

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037591.D
 Acq On : 9 Sep 2021 3:56
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 09 09:16:16 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	5.68	49	1550033	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4517638	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4025729	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2739257	9.58	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

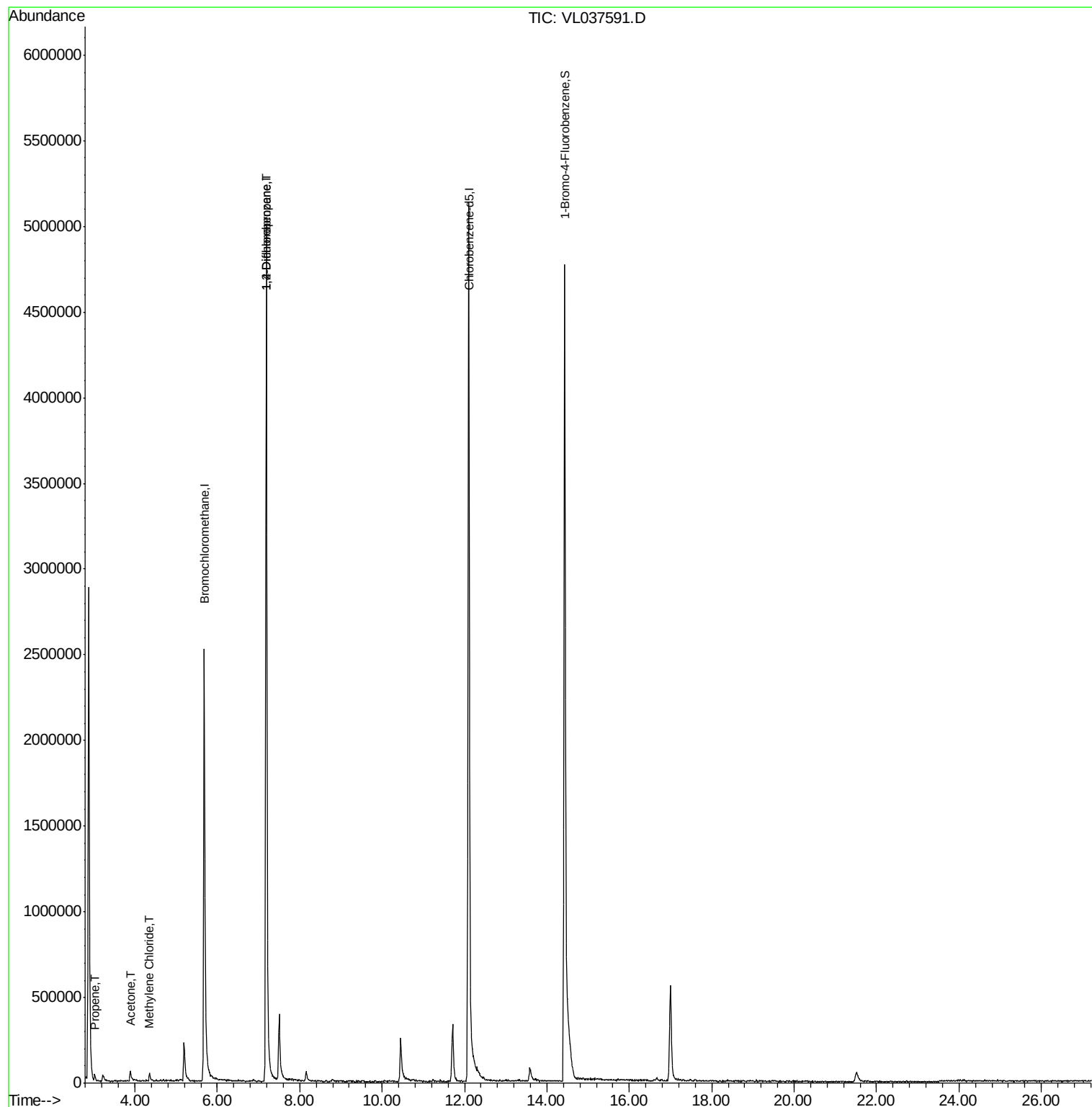
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	13895	0.131	ppbv	86
15) Acetone	3.88	43	42128	0.267	ppbv #	1
20) Methylene Chloride	4.35	84	8211	0.104	ppbv #	59
39) 1,2-Dichloropropane	7.19	63	1062303	7.280	ppbv #	28

