

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040721\
 Data File : VL036742.D
 Acq On : 8 Apr 2021 1:18
 Operator : SY/AP
 Sample : M1929-09DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-IA-03DL

Quant Time: Apr 08 02:44:46 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	1197646	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	2997155	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2452772	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1919808	9.82	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

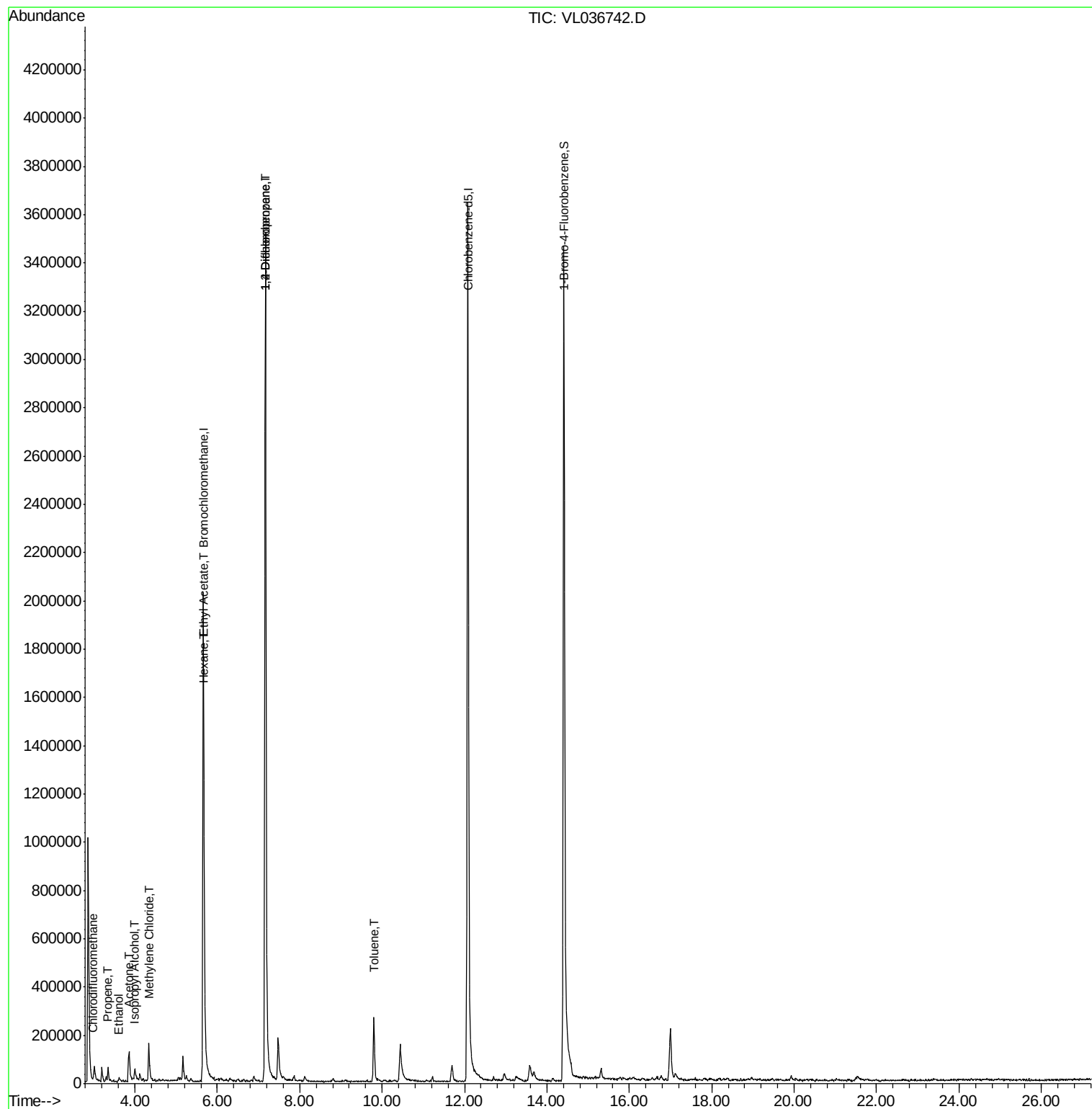
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	9223	0.041	ppbv	93
9) Propene	3.35	41	15161	0.213	ppbv	88
13) Ethanol	3.59	45	1391	0.164	ppbv #	34
15) Acetone	3.85	43	147375	1.250	ppbv #	78
19) Isopropyl Alcohol	3.99	45	59634	0.920	ppbv #	89
20) Methylene Chloride	4.34	84	54670	0.991	ppbv #	88
25) Ethyl Acetate	5.68	43	18122	0.065	ppbv #	89
26) Hexane	5.68	57	38695	0.298	ppbv #	43
39) 1,2-Dichloropropane	7.17	63	783420	6.987	ppbv #	23
53) Toluene	9.80	91	214537	0.729	ppbv	97

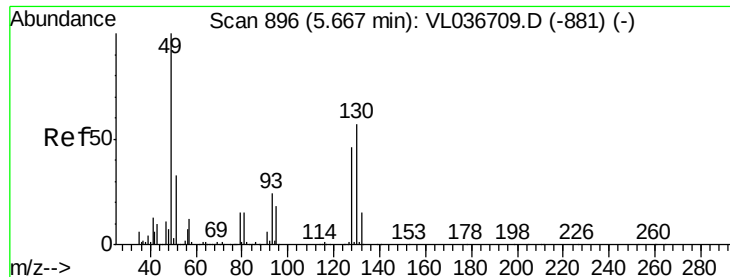
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
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QLast Update : Thu Apr 08 01:58:43 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036742.D

