

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036736.D
 Acq On : 7 Apr 2021 21:21
 Operator : SY/AP
 Sample : M1929-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 Z18A-SS01DL

Quant Time: Apr 08 02:43:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 01:58:43 2021
 QLast Update : Thu Apr 08 01:58:43 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1273656	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3181536	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2603741	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2073052	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

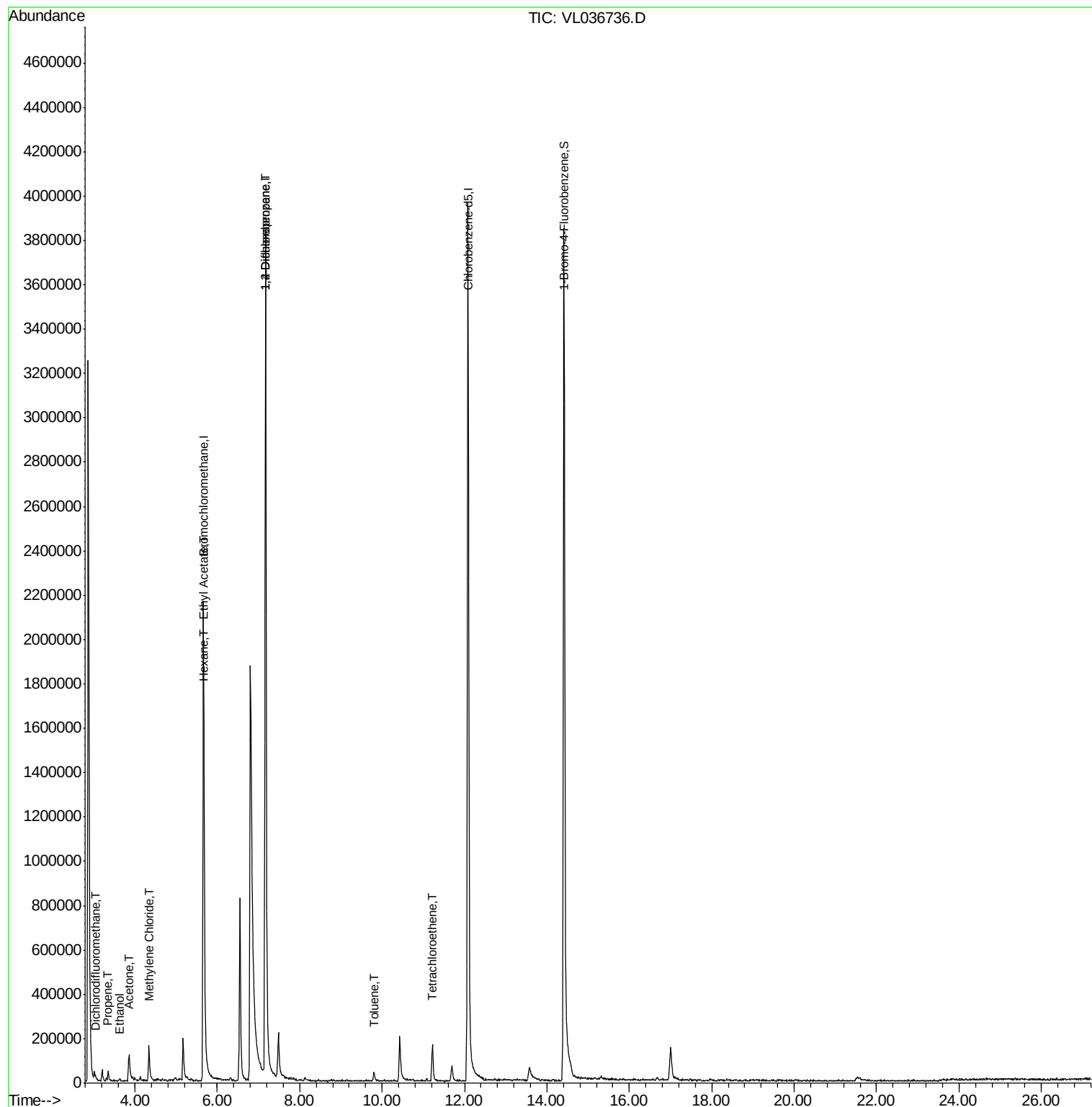
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	10692	0.051	ppbv	98
9) Propene	3.35	41	11672	0.154	ppbv	99
13) Ethanol	3.61	45	7847	0.869	ppbv #	34
15) Acetone	3.85	43	150402	1.200	ppbv #	78
20) Methylene Chloride	4.34	84	34217	0.583	ppbv	96
25) Ethyl Acetate	5.68	43	17878	0.060	ppbv #	88
26) Hexane	5.68	57	35536	0.257	ppbv #	43
39) 1,2-Dichloropropane	7.17	63	799350	6.716	ppbv #	24
52) Tetrachloroethene	11.22	164	26887	0.249	ppbv	94
53) Toluene	9.80	91	19120	0.061	ppbv #	55

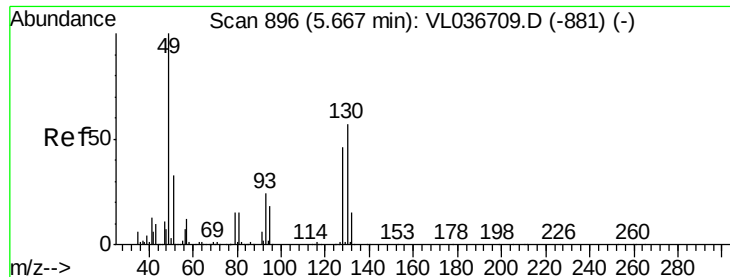
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040721\
Data File : VL036736.D
Acq On : 7 Apr 2021 21:21
Operator : SY/AP
Sample : M1929-06DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
Z18A-SS01DL

