

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030822\
 Data File : VL038565.D
 Acq On : 9 Mar 2022 1:27
 Operator : SY/AP
 Sample : CAN 10609
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 09 07:37:24 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	817410	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2032386	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	1764196	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1375074	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

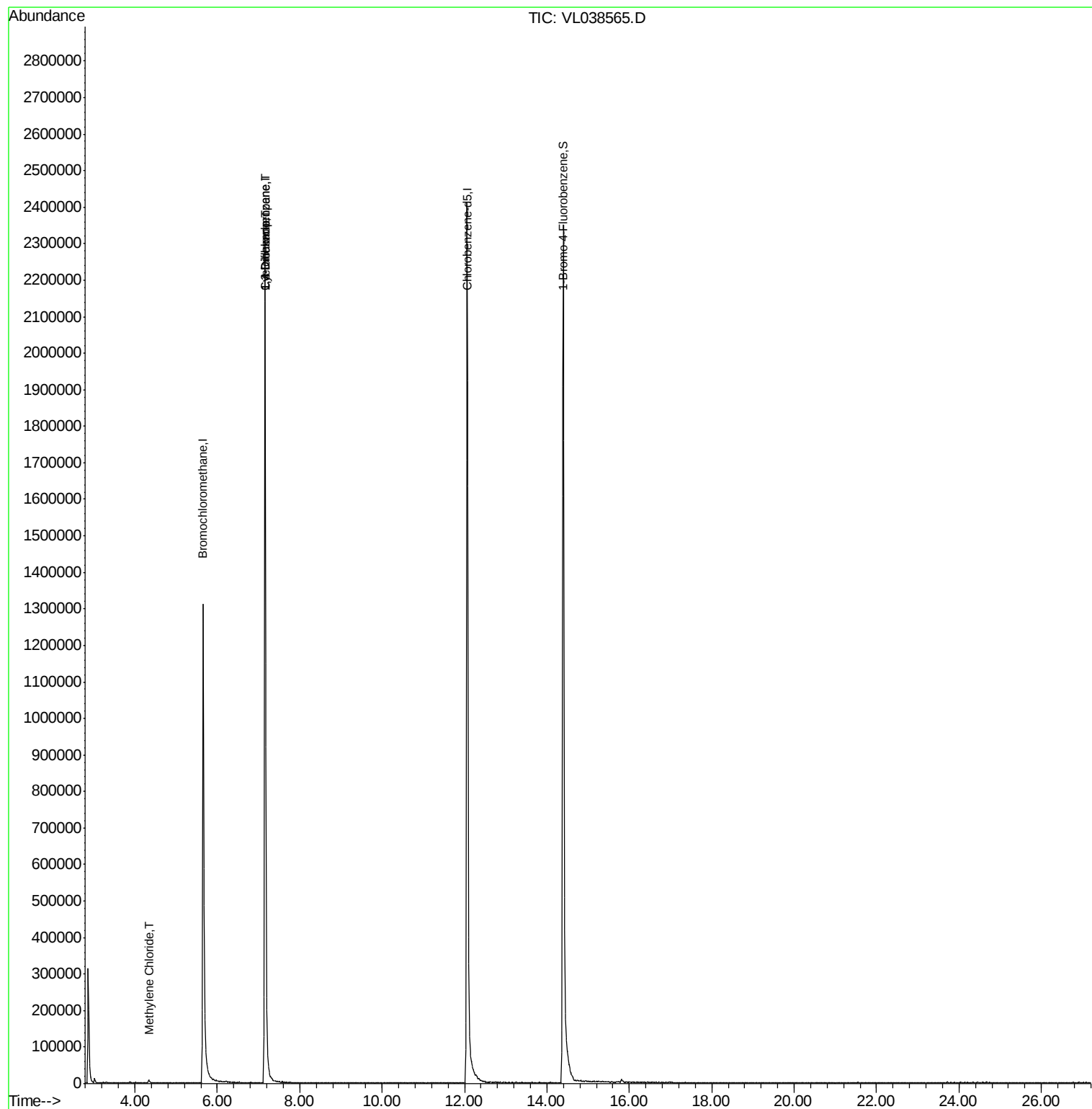
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.33	84	2309	0.067	ppbv #	87
30) Cyclohexane	7.15	84	4399	0.056	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	484289	6.866	ppbv #	27