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Instrument :

MSVOA_L

ClientSampleId :

FS-IA-03DL

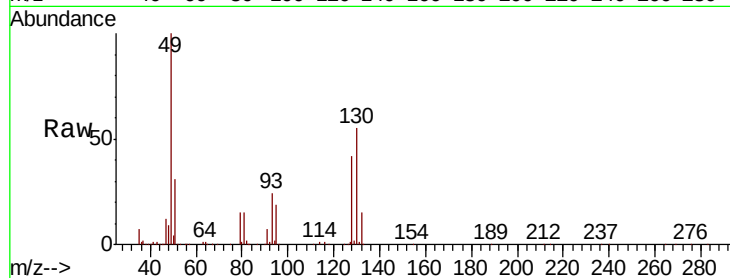
Tot Ion: 49 Resp: 1197646

Ion Ratio Lower Upper

49 100

128 46.4 23.5 70.6

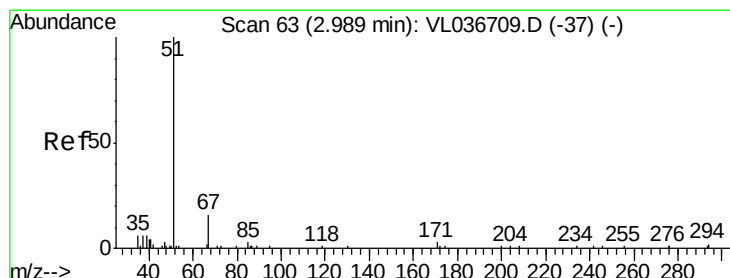
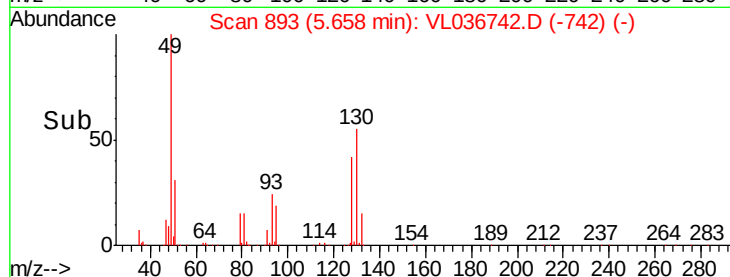
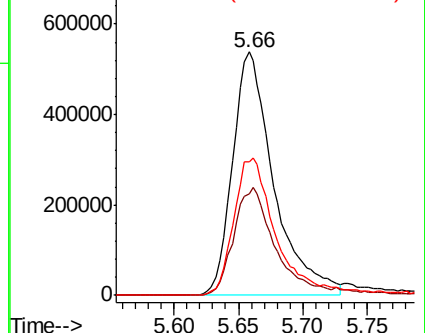
130 60.8 29.1 87.4



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



#3

Chlorodifluoromethane

Concen: 0.041 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL036742.D

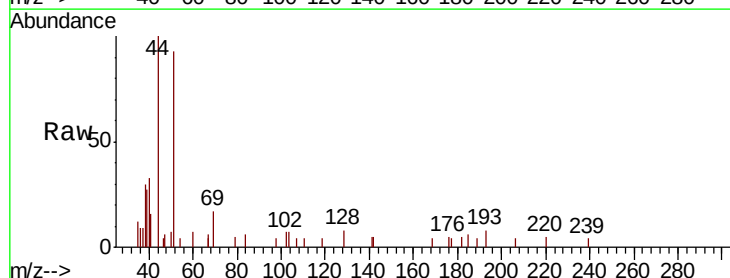
Acq: 8 Apr 2021 1:18

Tgt Ion: 51 Resp: 9223

Ion Ratio Lower Upper

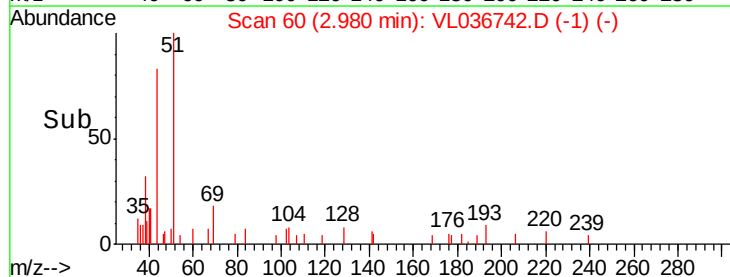
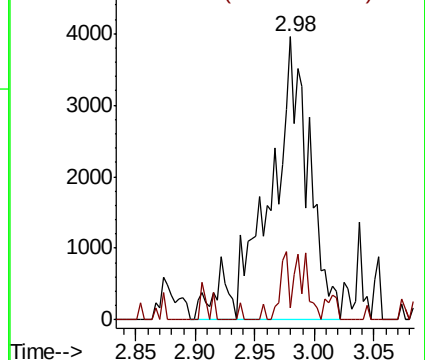
51 100

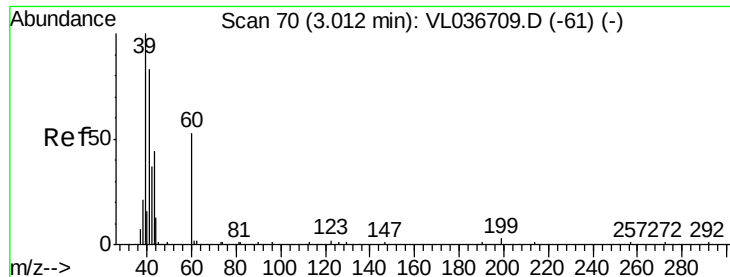
67 15.4 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.213 ppbv