Quant Time: Apr 08 02:43:16 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Apr 08 01:58:43 2021
QLast Update : Thu Apr 08 01:58:43 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036736.D

Acq: 7 Apr 2021 21:21

Instrument :

MSVOA_L

ClientSampleId :

Z18A-SS01DL

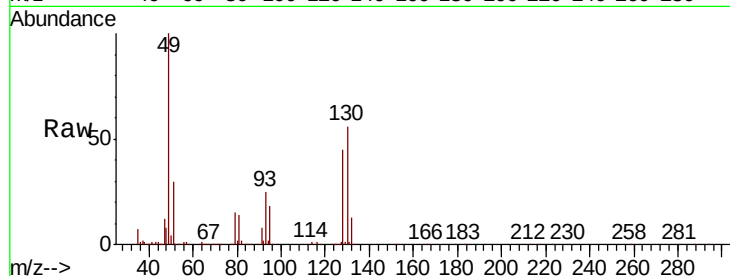
Tot Ion: 49 Resp: 1273656

Ion Ratio Lower Upper

49 100

128 46.3 23.5 70.6

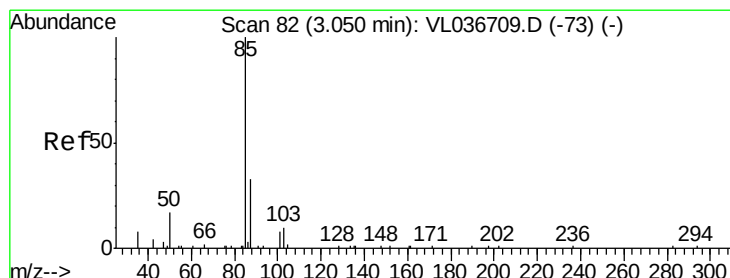
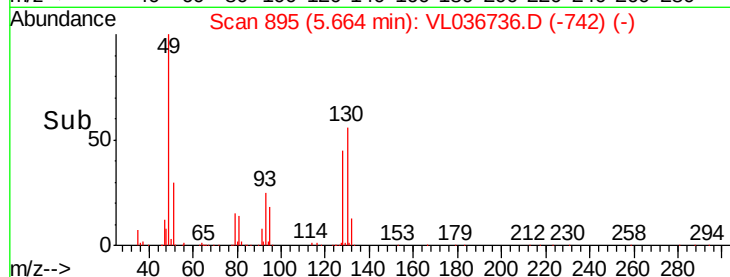
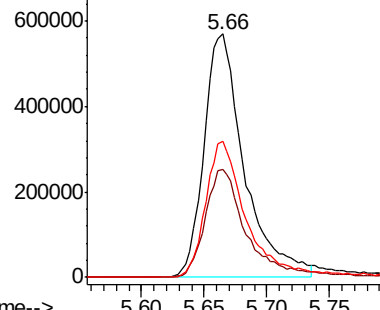
130 58.1 29.1 87.4



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



#2

Dichlorodifluoromethane

Concen: 0.051 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036736.D

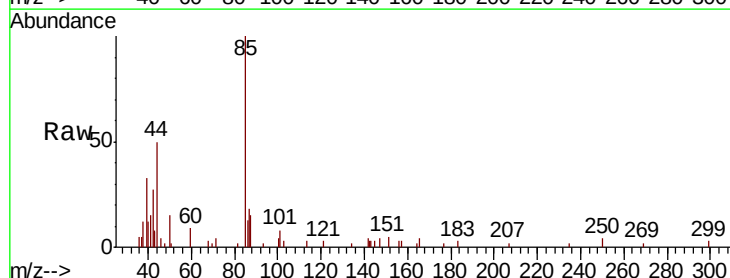
Acq: 7 Apr 2021 21:21

Tgt Ion: 85 Resp: 10692

Ion Ratio Lower Upper

85 100

87 33.5 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

10000

8000

6000

4000

2000

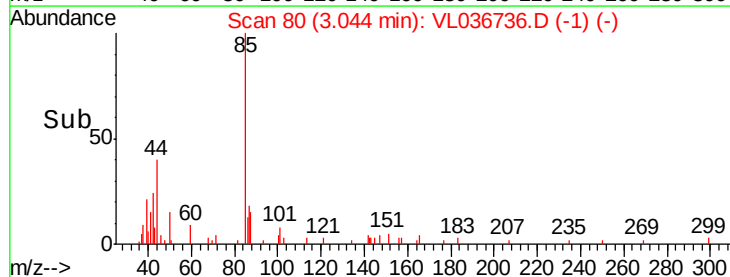
0

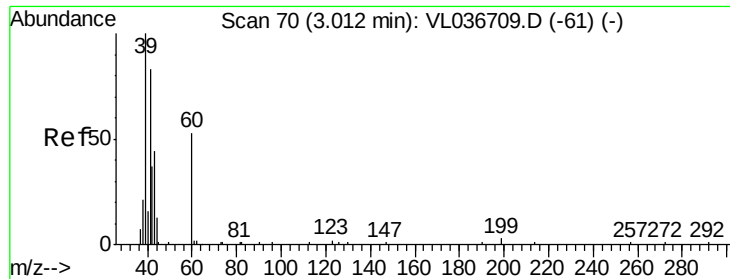
3.00

3.05

3.10

Time-->





#9

Propene

Concen: 0.154 ppbv

RT: 3.35 min Scan# 176

Delta R.T. 0.34 min

Lab File: VL036736.D

Acq: 7 Apr 2021 21:21

Instrument :

