

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037929.D
 Acq On : 27 Oct 2021 23:24
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Oct 28 05:20:26 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	5.68	49	1263880	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3722027	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3057272	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2132403	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

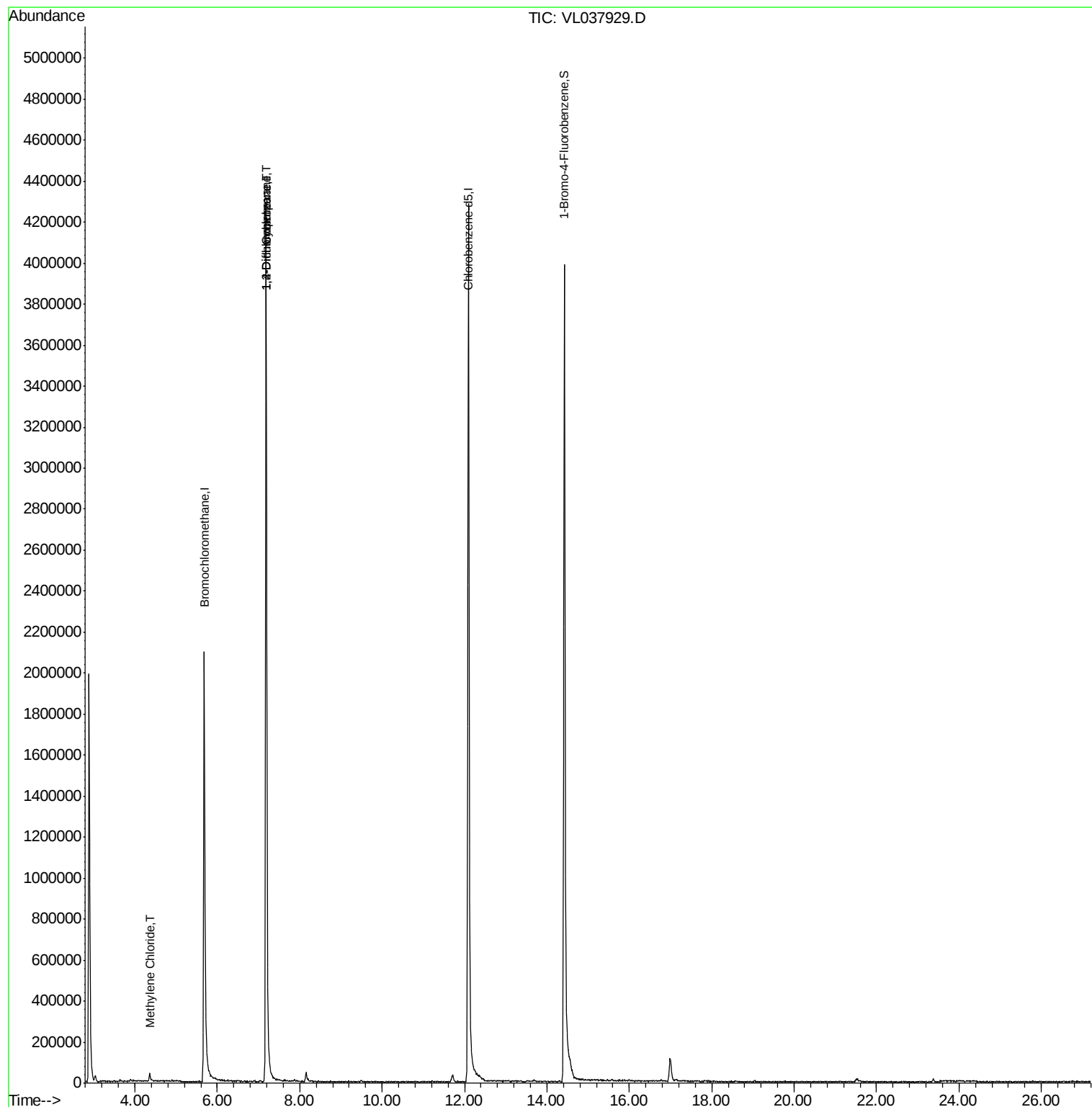
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.36	84	6387	0.111	ppbv #	79
30) Cyclohexane	7.17	84	7543	0.057	ppbv #	6
39) 1,2-Dichloropropane	7.19	63	842193	7.043	ppbv #	28

