

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037805.D
 Acq On : 7 Oct 2021 21:03
 Operator : SY/AP
 Sample : M4079-10DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P16DL

Quant Time: Oct 08 10:07:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1447074	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4163403	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3625496	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2526981	9.97	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

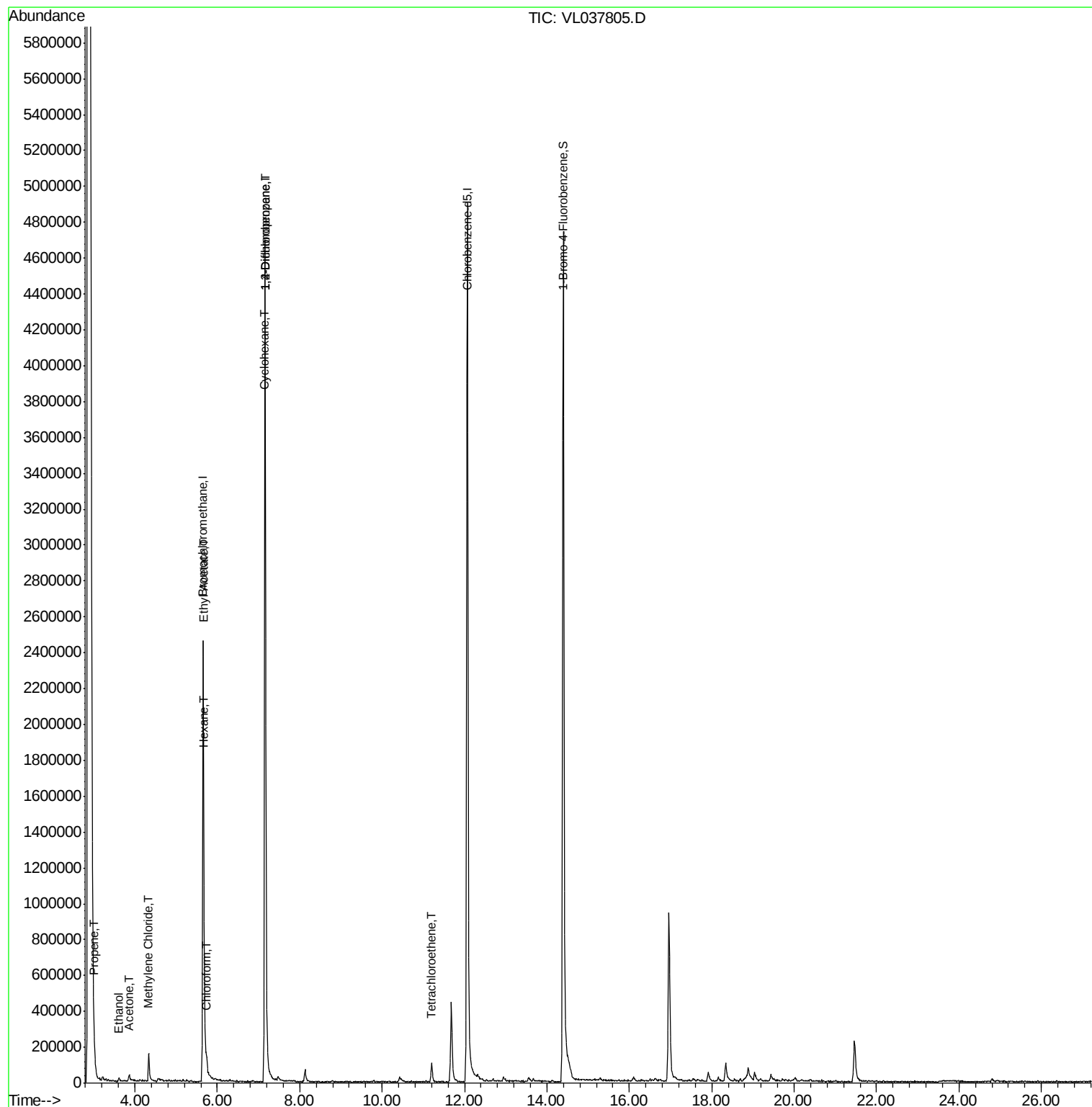
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	6723	0.066	ppbv #	48
13) Ethanol	3.60	45	3973	0.475	ppbv #	27
15) Acetone	3.85	43	42094	0.324	ppbv	95
20) Methylene Chloride	4.34	84	53935	0.822	ppbv	91
25) Ethyl Acetate	5.67	43	12262	0.034	ppbv #	79
26) Hexane	5.68	57	16008	0.089	ppbv #	43
29) Chloroform	5.74	83	37374	0.146	ppbv #	77
30) Cyclohexane	7.14	84	5307	0.035	ppbv #	4
39) 1,2-Dichloropropane	7.16	63	962587	7.196	ppbv #	28
52) Tetrachloroethene	11.20	164	5935	0.043	ppbv #	18

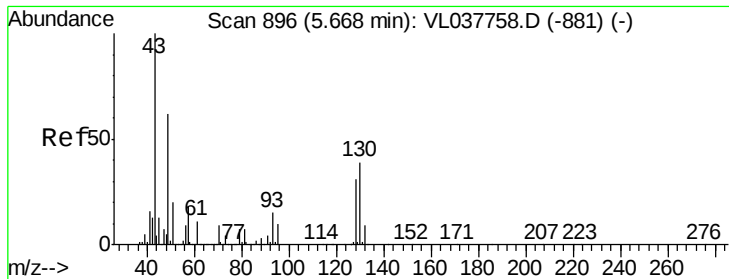
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL037805.D

