

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039228.D
 Acq On : 8 Jun 2022 3:31
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 08 05:03:58 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	5.68	49	871239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2238460	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1828224	10.00	ppbv	0.00

System Monitoring Compounds

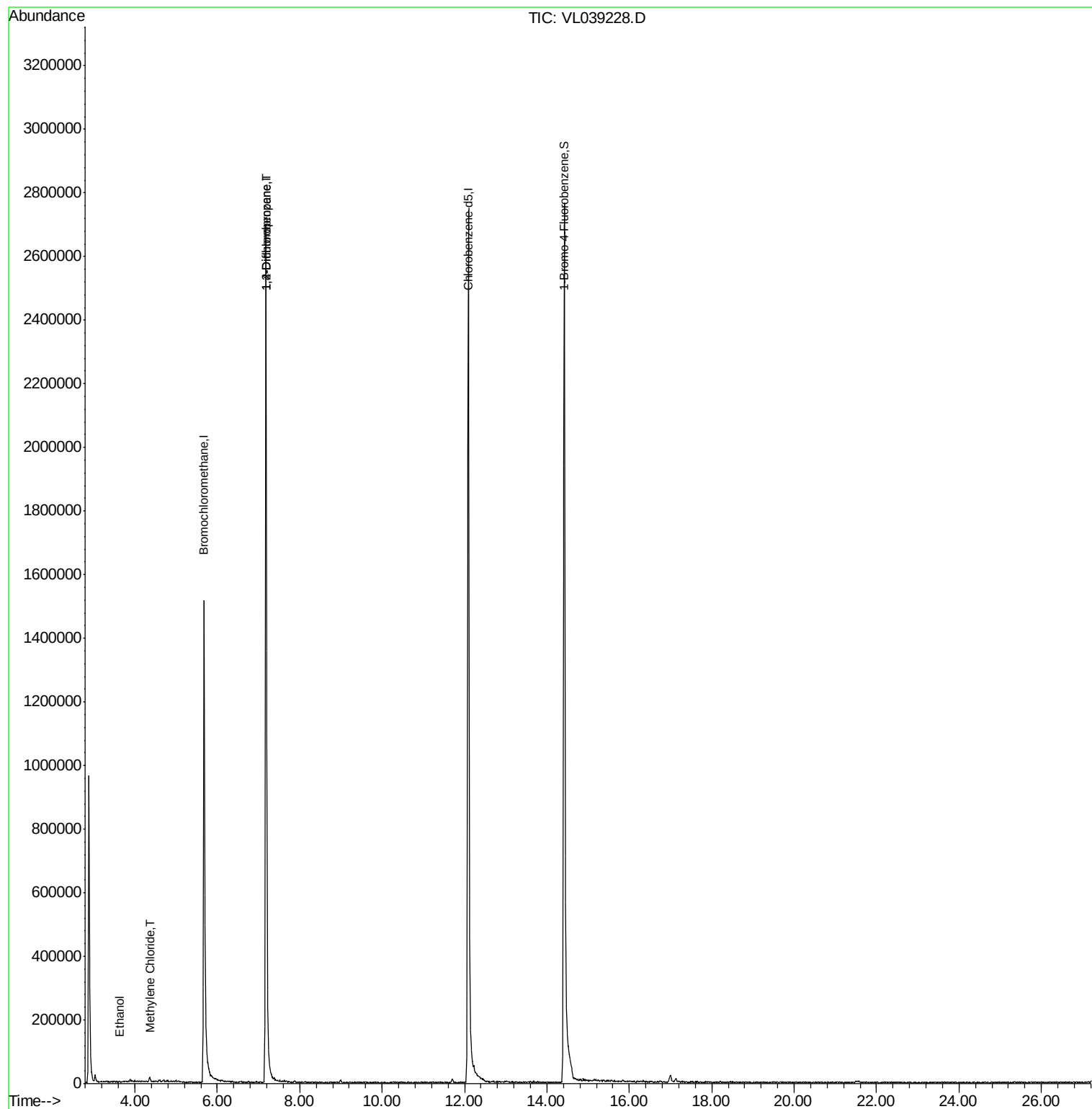
68) 1-Bromo-4-Fluorobenzene	14.42	95	1441234	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

