

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035934.D
 Acq On : 13 Nov 2020 4:30
 Operator : SY/AP
 Sample : L4721-06
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LA-6

Quant Time: Nov 13 07:38:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1051359	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3624588	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3302462	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2454149	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

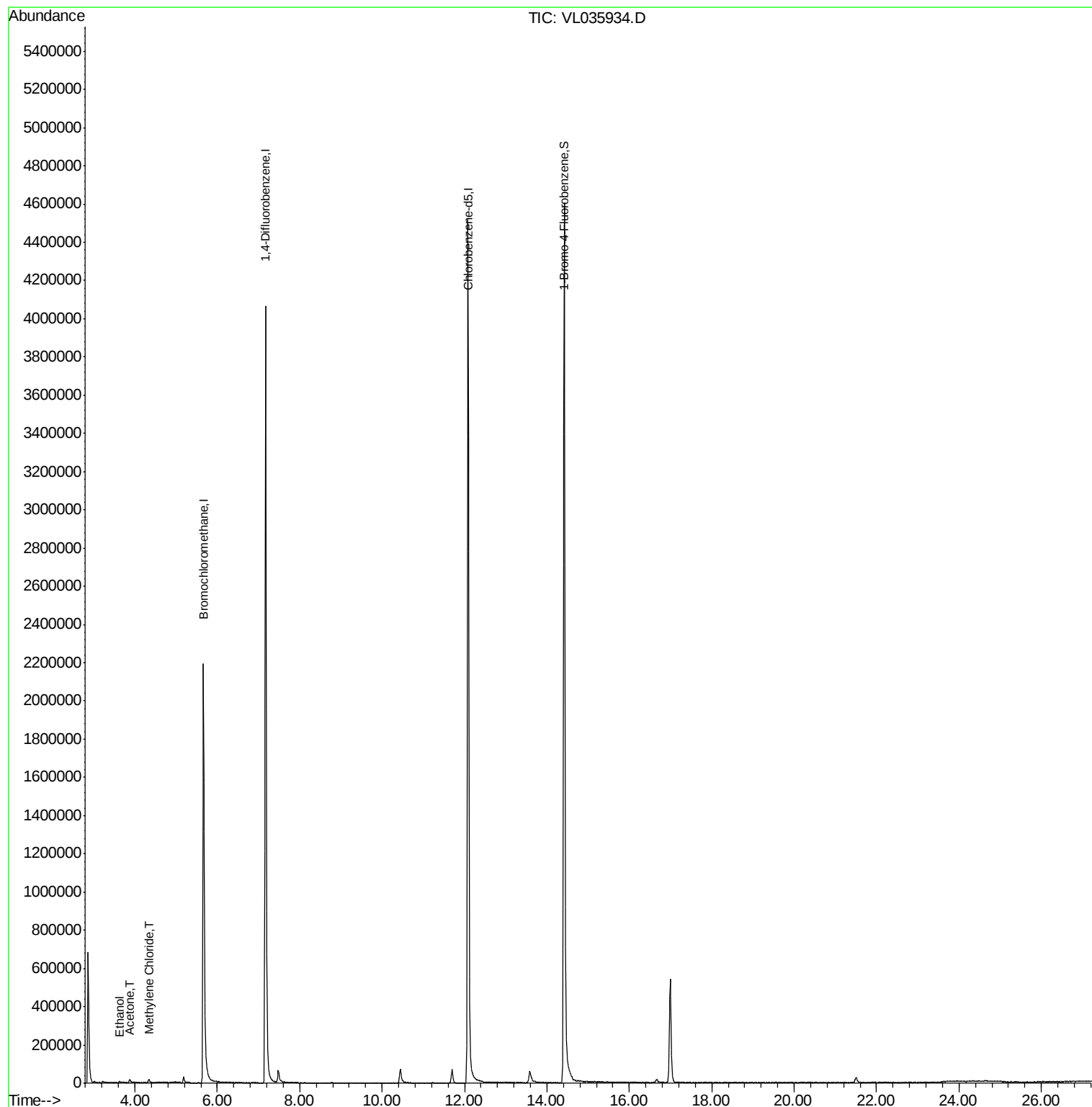
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	5358m	0.536	ppbv	
15) Acetone	3.87	43	16358	0.146	ppbv #	16
20) Methylene Chloride	4.34	84	8398	0.106	ppbv #	89

