

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012422\
Data File : VL038273.D
Acq On : 24 Jan 2022 23:40
Operator : SY/AP
Sample : VIBLK
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Jan 25 02:55:50 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	811087	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2234151	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	1814078	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1334516	9.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

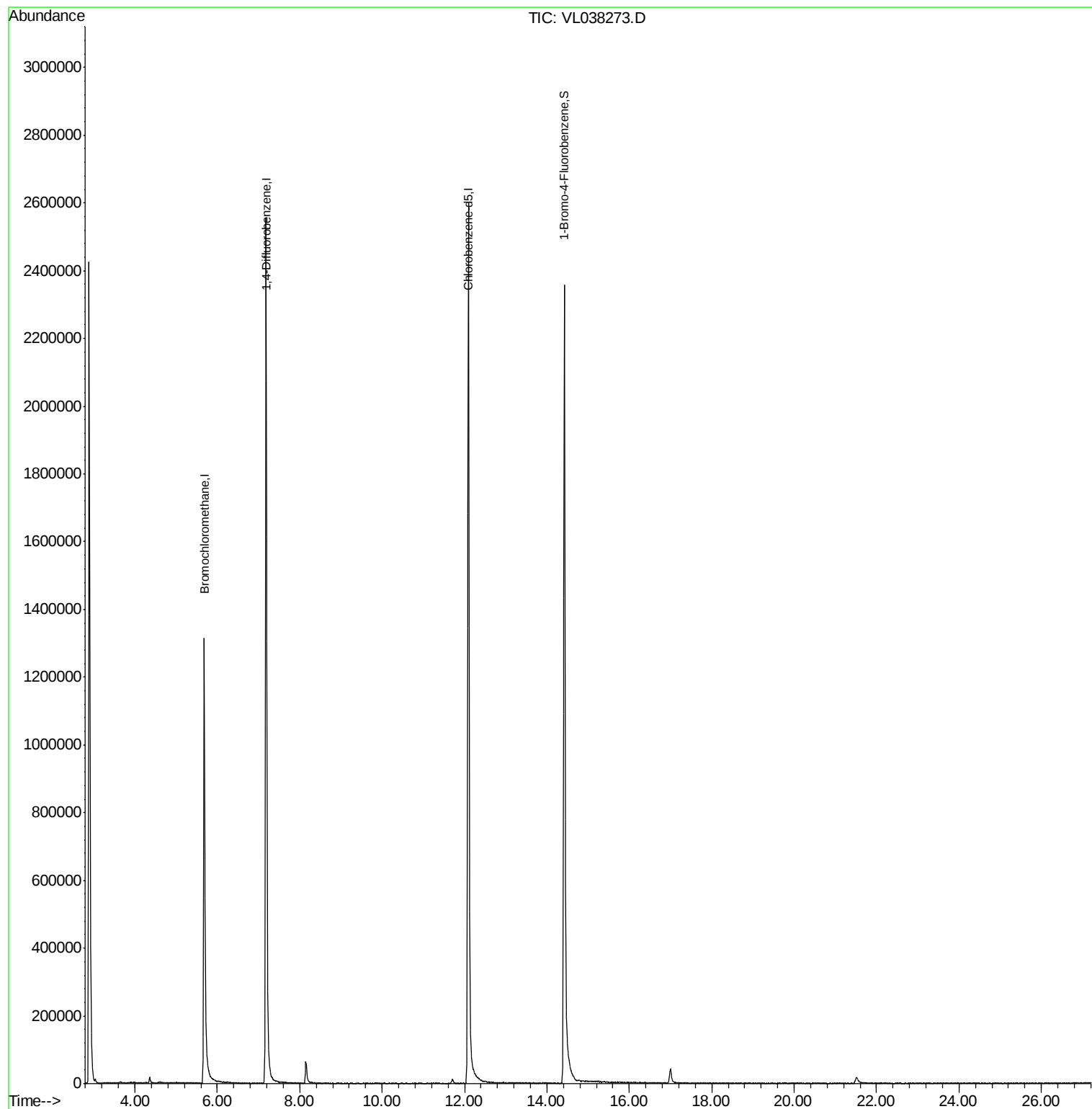
Target Compounds	Ovalue
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 23:40