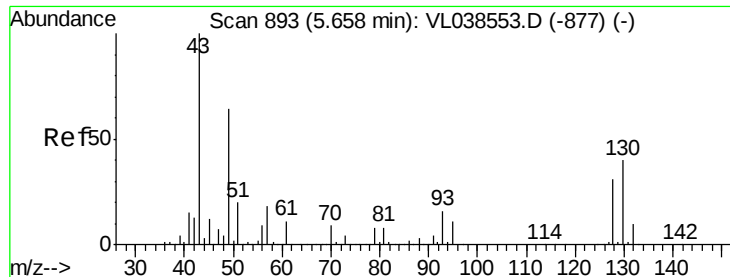
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 1:27

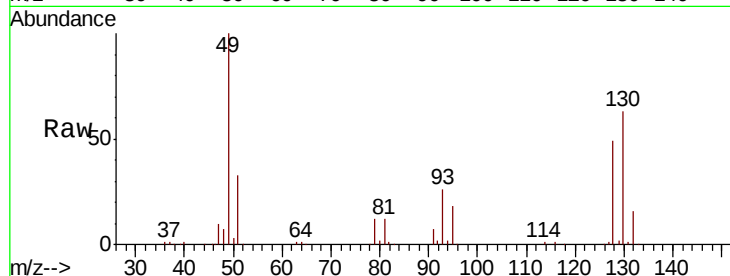
Tot Ion: 49 Resp: 817410

Ion Ratio Lower Upper

49 100

128 52.2 26.4 79.2

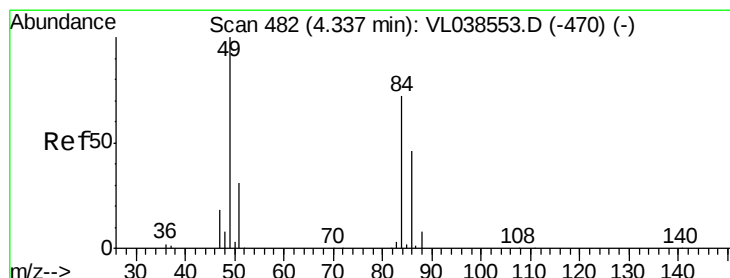
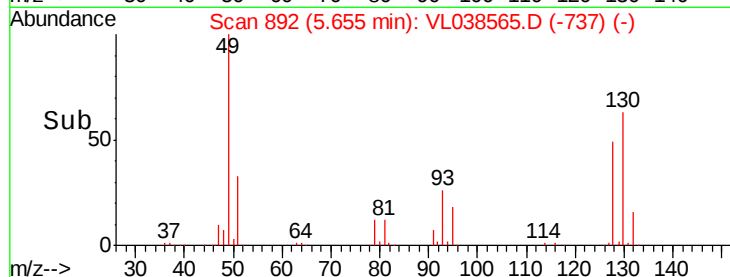
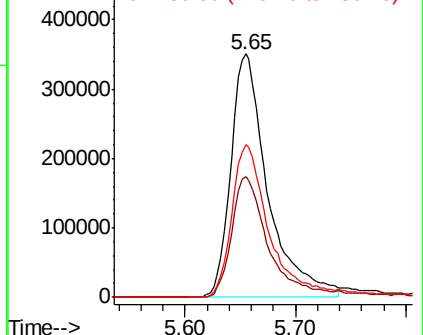
130 67.5 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#20

