

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037912.D
 Acq On : 27 Oct 2021 12:02
 Operator : SY/AP
 Sample : OC102621 CAN 10294
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102621 CAN 10294

Quant Time: Oct 28 05:17:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1462023	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	4370874	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3606787	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2413863	9.57	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

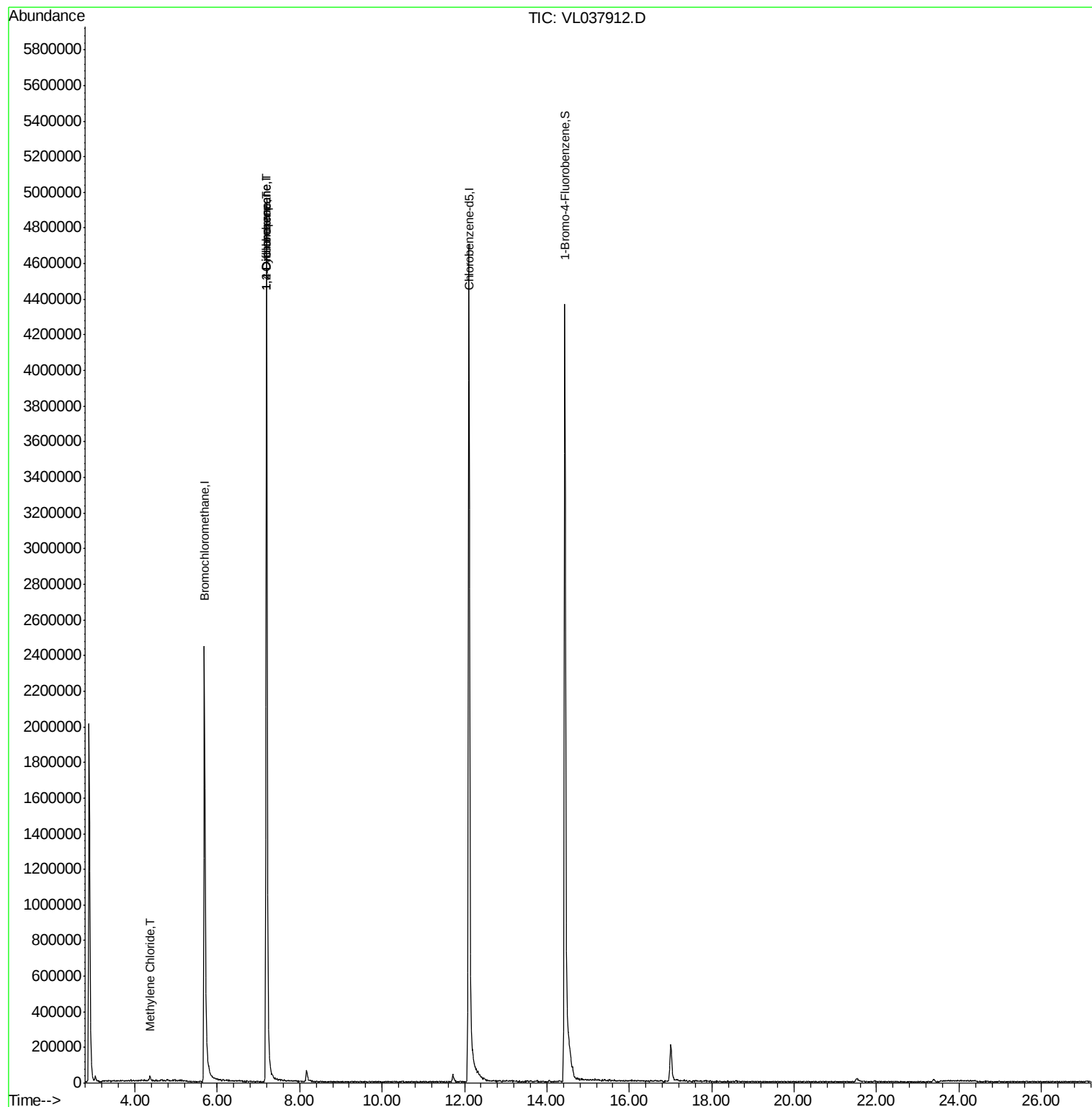
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.36	84	5785	0.087	ppbv #	76
30) Cyclohexane	7.18	84	7004	0.046	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	1030438	7.338	ppbv #	28

