

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030822\
 Data File : VL038563.D
 Acq On : 9 Mar 2022 00:12
 Operator : SY/AP
 Sample : VL0308ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 09 07:37:13 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	840672	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2101468	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	1806919	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1330850	9.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%

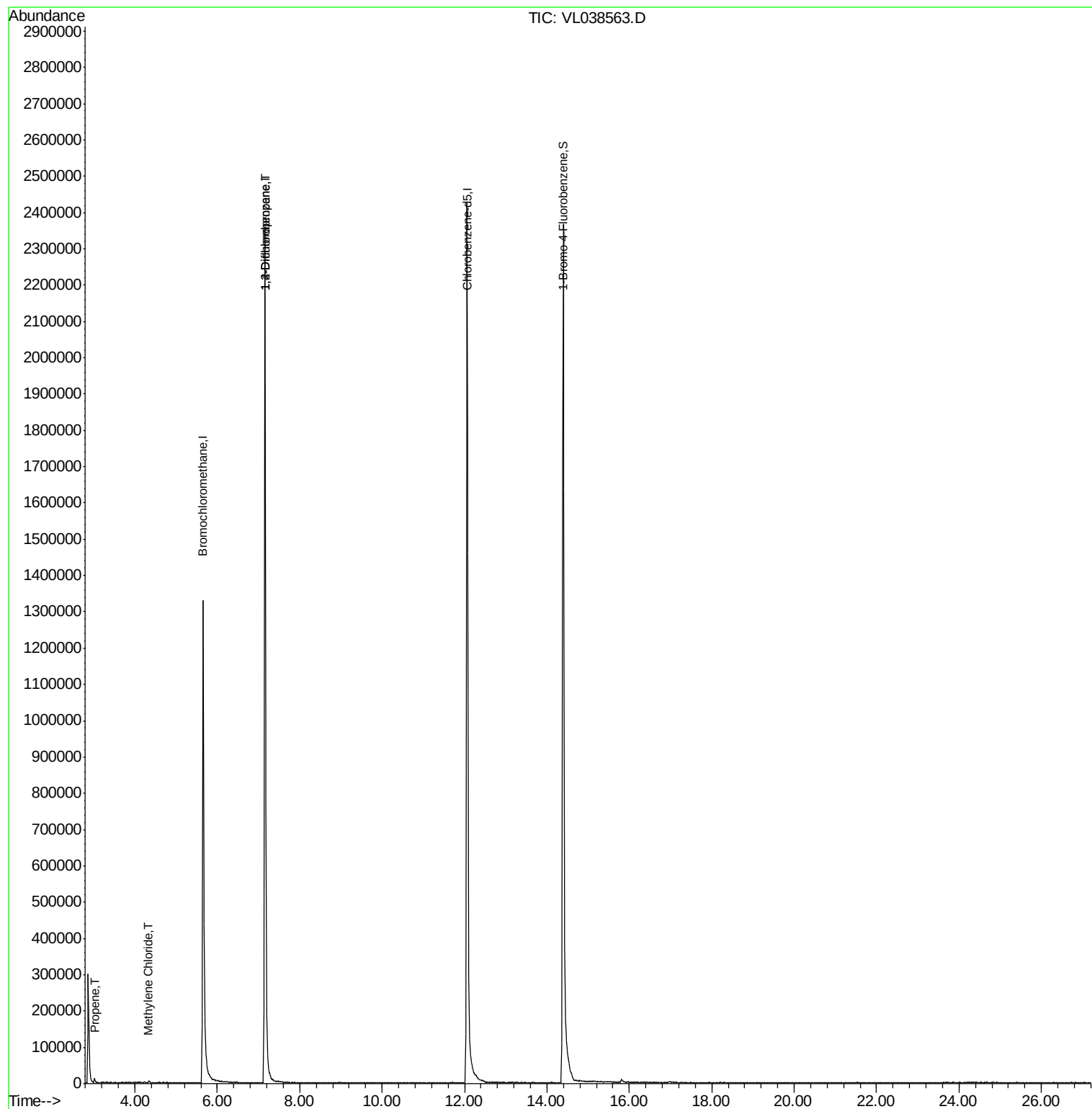
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3218	0.062	ppbv	98
20) Methylene Chloride	4.33	84	1212	0.034	ppbv #	62
39) 1,2-Dichloropropane	7.16	63	502367	6.888	ppbv #	27