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL035934.D

Acq: 13 Nov 2020 4:30

Instrument :

MSVOA_L

ClientSampleId :

LA-6

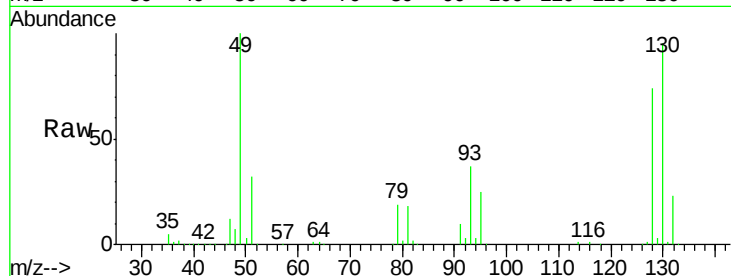
Tot Ion: 49 Resp: 1051359

Ion Ratio Lower Upper

49 100

128 75.6 41.5 124.6

130 98.1 53.7 161.1



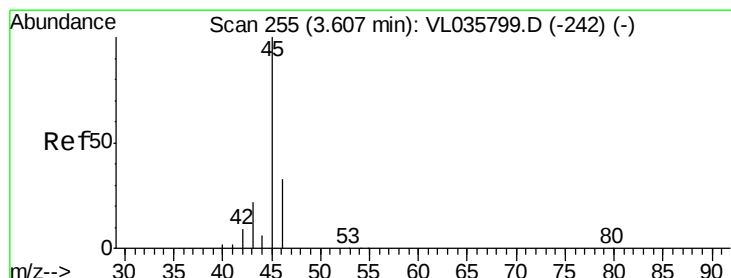
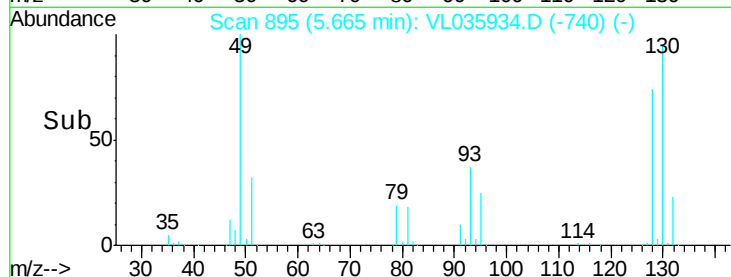
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



#13

Ethanol

Concen: 0.536 ppbv m

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL035934.D

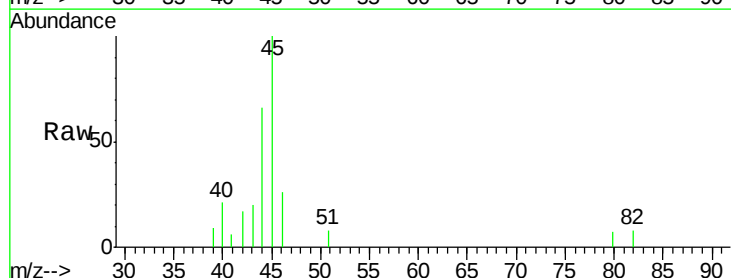
Acq: 13 Nov 2020 4:30

Tgt Ion: 45 Resp: 5358

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#

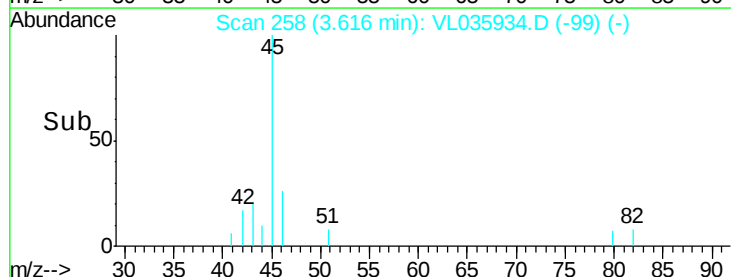


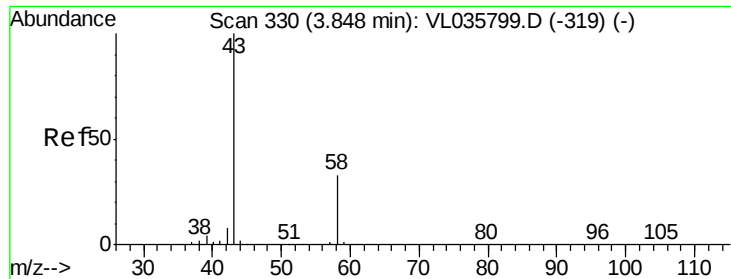
Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.62