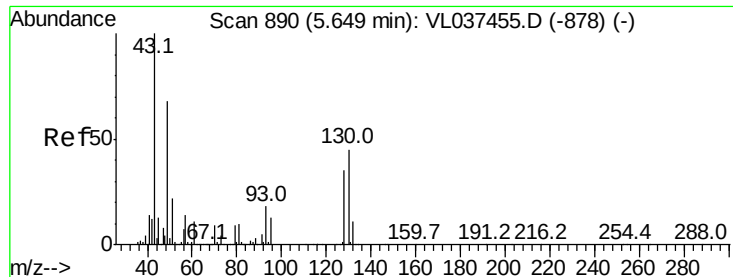
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

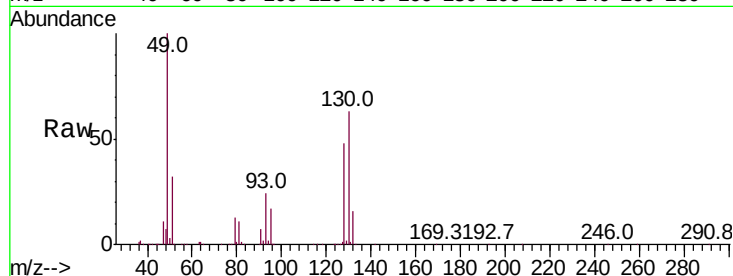
Tot Ion: 49 Resp: 1550033

Ion Ratio Lower Upper

49 100

128 53.9 27.5 82.4

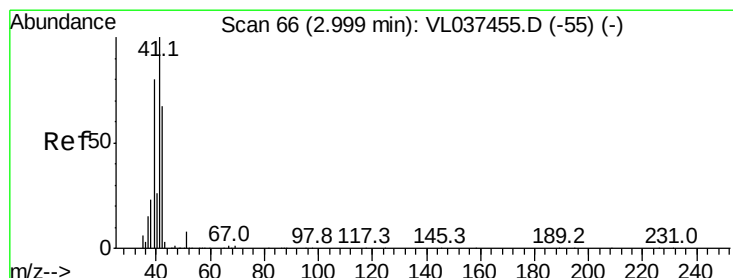
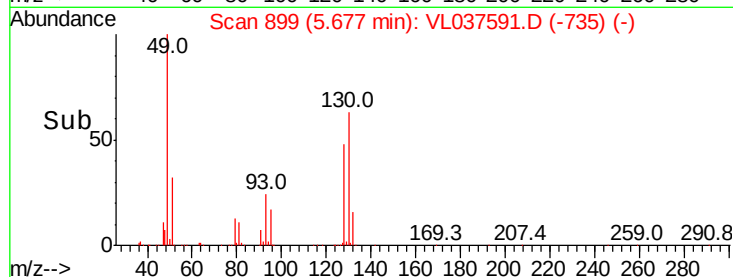
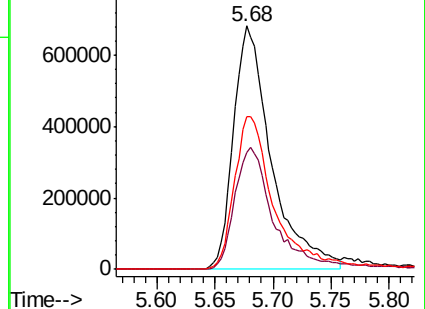
130 68.3 34.0 101.8



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: 0.131 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.03 min

