

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036770.D
 Acq On : 9 Apr 2021 11:33
 Operator : SY/AP
 Sample : VL0409ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABL01

Quant Time: Apr 10 01:58:43 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	5.65	49	1359094	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3348528	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2646053	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1656499	7.85	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.50%

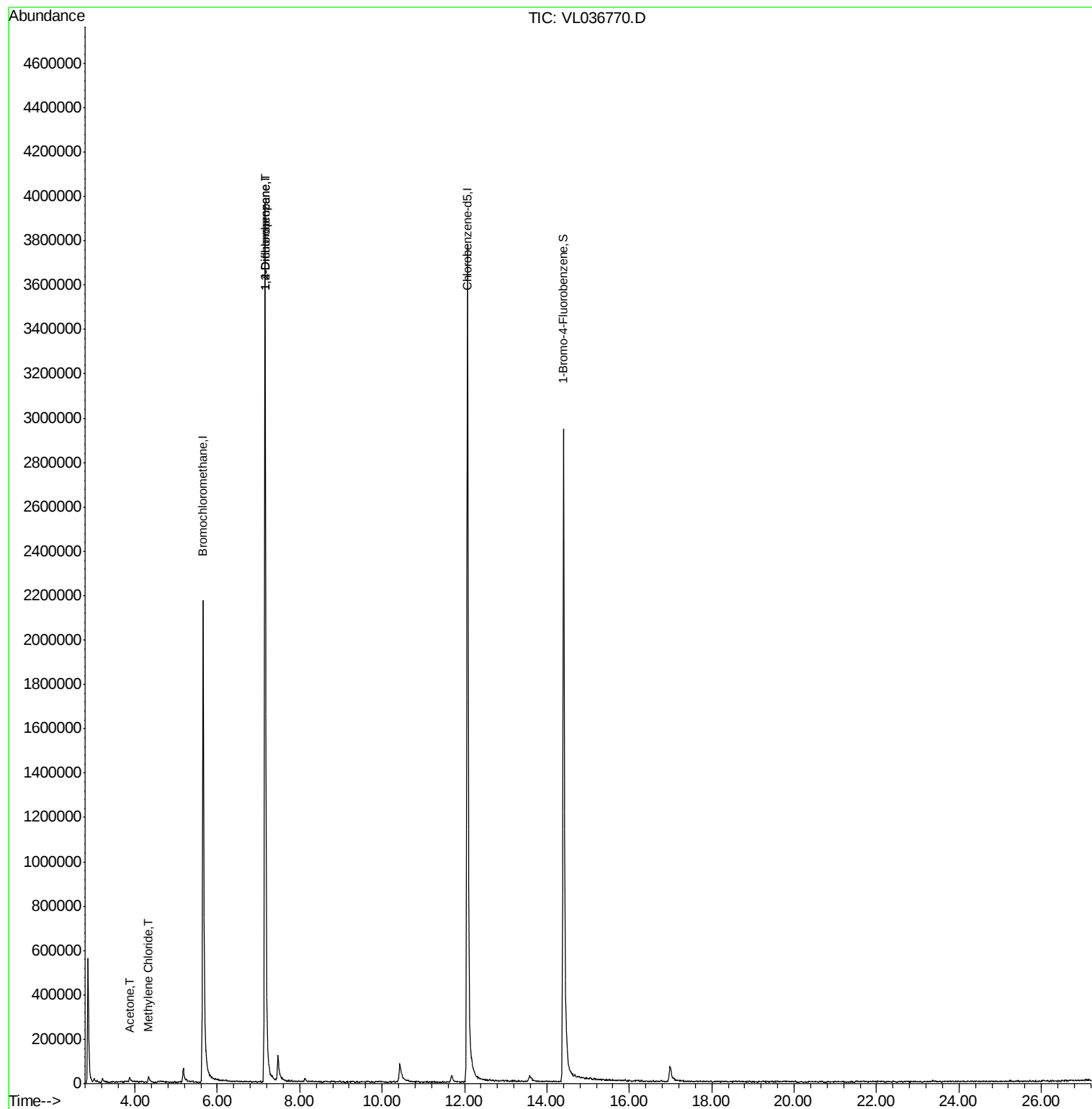
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.86	43	10782	0.081	ppbv #	1
20) Methylene Chloride	4.33	84	6181	0.099	ppbv #	85
39) 1,2-Dichloropropane	7.16	63	871105	6.954	ppbv #	23

