

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037807.D
 Acq On : 7 Oct 2021 22:21
 Operator : SY/AP
 Sample : M4079-13DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P06DL

Quant Time: Oct 08 10:07:36 2021
 Quant Method : Z:\VOASRV\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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1415288	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4187103	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3574127	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2507429	10.03	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

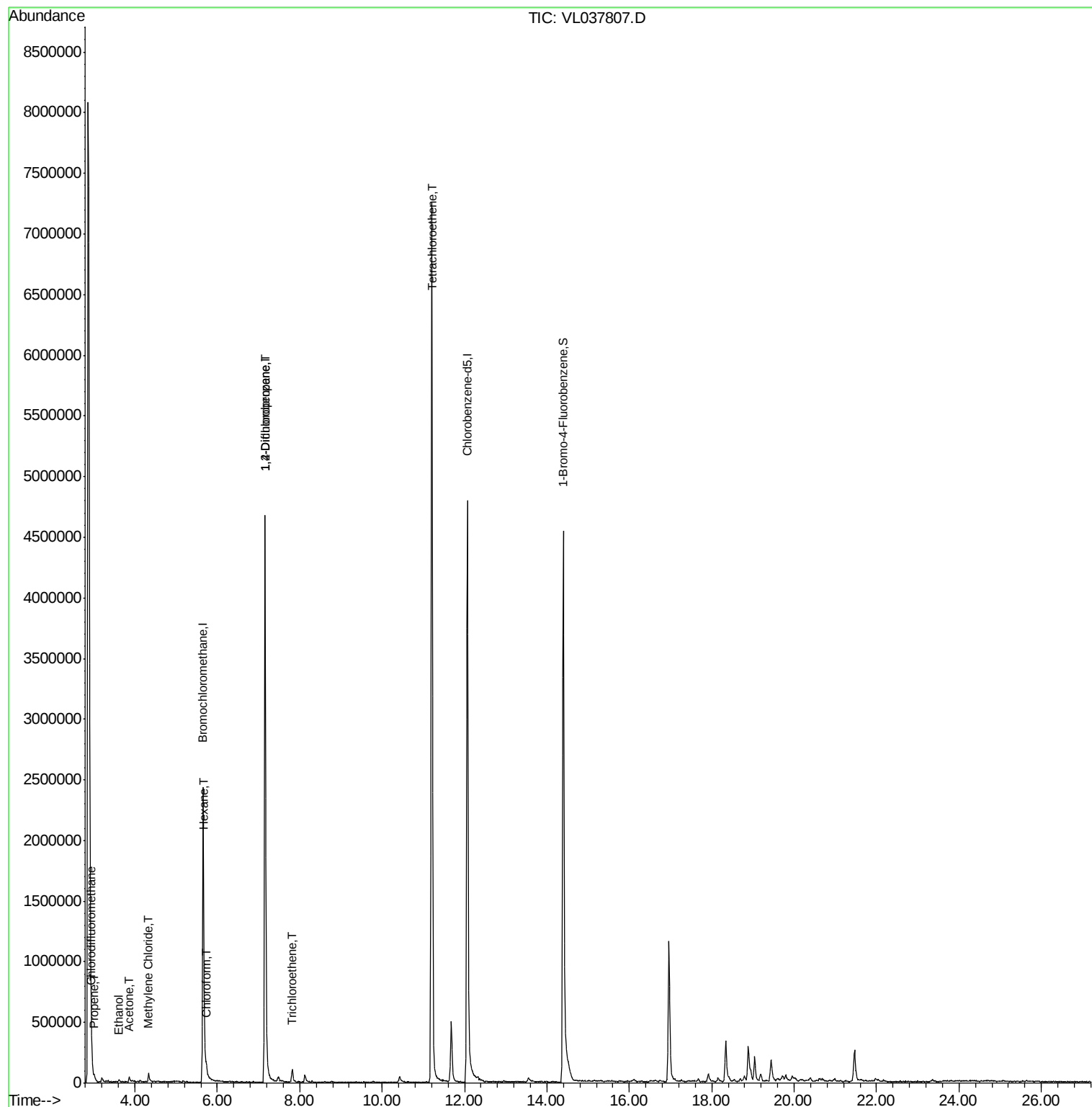
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.95	51	9674	0.036	ppbv #	61
9) Propene	3.01	41	12211	0.122	ppbv	92
13) Ethanol	3.61	45	5164	0.631	ppbv #	27
15) Acetone	3.85	43	16820	0.132	ppbv #	46
20) Methylene Chloride	4.33	84	10024	0.156	ppbv	97
26) Hexane	5.67	57	12698	0.072	ppbv #	47
29) Chloroform	5.74	83	42590	0.170	ppbv	98
38) Trichloroethene	7.82	130	34851	0.247	ppbv #	75
39) 1,2-Dichloropropane	7.16	63	968100	7.197	ppbv #	29
52) Tetrachloroethene	11.21	164	2092425	15.038	ppbv	97

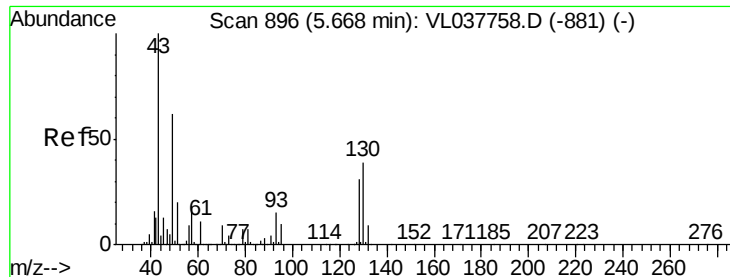
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL037807.D

