

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041222\
 Data File : VL038890.D
 Acq On : 12 Apr 2022 13:52
 Operator : SY/AP
 Sample : VL0412ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABL01

Quant Time: Apr 13 01:15:51 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1137556	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3095671	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2695713	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2082007	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

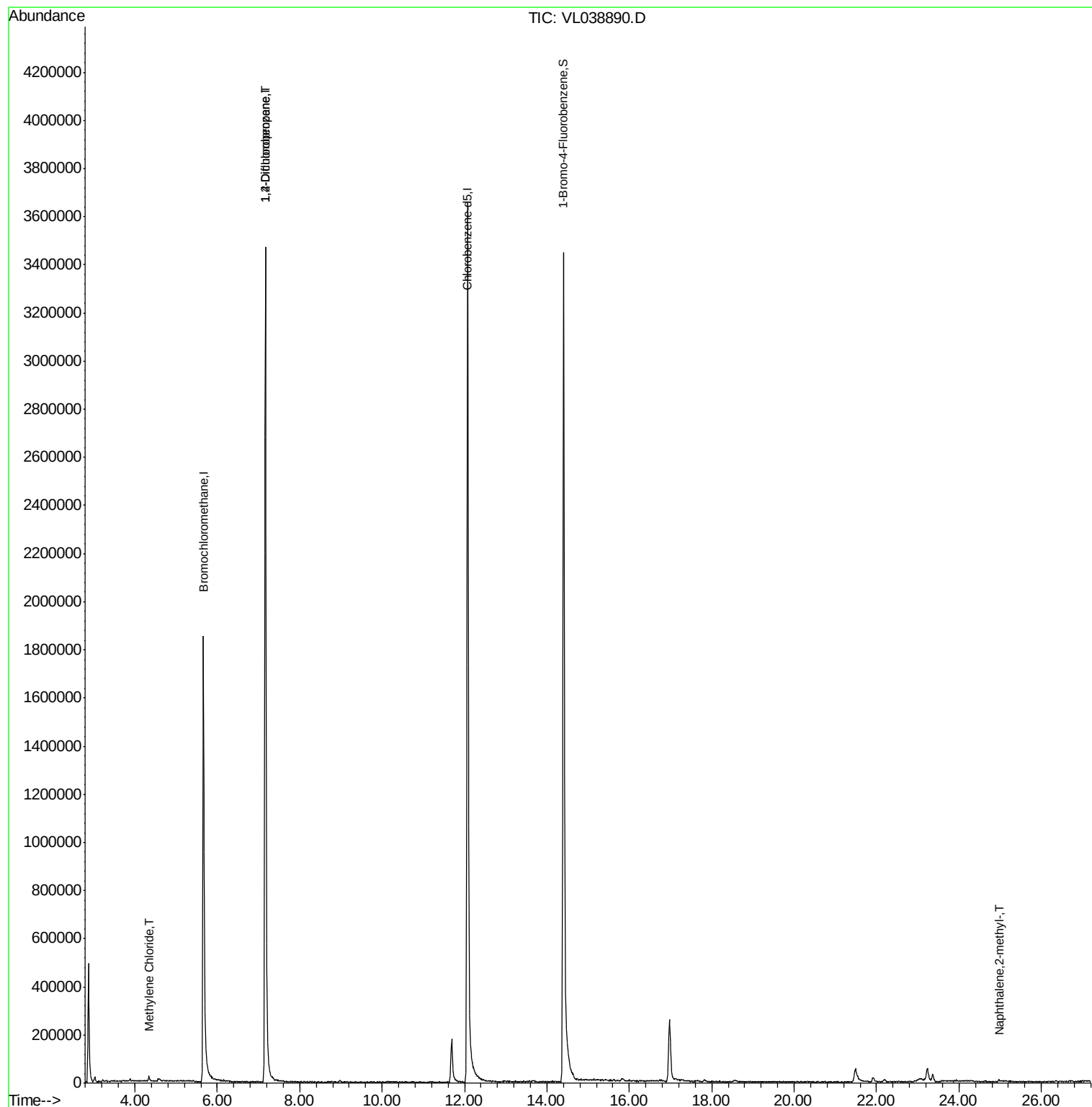
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.34	84	4514	0.110	ppbv	90
39) 1,2-Dichloropropane	7.17	63	769739	7.146	ppbv #	26
80) Naphthalene,2-methyl-	24.98	142	2539	0.038	ppbv #	1

