

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037554.D
 Acq On : 7 Sep 2021 17:09
 Operator : SY/AP
 Sample : CAN 10448
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10448

Quant Time: Sep 08 11:10:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1657055	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4842714	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4198928	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3170941	10.63	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

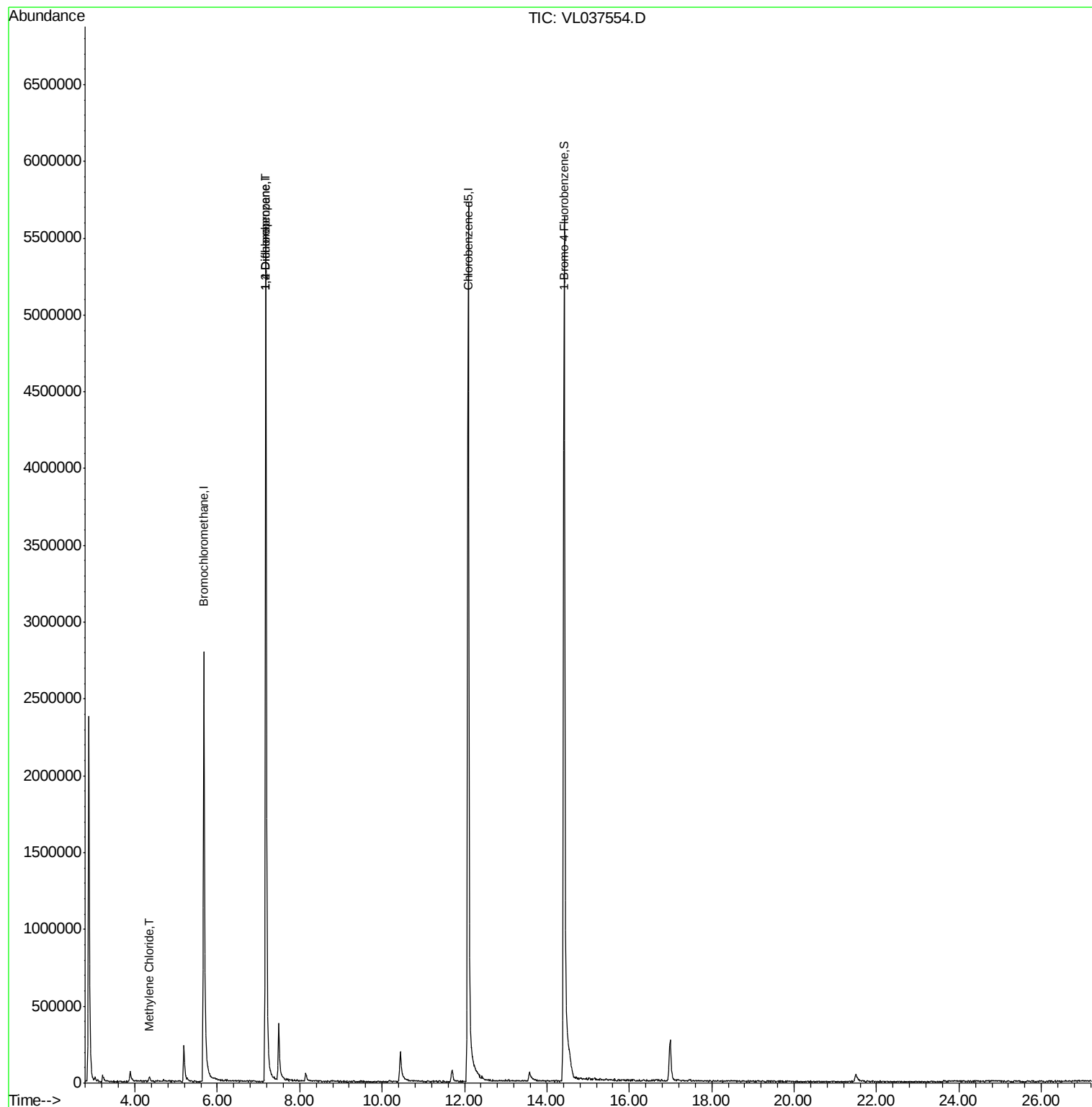
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.34	84	4448	0.053	ppbv	98
39) 1,2-Dichloropropane	7.18	63	1146880	7.332	ppbv #	27

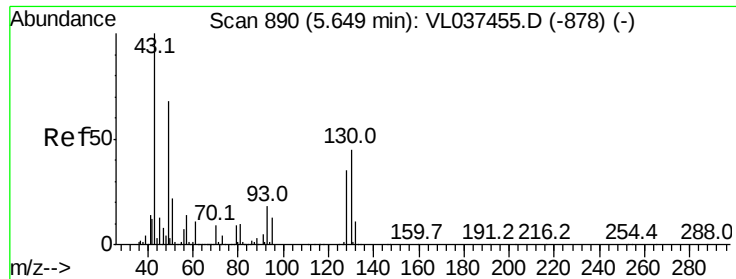
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037554.D