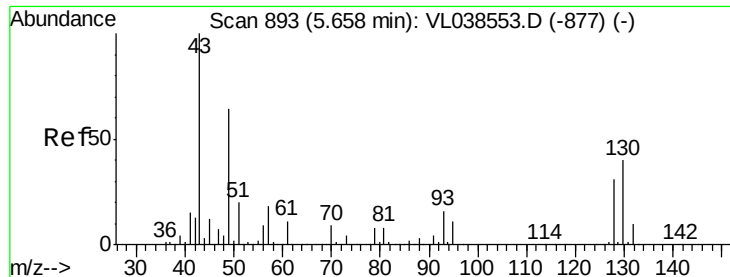
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 00:12

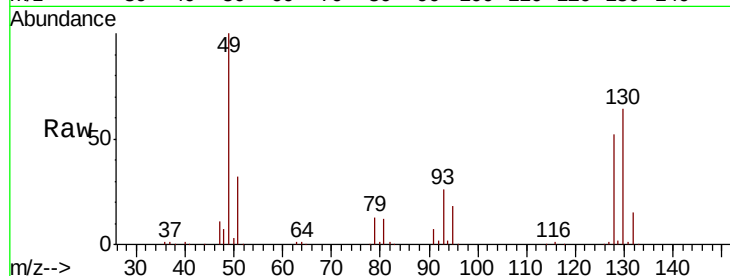
Tot Ion: 49 Resp: 840672

Ion Ratio Lower Upper

49 100

128 52.9 26.4 79.2

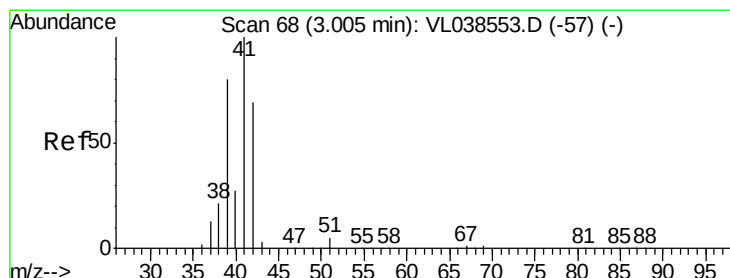
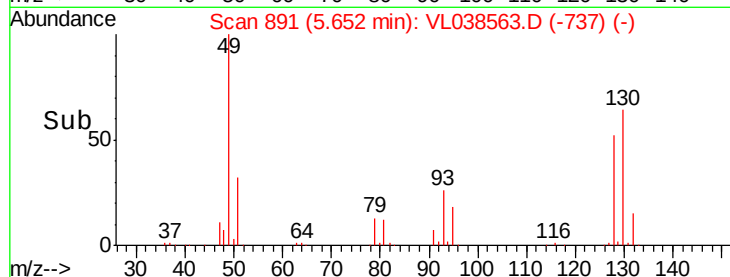
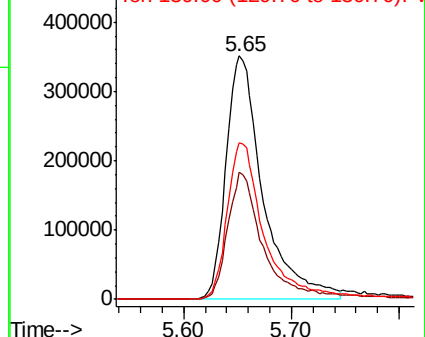
130 66.8 33.0 98.9



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: 0.062 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL038563.D

