

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036900.D
 Acq On : 6 May 2021 12:59
 Operator : SY/AP
 Sample : OC042821 CAN 10326
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042821 CAN 10326

Quant Time: May 07 08:10:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1329161	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3150291	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2733744	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2158541	9.84	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

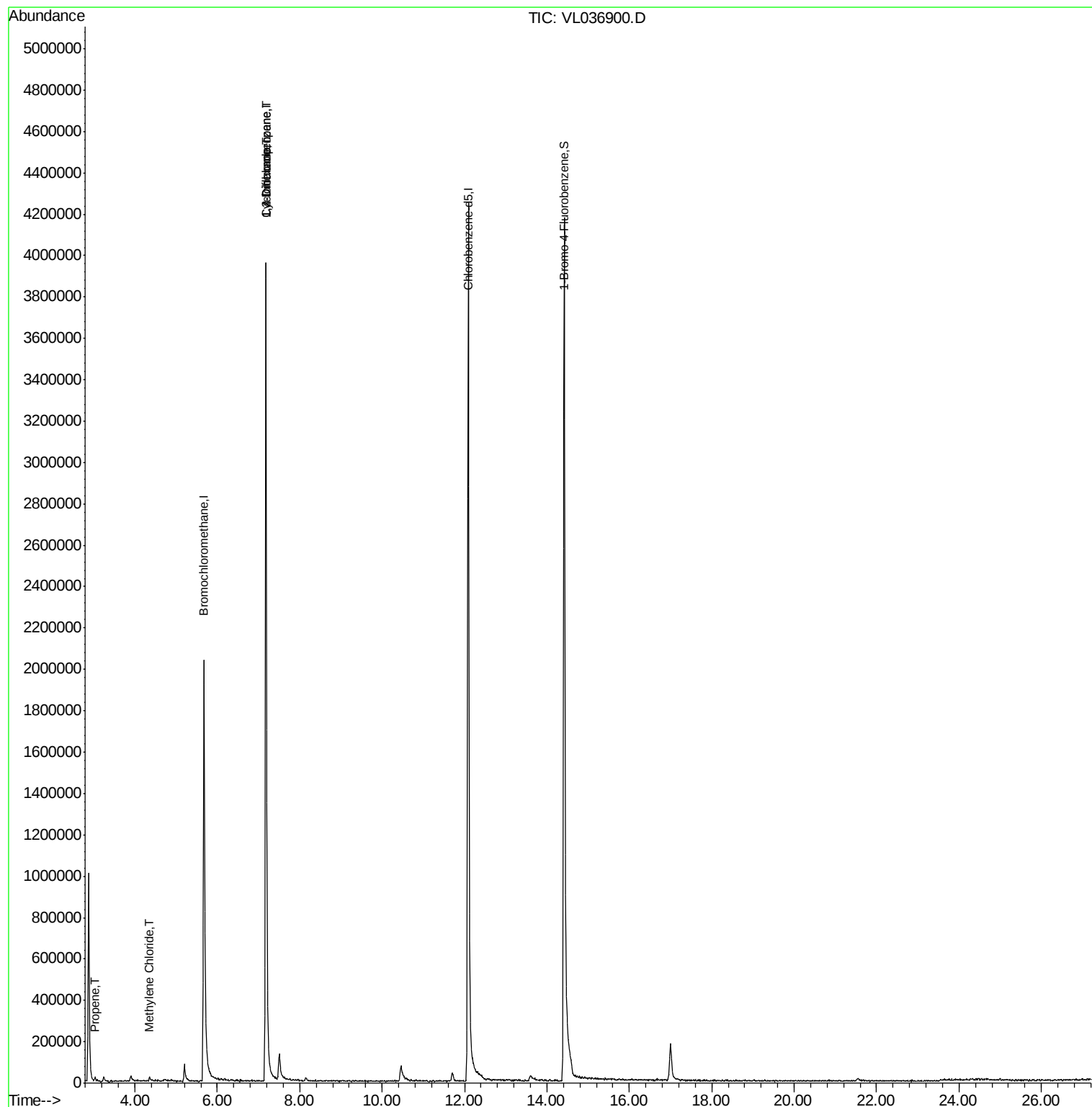
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	6437	0.087	ppbv	99
20) Methylene Chloride	4.34	84	4528	0.076	ppbv #	42
30) Cyclohexane	7.17	84	13747	0.121	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	844161	7.938	ppbv #	25

