

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111821\
 Data File : VL038058.D
 Acq On : 18 Nov 2021 17:55
 Operator : SY/AP
 Sample : OC111021 CAN 10060
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC111021 CAN 10060

Quant Time: Nov 19 07:30:22 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	890538	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2548535	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2113168	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1487935	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

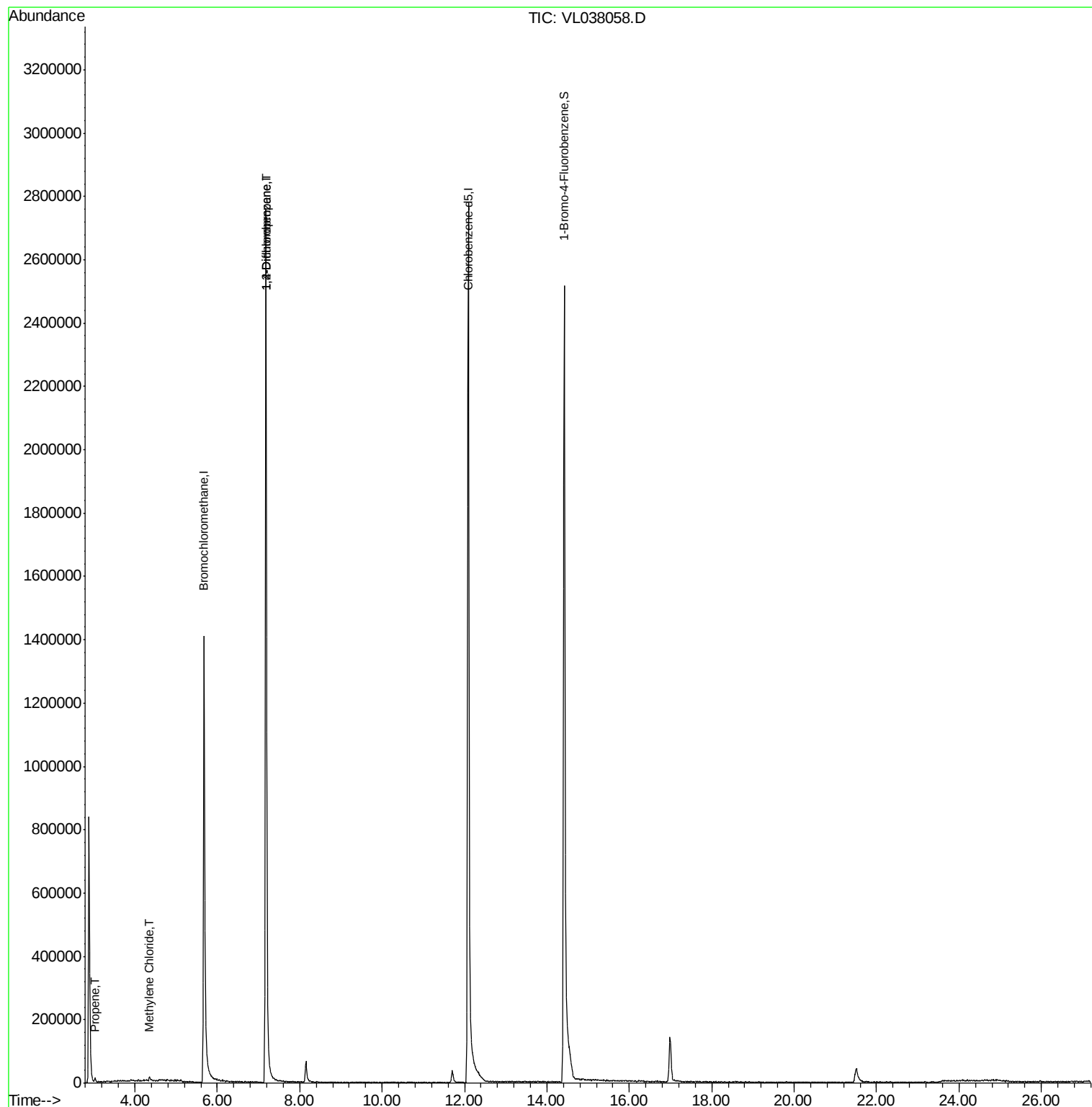
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	1943	0.028	ppbv #	16
20) Methylene Chloride	4.35	84	2414	0.056	ppbv #	69
39) 1,2-Dichloropropane	7.18	63	616244	6.319	ppbv #	26

