

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037550.D
 Acq On : 7 Sep 2021 14:40
 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 11:10:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue 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	5.66	49	1663066	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4877509	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4280268	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3209108	10.55	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

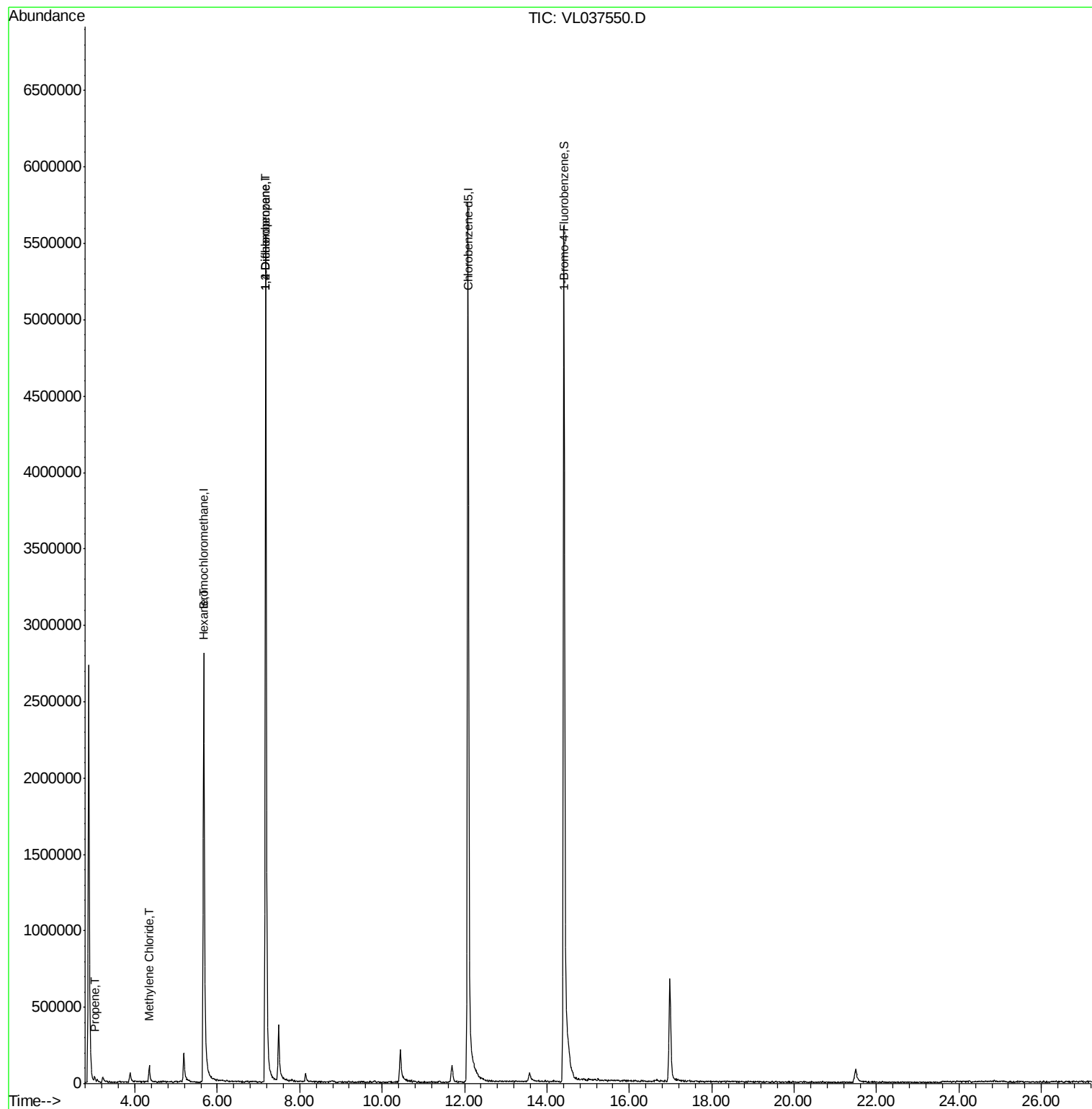
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	4526	0.040	ppbv #	16
20) Methylene Chloride	4.35	84	24927	0.294	ppbv	93
26) Hexane	5.68	57	7664	0.036	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	1159647	7.360	ppbv #	26