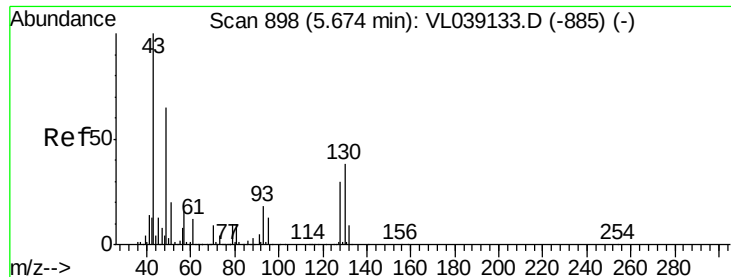
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	388	0.147	ppbv #	100
20) Methylene Chloride	4.36	84	2370	0.062	ppbv #	46
39) 1,2-Dichloropropane	7.18	63	575100	7.956	ppbv #	23

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

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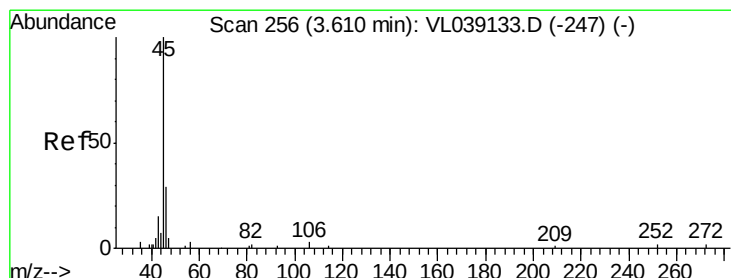
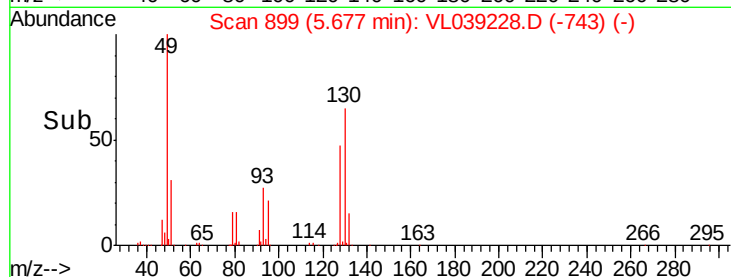
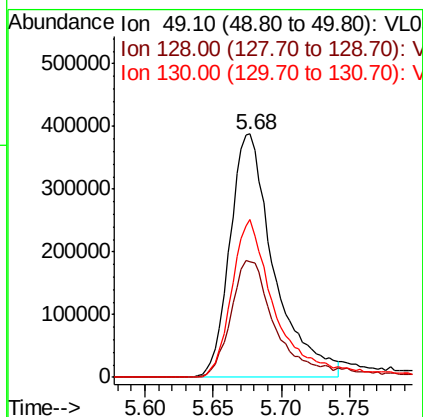
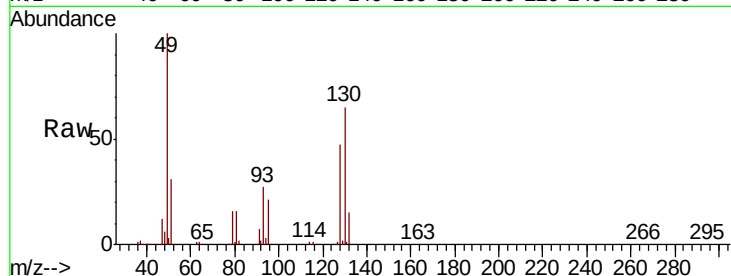
Quant Time: Jun 08 05:03:58 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
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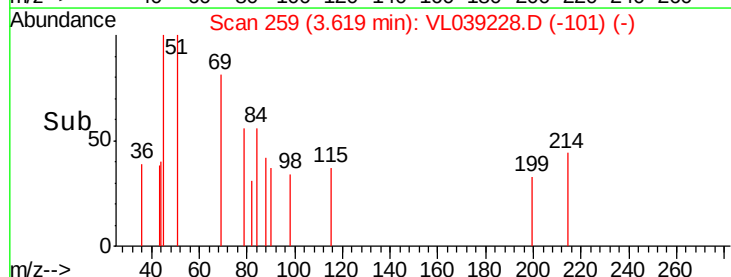
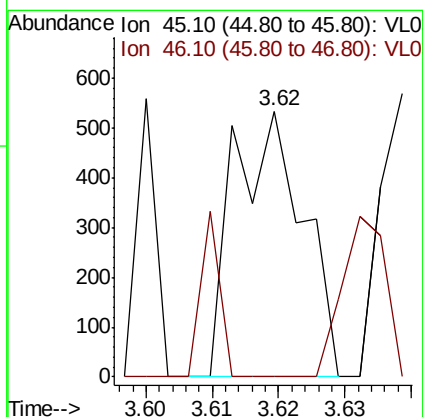
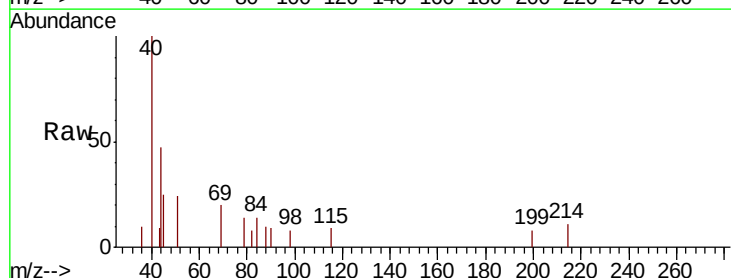
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL039228.D
Acq: 8 Jun 2022 3:31