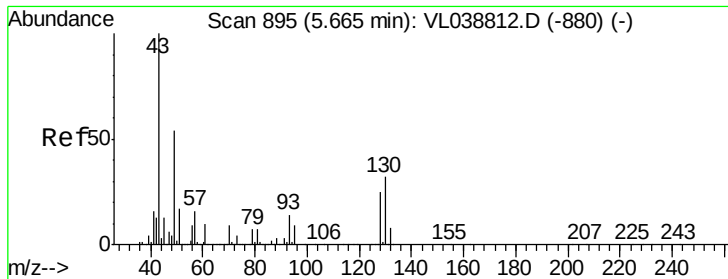
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 13 01:15:51 2022
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QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0412ABL01

Acq: 12 Apr 2022 13:52

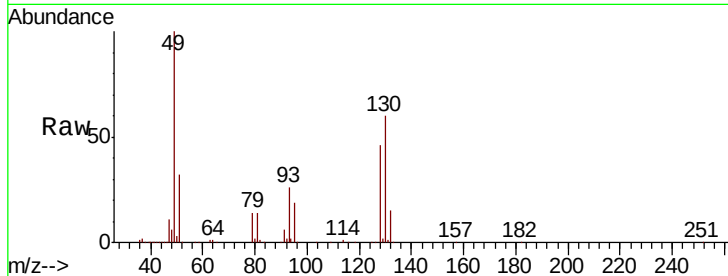
Tot Ion: 49 Resp: 1137556

Ion Ratio Lower Upper

49 100

128 50.5 24.1 72.3

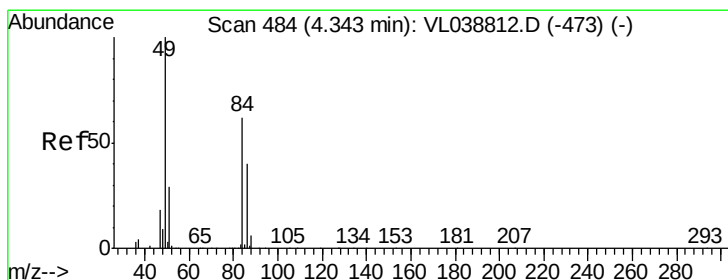
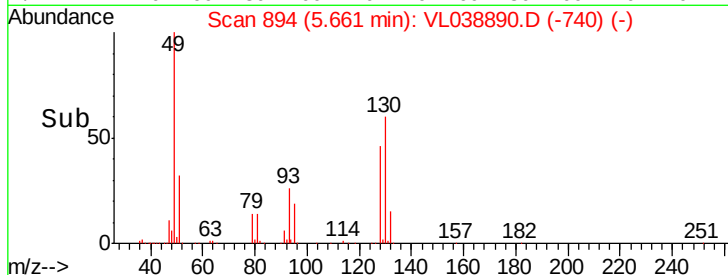
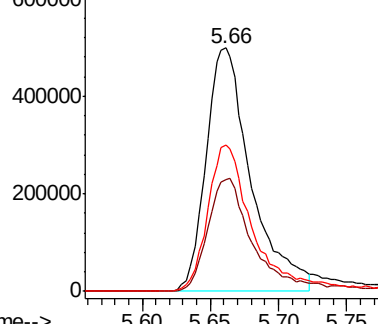
130 63.4 30.9 92.8



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: 0.110 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL038890.D

Acq: 12 Apr 2022 13:52

Tgt Ion: 84 Resp: 4514

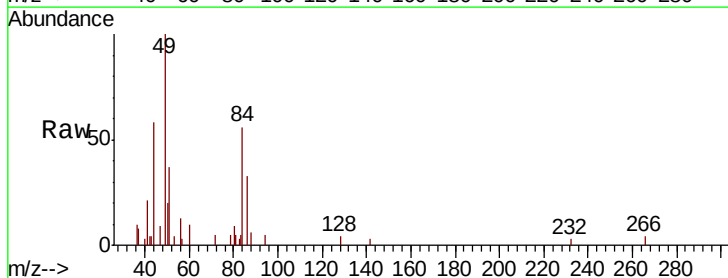
Ion Ratio Lower Upper

84 100

49 174.6 129.4 194.0

51 43.9 37.4 56.2

86 54.1 51.4 77.2

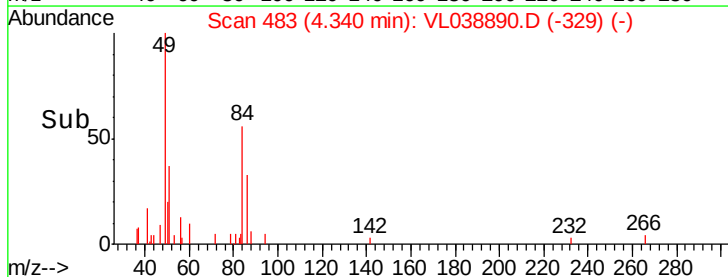
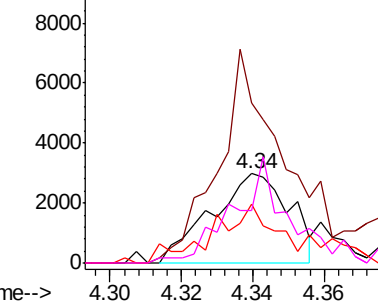


