

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038806.D
 Acq On : 30 Mar 2022 22:38
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 04:15:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	860967	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2466071	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2090270	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1469587	9.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.70%

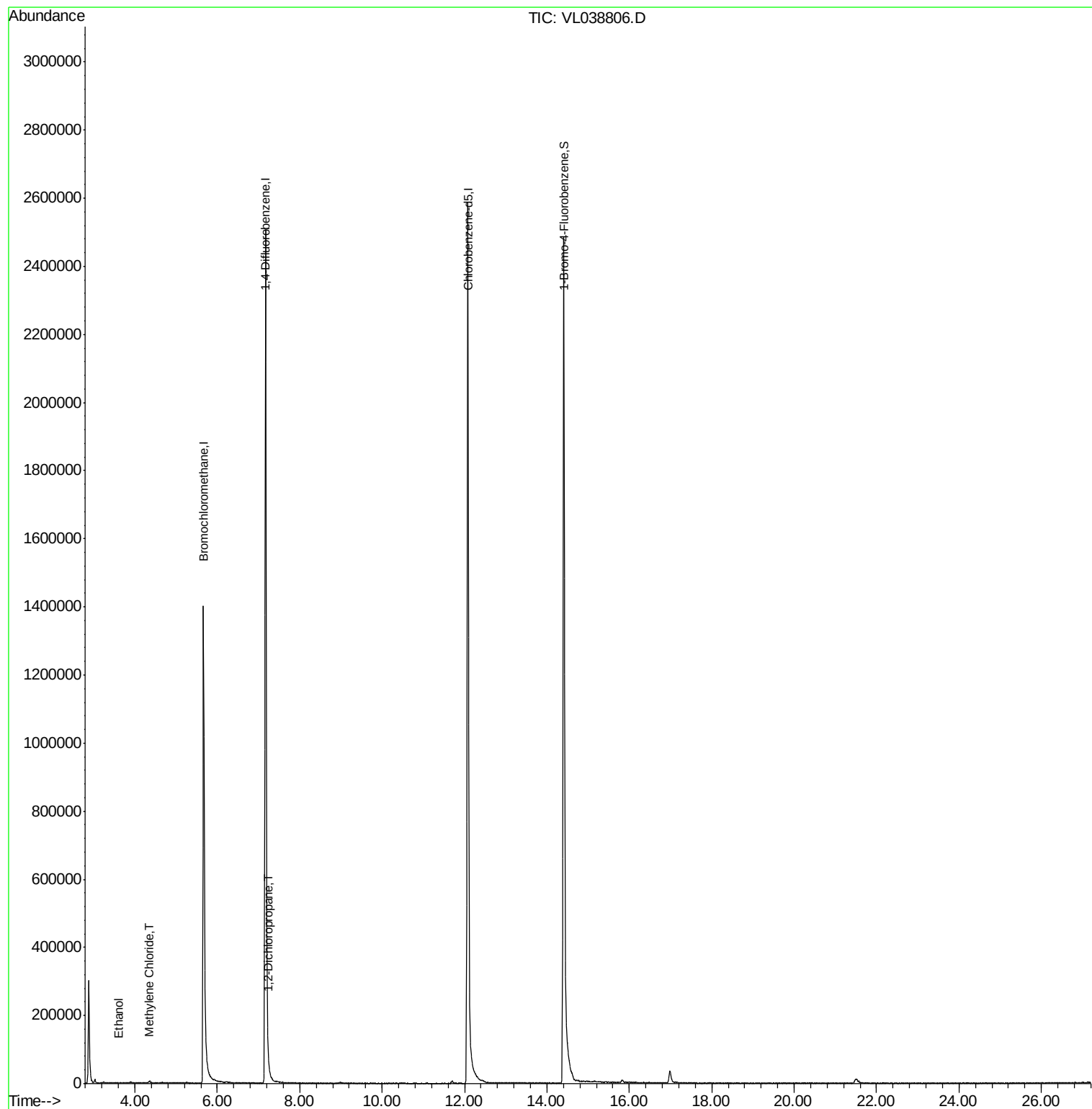
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	235	0.049	ppbv #	37
20) Methylene Chloride	4.34	84	1072	0.034	ppbv #	51
39) 1,2-Dichloropropane	7.23	63	7357	0.099	ppbv #	25