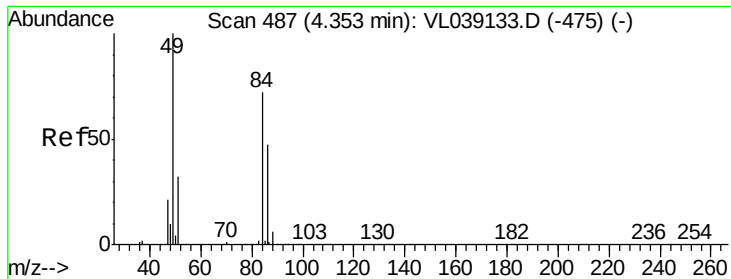
Tot Ion: 49 Resp: 871239
Ion Ratio Lower Upper
49 100
128 51.9 24.7 74.1
130 67.0 31.4 94.0



#13
Ethanol
Concen: 0.147 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL039228.D
Acq: 8 Jun 2022 3:31

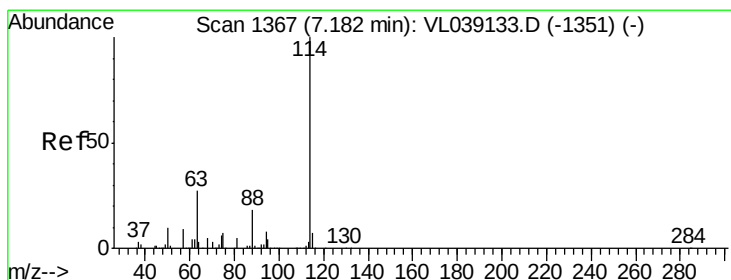
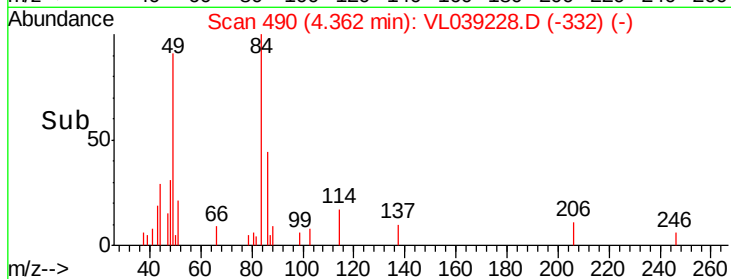
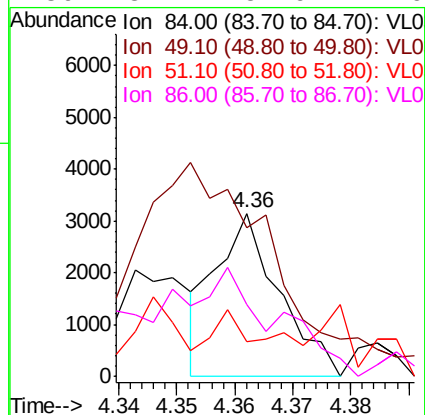
