

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036682.D
 Acq On : 5 Apr 2021 21:17
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 06 02:01:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1302414	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3340399	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2837673	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2340747	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

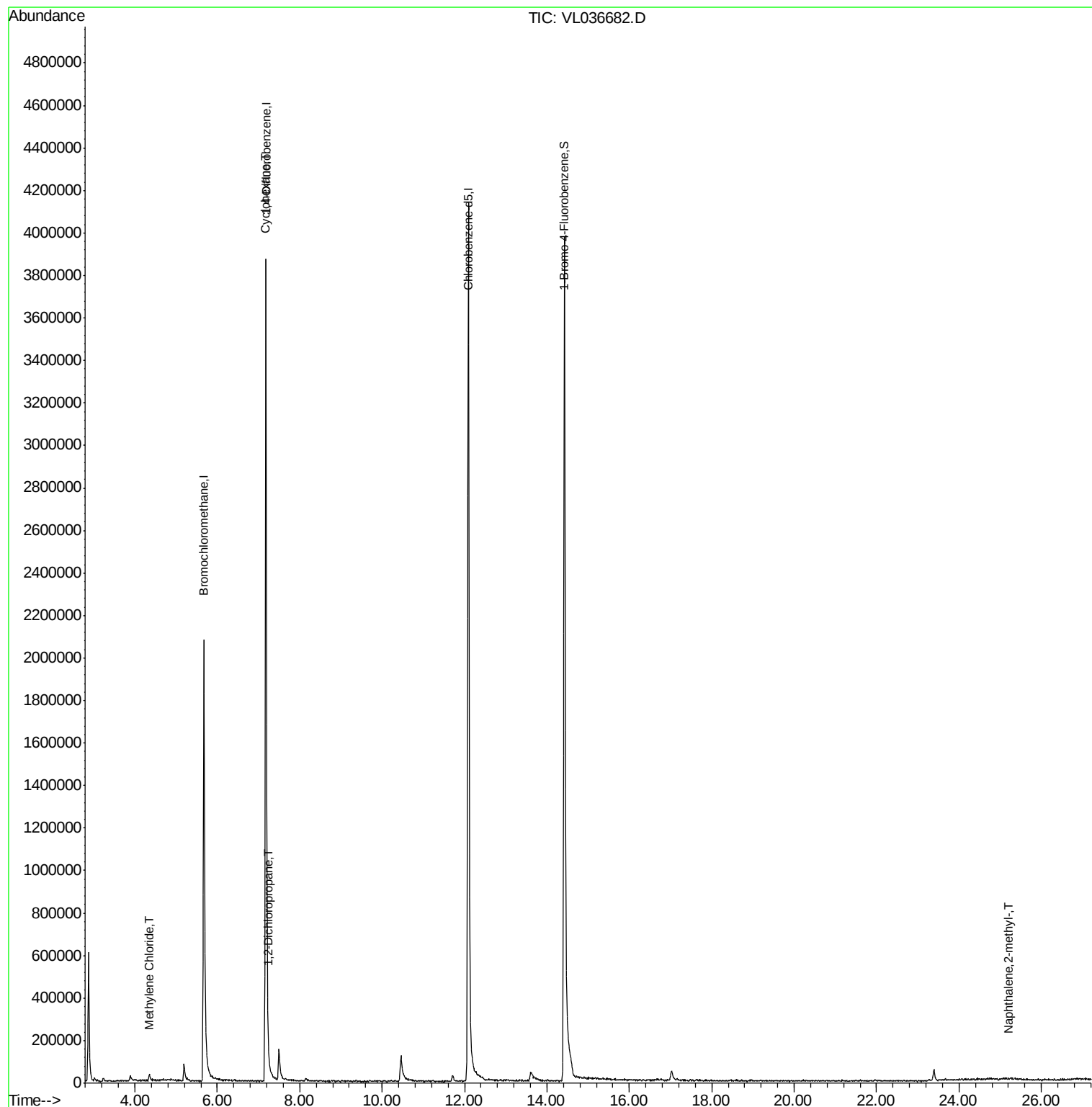
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.34	84	2435	0.041	ppbv	93
30) Cyclohexane	7.17	84	4151	0.036	ppbv #	2
39) 1,2-Dichloropropane	7.23	63	12664	0.101	ppbv #	21
80) Naphthalene,2-methyl-	25.19	142	1868	0.043	ppbv	87