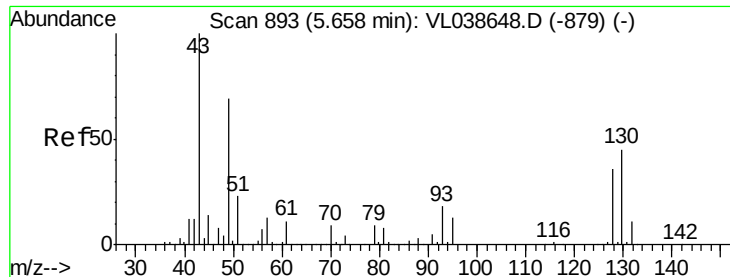
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Mar 21 17:09:26 2022
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 22:38

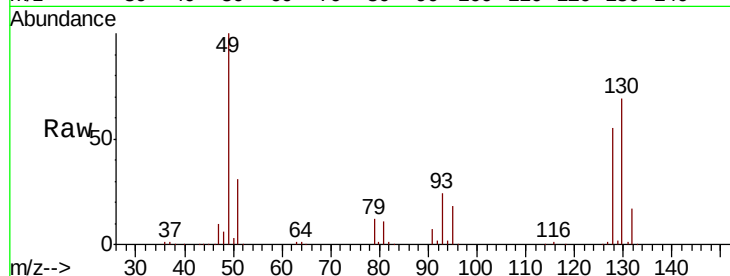
Tot Ion: 49 Resp: 860967

Ion Ratio Lower Upper

49 100

128 57.5 26.2 78.6

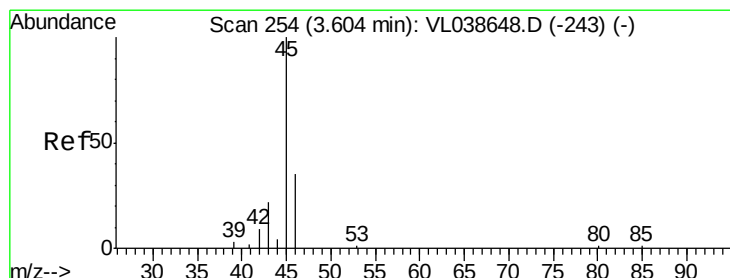
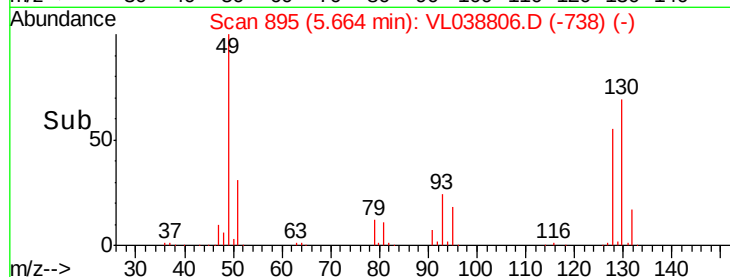
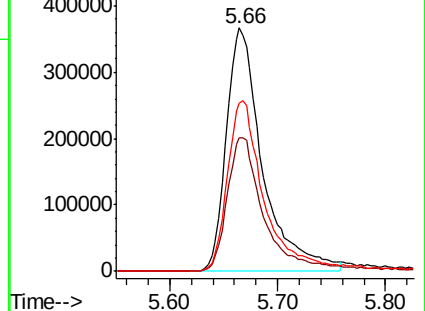
130 74.3 33.7 101.1