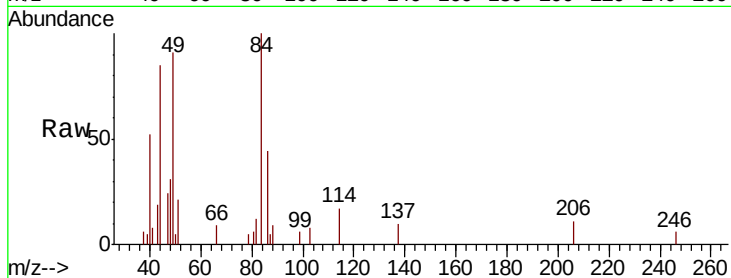
Tgt Ion: 45 Resp: 388
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0





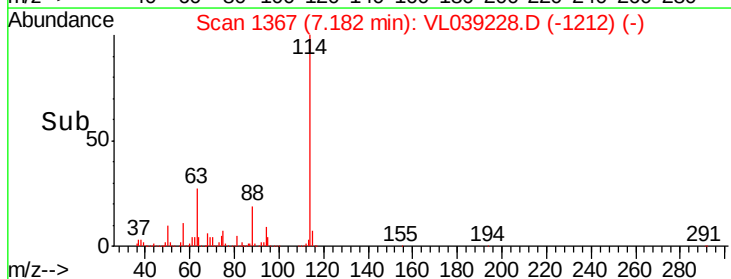
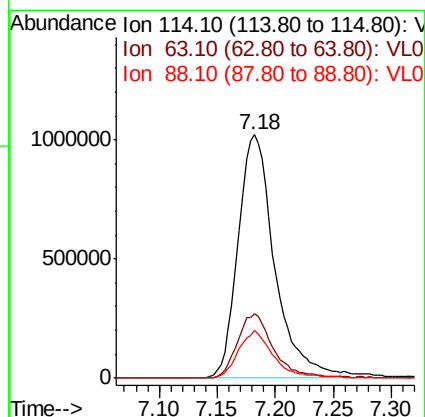
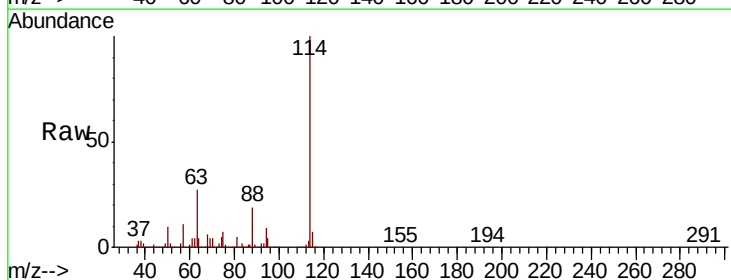
#20
Methylene Chloride
Concen: 0.062 ppbv
RT: 4.36 min Scan# 490
Delta R.T. 0.01 min
Lab File: VL039228.D
Acq: 8 Jun 2022 3:31

