

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061721\
 Data File : VL037198.D
 Acq On : 17 Jun 2021 12:48
 Operator : SY/AP
 Sample : OC061621 CAN 10285
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC061621 CAN 10285

Quant Time: Jun 18 01:21:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1411214	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4181037	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3495642	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2547129	9.62	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

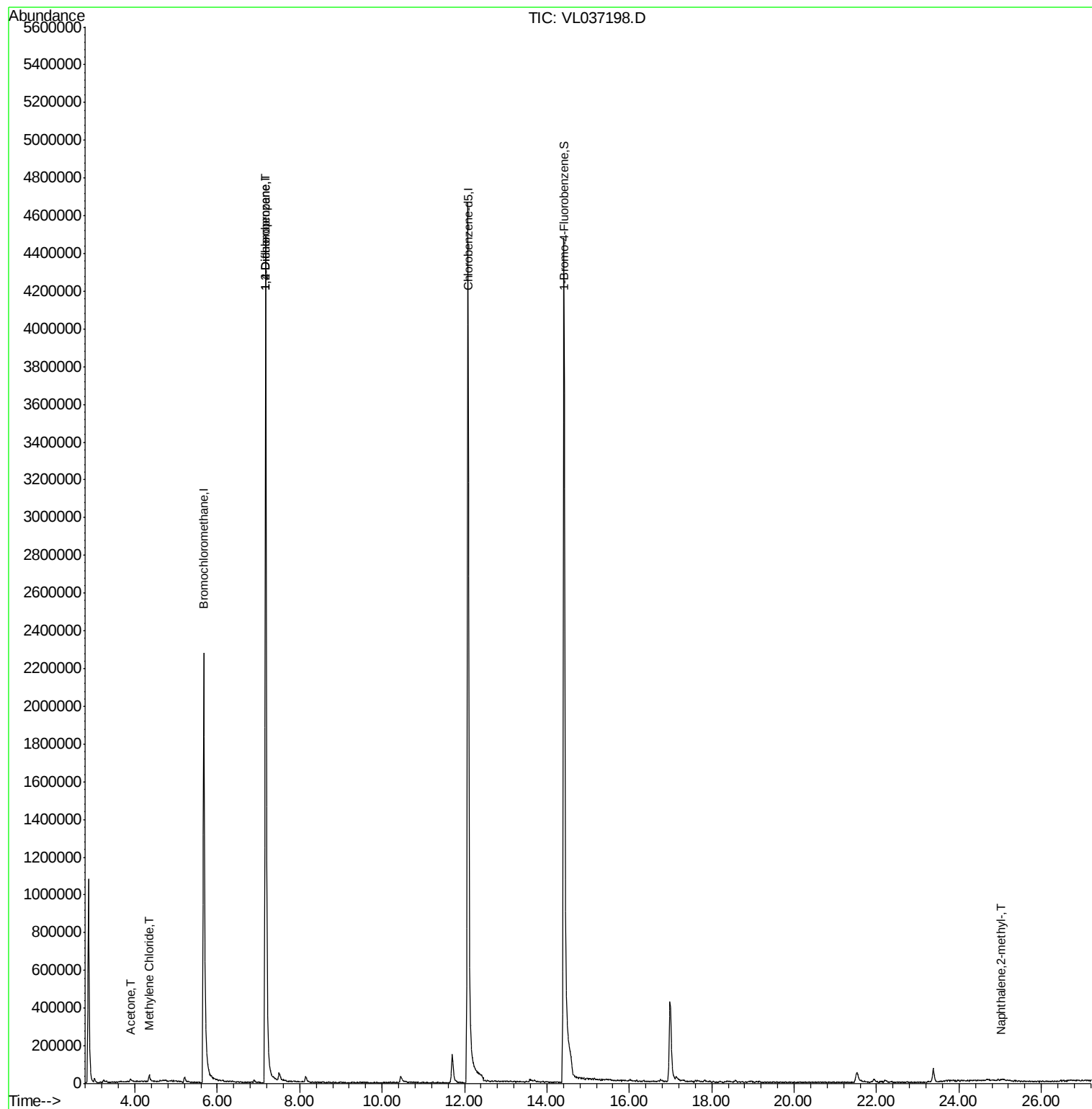
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.89	43	13811	0.087	ppbv #	45
20) Methylene Chloride	4.34	84	10226	0.107	ppbv #	89
39) 1,2-Dichloropropane	7.17	63	998536	7.948	ppbv #	23
80) Naphthalene,2-methyl-	25.03	142	7632	0.079	ppbv #	66

