

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020321\
 Data File : VL036302.D
 Acq On : 3 Feb 2021 20:33
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 04 01:48:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1606121	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.20	114	3353519	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	3088419	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2533332	9.91	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

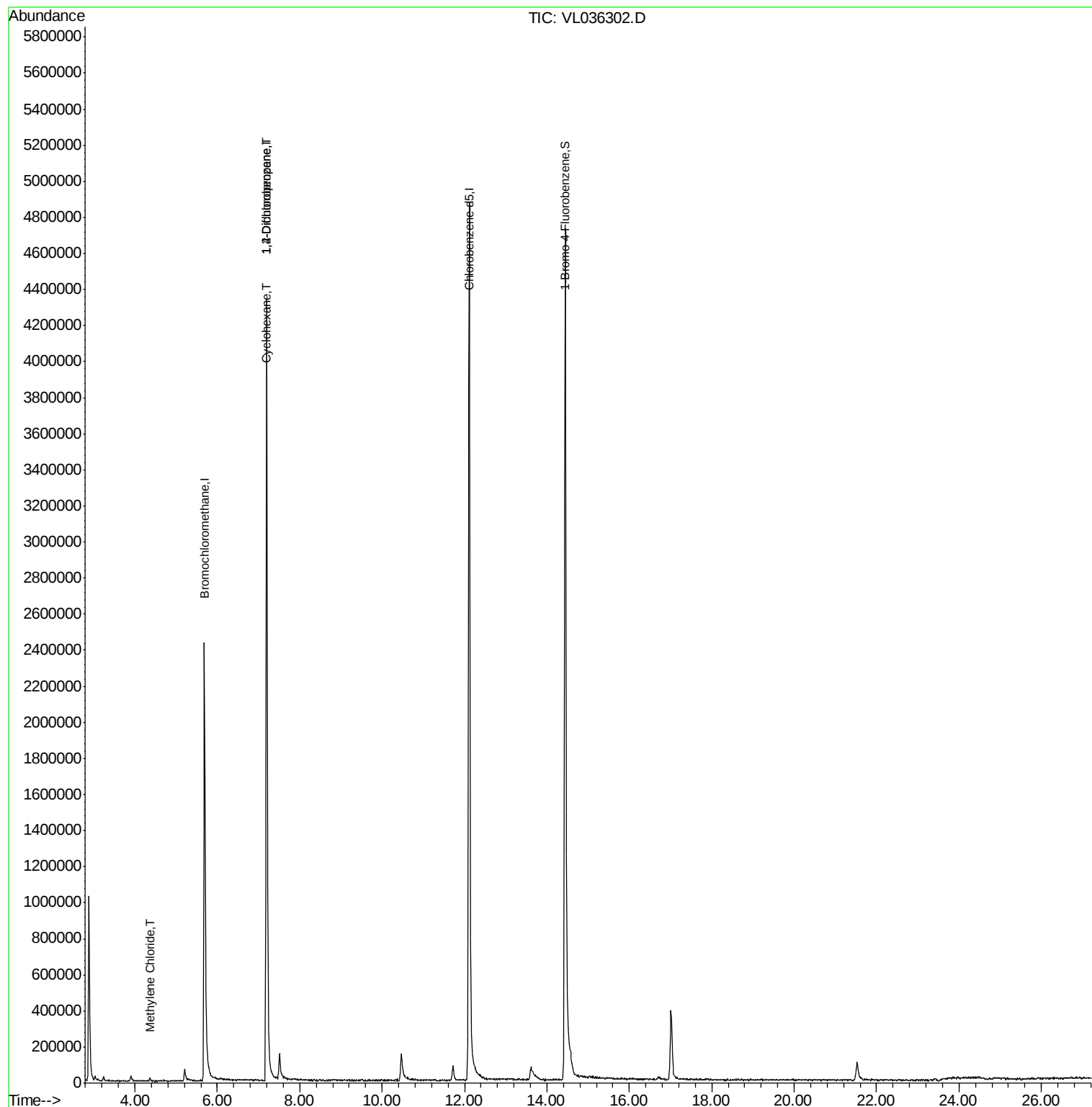
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.36	84	2426	0.039	ppbv #	76
30) Cyclohexane	7.18	84	4731	0.038	ppbv #	1
39) 1,2-Dichloropropane	7.20	63	1007564	8.076	ppbv #	21

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

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QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.03 min

Lab File: VL036302.D

Acq: 3 Feb 2021 20:33

Instrument :
MSVOA_L
ClientSampled :