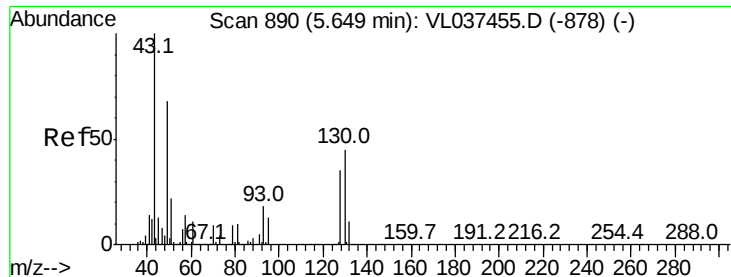
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL037550.D

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CAN 10448

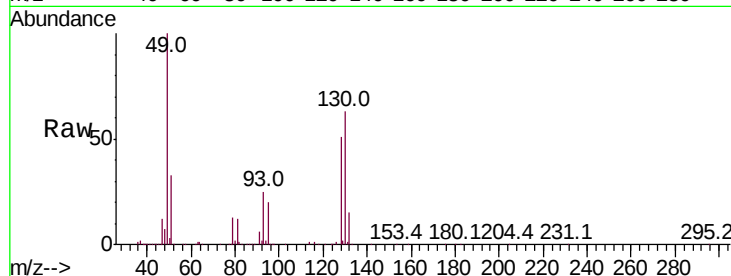
Tot Ion: 49 Resp: 1663066

Ion Ratio Lower Upper

49 100

128 55.4 27.5 82.4

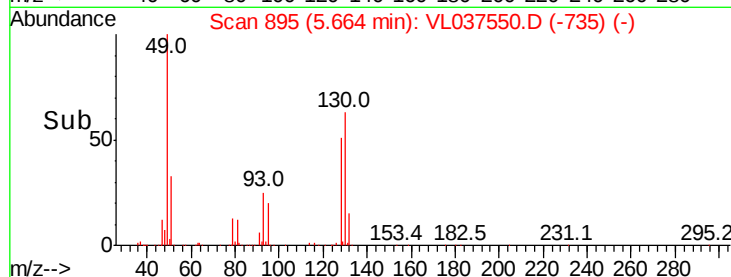
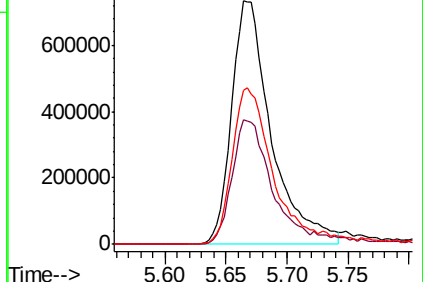
130 69.0 34.0 101.8



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



#9

Propene

Concen: 0.040 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037550.D

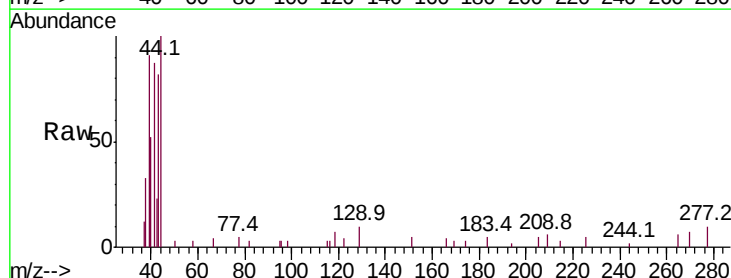
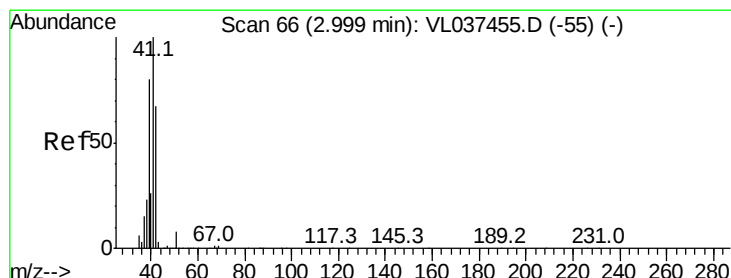
Acq: 7 Sep 2021 14:40