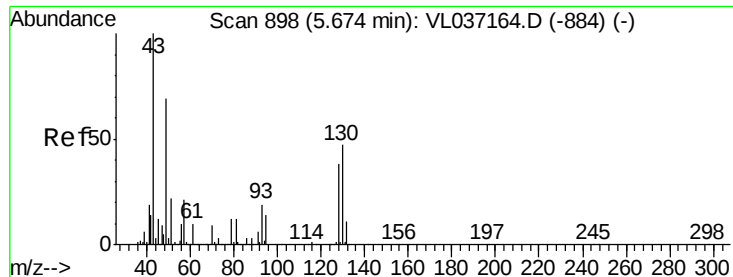
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037198.D

Acq: 17 Jun 2021 12:48

Instrument :

MSVOA_L

ClientSampleId :

QC061621 CAN 10285

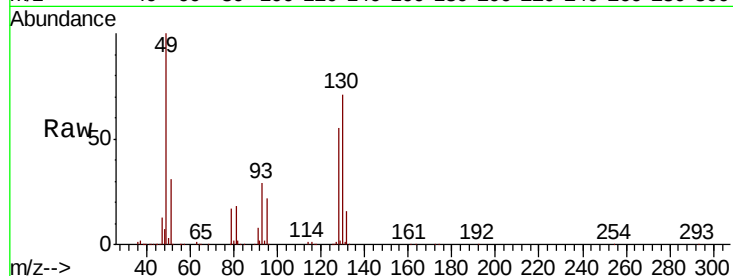
Tot Ion: 49 Resp: 1411214

Ion Ratio Lower Upper

49 100

128 57.7 29.3 88.0

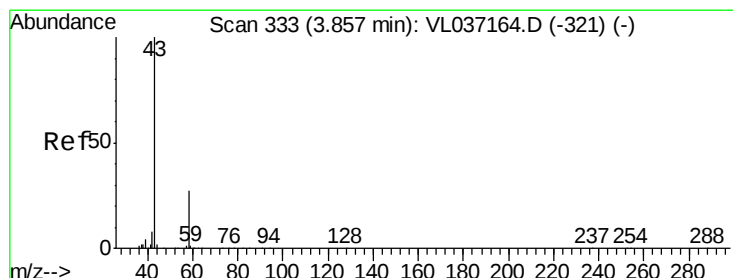
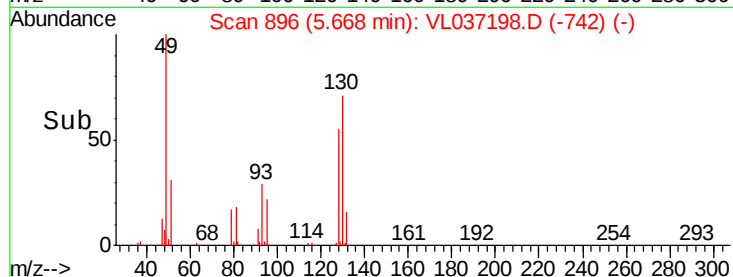
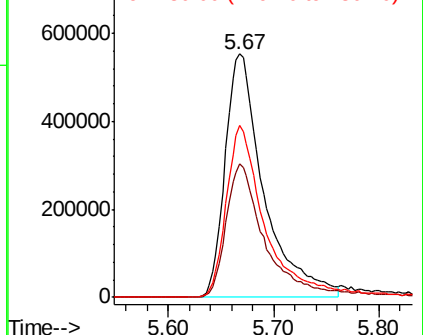
130 72.4 35.9 107.8