Lab File: VL037591.D

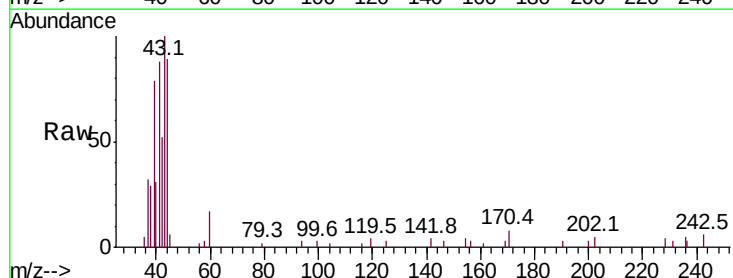
Acq: 9 Sep 2021 3:56

Tgt Ion: 41 Resp: 13895

Ion Ratio Lower Upper

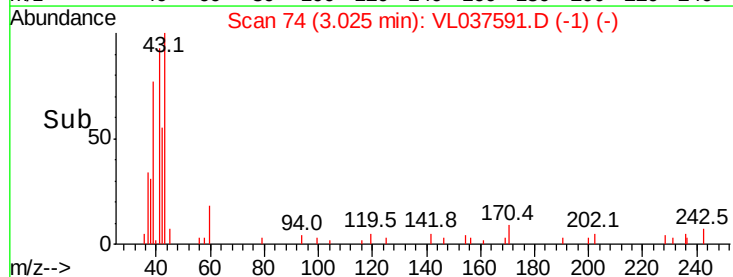
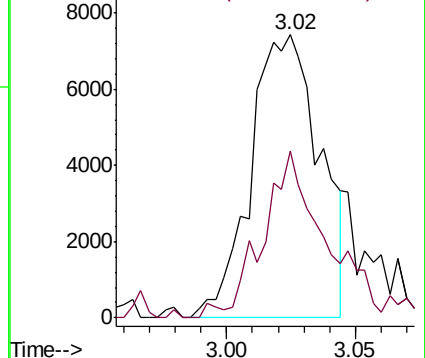
41 100

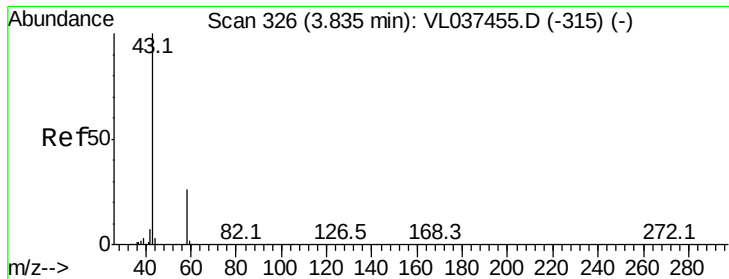
42 55.9 53.7 80.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.267 ppbv

RT: 3.88 min Scan# 340

Delta R.T. 0.04 min

Lab File: VL037591.D

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Instrument :

MSVOA_L

ClientSampleId :

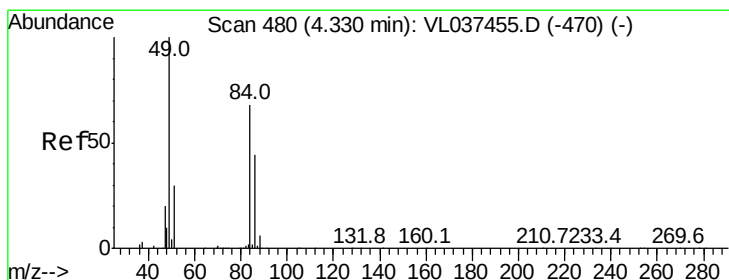
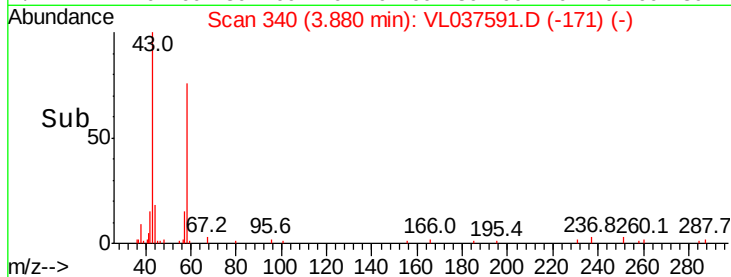
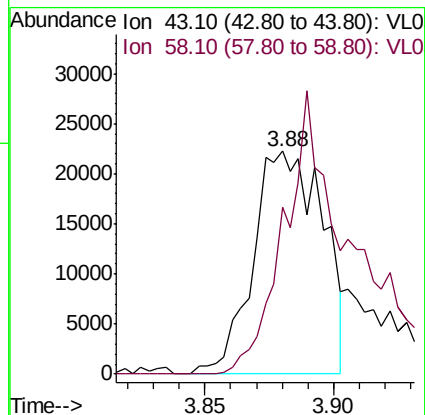
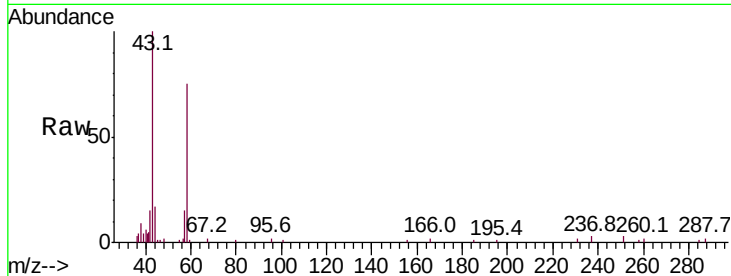
VIBLK

