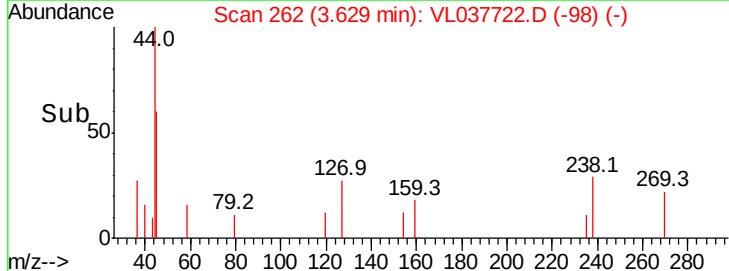
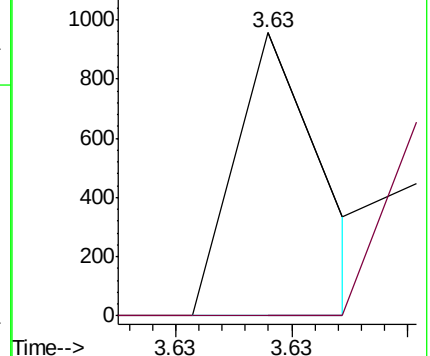
45 100

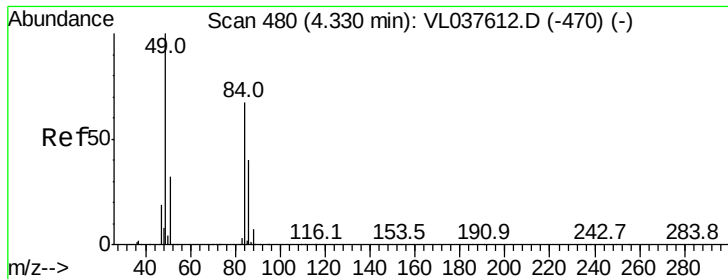
46 0.0 17.2 68.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

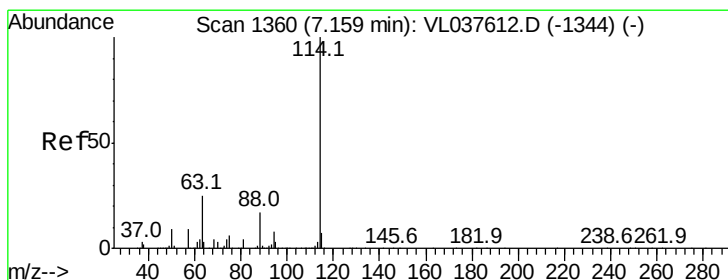
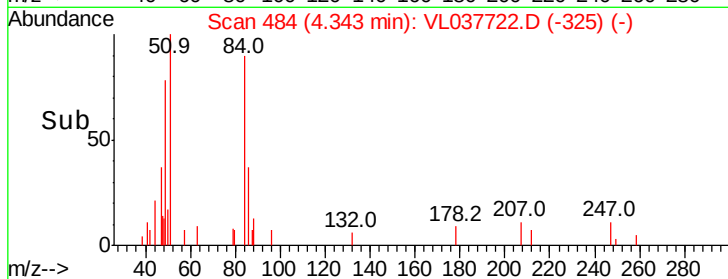
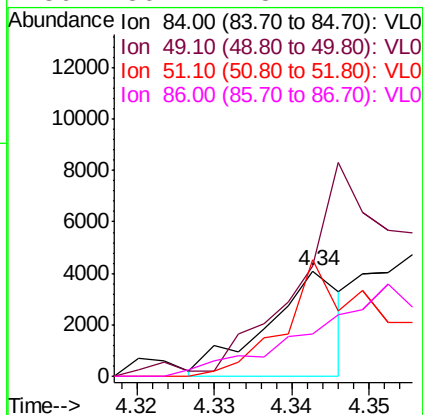
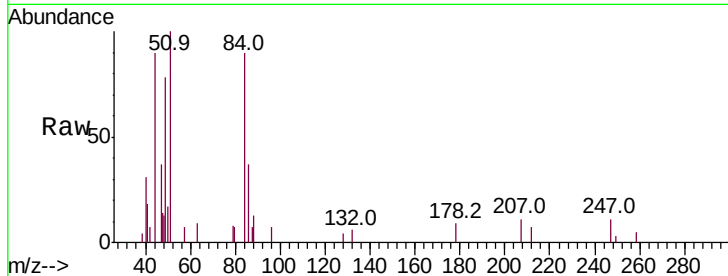
Ion 46.10 (45.80 to 46.80): VL0





