

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037519.D
 Acq On : 3 Sep 2021 13:50
 Operator : SY/AP
 Sample : CAN 10053
 Misc : 400mL/MSVOA L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10053

Quant Time: Sep 04 04:21:30 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	5.66	49	1454110	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4209887	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	3494434	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2495306	10.05	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

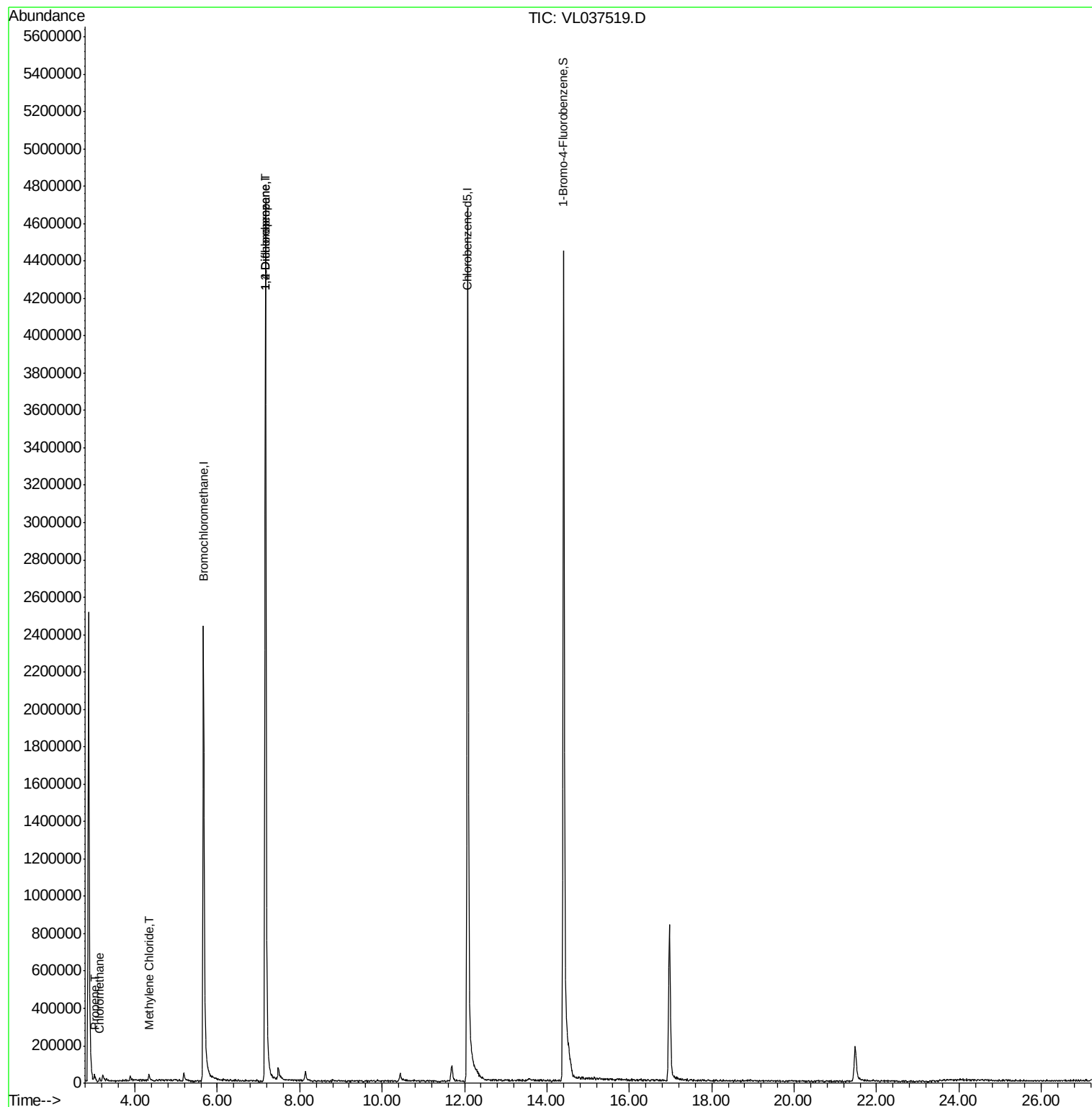
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.14	50	6114	0.061	ppbv #	69
9) Propene	3.01	41	5281	0.053	ppbv #	16
20) Methylene Chloride	4.34	84	11395	0.154	ppbv	90
39) 1,2-Dichloropropane	7.17	63	960319	7.062	ppbv #	27