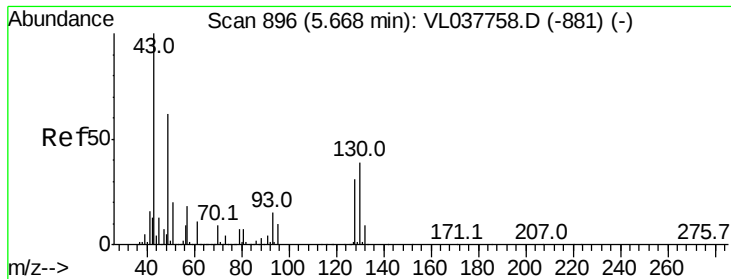
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Oct 2021 12:02

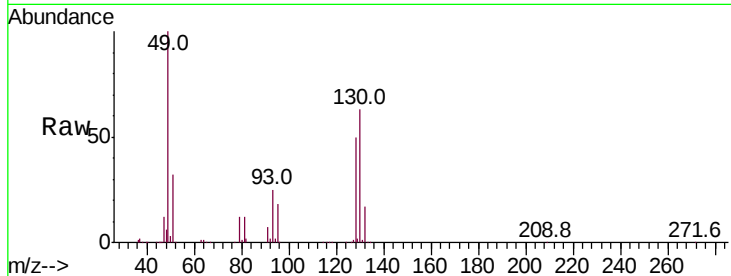
Tot Ion: 49 Resp: 1462023

Ion Ratio Lower Upper

49 100

128 55.2 27.1 81.3

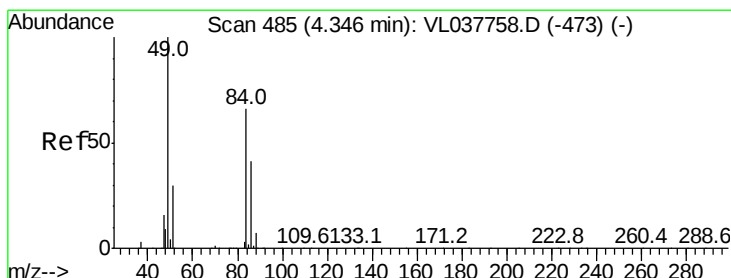
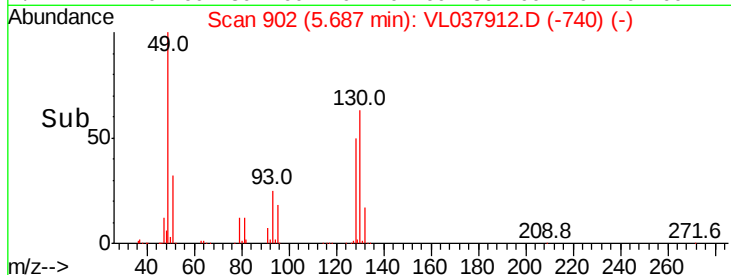
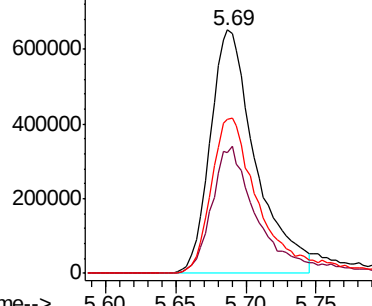
130 71.8 33.2 99.6