MSVOA_L

ClientSampleId :

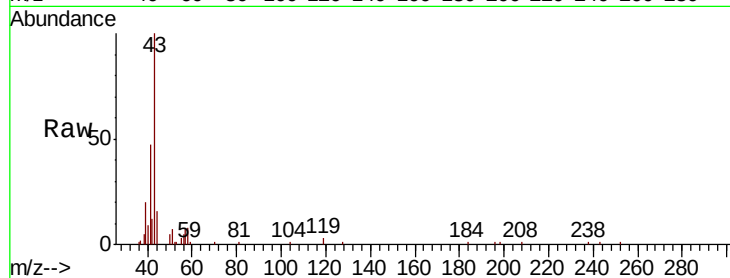
Z18A-SS01DL

Tot Ion: 41 Resp: 11672

Ion Ratio Lower Upper

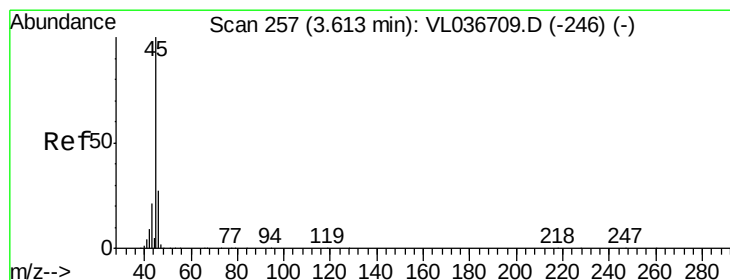
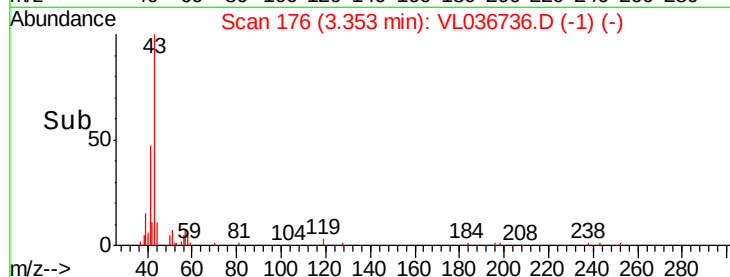
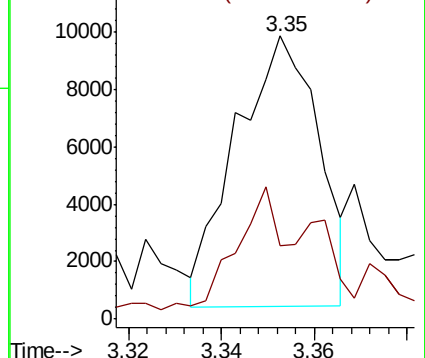
41 100

42 70.6 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.869 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL036736.D

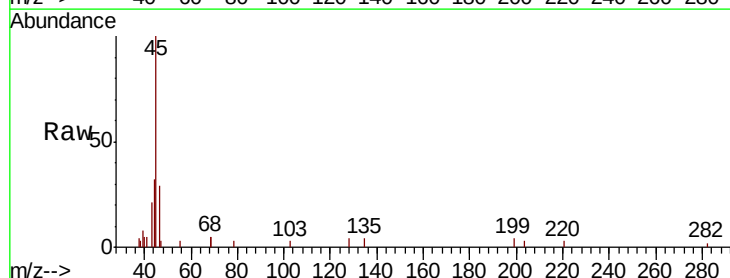
Acq: 7 Apr 2021 21:21

Tgt Ion: 45 Resp: 7847

Ion Ratio Lower Upper

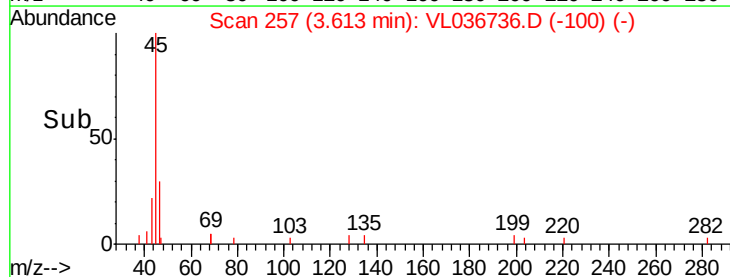
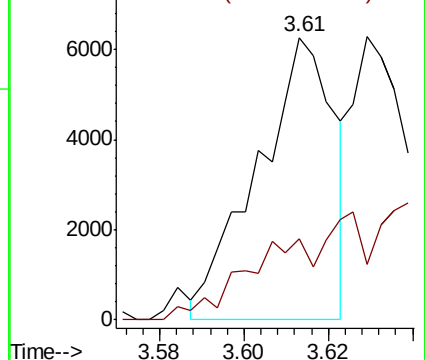
45 100