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Instrument :

MSVOA_L

ClientSampleId :

C0P16DL

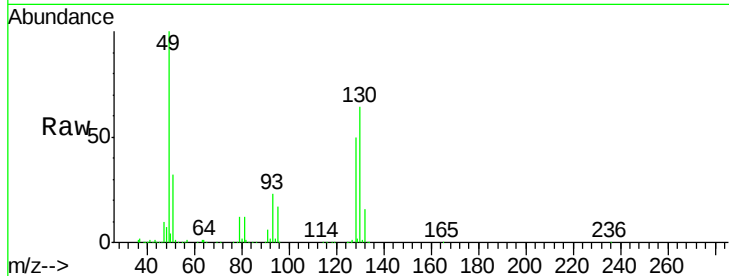
Tgt Ion: 49 Resp: 1447074

Ion Ratio Lower Upper

49 100

128 51.8 27.1 81.3

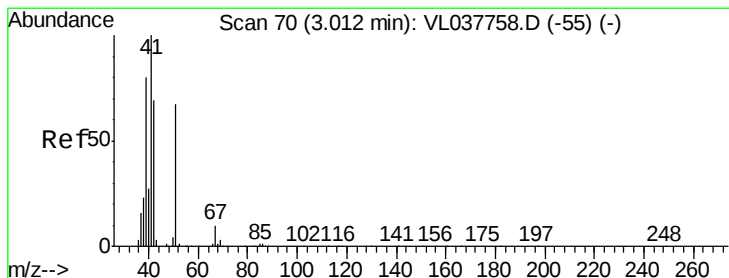
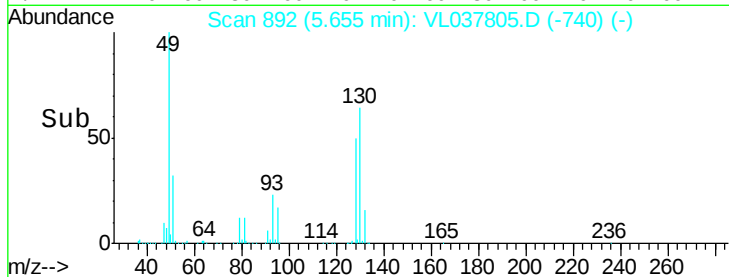
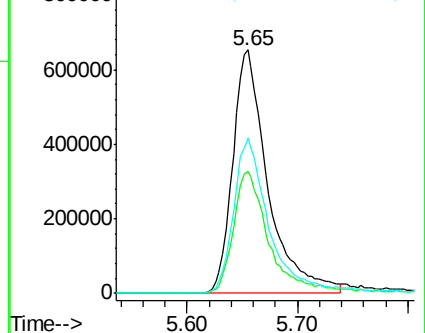
130 66.4 33.2 99.6



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



#9

Propene

Concen: 0.066 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037805.D

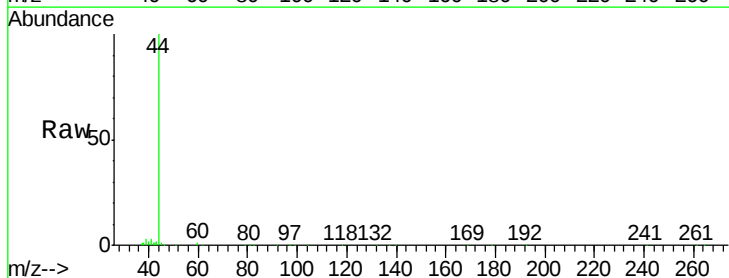
Acq: 7 Oct 2021 21:03

Tgt Ion: 41 Resp: 6723

Ion Ratio Lower Upper

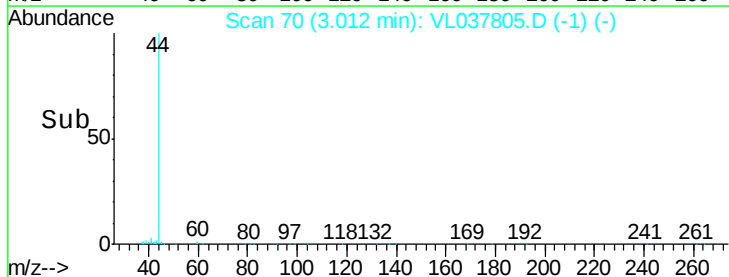
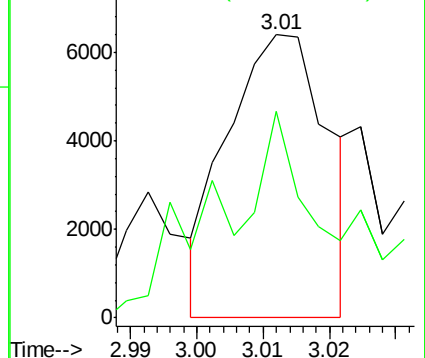
41 100

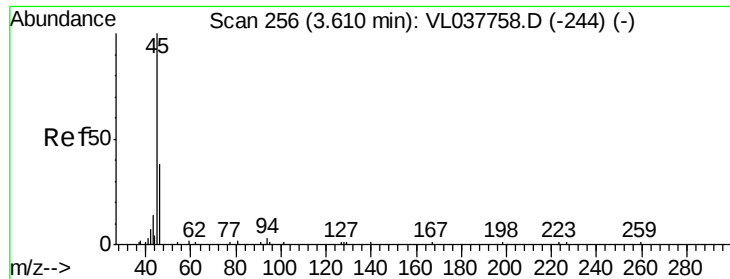
42 109.3 54.2 81.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.475 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL037805.D