Acq: 7 Oct 2021 22:21

Instrument :

MSVOA_L

ClientSampleId :

C0P06DL

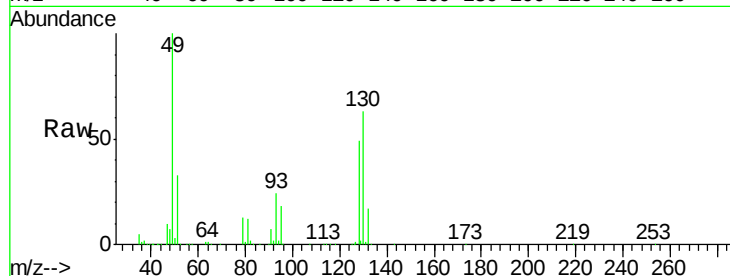
Tgt Ion: 49 Resp: 1415288

Ion Ratio Lower Upper

49 100

128 53.0 27.1 81.3

130 69.1 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

5.65

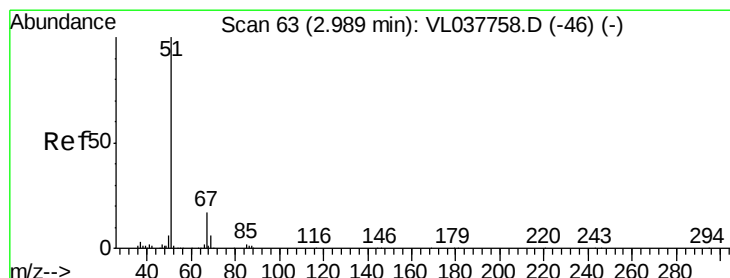
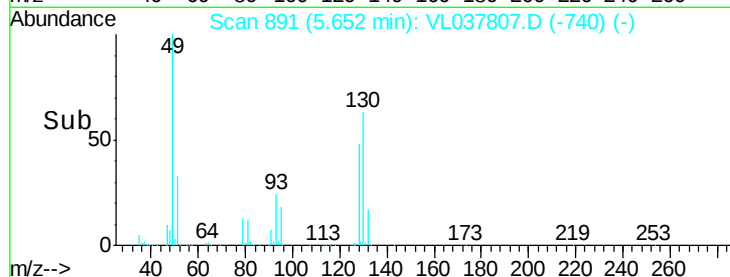
600000

400000

200000

0

Time-->



#3

Chlorodifluoromethane

Concen: 0.036 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.04 min

Lab File: VL037807.D

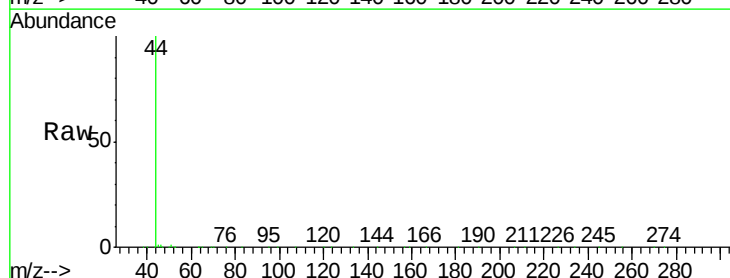
Acq: 7 Oct 2021 22:21

Tgt Ion: 51 Resp: 9674

Ion Ratio Lower Upper

51 100

67 0.0 13.5 20.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.95

4000

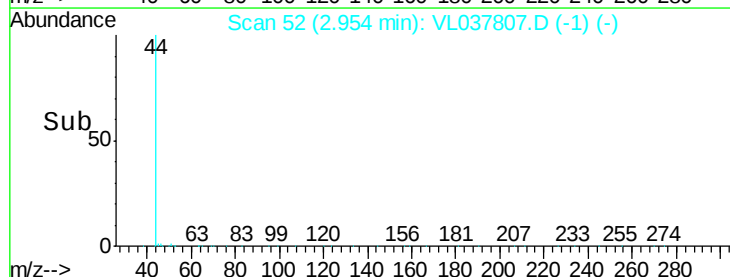
3000

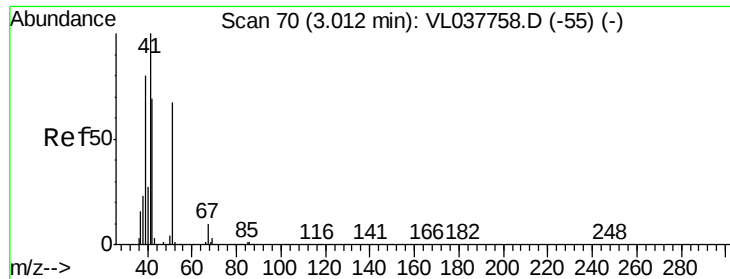
2000

1000

0

Time-->





#9

Propene

Concen: 0.122 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037807.D

Acq: 7 Oct 2021 22:21

Instrument :

MSVOA_L

ClientSampleId :