RT: 3.35 min Scan# 174

Delta R.T. 0.34 min

Lab File: VL036742.D

Acq: 8 Apr 2021 1:18

Instrument :

MSVOA_L

ClientSampleId :

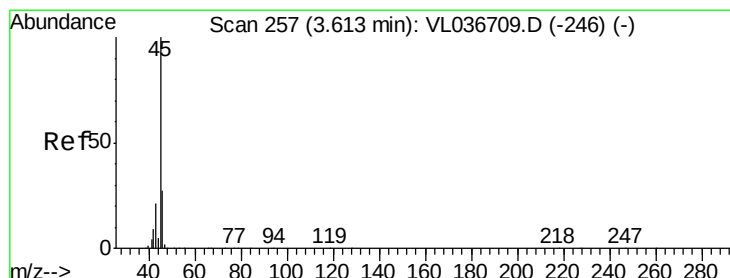
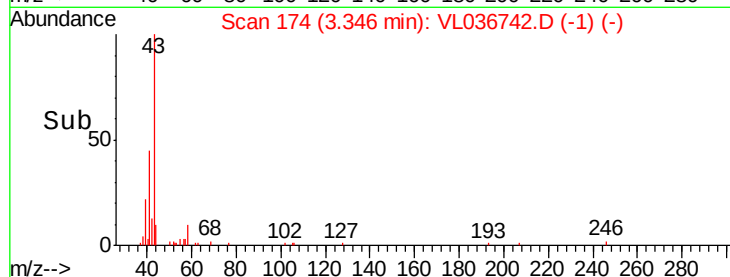
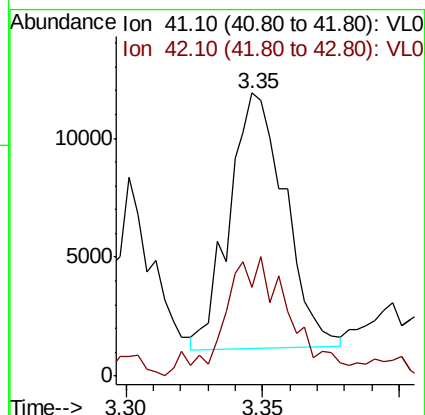
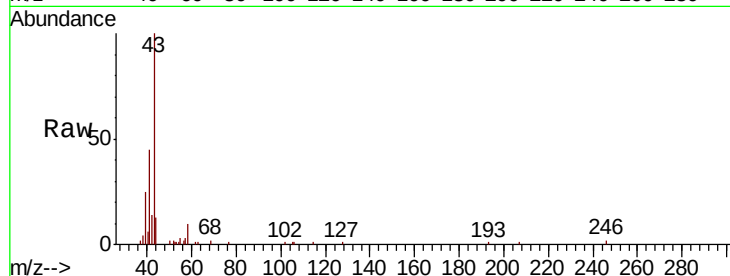
FS-IA-03DL

Tot Ion: 41 Resp: 15161

Ion Ratio Lower Upper

41 100

42 61.6 57.0 85.4



#13

Ethanol

Concen: 0.164 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL036742.D

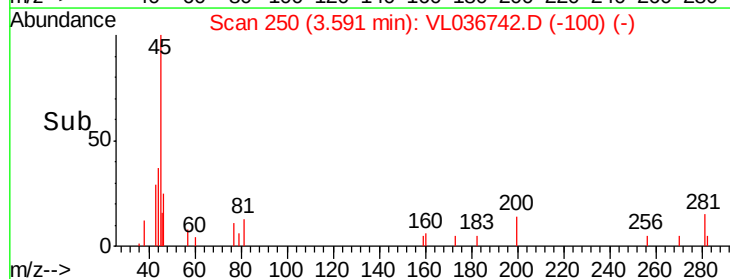
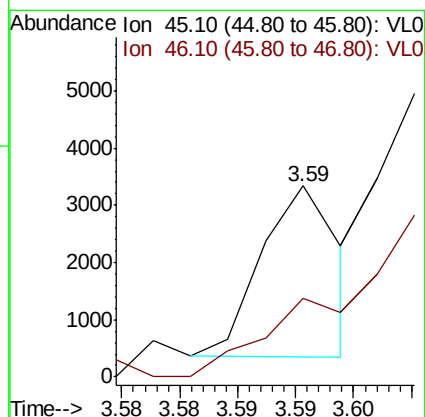
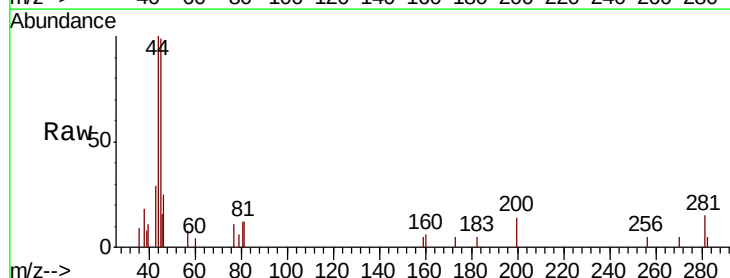
Acq: 8 Apr 2021 1:18