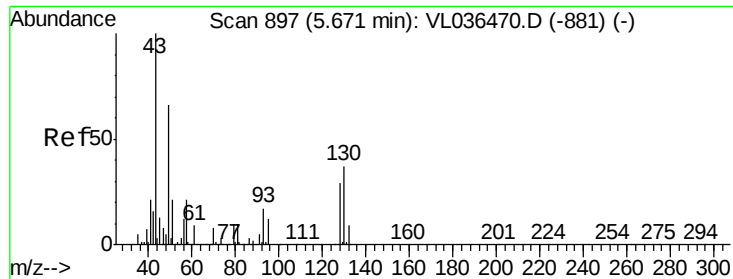
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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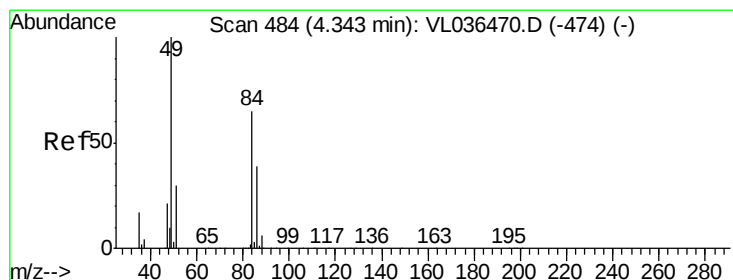
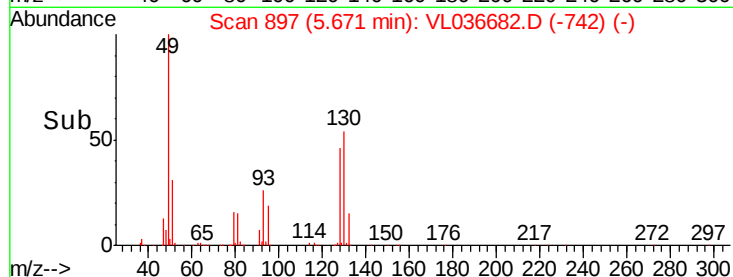
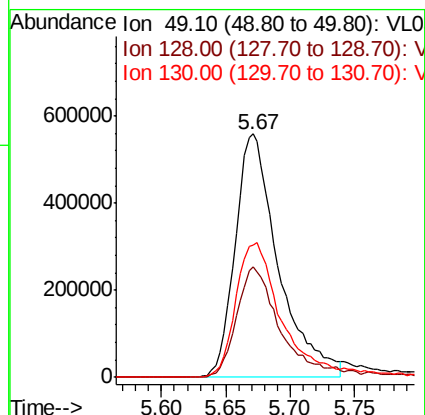
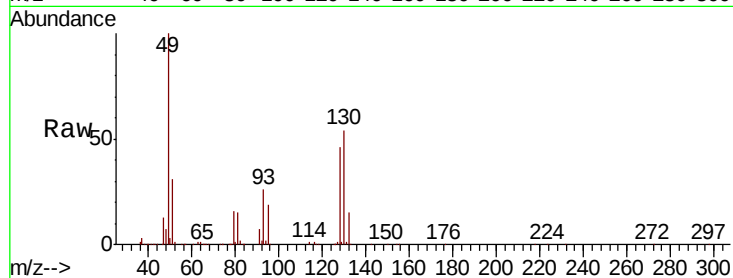




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: VL036682.D
 Acq: 5 Apr 2021 21:17