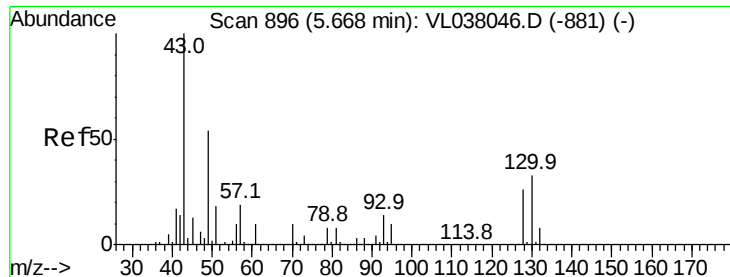
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 18 Nov 2021 17:55 OC111021 CAN 10060

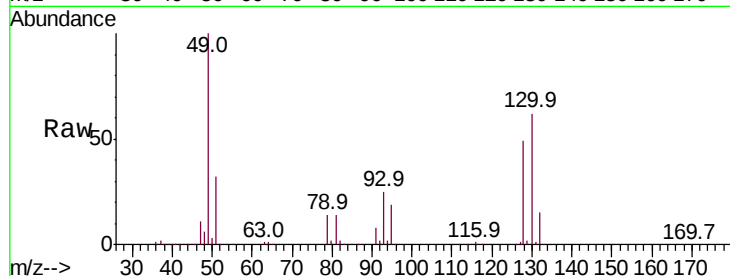
Tot Ion: 49 Resp: 890538

Ion Ratio Lower Upper

49 100

128 51.2 26.5 79.5

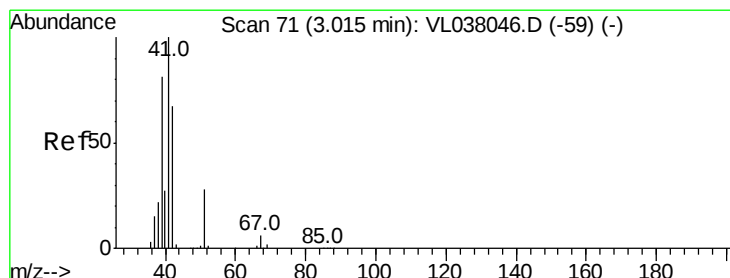
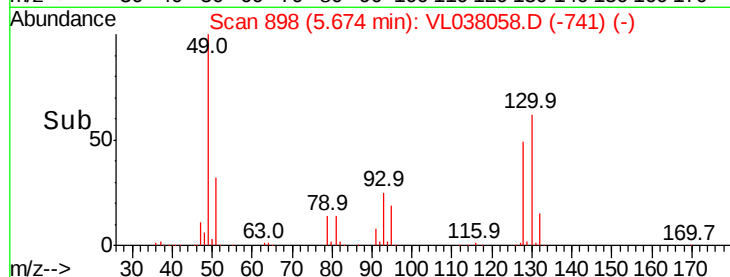
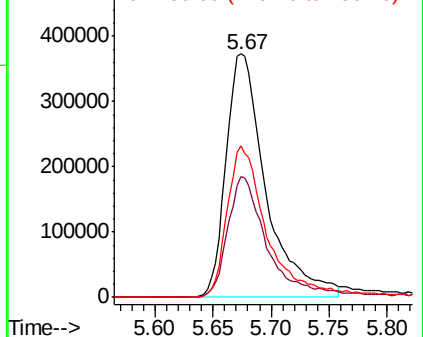
130 64.1 32.5 97.4



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: 0.028 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL038058.D