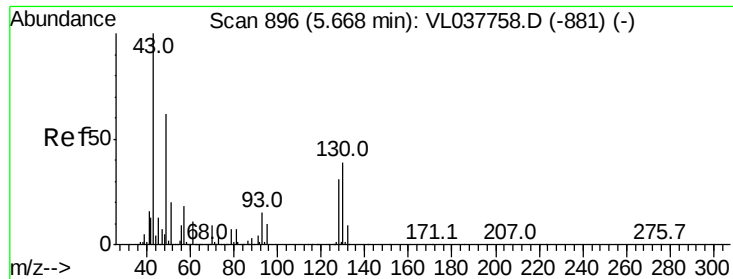
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 27 Oct 2021 23:24

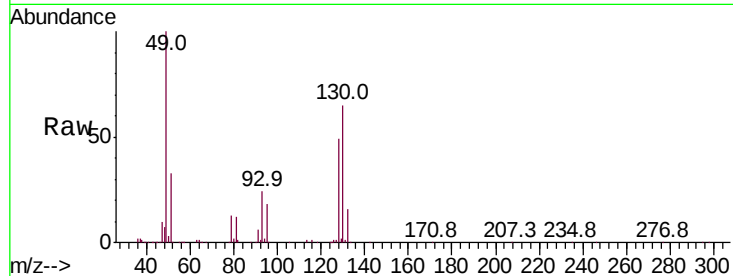
Tot Ion: 49 Resp: 1263880

Ion Ratio Lower Upper

49 100

128 54.8 27.1 81.3

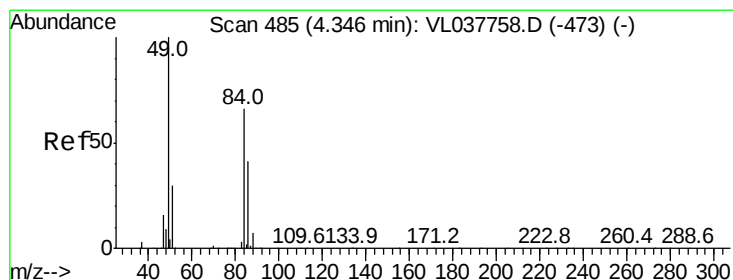
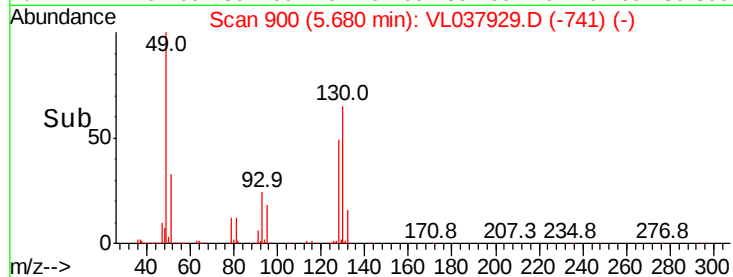
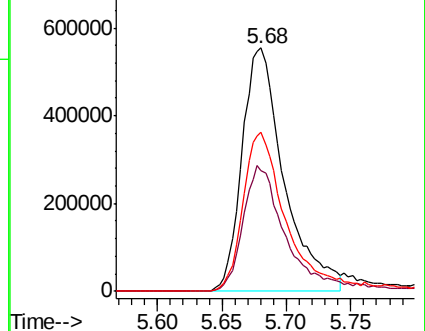
130 70.6 33.2 99.6



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: 0.111 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL037929.D

Acq: 27 Oct 2021 23:24

Tgt Ion: 84 Resp: 6387

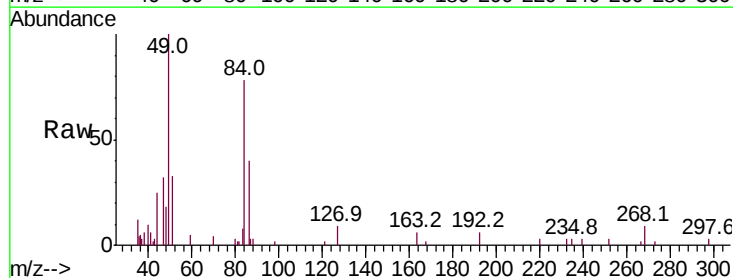
Ion Ratio Lower Upper

84 100

49 121.8 120.7 181.1

51 47.9 36.2 54.4

86 38.0 49.6 74.4#

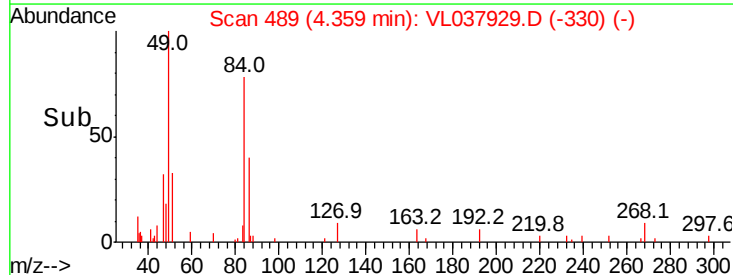
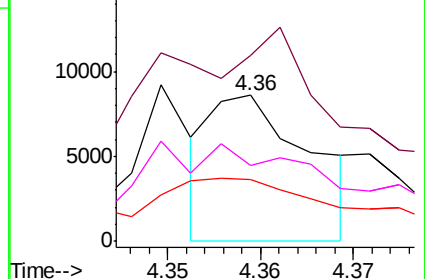