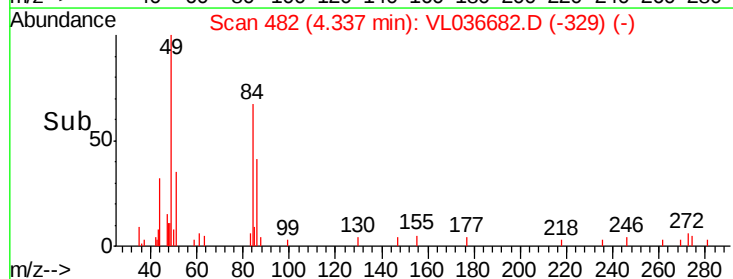
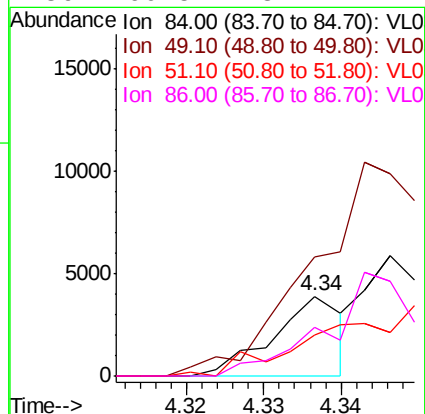
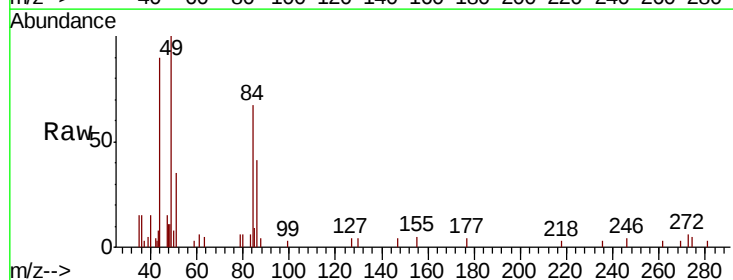
Instrument :
 MSVOA_L
 ClientSampleId :

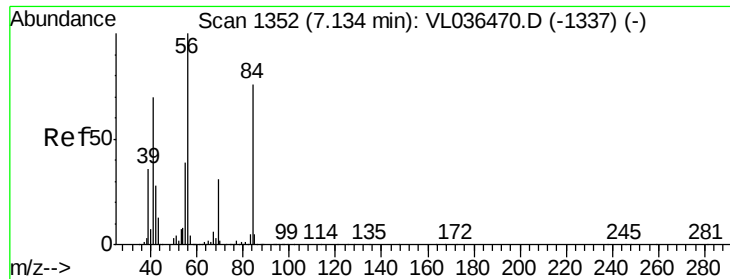
Tot Ion: 49 Resp: 1302414
 Ion Ratio Lower Upper
 49 100
 128 48.8 23.5 70.6
 130 60.9 29.1 87.4



#20
 Methylene Chloride
 Concen: 0.041 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. -0.01 min
 Lab File: VL036682.D
 Acq: 5 Apr 2021 21:17

Tgt Ion: 84 Resp: 2435
 Ion Ratio Lower Upper
 84 100
 49 137.8 122.9 184.3
 51 46.1 36.9 55.3
 86 60.5 48.2 72.4

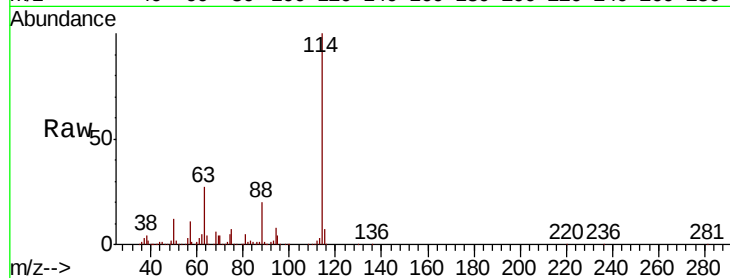




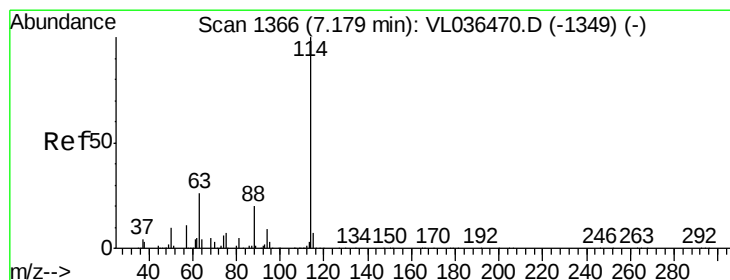
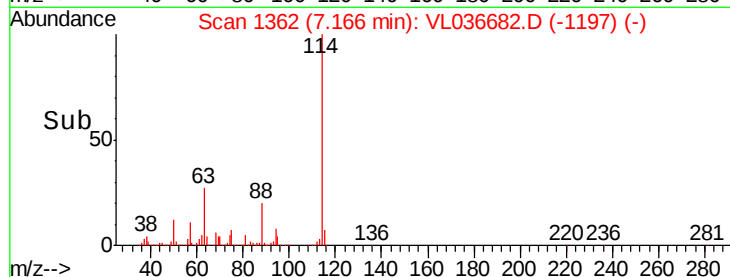
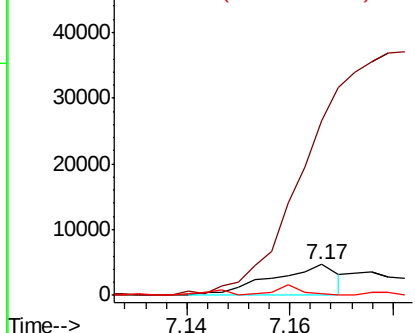
#30
Cvclohexane
Concen: 0.036 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.03 min
Lab File: VL036682.D
Acq: 5 Apr 2021 21:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 4151
Ion Ratio Lower Upper
84 100
56 0.0 114.6 171.8#
41 27.0 75.3 112.9#

