

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037542.D
 Acq On : 7 Sep 2021 9:15
 Operator : SY/AP
 Sample : VL0907ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0907ABL01

Quant Time: Sep 08 11:09:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.66	49	1846119	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	5347592	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4752374	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3487266	10.33	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

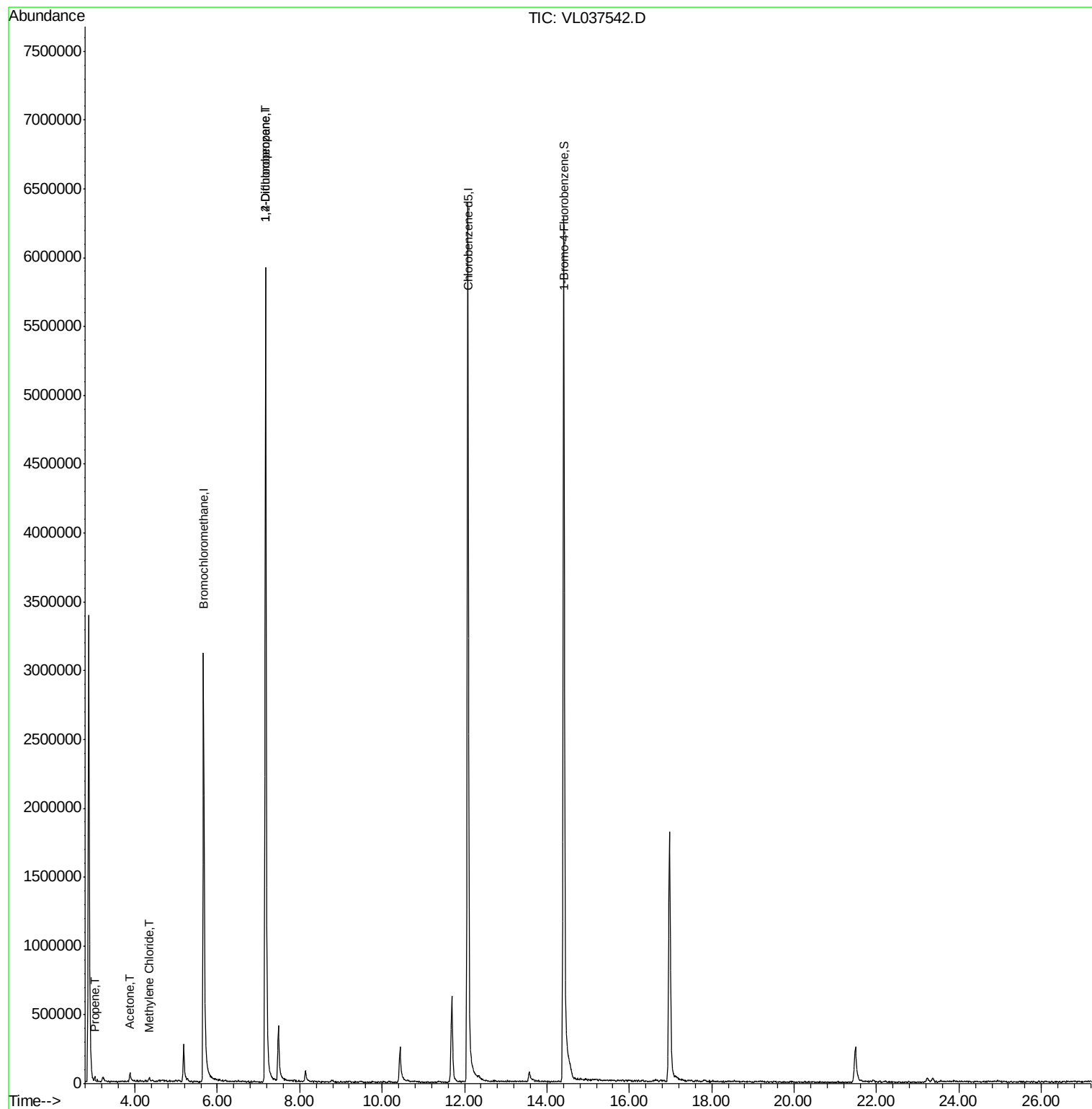
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	7143	0.056	ppbv #	70
15) Acetone	3.87	43	24384	0.130	ppbv #	44
20) Methylene Chloride	4.34	84	5526	0.059	ppbv #	33
39) 1,2-Dichloropropane	7.17	63	1263192	7.313	ppbv #	27