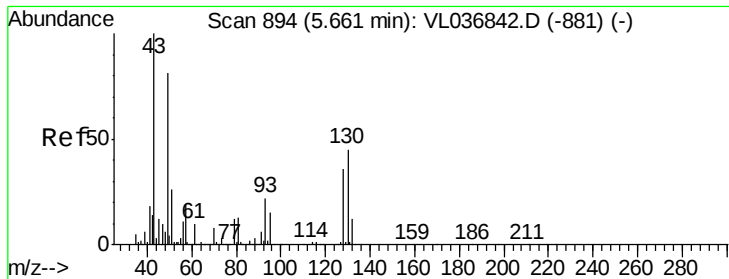
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 May 2021 12:59

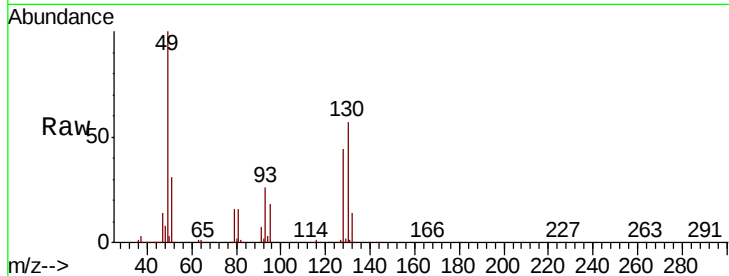
Tot Ion: 49 Resp: 1329161

Ion Ratio Lower Upper

49 100

128 46.3 24.4 73.2

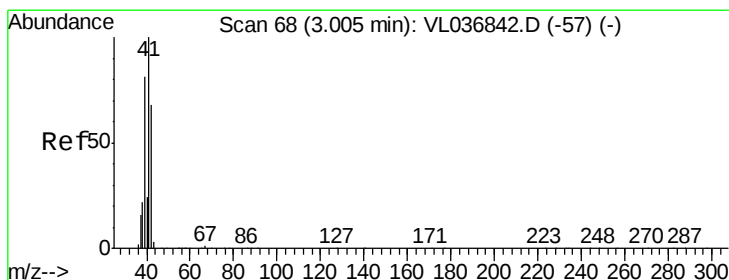
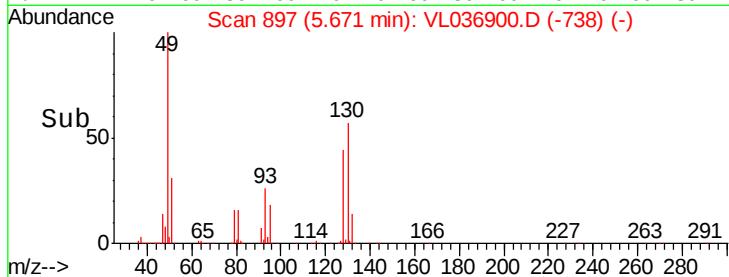
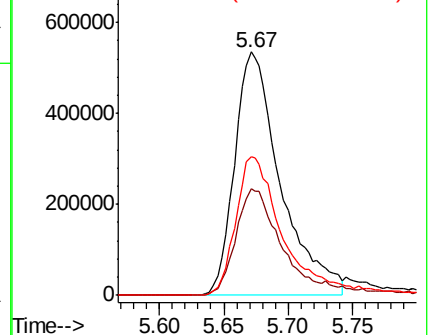
130 61.0 30.3 90.8