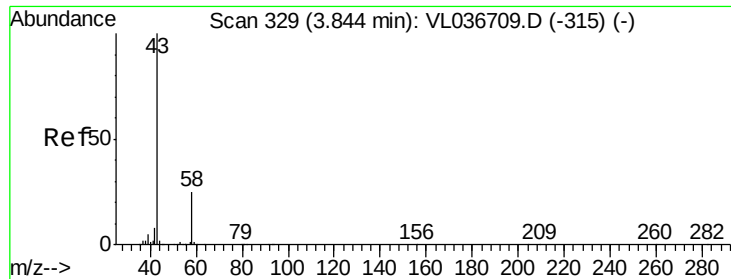
46 0.0 16.6 66.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.200 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL036736.D

Acq: 7 Apr 2021 21:21

Instrument :

MSVOA_L

ClientSampleId :

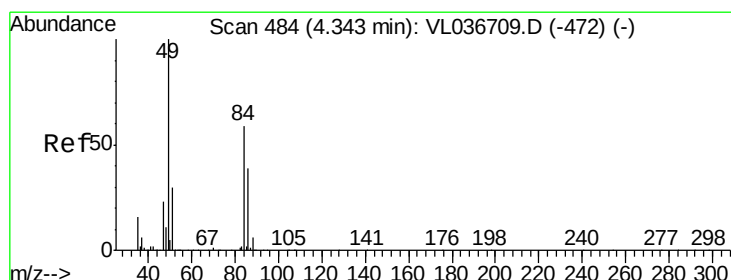
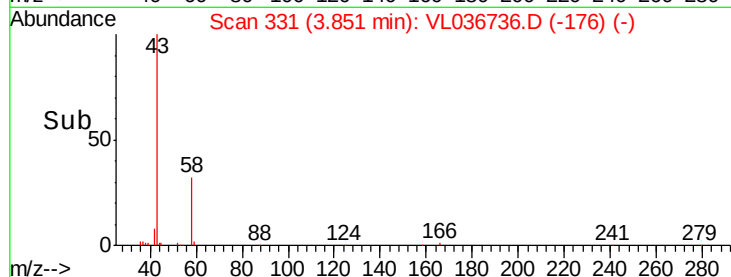
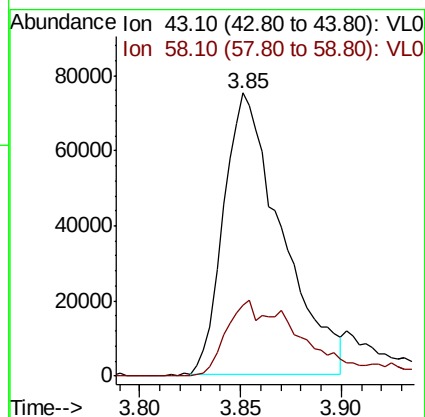
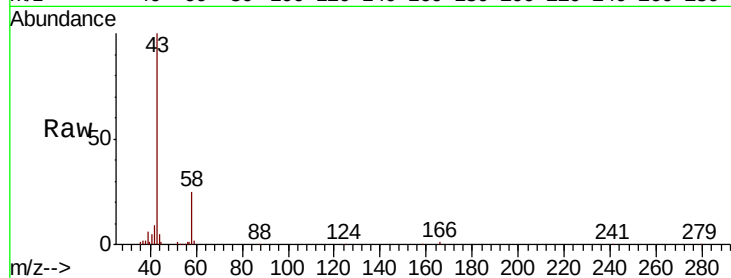
Z18A-SS01DL

Tot Ion: 43 Resp: 150402

Ion Ratio Lower Upper

43 100

58 37.8 21.2 31.8#



#20

Methylene Chloride

Concen: 0.583 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036736.D

Acq: 7 Apr 2021 21:21

Tgt Ion: 84 Resp: 34217

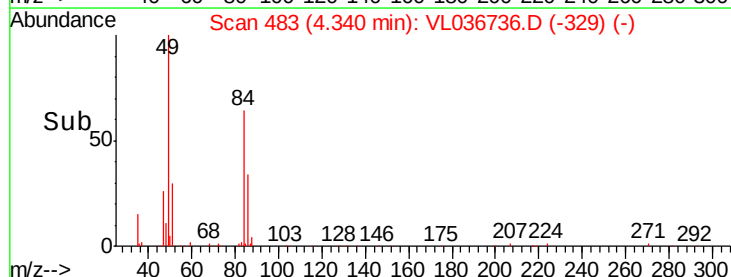
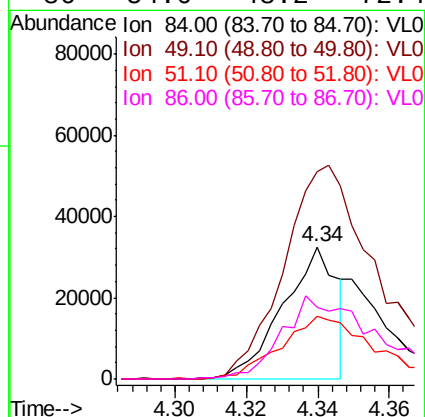
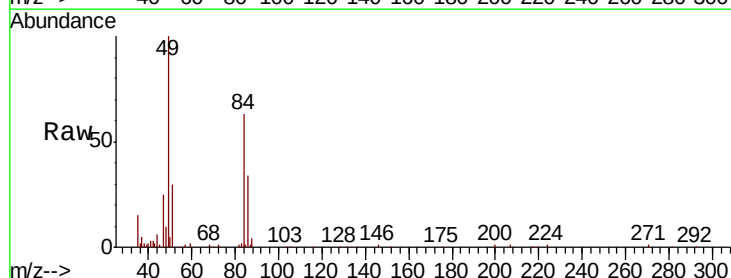
Ion Ratio Lower Upper