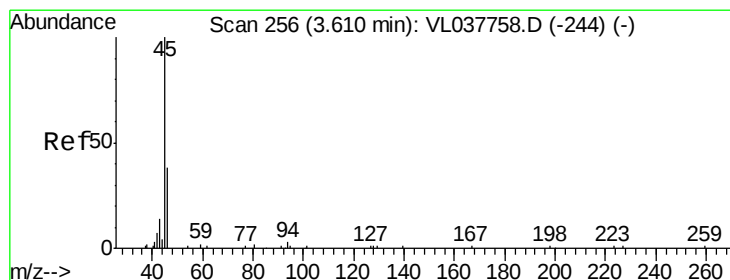
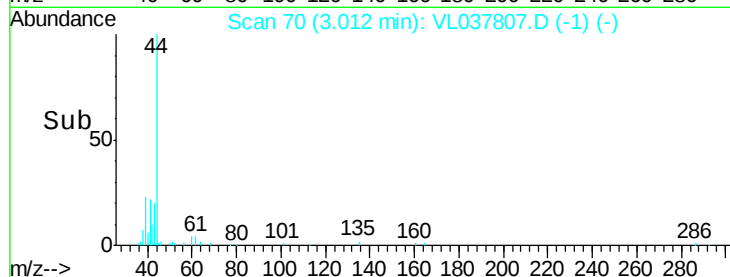
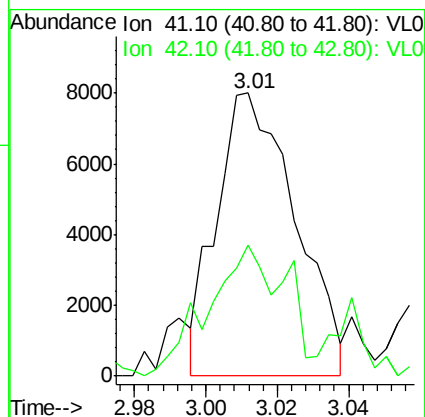
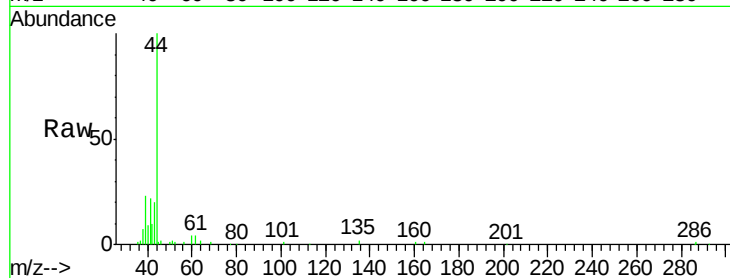
C0P06DL

Tgt Ion: 41 Resp: 12211

Ion Ratio Lower Upper

41 100

42 61.0 54.2 81.2



#13

Ethanol

Concen: 0.631 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL037807.D

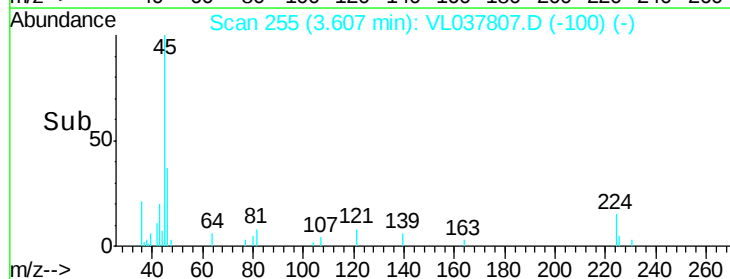
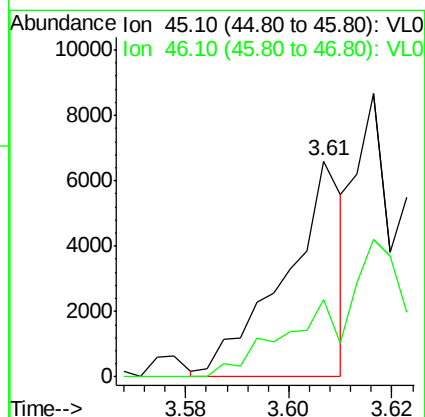
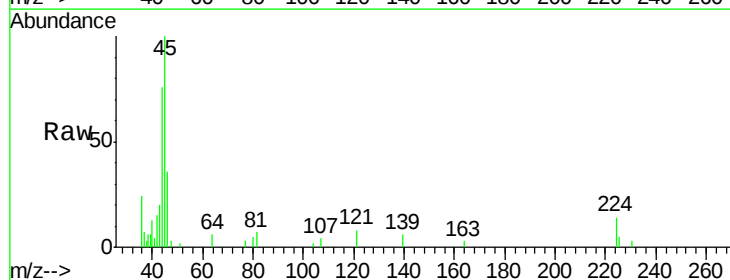
Acq: 7 Oct 2021 22:21