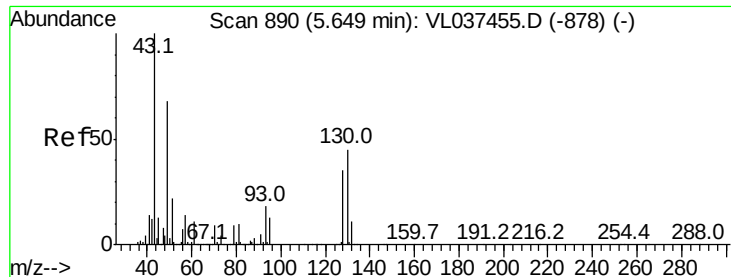
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL037542.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0907ABL01

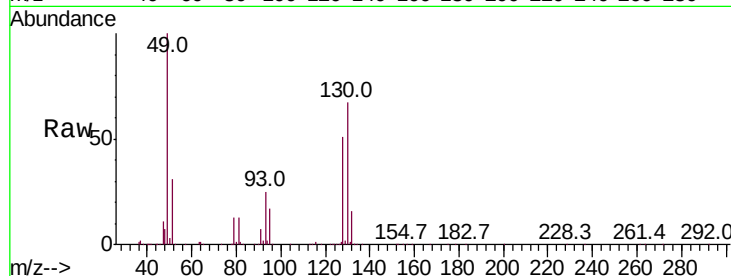
Tot Ion: 49 Resp: 1846119

Ion Ratio Lower Upper

49 100

128 53.4 27.5 82.4

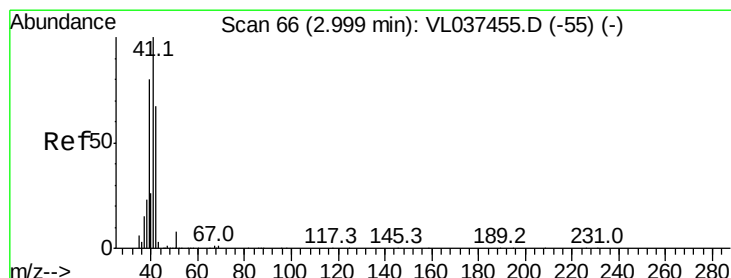
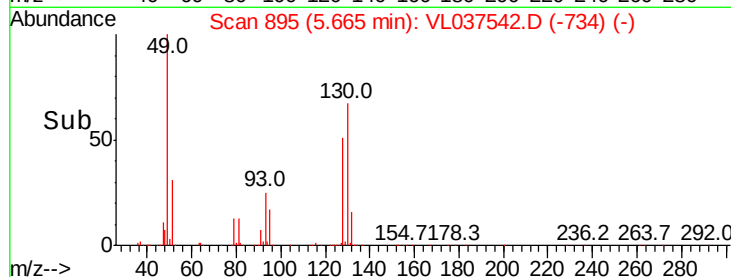
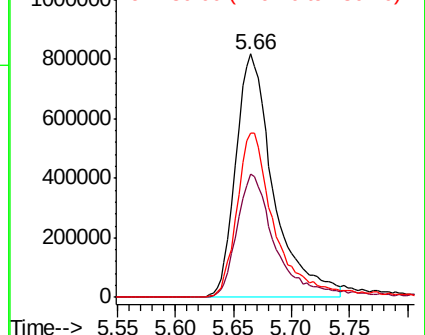
130 70.4 34.0 101.8



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: 0.056 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037542.D

