

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036636.D
 Acq On : 1 Apr 2021 20:05
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 02 01:24:10 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	1147875	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2964382	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2617374	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1934122	9.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.70%

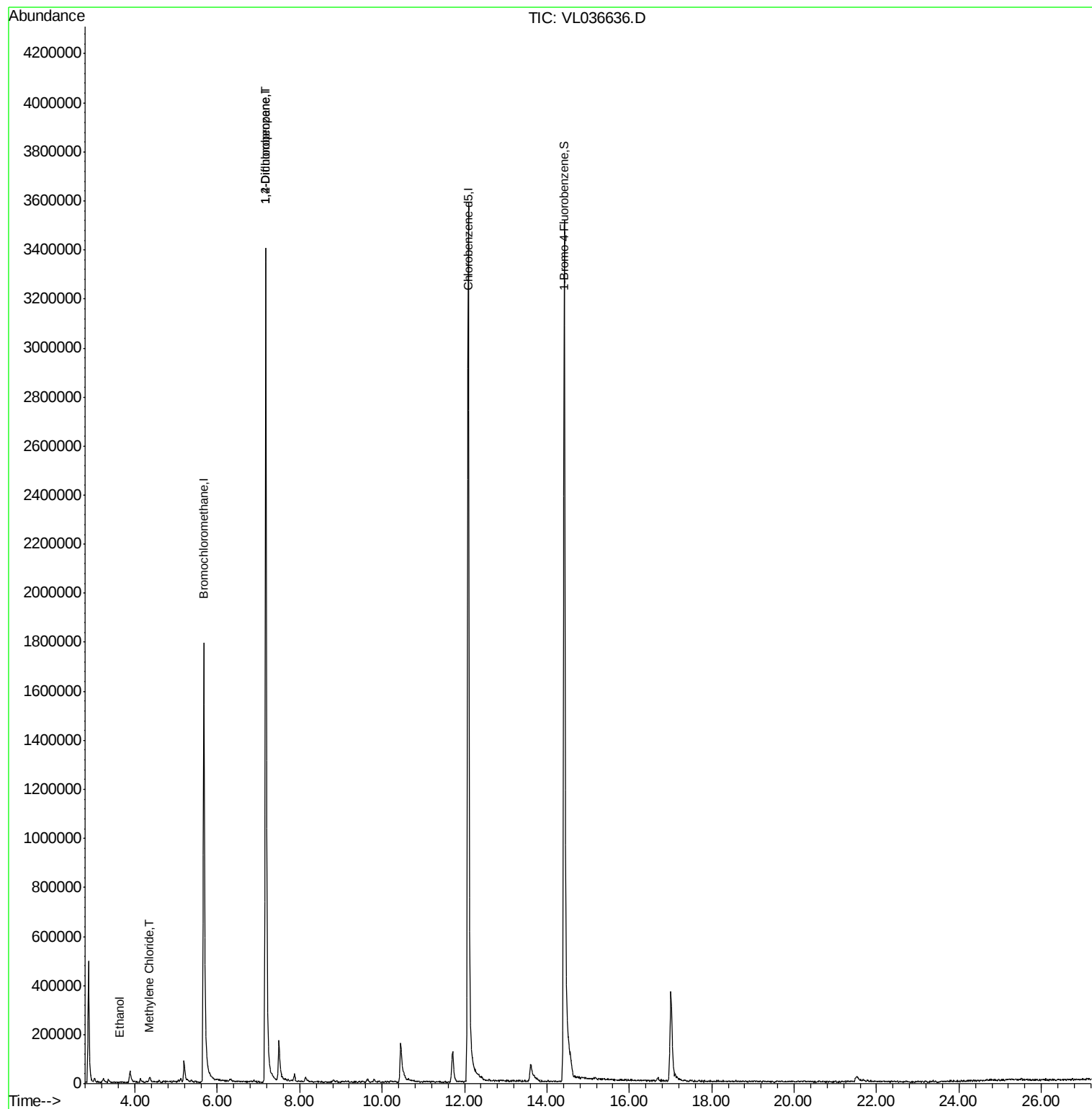
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	248	0.030	ppbv #	34
20) Methylene Chloride	4.34	84	2104	0.040	ppbv #	90
39) 1,2-Dichloropropane	7.18	63	776023	6.997	ppbv #	24

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

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QLast Update : Thu Mar 25 09:42:40 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036636.D

Acq: 1 Apr 2021 20:05

Instrument :