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



#15

Acetone

Concen: 0.087 ppbv

RT: 3.89 min Scan# 342

Delta R.T. 0.03 min

Lab File: VL037198.D

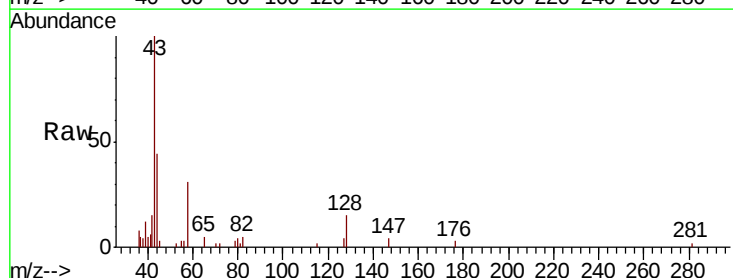
Acq: 17 Jun 2021 12:48

Tgt Ion: 43 Resp: 13811

Ion Ratio Lower Upper

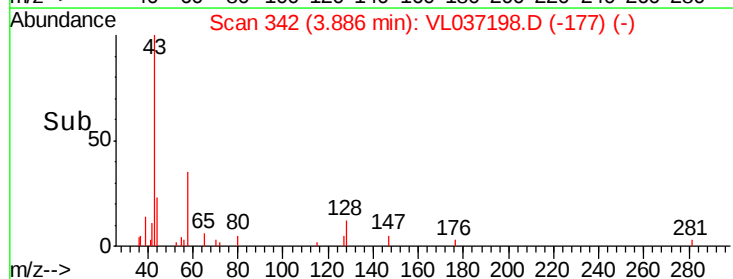
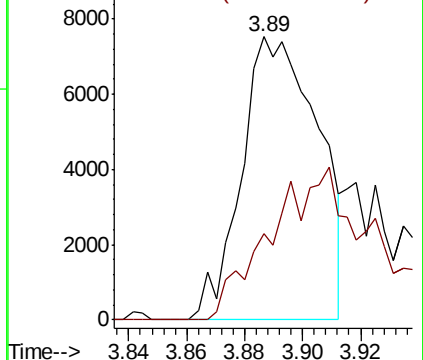
43 100

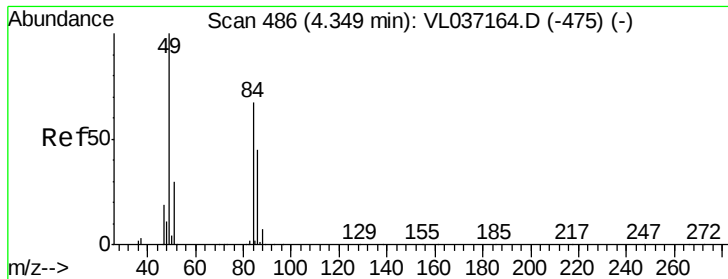
58 0.0 23.7 35.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.107 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037198.D

Acq: 17 Jun 2021 12:48

Instrument :

MSVOA_L

ClientSampleId :

QC061621 CAN 10285

Tot Ion: 84 Resp: 10226

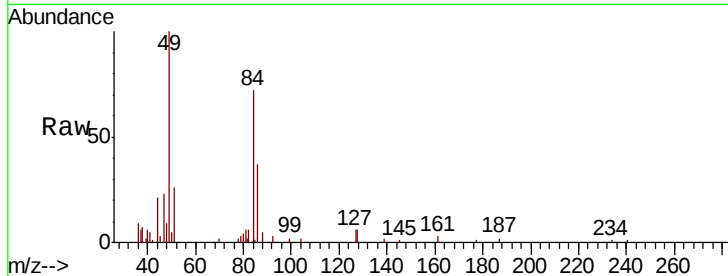
Ion Ratio Lower Upper

84 100

49 140.3 119.7 179.5

51 28.8 36.1 54.1#

86 59.9 53.7 80.5

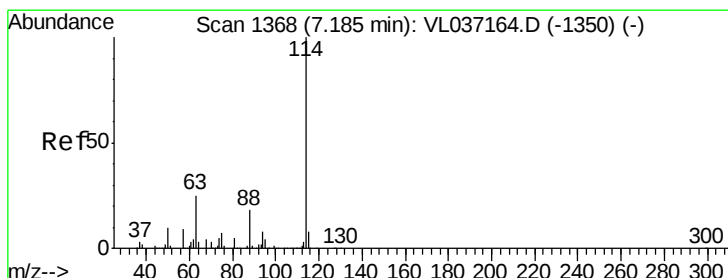
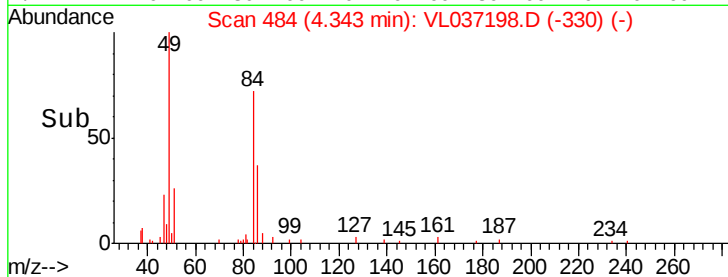
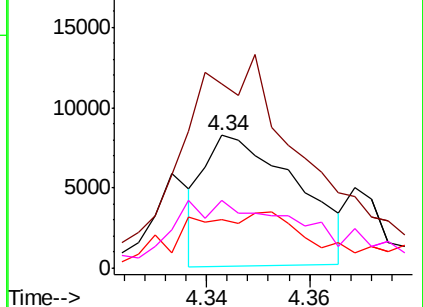


