

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035029.D
 Acq On : 14 May 2020 20:57
 Operator : SY/AP
 Sample : L2566-03DL2 120X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 15 01:11:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1217833	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2870322	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2709165	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2239349	10.21	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

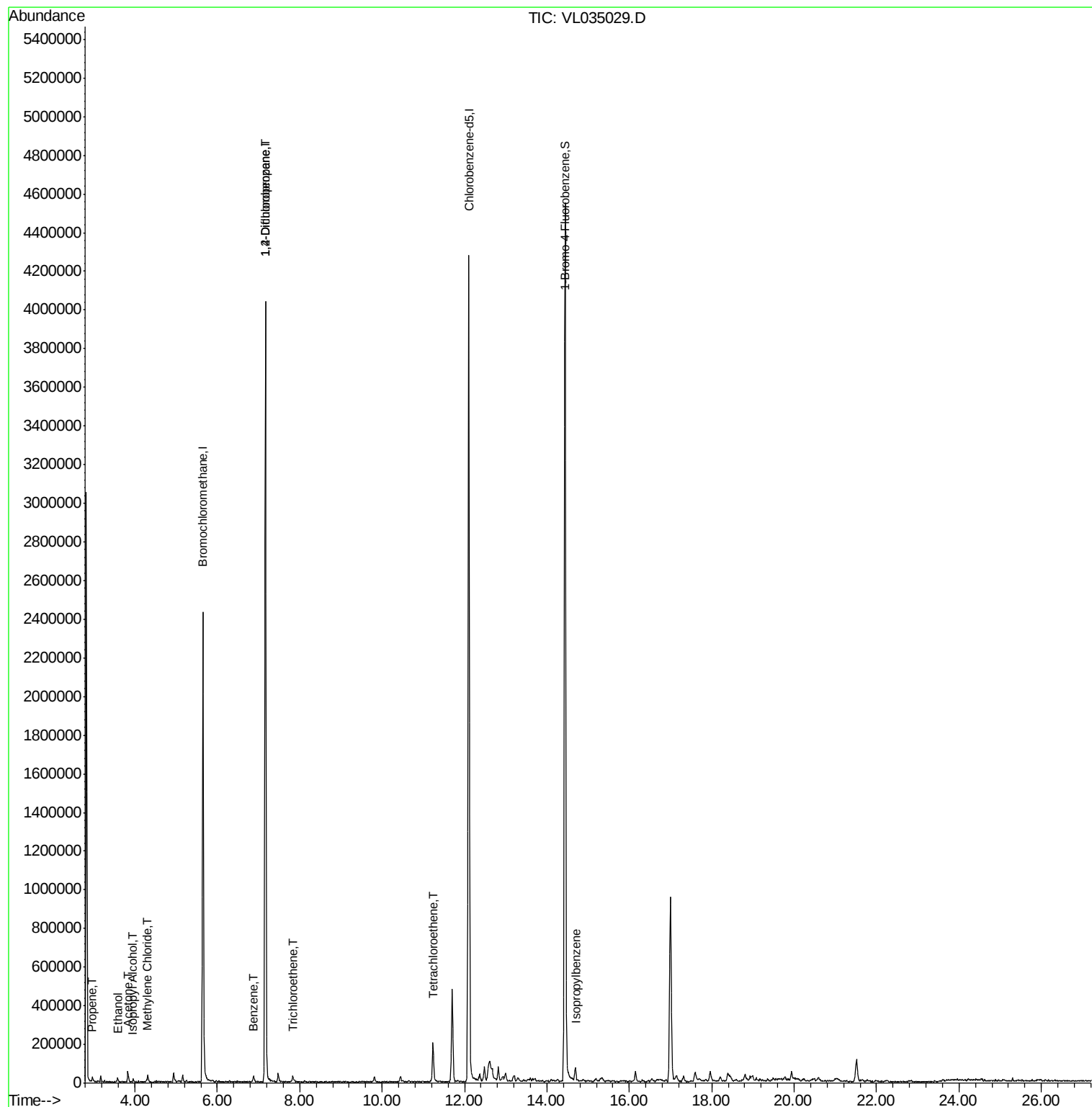
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.97	41	2280	0.038	ppbv #	3
13) Ethanol	3.57	45	6729	0.338	ppbv #	39
15) Acetone	3.83	43	48693	0.302	ppbv #	79
19) Isopropyl Alcohol	3.94	45	3223	0.030	ppbv #	94
20) Methylene Chloride	4.32	84	5516	0.103	ppbv #	63
36) Benzene	6.88	78	12568	0.053	ppbv	95
38) Trichloroethene	7.83	130	4154	0.045	ppbv #	45
39) 1,2-Dichloropropane	7.17	63	756778	7.977	ppbv #	26
52) Tetrachloroethene	11.23	164	22260	0.265	ppbv	89
62) Isopropylbenzene	14.69	105	49604	0.114	ppbv	99

