

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036715.D
 Acq On : 7 Apr 2021 2:21
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 07 04:30:43 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	5.67	49	1152636	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2856066	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2536997	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1944741	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

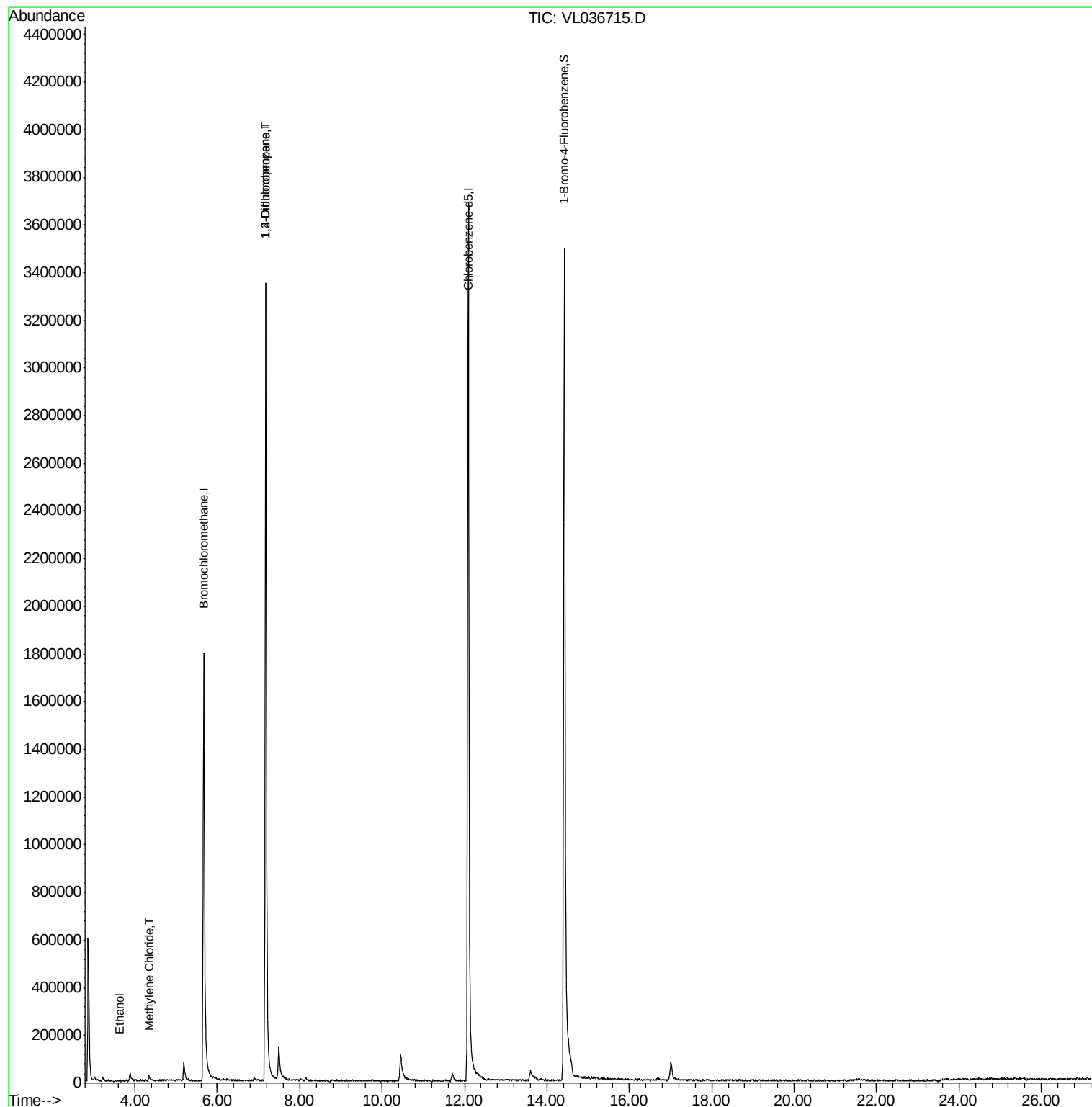
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	1011	0.124	ppbv #	34
20) Methylene Chloride	4.34	84	2266	0.043	ppbv #	72
39) 1,2-Dichloropropane	7.17	63	758901	7.102	ppbv #	23