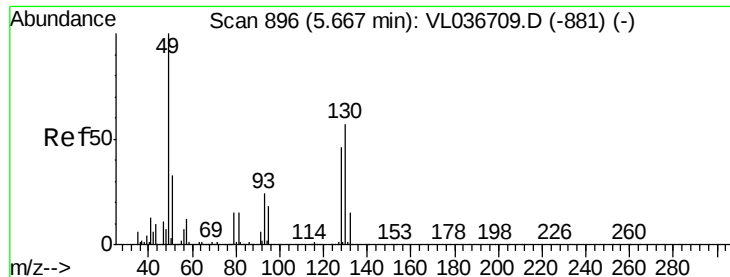
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL036770.D

Acq: 9 Apr 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABL01

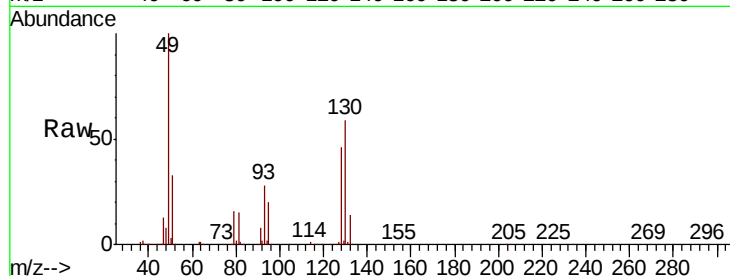
Tot Ion: 49 Resp: 1359094

Ion Ratio Lower Upper

49 100

128 45.7 23.5 70.6

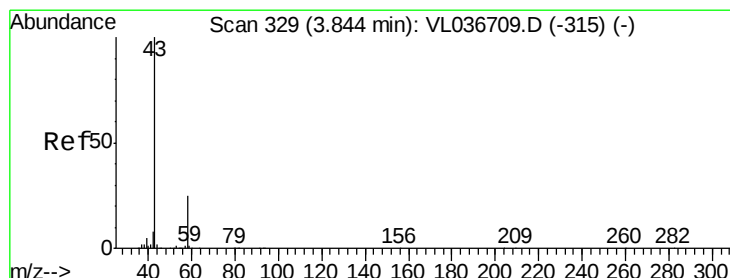
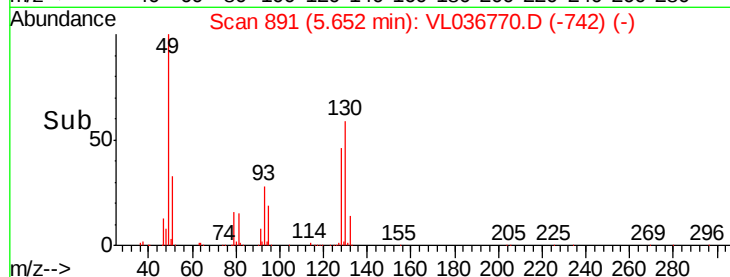
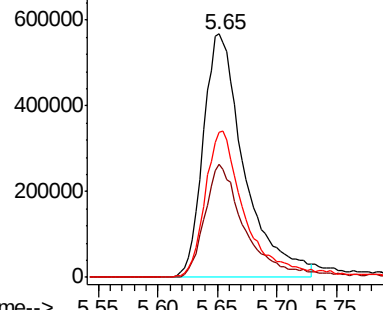
130 61.1 29.1 87.4



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: 0.081 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL036770.D