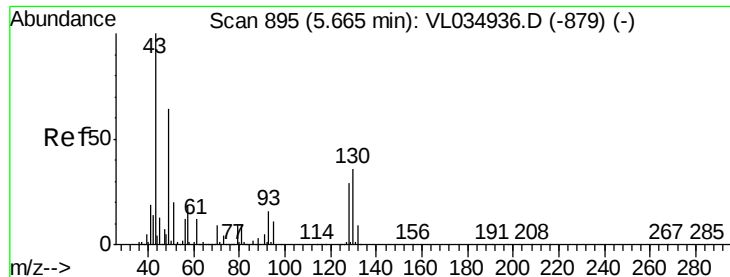
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051420\
Data File : VL035029.D
Acq On : 14 May 2020 20:57
Operator : SY/AP
Sample : L2566-03DL2 120X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 15 01:11:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035029.D

Acq: 14 May 2020 20:57

Instrument :

MSVOA_L

ClientSampleId :

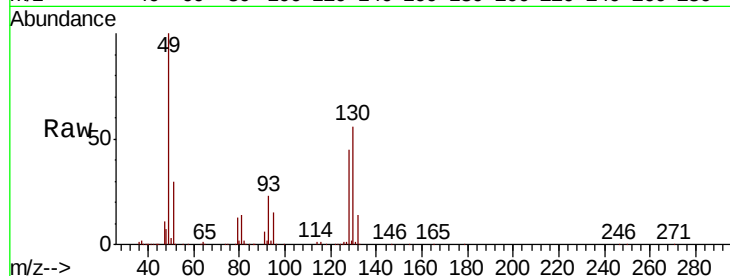
Tot Ion: 49 Resp: 1217833

Ion Ratio Lower Upper

49 100

128 45.5 22.1 66.5

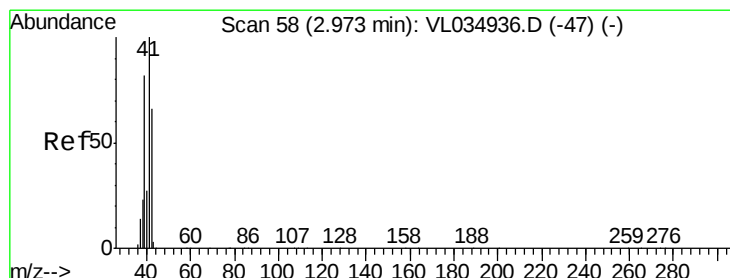
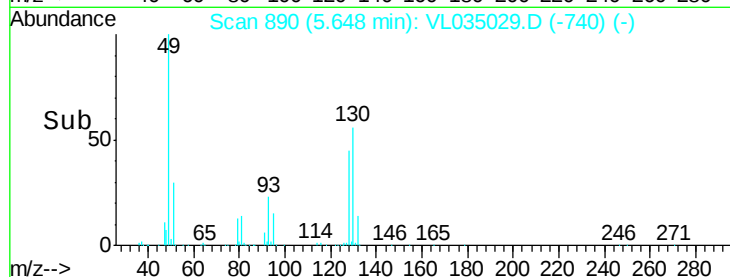
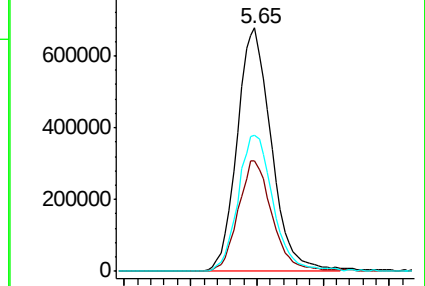
130 57.7 29.1 87.3