Methylene Chloride

Concen: 0.067 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL038565.D

Acq: 9 Mar 2022 1:27

Tgt Ion: 84 Resp: 2309

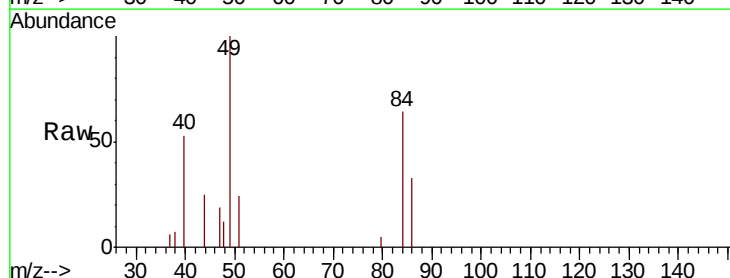
Ion Ratio Lower Upper

84 100

49 155.2 111.1 166.7

51 37.9 34.0 51.0

86 50.6 50.9 76.3#

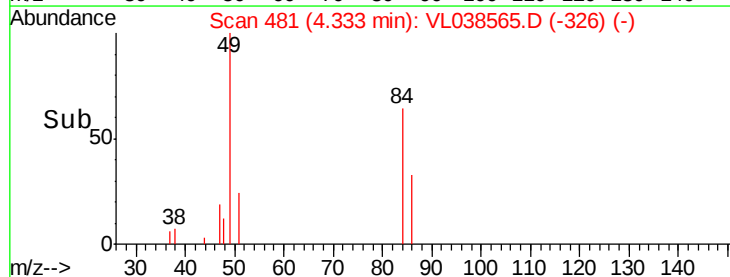
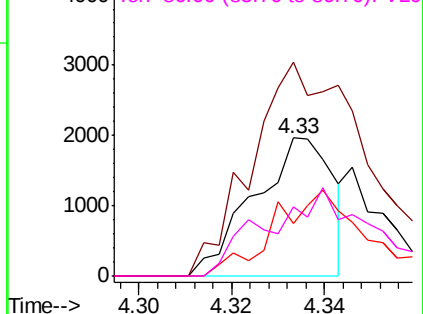


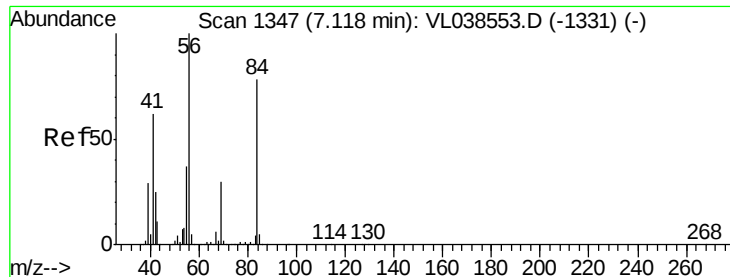
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

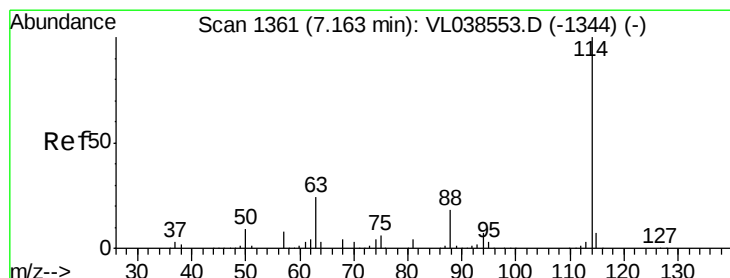
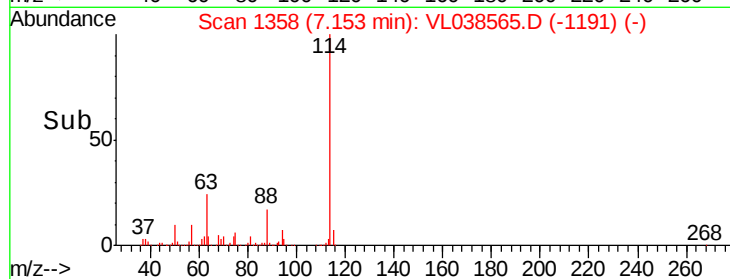
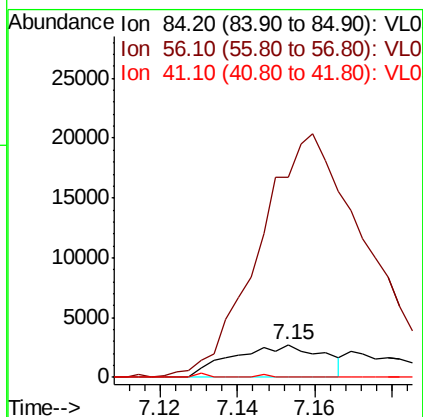
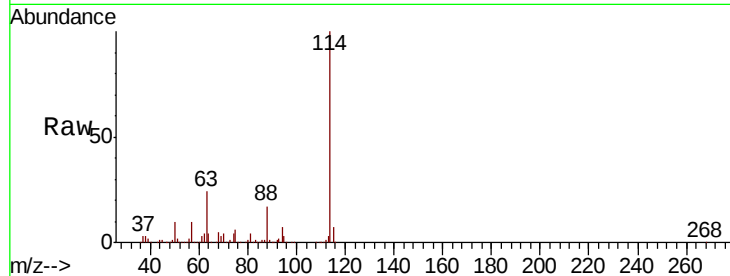
Ion 86.00 (85.70 to 86.70): VL0