Tot Ion: 43 Resp: 42128

Ion Ratio Lower Upper

43 100

58 121.7 24.8 37.2#



#20

Methylene Chloride

Concen: 0.104 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL037591.D

Acq: 9 Sep 2021 3:56

Tgt Ion: 84 Resp: 8211

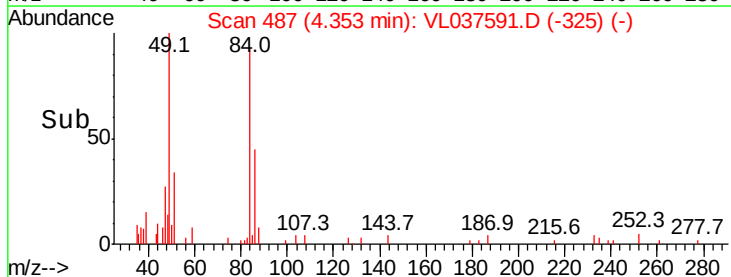
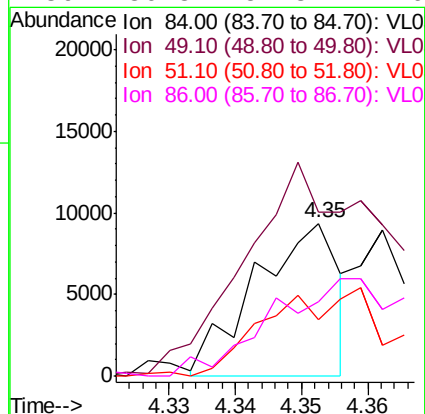
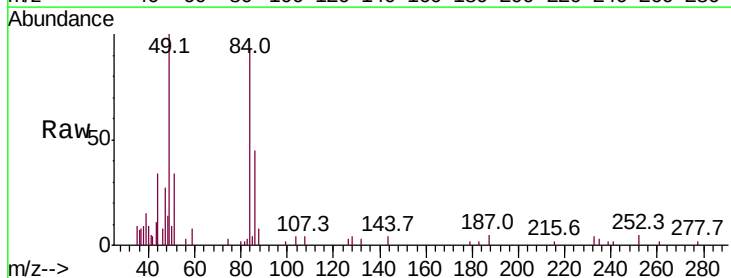
Ion Ratio Lower Upper