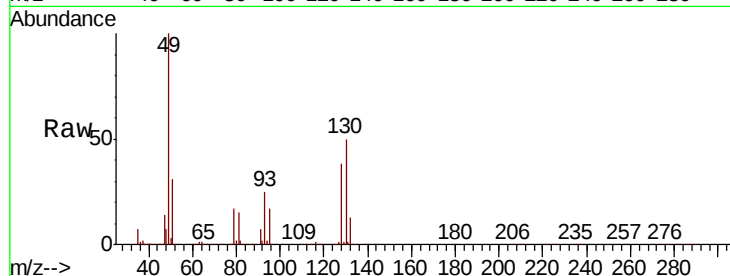
Tot Ion: 49 Resp: 1606121

Ion Ratio Lower Upper

49 100

128 40.7 20.1 60.2

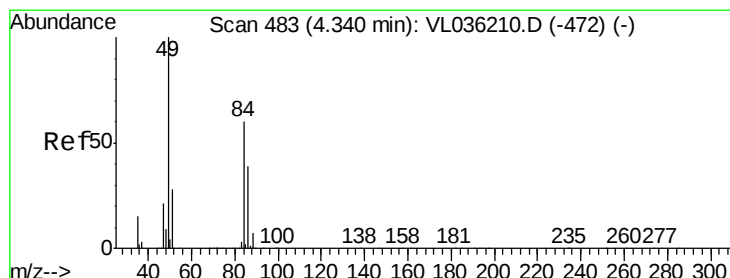
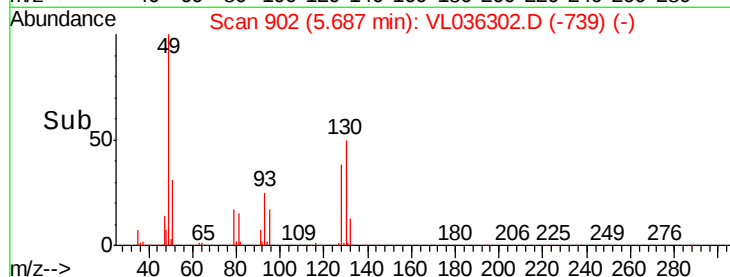
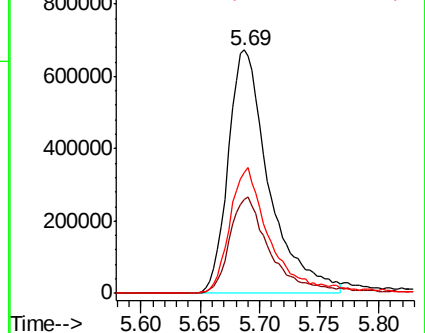
130 52.4 25.3 75.9



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: 0.039 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.02 min

Lab File: VL036302.D

Acq: 3 Feb 2021 20:33

Tgt Ion: 84 Resp: 2426

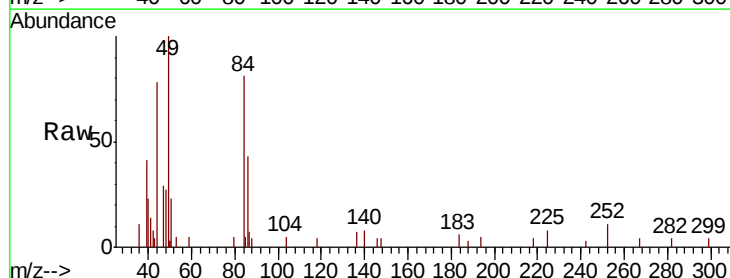
Ion Ratio Lower Upper

84 100

49 127.1 134.1 201.1#

51 28.8 37.4 56.0#

86 60.7 52.6 78.8

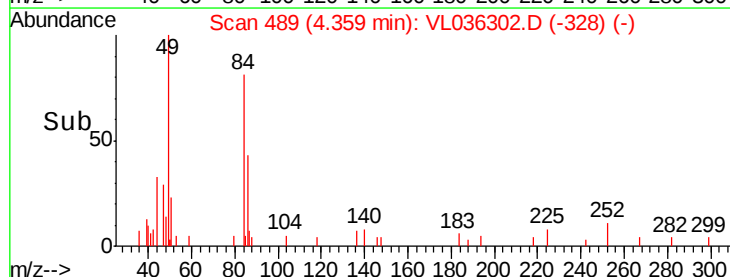
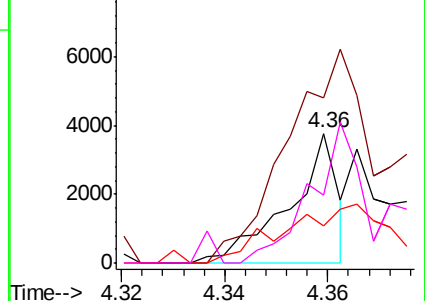