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



#13

Ethanol

Concen: 0.049 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL038806.D

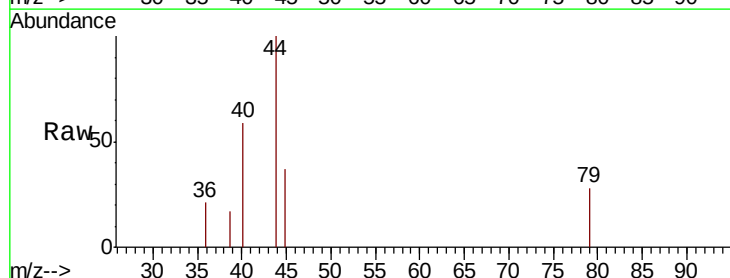
Acq: 30 Mar 2022 22:38

Tgt Ion: 45 Resp: 235

Ion Ratio Lower Upper

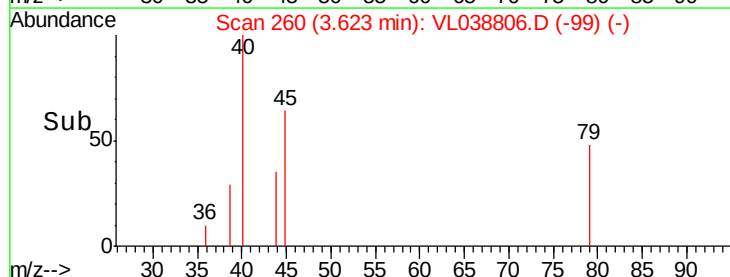
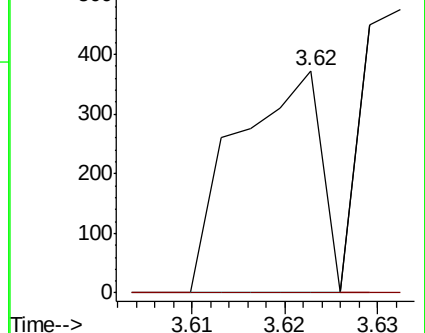
45 100

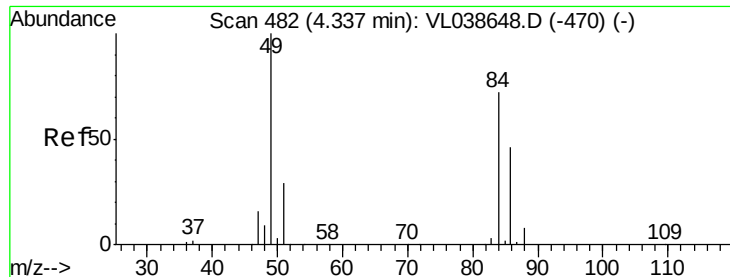
46 0.0 15.1 60.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

