

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039207.D
 Acq On : 7 Jun 2022 13:34
 Operator : SY/AP
 Sample : OC060622 CAN 10598
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 04:58:34 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1073614	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2913799	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2482063	10.00	ppbv	-0.02

System Monitoring Compounds

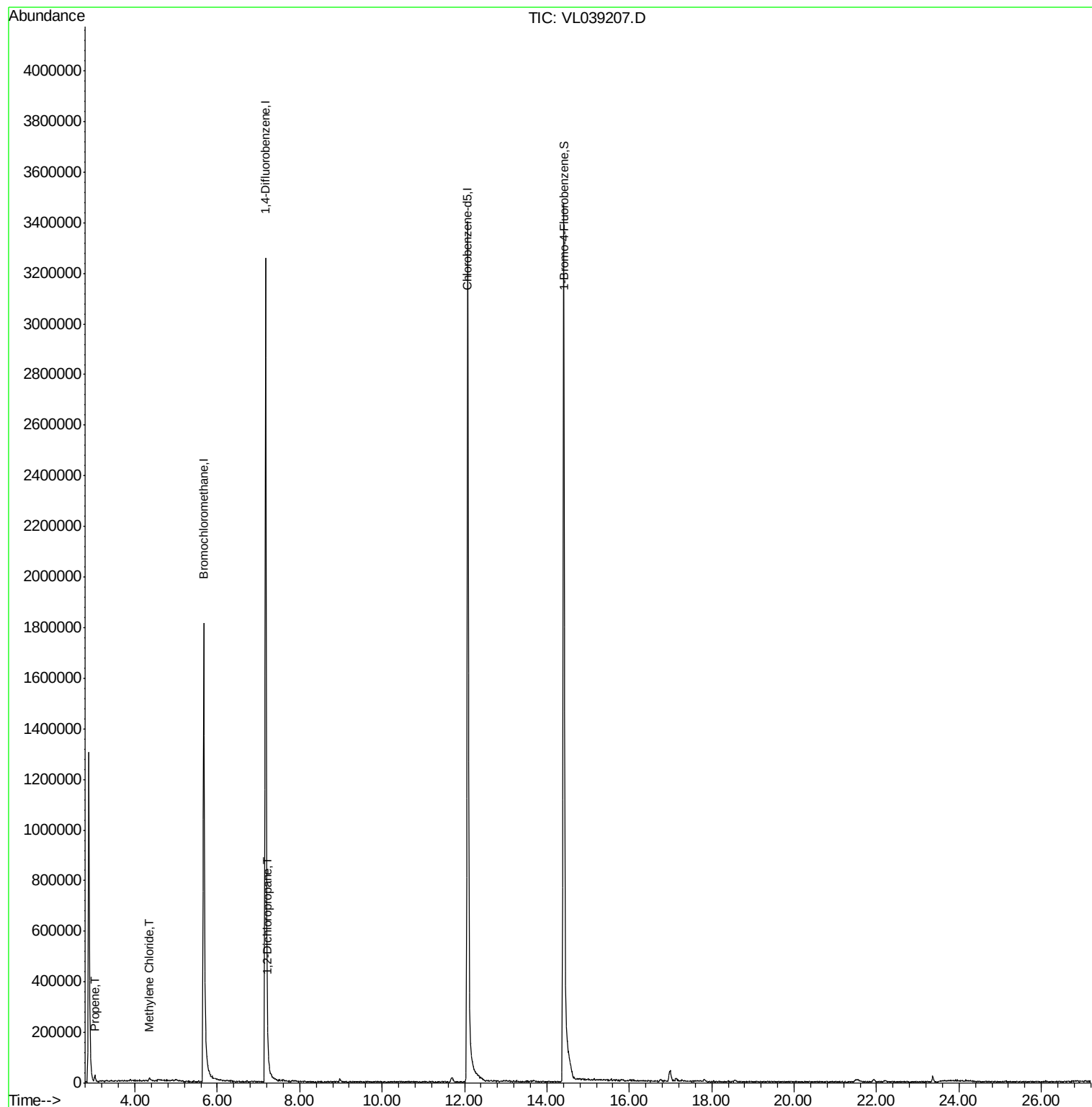
68) 1-Bromo-4-Fluorobenzene	14.41	95	1935722	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