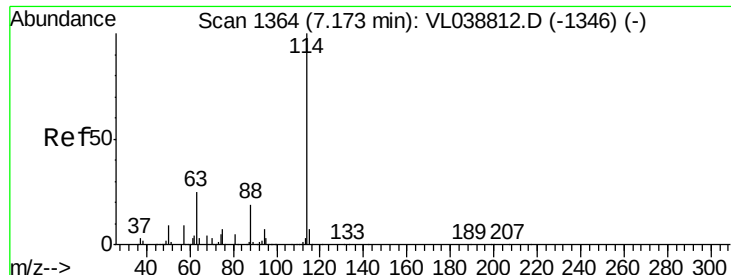
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

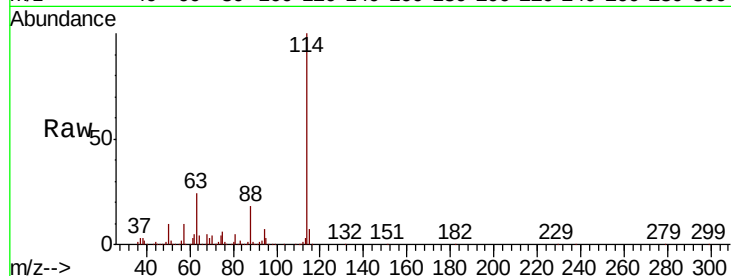




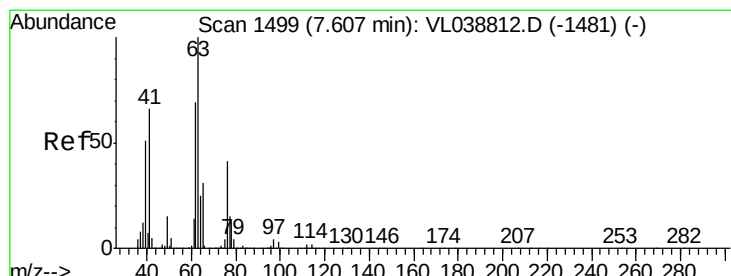
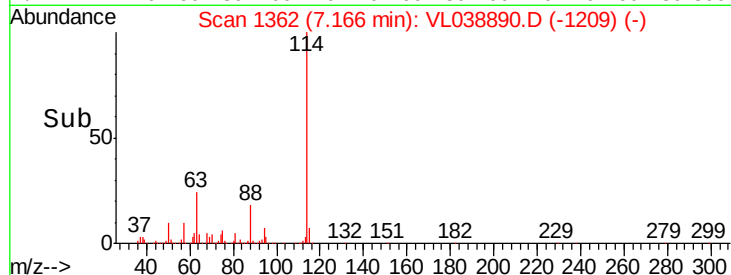
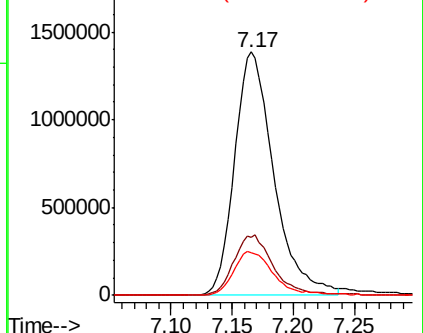
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0412ABL01
 Acq: 12 Apr 2022 13:52

Tot Ion: 114 Resp: 3095671

Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.8	29.8
88	18.6	14.2	21.4



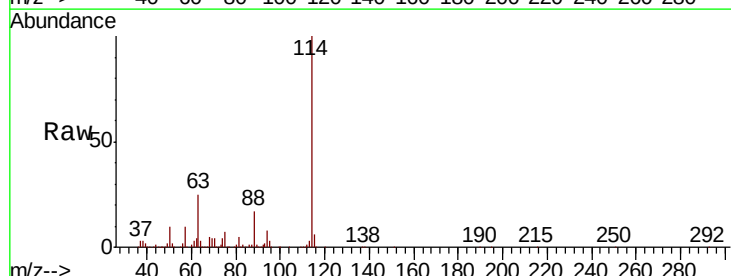
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