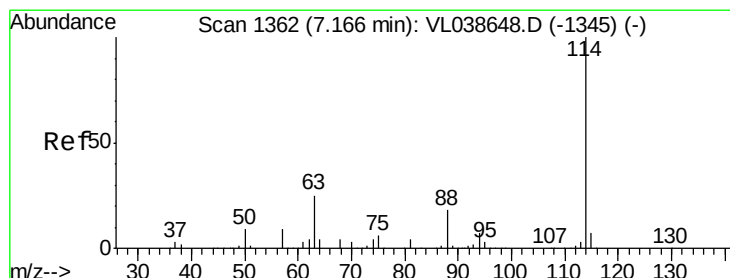
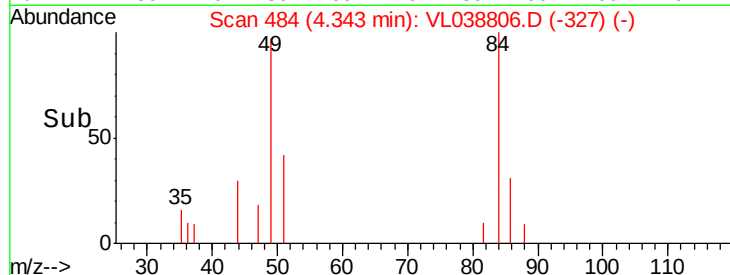
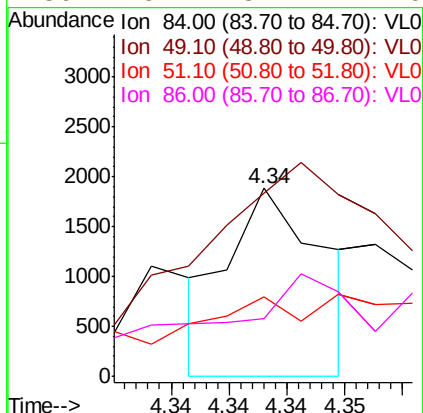
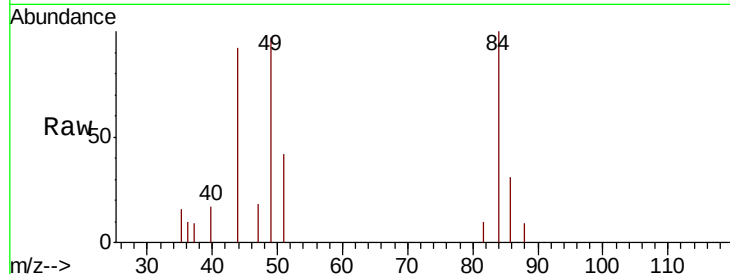
Ion 46.10 (45.80 to 46.80): VL0





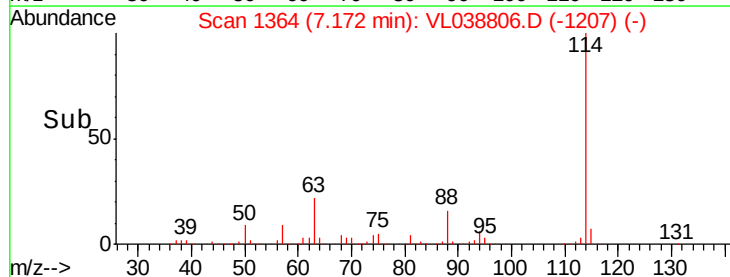
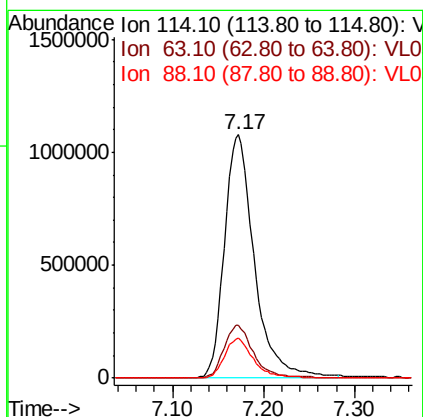
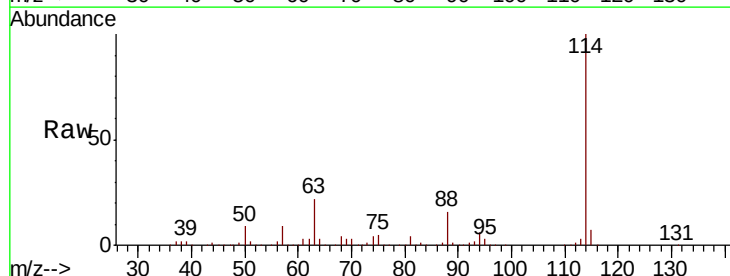
#20
Methvlene Chloride
Concen: 0.034 ppbv
RT: 4.34 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 22:38

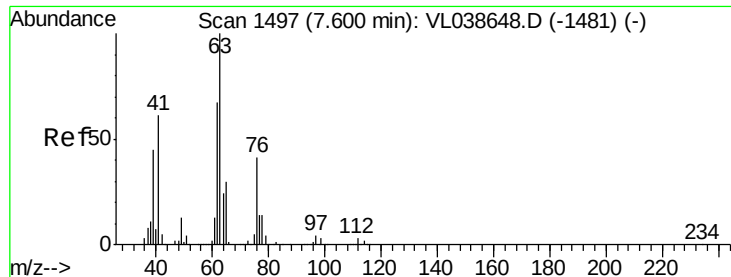
Tot Ion: 84 Resp: 1072
Ion Ratio Lower Upper
84 100
49 81.8 111.2 166.8#
51 30.7 32.8 49.2#
86 5.7 51.4 77.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VL038806.D
Acq: 30 Mar 2022 22:38