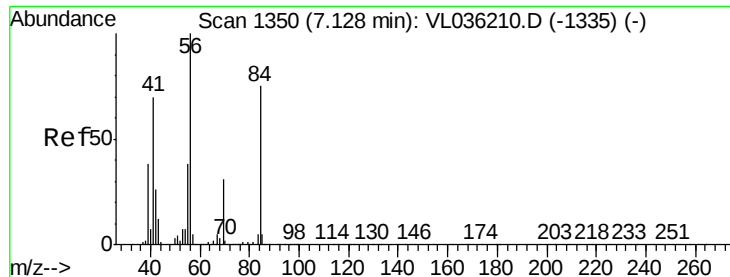
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

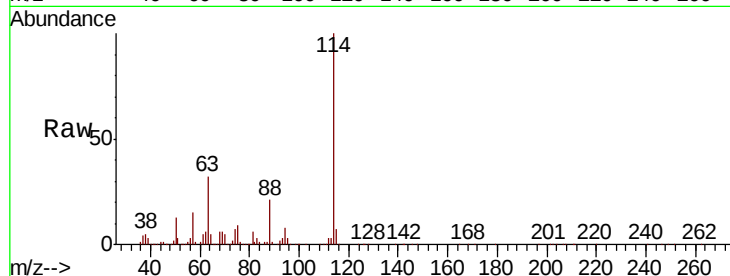




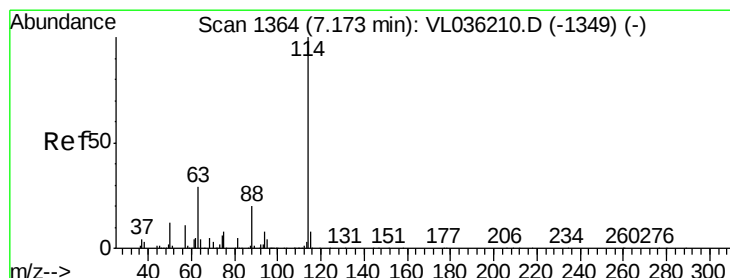
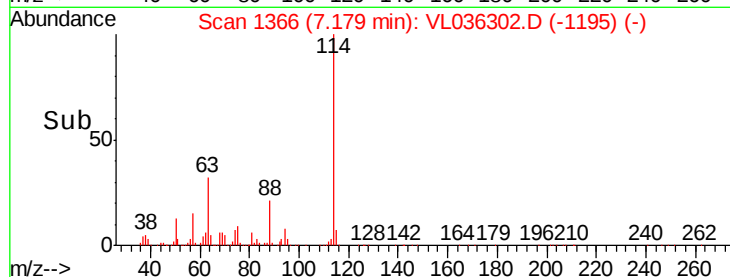
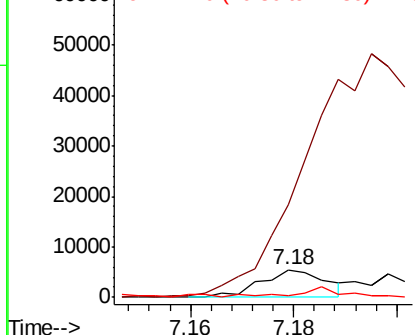
#30
Cvclohexane
Concen: 0.038 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.05 min
Lab File: VL036302.D
Acq: 3 Feb 2021 20:33

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 4731
Ion Ratio Lower Upper
84 100
56 0.0 119.4 179.0#
41 0.0 79.4 119.0#