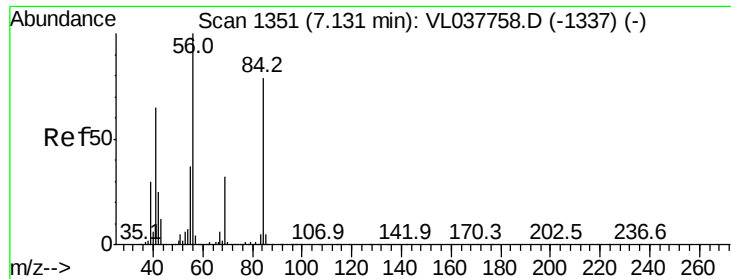
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

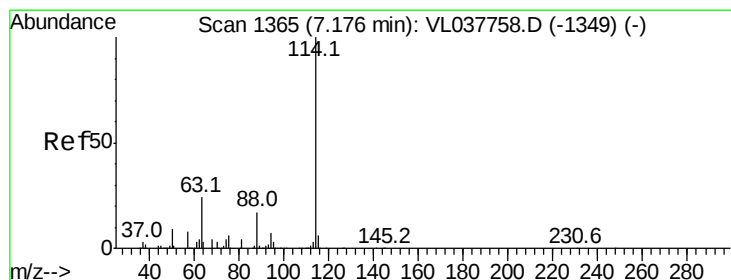
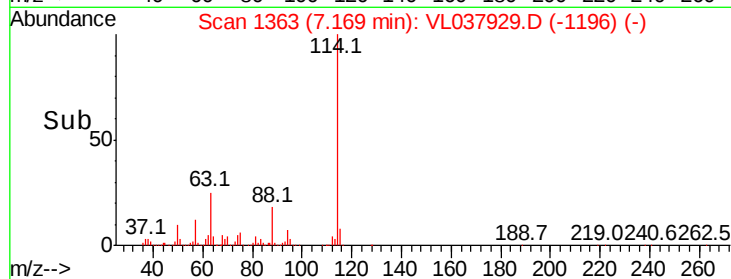
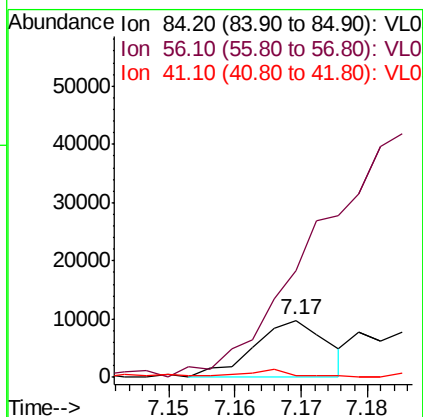
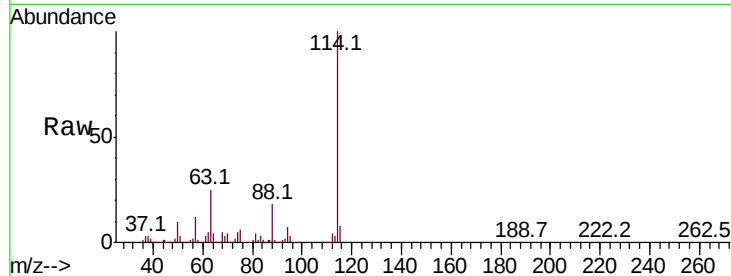
Ion 86.00 (85.70 to 86.70): VL0