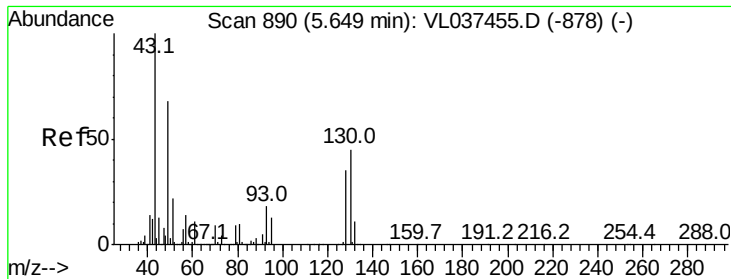
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

CAN 10053

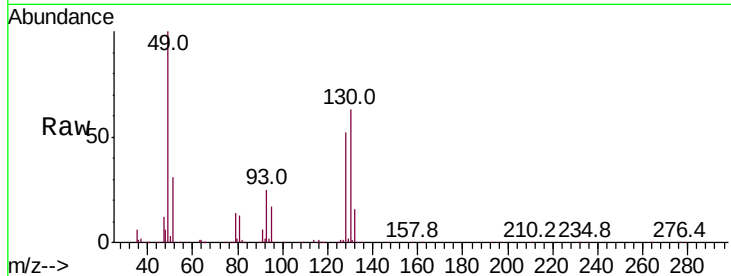
Tot Ion: 49 Resp: 1454110

Ion Ratio Lower Upper

49 100

128 54.3 27.5 82.4

130 69.3 34.0 101.8

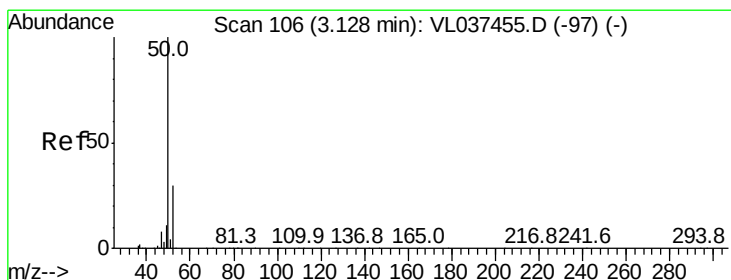
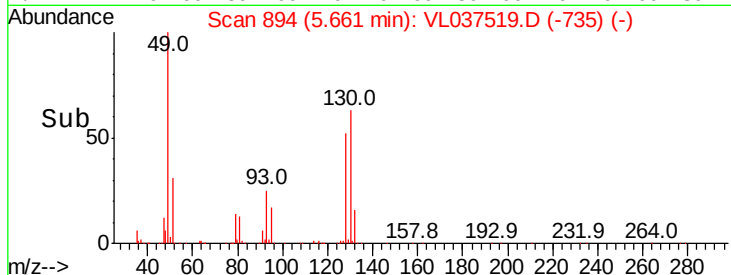
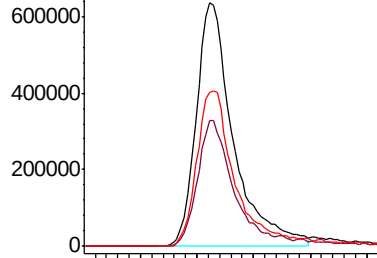