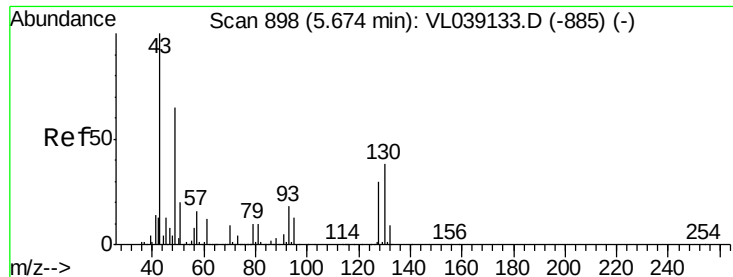
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2081	0.035	ppbv #	15
20) Methylene Chloride	4.34	84	2053	0.044	ppbv	90
39) 1,2-Dichloropropane	7.23	63	7991	0.085	ppbv #	23

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

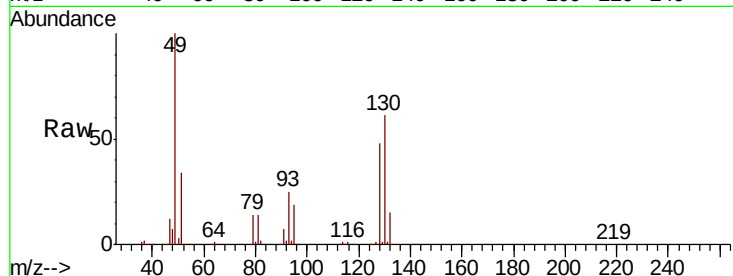
Delta R.T. -0.01 min

Lab File: VL039207.D

Acq: 7 Jun 2022 13:34

Tot Ion: 49 Resp: 1073614

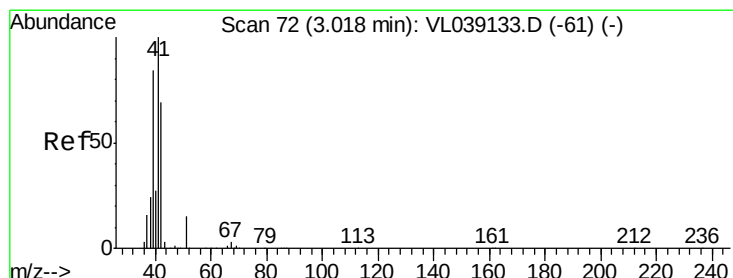
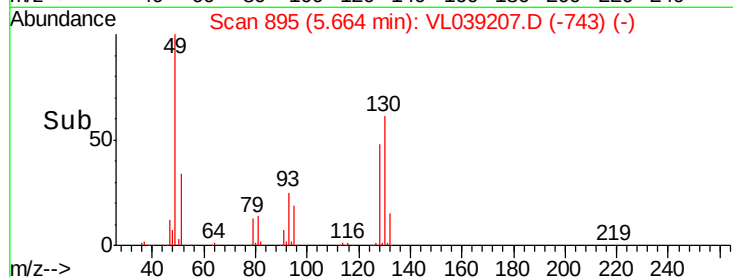
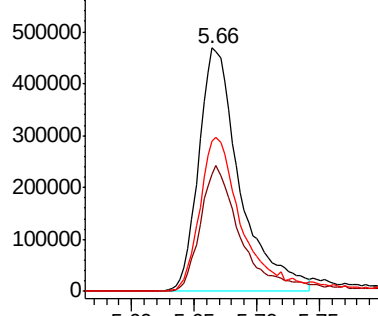
Ion	Ratio	Lower	Upper
49	100		
128	52.9	24.7	74.1
130	67.4	31.4	94.0