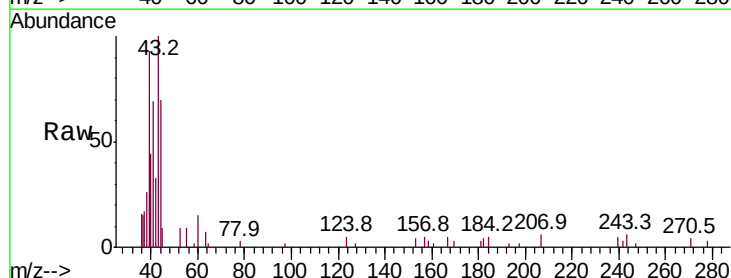
Acq: 7 Sep 2021 9:15

Tgt Ion: 41 Resp: 7143

Ion Ratio Lower Upper

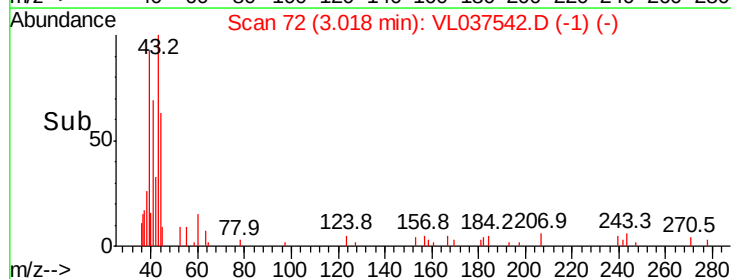
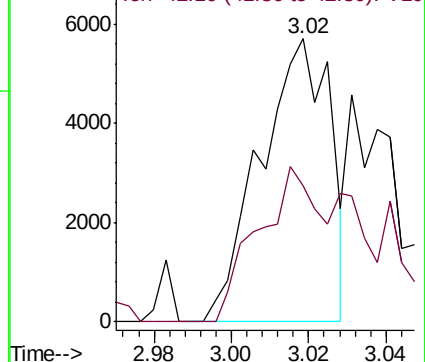
41 100

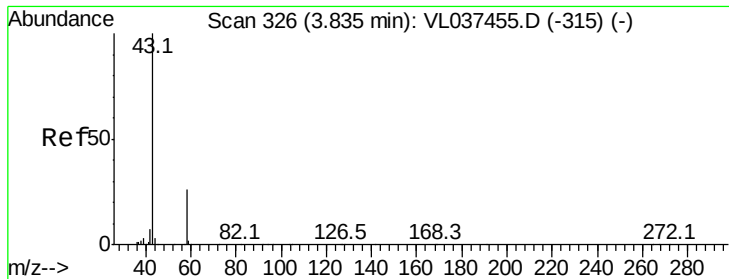
42 91.1 53.7 80.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.130 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL037542.D

Acq: 7 Sep 2021 9:15

Instrument :

MSVOA_L

ClientSampleId :

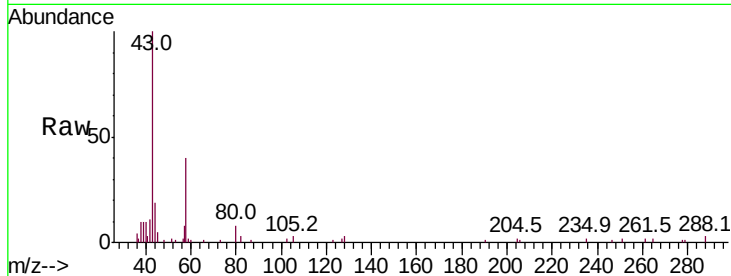
VL0907ABL01

Tot Ion: 43 Resp: 24384

Ion Ratio Lower Upper

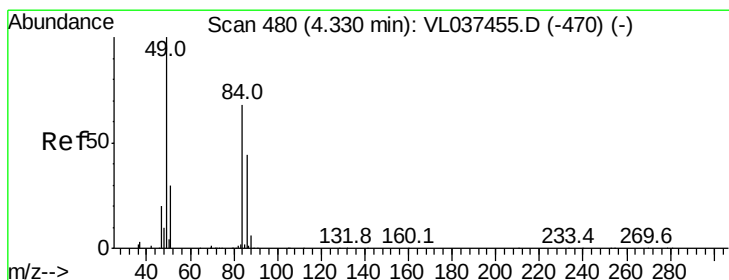
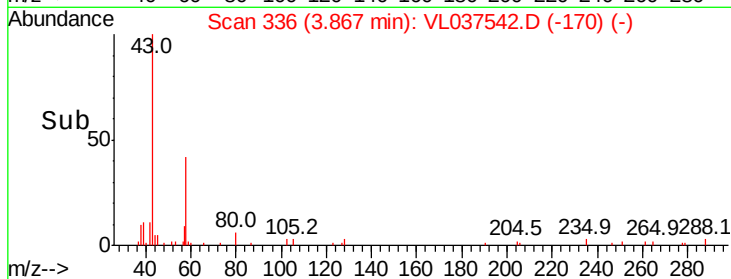
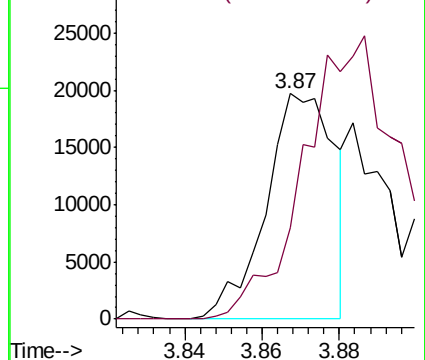
43 100