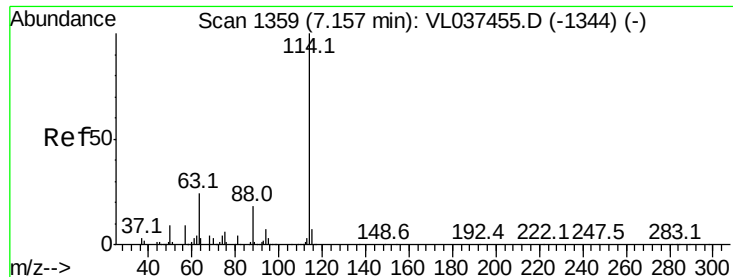
84 100

49 80.8 118.2 177.2#

51 38.0 36.6 55.0

86 36.8 51.8 77.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.03 min

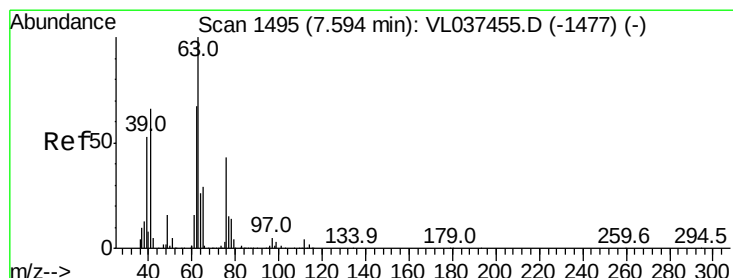
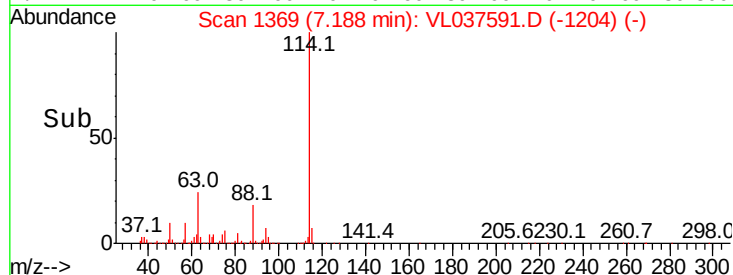
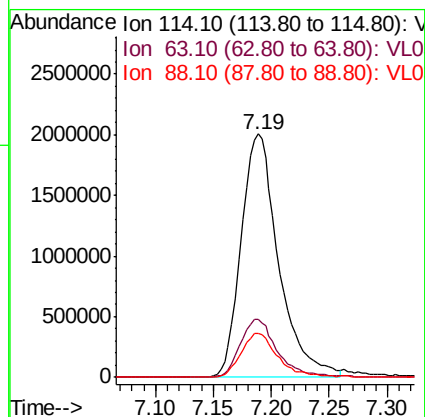
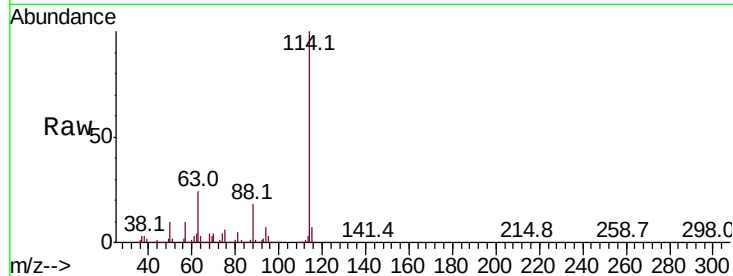
Lab File: VL037591.D

Acq: 9 Sep 2021 3:56

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:114 Resp: 4517638

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.3	28.9
88	18.3	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.280 ppbv

RT: 7.19 min Scan# 1369

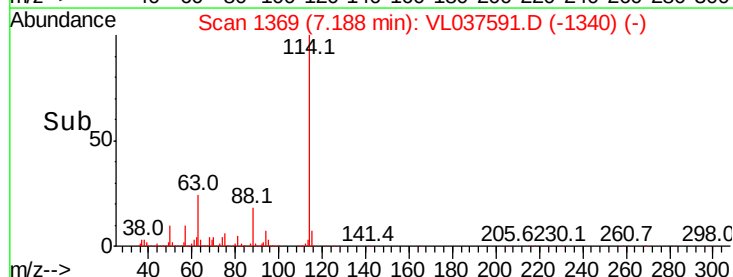
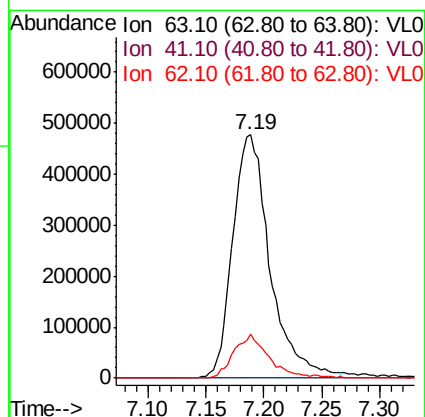
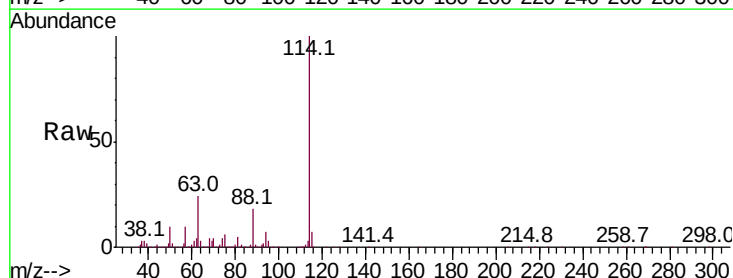
Delta R.T. -0.41 min