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: 0.035 ppbv

RT: 3.01 min Scan# 70

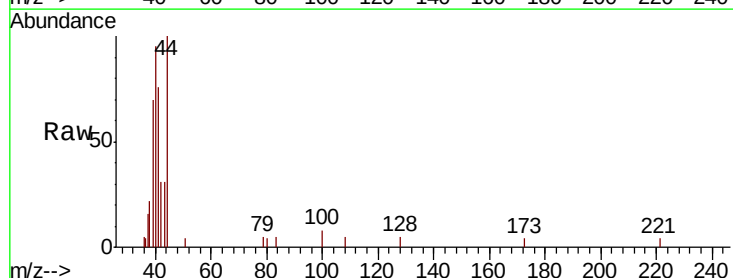
Delta R.T. -0.01 min

Lab File: VL039207.D

Acq: 7 Jun 2022 13:34

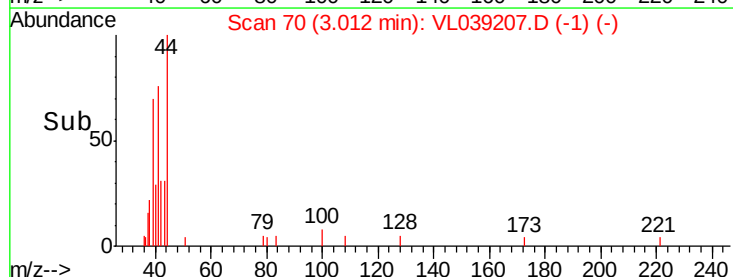
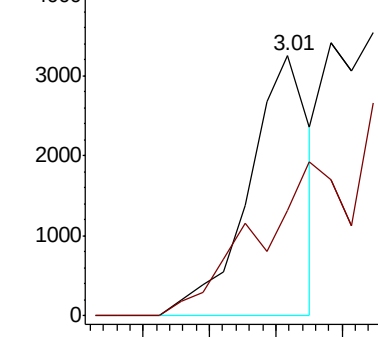
Tgt Ion: 41 Resp: 2081

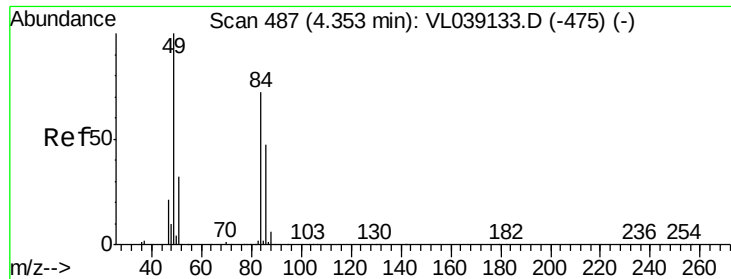
Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.4	83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