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

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VIBLK

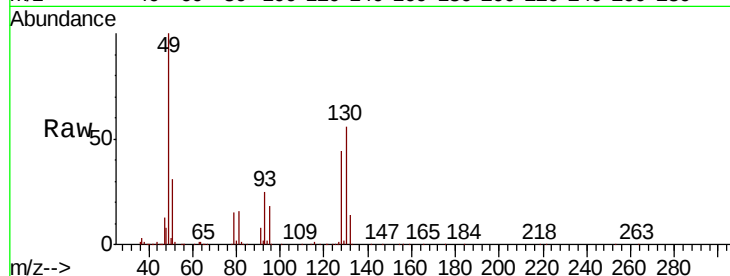
Tot Ion: 49 Resp: 1152636

Ion Ratio Lower Upper

49 100

128 47.5 23.5 70.6

130 61.4 29.1 87.4



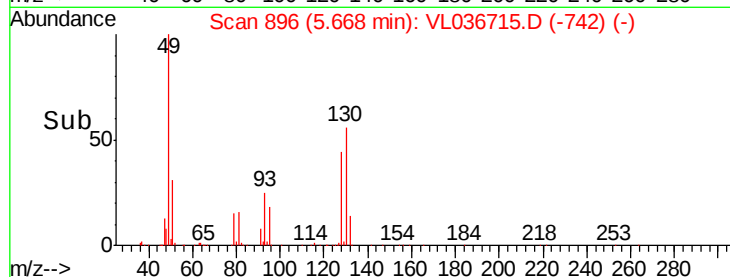
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