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



#9

Propene

Concen: 0.087 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL036900.D

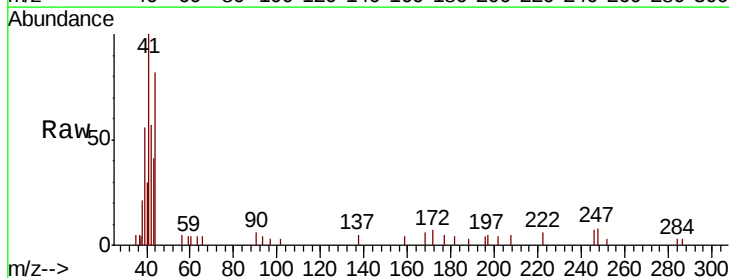
Acq: 6 May 2021 12:59

Tgt Ion: 41 Resp: 6437

Ion Ratio Lower Upper

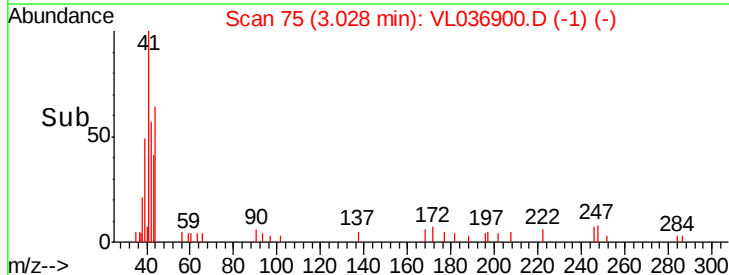
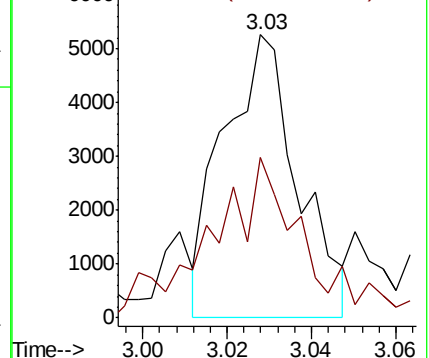
41 100

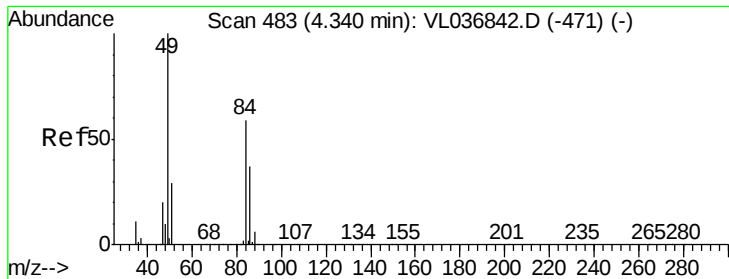
42 70.7 56.0 84.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

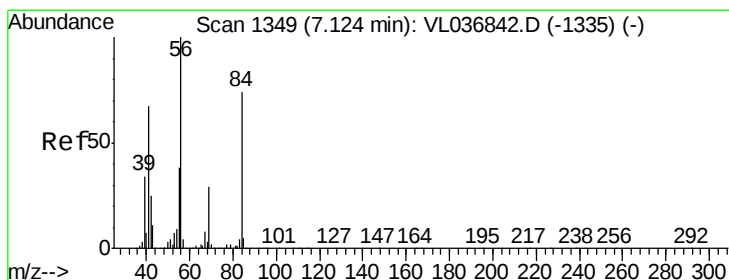
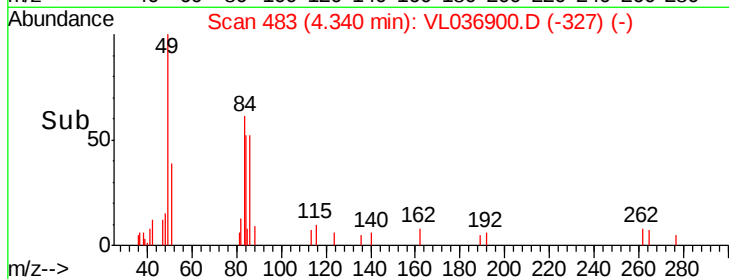
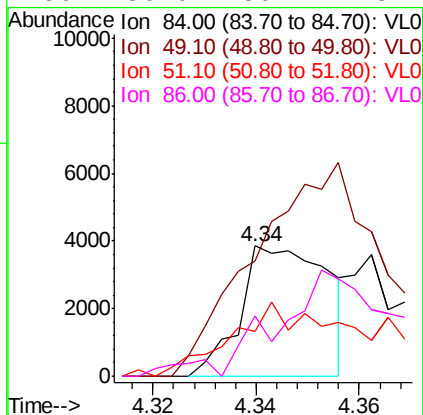
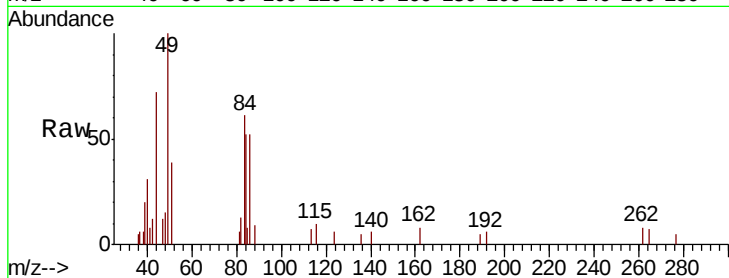