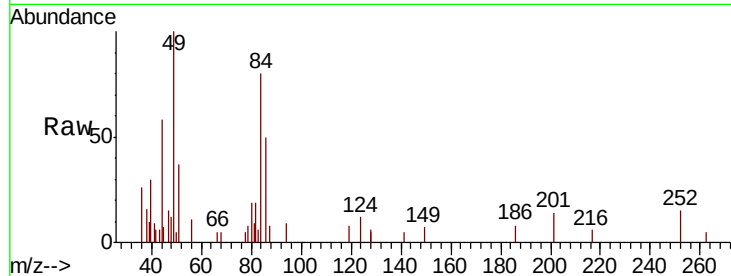
Ion 42.10 (41.80 to 42.80): VL0



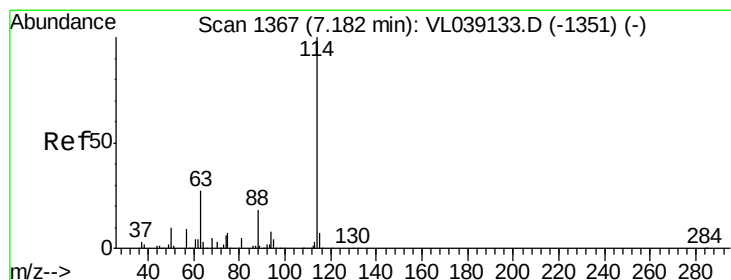
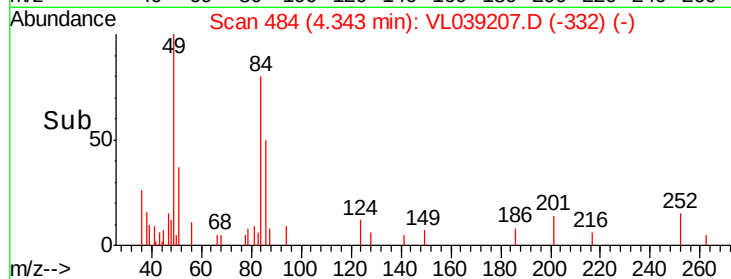
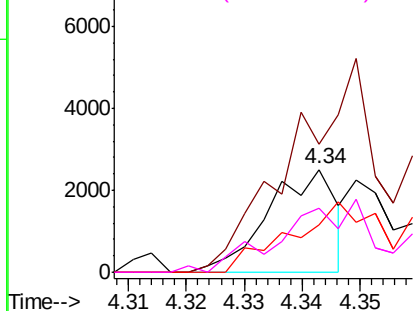


#20
Methvlene Chloride
Concen: 0.044 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL039207.D
Acq: 7 Jun 2022 13:34

Tot Ion:	84	Resp:	2053
Ion	Ratio	Lower	Upper
84	100		
49	124.7	111.1	166.7
51	46.5	35.3	52.9
86	56.7	51.9	77.9

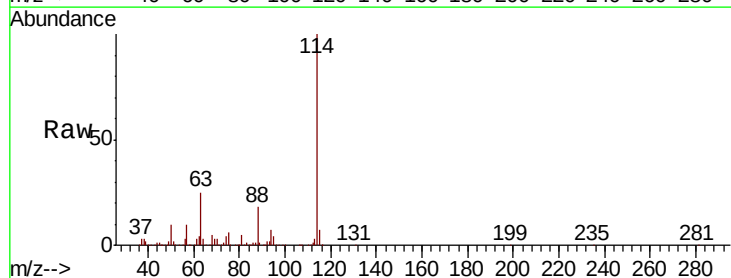


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

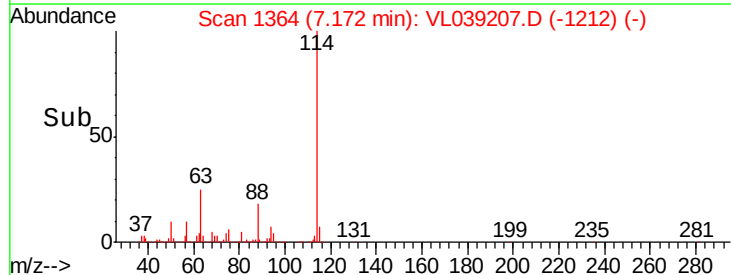
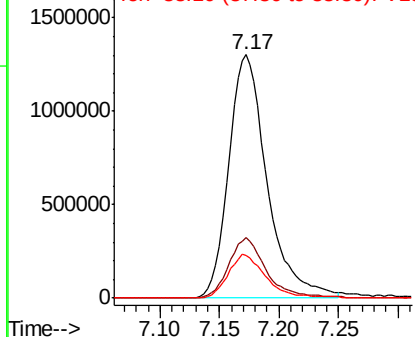