Tgt Ion: 114 Resp: 2466071
Ion Ratio Lower Upper
114 100
63 22.0 19.4 29.0
88 16.2 13.9 20.9





#39

1,2-Dichloropropane

Concen: 0.099 ppbv

RT: 7.23 Instrument:

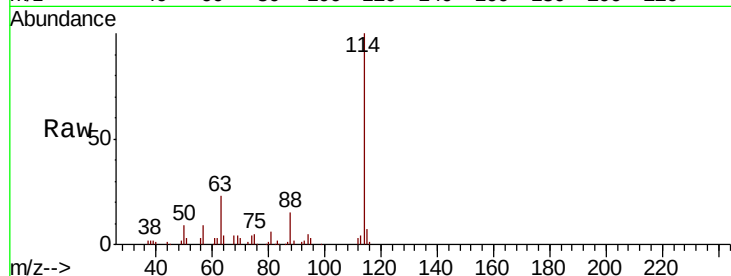
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

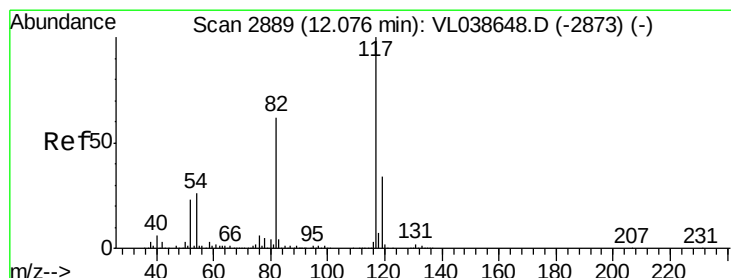
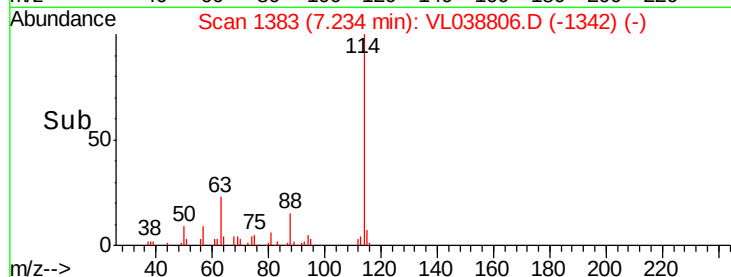
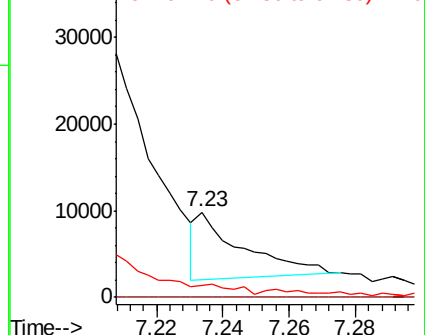
Acq: 30 Mar 2022 22:38