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66



#4

Chloromethane

Concen: 0.061 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL037519.D

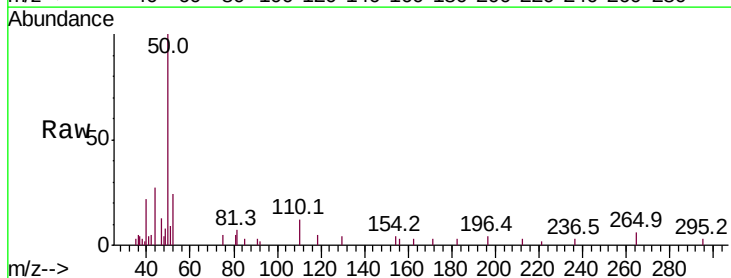
Acq: 3 Sep 2021 13:50

Tgt Ion: 50 Resp: 6114

Ion Ratio Lower Upper

50 100

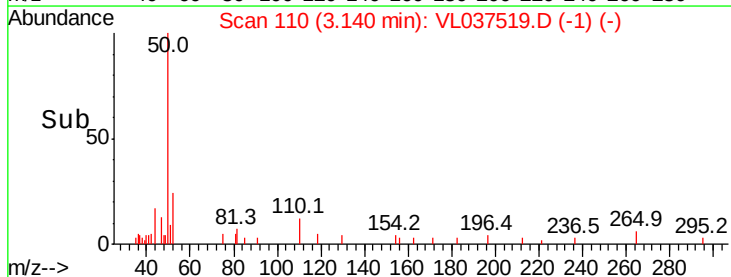
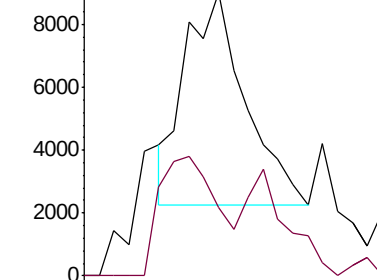
52 13.4 24.0 36.0#

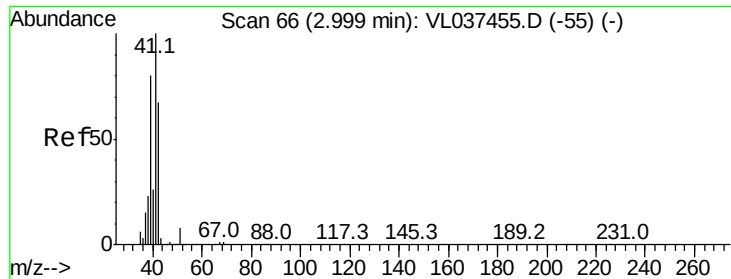


Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14





#9

Propene

Concen: 0.053 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037519.D

Acq: 3 Sep 2021 13:50

Instrument :

MSVOA_L

ClientSampleId :

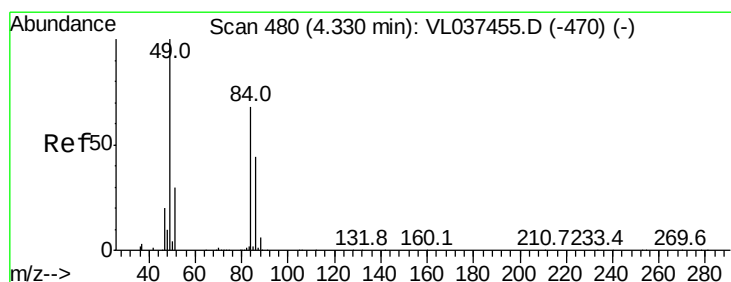
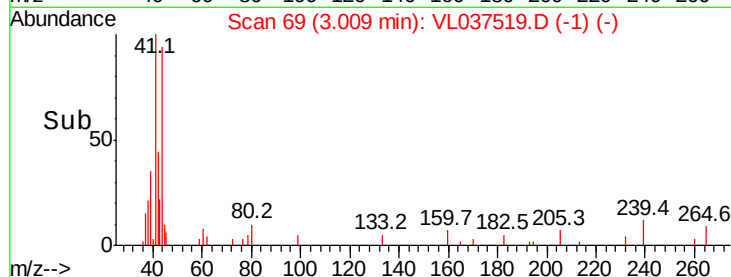
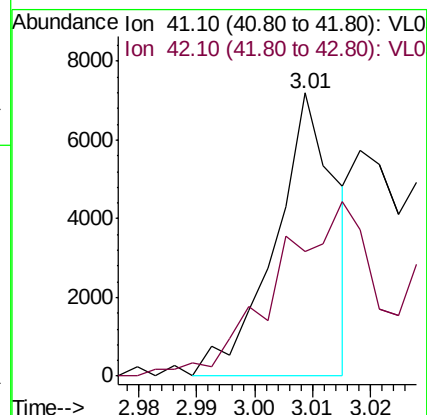
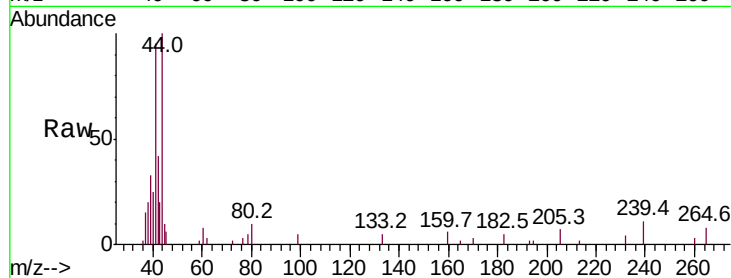
CAN 10053

