

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020321\
 Data File : VL036295.D
 Acq On : 3 Feb 2021 16:02
 Operator : SY/AP
 Sample : OC 10755
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 04 01:47:06 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	5.70	49	1622127	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.20	114	3403659	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.12	117	3161037	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2592642	9.91	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

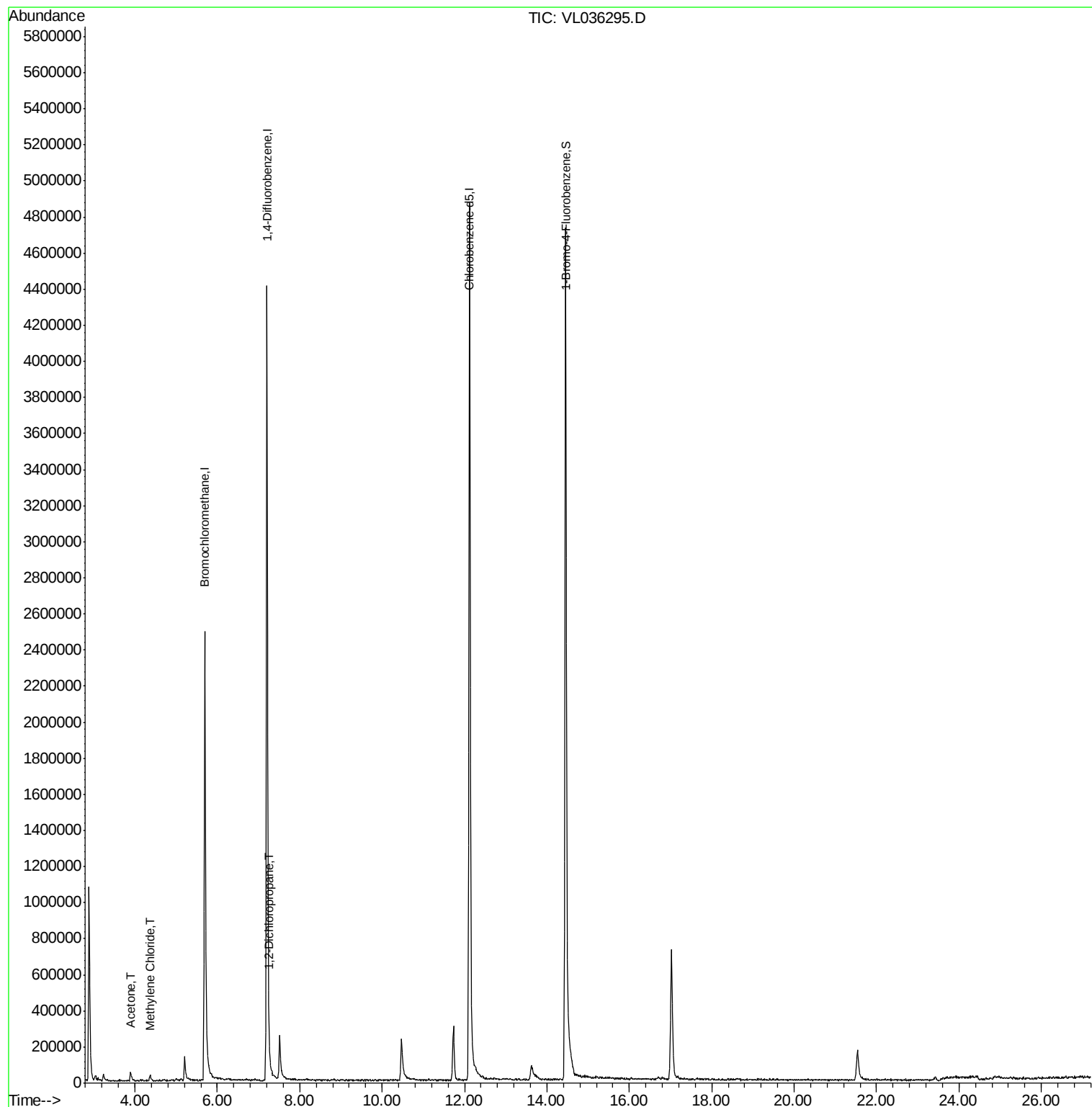
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.89	43	41839	0.211	ppbv #	49
20) Methylene Chloride	4.36	84	3246	0.051	ppbv #	91
39) 1,2-Dichloropropane	7.26	63	11413	0.090	ppbv #	25

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.04 min

Lab File: VL036295.D

Acq: 3 Feb 2021 16:02

Instrument :
MSVOA_L
ClientSampleId :