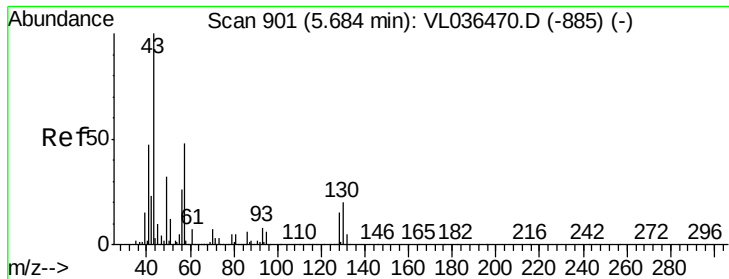
84 100

49 157.6 122.9 184.3

51 47.6 36.9 55.3

86 54.0 48.2 72.4

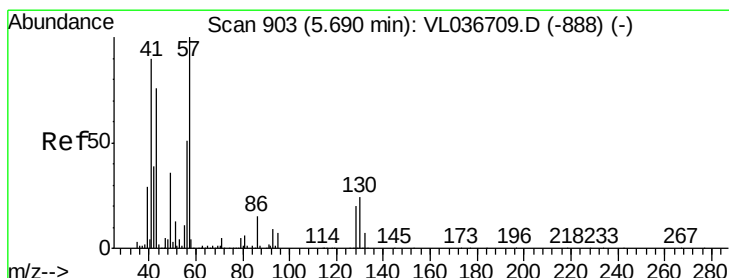
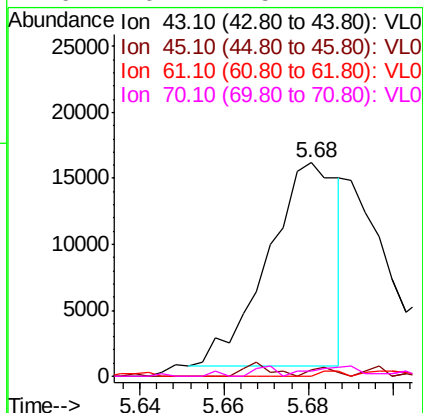
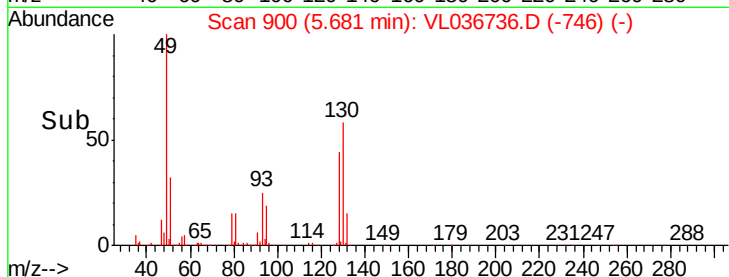
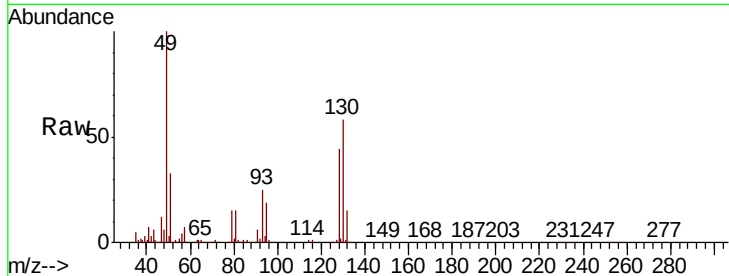




#25
Ethyl Acetate
Concen: 0.060 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

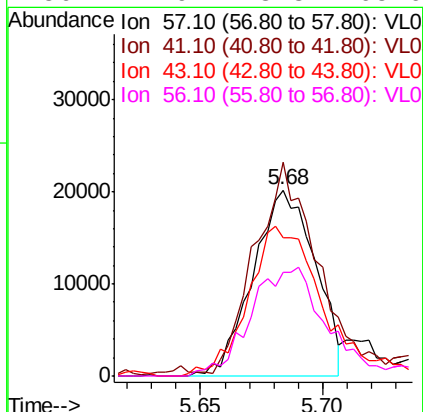
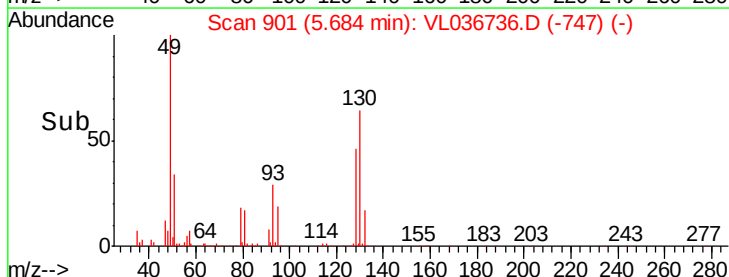
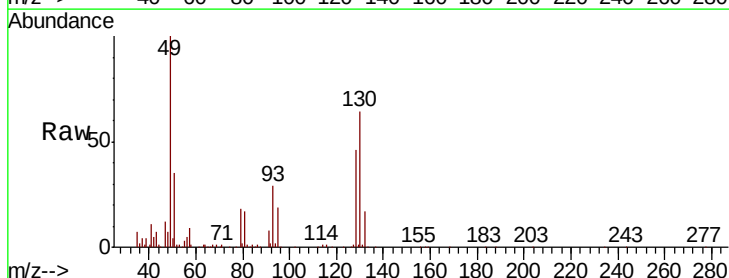
Instrument :
MSVOA_L
ClientSampleId :
Z18A-SS01DL