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



#20

Methylene Chloride

Concen: 0.087 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL037912.D

Acq: 27 Oct 2021 12:02

Tgt Ion: 84 Resp: 5785

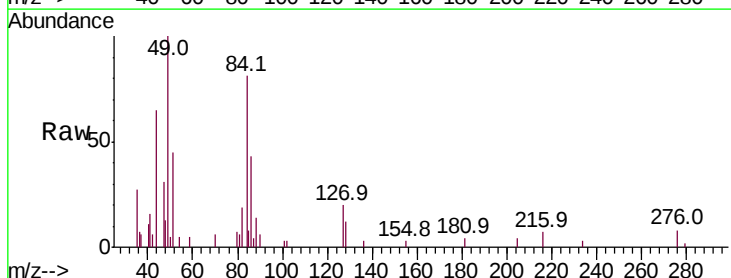
Ion Ratio Lower Upper

84 100

49 106.7 120.7 181.1#

51 47.6 36.2 54.4

86 53.5 49.6 74.4

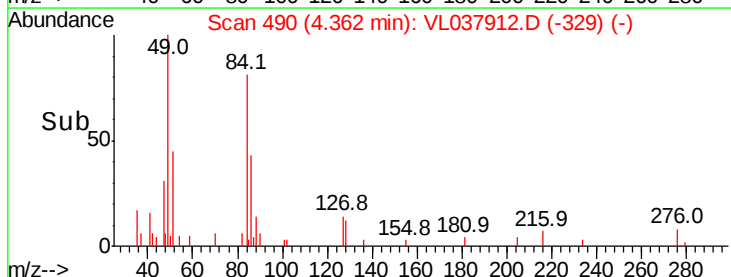
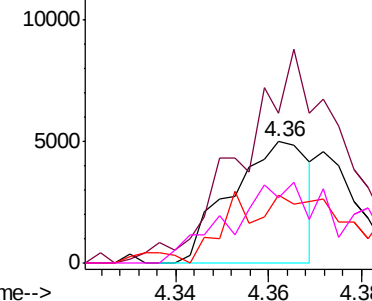


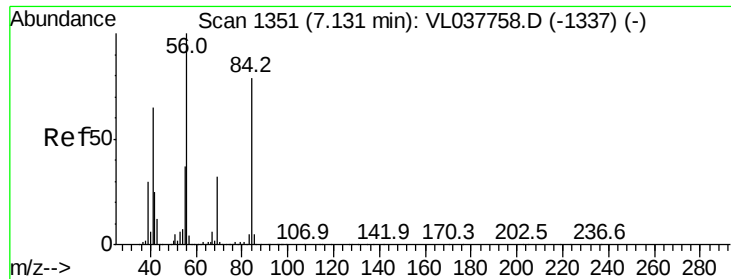
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

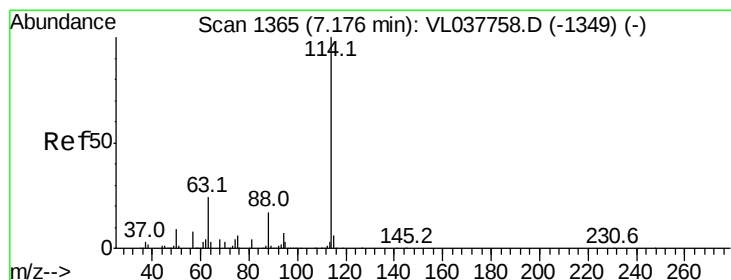
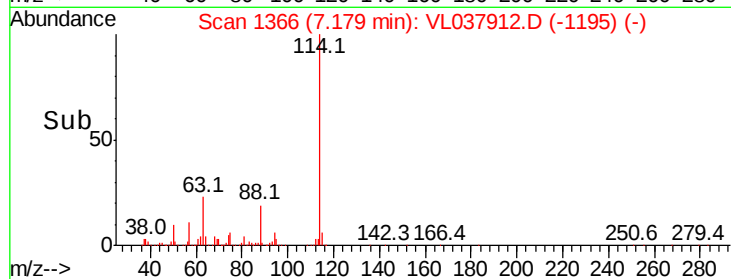
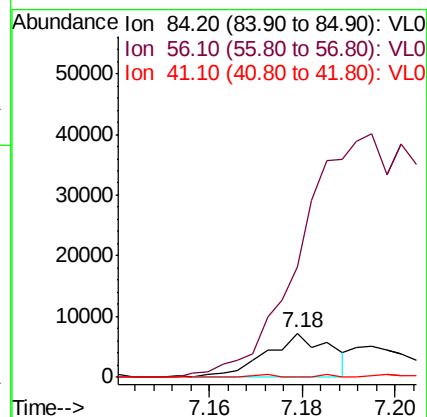
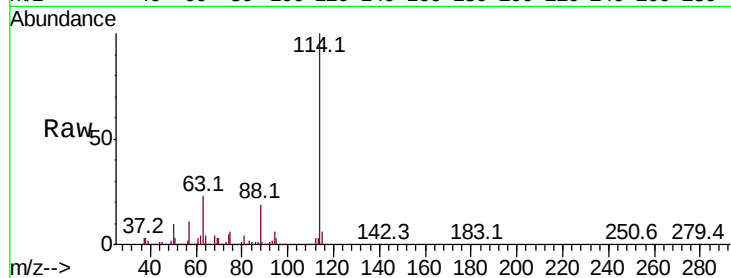
Ion 86.00 (85.70 to 86.70): VL0