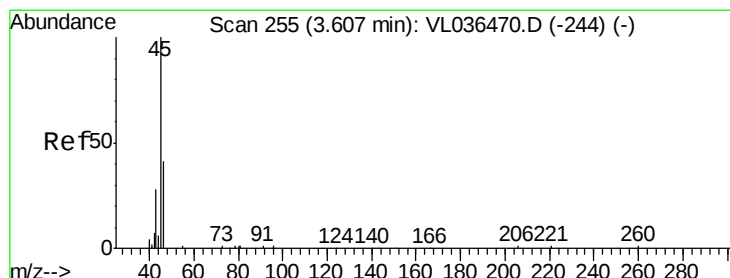
Ion 130.00 (129.70 to 130.70): V

5.67

Time-->



Time-->



#13

Ethanol

Concen: 0.124 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.02 min

Lab File: VL036715.D

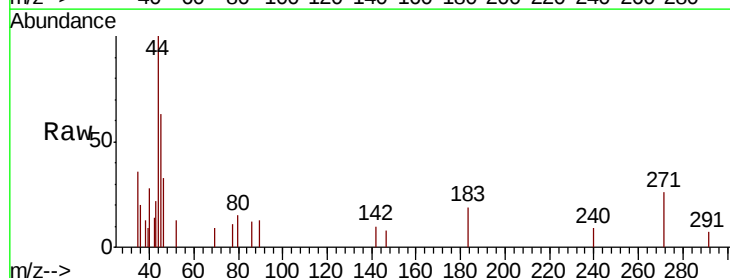
Acq: 7 Apr 2021 2:21

Tgt Ion: 45 Resp: 1011

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#

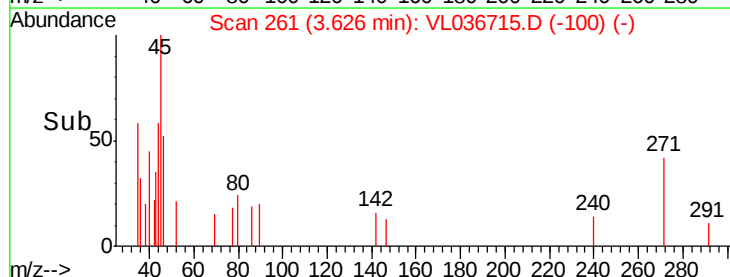


Abundance Ion 45.10 (44.80 to 45.80): VL0

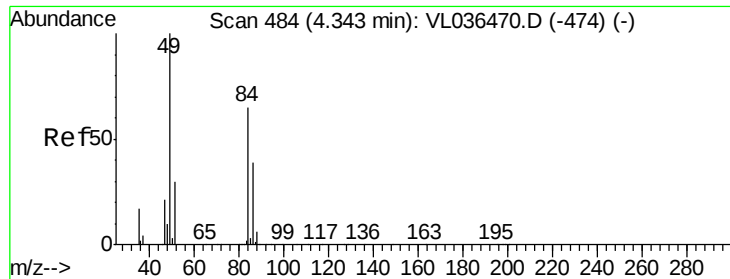
Ion 46.10 (45.80 to 46.80): VL0

3.63

Time-->



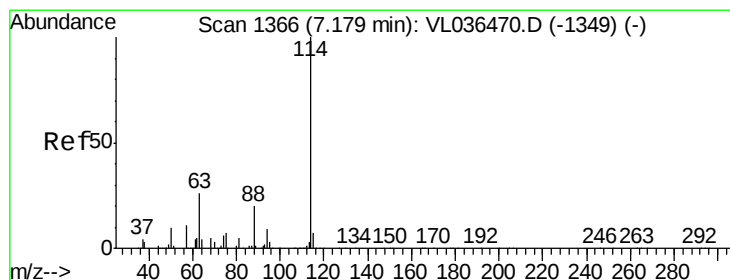
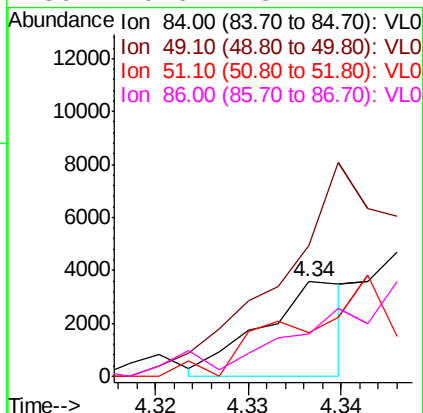
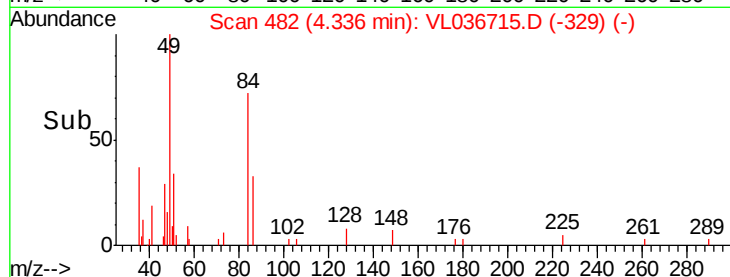
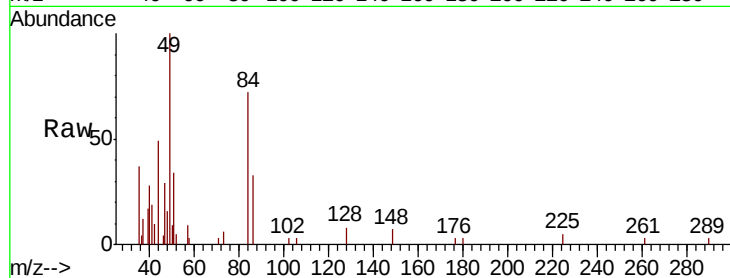
Time-->



#20
Methylene Chloride
Concen: 0.043 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL036715.D
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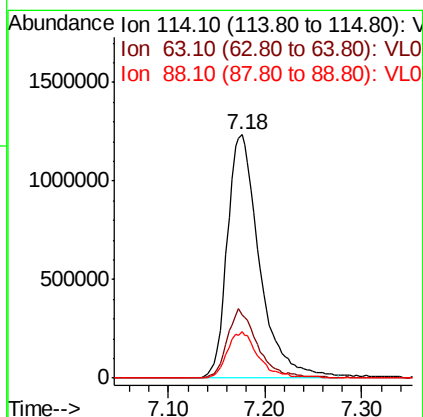
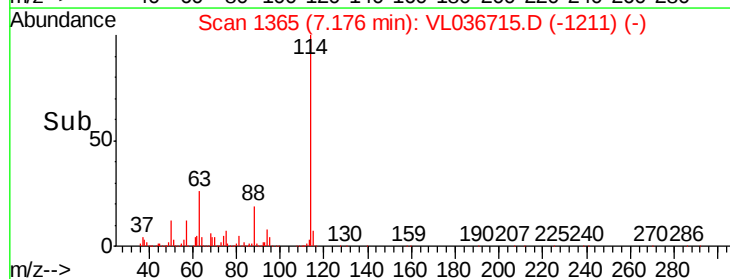
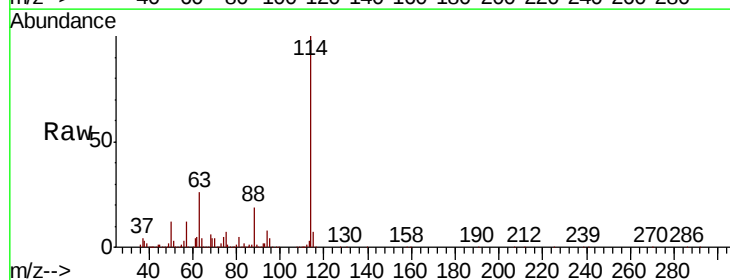
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VIBLK

