

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022422\
 Data File : VL038439.D
 Acq On : 24 Feb 2022 18:08
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Feb 25 00:45:01 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	826284	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	1919810	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.04	117	1620272	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1230285	9.18	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.80%

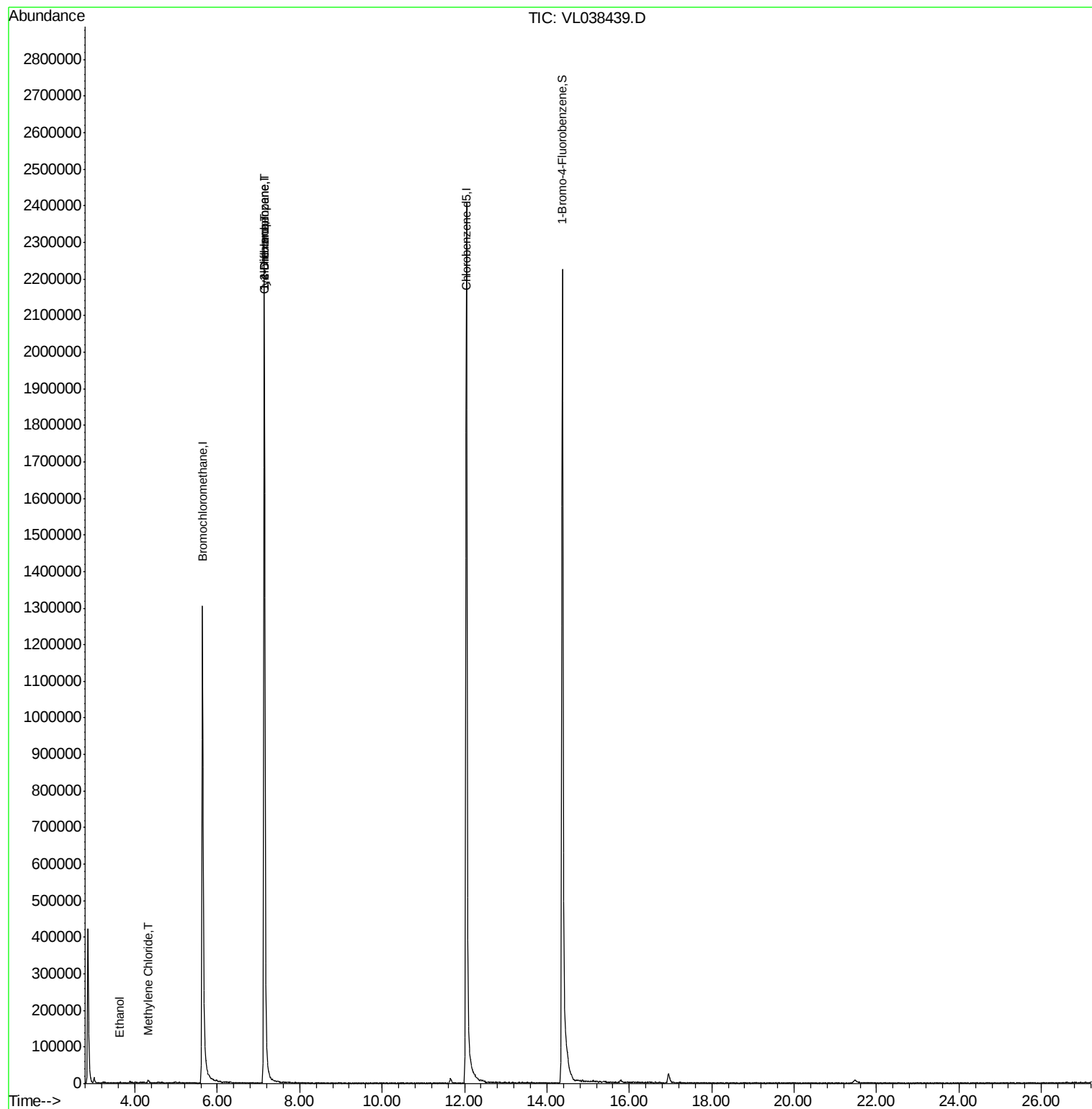
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.62	45	762	0.16	ppbv #	46
20) Methylene Chloride	4.32	84	1111	0.03	ppbv #	42
30) Cyclohexane	7.12	84	2170	0.03	ppbv #	1
39) 1,2-Dichloropropane	7.14	63	521071	7.74	ppbv #	25