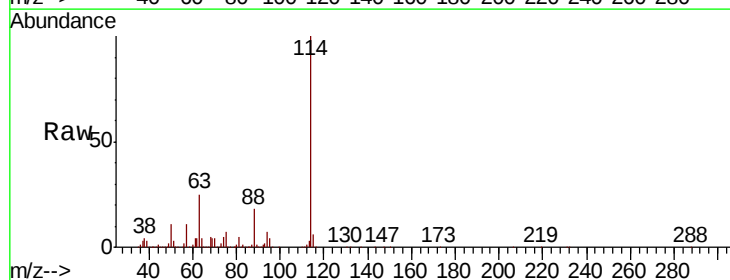


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

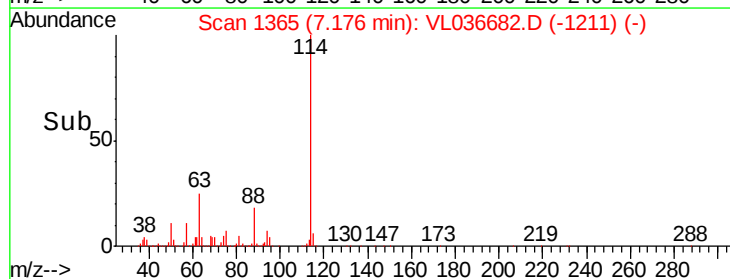
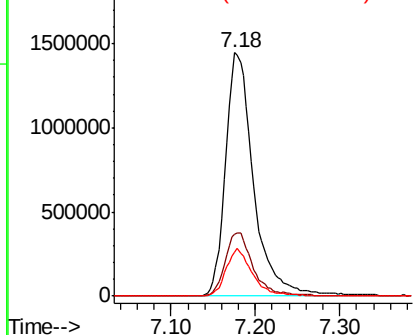


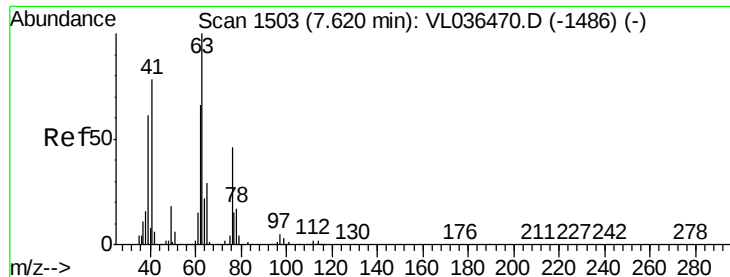
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036682.D
Acq: 5 Apr 2021 21:17

Tgt Ion:114 Resp: 3340399
Ion Ratio Lower Upper
114 100
63 26.2 22.4 33.6
88 18.5 15.4 23.0



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: 0.101 ppbv

RT: 7.23 min Scan# 1383

Delta R.T. -0.39 min

Lab File: VL036682.D

Acq: 5 Apr 2021 21:17

Instrument :

MSVOA_L

ClientSampled :