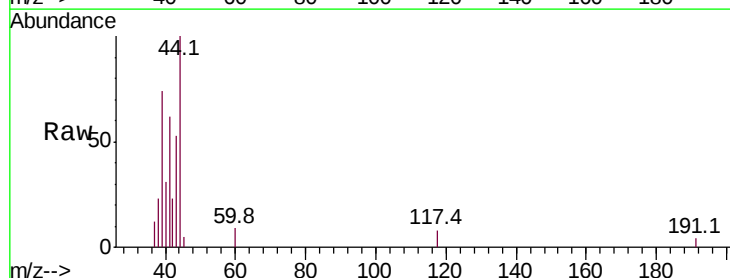
Acq: 18 Nov 2021 17:55

Tgt Ion: 41 Resp: 1943

Ion Ratio Lower Upper

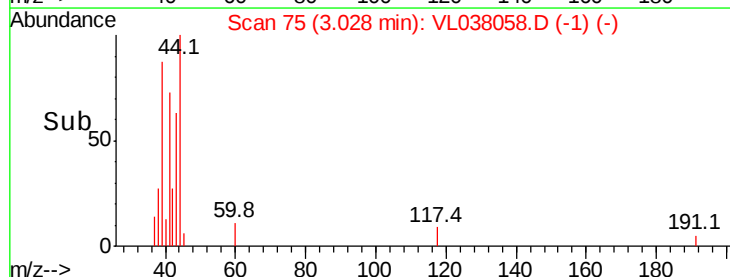
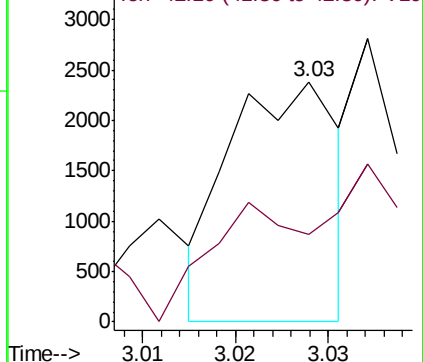
41 100

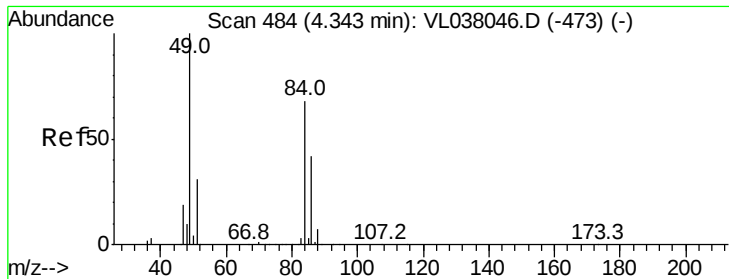
42 0.0 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#20

Methylene Chloride

Concen: 0.056 ppbv

RT: 4.35 Instrument: MSVOA_1

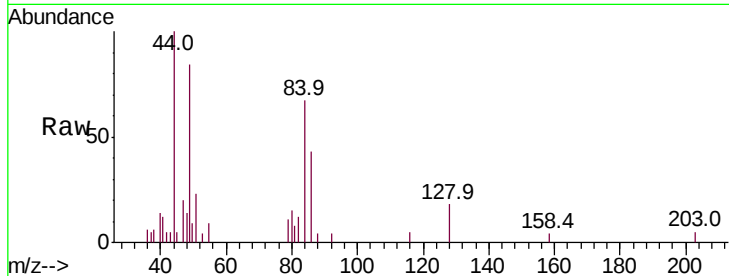
Delta R.T.