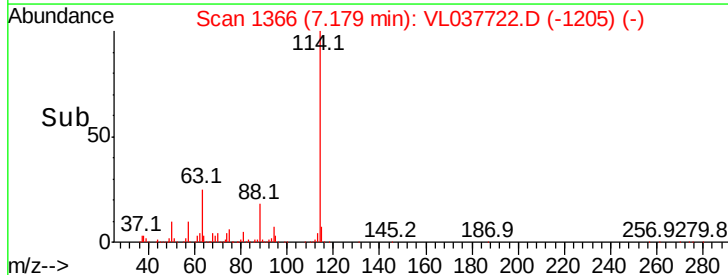
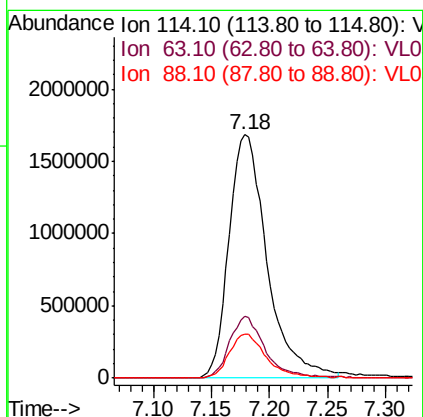
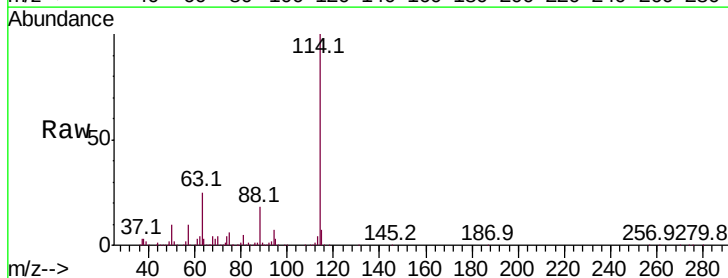
#20
Methylene Chloride
Concen: 0.043 ppbv
RT: 4.34 Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Sep 2021 3:33

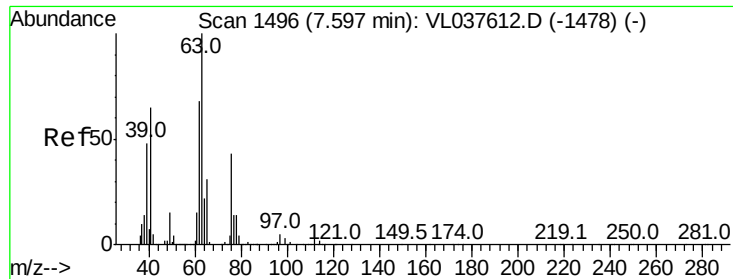
Tot Ion:	84	Resp:	2718
Ion	Ratio	Lower	Upper
84	100		
49	104.7	120.0	180.0#
51	116.1	38.0	57.0#
86	36.2	48.2	72.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T.: 0.02 min
Lab File: VL037722.D
Acq: 29 Sep 2021 3:33

Tgt Ion:	114	Resp:	3859473
Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	17.8	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.266 ppbv

RT: 7.18 Instrument:

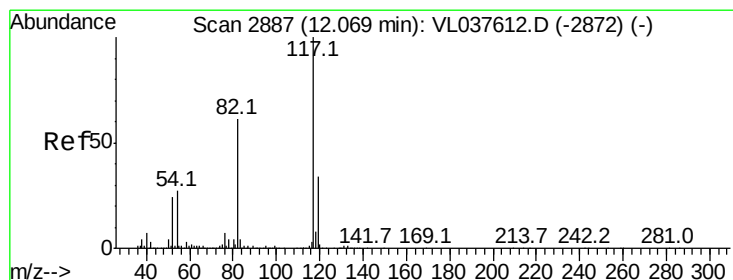
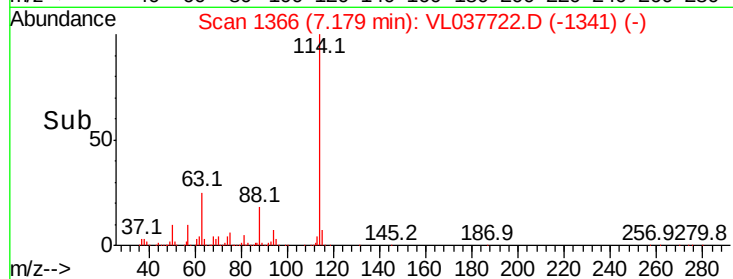
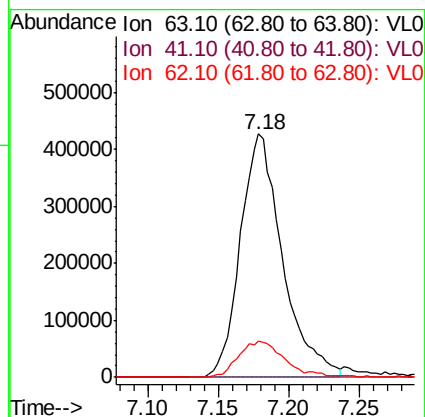
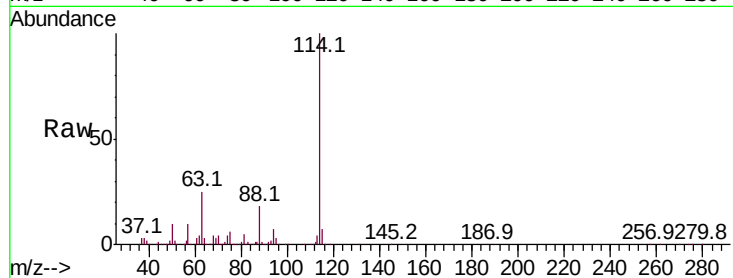
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Sep 2021 3:33