Tgt Ion: 41 Resp: 4526

Ion Ratio Lower Upper

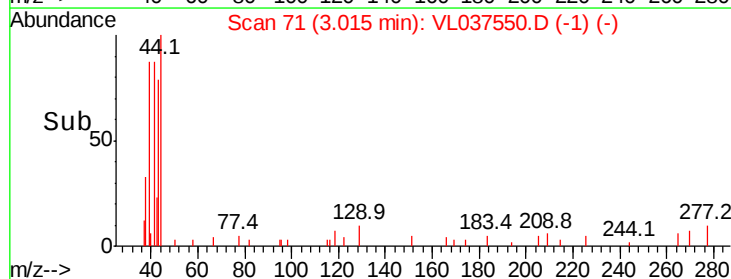
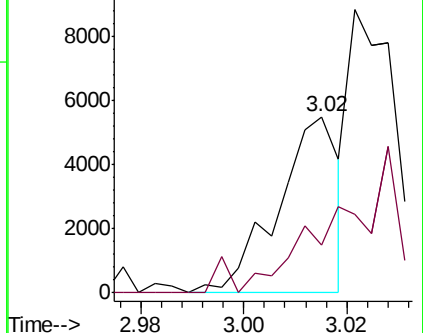
41 100

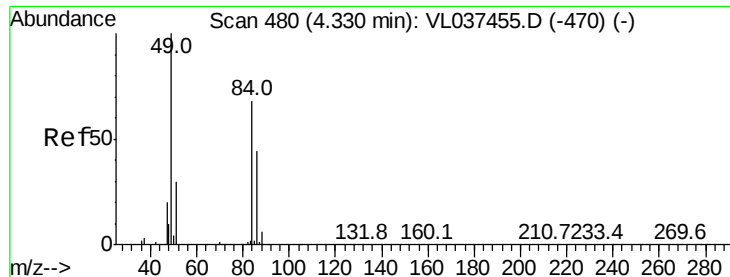
42 0.0 53.7 80.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

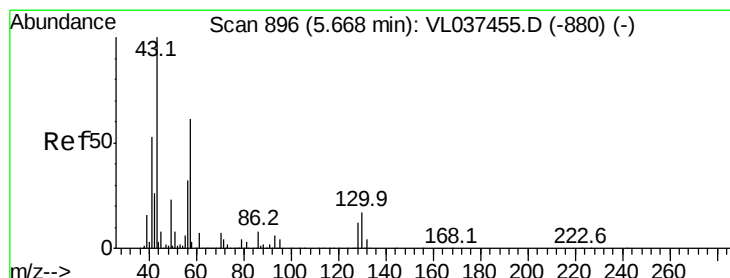
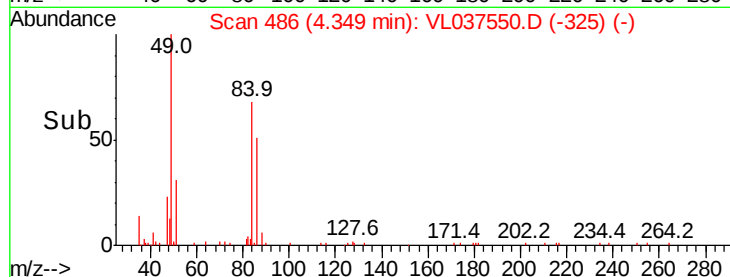
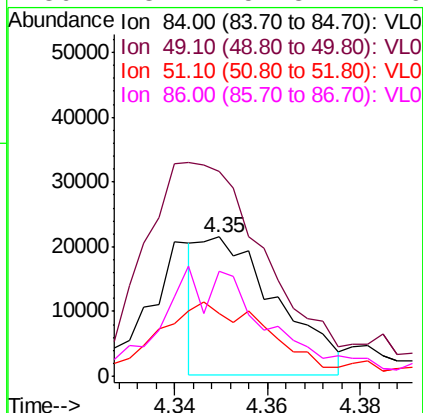
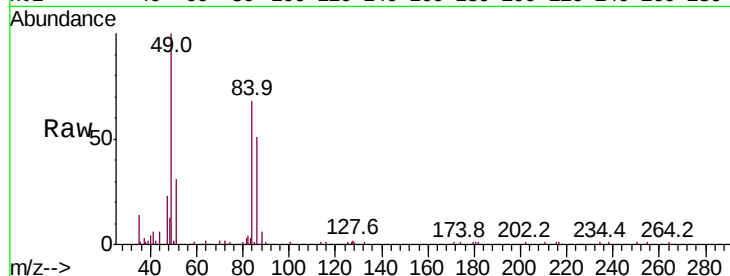