Lab File: ClientSampleId : OC111021 CAN 10060

Acq: 18 Nov 2021 17:55

Tot Ion: 84 Resp: 2414

Ion	Ratio	Lower	Upper
84	100		
49	108.2	118.2	177.2#
51	0.1	36.8	55.2#
86	60.5	49.0	73.6

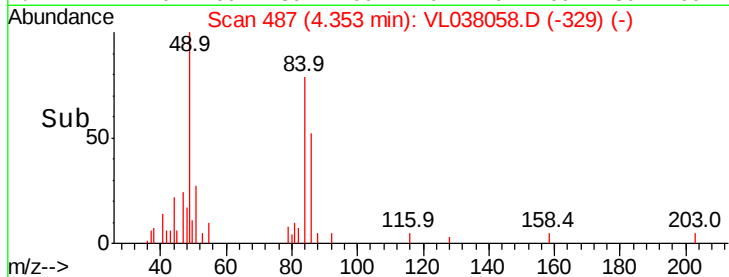
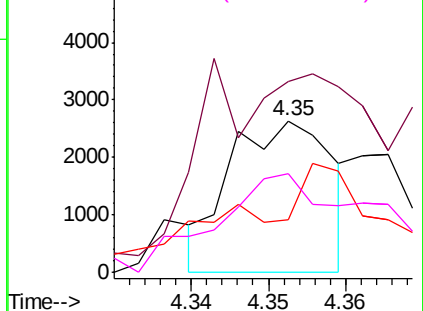


Abundance Ion 84.00 (83.70 to 84.70): VL0

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# 1367

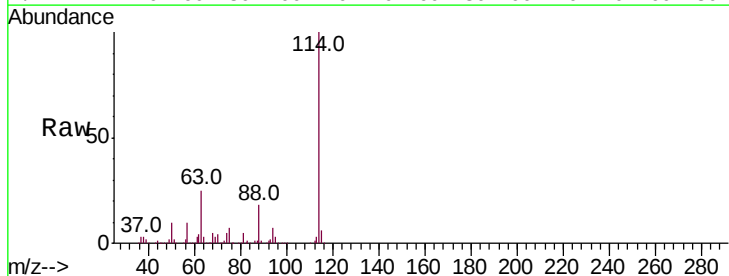
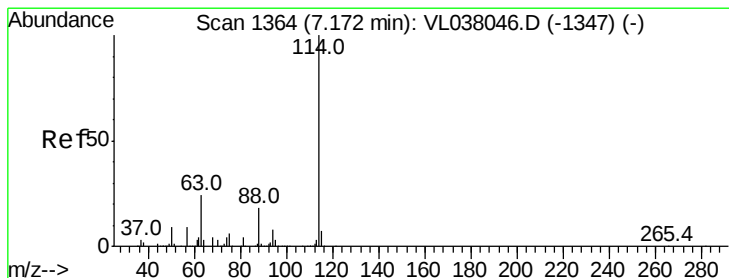
Delta R.T. 0.01 min

Lab File: VL038058.D

Acq: 18 Nov 2021 17:55

Tgt Ion:114 Resp: 2548535

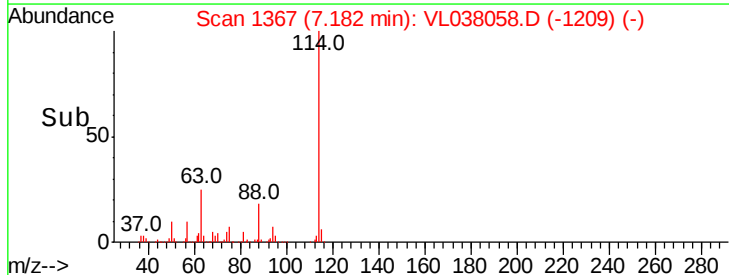
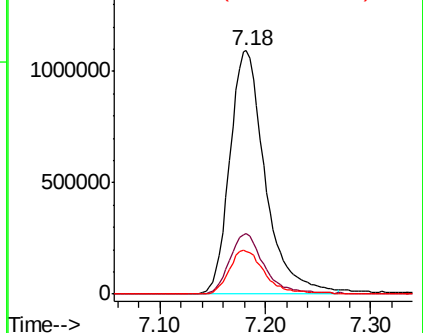
Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.7	29.5
88	18.5	14.4	21.6