#20
Methvlene Chloride
Concen: 0.076 ppbv
RT: 4.34
Instrument: MSVOA_L
Delta R.T.
Lab File: ClientSampleId :
OC042821 CAN 10326
Acq: 6 May 2021 12:59

Tot Ion: 84 Resp: 4528

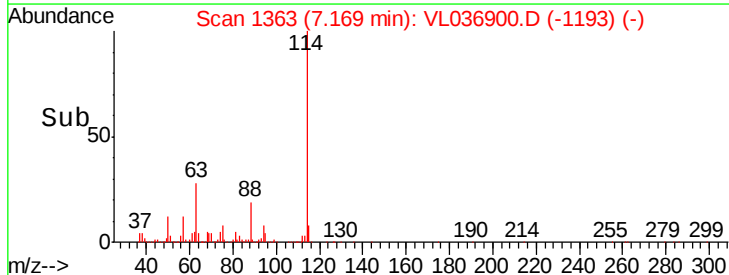
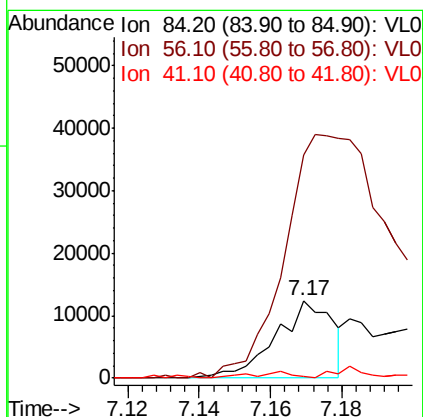
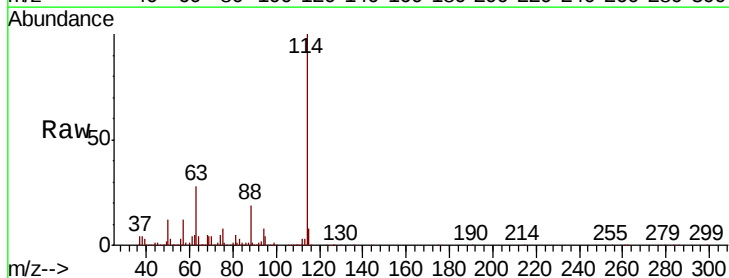
Ion	Ratio	Lower	Upper
84	100		
49	73.0	135.4	203.0#
51	18.7	39.3	58.9#
86	36.0	50.2	75.2#

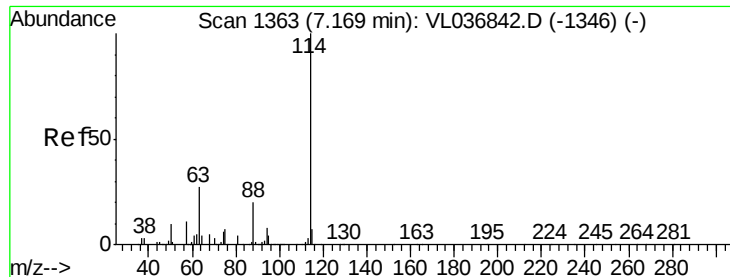


#30
Cyclohexane
Concen: 0.121 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.05 min
Lab File: VL036900.D
Acq: 6 May 2021 12:59

Tgt Ion: 84 Resp: 13747

Ion	Ratio	Lower	Upper
84	100		
56	703.7	115.8	173.6#
41	0.0	74.6	111.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 May 2021 12:59 OC042821 CAN 10326