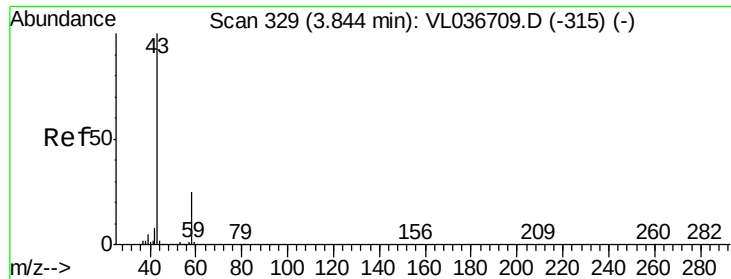
Tgt Ion: 45 Resp: 1391

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#

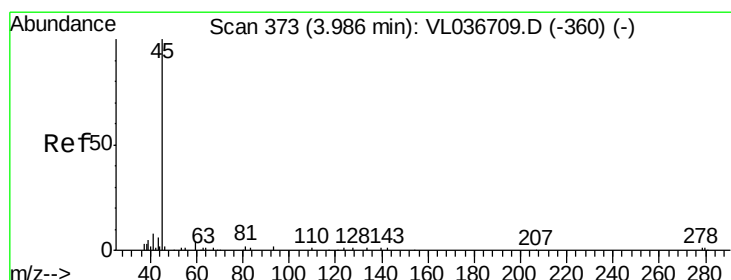
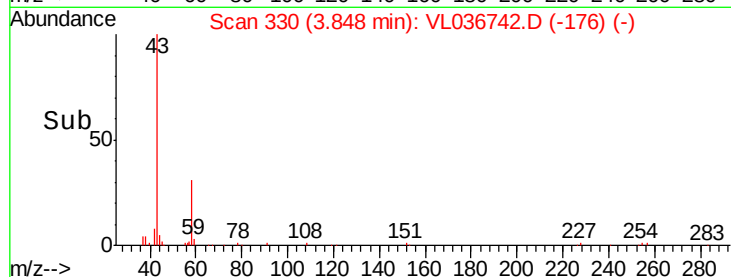
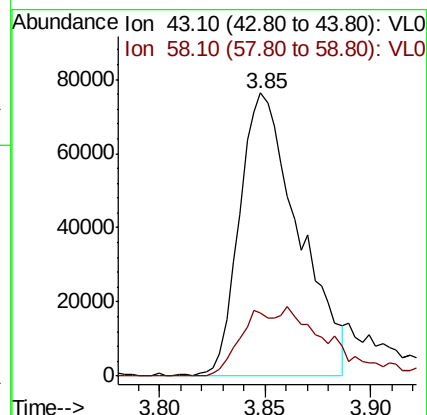
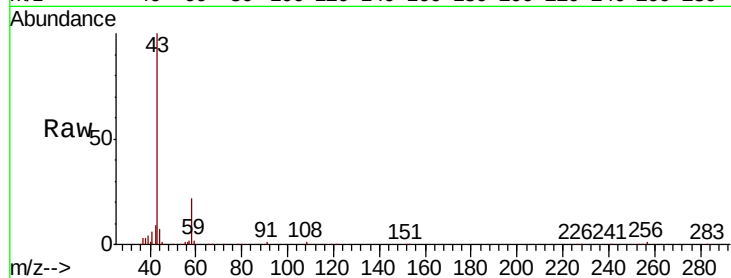




#15
Acetone
Concen: 1.250 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036742.D
Acq: 8 Apr 2021 1:18

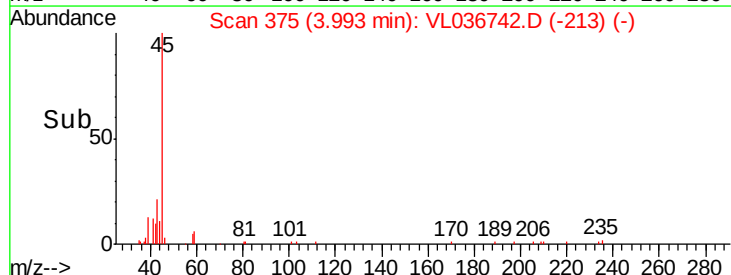
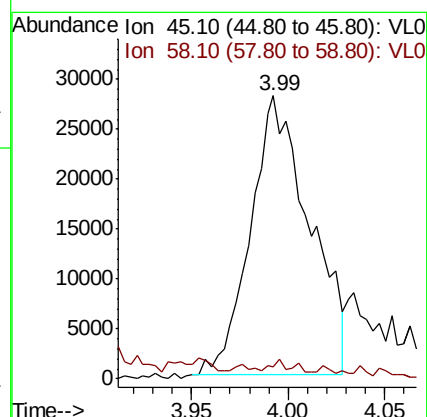
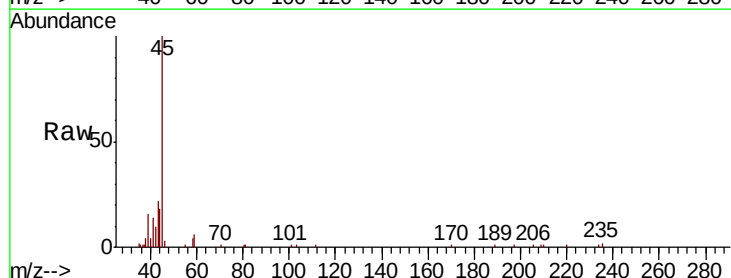
Instrument :
MSVOA_L
ClientSampleId :
FS-IA-03DL