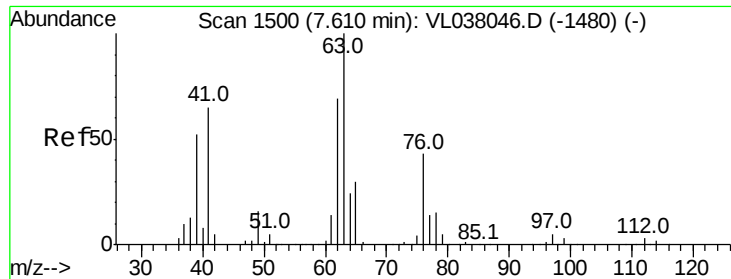


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

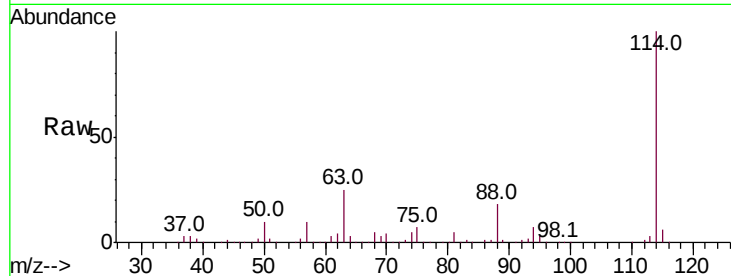
Ion 88.10 (87.80 to 88.80): VL0



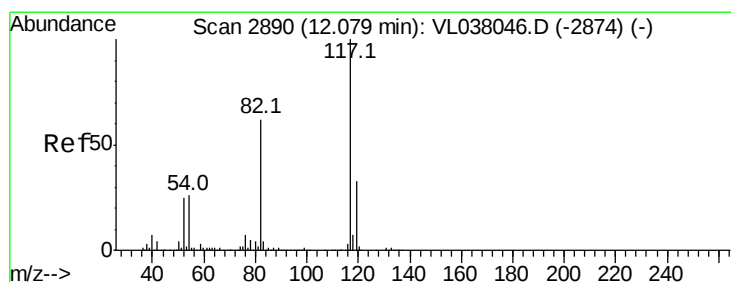
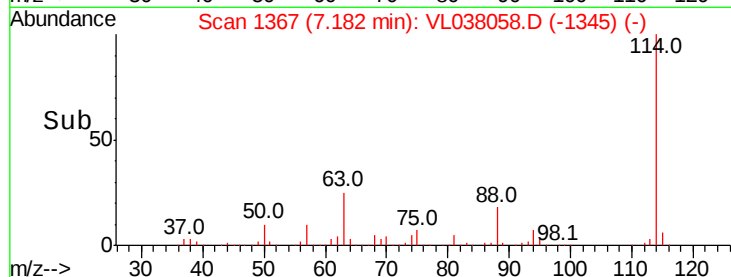
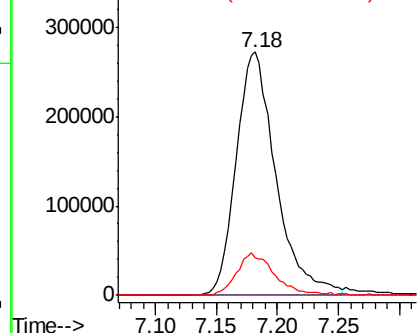


#39
 1,2-Dichloropropane
 Concen: 6.319 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 OC111021 CAN 10060
 Acq: 18 Nov 2021 17:55

Tot Ion: 63 Resp: 616244
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.3 78.5#
 62 15.6 55.1 82.7#