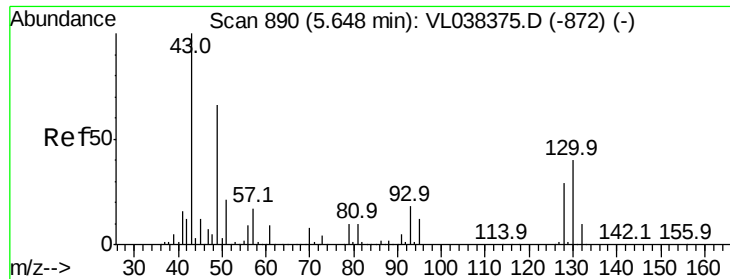
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 18:08

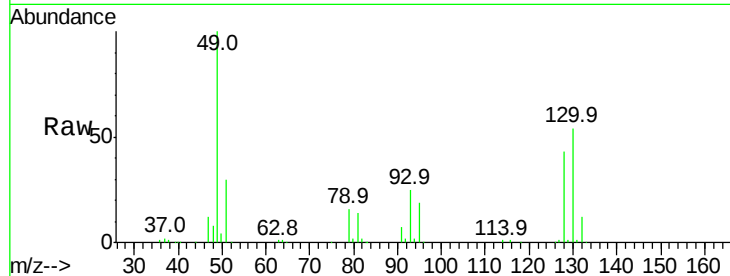
Tgt Ion: 49 Resp: 826284

Ion Ratio Lower Upper

49 100

128 44.9 24.3 72.9

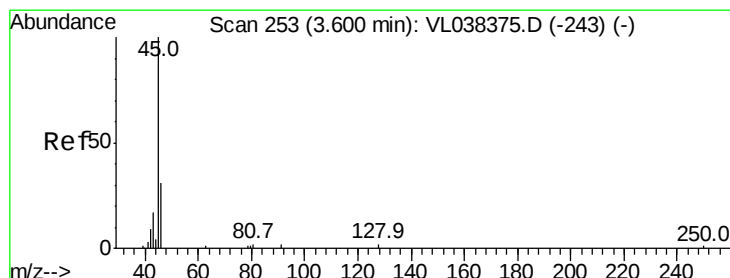
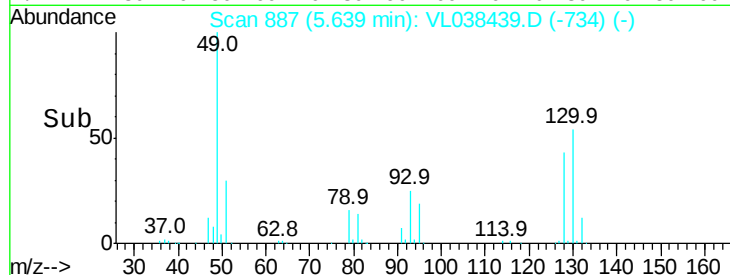
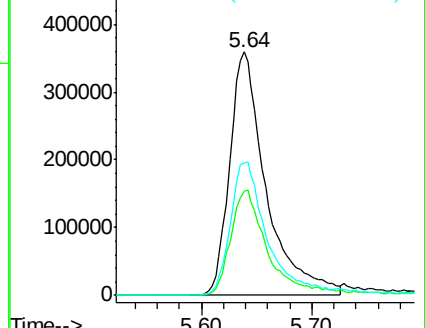
130 58.1 30.1 90.5



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: 0.16 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL038439.D