Tot Ion: 41 Resp: 5281

Ion Ratio Lower Upper

41 100

42 0.0 53.7 80.5#



#20

Methylene Chloride

Concen: 0.154 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037519.D

Acq: 3 Sep 2021 13:50

Tgt Ion: 84 Resp: 11395

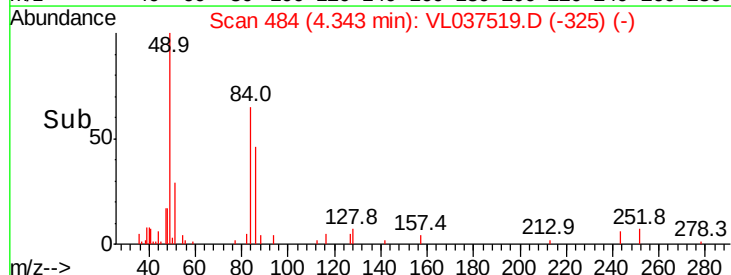
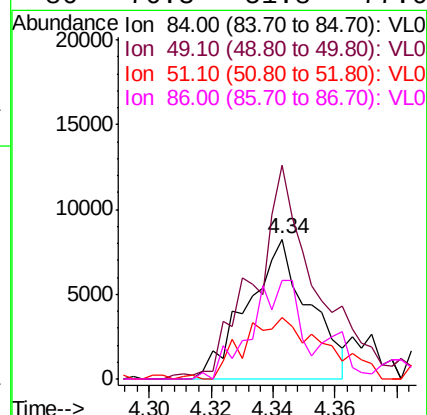
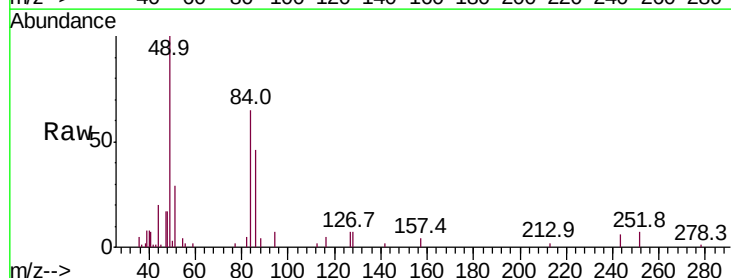
Ion Ratio Lower Upper

