

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038054.D
 Acq On : 18 Nov 2021 15:08
 Operator : SY/AP
 Sample : VL1118ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1118ABL01

Quant Time: Nov 19 07:29:24 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	937488	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2636149	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2181428	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1630201	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

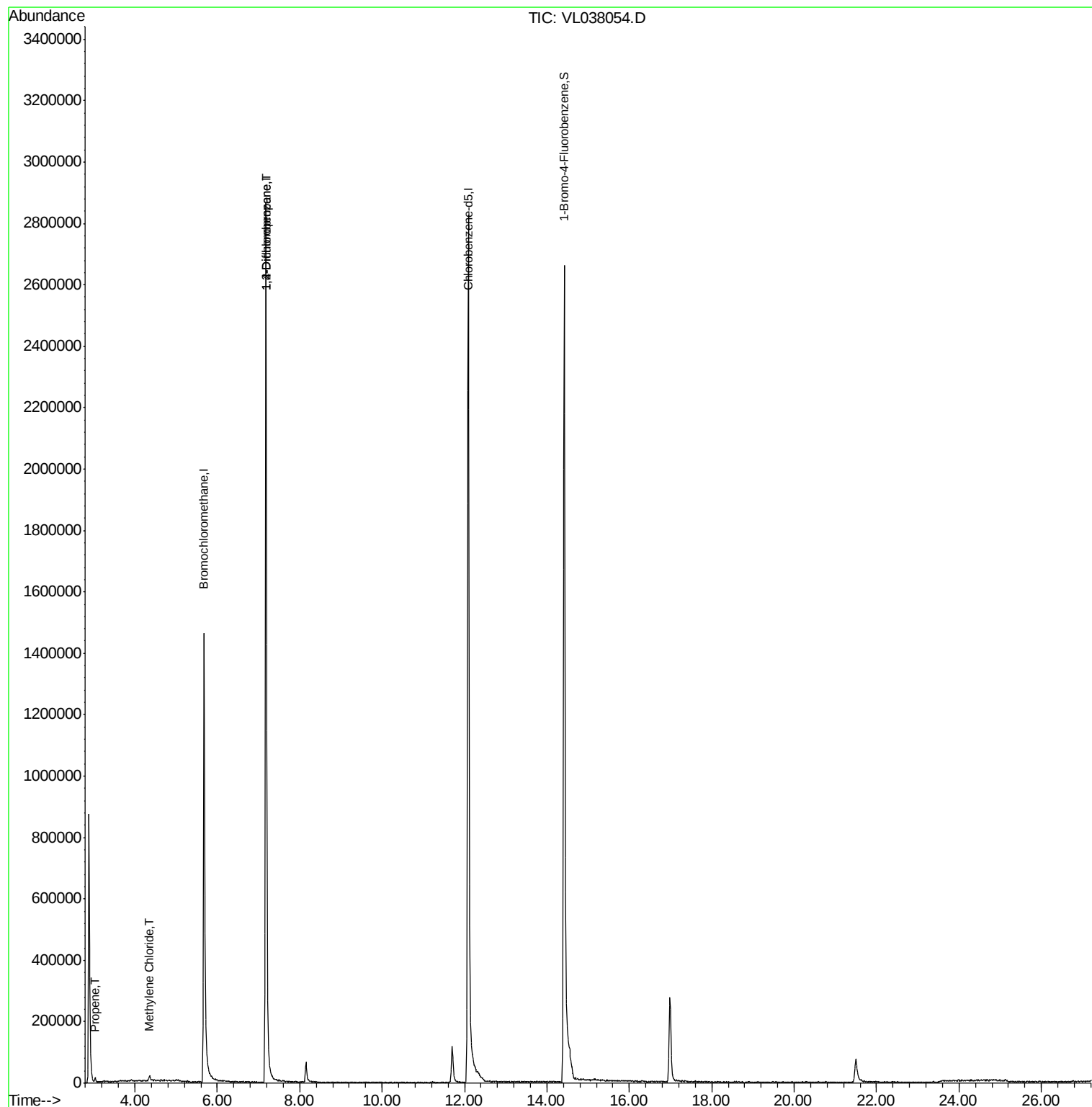
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	4588	0.063	ppbv	96
20) Methylene Chloride	4.36	84	5278	0.116	ppbv	94
39) 1,2-Dichloropropane	7.18	63	635662	6.302	ppbv #	25