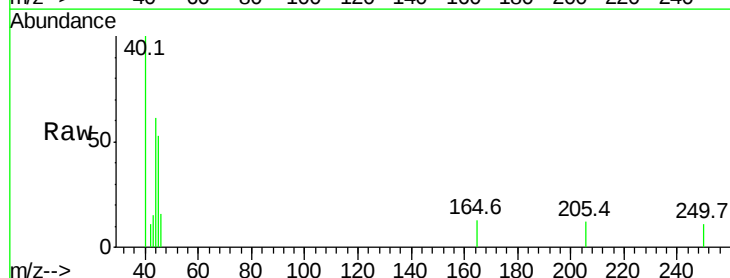
Acq: 24 Feb 2022 18:08

Tgt Ion: 45 Resp: 762

Ion Ratio Lower Upper

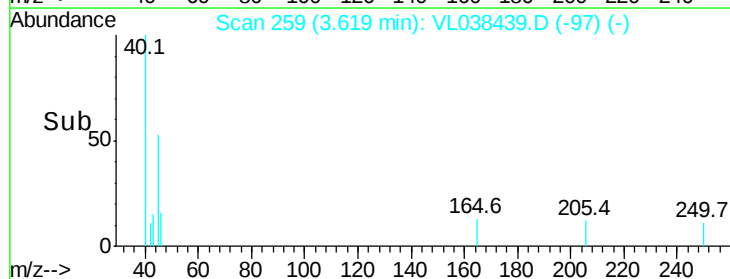
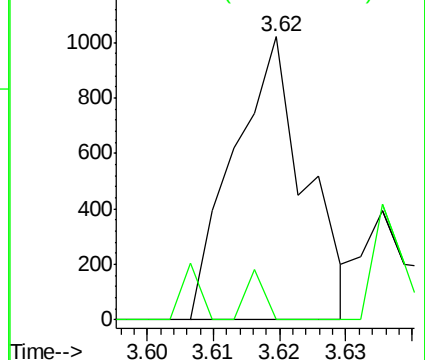
45 100

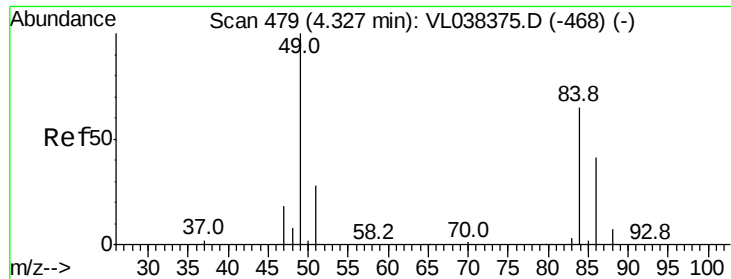
46 9.8 18.2 72.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

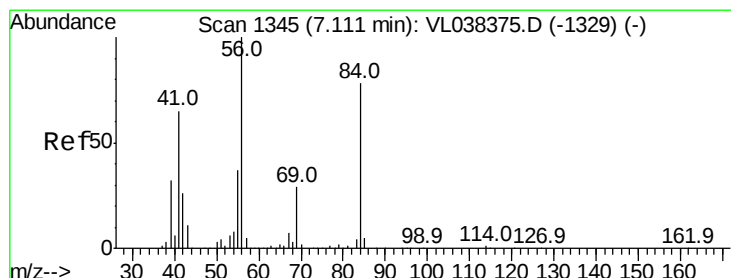
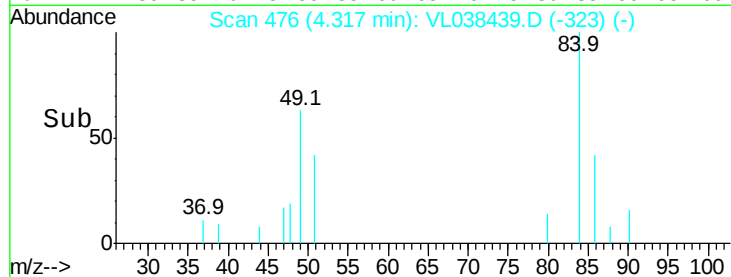
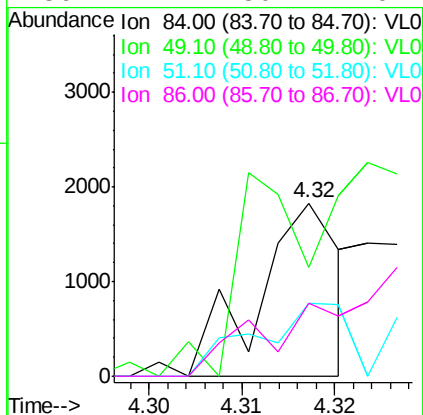
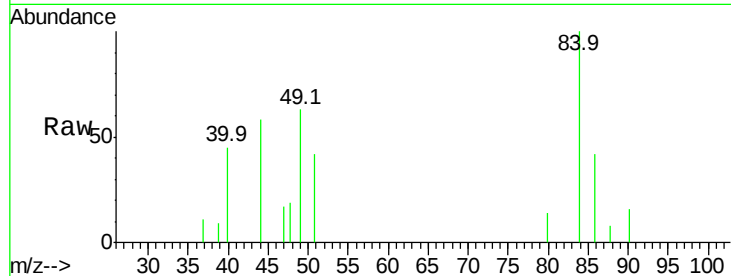
Ion 46.10 (45.80 to 46.80): VL0