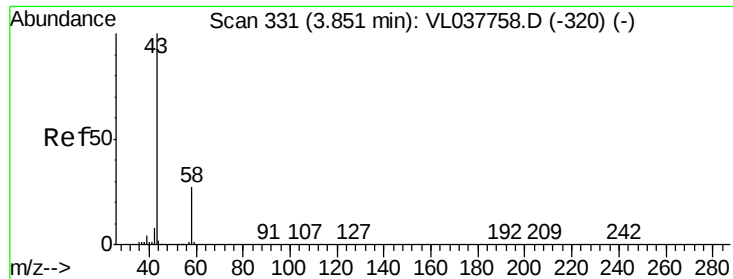
Tgt Ion: 45 Resp: 5164

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#

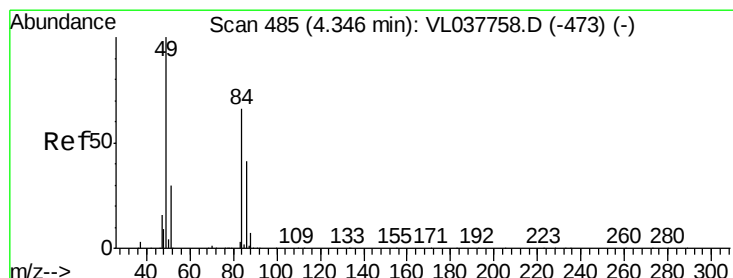
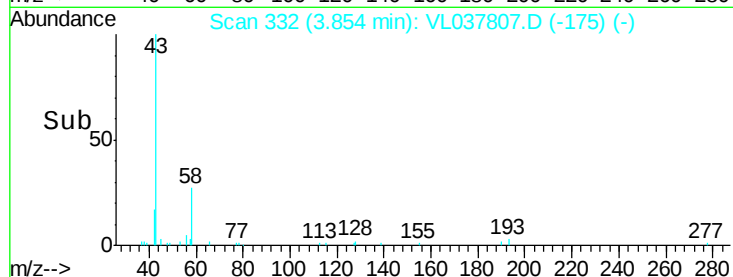
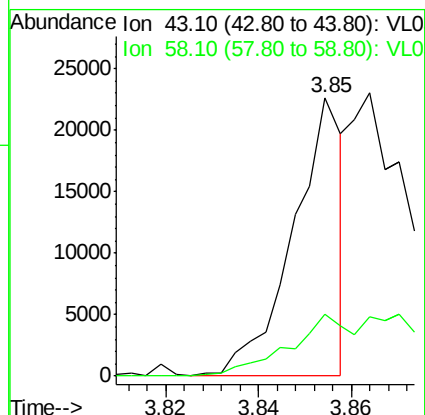
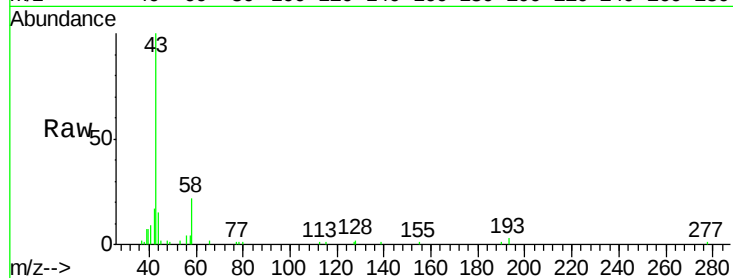




#15
Acetone
Concen: 0.132 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL037807.D
Acq: 7 Oct 2021 22:21

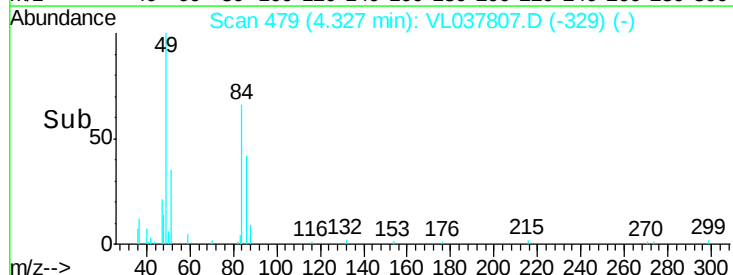
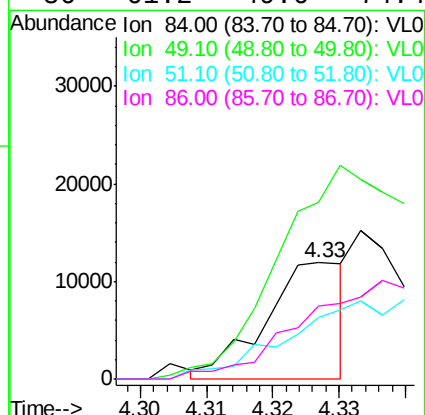
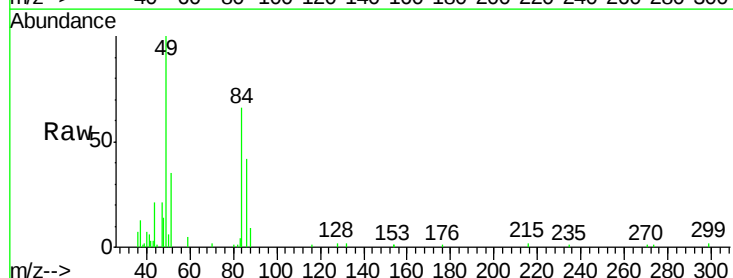
Instrument :
MSVOA_L
ClientSampleId :
C0P06DL

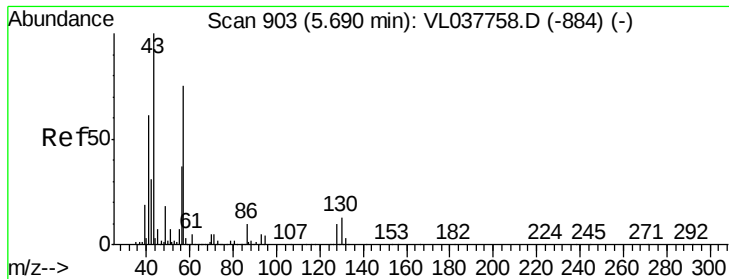
Tgt Ion: 43 Resp: 16820
Ion Ratio Lower Upper
43 100
58 0.0 23.0 34.6#