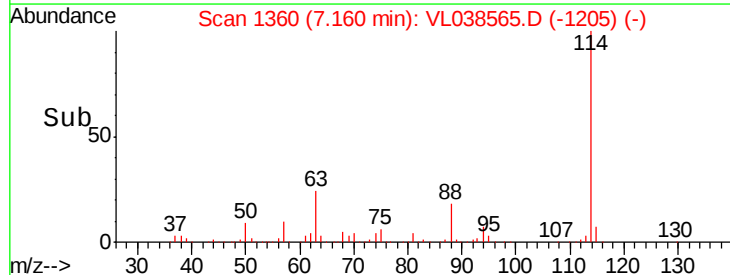
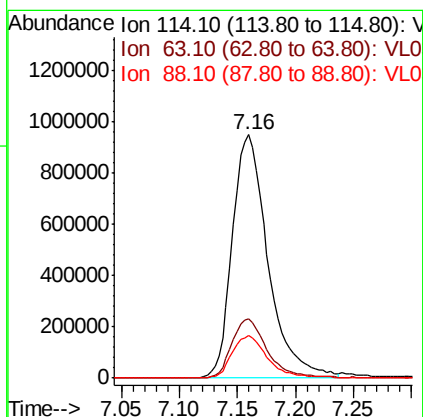
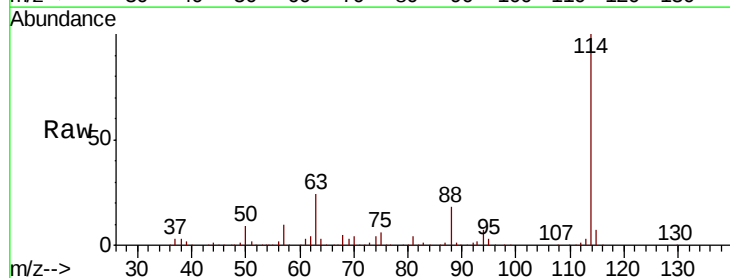
#30
Cvclohexane
Concen: 0.056 ppbv
RT: 7.15 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 1:27

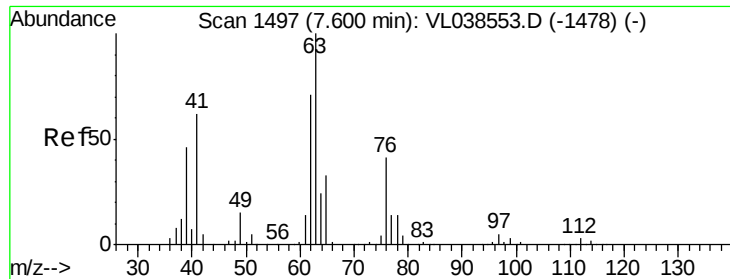
Tot Ion: 84 Resp: 4399
Ion Ratio Lower Upper
84 100
56 998.3 111.4 167.0#
41 0.0 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VL038565.D
Acq: 9 Mar 2022 1:27

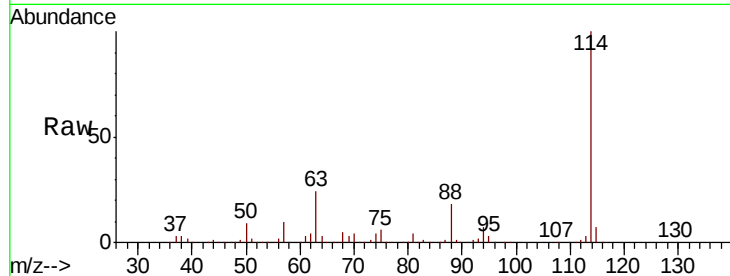
Tgt Ion: 114 Resp: 2032386
Ion Ratio Lower Upper
114 100
63 24.6 19.6 29.4
88 17.7 13.9 20.9





#39
 1,2-Dichloropropane
 Concen: 6.866 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 1:27

Tot Ion	63	Resp	484289
Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	15.6	56.7	85.1#

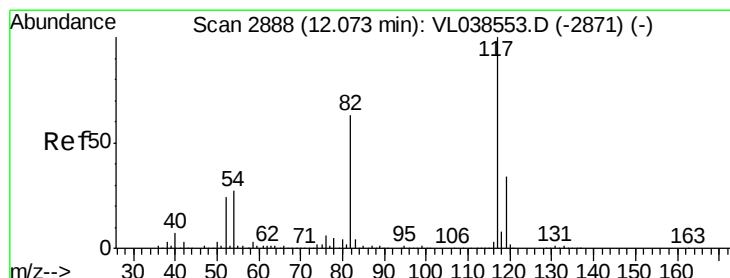
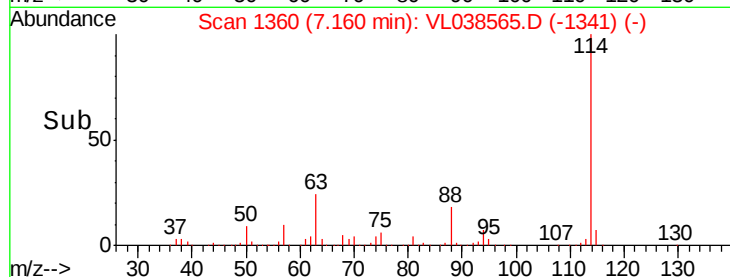
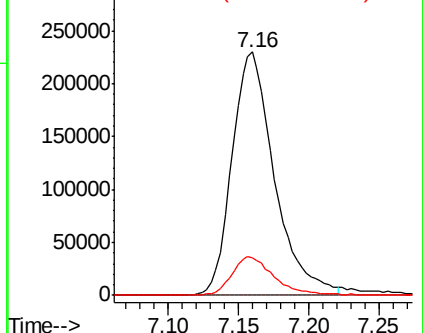