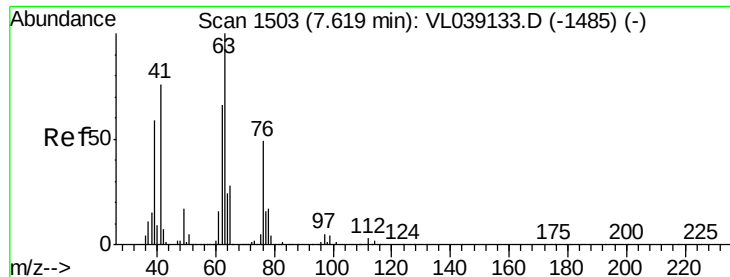
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL039207.D
Acq: 7 Jun 2022 13:34

Tgt Ion:	114	Resp:	2913799
Ion	Ratio	Lower	Upper
114	100		
63	24.9	21.7	32.5
88	18.0	14.8	22.2



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: 0.085 ppbv

RT: 7.23 min Scan# 1381

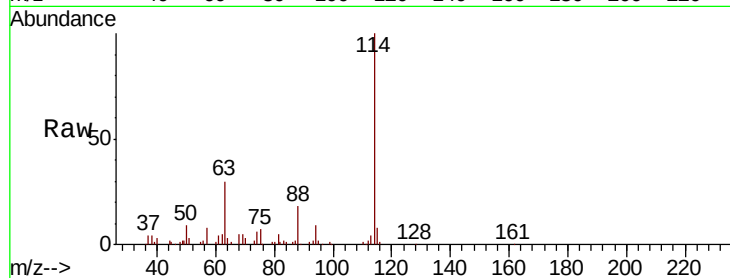
Delta R.T. -0.39 min

Lab File: VL039207.D

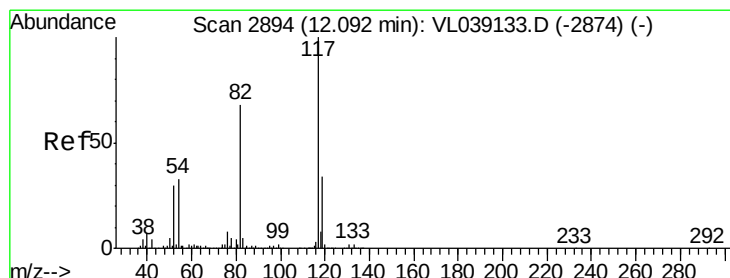
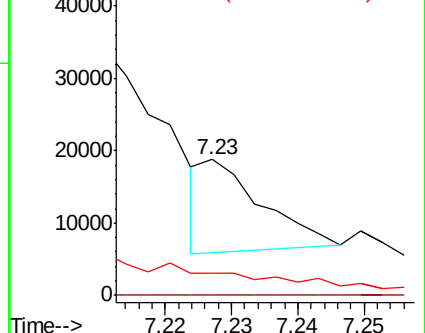
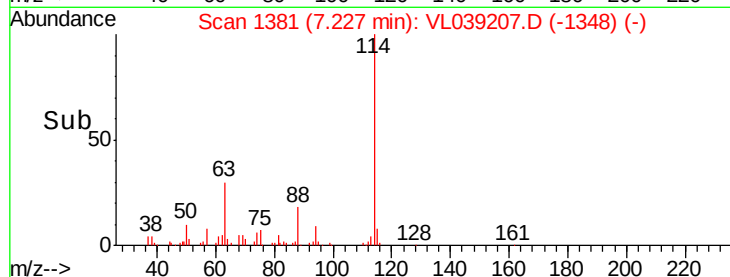
Acq: 7 Jun 2022 13:34