Acq: 7 Oct 2021 21:03

Instrument :

MSVOA_L

ClientSampleId :

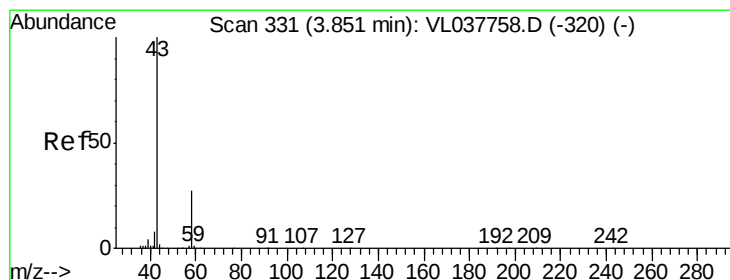
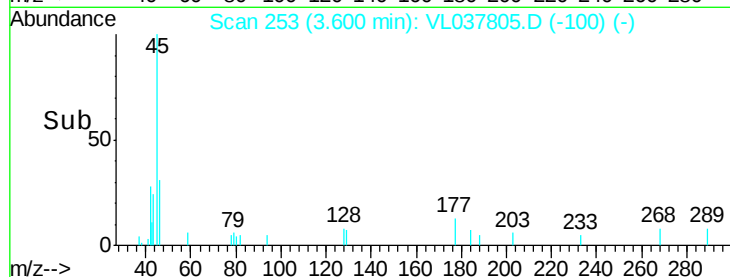
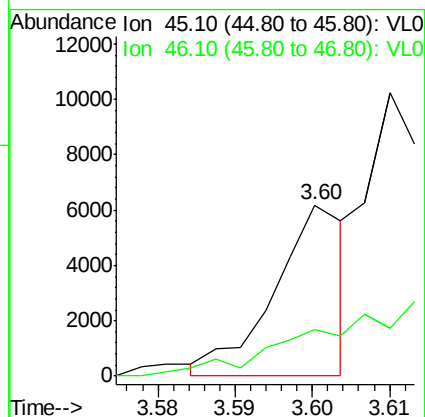
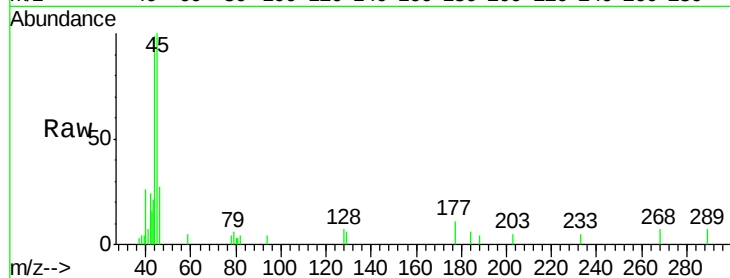
C0P16DL

Tgt Ion: 45 Resp: 3973

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#



#15

Acetone

Concen: 0.324 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL037805.D

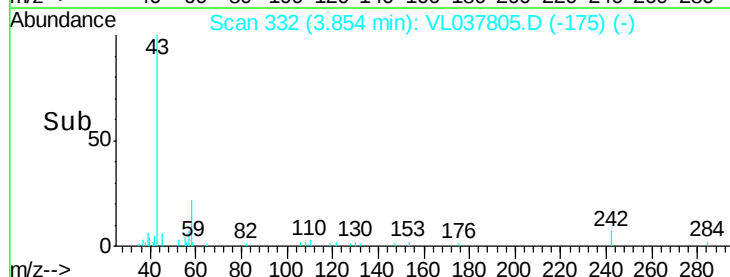
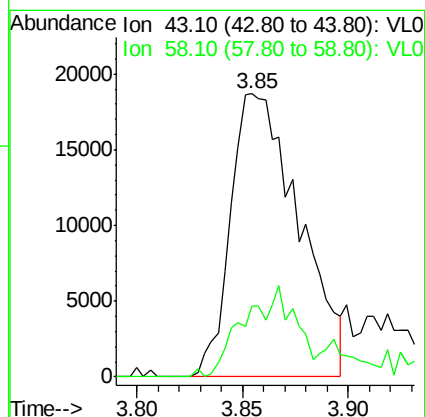
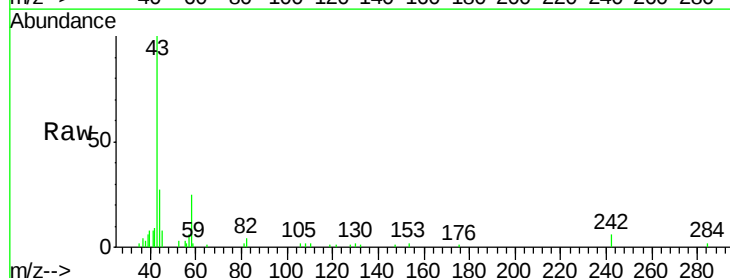
Acq: 7 Oct 2021 21:03