MSVOA_L

ClientSampleId :

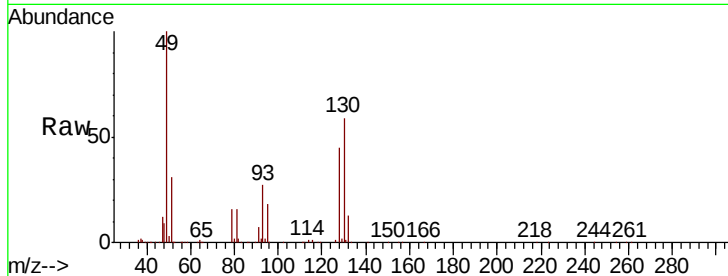
Tot Ion: 49 Resp: 1147875

Ion Ratio Lower Upper

49 100

128 49.6 23.5 70.6

130 63.4 29.1 87.4



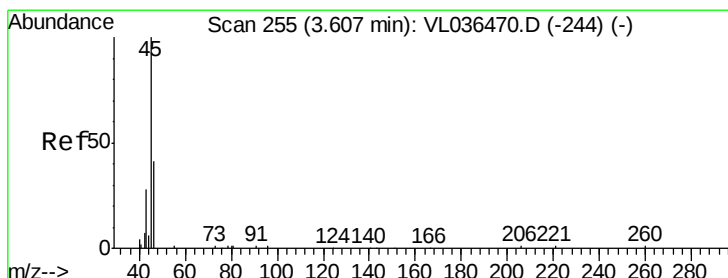
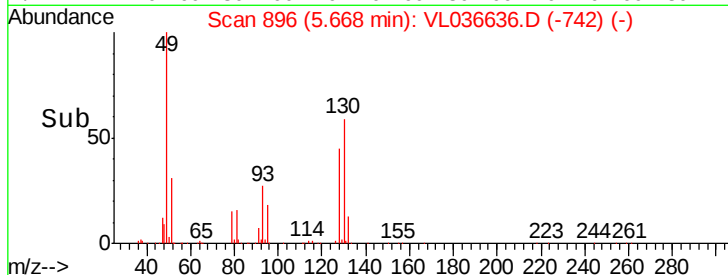
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.67

Time-->



#13

Ethanol

Concen: 0.030 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL036636.D

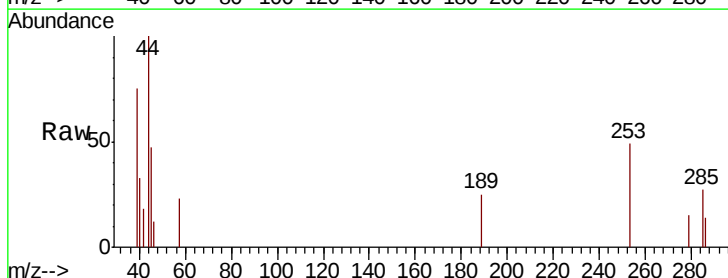
Acq: 1 Apr 2021 20:05

Tgt Ion: 45 Resp: 248

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#

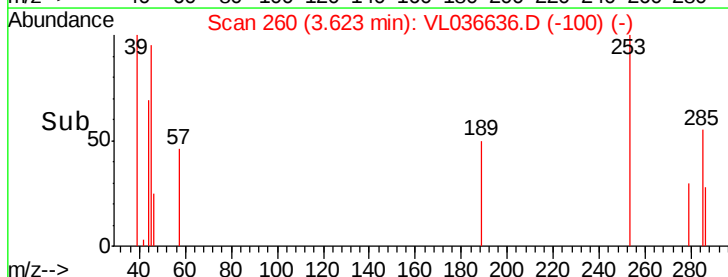


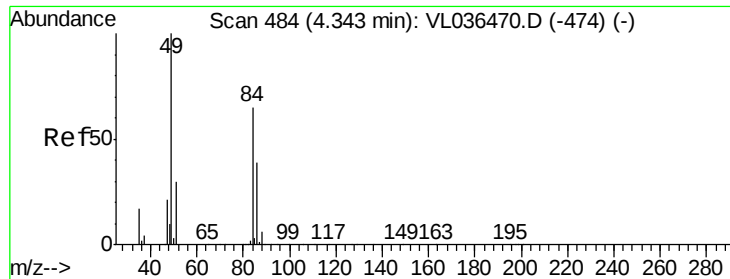
Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.62