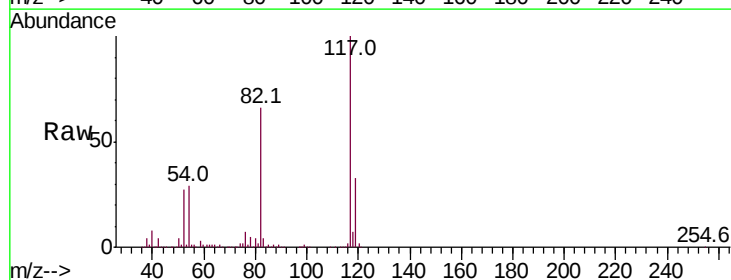


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

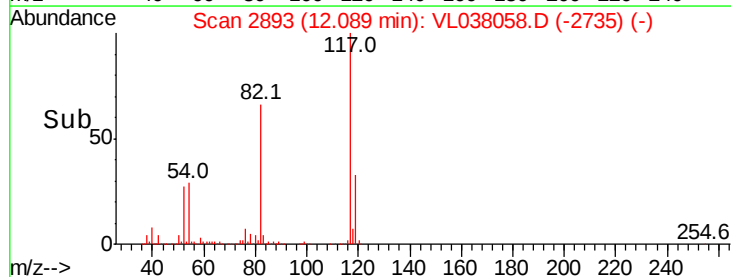
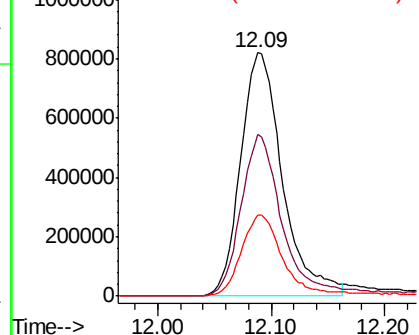


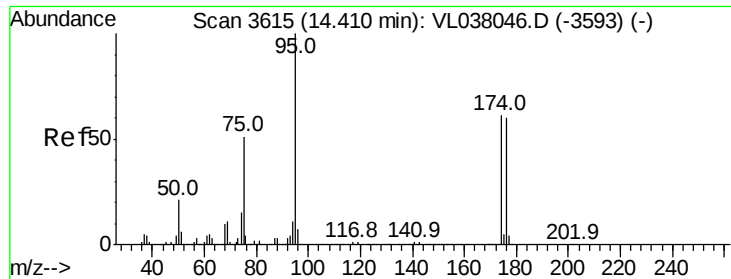
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T.: 0.01 min
 Lab File: VL038058.D
 Acq: 18 Nov 2021 17:55

Tgt Ion: 117 Resp: 2113168
 Ion Ratio Lower Upper
 117 100
 82 68.1 52.8 79.2
 119 34.2 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: 9.762 ppbv

RT: 14.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

OC111021 CAN 10060

Acq: 18 Nov 2021 17:55

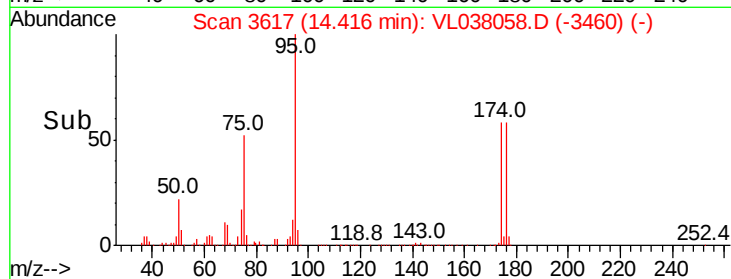
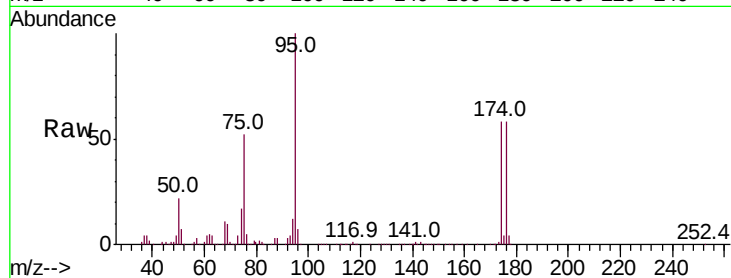
Tot Ion: 95 Resp: 1487935

Ion Ratio Lower Upper

95 100

174 69.7 53.1 79.7

175 4.8 4.0 6.0



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