58 0.0 24.8 37.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.059 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037542.D

Acq: 7 Sep 2021 9:15

Tgt Ion: 84 Resp: 5526

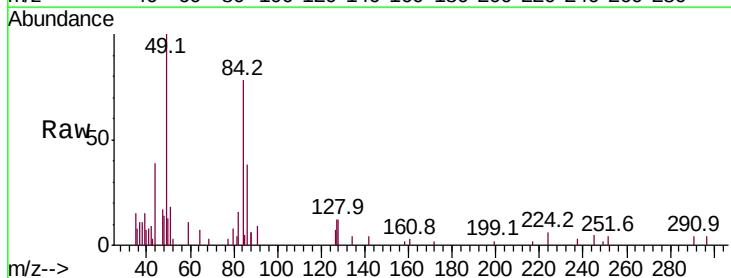
Ion Ratio Lower Upper

84 100

49 55.3 118.2 177.2#

51 0.0 36.6 55.0#

86 25.9 51.8 77.6#

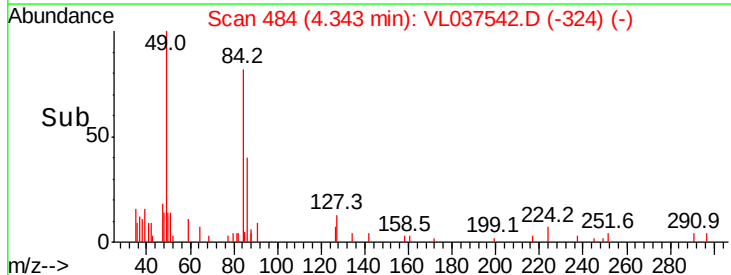
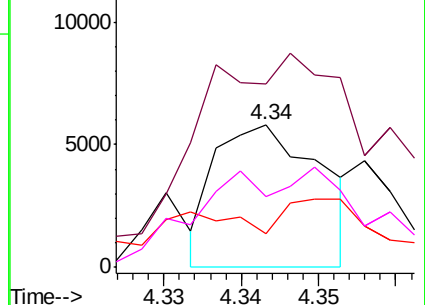


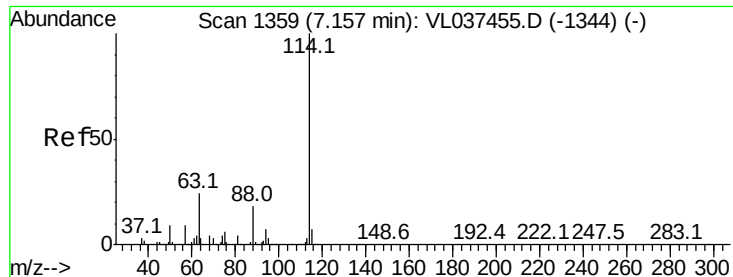
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. 0.02 min