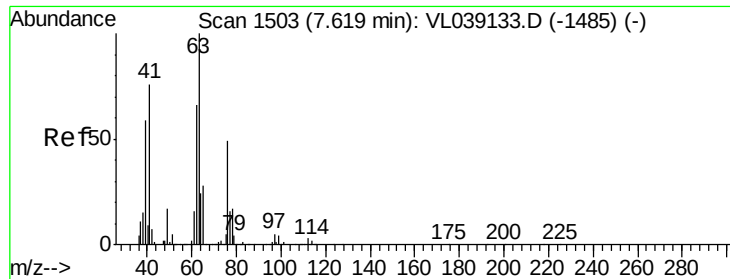
Tot Ion:	84	Resp:	2370
Ion	Ratio	Lower	Upper
84	100		
49	69.0	111.1	166.7#
51	5.9	35.3	52.9#
86	32.7	51.9	77.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL039228.D
Acq: 8 Jun 2022 3:31

Tgt Ion:	114	Resp:	2238460
Ion	Ratio	Lower	Upper
114	100		
63	26.8	21.7	32.5
88	18.7	14.8	22.2





#39

1,2-Dichloropropane

Concen: 7.956 ppbv

RT: 7.18 min Scan# 1367

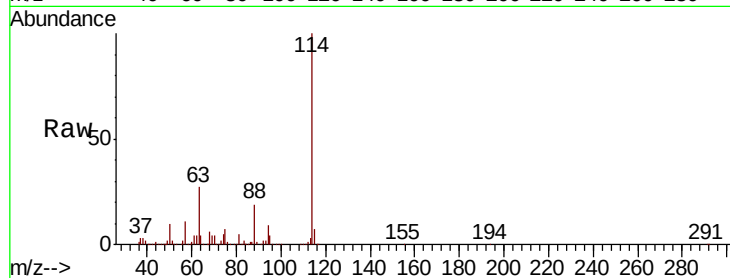
Delta R.T. -0.44 min

Lab File: VL039228.D

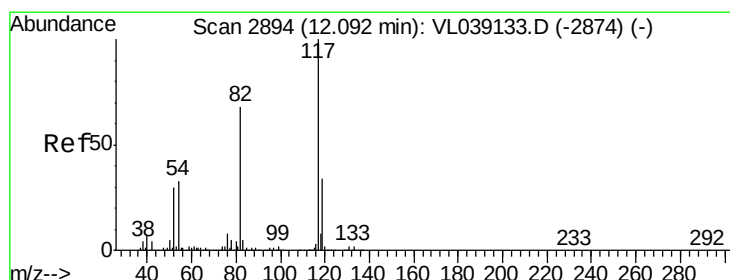
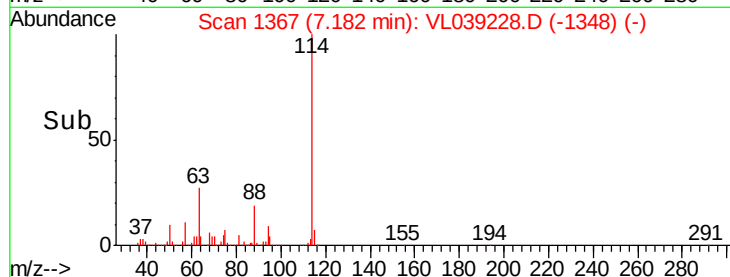
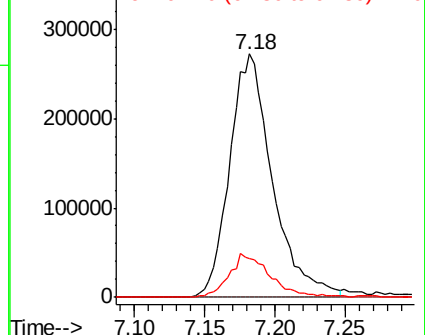
Acq: 8 Jun 2022 3:31

Tot Ion: 63 Resp: 575100

Ion	Ratio	Lower	Upper
63	100		
41	0.1	60.8	91.2#
62	16.0	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: 12.09 min Scan# 2894