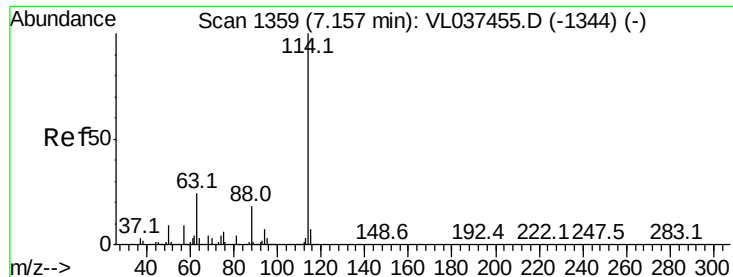
84 100

49 161.5 118.2 177.2

51 44.2 36.6 55.0

86 76.3 51.8 77.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. 0.01 min

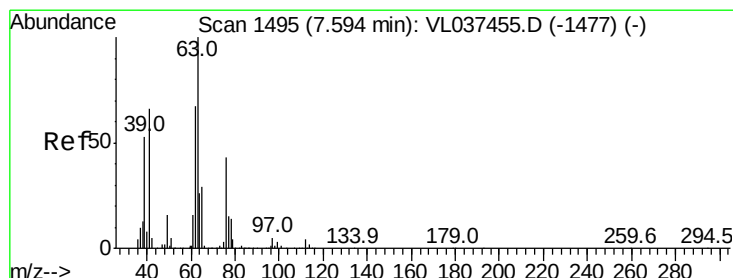
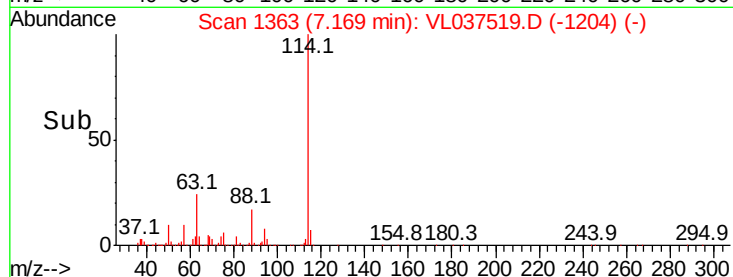
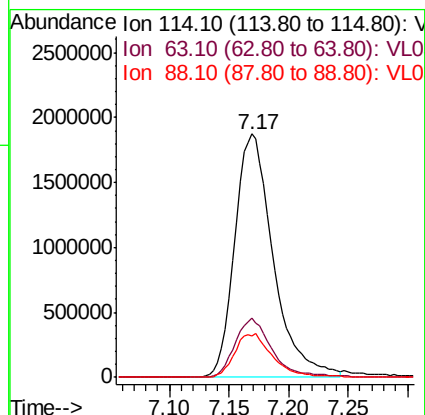
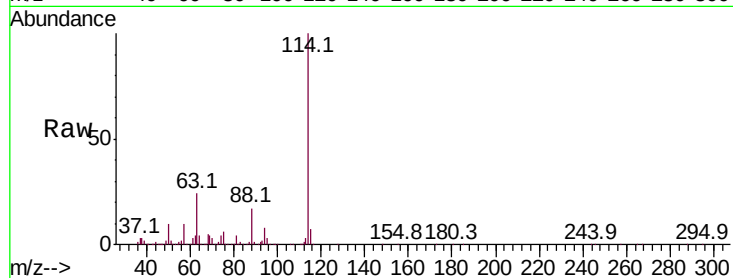
Lab File: VL037519.D

Acq: 3 Sep 2021 13:50

Instrument :
MSVOA_L
ClientSampleId :
CAN 10053

Tot Ion:114 Resp: 4209887

Ion	Ratio	Lower	Upper
114	100		
63	23.6	19.3	28.9
88	18.1	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.062 ppbv

RT: 7.17 min Scan# 1363

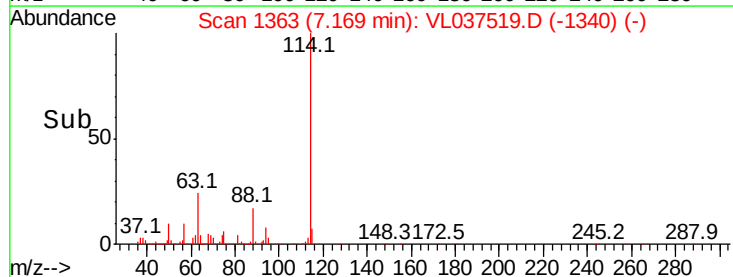
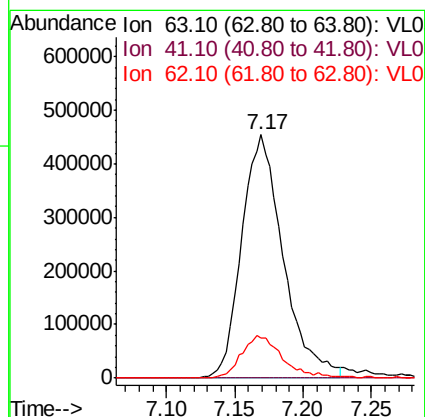
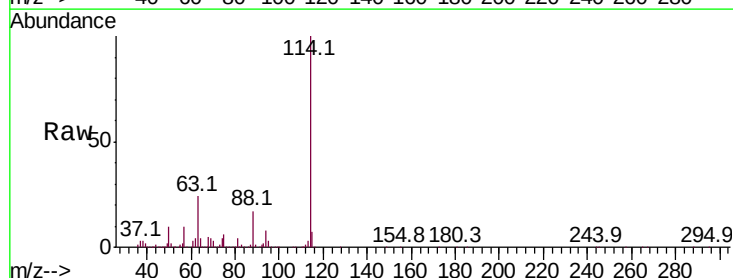
Delta R.T. -0.42 min