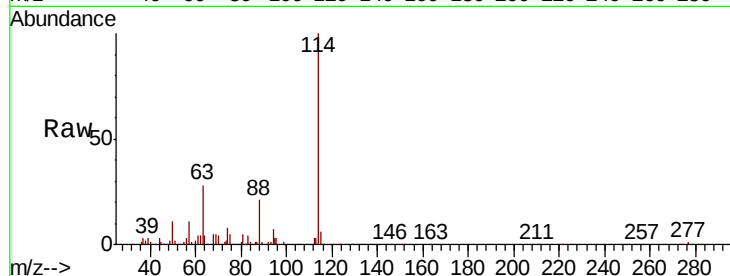
Tot Ion: 63 Resp: 12664

Ion Ratio Lower Upper

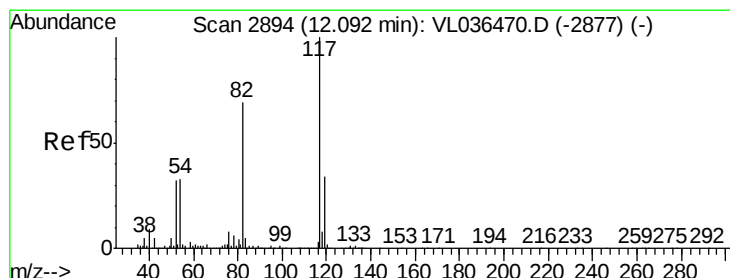
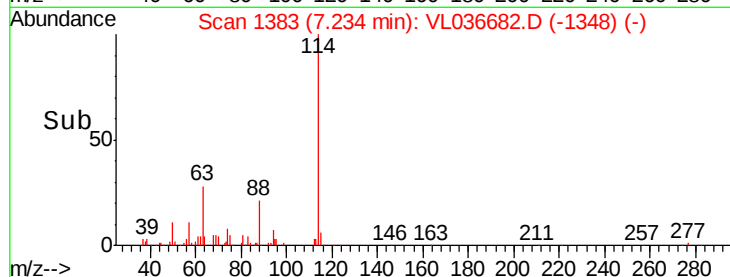
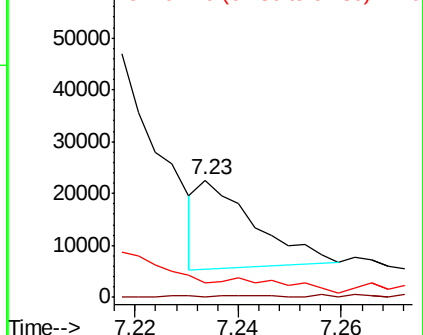
63 100

41 0.0 62.4 93.6#

62 13.9 52.8 79.2#



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: 12.10 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL036682.D

Acq: 5 Apr 2021 21:17

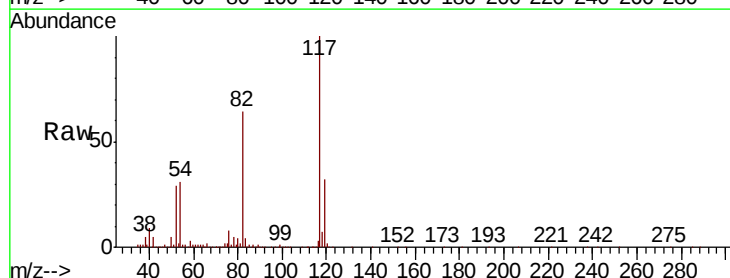
Tgt Ion: 117 Resp: 2837673

Ion Ratio Lower Upper

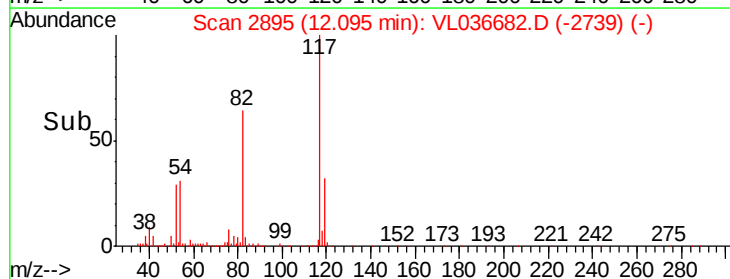
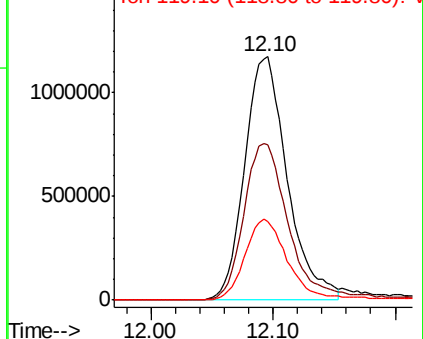
117 100

