

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037518.D
 Acq On : 3 Sep 2021 13:13
 Operator : SY/AP
 Sample : CAN 10053
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10053

Quant Time: Sep 04 04:21:24 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	1380165	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4100098	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3429423	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2427573	9.96	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

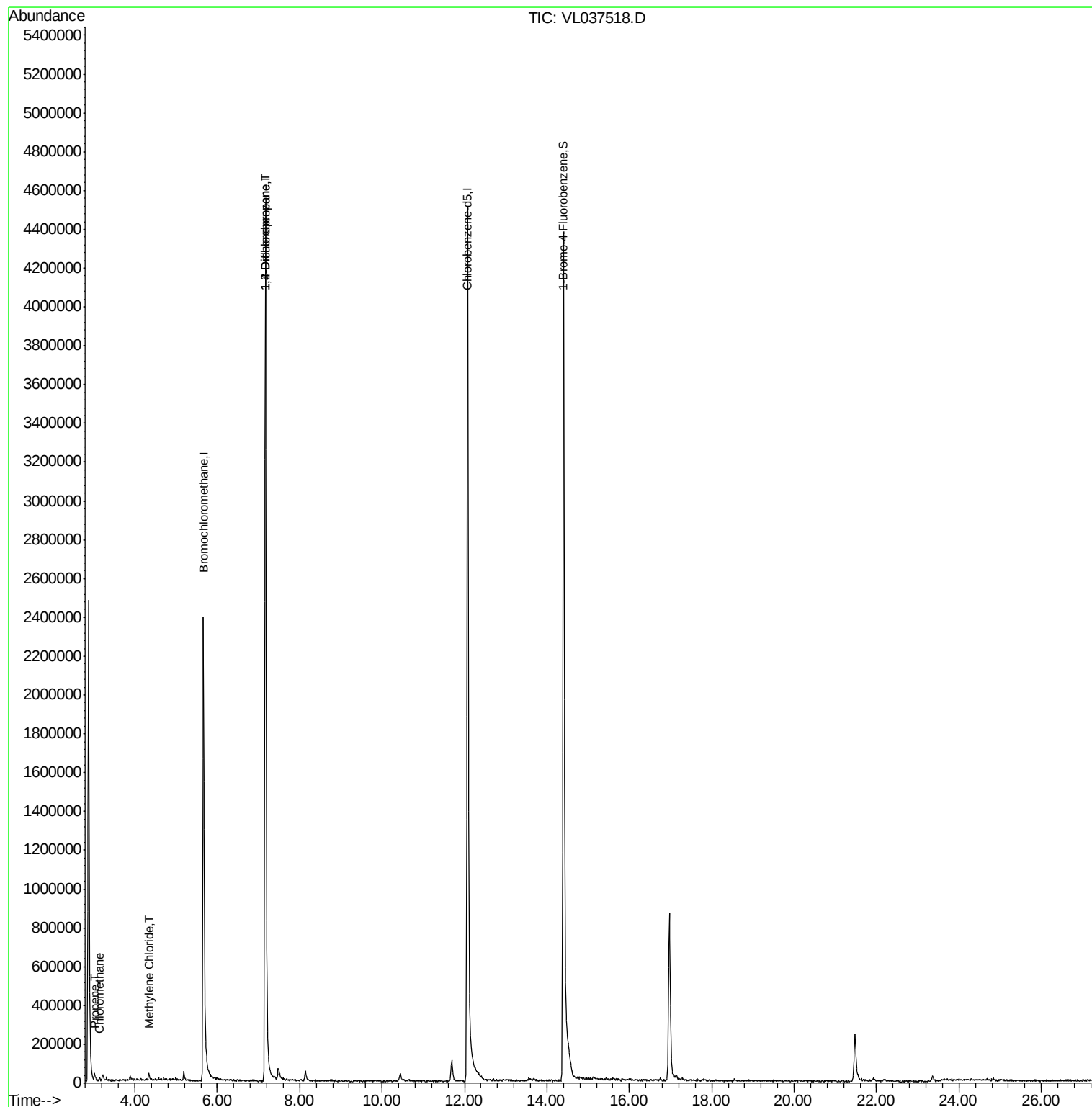
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.14	50	8725	0.092	ppbv	99
9) Propene	3.02	41	4428	0.047	ppbv #	1
20) Methylene Chloride	4.34	84	7974	0.113	ppbv #	86
39) 1,2-Dichloropropane	7.17	63	958174	7.235	ppbv #	27

