

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
Data File : VL039036.D
Acq On : 13 May 2022 13:43
Operator : SY/AP
Sample : VL0513ABL02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0513ABL02

Quant Time: May 14 01:07:32 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	899196	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2345562	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1928121	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1449331	9.49	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.90%

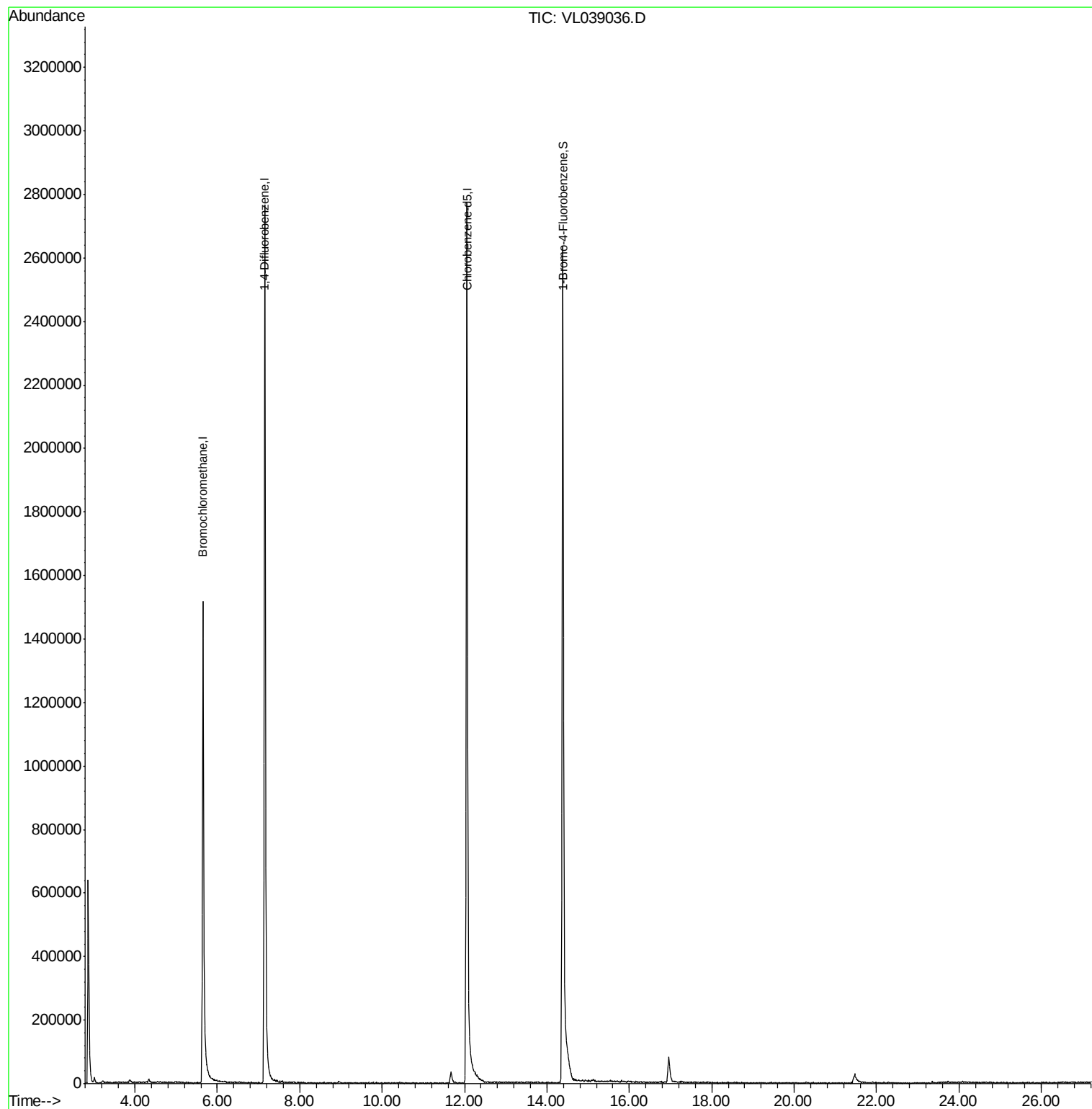
Target Compounds	Ovalue
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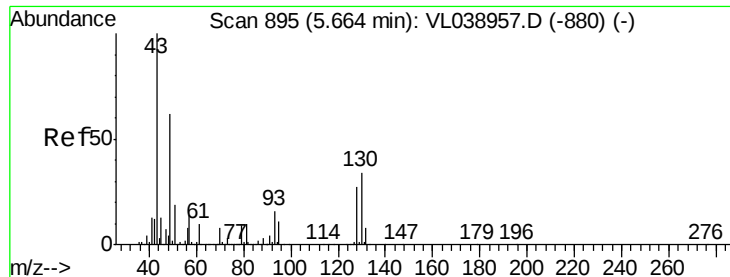
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0513ABL02