#20
Methylene Chloride
Concen: 0.156 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL037807.D
Acq: 7 Oct 2021 22:21

Tgt Ion: 84 Resp: 10024
Ion Ratio Lower Upper
84 100
49 154.5 120.7 181.1
51 49.4 36.2 54.4
86 61.2 49.6 74.4

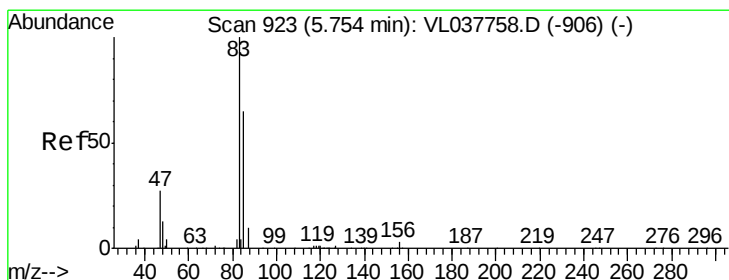
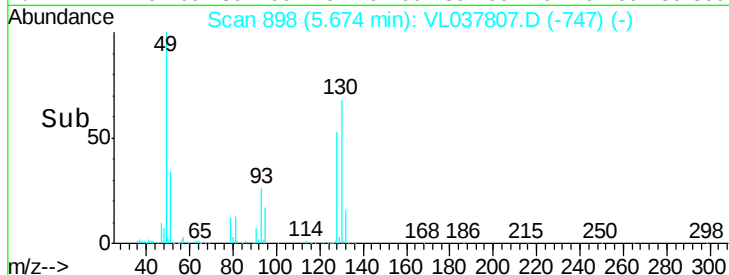
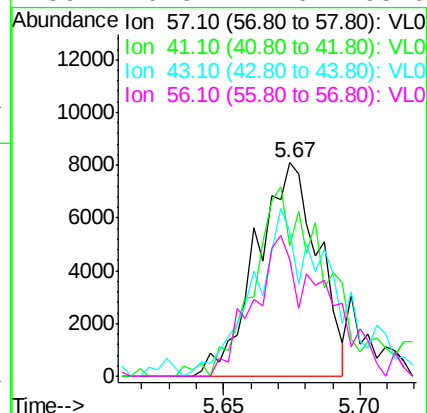
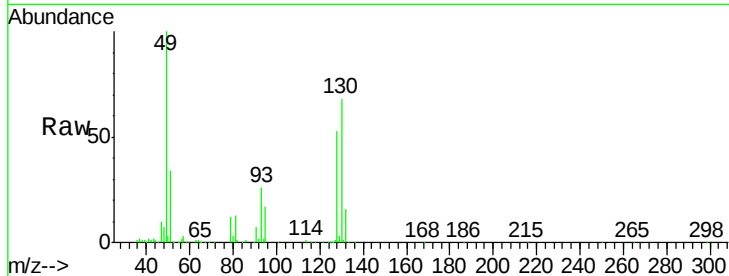




#26
Hexane
Concen: 0.072 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL037807.D
Acq: 7 Oct 2021 22:21

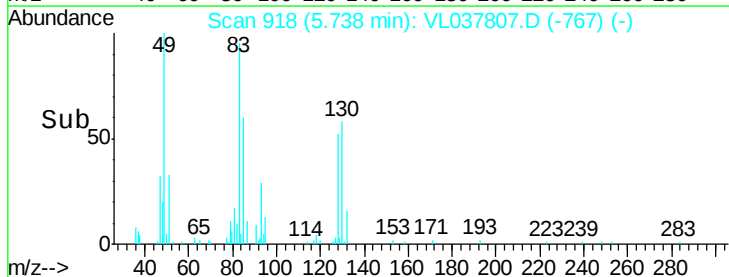
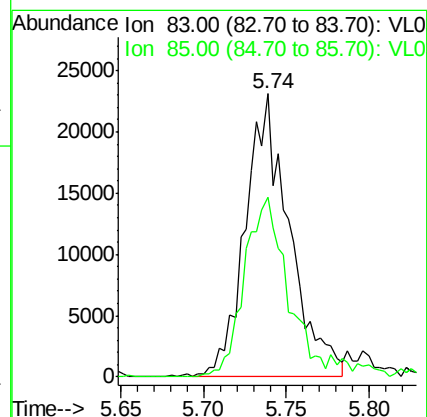
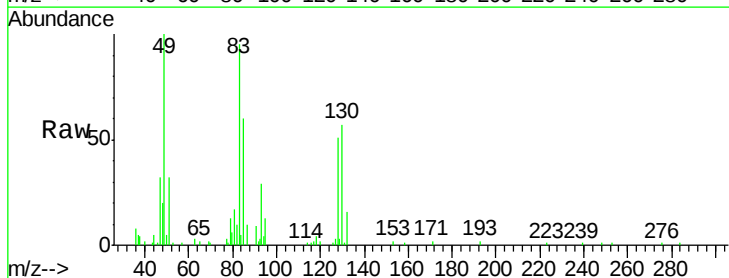
Instrument :
MSVOA_L
ClientSampleId :
C0P06DL