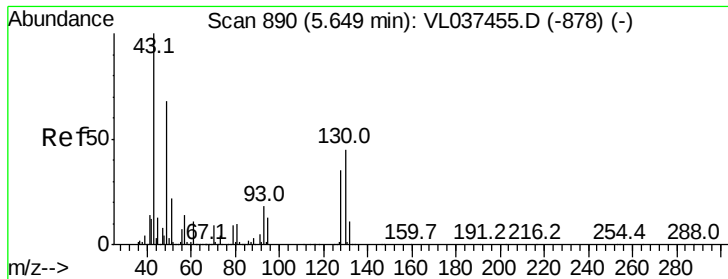
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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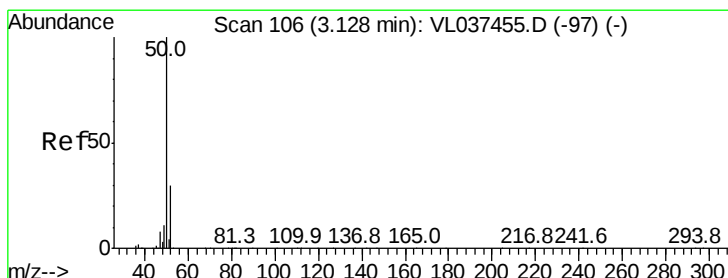
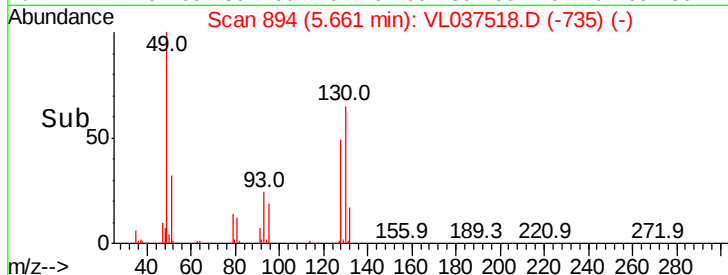
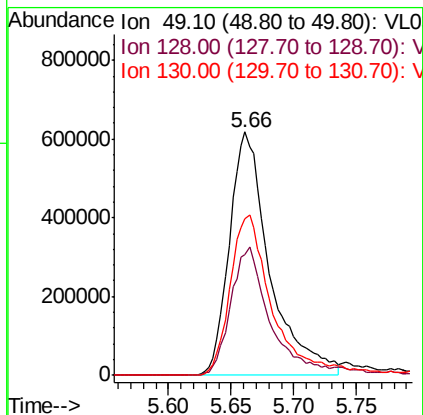
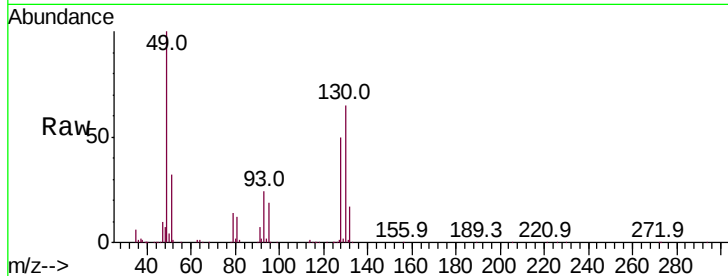


#1

Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VL037518.D
 Acq: 3 Sep 2021 13:13