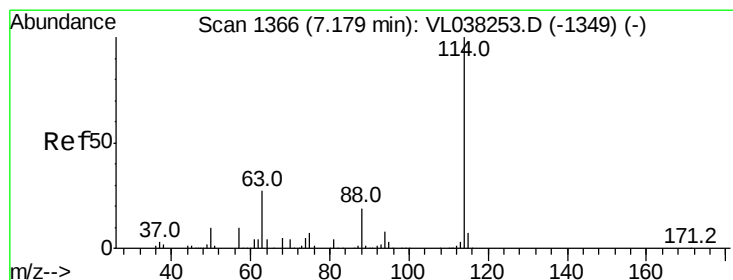
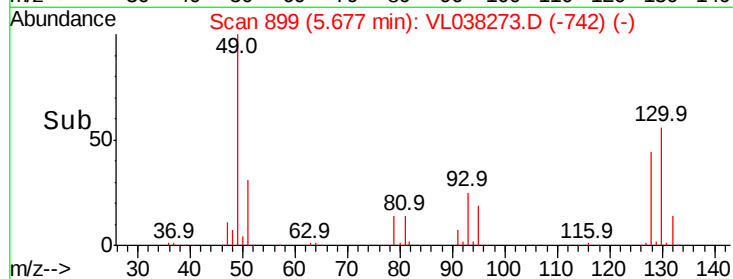
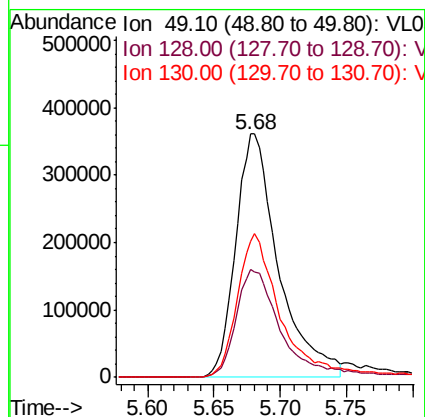
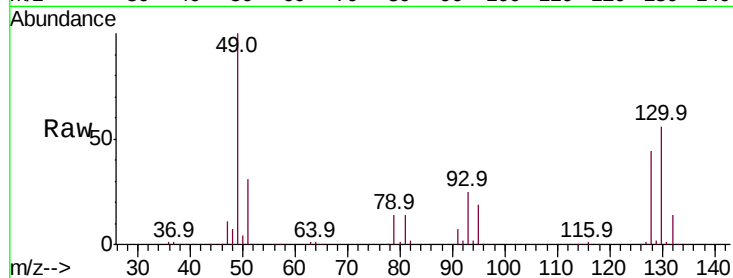
Tot Ion: 49 Resp: 811087

Ion Ratio Lower Upper

49 100

128 48.3 24.5 73.5

130 62.8 30.1 90.5



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VL038273.D

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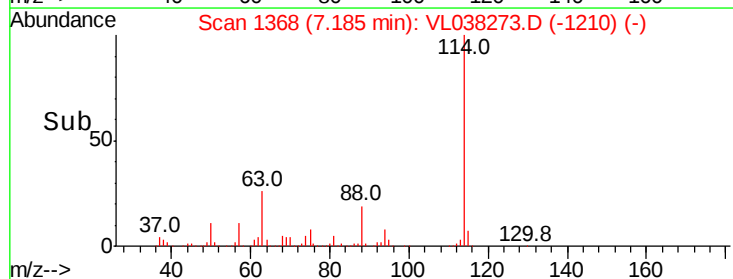
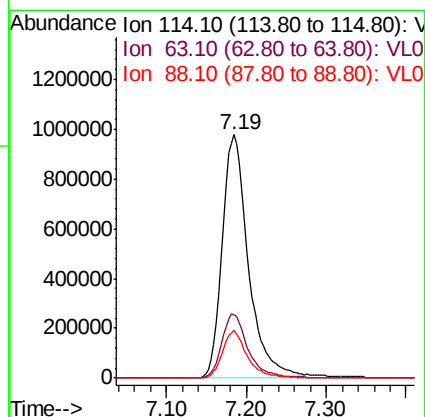
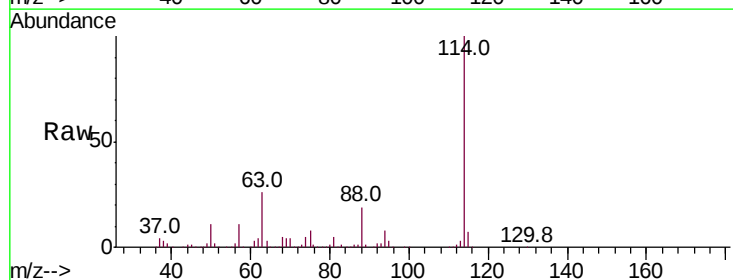
Tgt Ion:114 Resp: 2234151