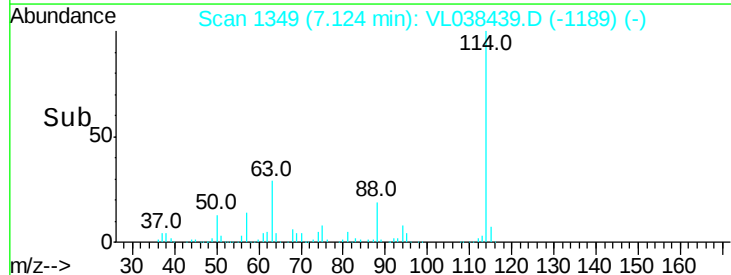
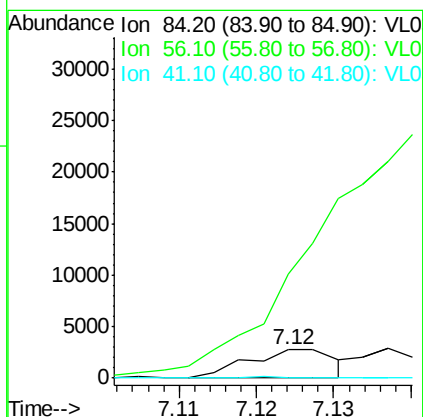
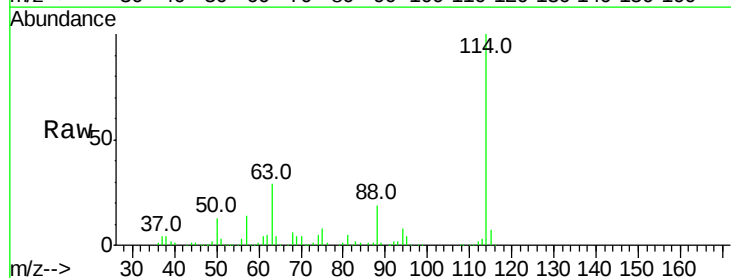
#20
Methylene Chloride
Concen: 0.03 ppbv
RT: 4.32
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VIBLK
Acq: 24 Feb 2022 18:08

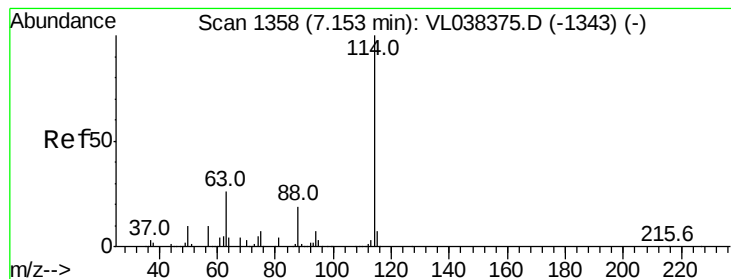
Tgt Ion:	84	Resp:	1111
Ion	Ratio	Lower	Upper
84	100		
49	42.7	122.4	183.6#
51	41.9	33.3	49.9
86	42.2	50.7	76.1#



#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL038439.D
Acq: 24 Feb 2022 18:08

Tgt Ion:	84	Resp:	2170
Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.2	174.4#
41	1.6	74.3	111.5#