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10053

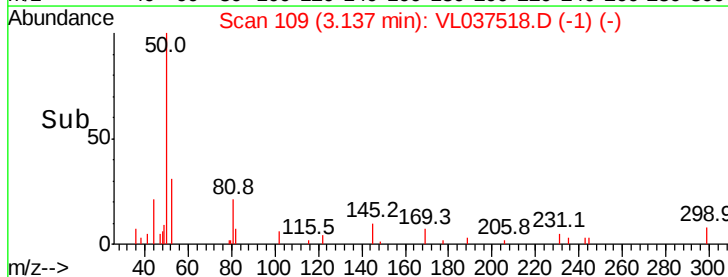
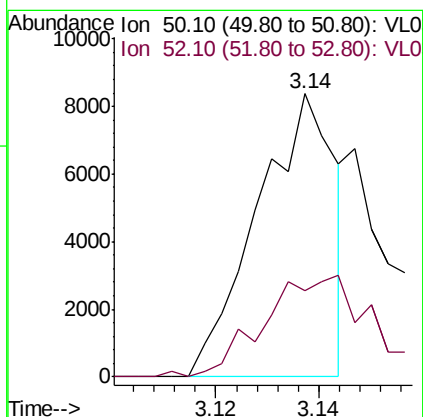
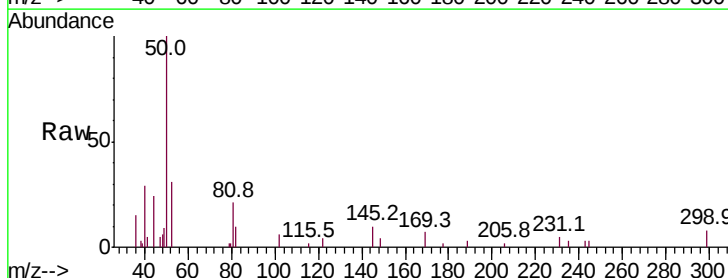
Tot Ion: 49 Resp: 1380165
 Ion Ratio Lower Upper
 49 100
 128 52.9 27.5 82.4
 130 70.7 34.0 101.8

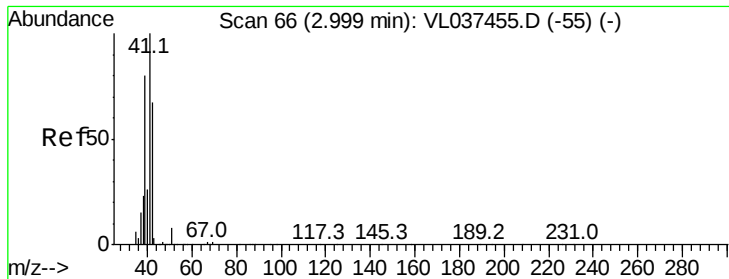


#4

Chloromethane
 Concen: 0.092 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. 0.01 min
 Lab File: VL037518.D
 Acq: 3 Sep 2021 13:13

Tgt Ion: 50 Resp: 8725
 Ion Ratio Lower Upper
 50 100
 52 30.6 24.0 36.0





#9

Propene

Concen: 0.047 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037518.D

Acq: 3 Sep 2021 13:13

Instrument :

MSVOA_L

ClientSampleId :

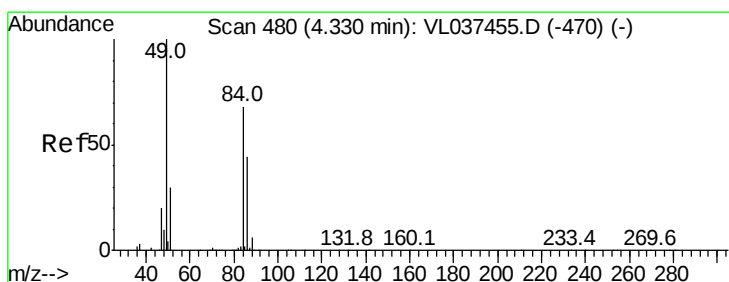
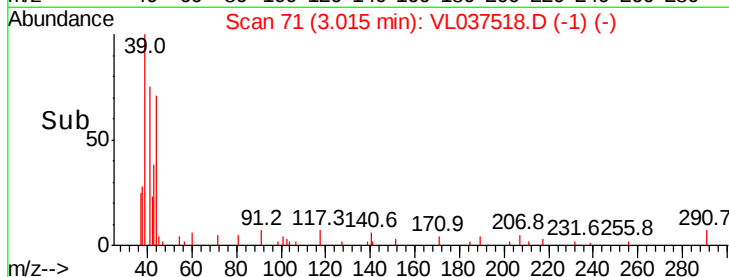
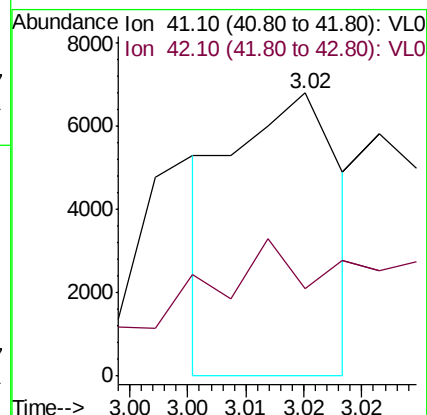
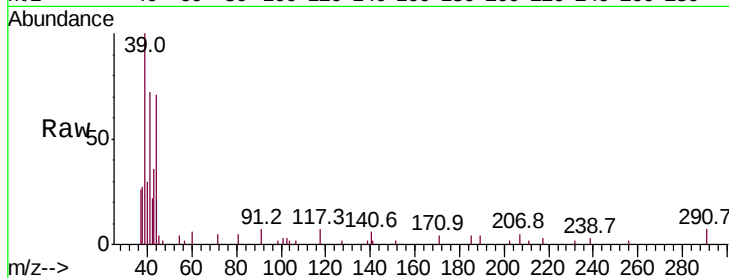
CAN 10053