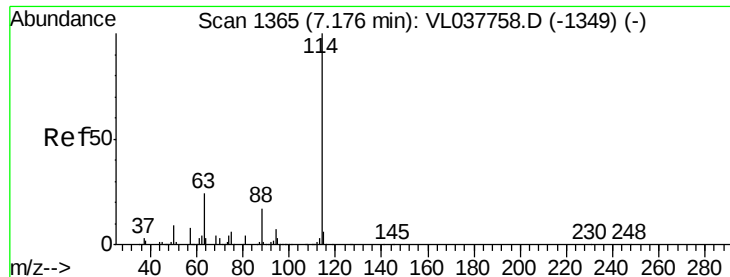
Tgt Ion: 57 Resp: 12698
Ion Ratio Lower Upper
57 100
41 113.9 69.6 104.4#
43 108.7 171.4 257.0#
56 79.6 42.0 63.0#



#29
Chloroform
Concen: 0.170 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037807.D
Acq: 7 Oct 2021 22:21

Tgt Ion: 83 Resp: 42590
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.8

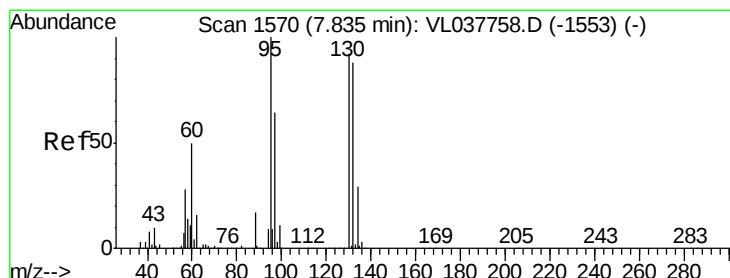
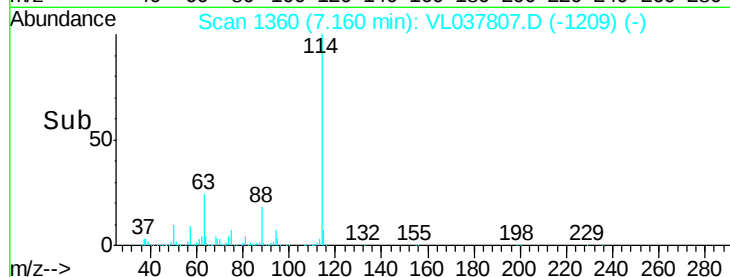
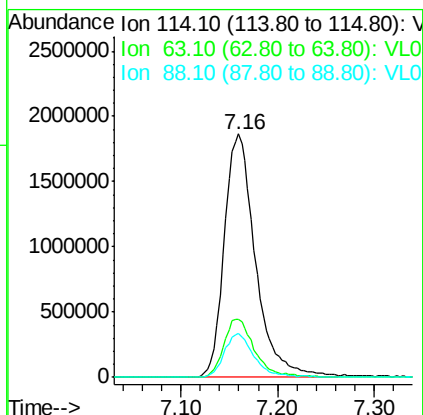
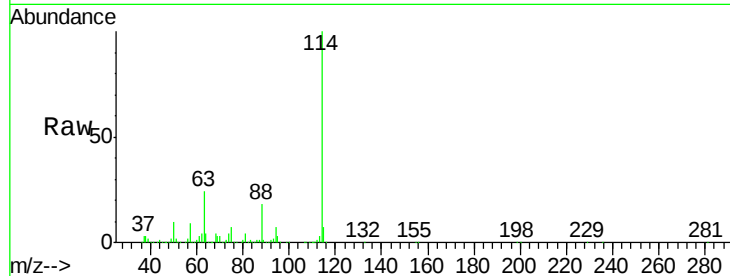




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VL037807.D
 Acq: 7 Oct 2021 22:21

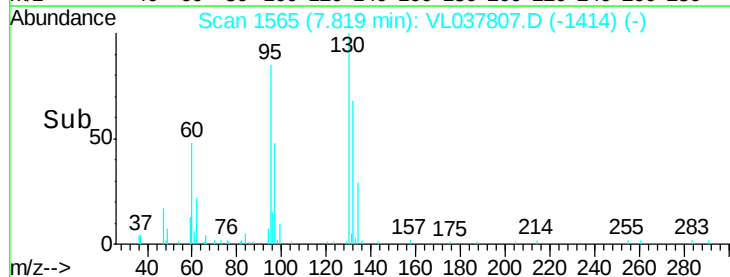
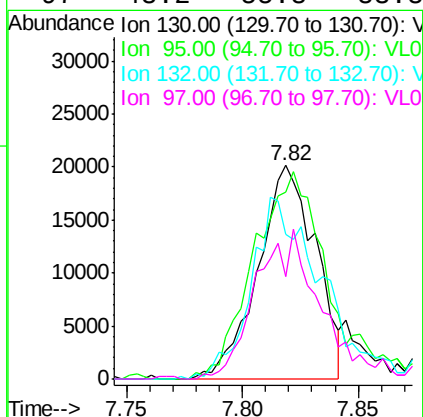
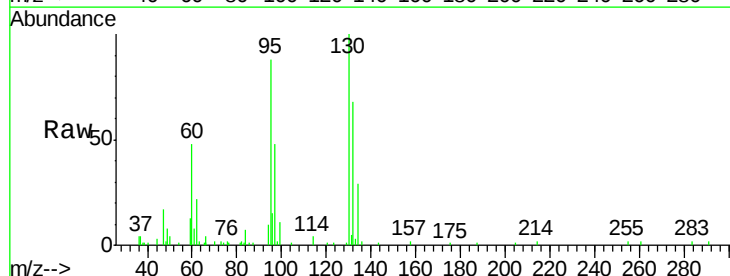
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P06DL