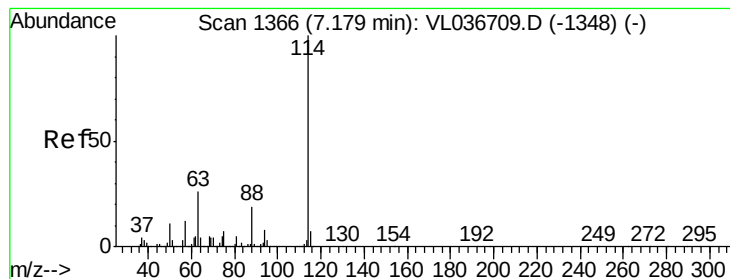
Tot Ion:	43	Resp:	17878
Ion	Ratio	Lower	Upper
43	100		
45	5.2	7.9	11.9#
61	2.7	7.4	11.2#
70	6.1	5.1	7.7



#26
Hexane
Concen: 0.257 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036736.D
Acq: 7 Apr 2021 21:21

Tgt Ion:	57	Resp:	35536
Ion	Ratio	Lower	Upper
57	100		
41	127.6	77.2	115.8#
43	97.5	173.8	260.6#
56	74.9	43.8	65.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL036736.D

Acq: 7 Apr 2021 21:21

Instrument :

MSVOA_L

ClientSampleId :

Z18A-SS01DL

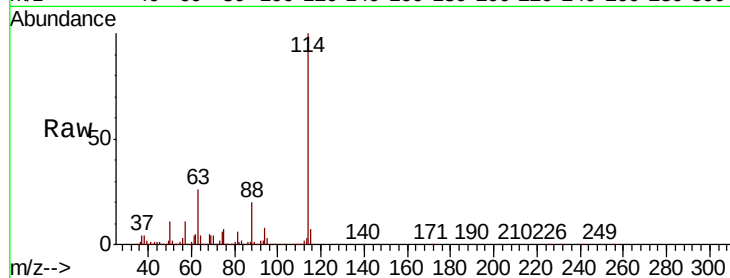
Tot Ion:114 Resp: 3181536

Ion Ratio Lower Upper

114 100

63 26.8 22.4 33.6

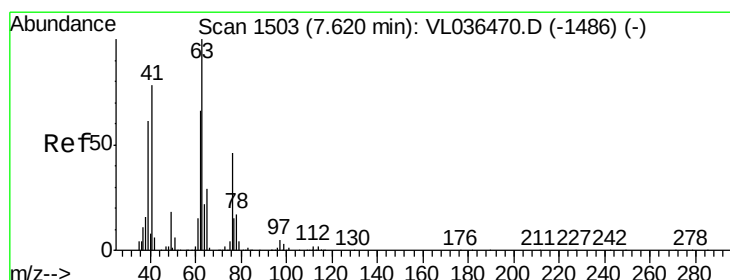
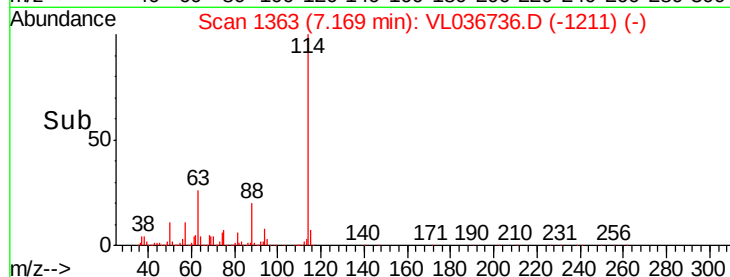
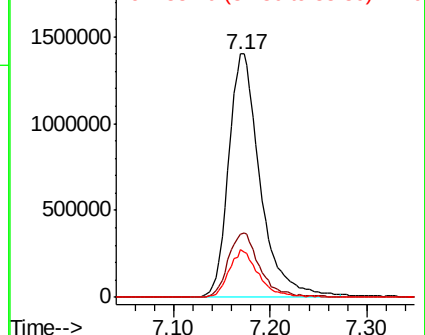
88 18.4 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 6.716 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL036736.D