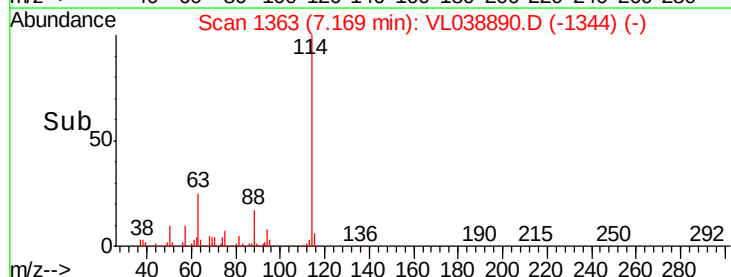
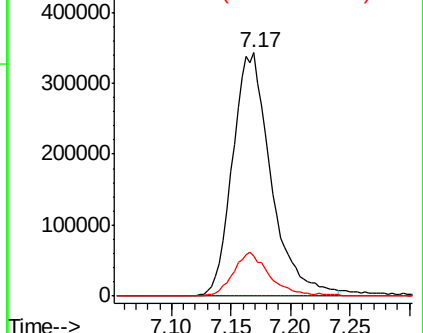
#39
 1,2-Dichloropropane
 Concen: 7.146 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.44 min
 Lab File: VL038890.D
 Acq: 12 Apr 2022 13:52

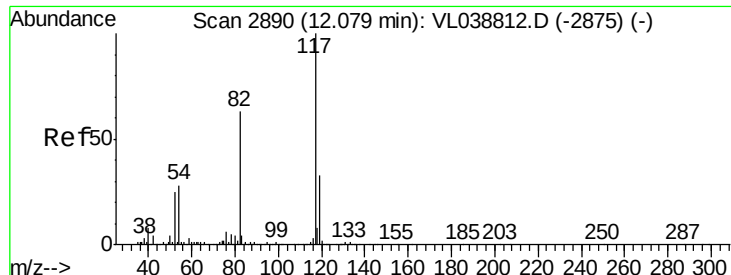
Tgt Ion: 63 Resp: 769739

Ion	Ratio	Lower	Upper
63	100		
41	0.1	53.0	79.6#
62	16.4	55.0	82.4#



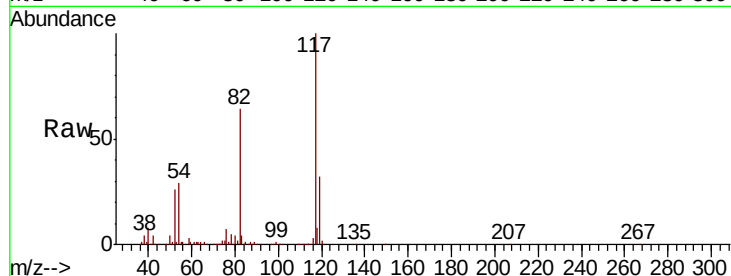
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0



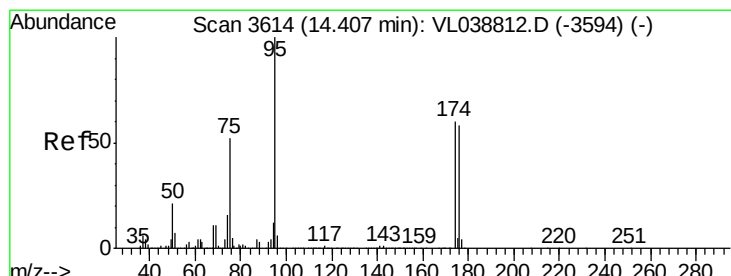
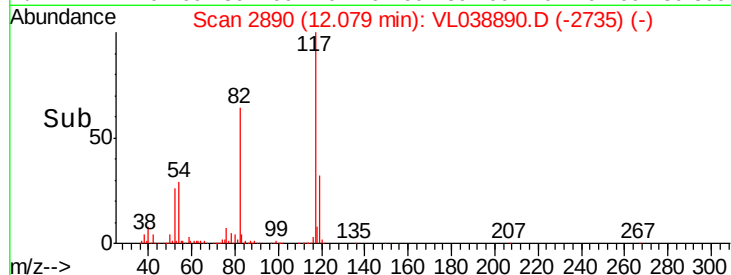
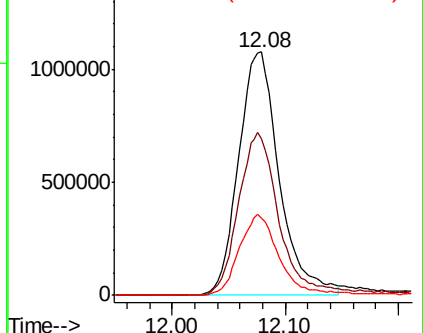