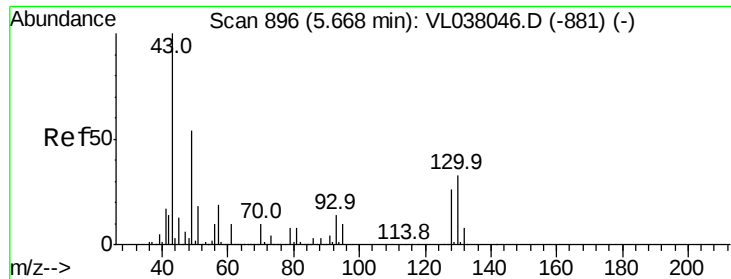
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 18 Nov 2021 15:08

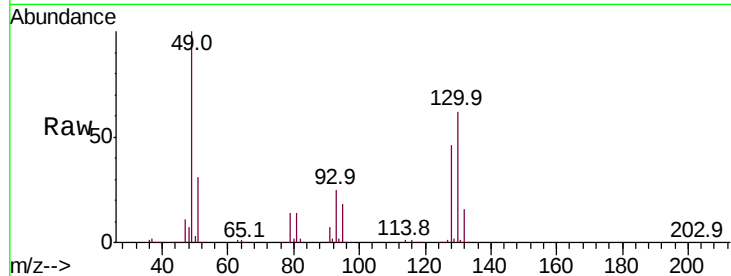
Tot Ion: 49 Resp: 937488

Ion Ratio Lower Upper

49 100

128 49.5 26.5 79.5

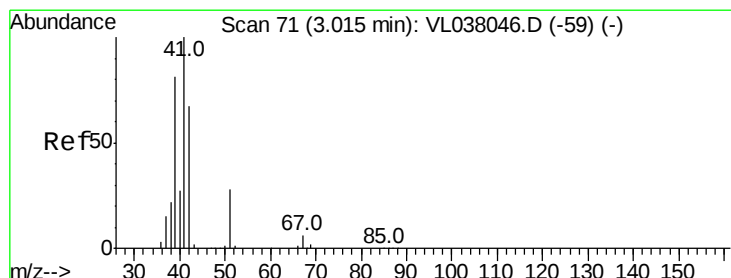
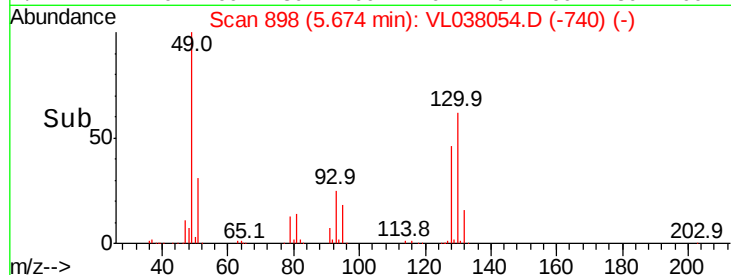
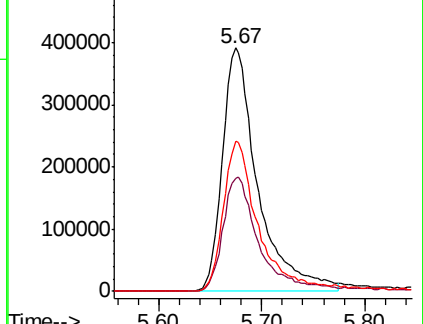
130 63.7 32.5 97.4



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: 0.063 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL038054.D