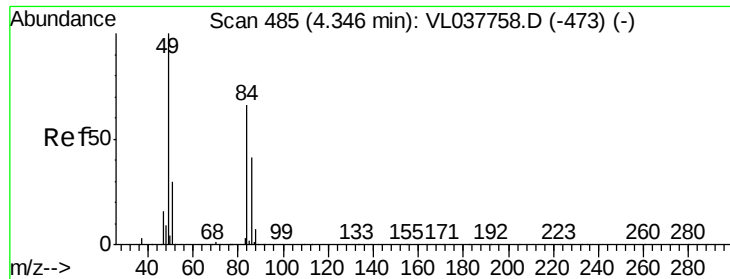
Tgt Ion: 43 Resp: 42094

Ion Ratio Lower Upper

43 100

58 31.5 23.0 34.6

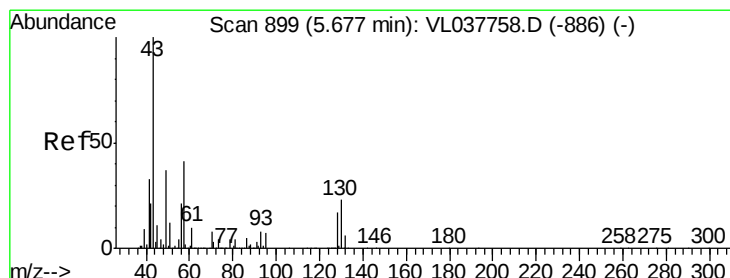
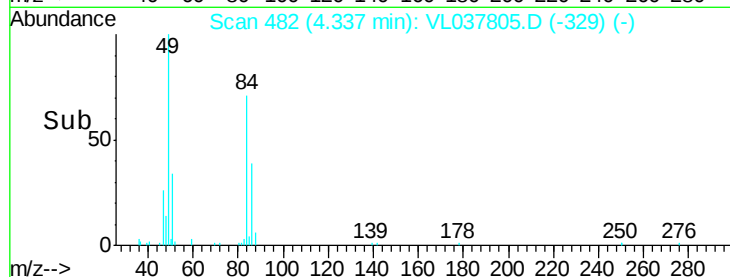
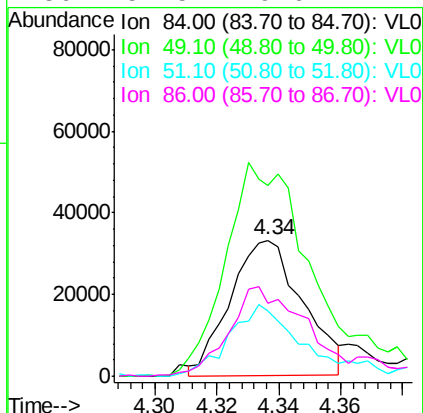
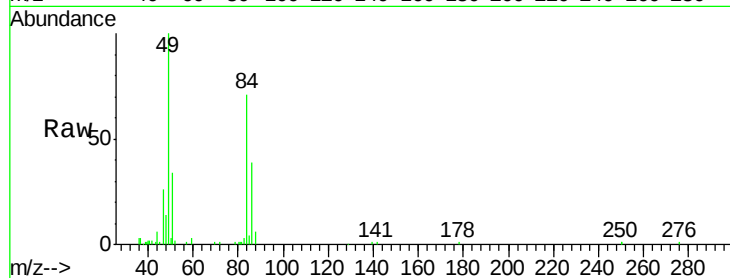




#20
Methylene Chloride
Concen: 0.822 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL037805.D
Acq: 7 Oct 2021 21:03

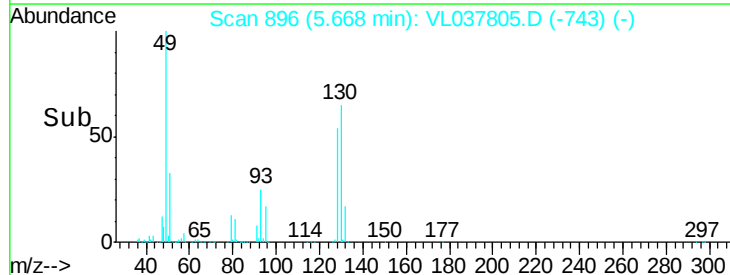
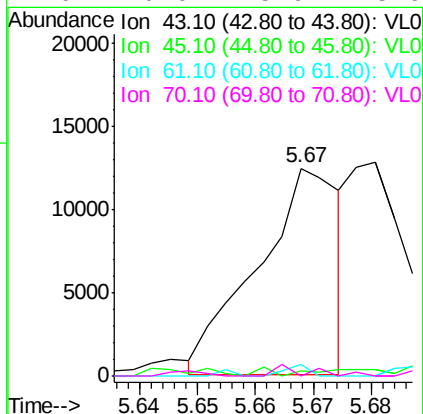
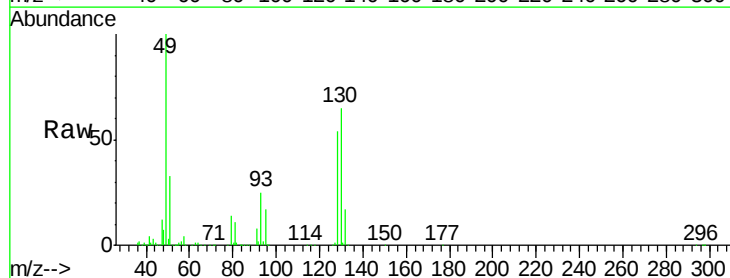
Instrument :
MSVOA_L
ClientSampleId :
C0P16DL