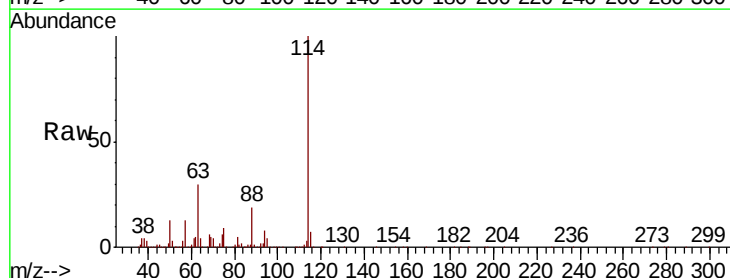


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

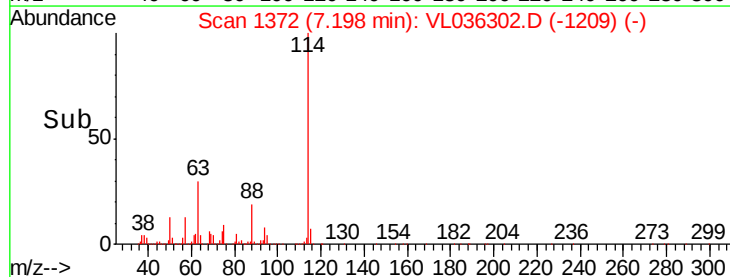
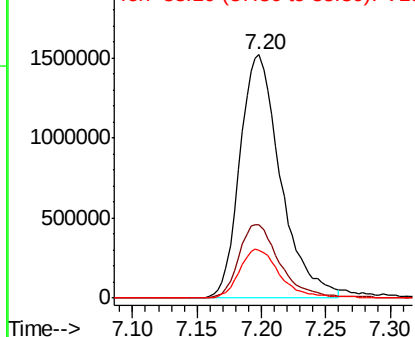


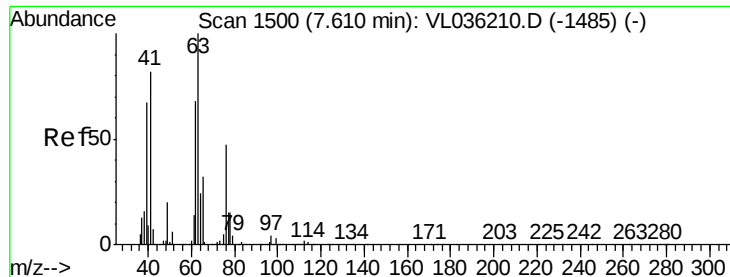
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. 0.03 min
Lab File: VL036302.D
Acq: 3 Feb 2021 20:33

Tgt Ion: 114 Resp: 3353519
Ion Ratio Lower Upper
114 100
63 30.9 24.7 37.1
88 20.4 16.6 24.8



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

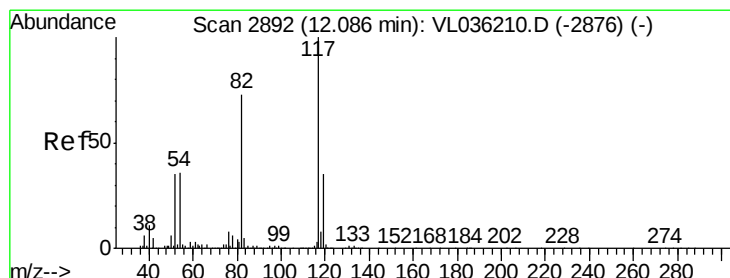
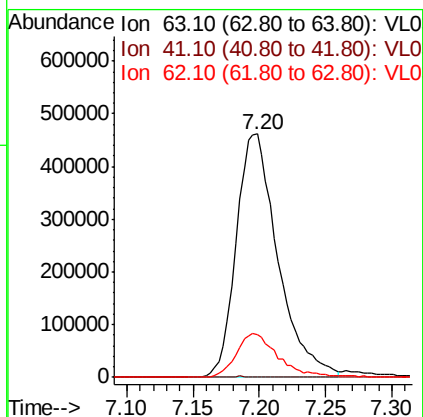
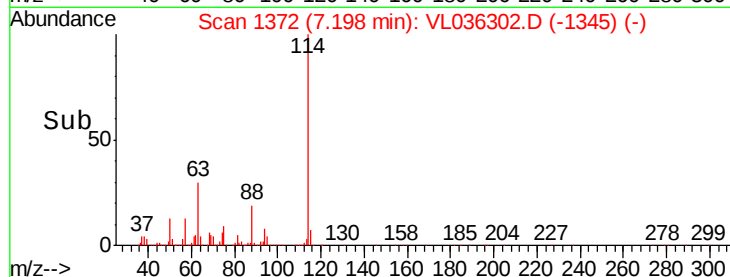
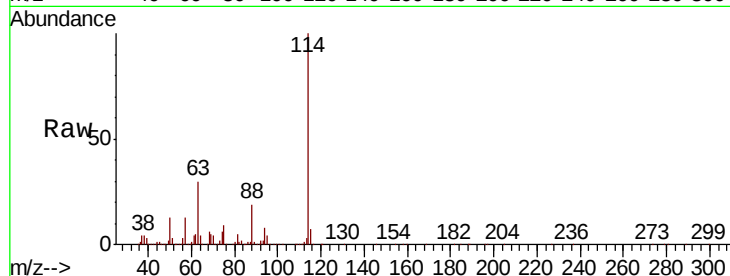