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Feb 2022 18:08

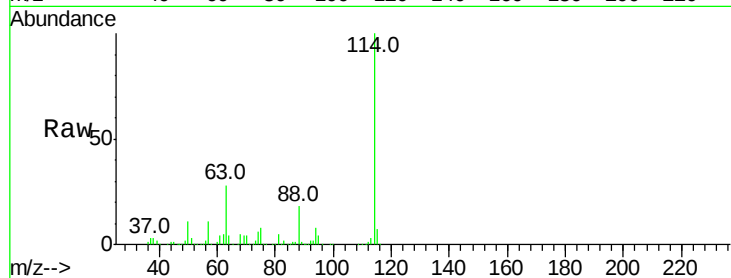
Tgt Ion: 114 Resp: 1919810

Ion Ratio Lower Upper

114 100

63 27.7 22.2 33.2

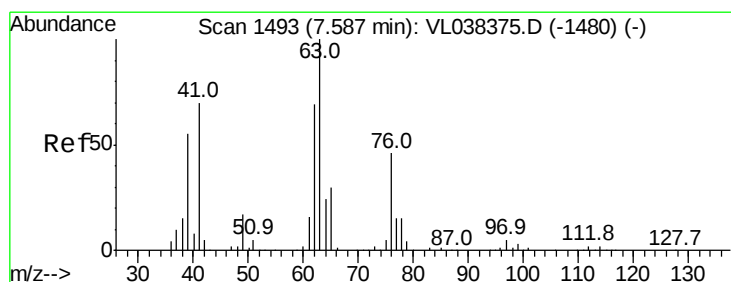
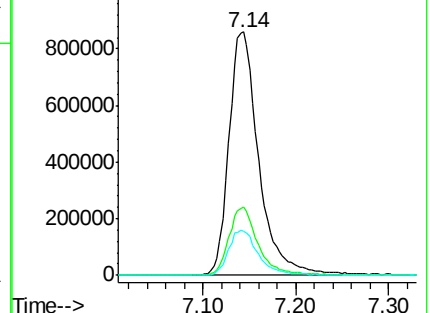
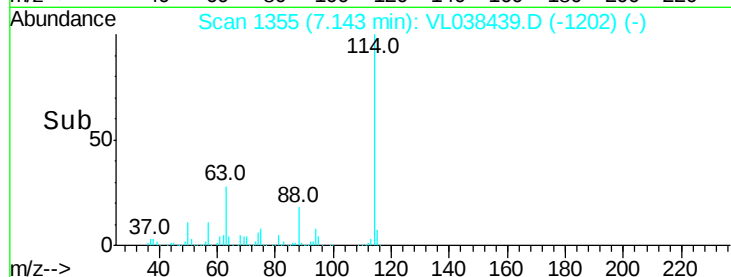
88 18.7 15.2 22.8



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



#39

1,2-Dichloropropane

Concen: 7.74 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.44 min

Lab File: VL038439.D

Acq: 24 Feb 2022 18:08

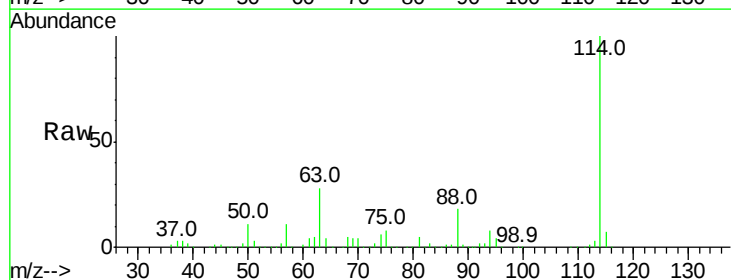
Tgt Ion: 63 Resp: 521071

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

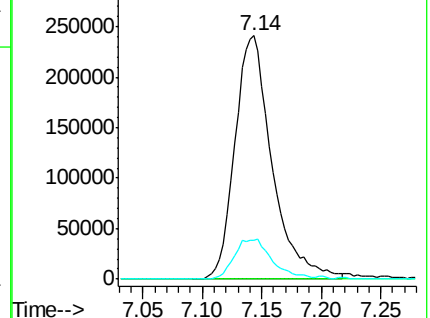
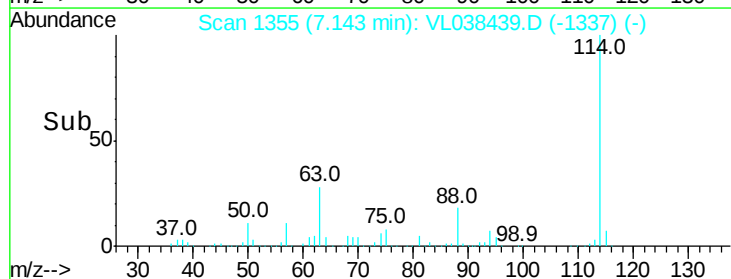
62 16.1 55.5 83.3#