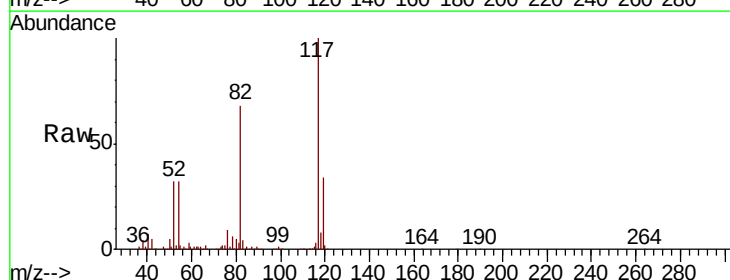
Delta R.T. -0.00 min

Lab File: VL039228.D

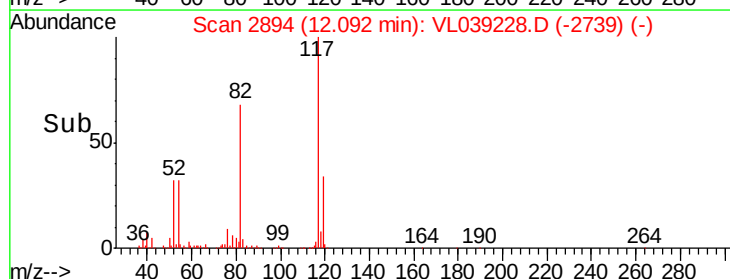
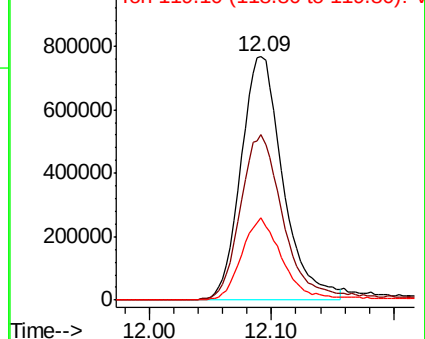
Acq: 8 Jun 2022 3:31

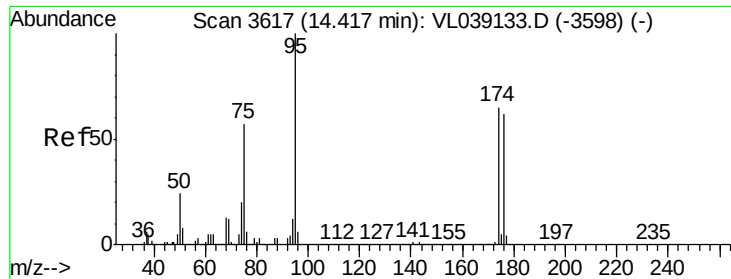
Tgt Ion: 117 Resp: 1828224

Ion	Ratio	Lower	Upper
117	100		
82	73.2	55.1	82.7
119	34.2	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: 9.535 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL039228.D

Acq: 8 Jun 2022 3:31

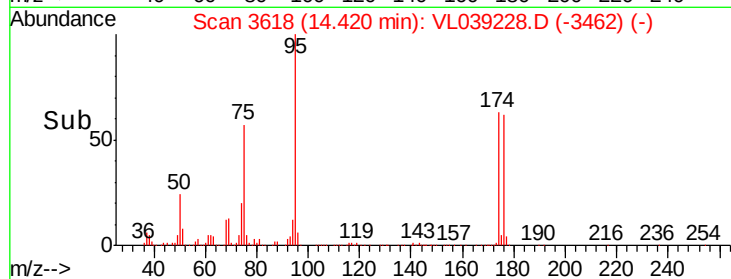
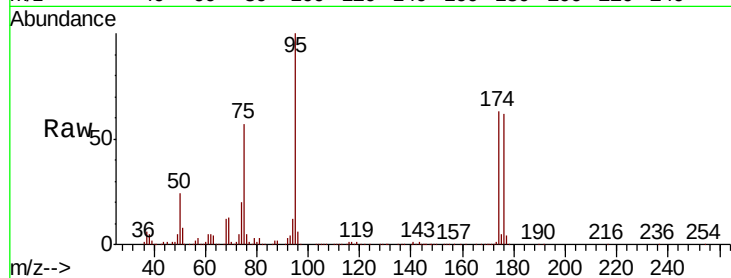
Tot Ion: 95 Resp: 1441234

Ion Ratio Lower Upper

95 100

174 69.7 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