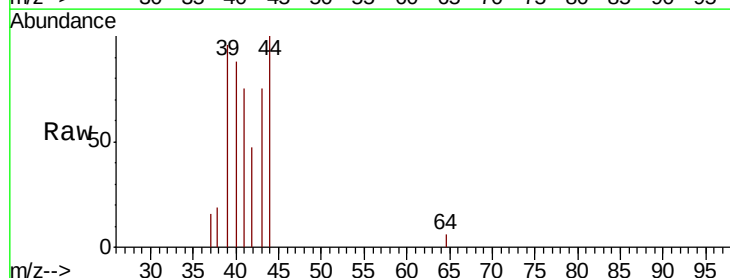
Acq: 9 Mar 2022 00:12

Tgt Ion: 41 Resp: 3218

Ion Ratio Lower Upper

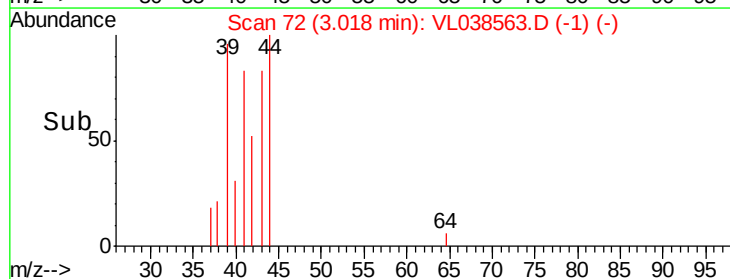
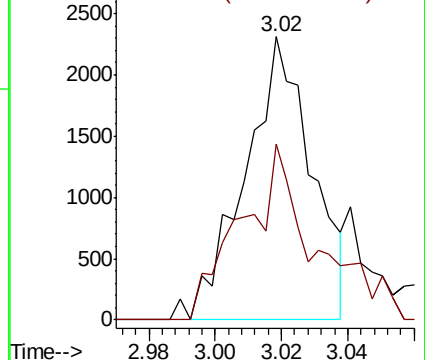
41 100

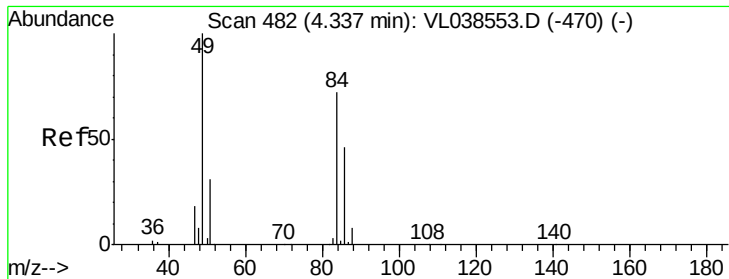
42 70.9 55.7 83.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#20

Methylene Chloride

Concen: 0.034 ppbv

RT: 4.33 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 00:12

Tot Ion: 84 Resp: 1212

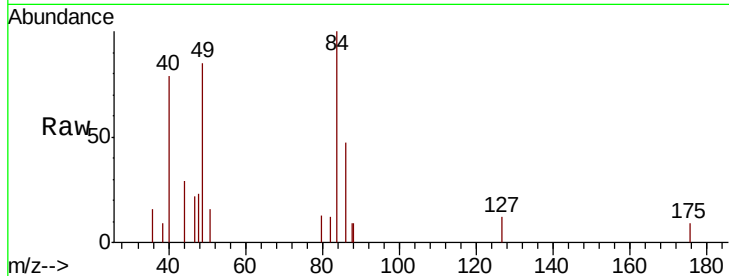
Ion Ratio Lower Upper

84 100

49 84.8 111.1 166.7#

51 16.5 34.0 51.0#

86 46.5 50.9 76.3#

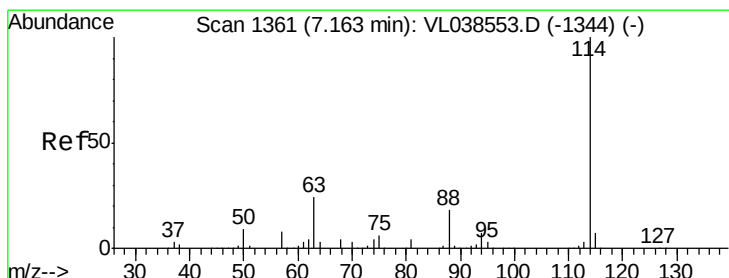
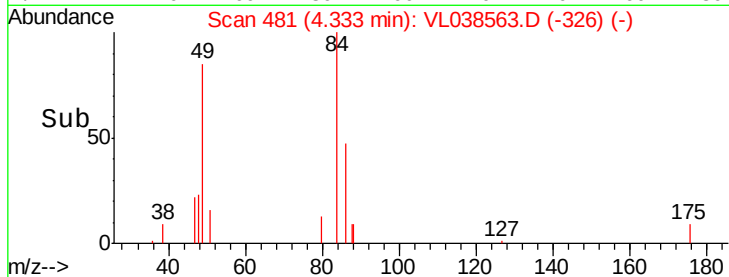
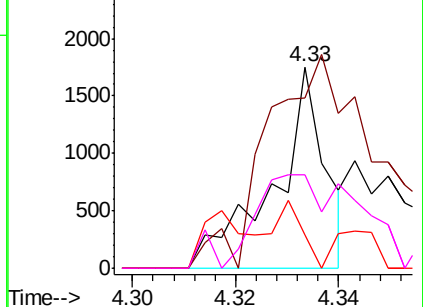