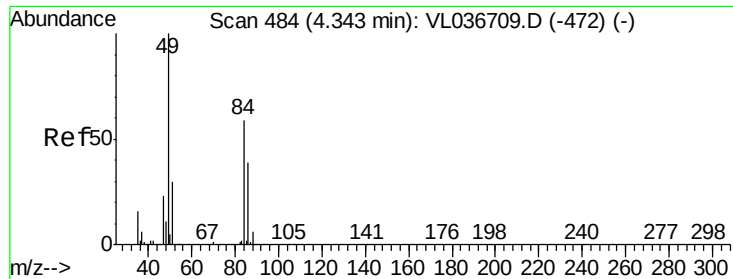
Tot Ion: 43 Resp: 147375
Ion Ratio Lower Upper
43 100
58 37.8 21.2 31.8#



#19
Isopropyl Alcohol
Concen: 0.920 ppbv
RT: 3.99 min Scan# 375
Delta R.T. 0.02 min
Lab File: VL036742.D
Acq: 8 Apr 2021 1:18

Tgt Ion: 45 Resp: 59634
Ion Ratio Lower Upper
45 100
58 7.1 2.9 4.3#

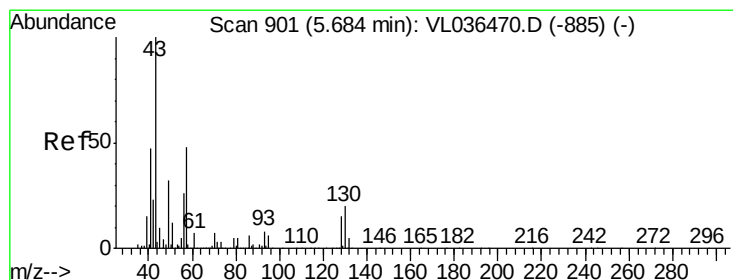
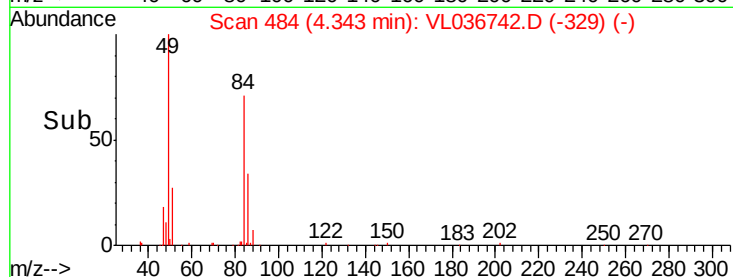
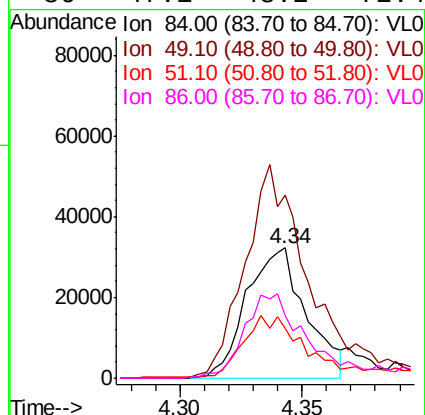
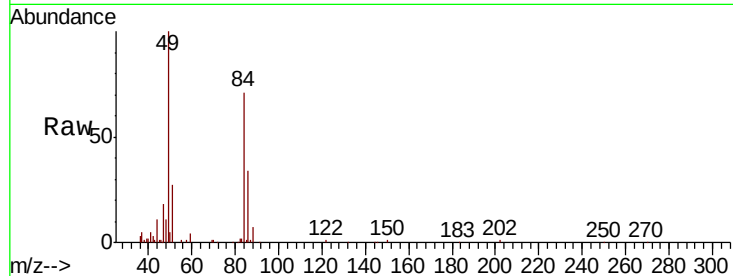




#20
Methvlene Chloride
Concen: 0.991 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036742.D
Acq: 8 Apr 2021 1:18

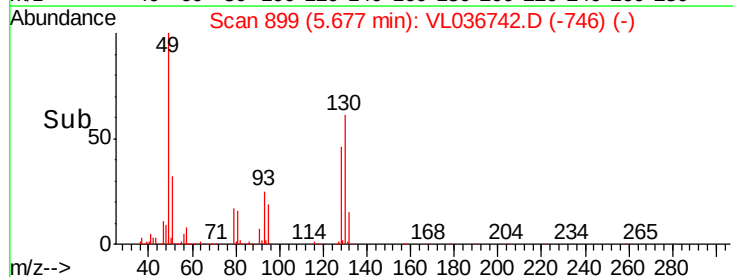
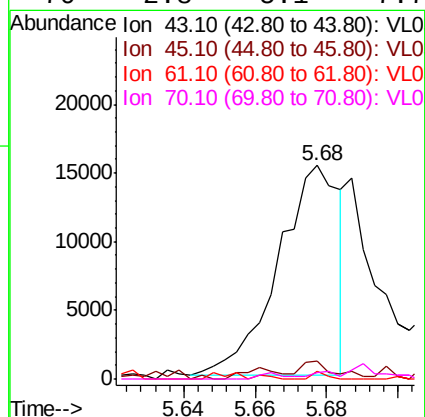
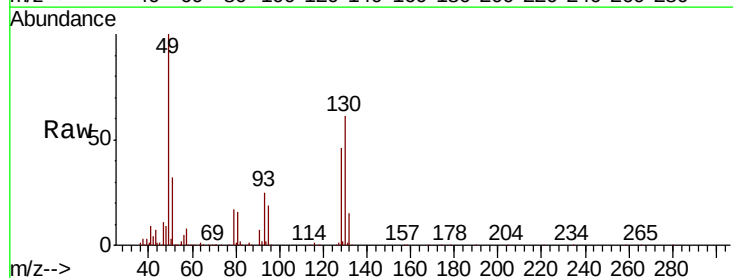
Instrument :
MSVOA_L
ClientSampleId :
FS-IA-03DL