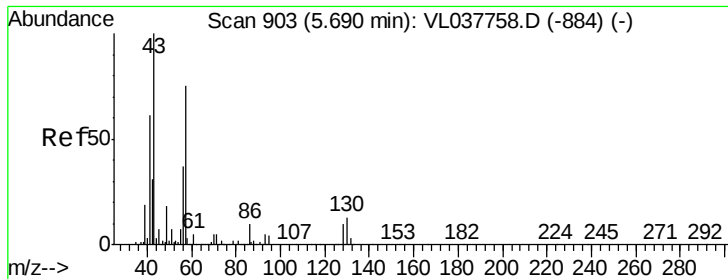
Tgt Ion:	84	Resp:	53935
Ion	Ratio	Lower	Upper
84	100		
49	136.6	120.7	181.1
51	47.1	36.2	54.4
86	54.5	49.6	74.4



#25
Ethyl Acetate
Concen: 0.034 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL037805.D
Acq: 7 Oct 2021 21:03

Tgt Ion:	43	Resp:	12262
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	3.9	7.5	11.3#
70	0.0	5.9	8.9#





#26

Hexane

Concen: 0.089 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL037805.D

Acq: 7 Oct 2021 21:03

Instrument :

MSVOA_L

ClientSampleId :

C0P16DL

Tgt Ion: 57 Resp: 16008

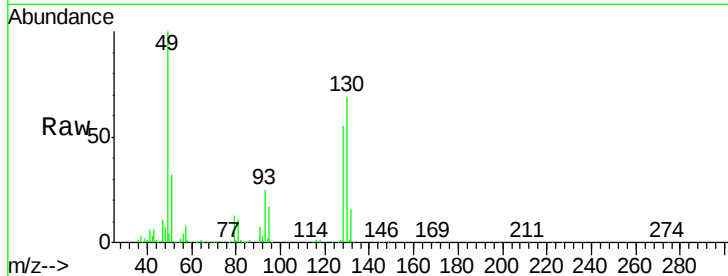
Ion Ratio Lower Upper

57 100

41 0.0 69.6 104.4#

43 167.6 171.4 257.0#

56 126.9 42.0 63.0#

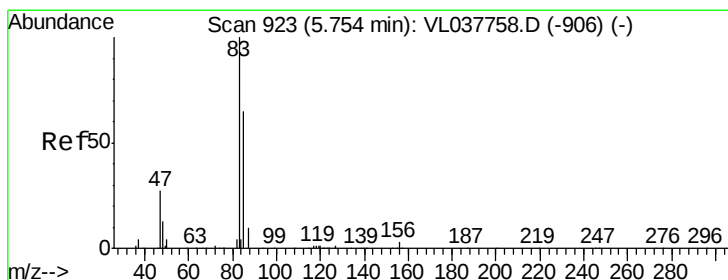
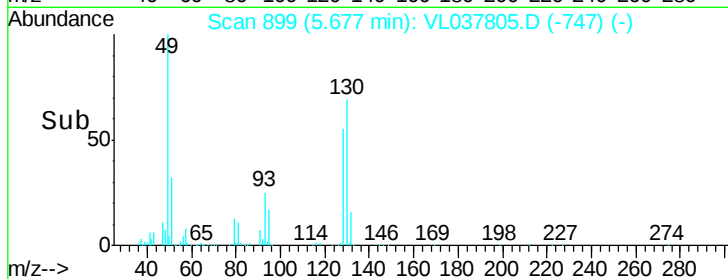
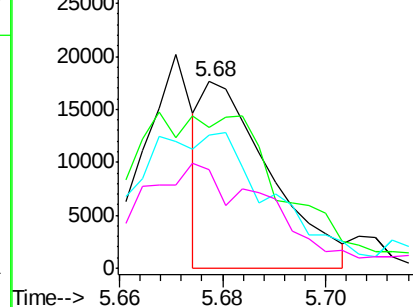


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29

Chloroform

Concen: 0.146 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL037805.D

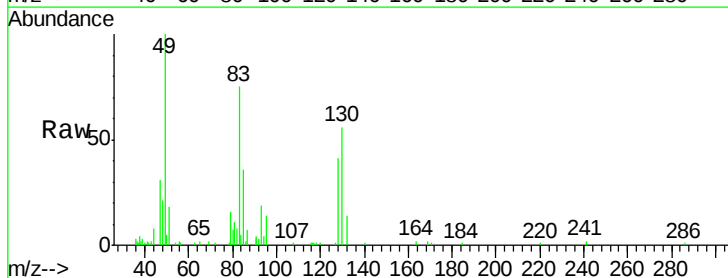
Acq: 7 Oct 2021 21:03

Tgt Ion: 83 Resp: 37374

Ion Ratio Lower Upper

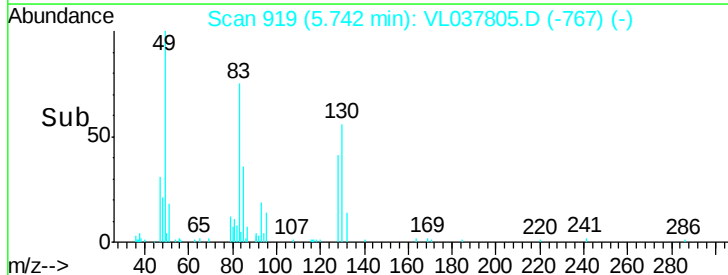
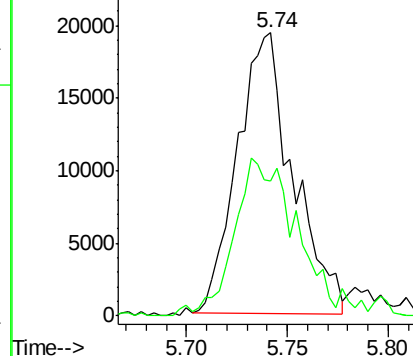
83 100