Time-->





#15

Acetone

Concen: 0.146 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL035934.D

Acq: 13 Nov 2020 4:30

Instrument :

MSVOA_L

ClientSampleId :

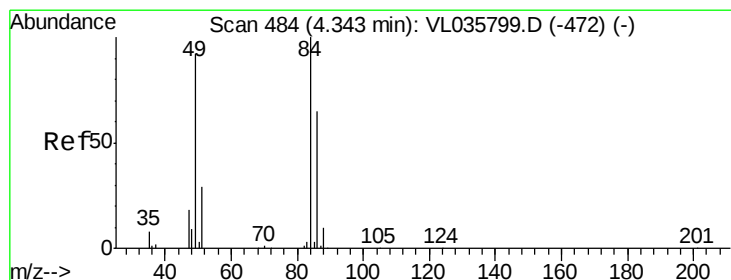
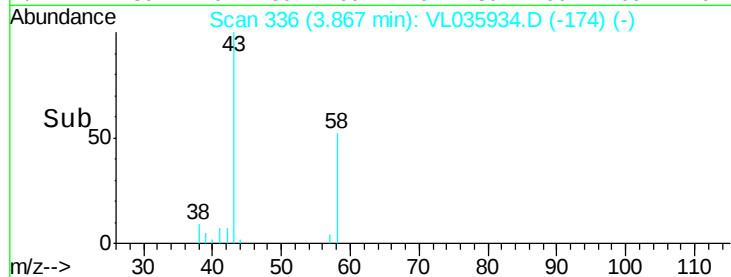
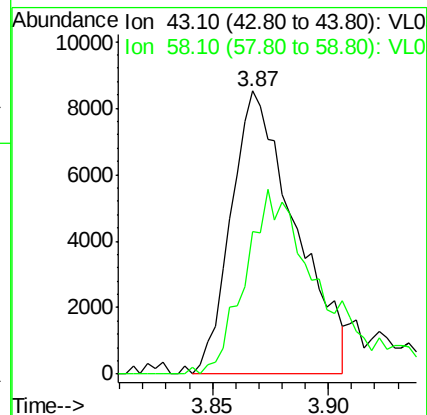
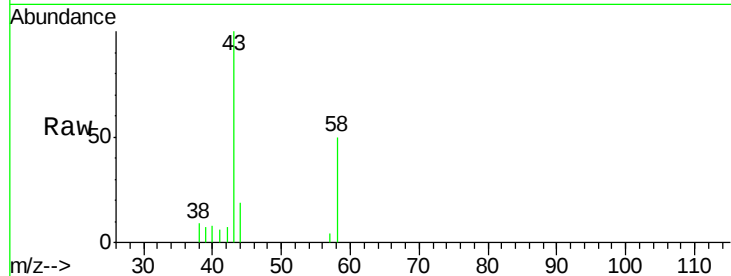
LA-6