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.16 min Scan# 1359

Delta R.T. -0.01 min

Lab File: VL038563.D

Acq: 9 Mar 2022 00:12

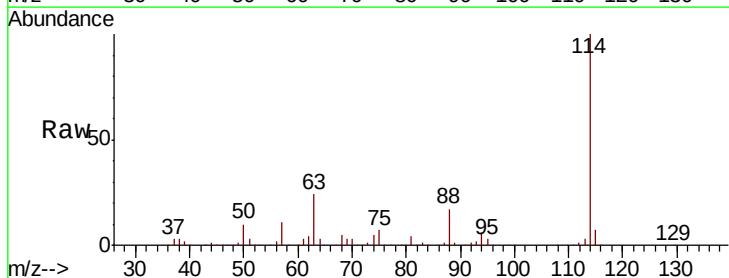
Tgt Ion: 114 Resp: 2101468

Ion Ratio Lower Upper

114 100

63 24.1 19.6 29.4

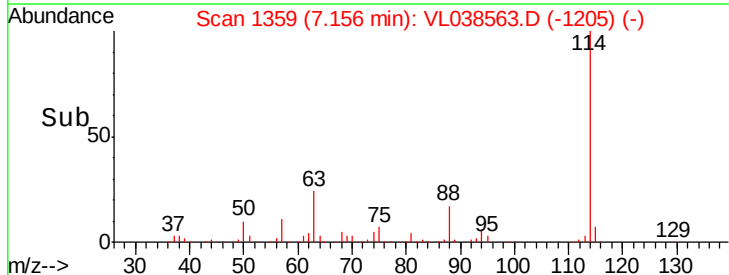
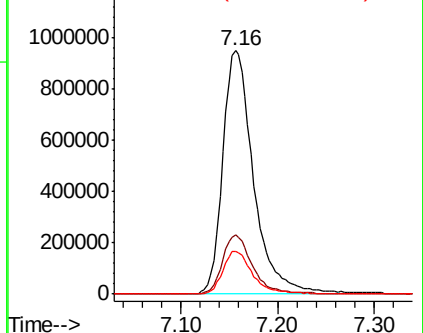
88 17.4 13.9 20.9

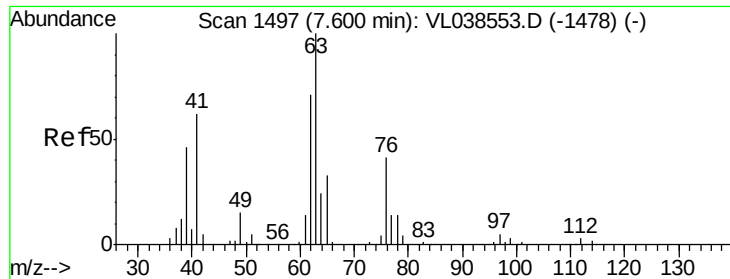


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

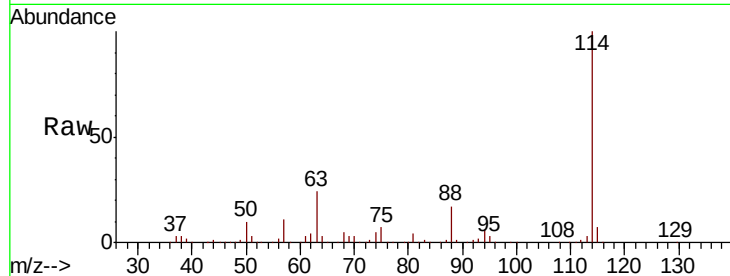
Ion 88.10 (87.80 to 88.80): VL0





#39
 1,2-Dichloropropane
 Concen: 6.888 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 00:12

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	16.1	56.7	85.1#

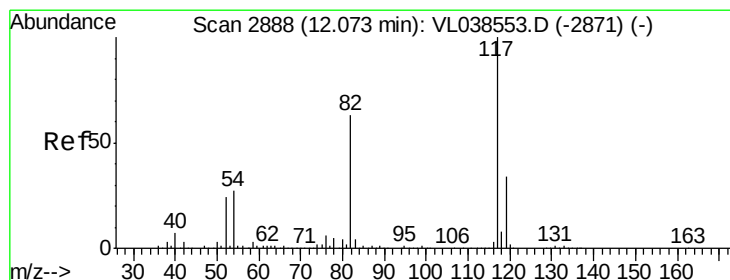
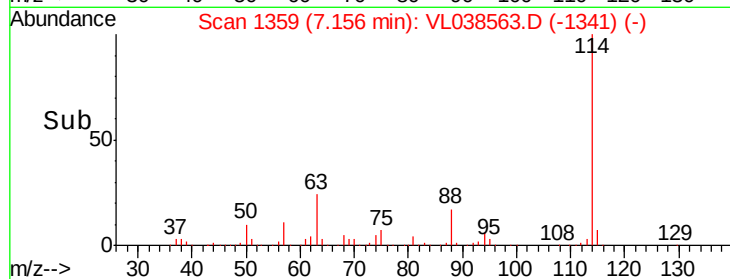
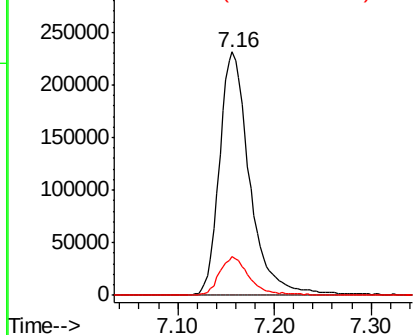