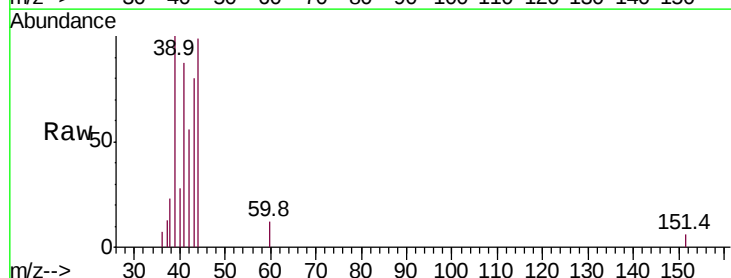
Acq: 18 Nov 2021 15:08

Tgt Ion: 41 Resp: 4588

Ion Ratio Lower Upper

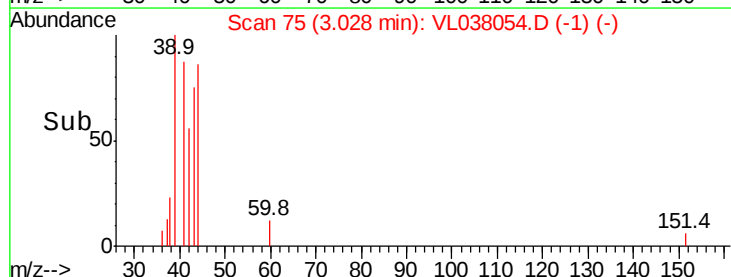
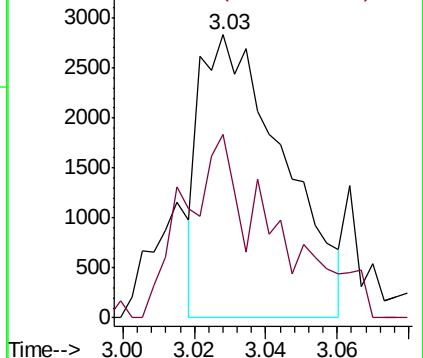
41 100

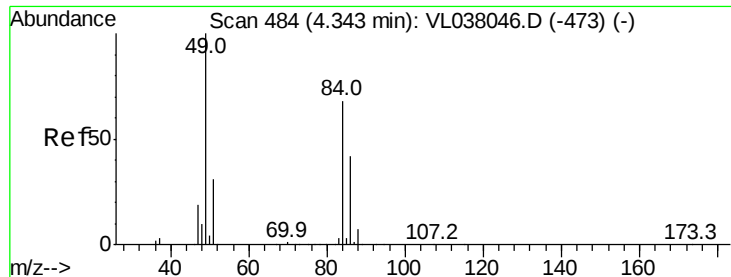
42 70.4 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#20

Methylene Chloride

Concen: 0.116 ppbv

RT: 4.36 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VL1118ABL01

Acq: 18 Nov 2021 15:08

Tot Ion: 84 Resp: 5278

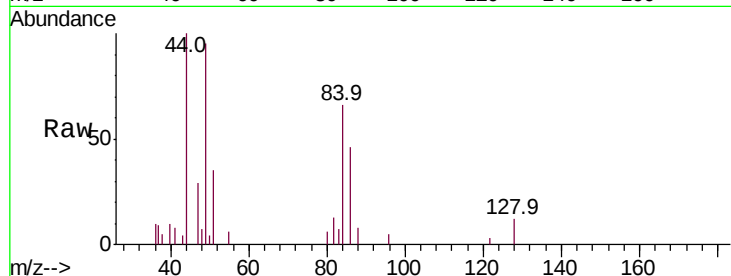
Ion Ratio Lower Upper

84 100

49 144.4 118.2 177.2

51 53.4 36.8 55.2

86 69.7 49.0 73.6

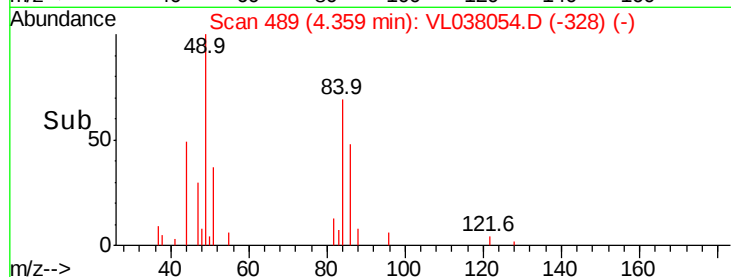
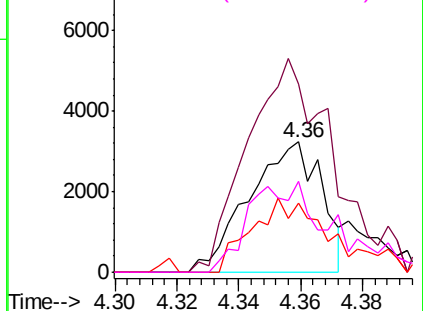


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.18 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VL038054.D