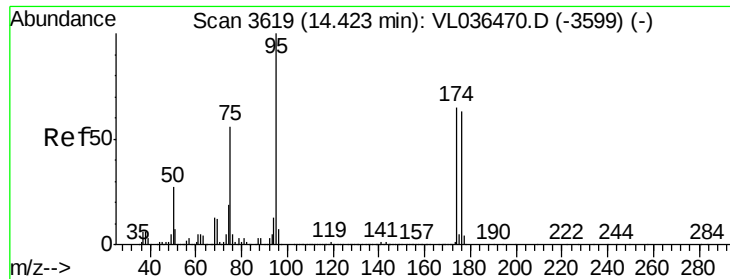
82 68.4 57.4 86.0

119 34.6 47.4 71.0#



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

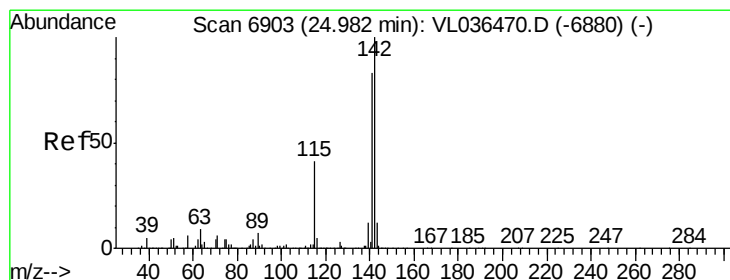
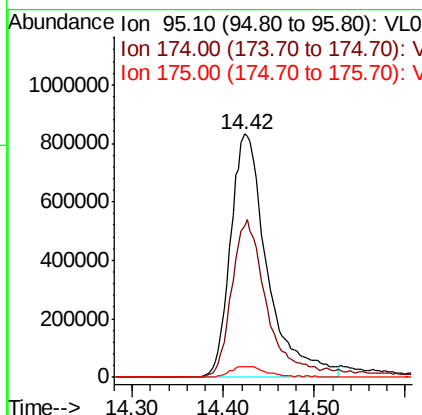
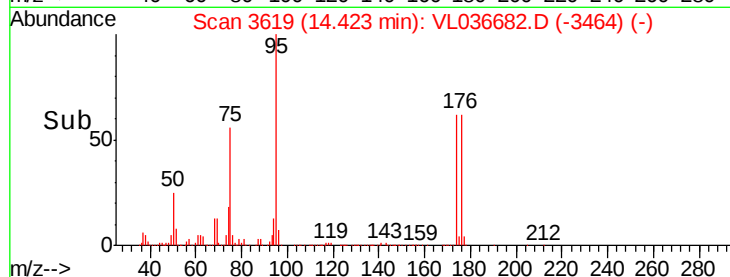
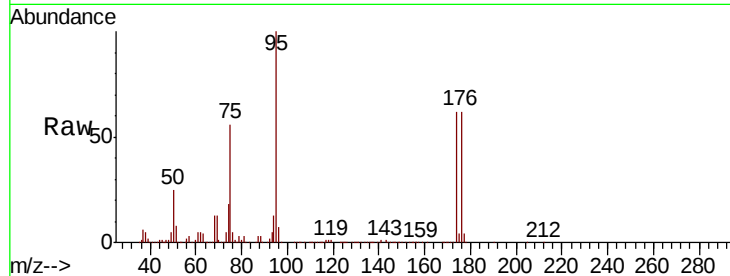




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.350 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL036682.D
 Acq: 5 Apr 2021 21:17

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 95 Resp: 2340747
 Ion Ratio Lower Upper
 95 100
 174 66.3 51.0 76.6
 175 4.7 3.9 5.9



#80
 Naphthalene, 2-methyl-
 Concen: 0.043 ppbv
 RT: 25.19 min Scan# 6969
 Delta R.T. 0.21 min
 Lab File: VL036682.D
 Acq: 5 Apr 2021 21:17

Tgt Ion: 142 Resp: 1868
 Ion Ratio Lower Upper
 142 100
 141 69.9 67.8 101.8
 115 46.3 34.0 51.0