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL037198.D

Acq: 17 Jun 2021 12:48

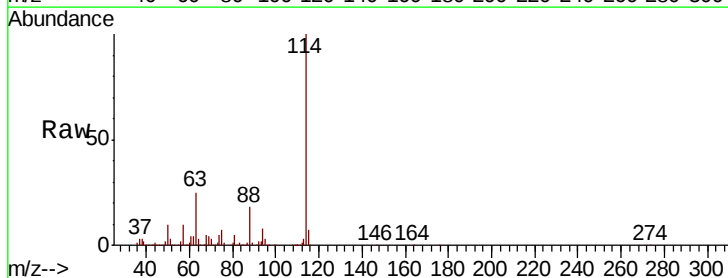
Tgt Ion: 114 Resp: 4181037

Ion Ratio Lower Upper

114 100

63 24.6 19.6 29.4

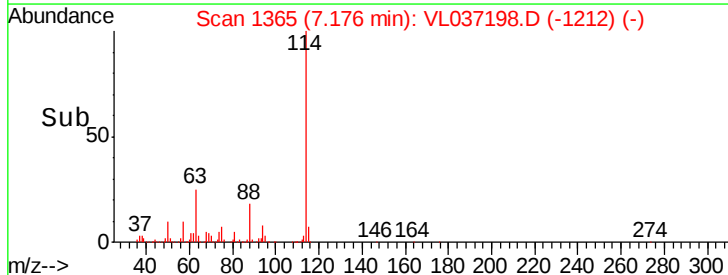
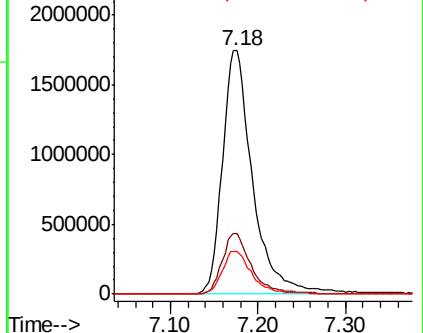
88 17.9 14.2 21.2

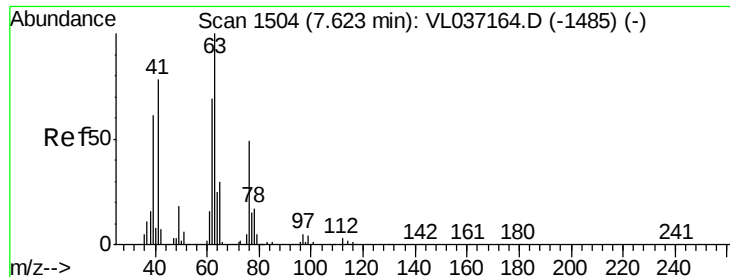


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 7.948 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL037198.D

Acq: 17 Jun 2021 12:48

Instrument :

MSVOA_L

ClientSampleId :