Acq: 18 Nov 2021 15:08

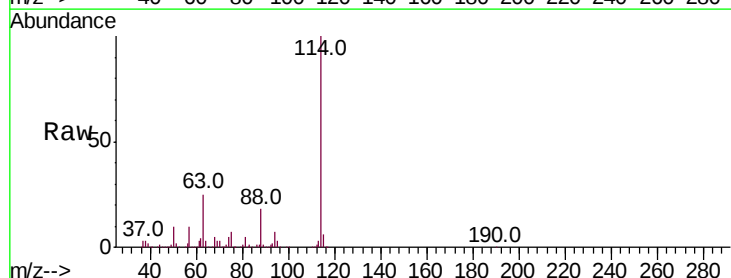
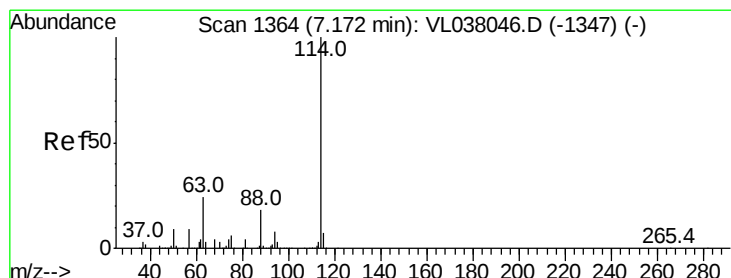
Tgt Ion:114 Resp: 2636149

Ion Ratio Lower Upper

114 100

63 25.0 19.7 29.5

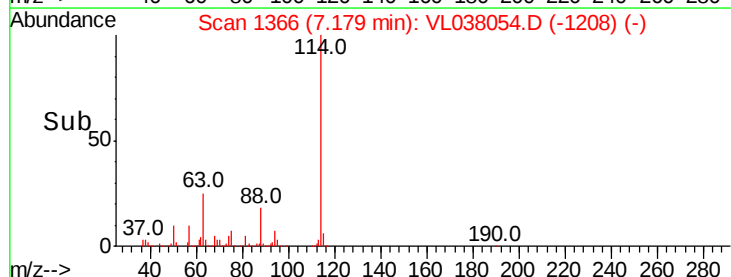
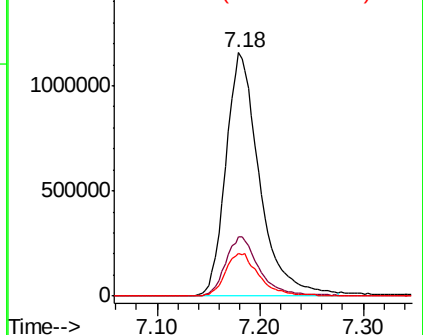
88 18.0 14.4 21.6