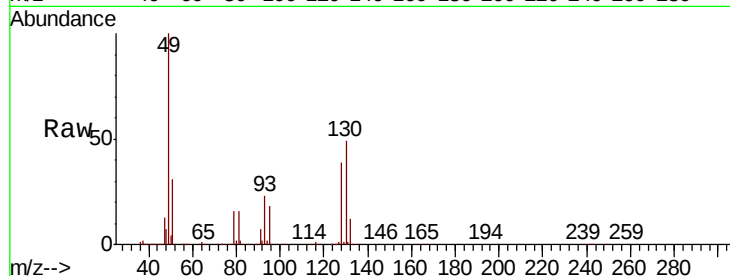
Tot Ion: 49 Resp: 1622127

Ion Ratio Lower Upper

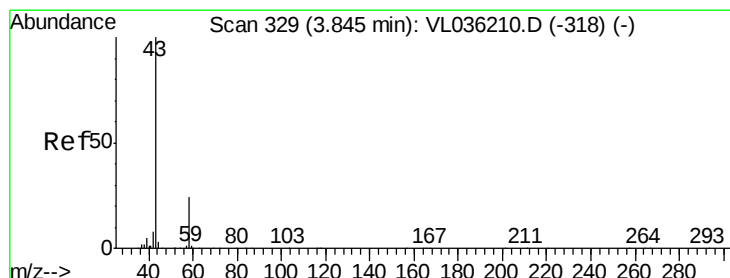
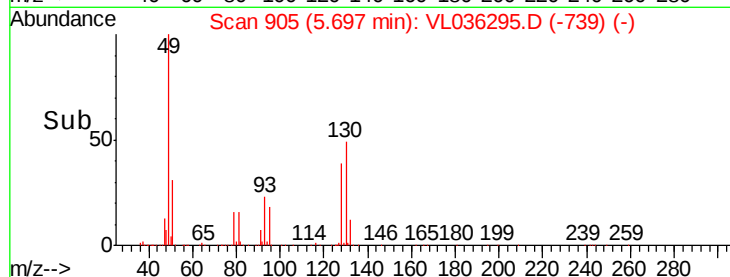
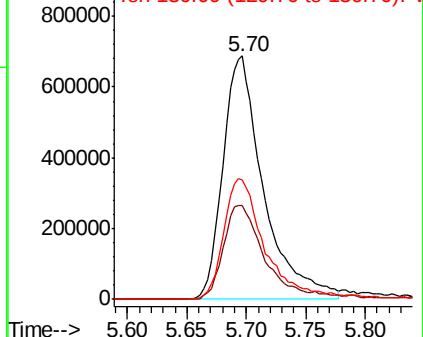
49 100

128 41.2 20.1 60.2

130 51.7 25.3 75.9



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.211 ppbv

RT: 3.89 min Scan# 344

Delta R.T. 0.05 min

Lab File: VL036295.D

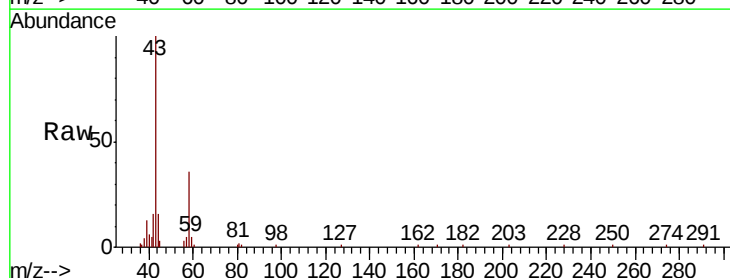
Acq: 3 Feb 2021 16:02

Tgt Ion: 43 Resp: 41839

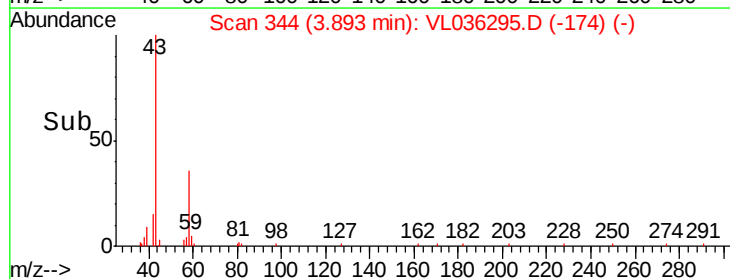
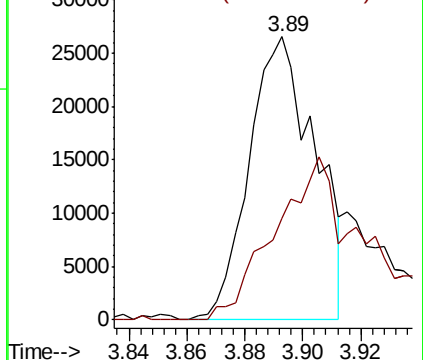
Ion Ratio Lower Upper