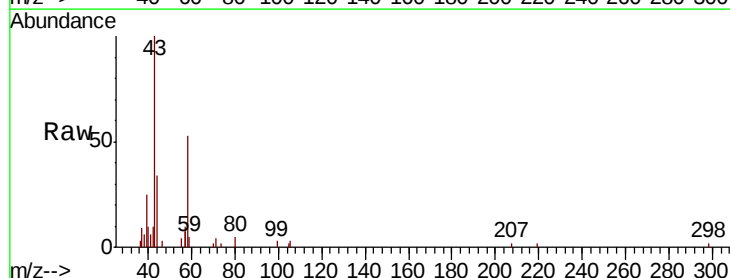
Acq: 9 Apr 2021 11:33

Tgt Ion: 43 Resp: 10782

Ion Ratio Lower Upper

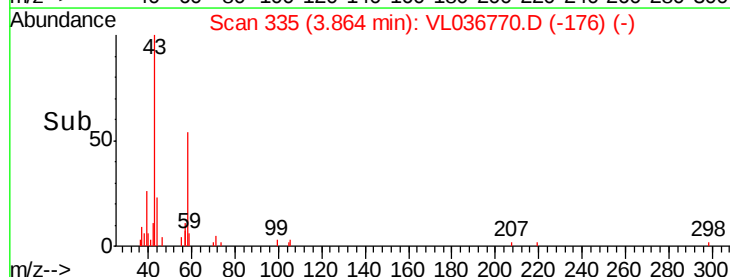
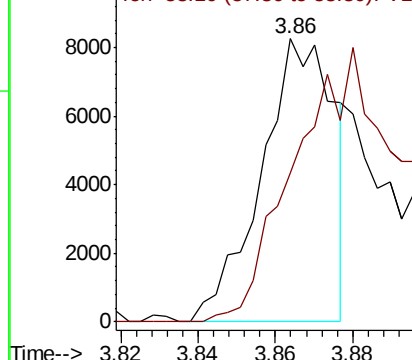
43 100

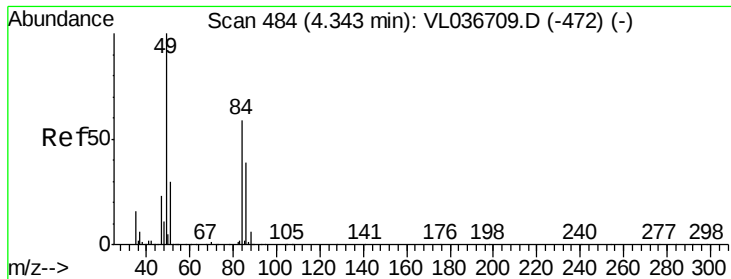
58 192.7 21.2 31.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

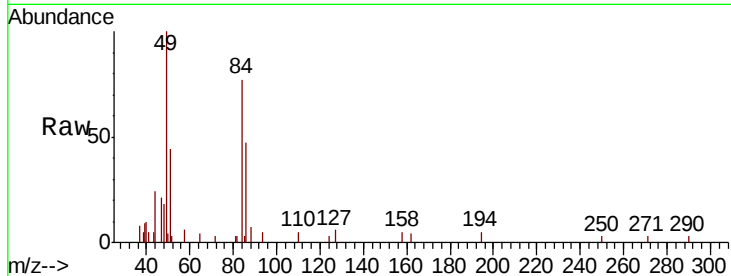




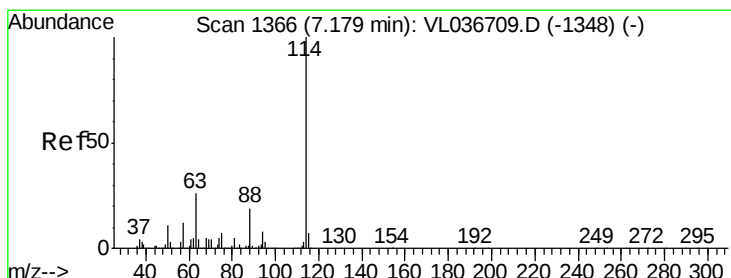
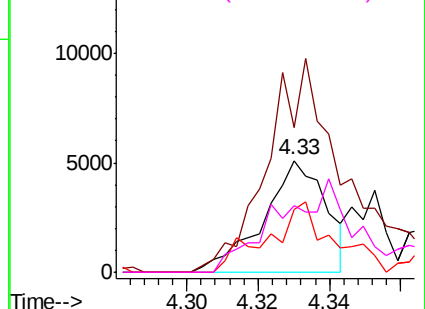
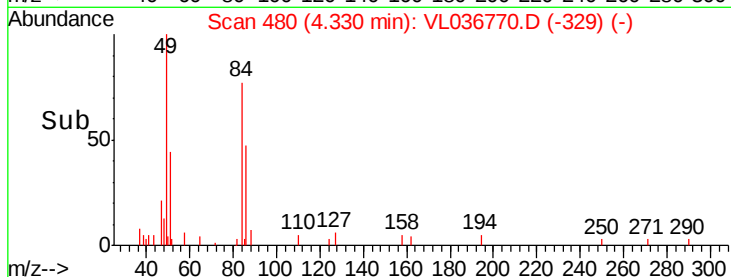
#20
Methylene Chloride
Concen: 0.099 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL036770.D
Acq: 9 Apr 2021 11:33