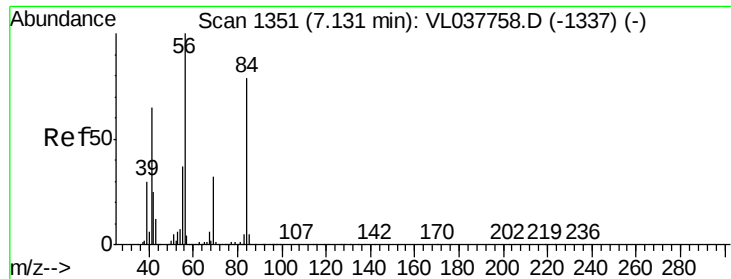
85 46.9 51.8 77.8#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

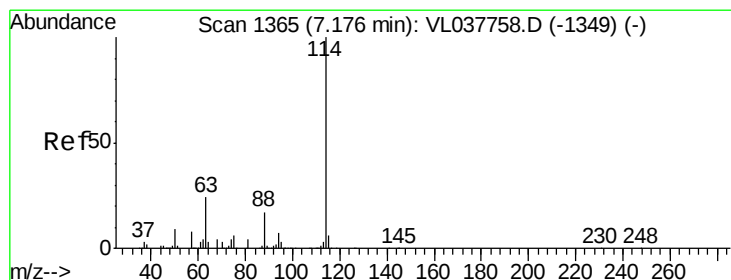
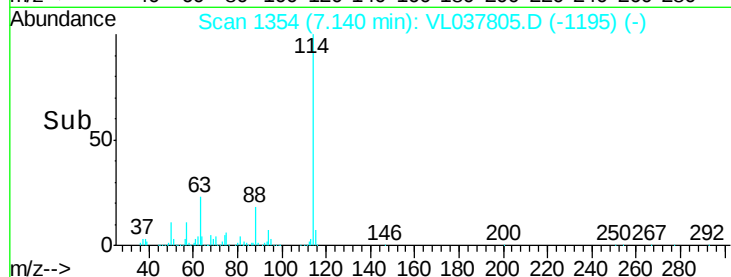
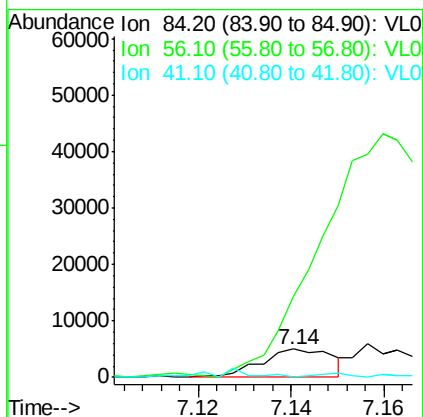
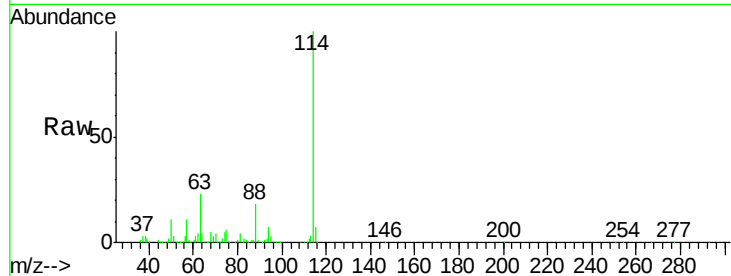




#30
Cyclohexane
Concen: 0.035 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL037805.D
Acq: 7 Oct 2021 21:03

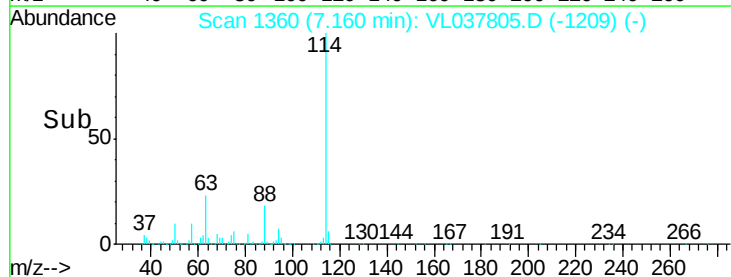
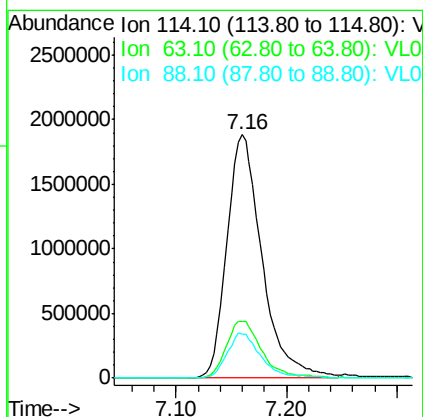
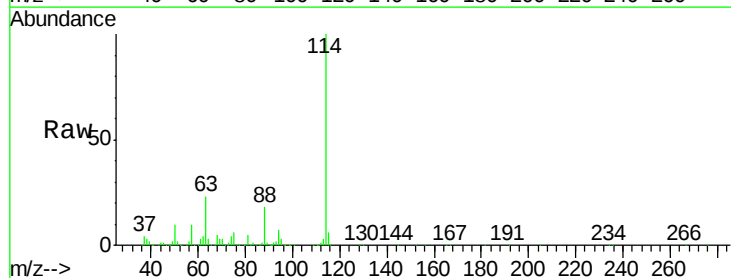
Instrument :
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ClientSampleId :
C0P16DL