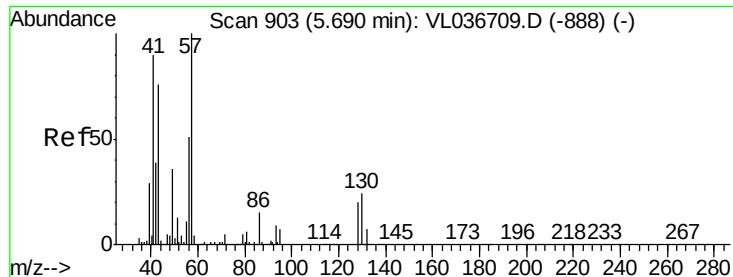
Tot Ion:	84	Resp:	54670
Ion	Ratio	Lower	Upper
84	100		
49	140.1	122.9	184.3
51	38.0	36.9	55.3
86	47.1	48.2	72.4#



#25
Ethyl Acetate
Concen: 0.065 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036742.D
Acq: 8 Apr 2021 1:18

Tgt Ion:	43	Resp:	18122
Ion	Ratio	Lower	Upper
43	100		
45	11.9	7.9	11.9#
61	2.6	7.4	11.2#
70	2.8	5.1	7.7#

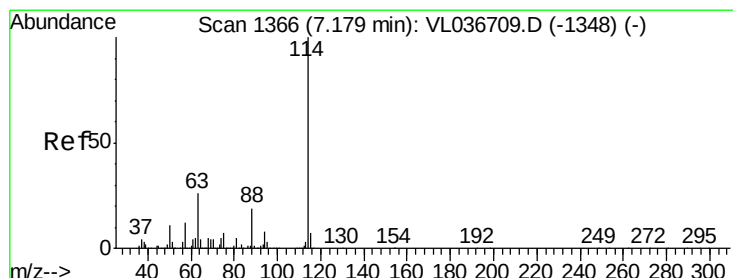
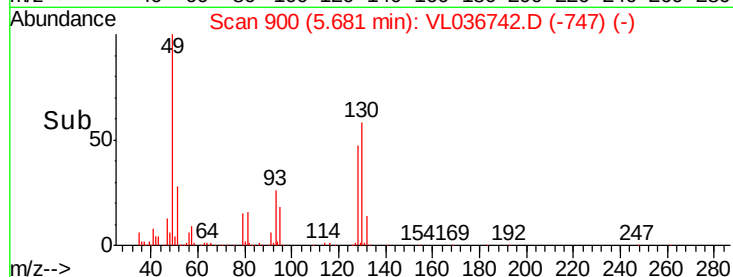
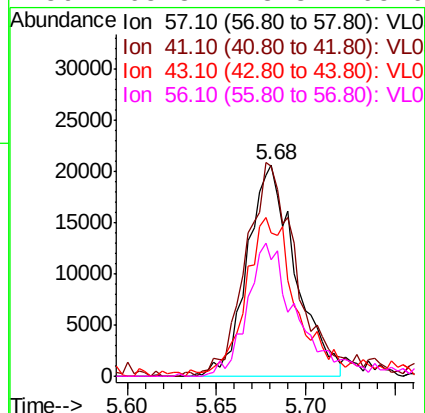
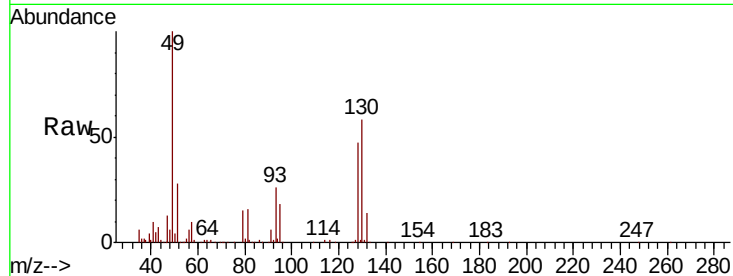




#26
Hexane
Concen: 0.298 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036742.D
Acq: 8 Apr 2021 1:18

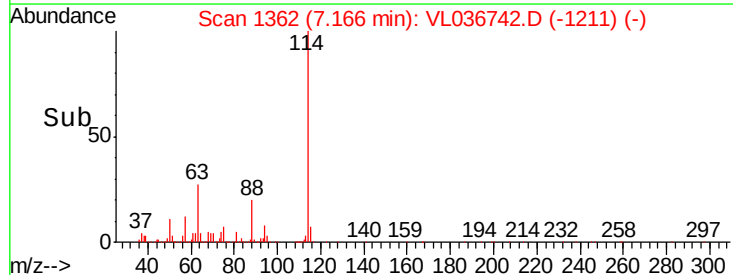
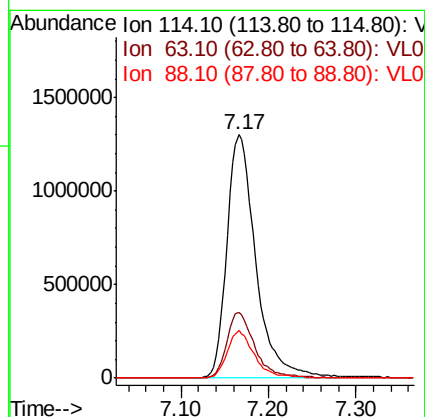
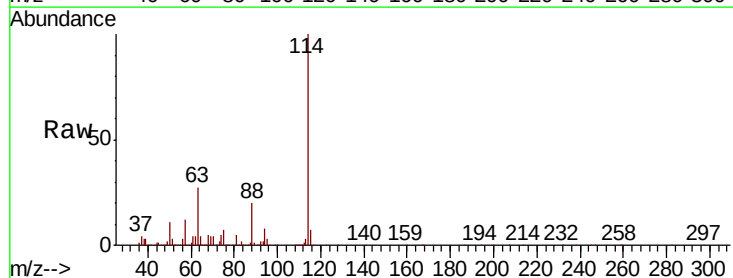
Instrument :
MSVOA_L
ClientSampleId :
FS-IA-03DL