Abundance

Ion 63.10 (62.80 to 63.80): VL0

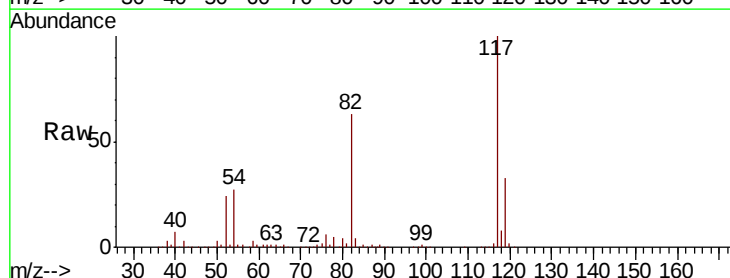
Ion 41.10 (40.80 to 41.80): VL0

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: VL038565.D
 Acq: 9 Mar 2022 1:27

Tgt Ion	117	Resp	1764196
Ion	Ratio	Lower	Upper
117	100		
82	67.7	52.5	78.7
119	34.7	46.4	69.6#

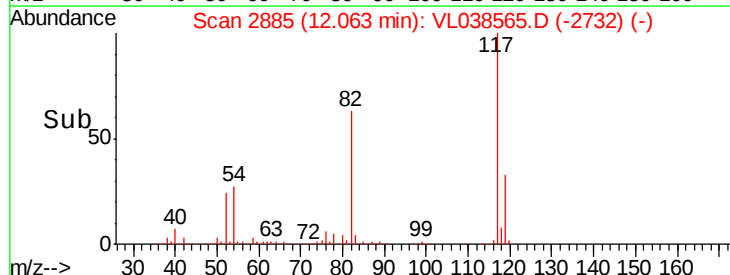
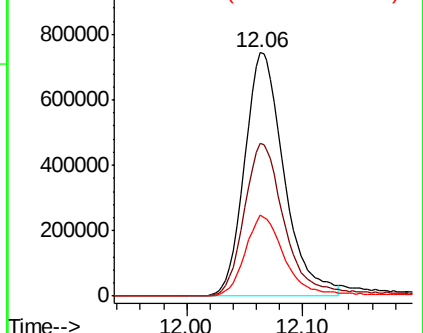


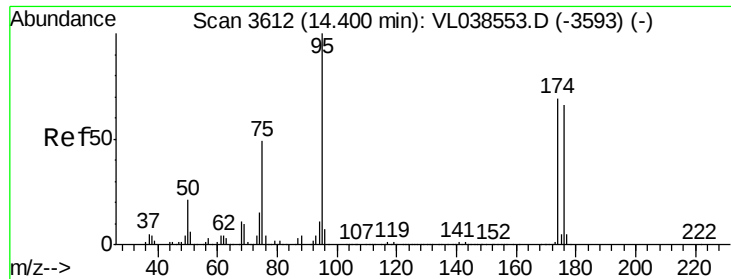
Abundance

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: 10.252 ppbv

RT: 14.40 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 1.27

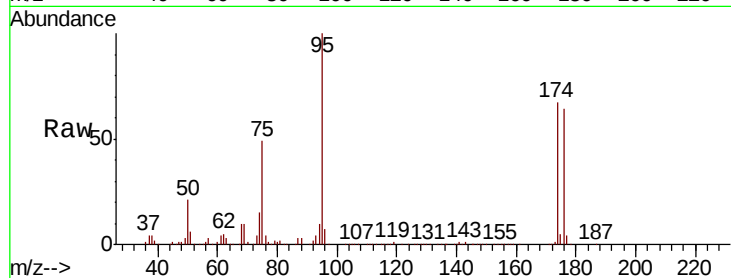
Tot Ion: 95 Resp: 1375074

Ion Ratio Lower Upper

95 100

174 70.5 56.2 84.4

175 5.0 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