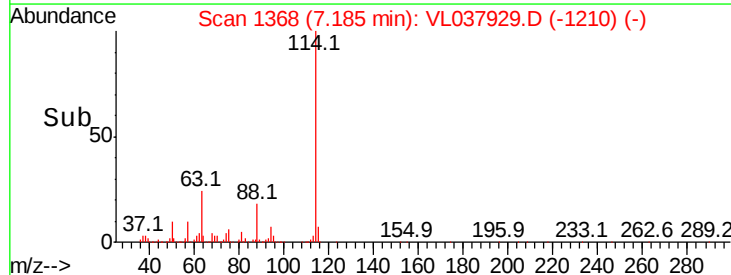
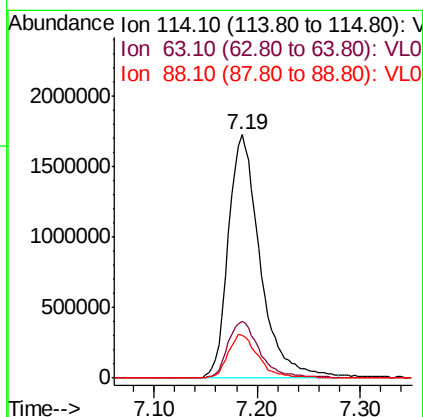
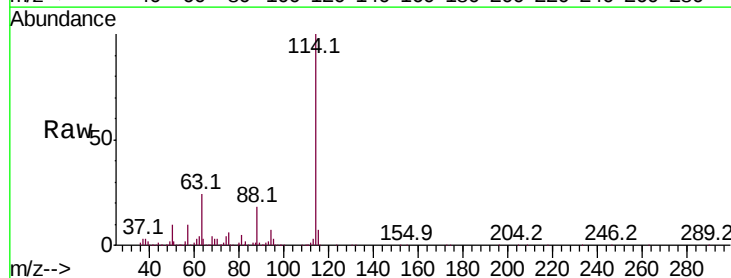
#30
Cvclohexane
Concen: 0.057 ppbv
RT: 7.17
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Oct 2021 23:24

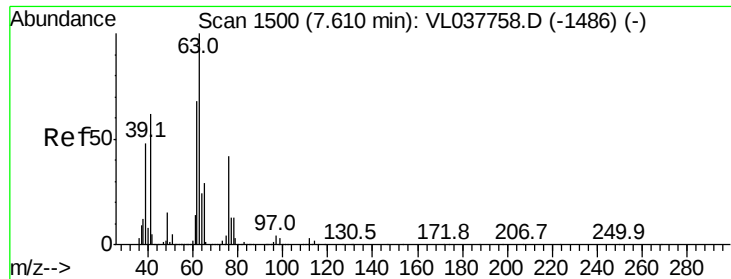
Tot Ion: 84 Resp: 7543
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 33.0 69.1 103.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VL037929.D
Acq: 27 Oct 2021 23:24

Tgt Ion: 114 Resp: 3722027
Ion Ratio Lower Upper
114 100
63 24.0 19.4 29.2
88 17.6 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.043 ppbv

RT: 7.19 Instrument: MSVOA_1

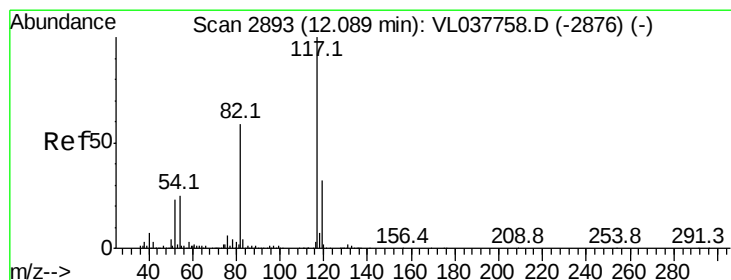
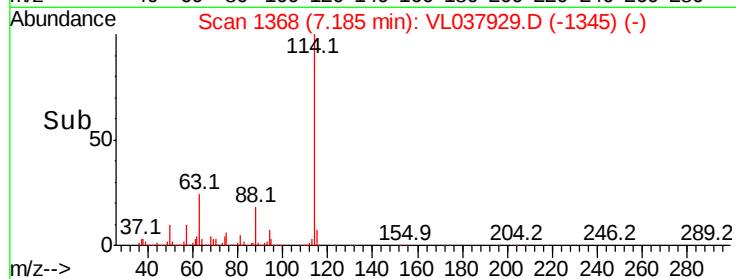
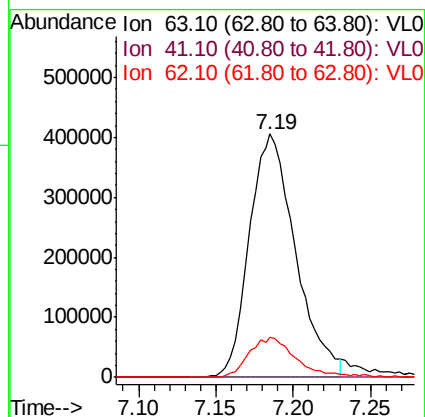
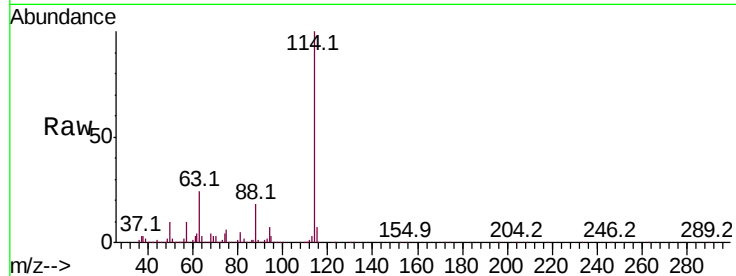
Delta R.T.