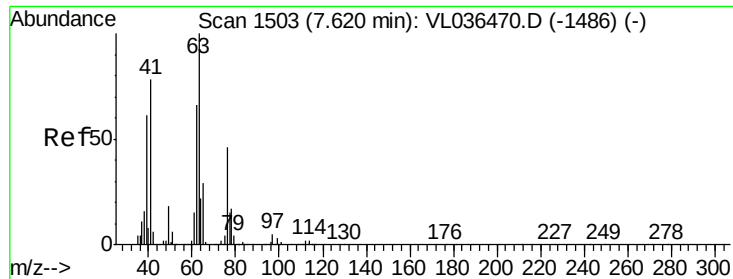
Tot Ion: 57 Resp: 38695
Ion Ratio Lower Upper
57 100
41 111.4 77.2 115.8
43 80.8 173.8 260.6#
56 65.8 43.8 65.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL036742.D
Acq: 8 Apr 2021 1:18

Tgt Ion:114 Resp: 2997155
Ion Ratio Lower Upper
114 100
63 26.6 22.4 33.6
88 18.4 15.4 23.0





#39

1,2-Dichloropropane

Concen: 6.987 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.45 min

Lab File: VL036742.D

Acq: 8 Apr 2021 1:18

Instrument :

MSVOA_L

ClientSampleId :

FS-IA-03DL

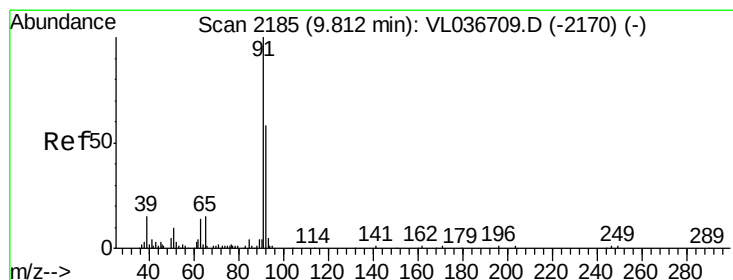
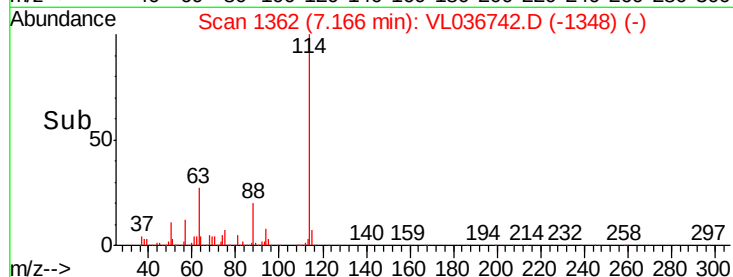
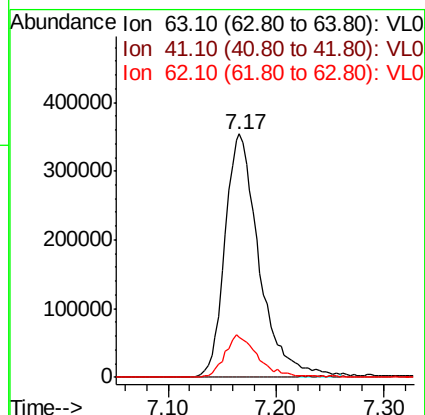
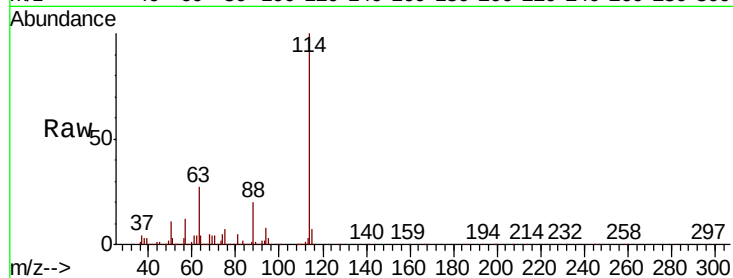
Tot Ion: 63 Resp: 783420