Acq: 13 May 2022 13:43

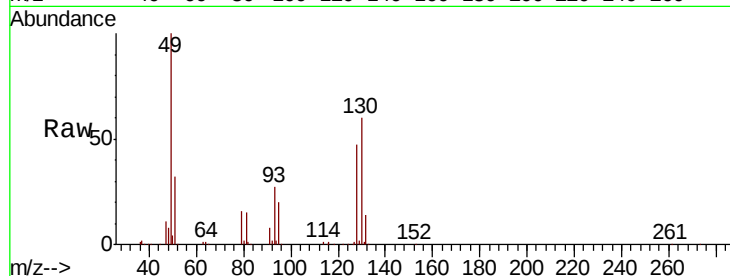
Tot Ion: 49 Resp: 899196

Ion Ratio Lower Upper

49 100

128 49.7 23.3 69.8

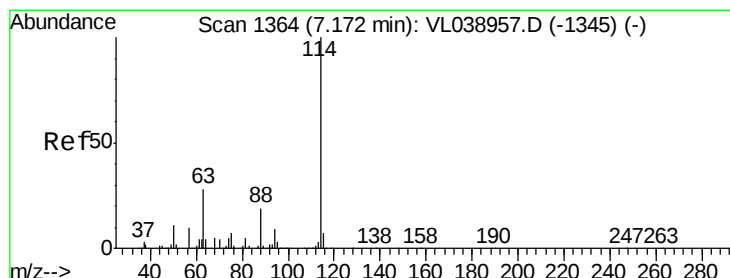
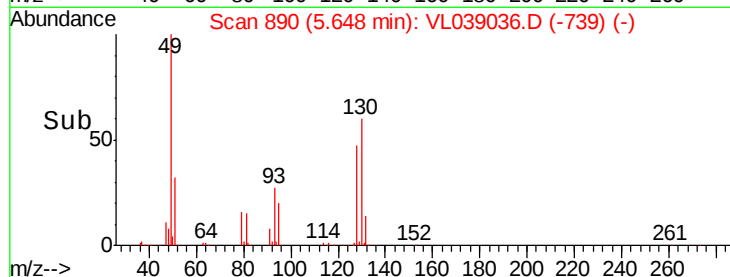
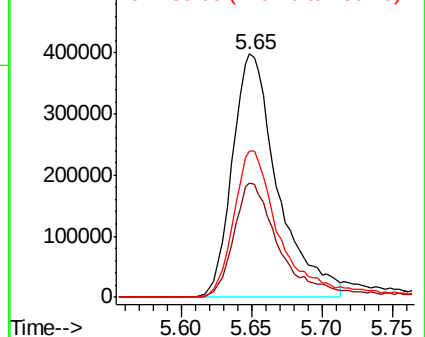
130 64.7 29.8 89.3



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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VL039036.D

Acq: 13 May 2022 13:43

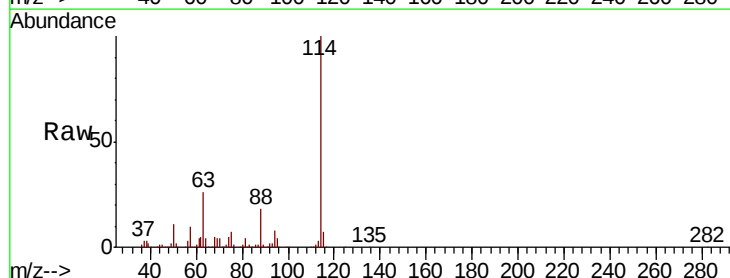
Tgt Ion: 114 Resp: 2345562

Ion Ratio Lower Upper

114 100

63 26.8 22.6 33.8

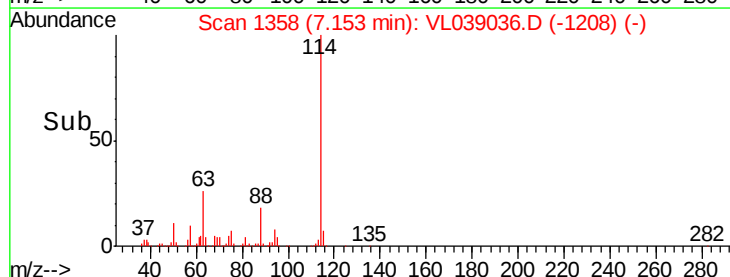
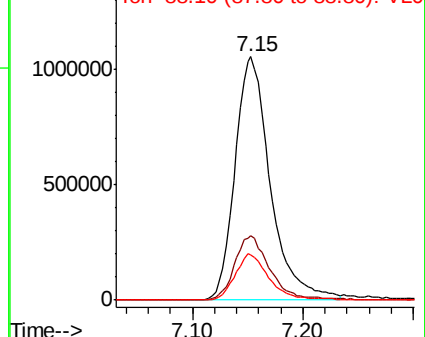
88 18.6 15.4 23.0