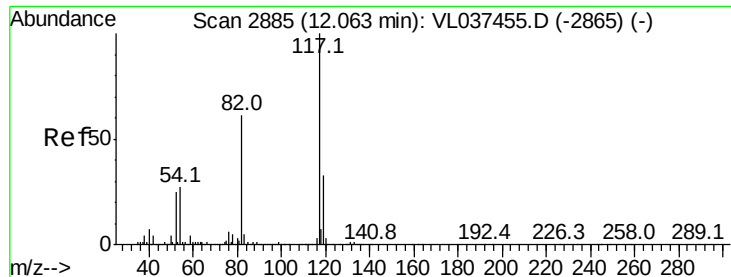
Lab File: VL037519.D

Acq: 3 Sep 2021 13:50

Tgt Ion: 63 Resp: 960319

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.4	78.6#
62	16.6	53.6	80.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. 0.01 min

Lab File: VL037519.D

Acq: 3 Sep 2021 13:50

Instrument :

MSVOA_L

ClientSampleId :

CAN 10053

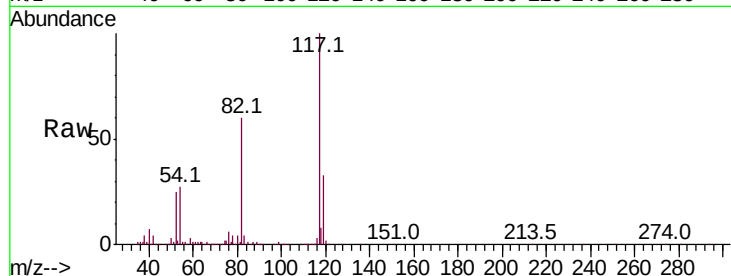
Tot Ion:117 Resp: 3494434

Ion Ratio Lower Upper

117 100

82 67.3 52.9 79.3

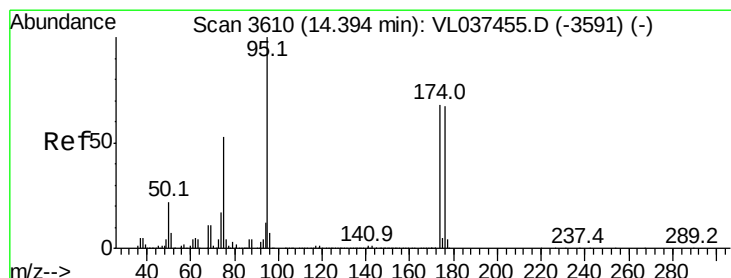
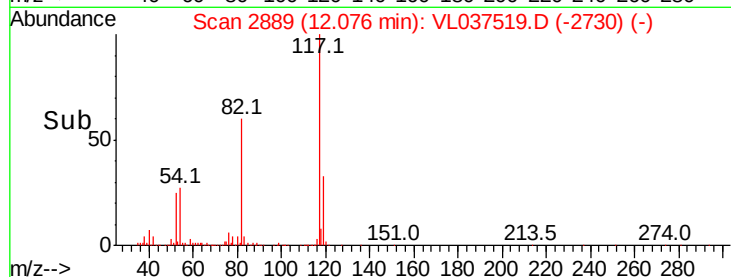
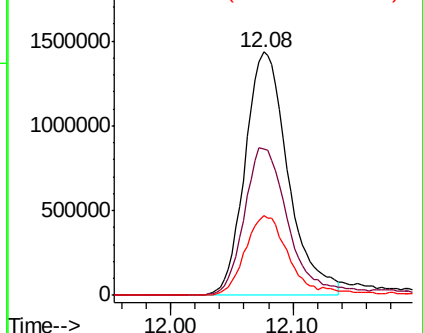
119 35.7 24.8 37.2



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: 10.051 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037519.D

Acq: 3 Sep 2021 13:50

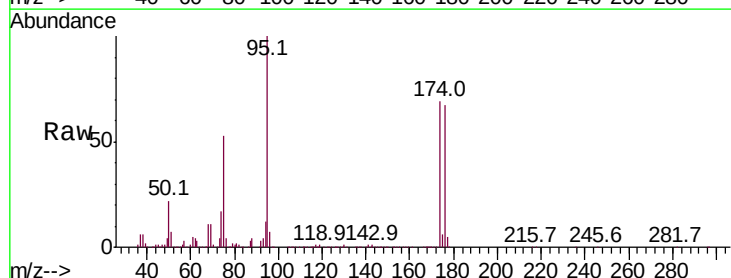
Tgt Ion: 95 Resp: 2495306

Ion Ratio Lower Upper

95 100

174 75.6 59.6 89.4

175 5.6 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