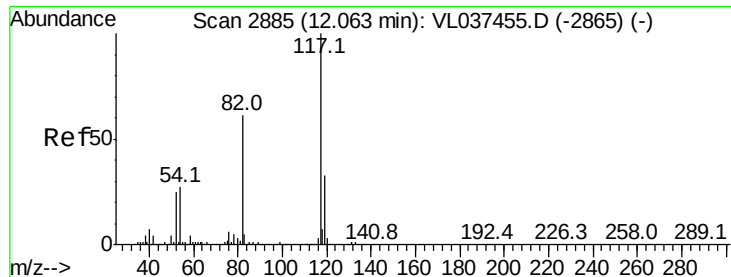
Lab File: VL037591.D

Acq: 9 Sep 2021 3:56

Tgt Ion: 63 Resp: 1062303

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.4	78.6#
62	17.8	53.6	80.4#

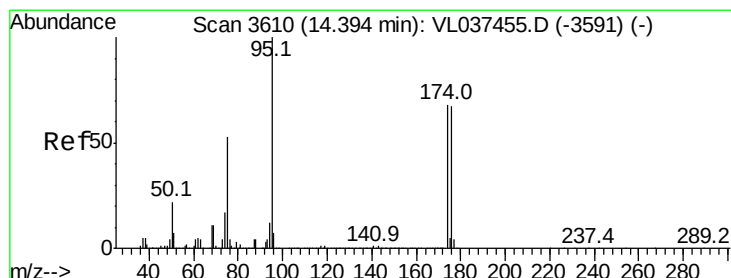
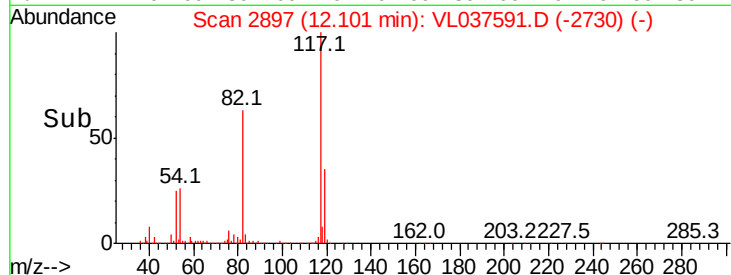
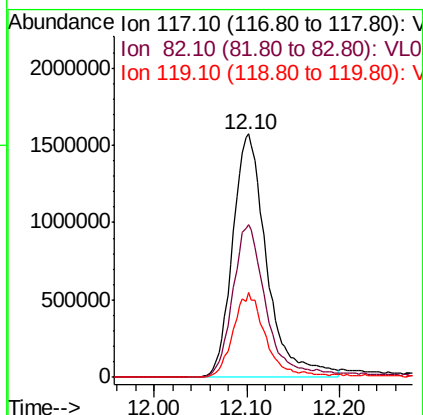
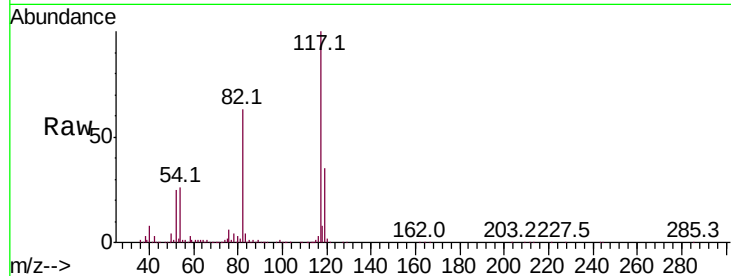




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL037591.D
Acq: 9 Sep 2021 3:56

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:117 Resp: 4025729
Ion Ratio Lower Upper
117 100
82 61.7 52.9 79.3
119 34.9 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.578 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. 0.04 min
Lab File: VL037591.D
Acq: 9 Sep 2021 3:56

Tgt Ion: 95 Resp: 2739257
Ion Ratio Lower Upper
95 100
174 81.3 59.6 89.4
175 5.7 4.6 7.0