Acq: 7 Sep 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

CAN 10448

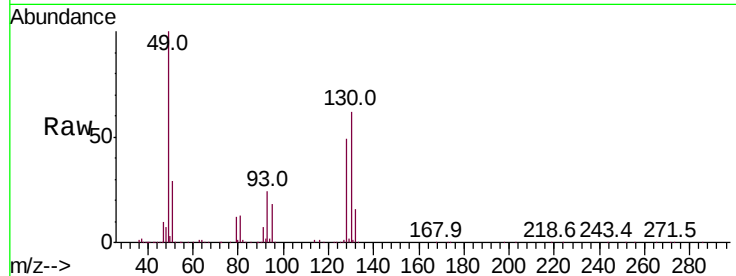
Tot Ion: 49 Resp: 1657055

Ion Ratio Lower Upper

49 100

128 53.5 27.5 82.4

130 68.7 34.0 101.8



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

5.67

800000

600000

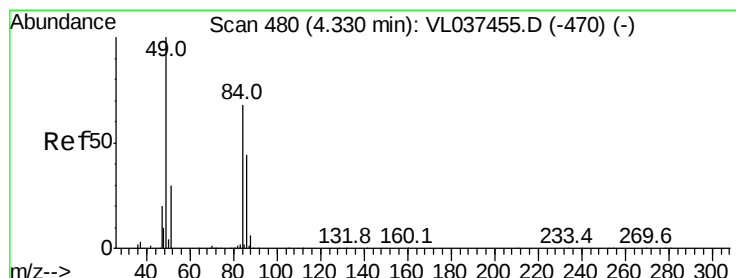
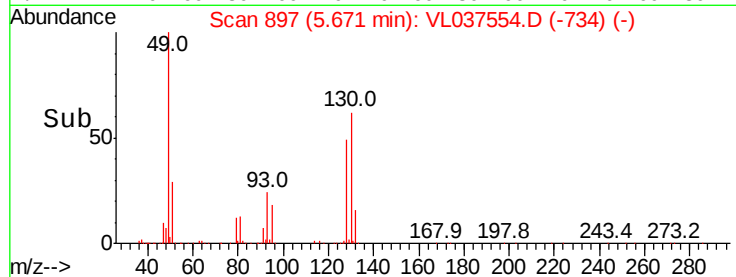
400000