Tot Ion: 63 Resp: 895678

Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	15.1	54.6	81.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

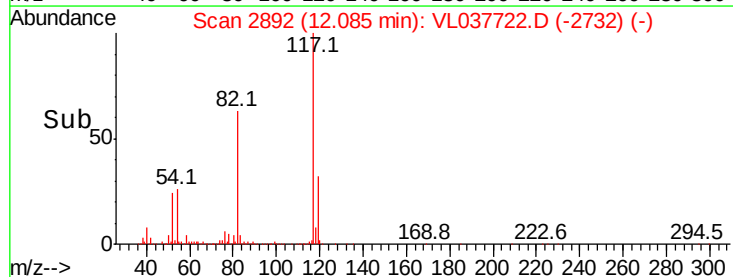
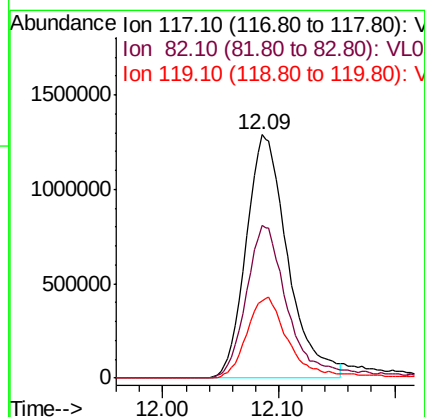
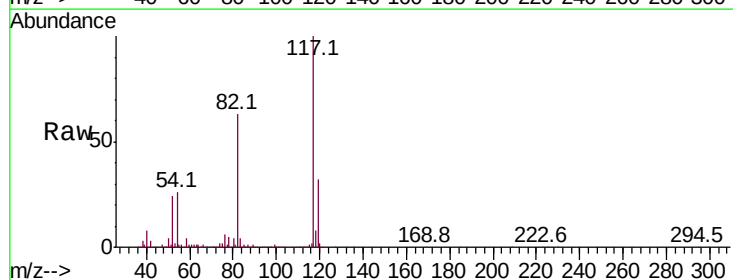
Delta R.T. 0.02 min

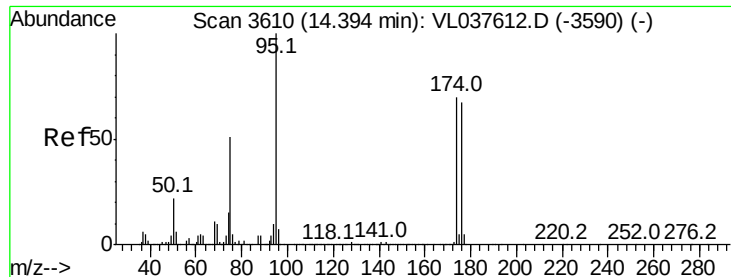
Lab File: VL037722.D

Acq: 29 Sep 2021 3:33

Tgt Ion: 117 Resp: 3214983

Ion	Ratio	Lower	Upper
117	100		
82	65.5	50.6	75.8
119	35.0	26.2	39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.517 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Sep 2021 3:33

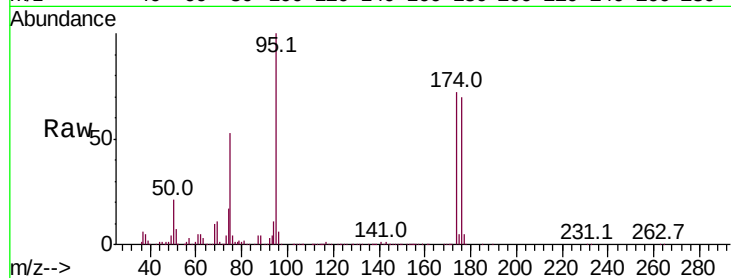
Tot Ion: 95 Resp: 2211273

Ion Ratio Lower Upper

95 100

174 81.3 56.3 84.5

175 2.8 4.4 6.6#



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