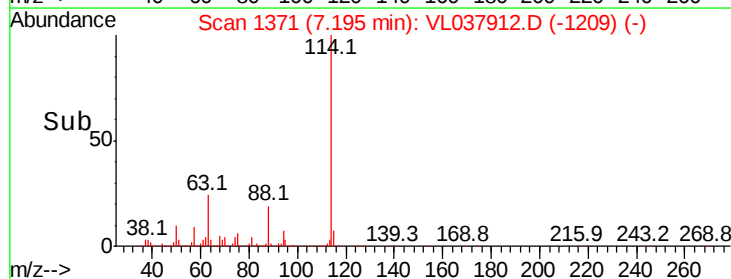
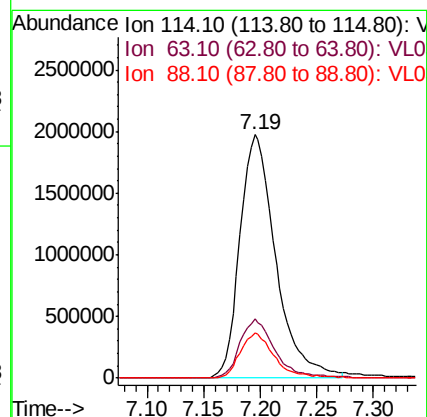
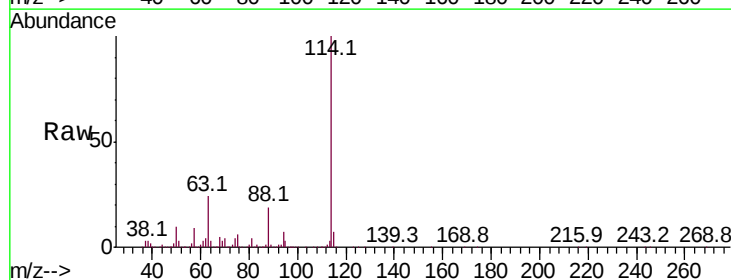
#30
Cvclohexane
Concen: 0.046 ppbv
RT: 7.18
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Oct 2021 12:02

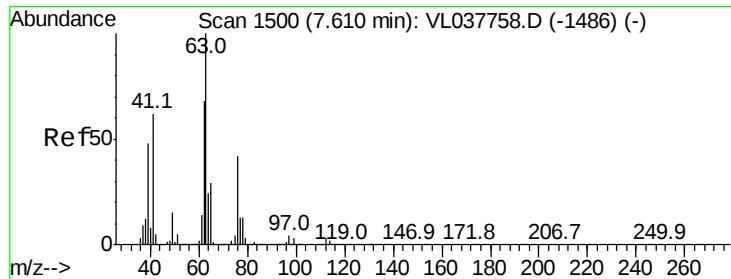
Tot Ion: 84 Resp: 7004
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 9.0 69.1 103.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T.: 0.02 min
Lab File: VL037912.D
Acq: 27 Oct 2021 12:02

Tgt Ion: 114 Resp: 4370874
Ion Ratio Lower Upper
114 100
63 23.9 19.4 29.2
88 18.0 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.338 ppbv

RT: 7.19 Instrument:

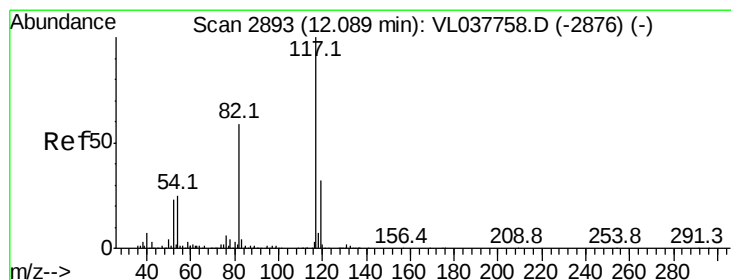
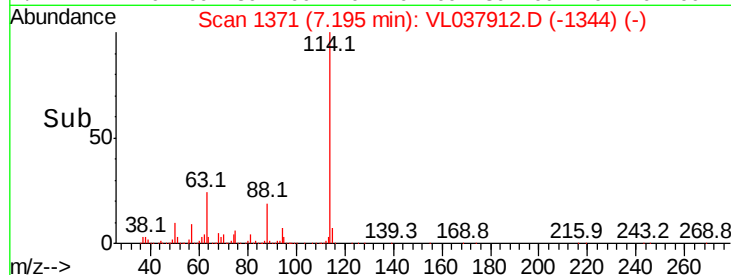
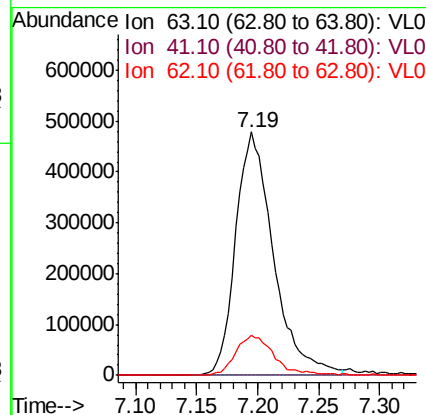
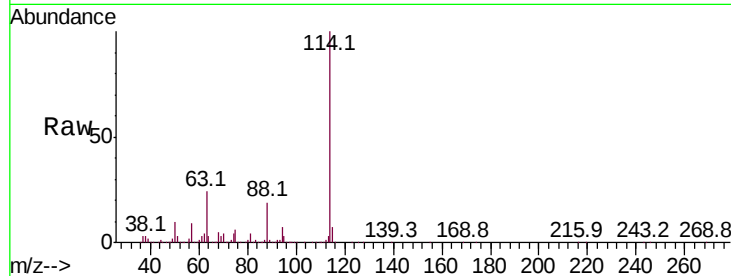
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 27 Oct 2021 12:02 QC102621 CAN 10294