#20
Methvlene Chloride
Concen: 0.294 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.02 min
Lab File: VL037550.D
Acq: 7 Sep 2021 14:40

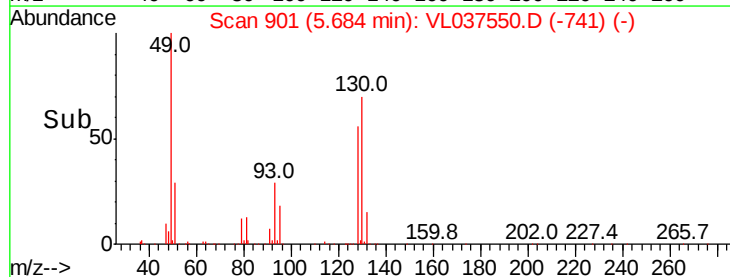
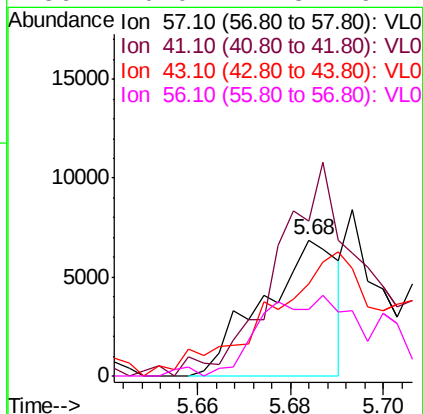
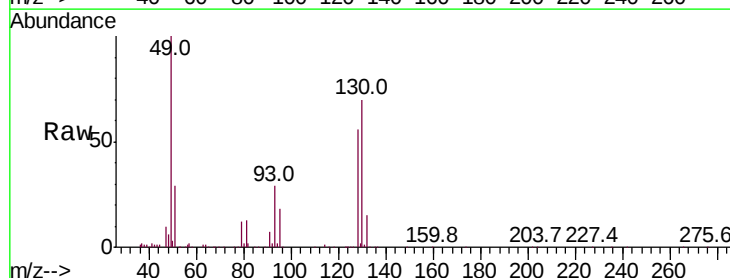
Instrument :
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ClientSampleId :
CAN 10448

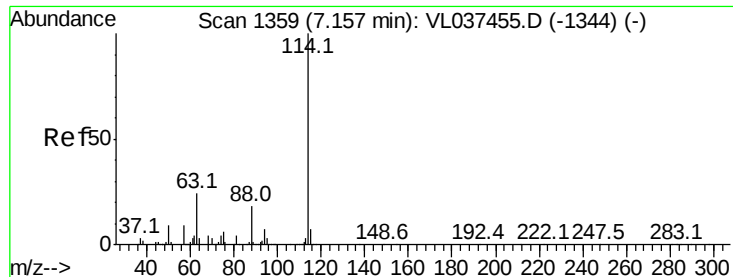
Tot Ion:	84	Resp:	24927
Ion	Ratio	Lower	Upper
84	100		
49	155.4	118.2	177.2
51	47.3	36.6	55.0
86	73.4	51.8	77.6



#26
Hexane
Concen: 0.036 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037550.D
Acq: 7 Sep 2021 14:40

Tgt Ion:	57	Resp:	7664
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.3	108.5#
43	0.0	172.3	258.5#
56	0.0	42.8	64.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.02 min