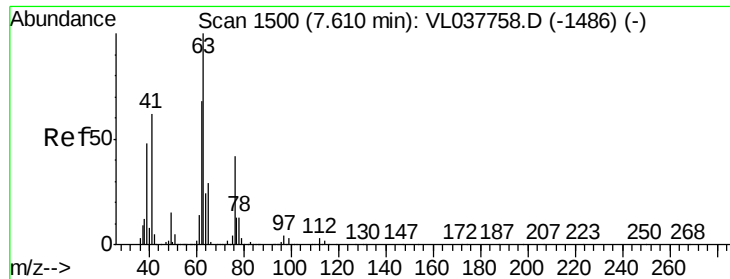
Tgt Ion: 84 Resp: 5307
Ion Ratio Lower Upper
84 100
56 0.0 113.0 169.4#
41 28.2 69.1 103.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL037805.D
Acq: 7 Oct 2021 21:03

Tgt Ion: 114 Resp: 4163403
Ion Ratio Lower Upper
114 100
63 24.1 19.4 29.2
88 18.0 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.196 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.45 min

Lab File: VL037805.D

Acq: 7 Oct 2021 21:03

Instrument :

MSVOA_L

ClientSampleID :

C0P16DL

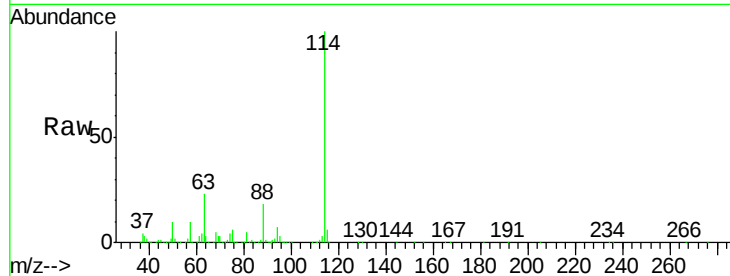
Tgt Ion: 63 Resp: 962587

Ion Ratio Lower Upper

63 100

41 0.1 49.8 74.6#

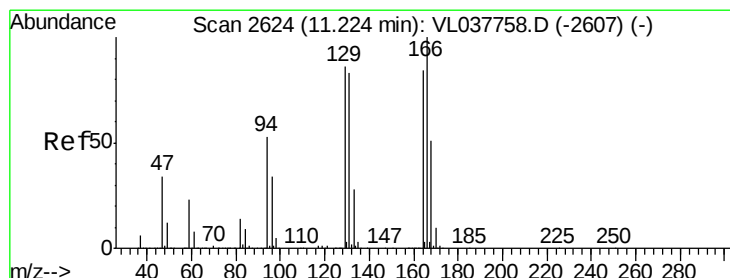
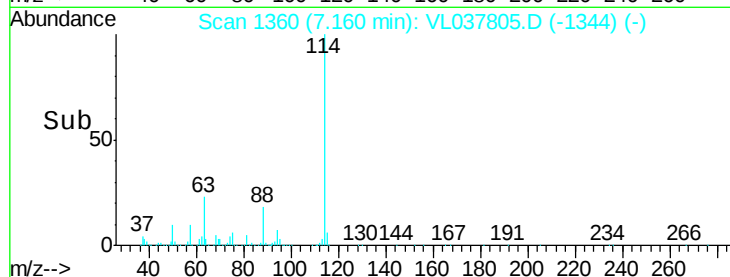
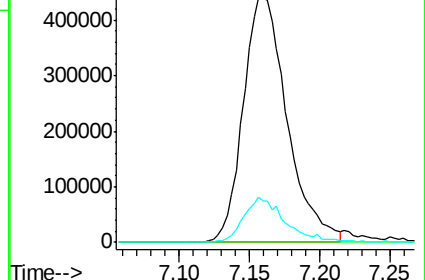
62 16.8 54.6 82.0#



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: 0.043 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.02 min