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

62 16.4 52.8 79.2#



#53

Toluene

Concen: 0.729 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL036742.D

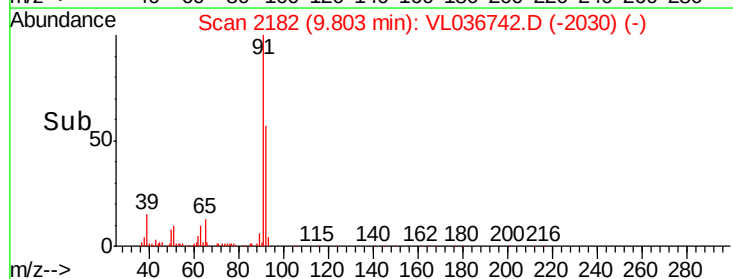
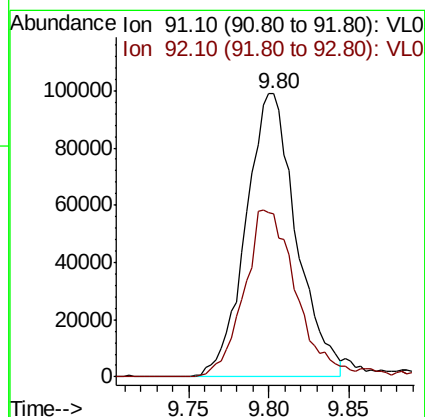
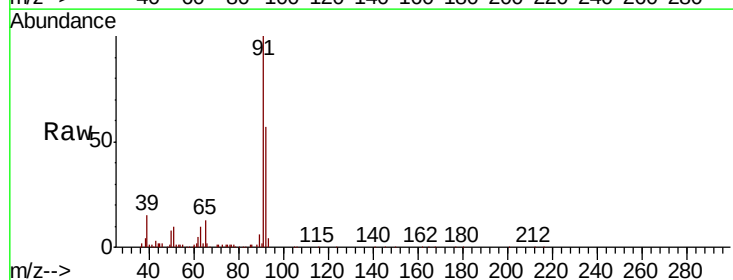
Acq: 8 Apr 2021 1:18

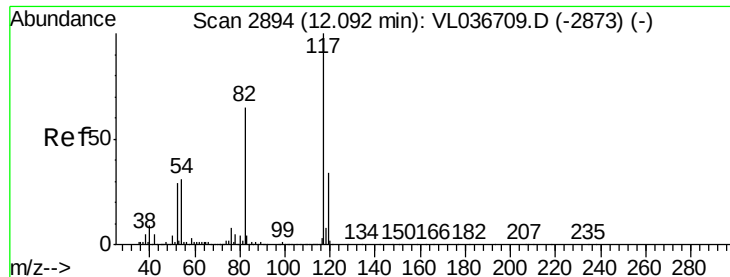
Tgt Ion: 91 Resp: 214537

Ion Ratio Lower Upper

91 100

92 63.4 48.8 73.2

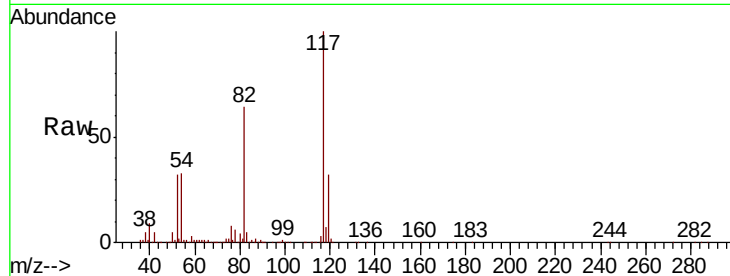




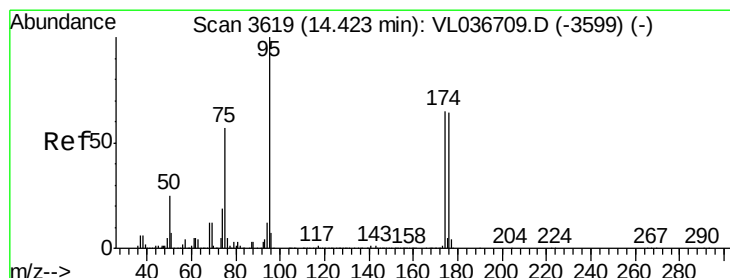
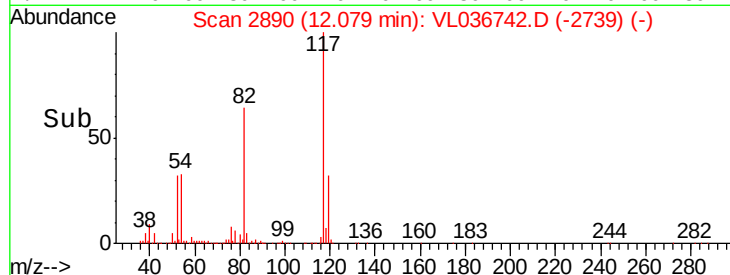
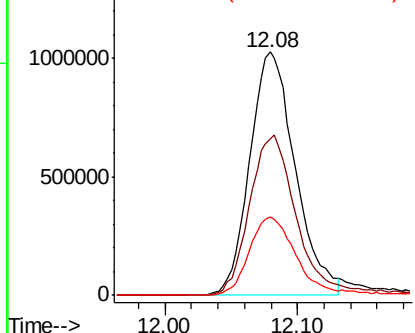
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036742.D
Acq: 8 Apr 2021 1:18

Instrument :
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Tot Ion:117 Resp: 2452772
Ion Ratio Lower Upper
117 100
82 70.5 57.4 86.0
119 34.6 47.4 71.0#

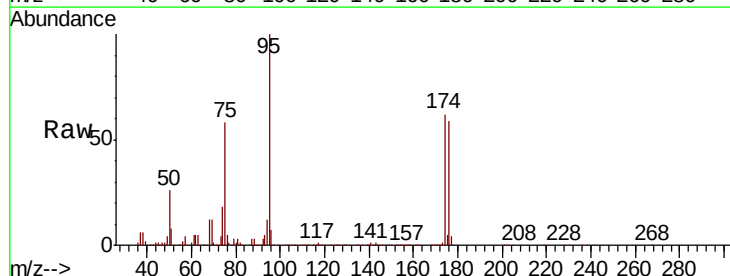


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.821 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.01 min
Lab File: VL036742.D
Acq: 8 Apr 2021 1:18

Tgt Ion: 95 Resp: 1919808
Ion Ratio Lower Upper
95 100
174 67.5 51.0 76.6
175 5.0 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