QC061621 CAN 10285

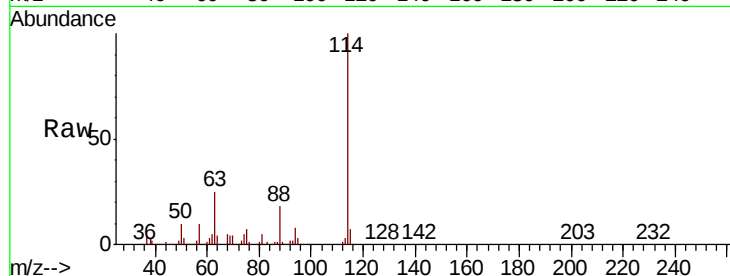
Tot Ion: 63 Resp: 998536

Ion Ratio Lower Upper

63 100

41 0.1 62.0 93.0#

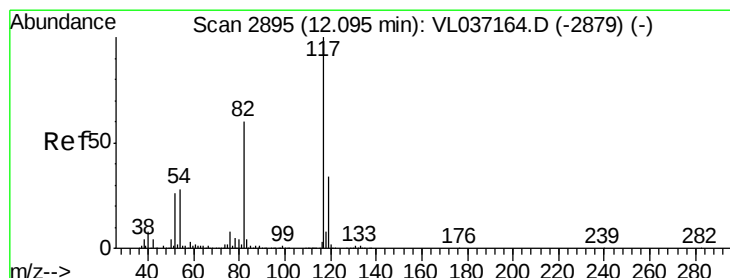
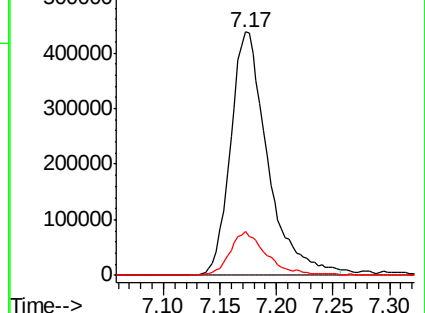
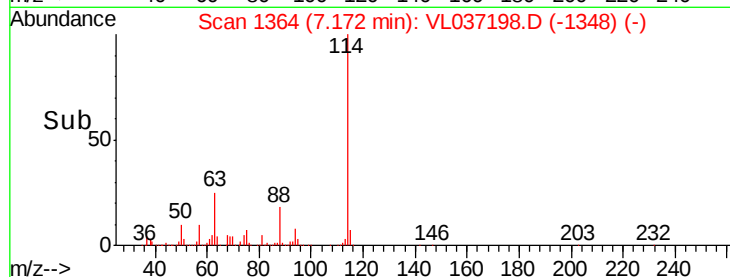
62 18.1 54.9 82.3#



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# 2892

Delta R.T. -0.01 min

Lab File: VL037198.D

Acq: 17 Jun 2021 12:48

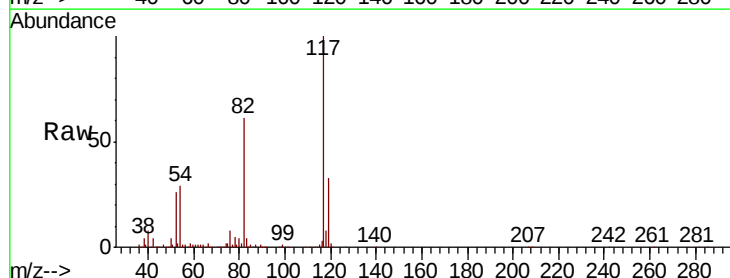
Tgt Ion: 117 Resp: 3495642

Ion Ratio Lower Upper

117 100

82 66.1 51.7 77.5

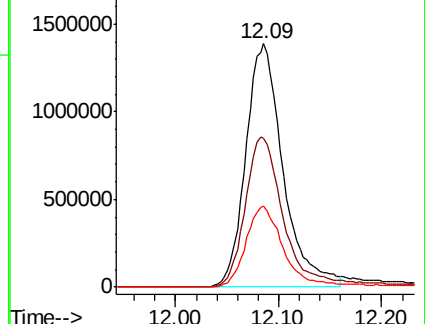
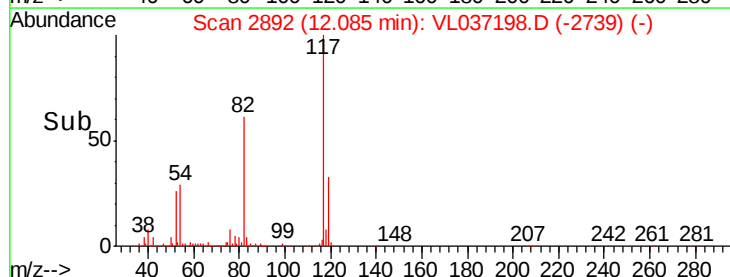
119 34.6 47.6 71.4#