Tot Ion: 41 Resp: 4428

Ion Ratio Lower Upper

41 100

42 157.0 53.7 80.5#



#20

Methylene Chloride

Concen: 0.113 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037518.D

Acq: 3 Sep 2021 13:13

Tgt Ion: 84 Resp: 7974

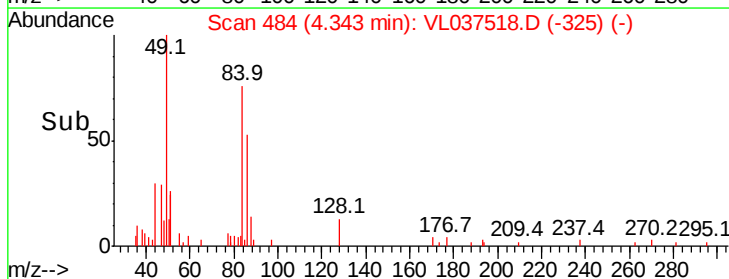
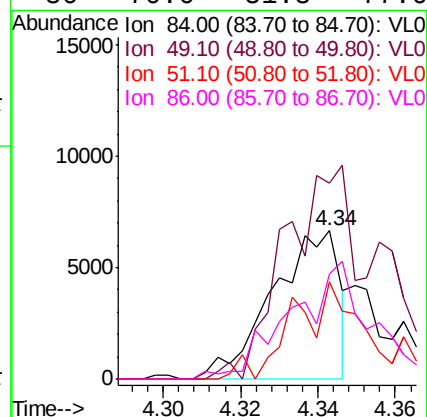
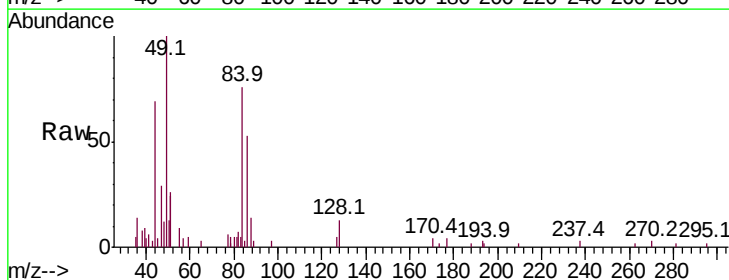
Ion Ratio Lower Upper