Tot Ion: 43 Resp: 16358

Ion Ratio Lower Upper

43 100

58 82.8 27.5 41.3#



#20

Methylene Chloride

Concen: 0.106 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035934.D

Acq: 13 Nov 2020 4:30

Tgt Ion: 84 Resp: 8398

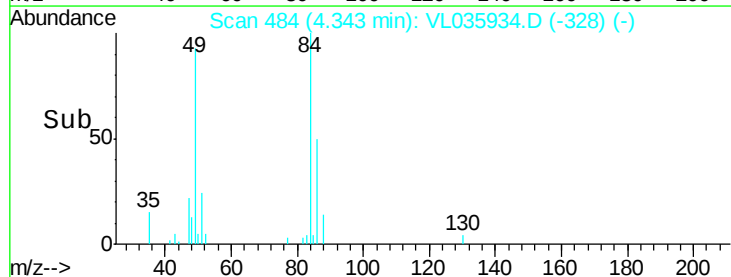
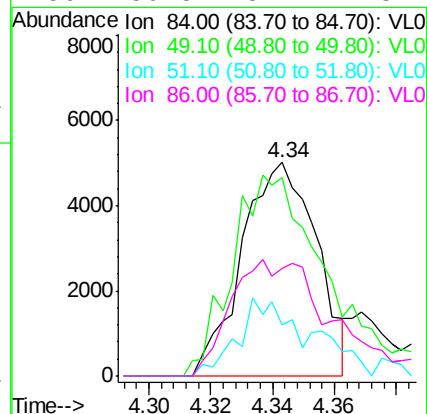
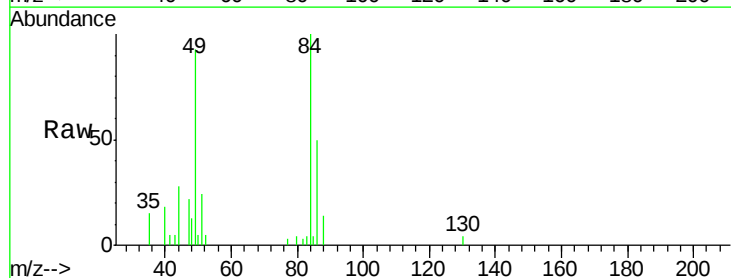
Ion Ratio Lower Upper

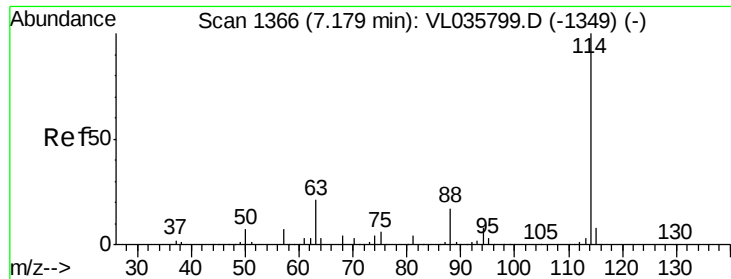
84 100

49 85.4 73.8 110.8

51 24.2 23.0 34.4

86 50.3 52.1 78.1#

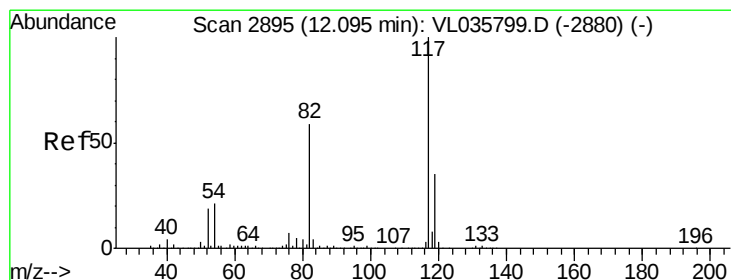
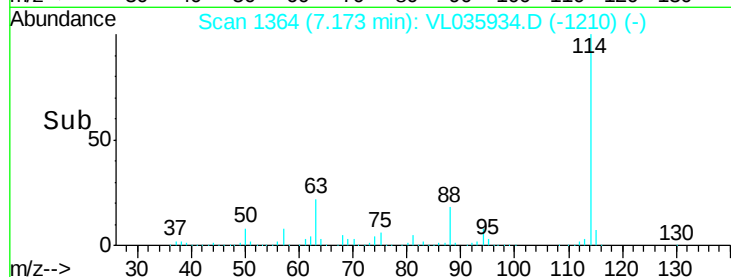
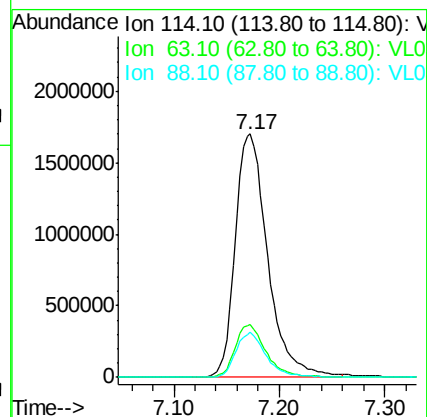
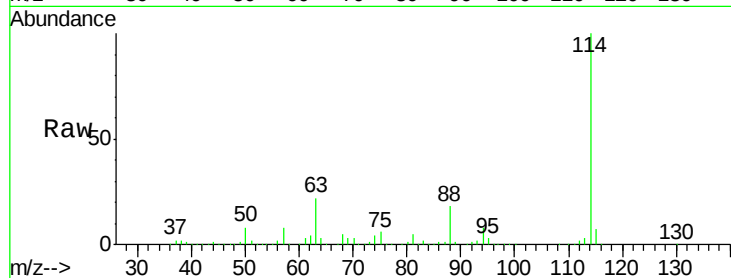