Instrument :
MSVOA_L
ClientSampled :
VL0409ABL01

Tot Ion: 84 Resp: 6181
Ion Ratio Lower Upper
84 100
49 129.1 122.9 184.3
51 60.3 36.9 55.3#
86 60.2 48.2 72.4

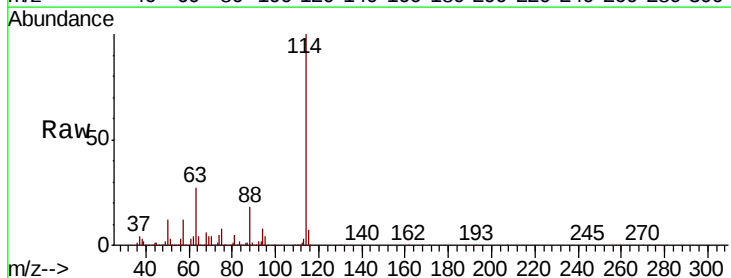


Abundance Ion 84.00 (83.70 to 84.70): VL0
15000 Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

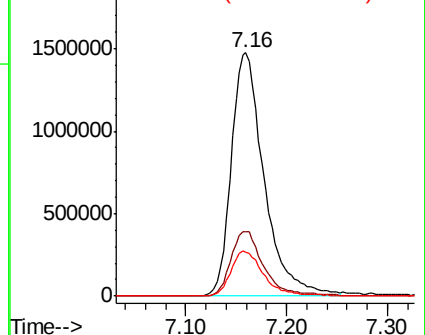
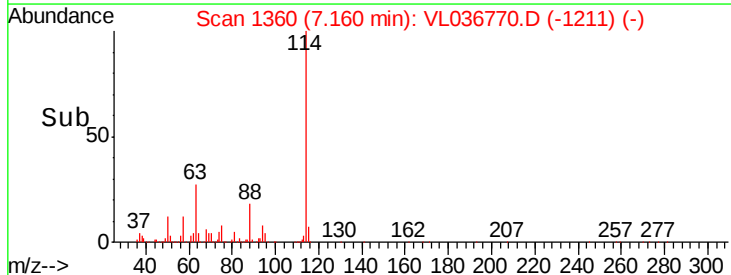


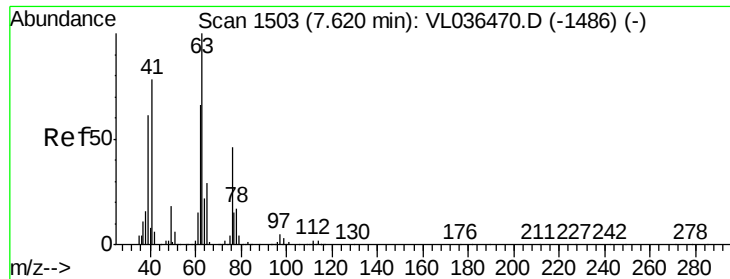
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL036770.D
Acq: 9 Apr 2021 11:33

Tgt Ion: 114 Resp: 3348528
Ion Ratio Lower Upper
114 100
63 27.0 22.4 33.6
88 18.7 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V
2000000 Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 6.954 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.46 min