Time-->

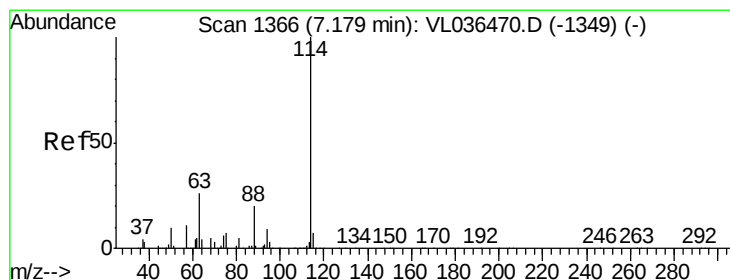
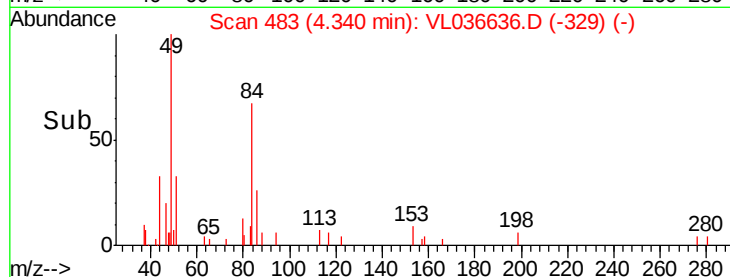
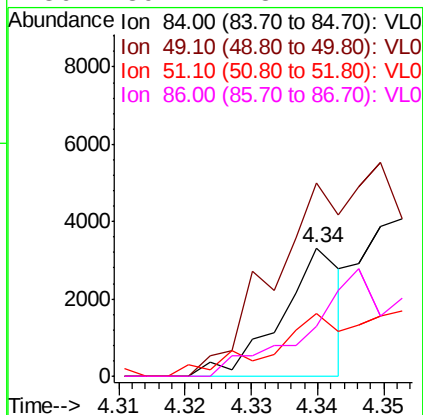
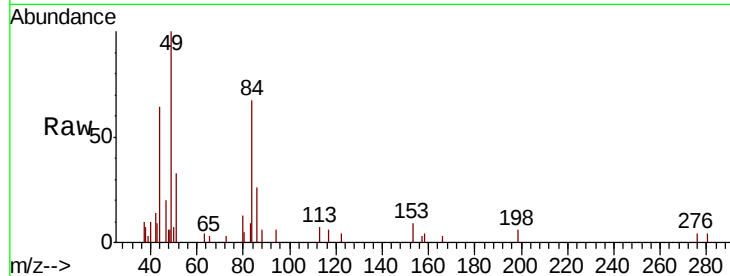




#20
Methylene Chloride
Concen: 0.040 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036636.D
Acq: 1 Apr 2021 20:05

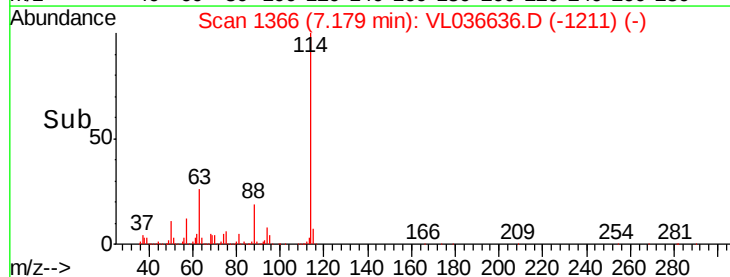
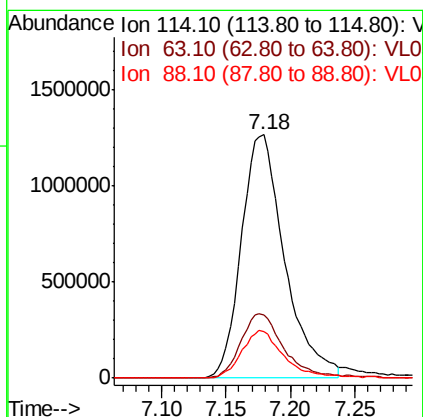
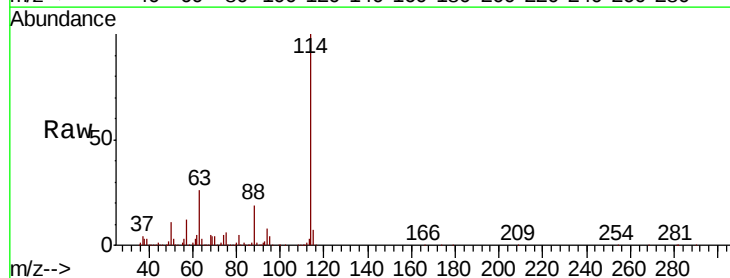
Instrument :
MSVOA_L
ClientSampleId :