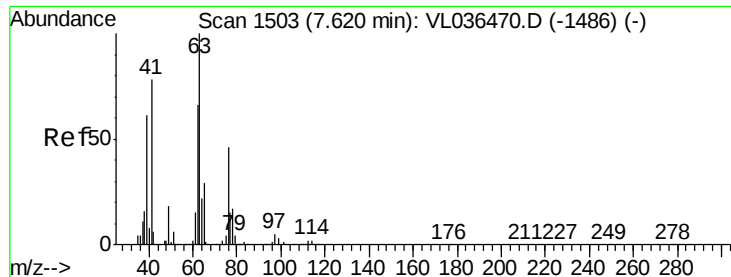
Tot Ion: 84 Resp: 2266
Ion Ratio Lower Upper
84 100
49 124.1 122.9 184.3
51 40.1 36.9 55.3
86 19.6 48.2 72.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036715.D
Acq: 7 Apr 2021 2:21

Tgt Ion: 114 Resp: 2856066
Ion Ratio Lower Upper
114 100
63 27.5 22.4 33.6
88 18.8 15.4 23.0

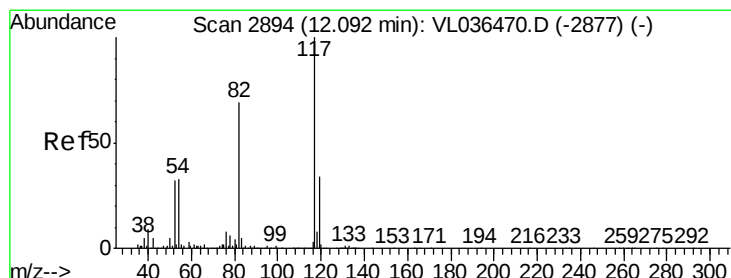
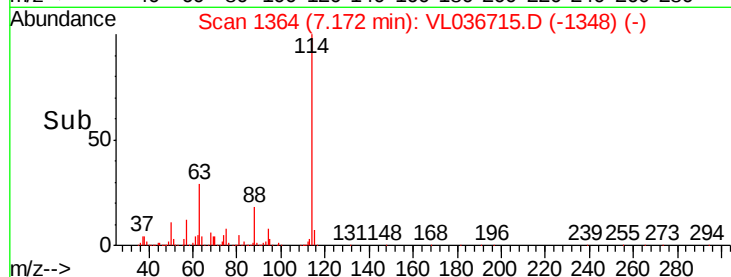
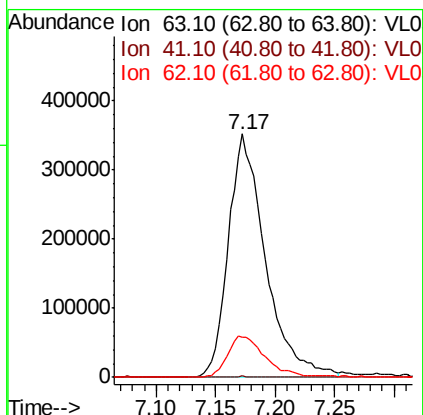
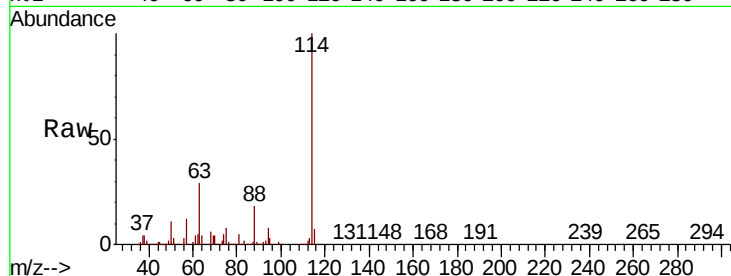




#39
 1,2-Dichloropropane
 Concen: 7.102 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL036715.D
 Acq: 7 Apr 2021 2:21