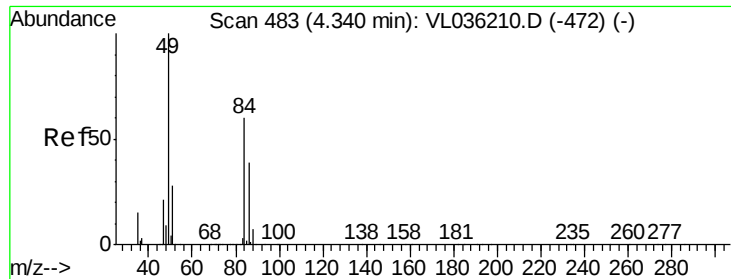
43 100

58 0.0 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

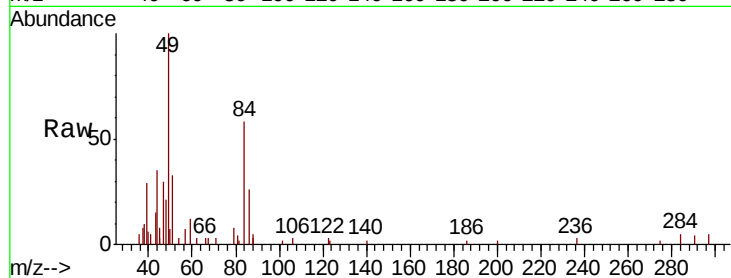




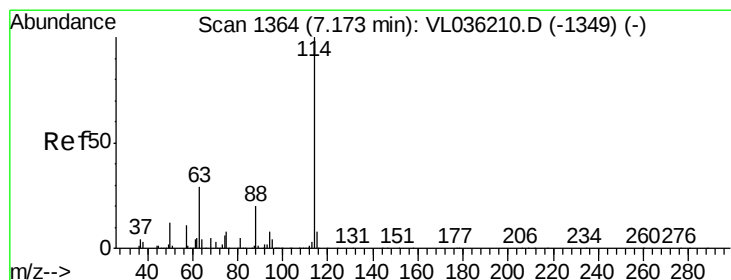
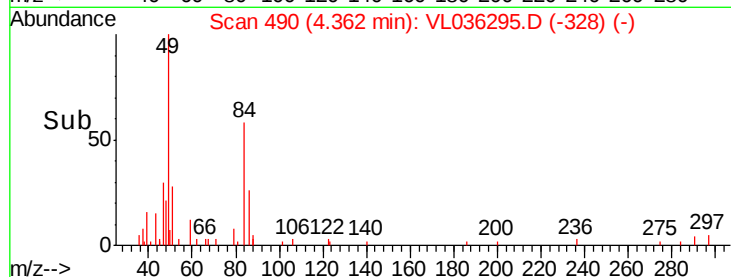
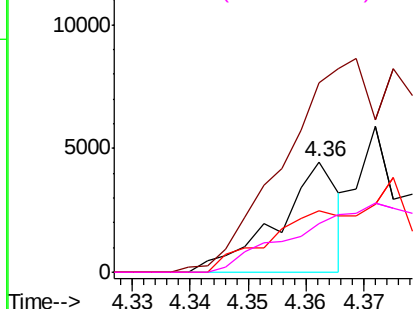
#20
Methylene Chloride
Concen: 0.051 ppbv
RT: 4.36 min Scan# 490
Delta R.T. 0.02 min
Lab File: VL036295.D
Acq: 3 Feb 2021 16:02

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 3246
Ion Ratio Lower Upper
84 100
49 166.8 134.1 201.1
51 55.9 37.4 56.0
86 43.9 52.6 78.8#