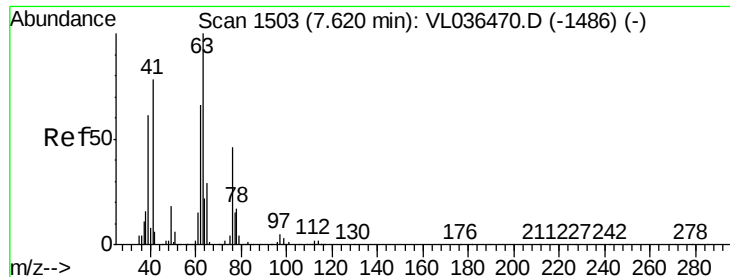
Tot Ion: 84 Resp: 2104
Ion Ratio Lower Upper
84 100
49 150.2 122.9 184.3
51 39.8 36.9 55.3
86 39.1 48.2 72.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VL036636.D
Acq: 1 Apr 2021 20:05

Tgt Ion: 114 Resp: 2964382
Ion Ratio Lower Upper
114 100
63 27.2 22.4 33.6
88 19.6 15.4 23.0

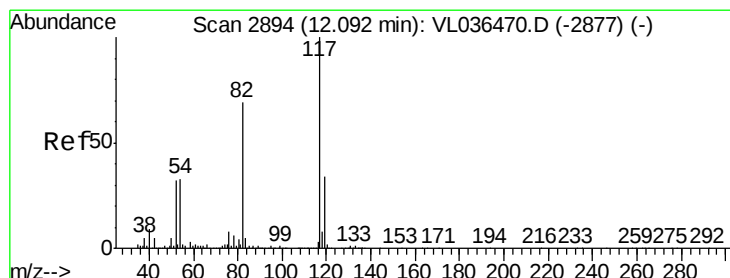
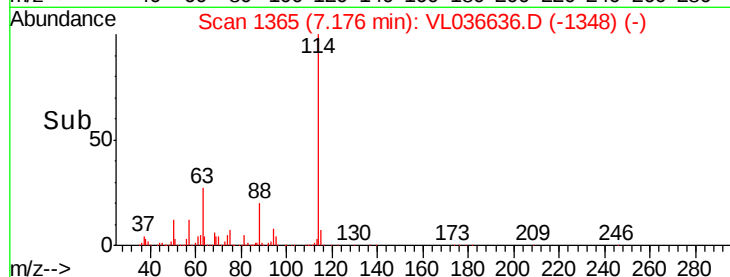
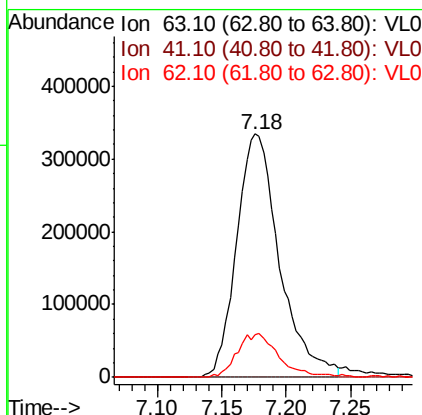
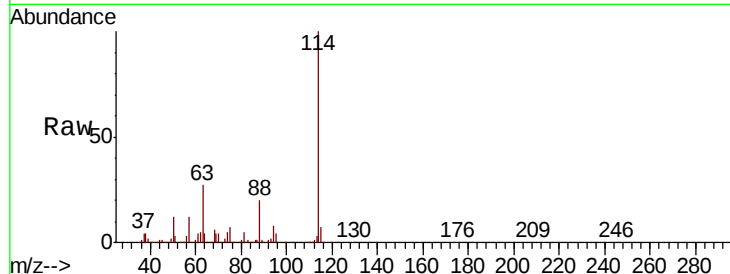




#39
 1,2-Dichloropropane
 Concen: 6.997 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.44 min
 Lab File: VL036636.D
 Acq: 1 Apr 2021 20:05