200000

0

Time-->

5.60 5.65 5.70 5.75



#20

Methylene Chloride

Concen: 0.053 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037554.D

Acq: 7 Sep 2021 17:09

Tgt Ion: 84 Resp: 4448

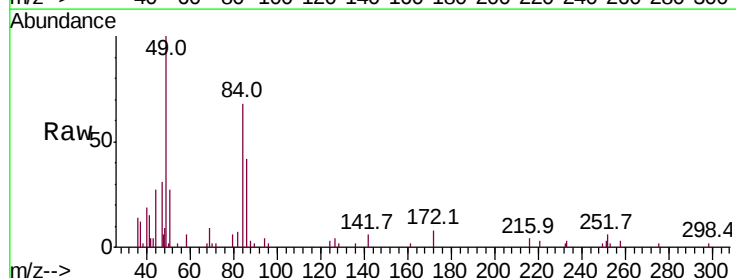
Ion Ratio Lower Upper

84 100

49 147.6 118.2 177.2

51 39.4 36.6 55.0

86 62.4 51.8 77.6



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

15000

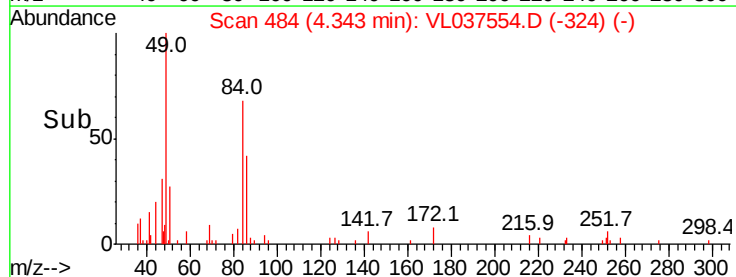
10000

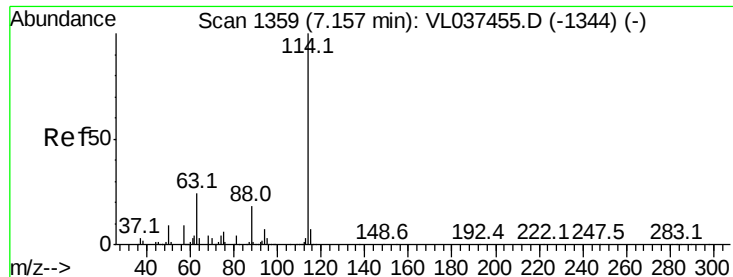
5000

0

Time-->

4.31 4.32 4.33 4.34 4.35





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.02 min

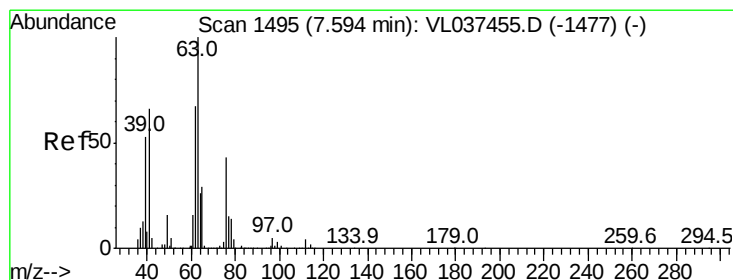
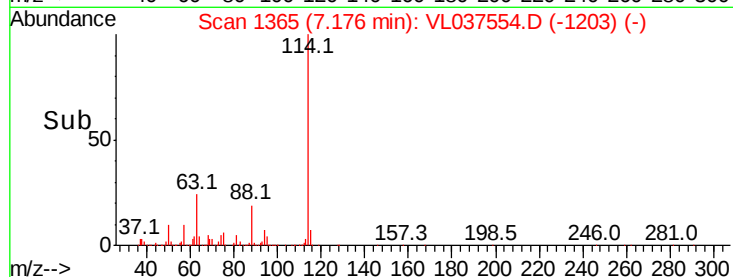
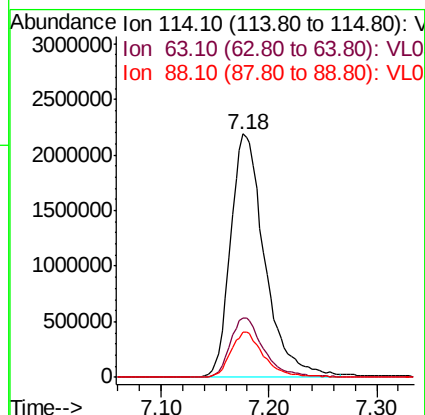
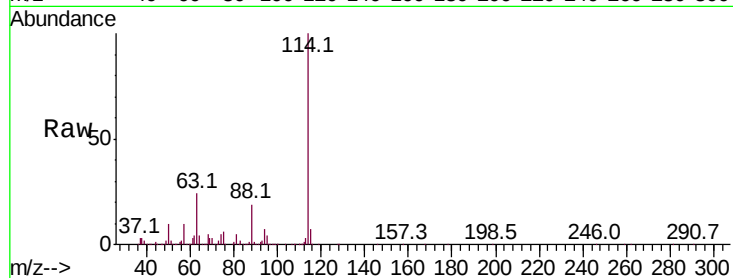
Lab File: VL037554.D

Acq: 7 Sep 2021 17:09

Instrument :
MSVOA_L
ClientSampled :
CAN 10448

Tot Ion:114 Resp: 4842714

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.3	28.9
88	18.2	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.332 ppbv

RT: 7.18 min Scan# 1366

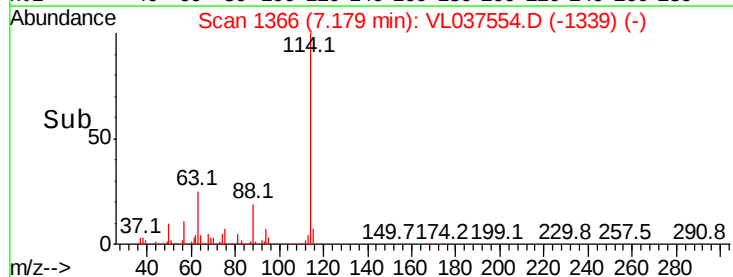
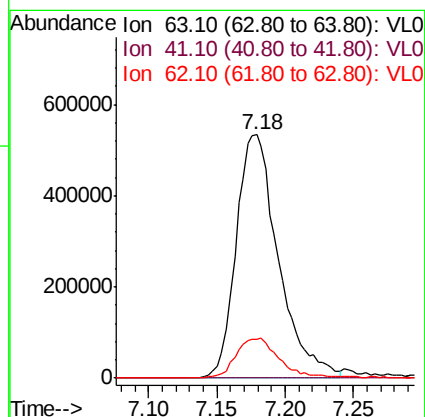
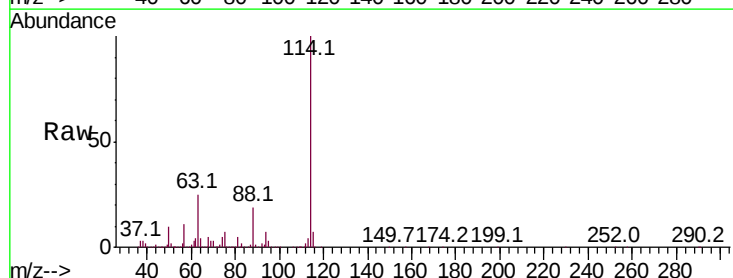
Delta R.T. -0.41 min