Lab File: ClientSampleId: VIBLK

Acq: 27 Oct 2021 23:24

Tot Ion: 63 Resp: 842193

Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.8	74.6#
62	16.4	54.6	82.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2895

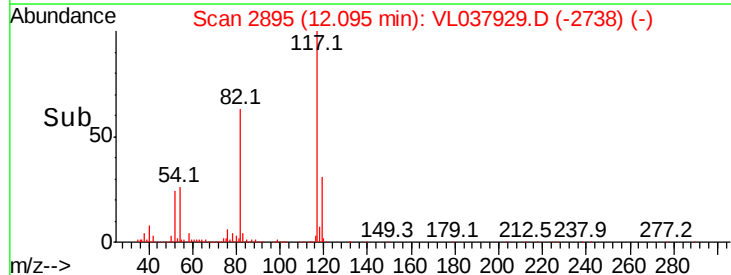
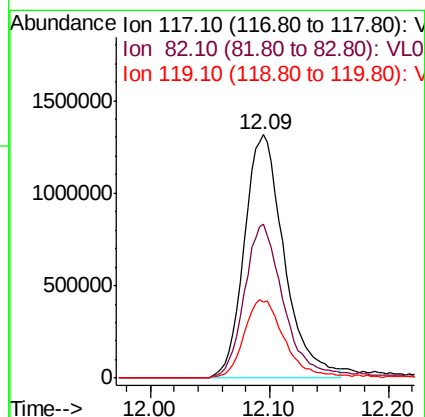
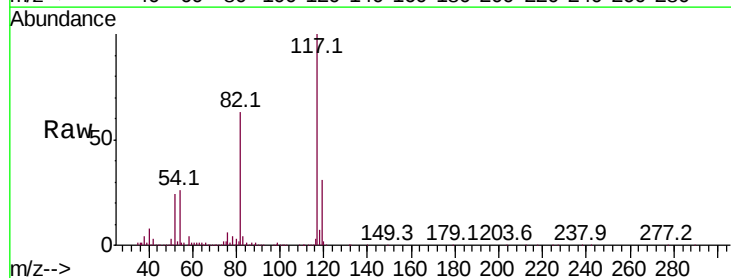
Delta R.T. 0.01 min

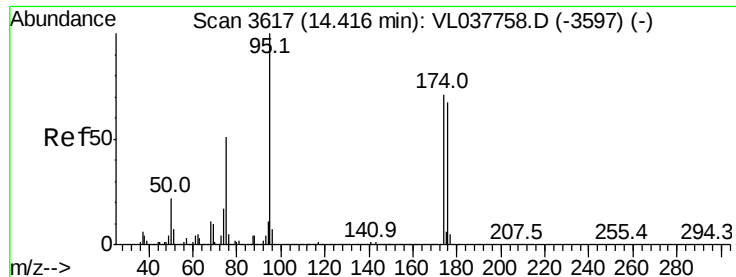
Lab File: VL037929.D

Acq: 27 Oct 2021 23:24

Tgt Ion: 117 Resp: 3057272

Ion	Ratio	Lower	Upper
117	100		
82	64.9	52.2	78.2
119	34.2	26.0	39.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.974 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Oct 2021 23.24

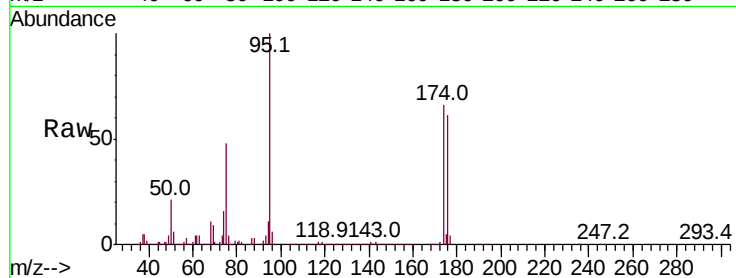
Tot Ion: 95 Resp: 2132403

Ion Ratio Lower Upper

95 100

174 74.7 57.8 86.6

175 5.5 4.7 7.1



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