#39
 1,2-Dichloropropane
 Concen: 8.076 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.41 min
 Lab File: VL036302.D
 Acq: 3 Feb 2021 20:33

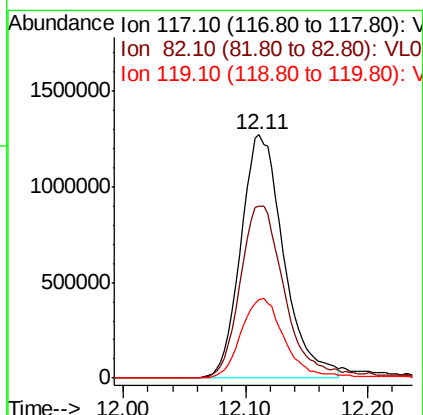
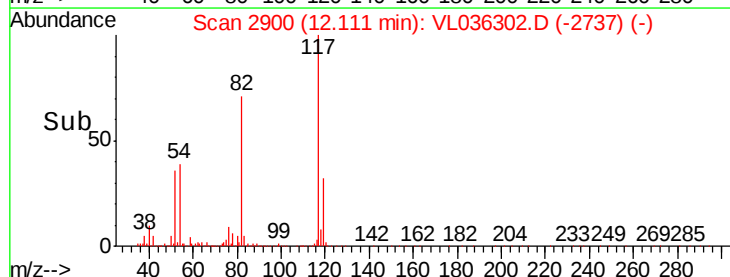
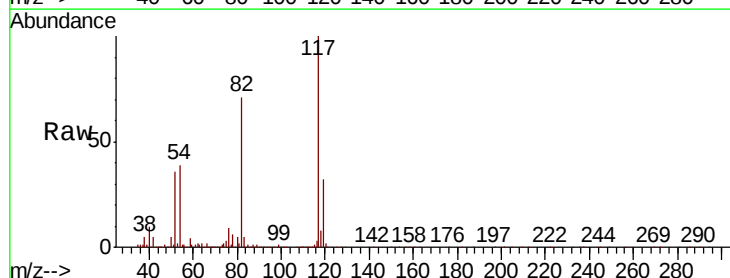
Instrument :
 MSVOA_L
 ClientSampleId :

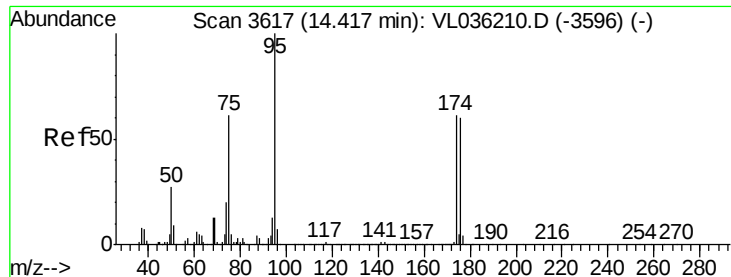
Tot Ion: 63 Resp: 1007564
 Ion Ratio Lower Upper
 63 100
 41 0.1 66.1 99.1#
 62 17.3 54.8 82.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2900
 Delta R.T. 0.03 min
 Lab File: VL036302.D
 Acq: 3 Feb 2021 20:33

Tgt Ion: 117 Resp: 3088419
 Ion Ratio Lower Upper
 117 100
 82 75.4 59.7 89.5
 119 34.5 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.910 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.03 min

Lab File: VL036302.D

Acq: 3 Feb 2021 20:33

Instrument :

MSVOA_L

ClientSampleId :

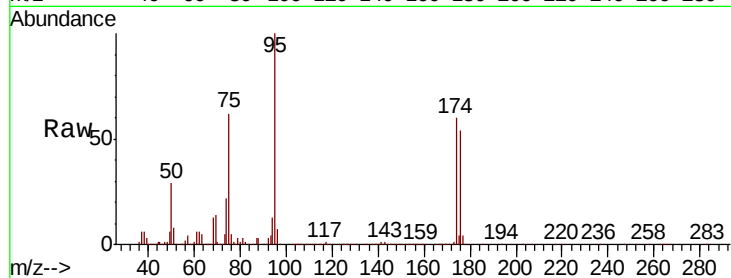
Tot Ion: 95 Resp: 2533332

Ion Ratio Lower Upper

95 100

174 65.0 49.4 74.0

175 4.5 3.8 5.8



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