Tot Ion: 63 Resp: 1030438

Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.8	74.6#
62	16.5	54.6	82.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

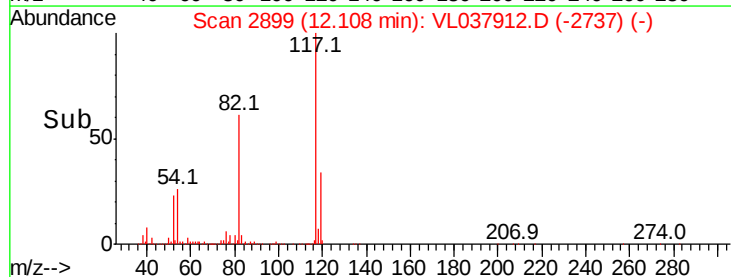
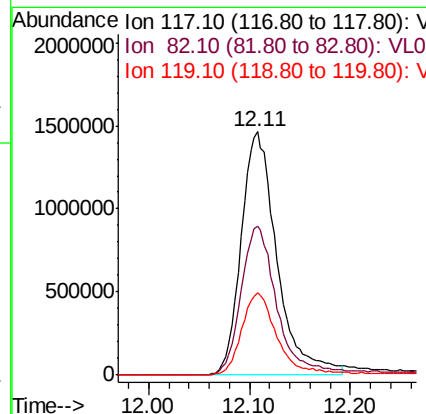
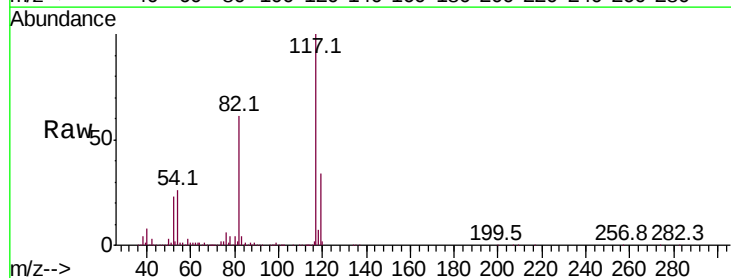
Delta R.T. 0.02 min

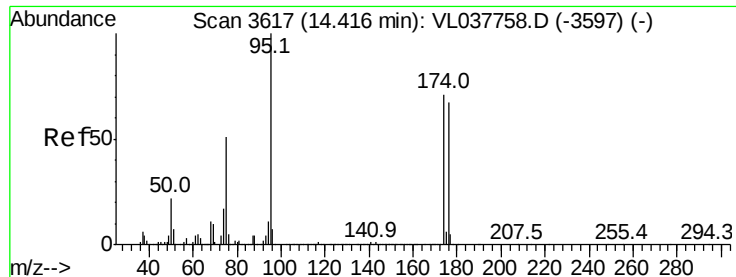
Lab File: VL037912.D

Acq: 27 Oct 2021 12:02

Tgt Ion: 117 Resp: 3606787

Ion	Ratio	Lower	Upper
117	100		
82	65.2	52.2	78.2
119	35.5	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.570 ppbv

RT: 14.44

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 12:02

Tot Ion: 95 Resp: 2413863

Ion Ratio Lower Upper

95 100

174 78.3 57.8 86.6

175 5.7 4.7 7.1