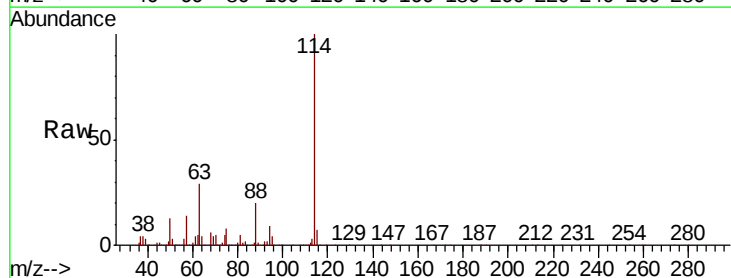


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

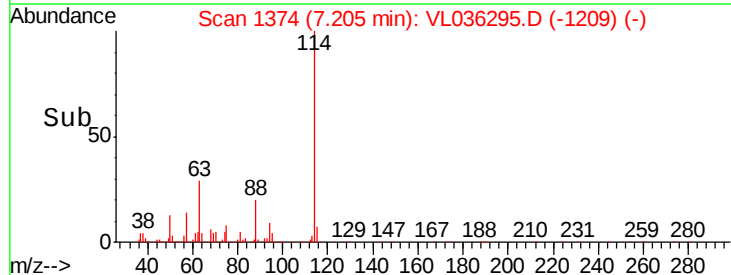
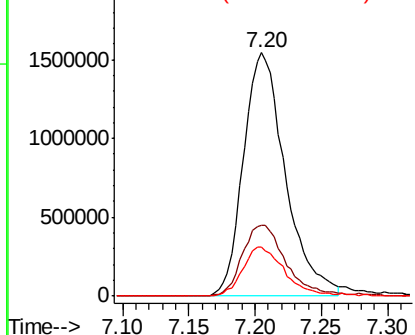


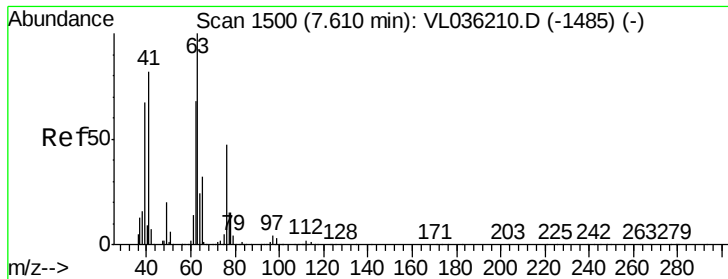
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. 0.03 min
Lab File: VL036295.D
Acq: 3 Feb 2021 16:02

Tgt Ion: 114 Resp: 3403659
Ion Ratio Lower Upper
114 100
63 31.0 24.7 37.1
88 20.7 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

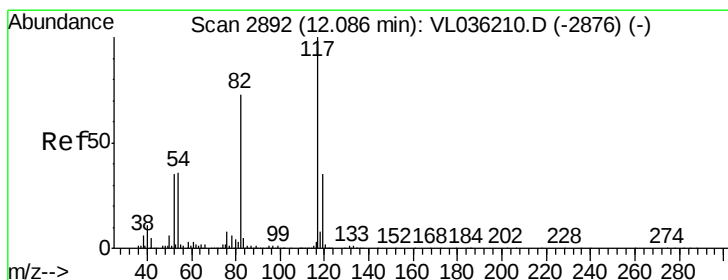
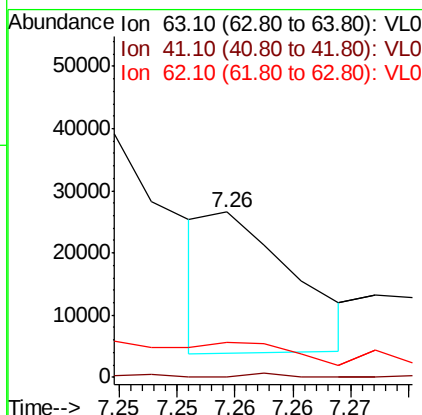
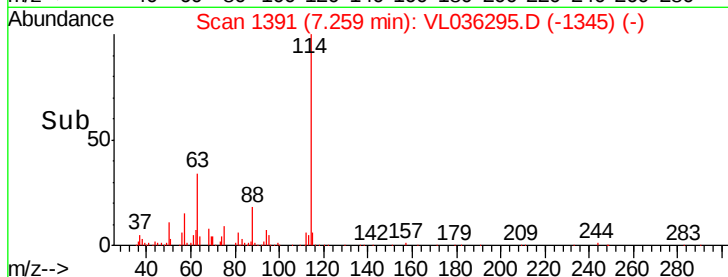
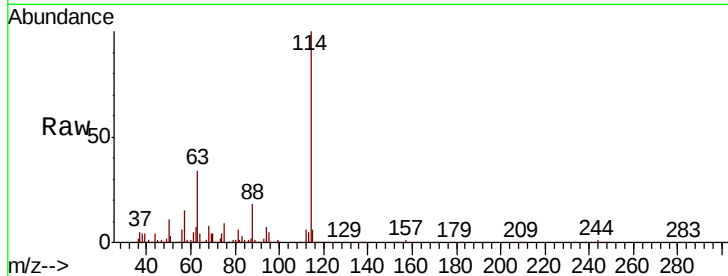