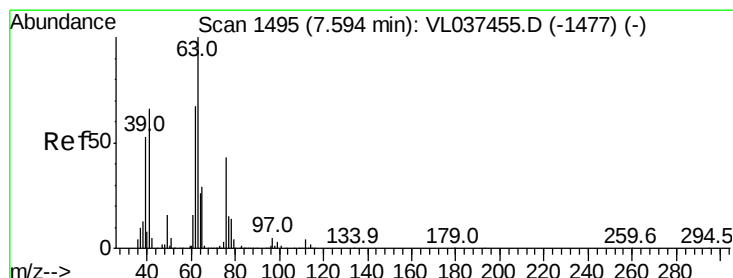
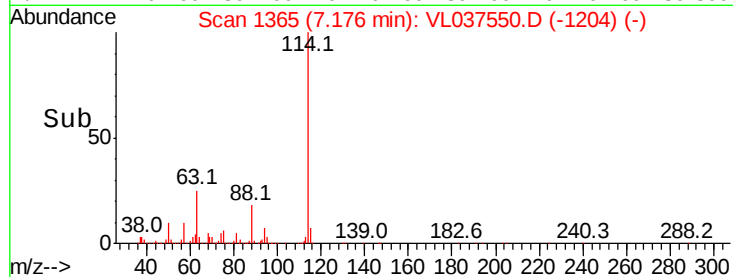
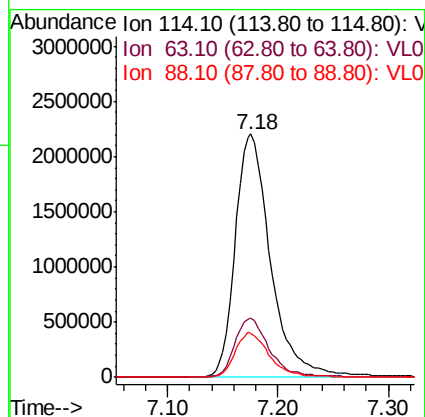
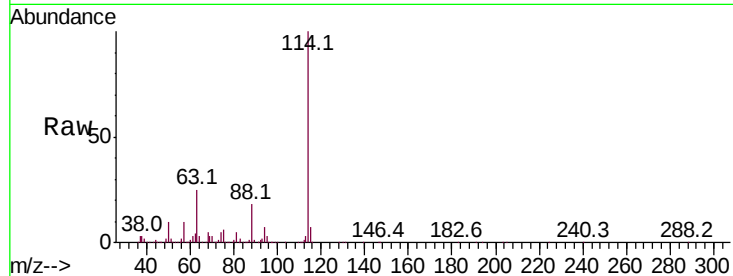
Lab File: VL037550.D

Acq: 7 Sep 2021 14:40

Instrument :
MSVOA_L
ClientSampleId :
CAN 10448

Tot Ion:114 Resp: 4877509

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: 7.360 ppbv

RT: 7.18 min Scan# 1365

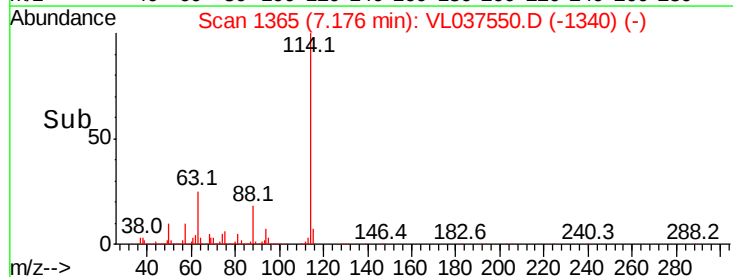
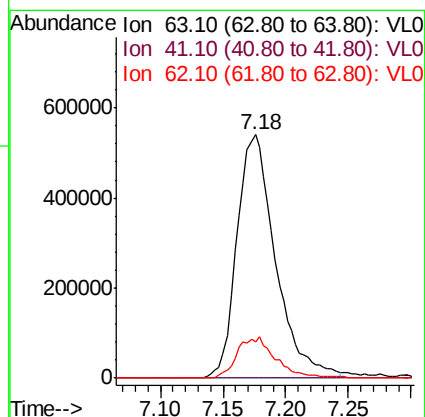
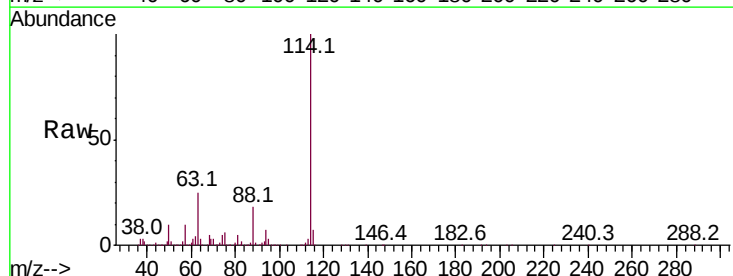
Delta R.T. -0.42 min