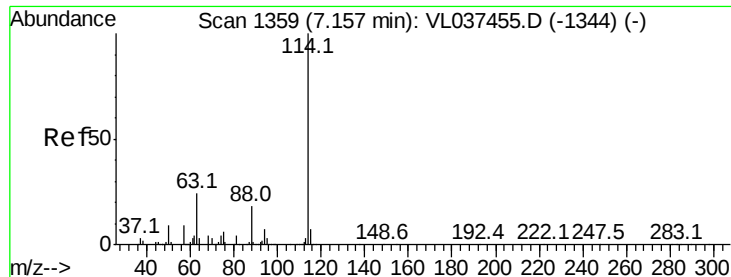
84 100

49 132.3 118.2 177.2

51 65.8 36.6 55.0#

86 70.6 51.8 77.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.01 min

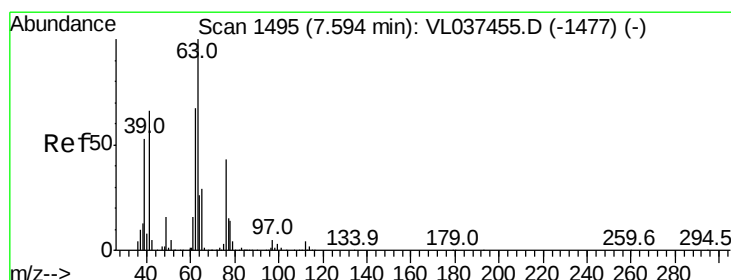
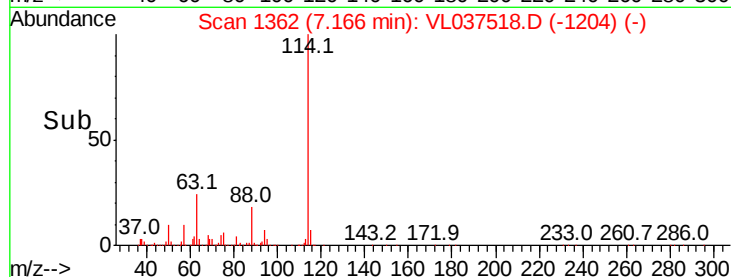
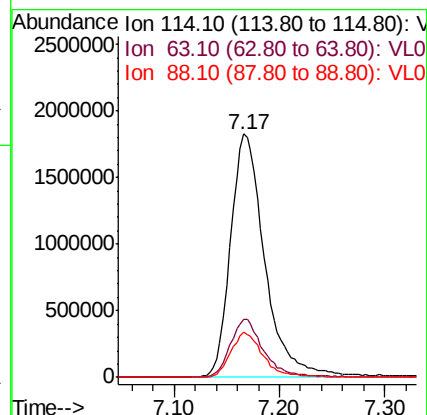
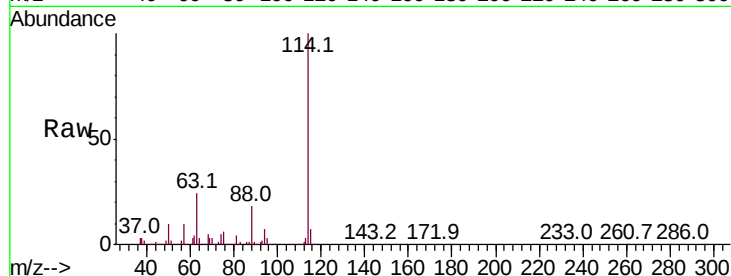
Lab File: VL037518.D

Acq: 3 Sep 2021 13:13

Instrument :
MSVOA_L
ClientSampleId :
CAN 10053

Tot Ion:114 Resp: 4100098

Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.3	28.9
88	17.8	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.235 ppbv

RT: 7.17 min Scan# 1362

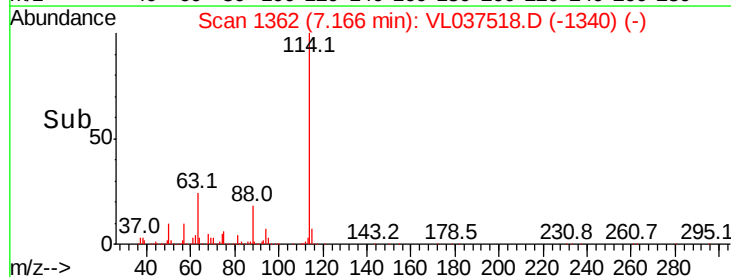
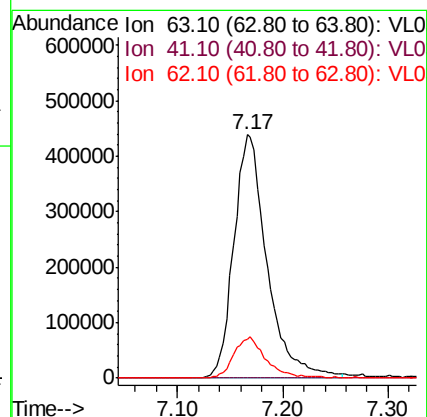
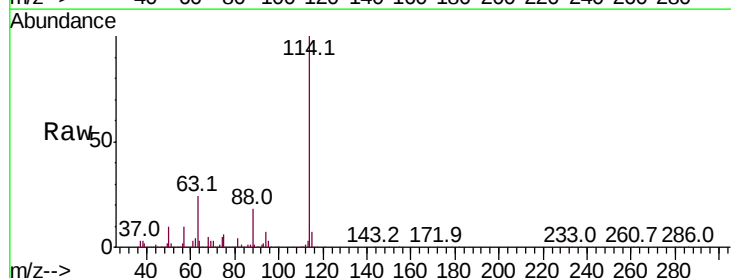
Delta R.T. -0.43 min