Lab File: VL037805.D

Acq: 7 Oct 2021 21:03

Tgt Ion: 164 Resp: 5935

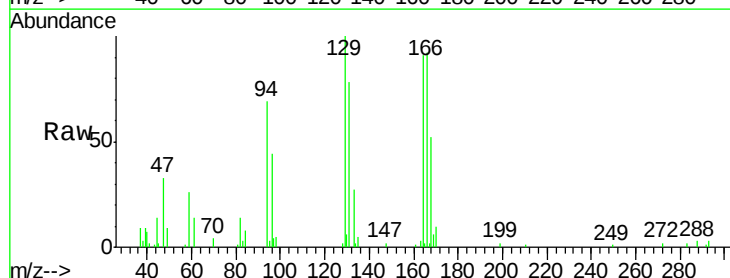
Ion Ratio Lower Upper

164 100

166 25.4 95.4 143.2#

129 18.8 82.2 123.4#

131 22.9 79.4 119.2#

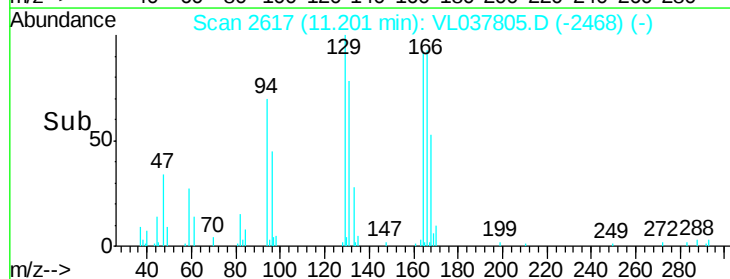
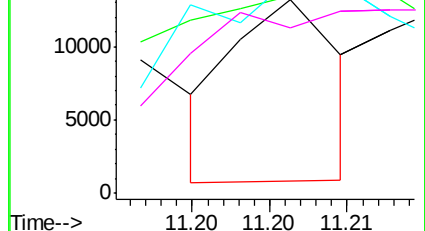


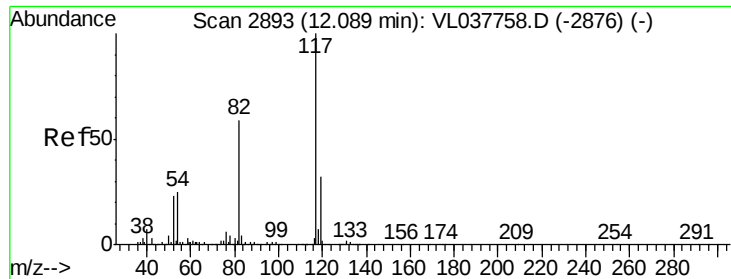
Abundance Ion 163.90 (163.60 to 164.60): V

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





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.02 min

Lab File: VL037805.D

Acq: 7 Oct 2021 21:03

Instrument :

MSVOA_L

ClientSampleId :

C0P16DL

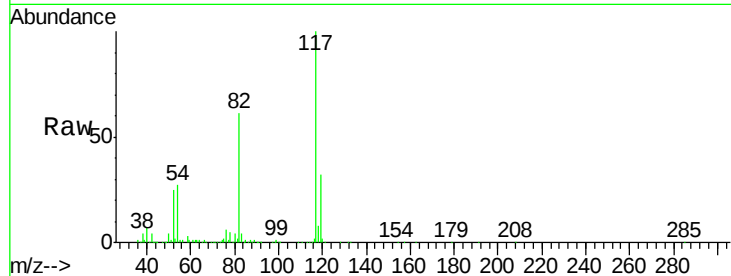
Tgt Ion: 117 Resp: 3625496

Ion Ratio Lower Upper

117 100

82 63.5 52.2 78.2

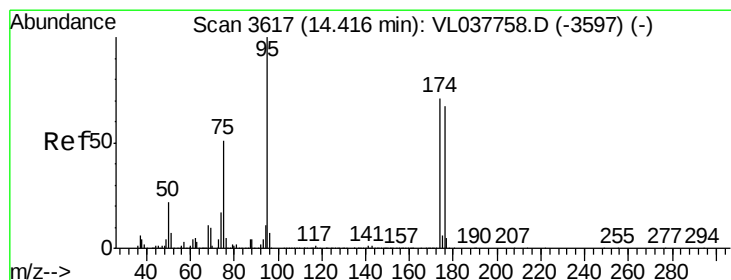
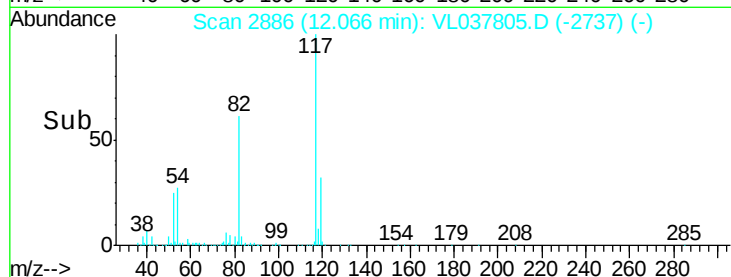
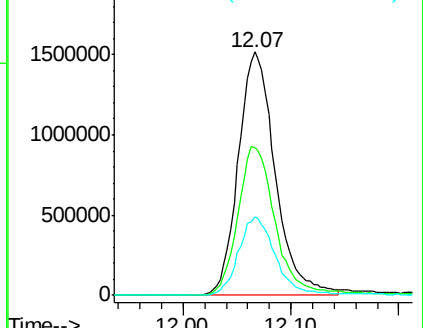
119 33.3 26.0 39.0



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: 9.967 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.02 min

Lab File: VL037805.D

Acq: 7 Oct 2021 21:03

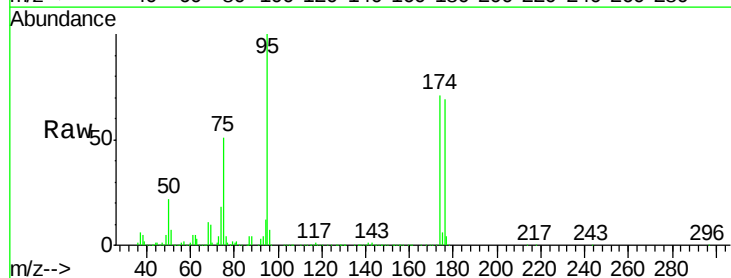
Tgt Ion: 95 Resp: 2526981

Ion Ratio Lower Upper

95 100

174 74.0 57.8 86.6

175 5.7 4.7 7.1



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