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0412ABL01
Acq: 12 Apr 2022 13:52

Tot Ion:117 Resp: 2695713
Ion Ratio Lower Upper
117 100
82 68.8 53.0 79.6
119 33.6 24.9 37.3

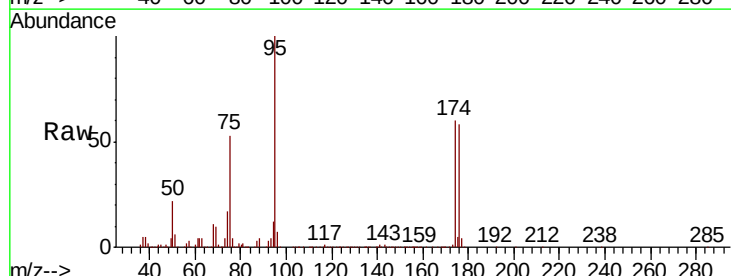


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

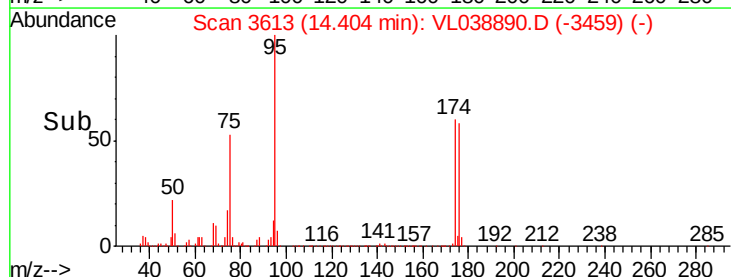
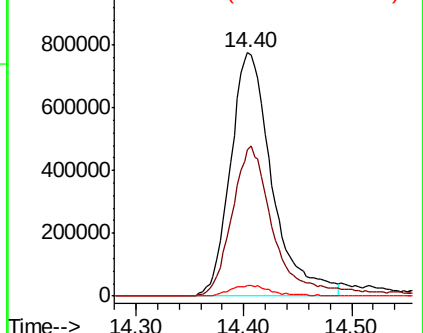


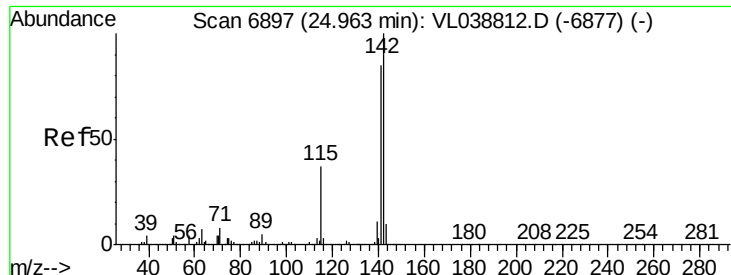
#68
1-Bromo-4-Fluorobenzene
Concen: 10.182 ppbv
RT: 14.40 min Scan# 3613
Delta R.T.: -0.00 min
Lab File: VL038890.D
Acq: 12 Apr 2022 13:52

Tgt Ion: 95 Resp: 2082007
Ion Ratio Lower Upper
95 100
174 64.5 52.0 78.0
175 4.7 4.0 6.0



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





#80

Naphthalene, 2-methyl-

Concen: 0.038 ppbv

RT: 24.98

Delta R.T: MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Apr 2022 15:52

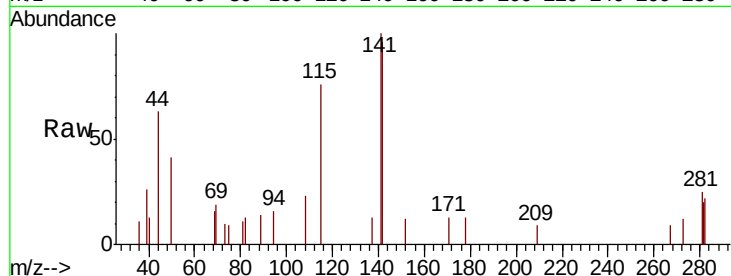
Tot Ion: 142 Resp: 2539

Ion Ratio Lower Upper

142 100

141 209.7 68.8 103.2#

115 91.8 31.6 47.4#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