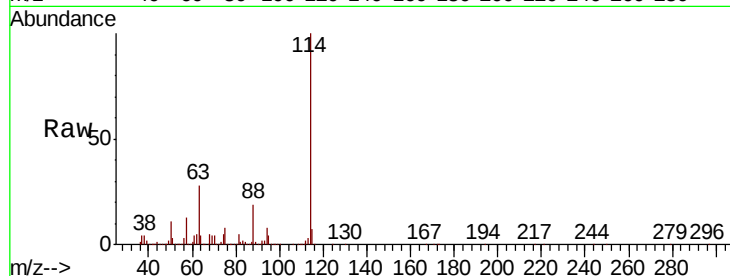
Tot Ion:114 Resp: 3150291

Ion Ratio Lower Upper

114 100

63 28.2 21.9 32.9

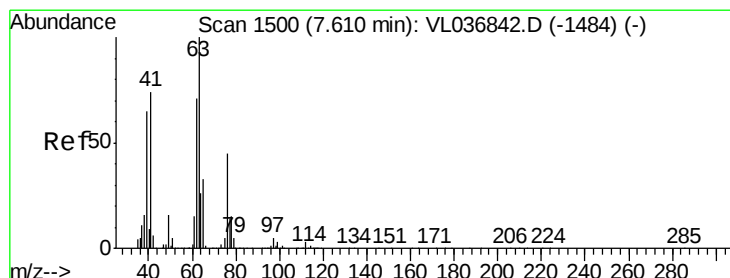
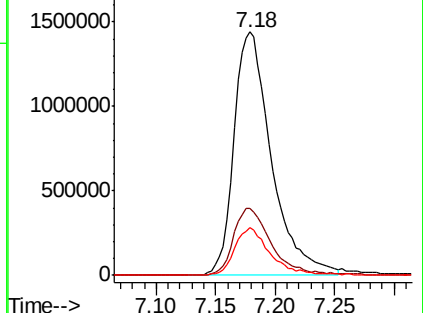
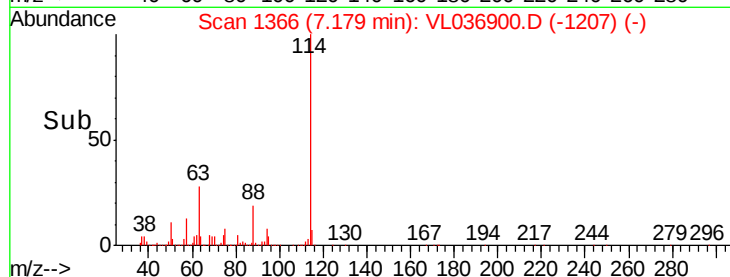
88 19.0 15.1 22.7



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 7.938 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.43 min

Lab File: VL036900.D

Acq: 6 May 2021 12:59

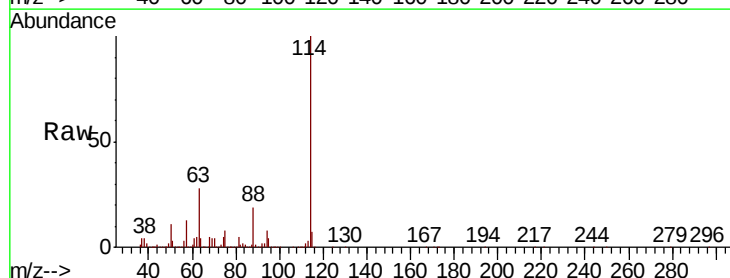
Tgt Ion: 63 Resp: 844161

Ion Ratio Lower Upper

63 100

41 0.3 59.1 88.7#

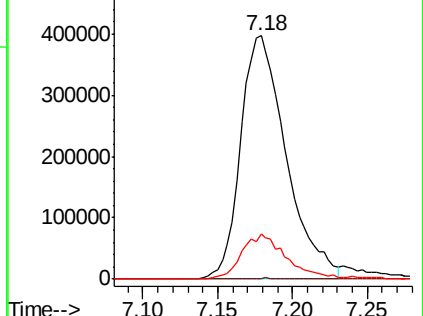
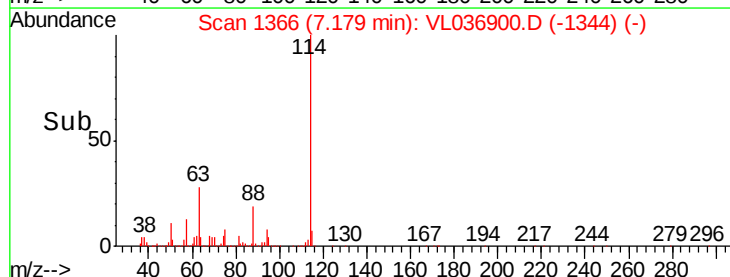
62 18.7 56.9 85.3#