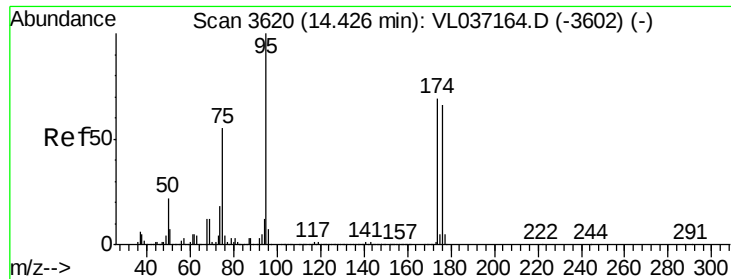


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.616 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL037198.D

Acq: 17 Jun 2021 12:48

Instrument :

MSVOA_L

ClientSampleId :

QC061621 CAN 10285

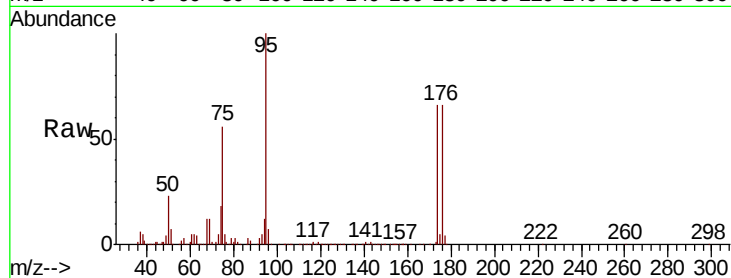
Tot Ion: 95 Resp: 2547129

Ion Ratio Lower Upper

95 100

174 76.9 57.0 85.4

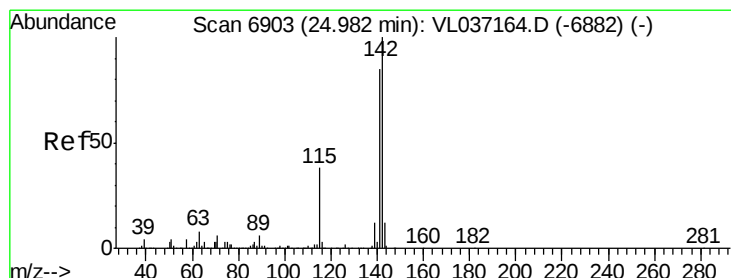
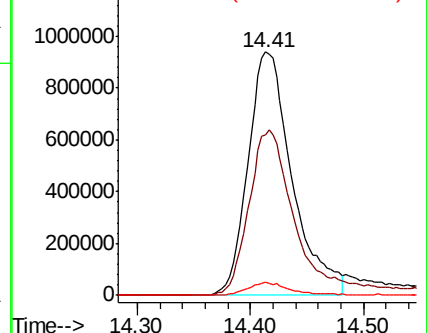
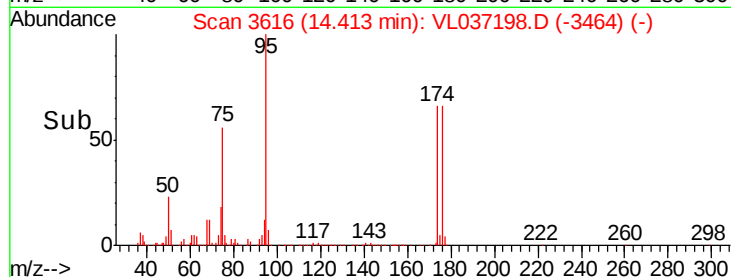
175 5.2 4.4 6.6



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: 0.079 ppbv

RT: 25.03 min Scan# 6919

Delta R.T. 0.05 min

Lab File: VL037198.D

Acq: 17 Jun 2021 12:48

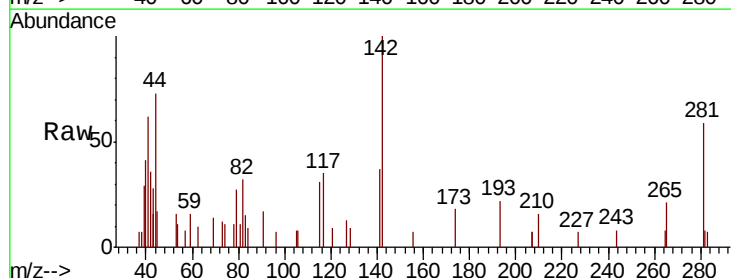
Tgt Ion: 142 Resp: 7632

Ion Ratio Lower Upper

142 100

141 37.7 63.7 95.5#

115 41.8 30.6 45.8



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