Acq: 7 Apr 2021 21:21

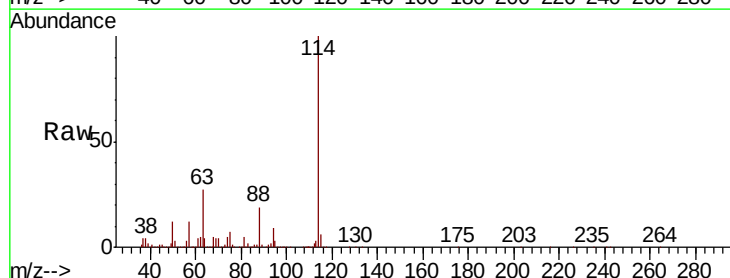
Tgt Ion: 63 Resp: 799350

Ion Ratio Lower Upper

63 100

41 0.3 62.4 93.6#

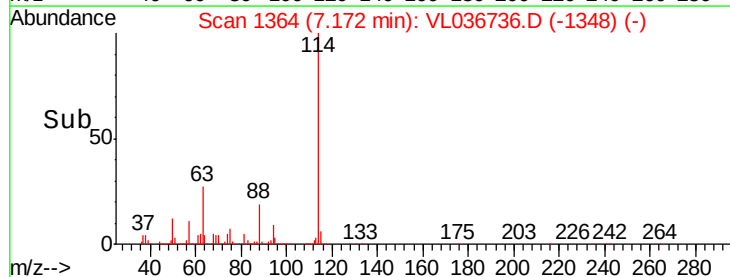
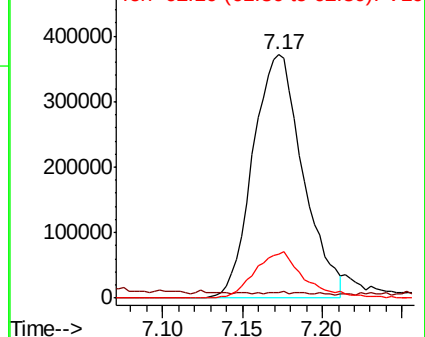
62 18.2 52.8 79.2#

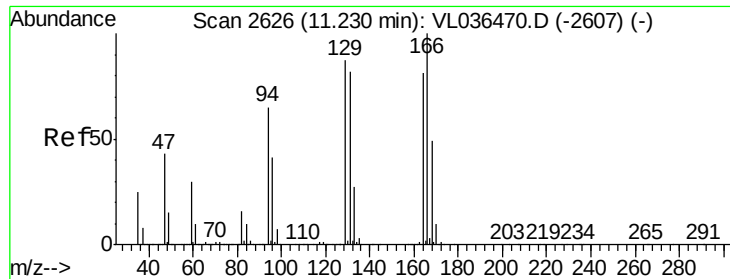


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.249 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL036736.D

Acq: 7 Apr 2021 21:21

Instrument :

MSVOA_L

ClientSampleId :

Z18A-SS01DL

Tot Ion:164 Resp: 26887

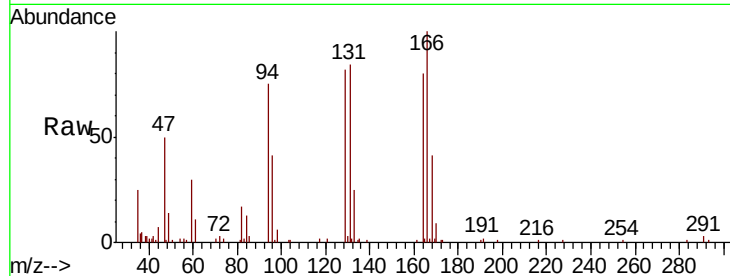
Ion Ratio Lower Upper

164 100

166 121.7 98.3 147.5

129 94.1 85.8 128.8

131 104.6 80.9 121.3

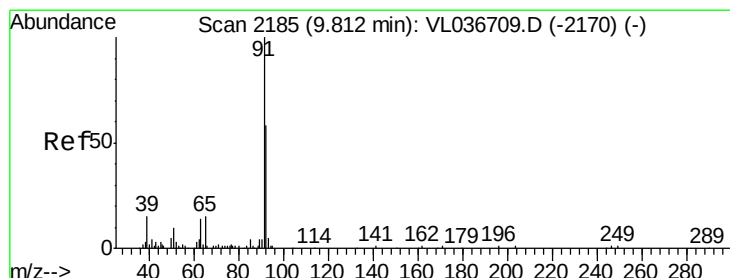
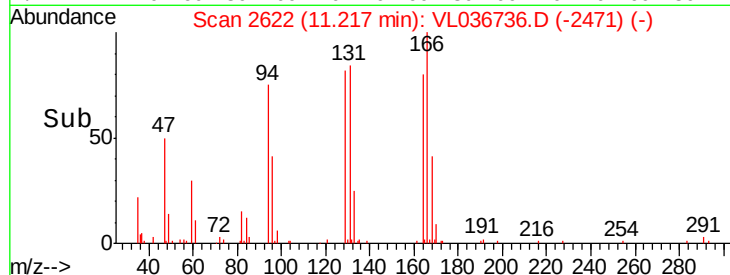
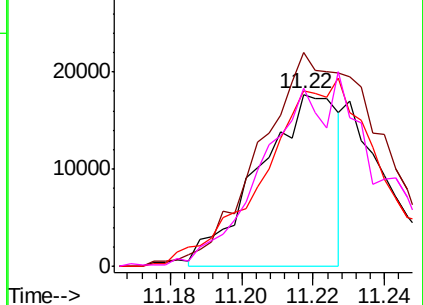


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.061 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL036736.D