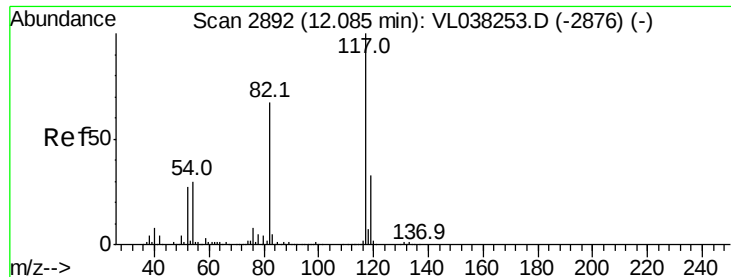
Ion Ratio Lower Upper

114 100

63 26.7 22.0 33.0

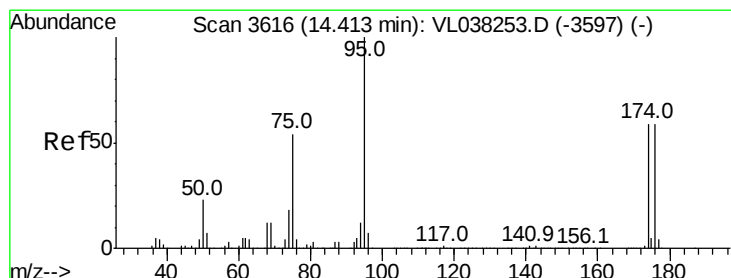
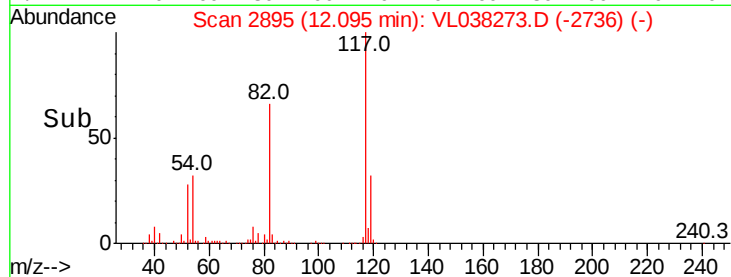
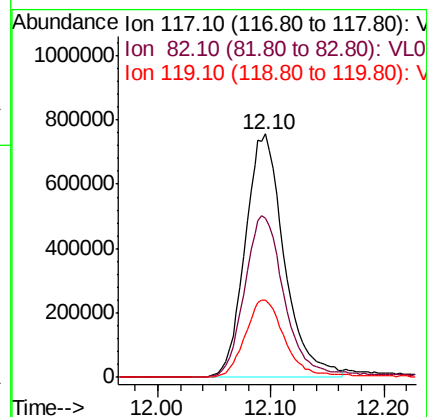
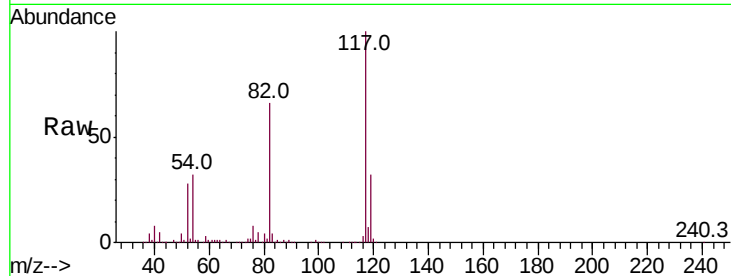
88 18.6 15.0 22.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jan 2022 23:40

Tot Ion:117 Resp: 1814078
Ion Ratio Lower Upper
117 100
82 70.8 54.4 81.6
119 34.0 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.692 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. 0.01 min
Lab File: VL038273.D
Acq: 24 Jan 2022 23:40

Tgt Ion: 95 Resp: 1334516
Ion Ratio Lower Upper
95 100
174 61.6 48.3 72.5
175 4.6 3.5 5.3