#39
 1,2-Dichloropropane
 Concen: 0.090 ppbv
 RT: 7.26 min Scan# 1391
 Delta R.T. -0.35 min
 Lab File: VL036295.D
 Acq: 3 Feb 2021 16:02

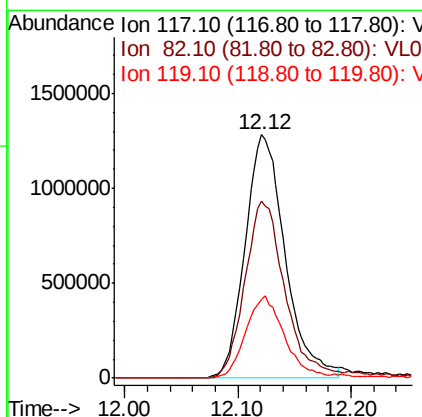
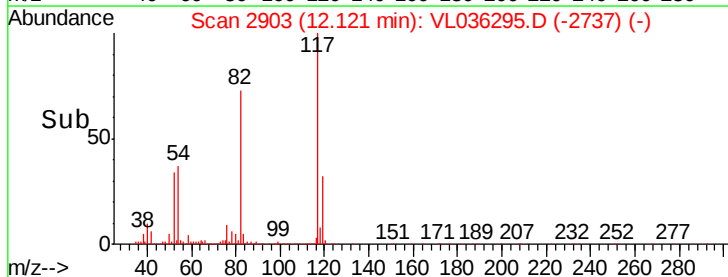
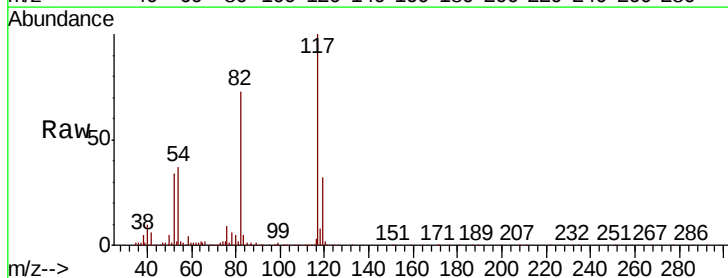
Instrument :
 MSVOA_L
 ClientSampled :

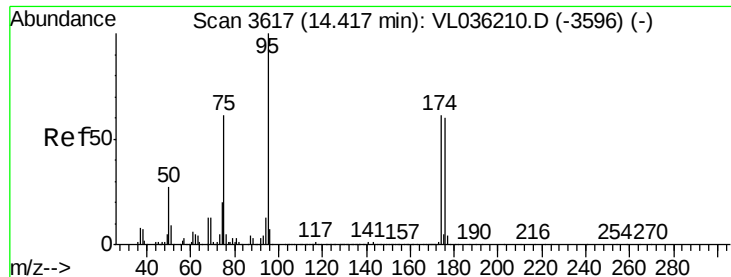
Tot Ion: 63 Resp: 11413
 Ion Ratio Lower Upper
 63 100
 41 0.0 66.1 99.1#
 62 24.8 54.8 82.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min Scan# 2903
 Delta R.T. 0.04 min
 Lab File: VL036295.D
 Acq: 3 Feb 2021 16:02

Tgt Ion: 117 Resp: 3161037
 Ion Ratio Lower Upper
 117 100
 82 76.9 59.7 89.5
 119 34.0 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.909 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.04 min

Lab File: VL036295.D

Acq: 3 Feb 2021 16:02

Instrument :

MSVOA_L

ClientSampleId :

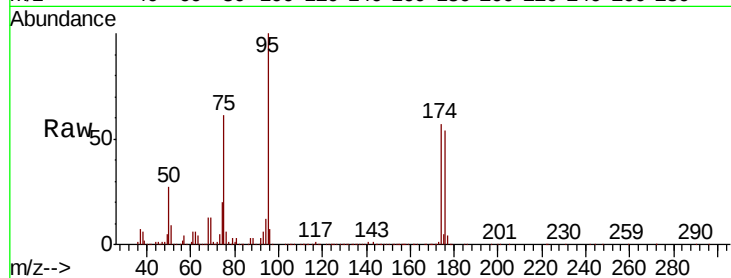
Tot Ion: 95 Resp: 2592642

Ion Ratio Lower Upper

95 100

174 64.5 49.4 74.0

175 4.6 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