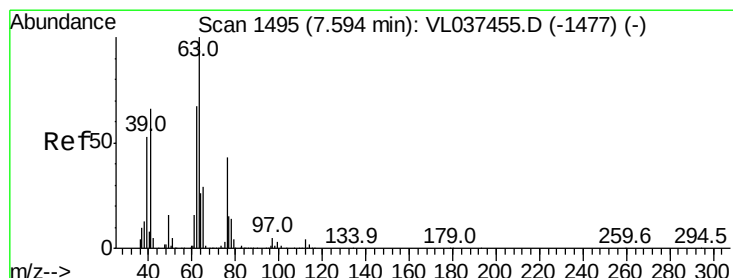
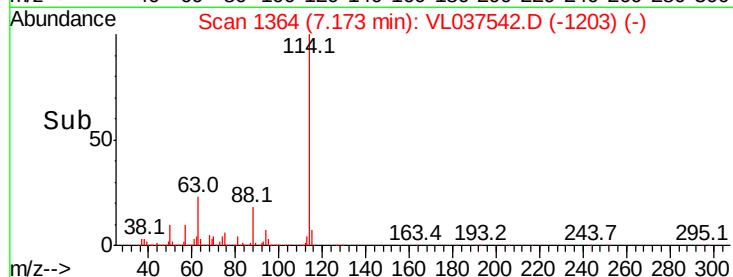
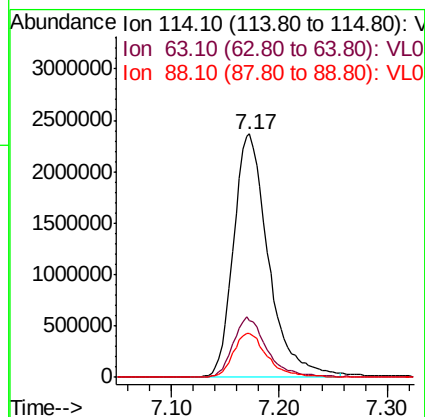
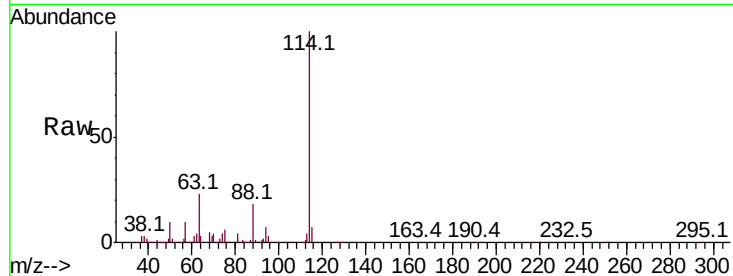
Lab File: VL037542.D

Acq: 7 Sep 2021 9:15

Instrument :
MSVOA_L
ClientSampleId :
VL0907ABL01

Tot Ion:114 Resp: 5347592

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.3	28.9
88	18.1	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.313 ppbv

RT: 7.17 min Scan# 1363

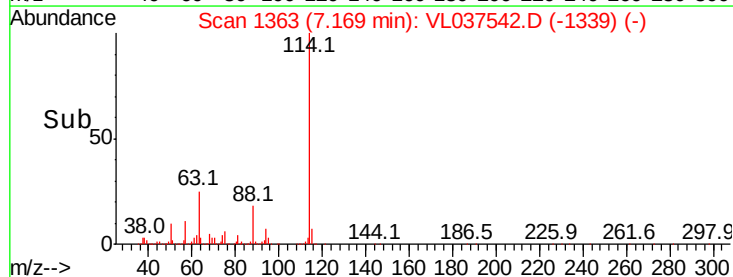
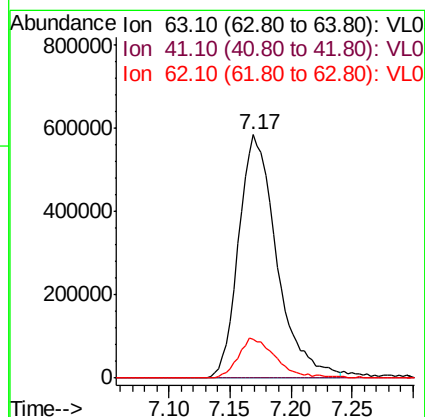
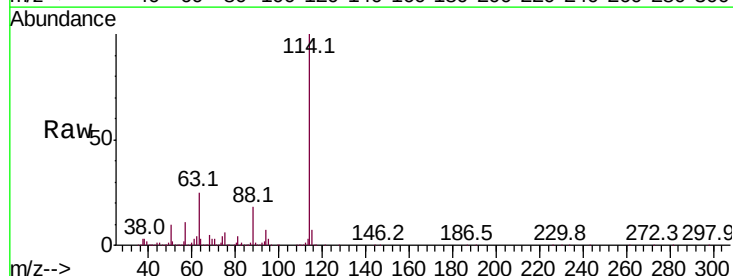
Delta R.T. -0.42 min