Tot Ion: 63 Resp: 7991

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	15.4	52.9	79.3#



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: 12.08 min Scan# 2889

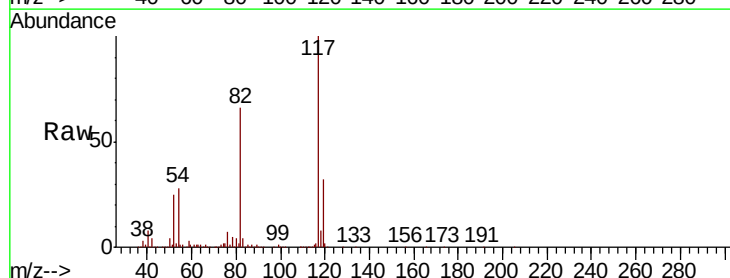
Delta R.T. -0.02 min

Lab File: VL039207.D

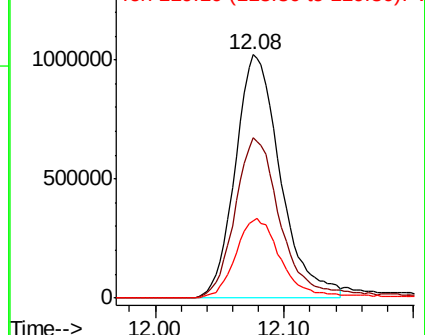
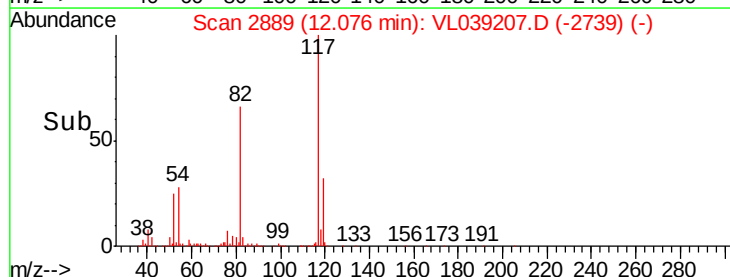
Acq: 7 Jun 2022 13:34

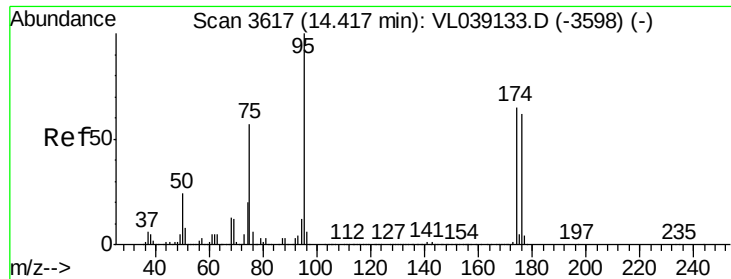
Tgt Ion: 117 Resp: 2482063

Ion	Ratio	Lower	Upper
117	100		
82	69.4	55.1	82.7
119	34.3	24.7	37.1



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: 9.433 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.01 min

Lab File: VL039207.D

Acq: 7 Jun 2022 13:34

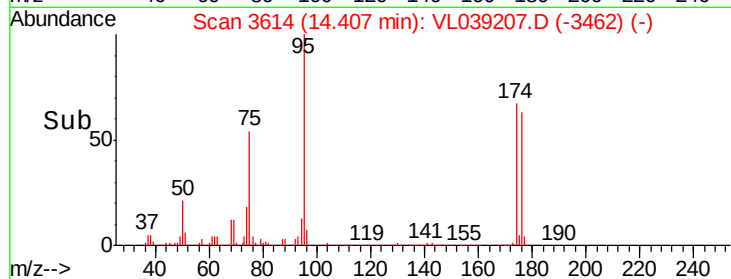
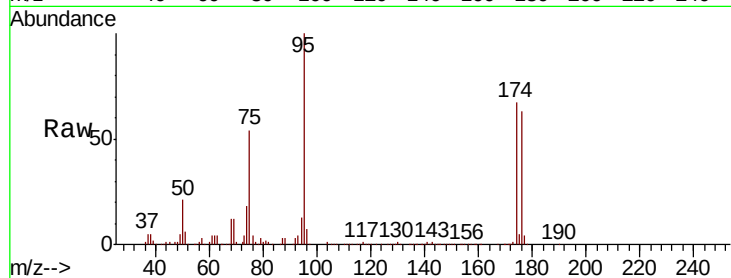
Tot Ion: 95 Resp: 1935722

Ion Ratio Lower Upper

95 100

174 71.5 53.8 80.8

175 4.9 4.1 6.1



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