Tot Ion: 63 Resp: 7357

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.0	73.6#
62	10.6	53.9	80.9#



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# 2890

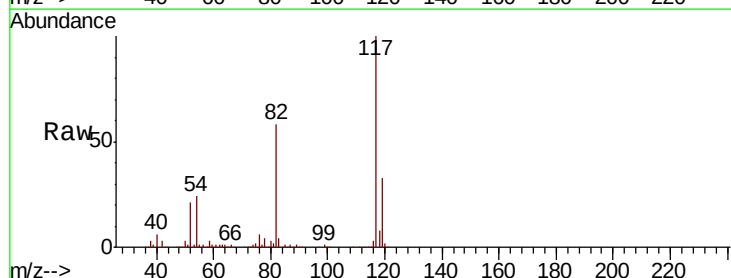
Delta R.T. 0.00 min

Lab File: VL038806.D

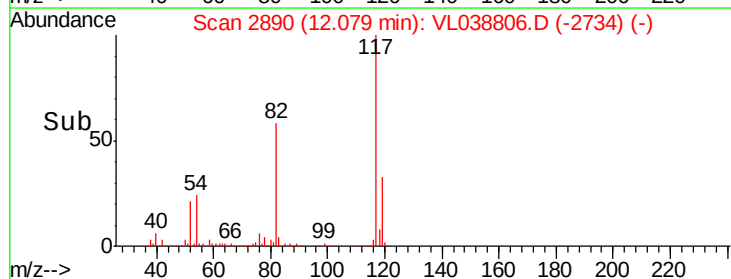
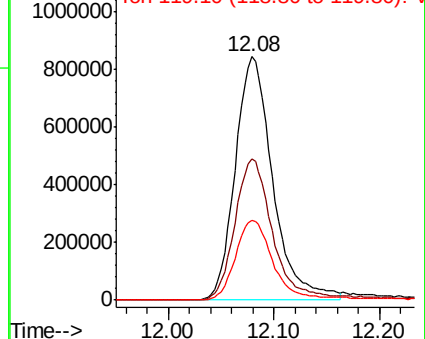
Acq: 30 Mar 2022 22:38

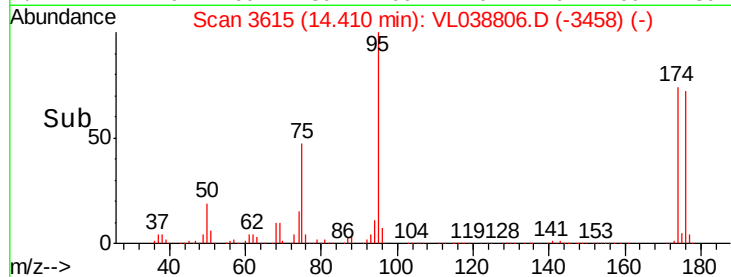
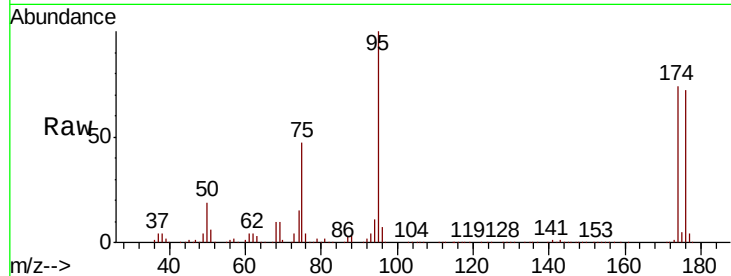
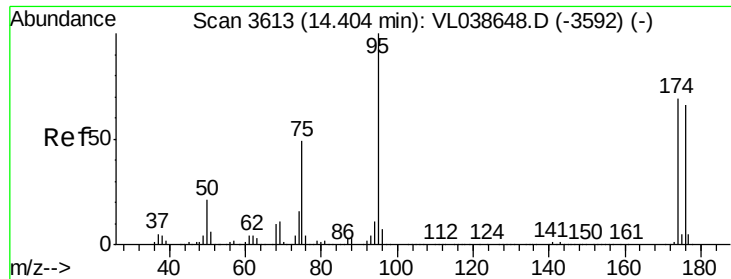
Tgt Ion: 117 Resp: 2090270

Ion	Ratio	Lower	Upper
117	100		
82	60.7	51.6	77.4
119	34.3	26.9	40.3



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: 9.170 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 22:38

Tot Ion: 95 Resp: 1469587

Ion Ratio Lower Upper

95 100

174 78.6 56.1 84.1

175 5.7 4.2 6.2