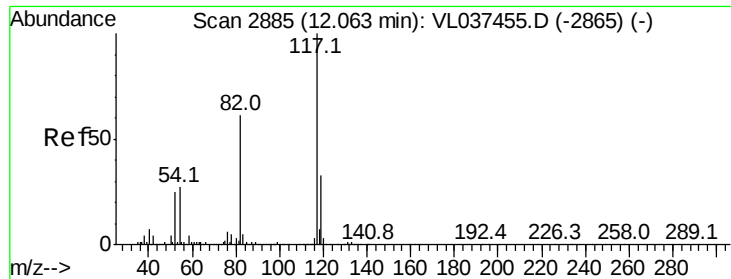
Lab File: VL037554.D

Acq: 7 Sep 2021 17:09

Tgt Ion: 63 Resp: 1146880

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.4	78.6#
62	15.9	53.6	80.4#

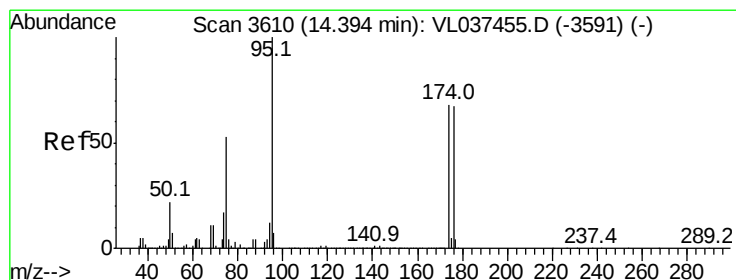
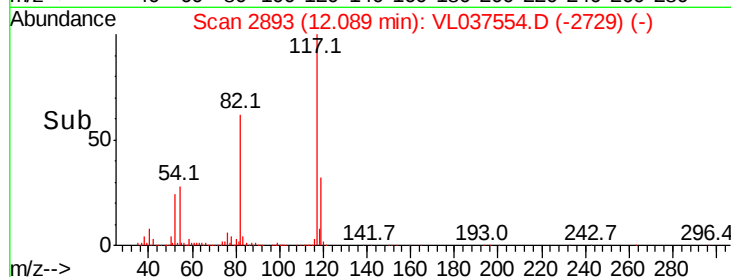
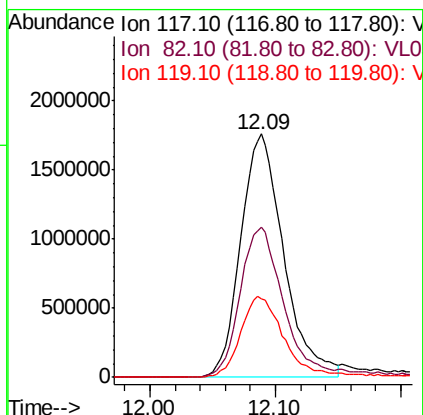
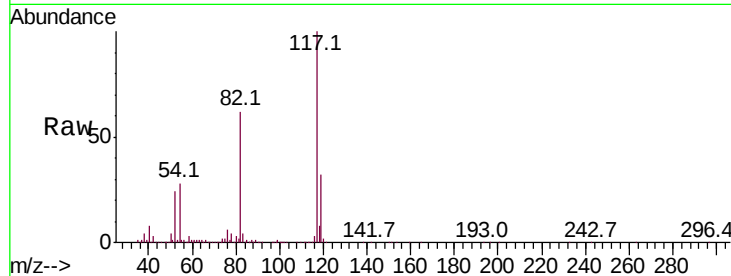




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.03 min
Lab File: VL037554.D
Acq: 7 Sep 2021 17:09

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MSVOA_L
ClientSampleId :
CAN 10448

Tot Ion:117 Resp: 4198928
Ion Ratio Lower Upper
117 100
82 67.0 52.9 79.3
119 35.3 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.630 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.02 min
Lab File: VL037554.D
Acq: 7 Sep 2021 17:09

Tgt Ion: 95 Resp: 3170941
Ion Ratio Lower Upper
95 100
174 73.4 59.6 89.4
175 5.4 4.6 7.0