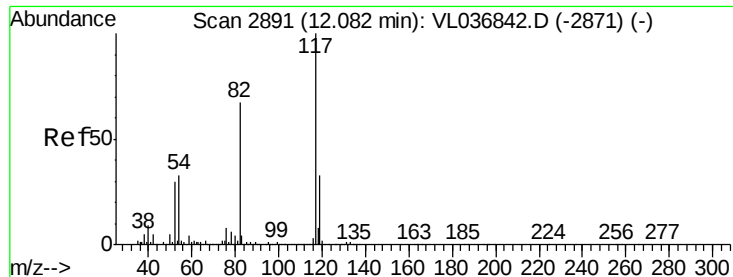


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

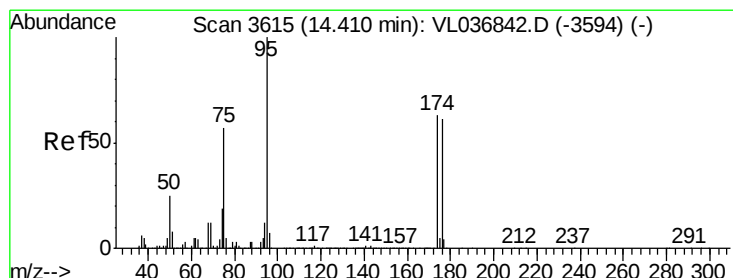
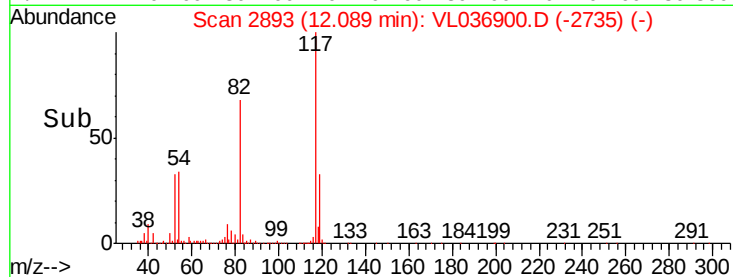
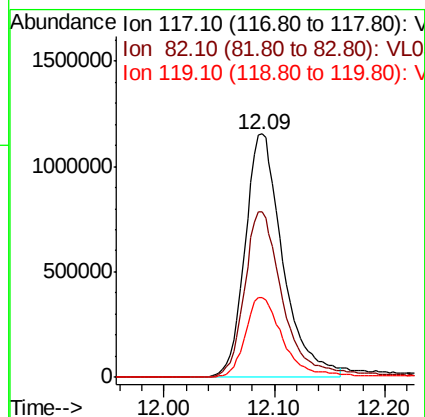
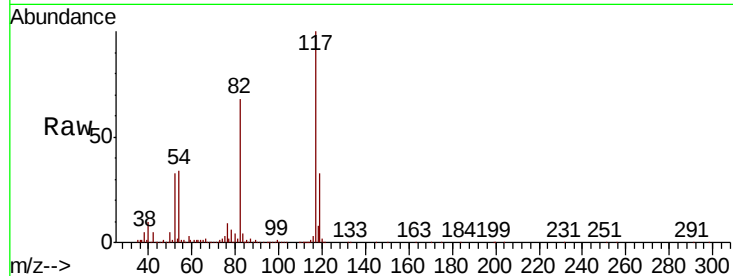




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 OC042821 CAN 10326
 Acq: 6 May 2021 12:59

Tot Ion:117 Resp: 2733744

Ion	Ratio	Lower	Upper
117	100		
82	71.4	53.5	80.3
119	33.5	25.6	38.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.836 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.01 min
 Lab File: VL036900.D
 Acq: 6 May 2021 12:59

Tgt Ion: 95 Resp: 2158541

Ion	Ratio	Lower	Upper
95	100		
174	68.2	52.2	78.2
175	4.9	4.0	6.0