Lab File: VL036770.D

Acq: 9 Apr 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABL01

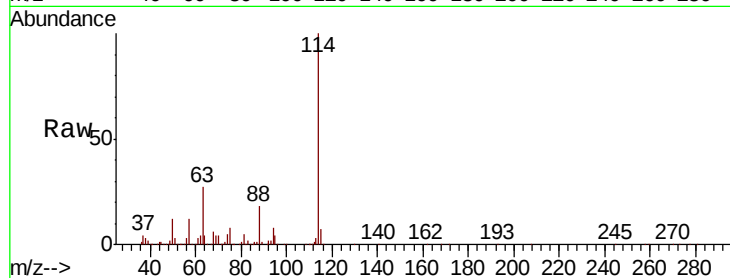
Tot Ion: 63 Resp: 871105

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

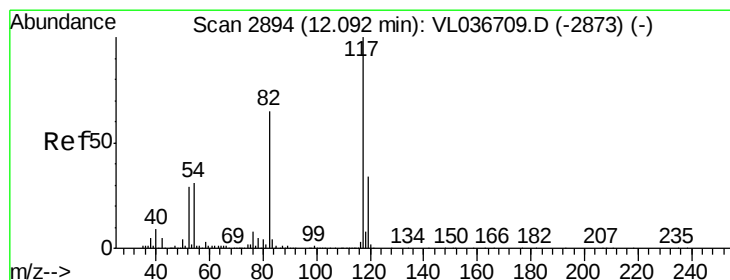
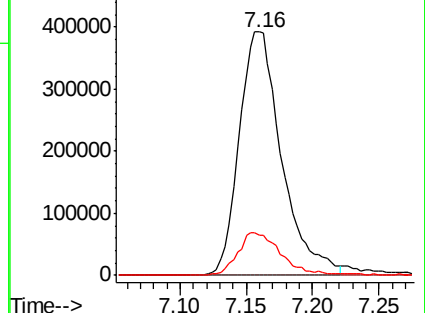
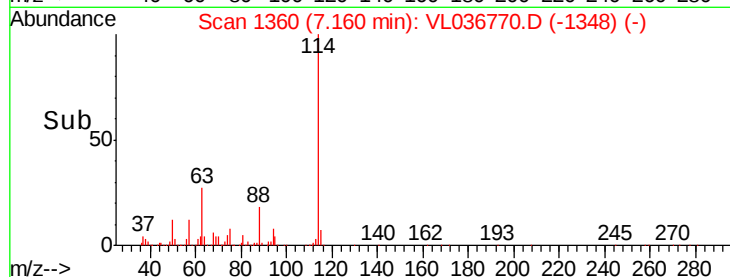
62 16.3 52.8 79.2#



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: 12.07 min Scan# 2887

Delta R.T. -0.02 min

Lab File: VL036770.D

Acq: 9 Apr 2021 11:33

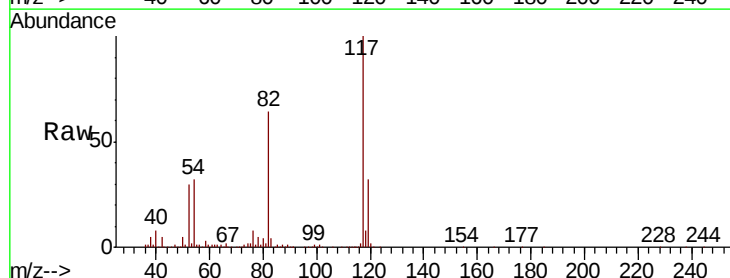
Tgt Ion: 117 Resp: 2646053

Ion Ratio Lower Upper

117 100

82 69.2 57.4 86.0

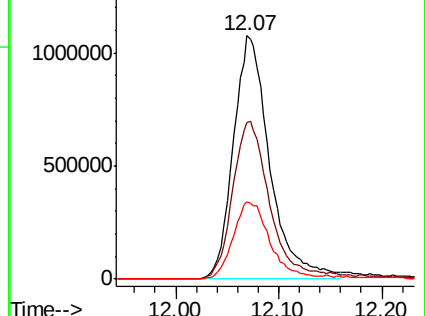
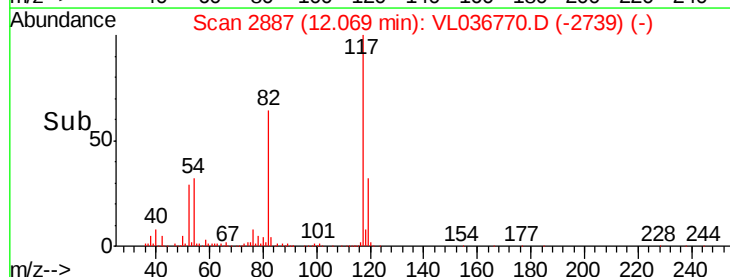
119 34.1 47.4 71.0#

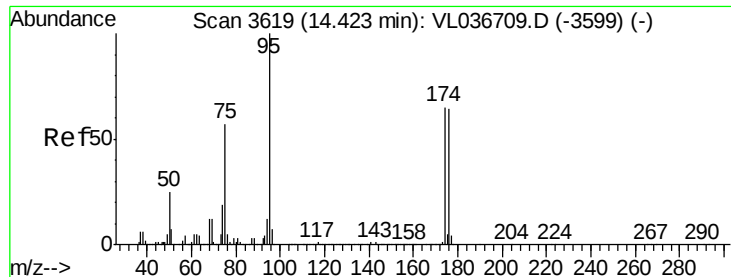


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 7.855 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.02 min

Lab File: VL036770.D

Acq: 9 Apr 2021 11:33

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABL01

Tot Ion: 95 Resp: 1656499

Ion Ratio Lower Upper

95 100

174 64.4 51.0 76.6

175 4.4 3.9 5.9