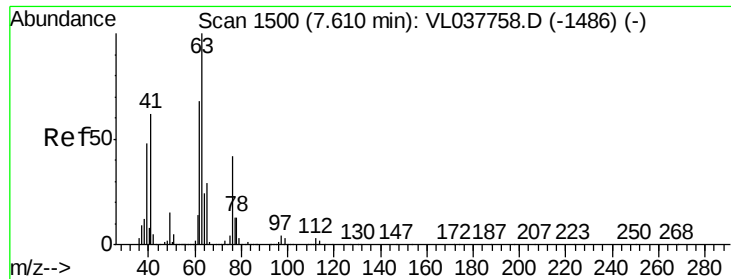
Tgt Ion:114 Resp: 4187103
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.4 29.2
 88 17.5 14.4 21.6



#38
 Trichloroethene
 Concen: 0.247 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: VL037807.D
 Acq: 7 Oct 2021 22:21

Tgt Ion:130 Resp: 34851
 Ion Ratio Lower Upper
 130 100
 95 87.6 87.4 131.0
 132 68.0 76.8 115.2#
 97 48.2 55.8 83.8#





#39

1,2-Dichloropropane

Concen: 7.197 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.45 min

Lab File: VL037807.D

Acq: 7 Oct 2021 22:21

Instrument :

MSVOA_L

ClientSampleId :

C0P06DL

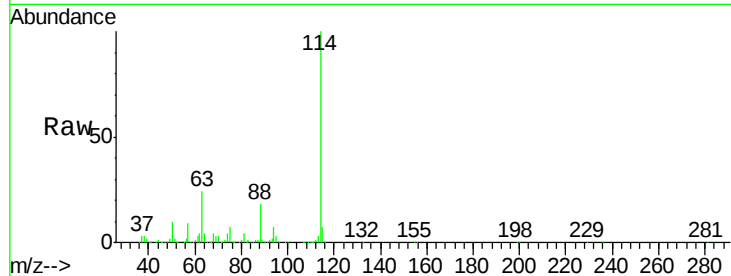
Tgt Ion: 63 Resp: 968100

Ion Ratio Lower Upper

63 100

41 0.1 49.8 74.6#

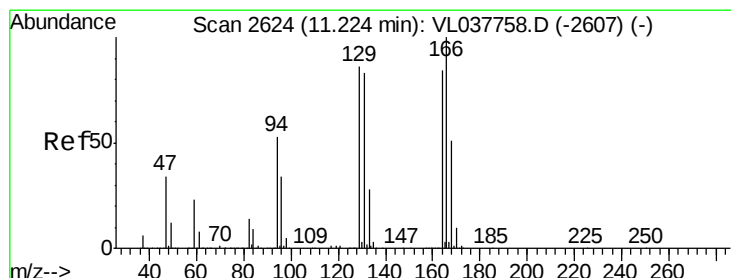
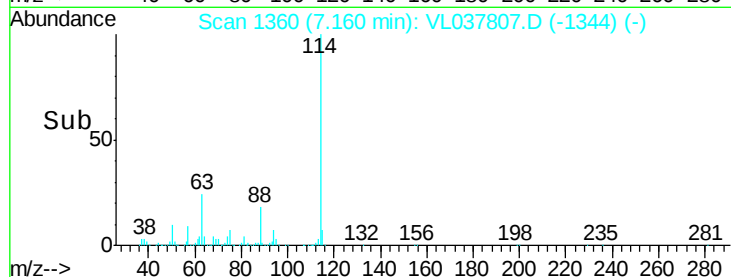
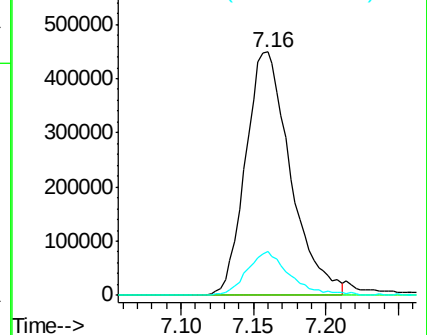
62 17.8 54.6 82.0#



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: 15.038 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.02 min