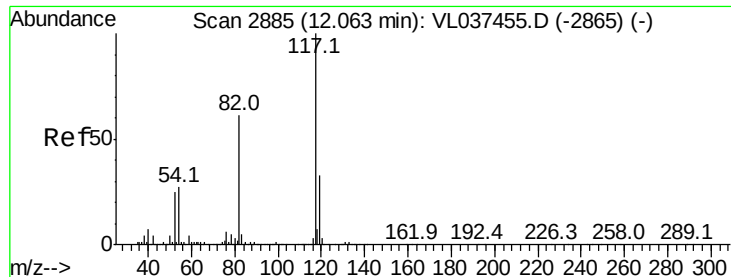
Lab File: VL037542.D

Acq: 7 Sep 2021 9:15

Tgt Ion: 63 Resp: 1263192

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.4	78.6#
62	16.1	53.6	80.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. 0.02 min

Lab File: VL037542.D

Acq: 7 Sep 2021 9:15

Instrument :

MSVOA_L

ClientSampleId :

VL0907ABL01

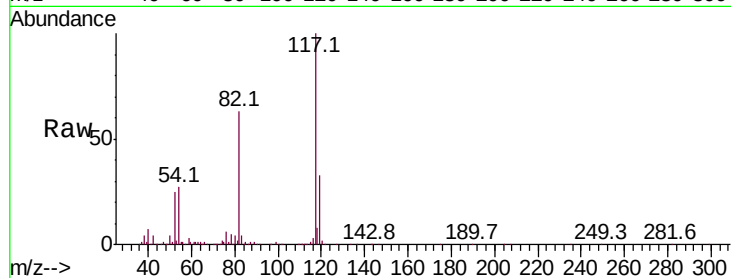
Tot Ion:117 Resp: 4752374

Ion Ratio Lower Upper

117 100

82 65.4 52.9 79.3

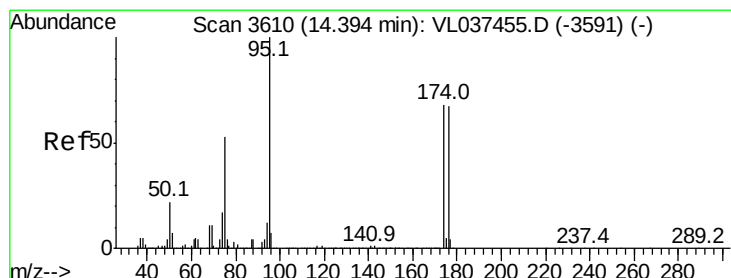
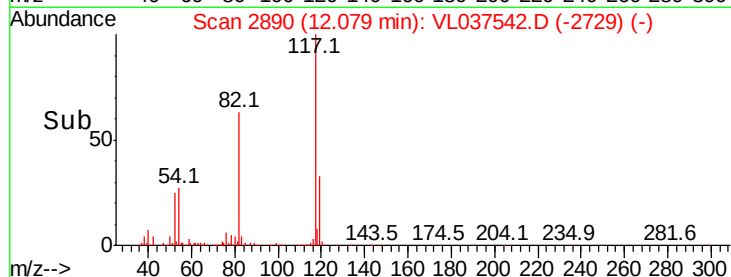
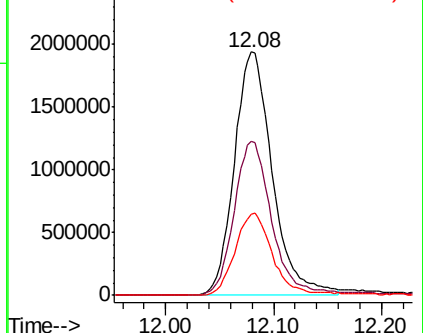
119 34.0 24.8 37.2



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: 10.329 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037542.D

Acq: 7 Sep 2021 9:15

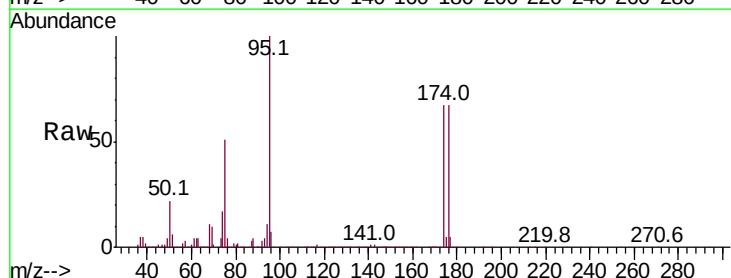
Tgt Ion: 95 Resp: 3487266

Ion Ratio Lower Upper

95 100

174 72.9 59.6 89.4

175 5.4 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