Abundance

Ion 63.10 (62.80 to 63.80): VL0

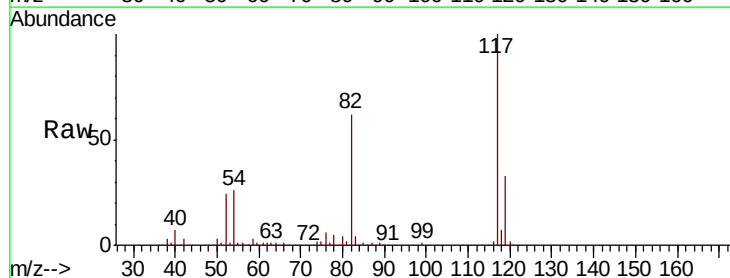
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2885
 Delta R.T. -0.01 min
 Lab File: VL038563.D
 Acq: 9 Mar 2022 00:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.5	52.5	78.7
119	34.3	46.4	69.6#

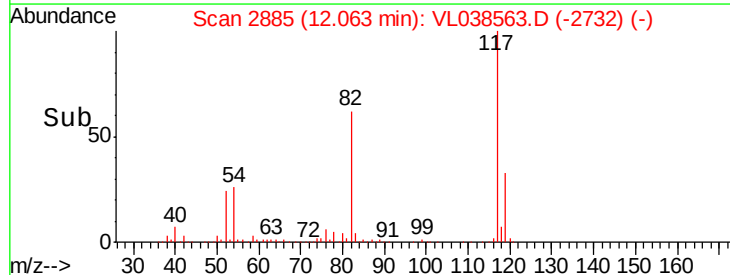
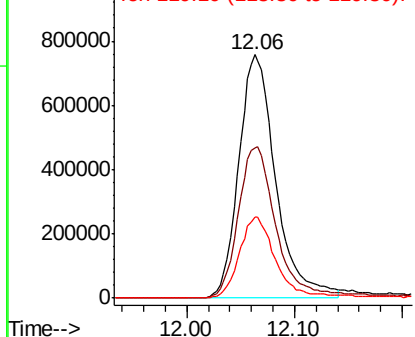


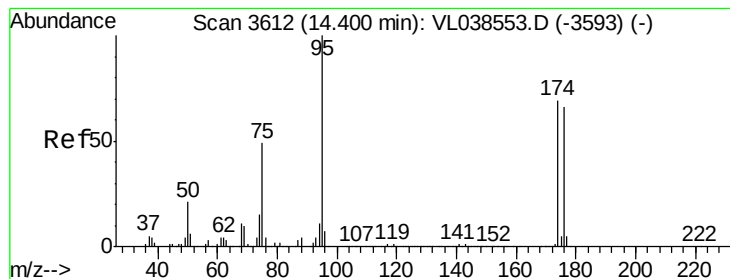
Abundance

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: 9.688 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 00.12

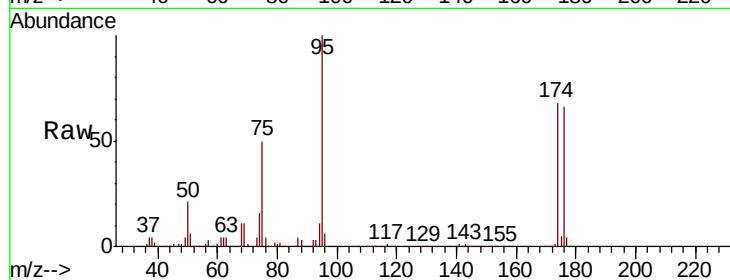
Tot Ion: 95 Resp: 1330850

Ion Ratio Lower Upper

95 100

174 74.3 56.2 84.4

175 5.3 4.2 6.2



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