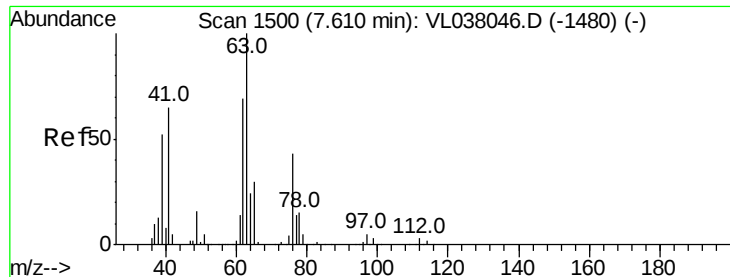


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

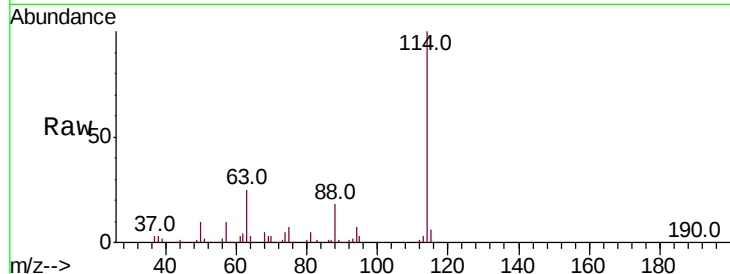
Ion 88.10 (87.80 to 88.80): VL0



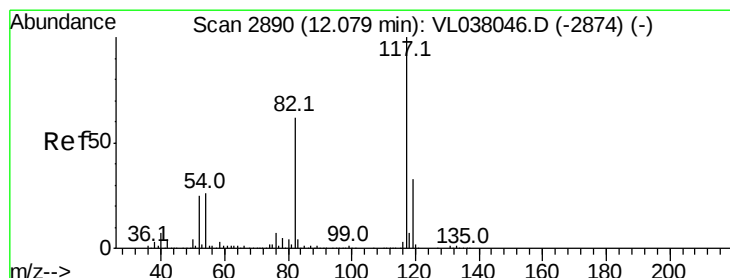
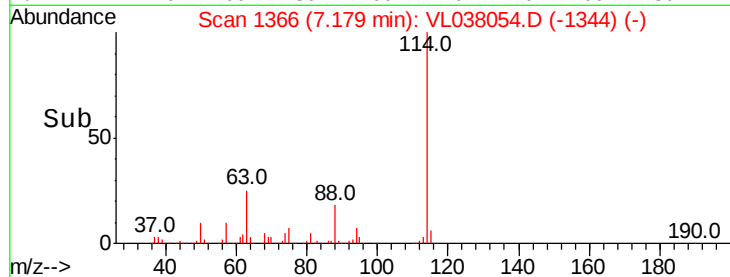
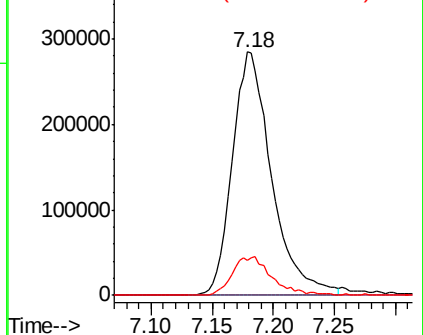


#39
 1,2-Dichloropropane
 Concen: 6.302 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL1118ABL01
 Acq: 18 Nov 2021 15:08

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	52.3	78.5#
62	14.5	55.1	82.7#

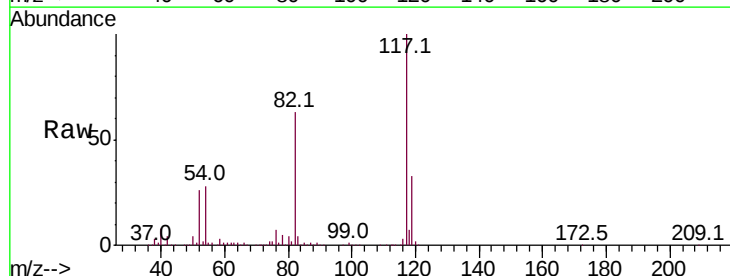


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

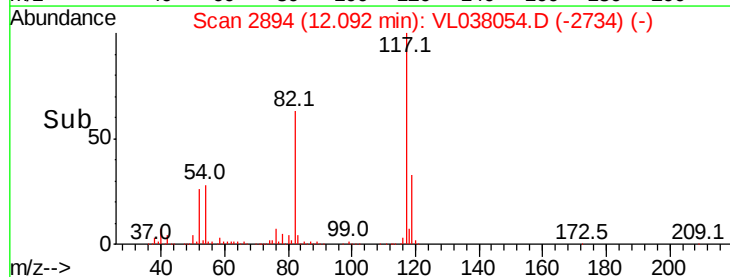
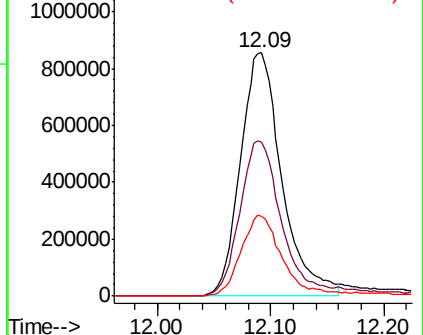


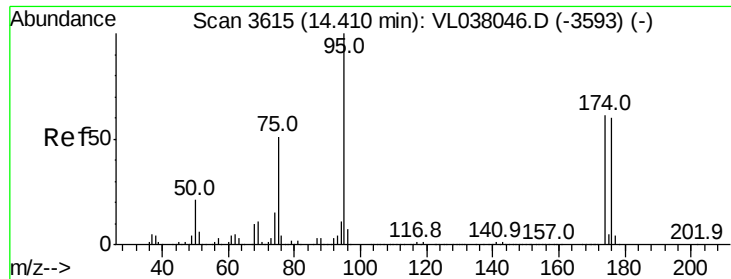
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2894
 Delta R.T.: 0.01 min
 Lab File: VL038054.D
 Acq: 18 Nov 2021 15:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.6	52.8	79.2
119	35.1	26.8	40.2



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: 10.360 ppbv

RT: 14.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Nov 2021 15:08

Tot Ion: 95 Resp: 1630201

Ion Ratio Lower Upper

95 100

174 66.4 53.1 79.7

175 4.8 4.0 6.0