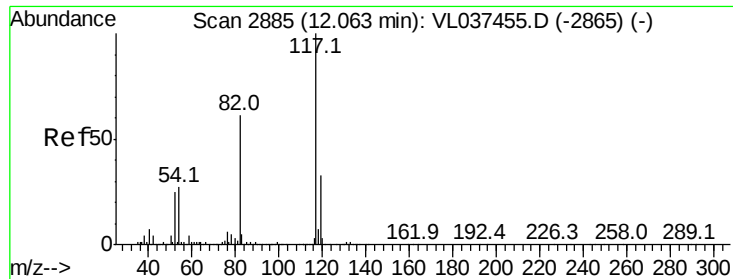
Lab File: VL037518.D

Acq: 3 Sep 2021 13:13

Tgt Ion: 63 Resp: 958174

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

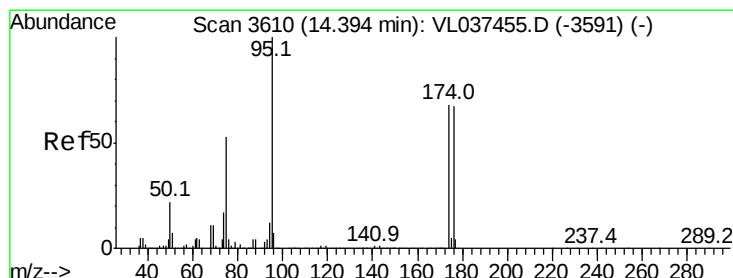
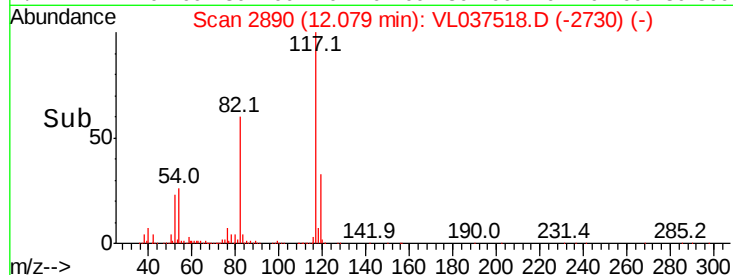
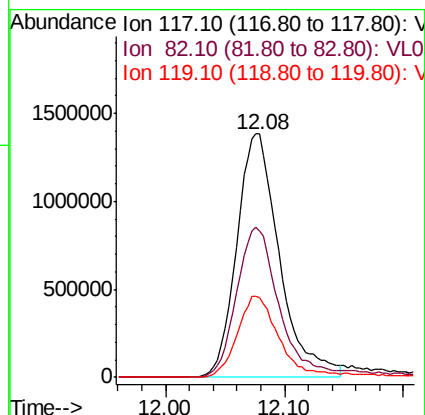
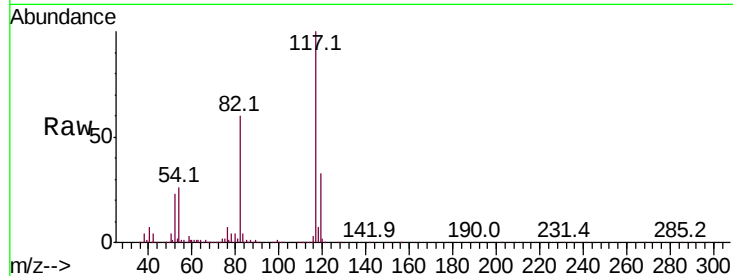




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.02 min
Lab File: VL037518.D
Acq: 3 Sep 2021 13:13

Instrument :
MSVOA_L
ClientSampleId :
CAN 10053

Tot Ion:117 Resp: 3429423
Ion Ratio Lower Upper
117 100
82 65.0 52.9 79.3
119 34.7 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.964 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.01 min
Lab File: VL037518.D
Acq: 3 Sep 2021 13:13

Tgt Ion: 95 Resp: 2427573
Ion Ratio Lower Upper
95 100
174 75.9 59.6 89.4
175 5.7 4.6 7.0