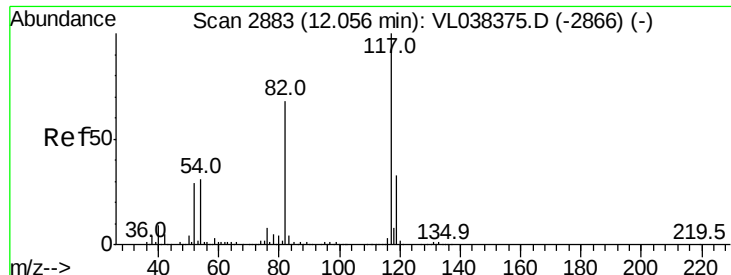


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

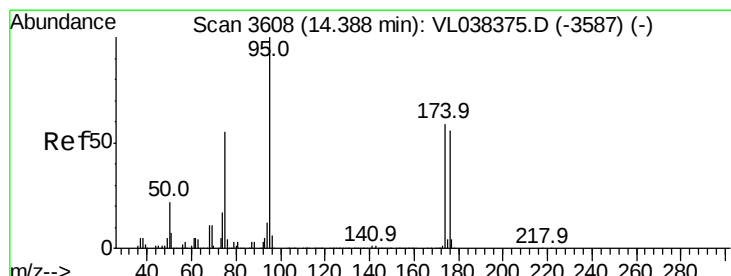
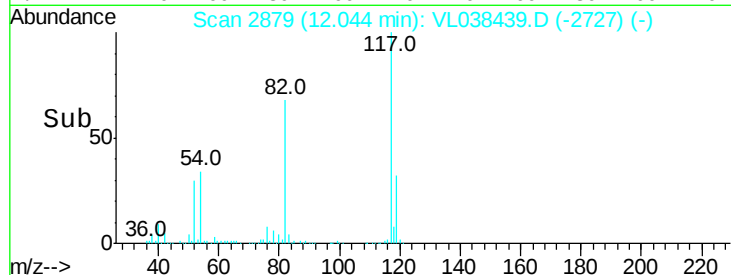
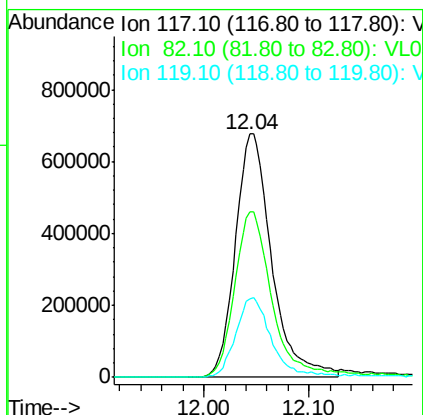
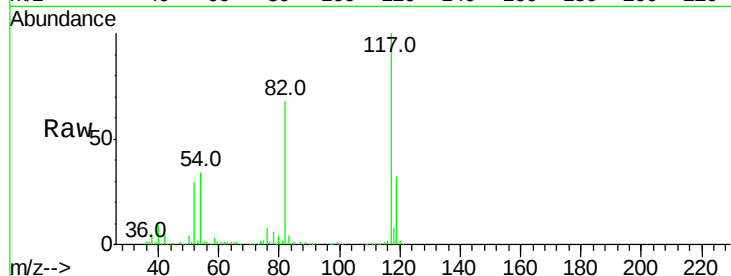
Ion 62.10 (61.80 to 62.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.04 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VIBLK
 Acq: 24 Feb 2022 18:08

Tgt Ion: 117 Resp: 1620272
 Ion Ratio Lower Upper
 117 100
 82 72.6 54.9 82.3
 119 33.6 46.1 69.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.18 ppbv
 RT: 14.37 min Scan# 3603
 Delta R.T. -0.02 min
 Lab File: VL038439.D
 Acq: 24 Feb 2022 18:08

Tgt Ion: 95 Resp: 1230285
 Ion Ratio Lower Upper
 95 100
 174 63.8 49.0 73.4
 175 4.3 3.6 5.4