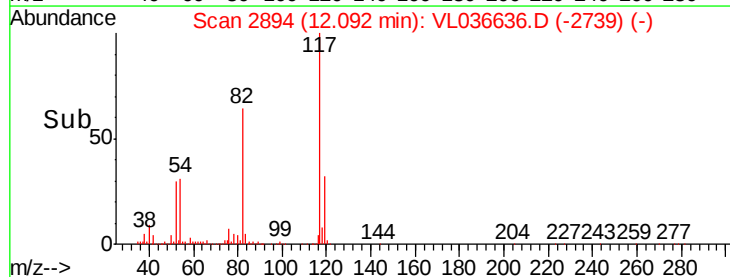
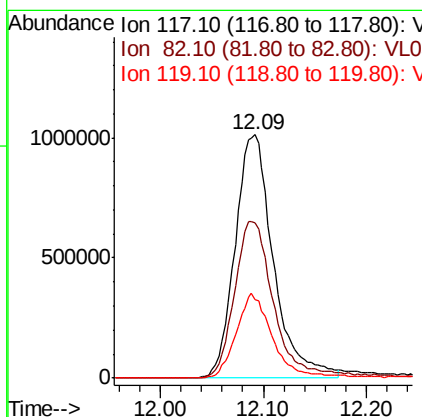
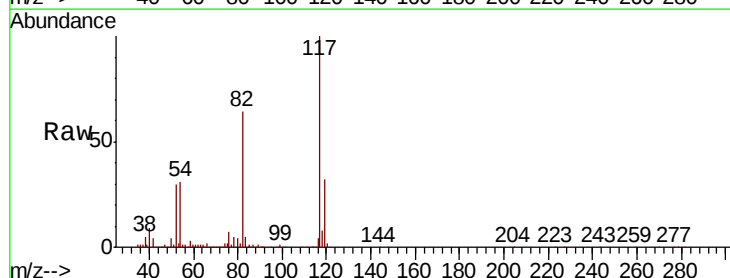
Instrument :
 MSVOA_L
 ClientSampleId :

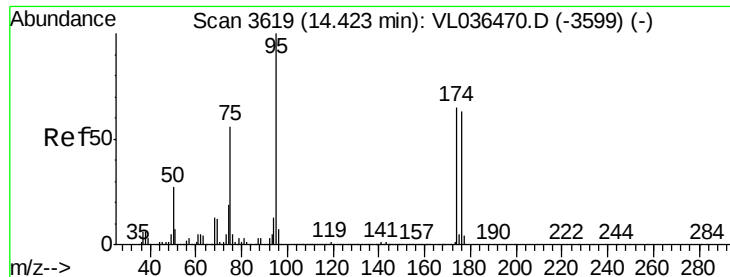
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.4	93.6#
62	17.7	52.8	79.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2894
 Delta R.T. -0.00 min
 Lab File: VL036636.D
 Acq: 1 Apr 2021 20:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.7	57.4	86.0
119	33.4	47.4	71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.272 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL036636.D

Acq: 1 Apr 2021 20:05

Instrument :

MSVOA_L

ClientSampleId :

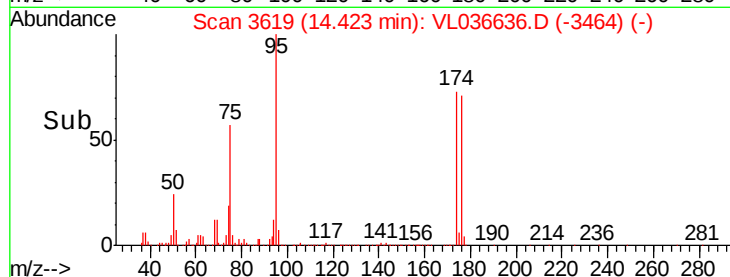
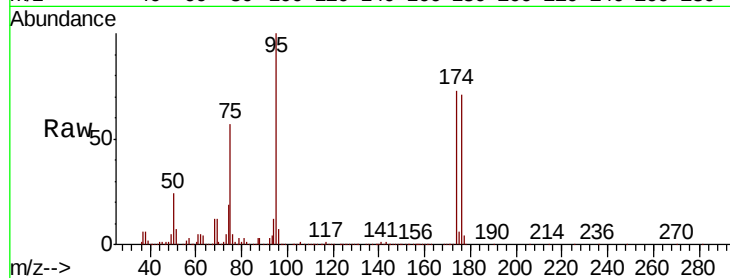
Tot Ion: 95 Resp: 1934122

Ion Ratio Lower Upper

95 100

174 80.4 51.0 76.6#

175 5.7 3.9 5.9



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