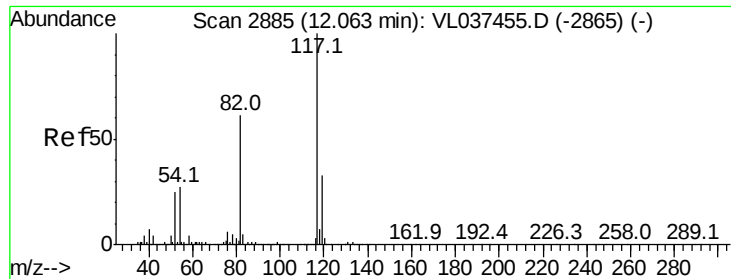
Lab File: VL037550.D

Acq: 7 Sep 2021 14:40

Tgt Ion: 63 Resp: 1159647

Ion	Ratio	Lower	Upper
63	100		
41	0.1	52.4	78.6#
62	15.1	53.6	80.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.02 min

Lab File: VL037550.D

Acq: 7 Sep 2021 14:40

Instrument :

MSVOA_L

ClientSampleId :

CAN 10448

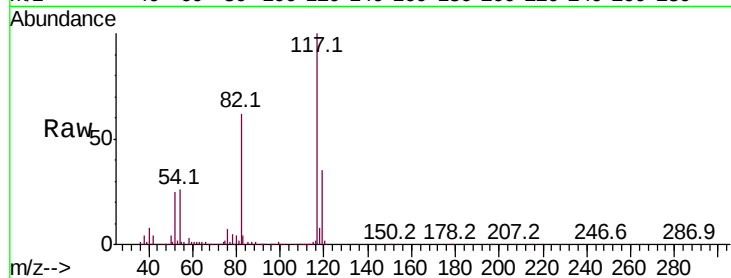
Tot Ion:117 Resp: 4280268

Ion Ratio Lower Upper

117 100

82 67.2 52.9 79.3

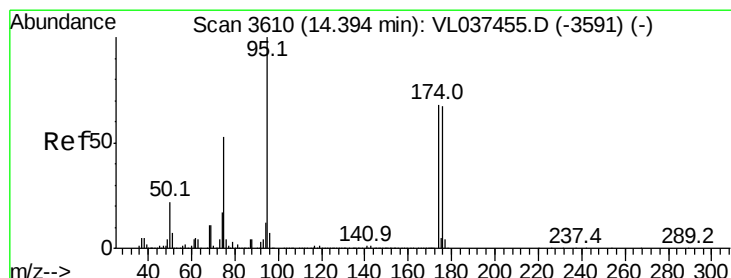
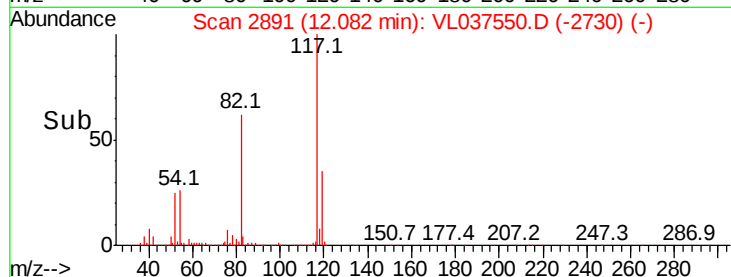
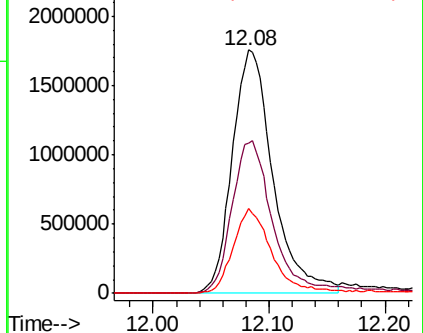
119 35.1 24.8 37.2



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: 10.553 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.02 min

Lab File: VL037550.D

Acq: 7 Sep 2021 14:40

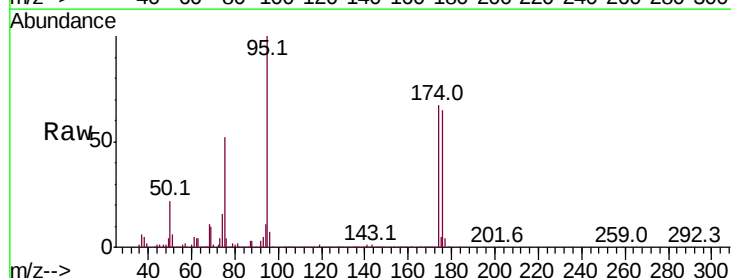
Tgt Ion: 95 Resp: 3209108

Ion Ratio Lower Upper

95 100

174 73.1 59.6 89.4

175 5.2 4.6 7.0



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