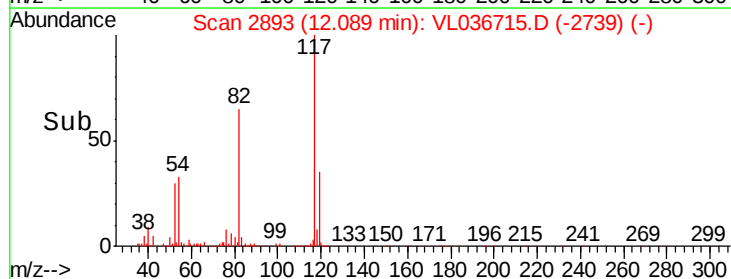
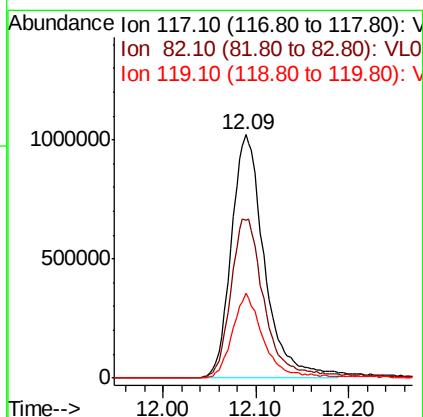
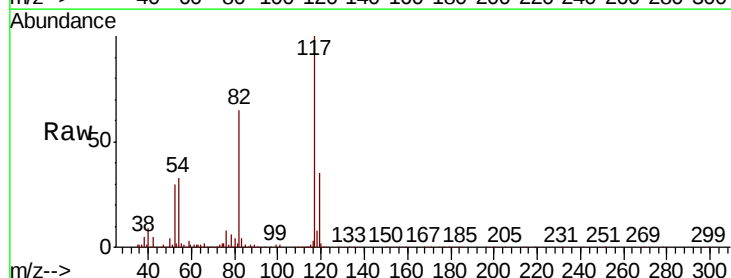
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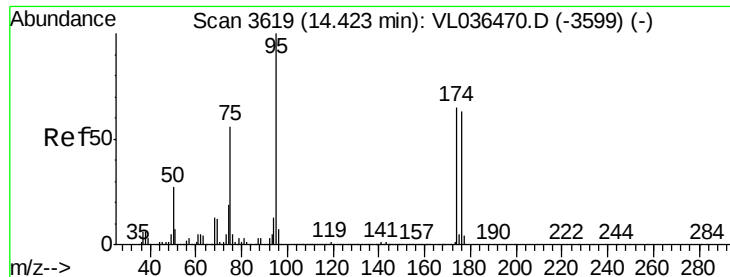
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.4	62.4	93.6#
62	16.3	52.8	79.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2893
 Delta R.T. -0.00 min
 Lab File: VL036715.D
 Acq: 7 Apr 2021 2:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.1	57.4	86.0
119	33.1	47.4	71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.618 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL036715.D

Acq: 7 Apr 2021 2:21

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

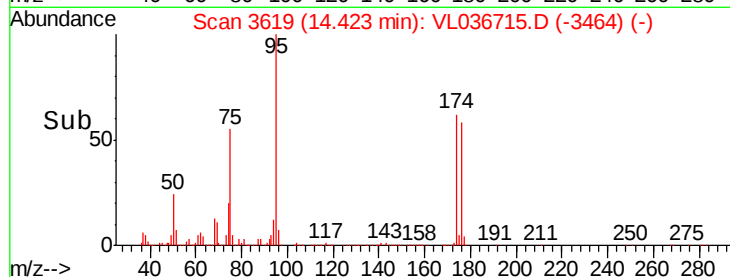
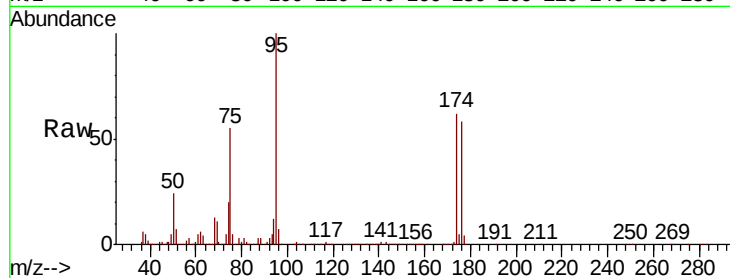
Tot Ion: 95 Resp: 1944741

Ion Ratio Lower Upper

95 100

174 67.6 51.0 76.6

175 5.3 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