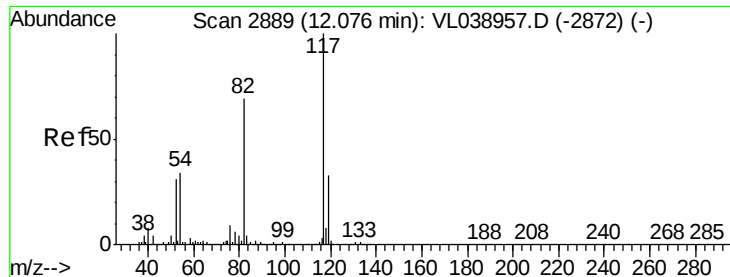


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0513ABL02

Acq: 13 May 2022 13:43

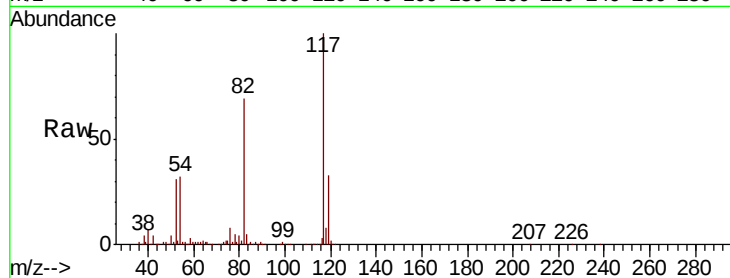
Tot Ion:117 Resp: 1928121

Ion Ratio Lower Upper

117 100

82 71.3 57.0 85.6

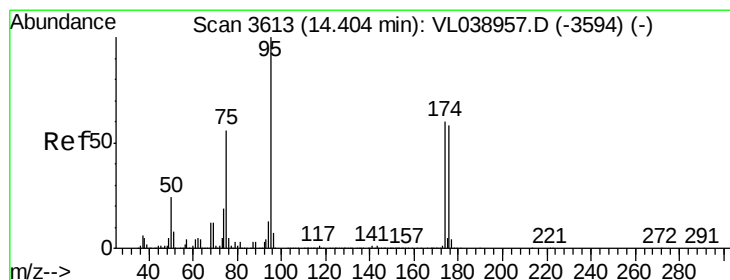
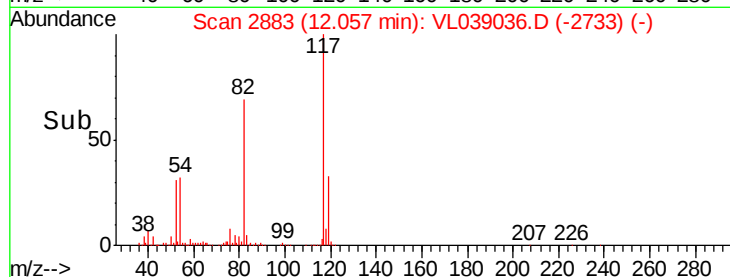
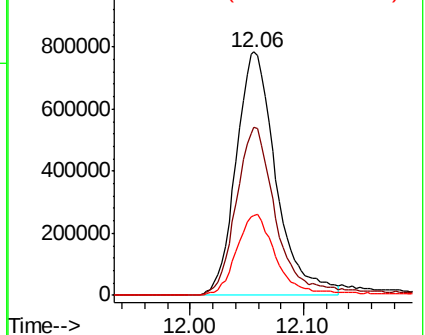
119 34.6 27.2 40.8



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: 9.492 ppbv

RT: 14.38 min Scan# 3606

Delta R.T. -0.02 min

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Acq: 13 May 2022 13:43

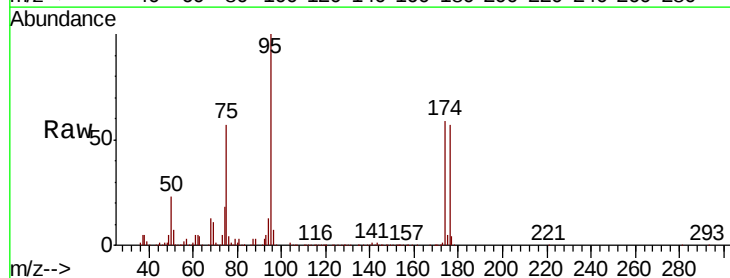
Tgt Ion: 95 Resp: 1449331

Ion Ratio Lower Upper

95 100

174 68.6 50.8 76.2

175 5.1 3.8 5.6



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