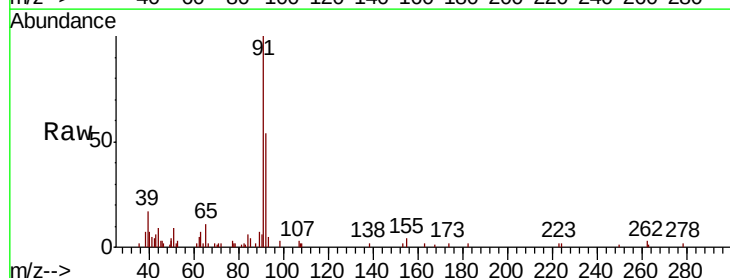
Acq: 7 Apr 2021 21:21

Tgt Ion: 91 Resp: 19120

Ion Ratio Lower Upper

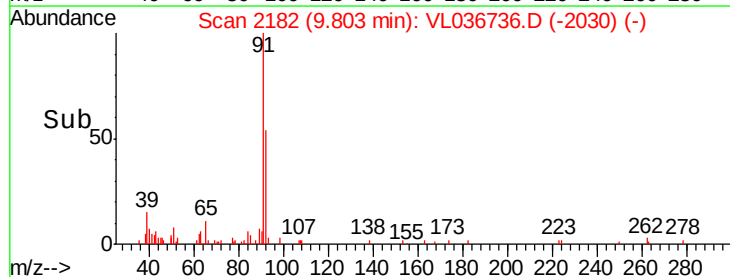
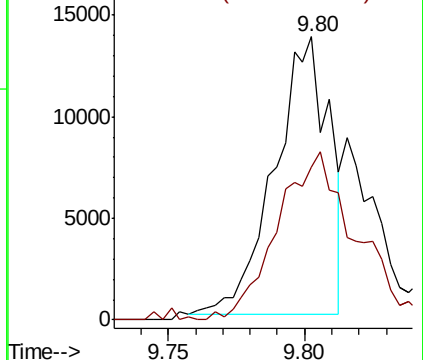
91 100

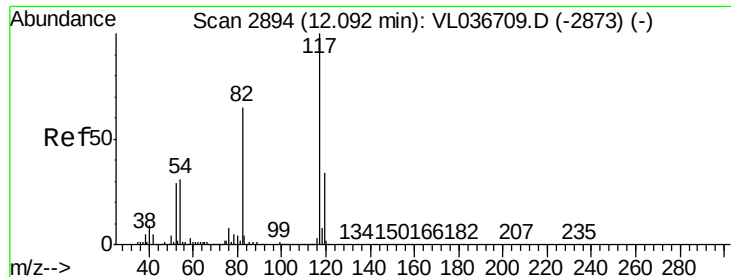
92 95.5 48.8 73.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL036736.D

Acq: 7 Apr 2021 21:21

Instrument :

MSVOA_L

ClientSampleId :

Z18A-SS01DL

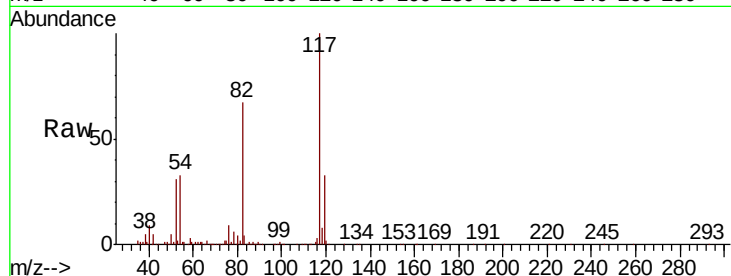
Tot Ion:117 Resp: 2603741

Ion Ratio Lower Upper

117 100

82 70.0 57.4 86.0

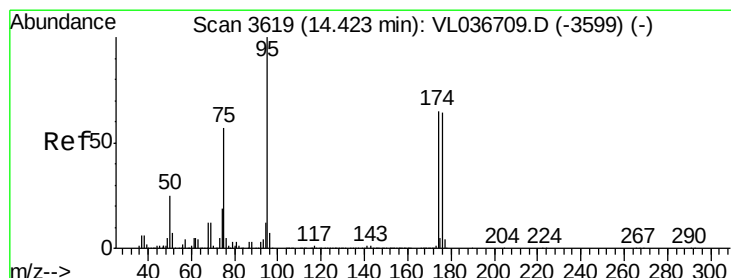
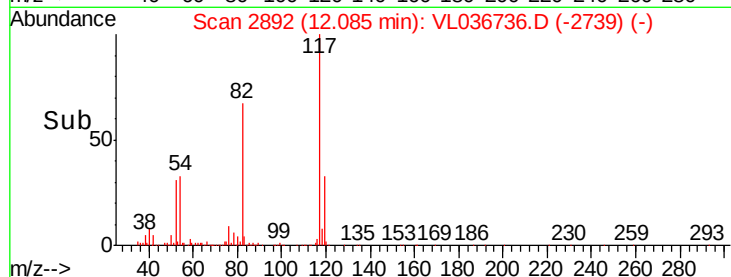
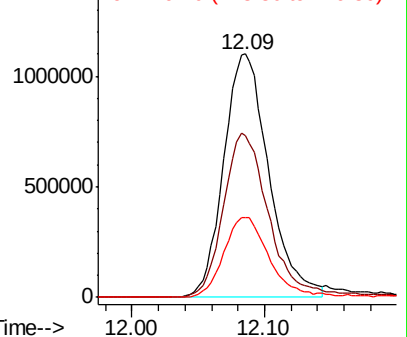
119 34.3 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.990 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036736.D

Acq: 7 Apr 2021 21:21

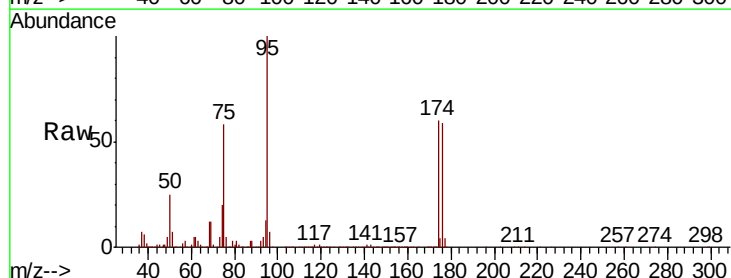
Tgt Ion: 95 Resp: 2073052

Ion Ratio Lower Upper

95 100

174 64.0 51.0 76.6

175 4.6 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