Lab File: VL037807.D

Acq: 7 Oct 2021 22:21

Tgt Ion: 164 Resp: 2092425

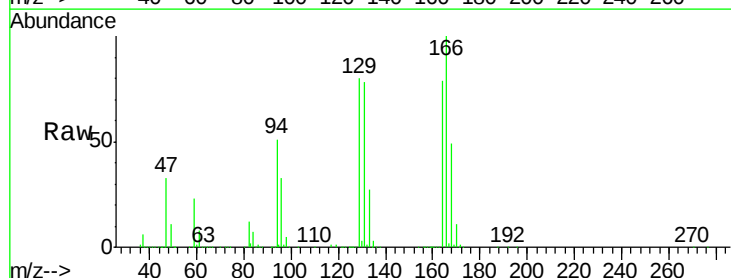
Ion Ratio Lower Upper

164 100

166 127.3 95.4 143.2

129 102.0 82.2 123.4

131 98.7 79.4 119.2

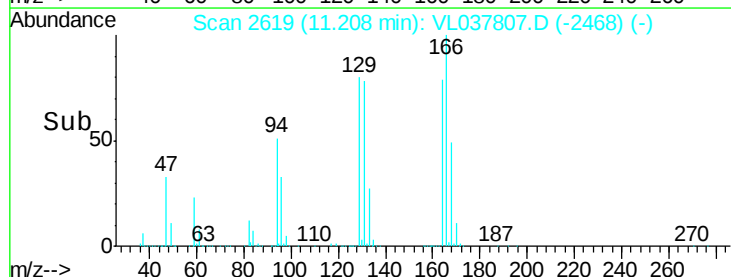
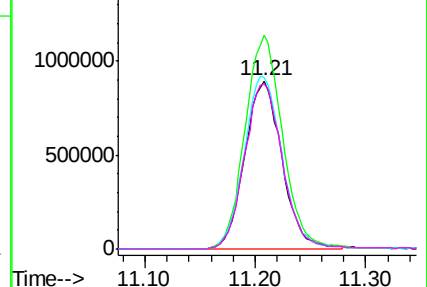


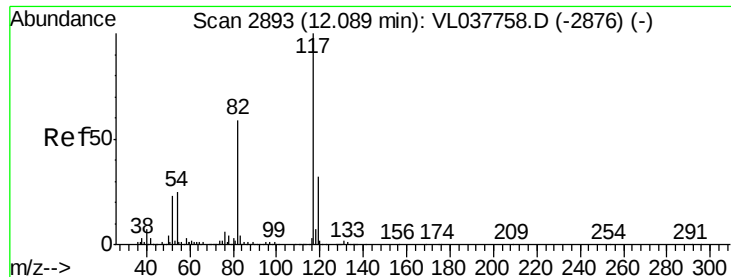
Abundance Ion 163.90 (163.60 to 164.60): V

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: VL037807.D

Acq: 7 Oct 2021 22:21

Instrument :

MSVOA_L

ClientSampleId :

C0P06DL

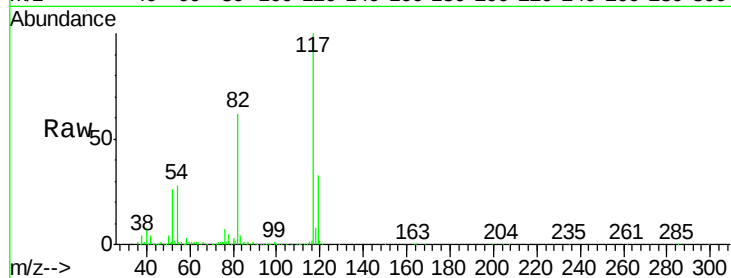
Tgt Ion: 117 Resp: 3574127

Ion Ratio Lower Upper

117 100

82 64.9 52.2 78.2

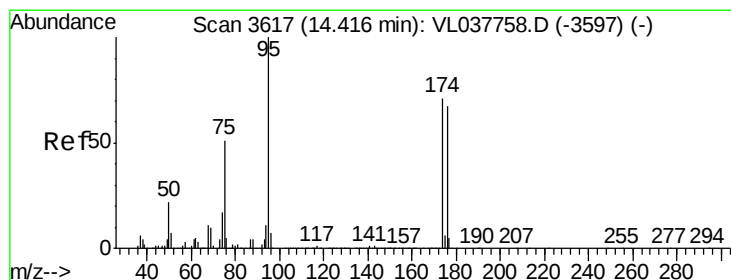
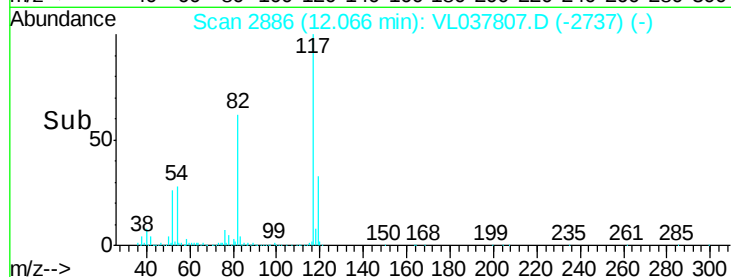
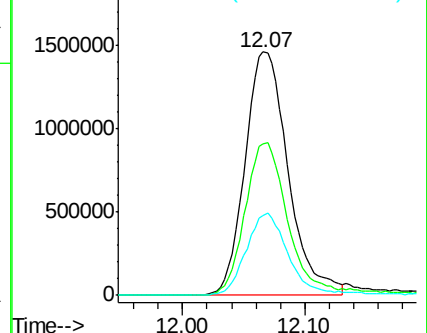
119 33.4 26.0 39.0



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: 10.032 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.02 min

Lab File: VL037807.D

Acq: 7 Oct 2021 22:21

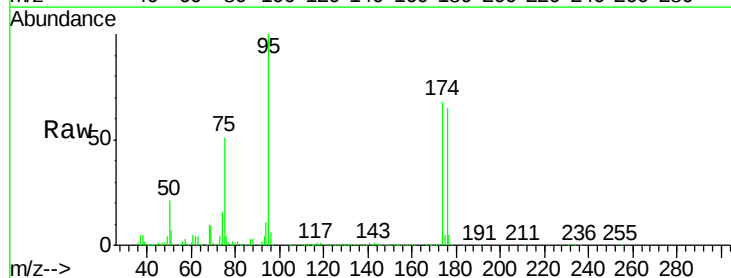
Tgt Ion: 95 Resp: 2507429

Ion Ratio Lower Upper

95 100

174 75.3 57.8 86.6

175 6.0 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