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035934.D
 Acq: 13 Nov 2020 4:30

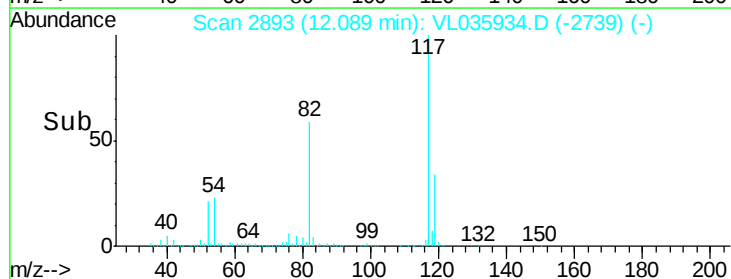
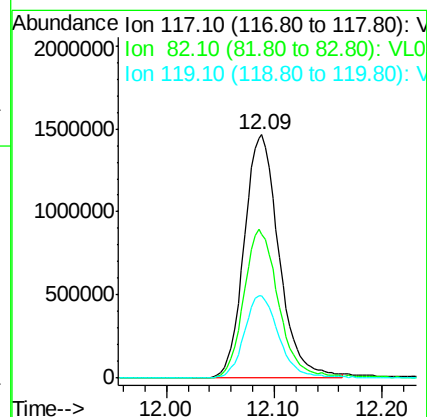
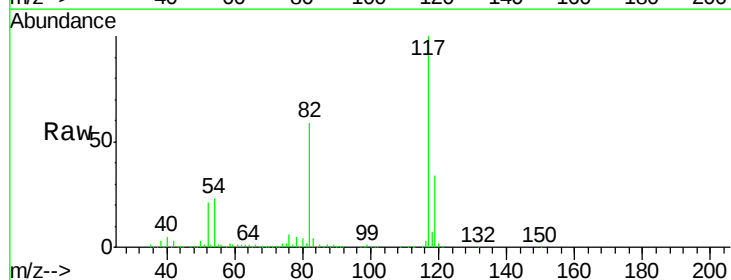
Instrument :
 MSVOA_L
 ClientSampled :
 LA-6

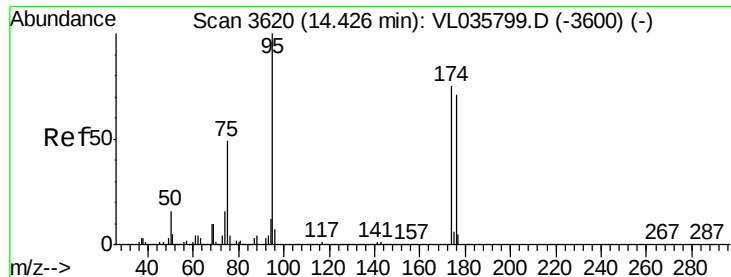
Tot Ion:114 Resp: 3624588
 Ion Ratio Lower Upper
 114 100
 63 21.0 16.1 24.1
 88 17.7 13.7 20.5



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. -0.01 min
 Lab File: VL035934.D
 Acq: 13 Nov 2020 4:30

Tgt Ion:117 Resp: 3302462
 Ion Ratio Lower Upper
 117 100
 82 61.7 50.6 76.0
 119 34.2 52.6 78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.460 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035934.D

Acq: 13 Nov 2020 4:30

Instrument :

MSVOA_L

ClientSampleId :

LA-6

Tot Ion: 95 Resp: 2454149

Ion Ratio Lower Upper

95 100

174 72.3 59.8 89.6

175 5.1 4.3 6.5