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



#9

Propene

Concen: 0.038 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL035029.D

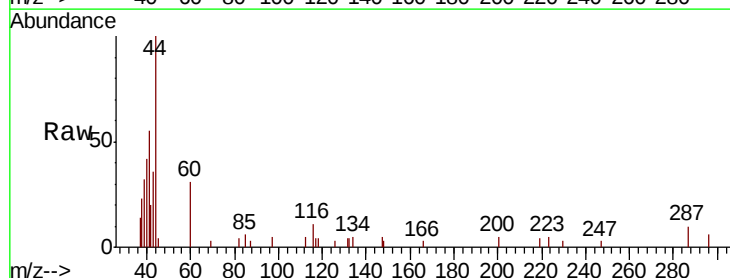
Acq: 14 May 2020 20:57

Tgt Ion: 41 Resp: 2280

Ion Ratio Lower Upper

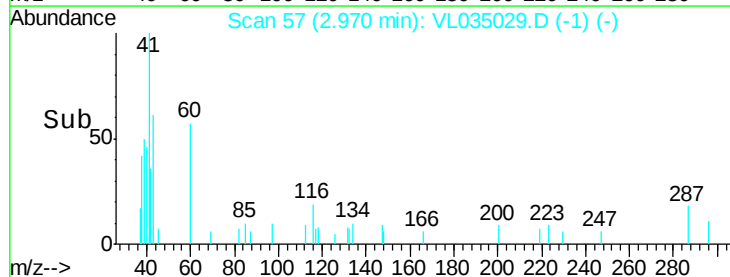
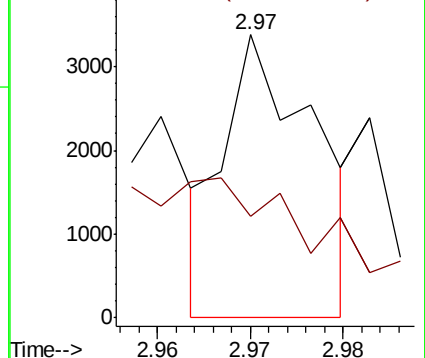
41 100

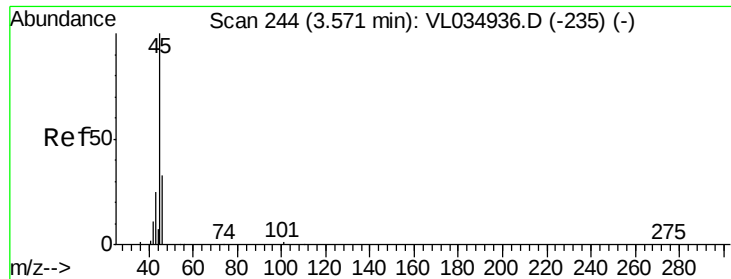
42 146.5 54.5 81.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

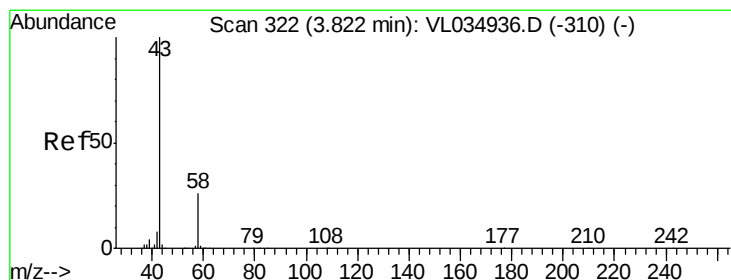
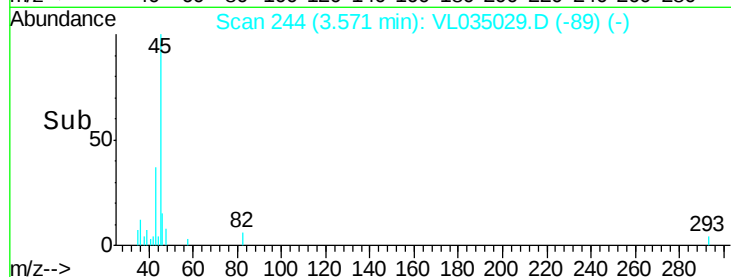
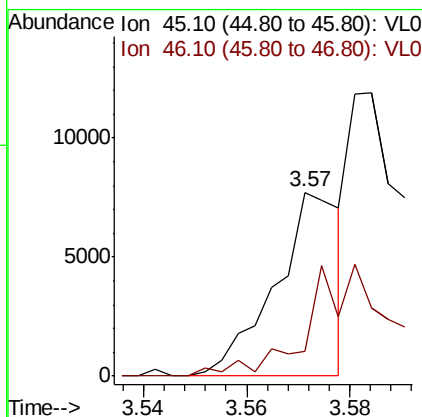
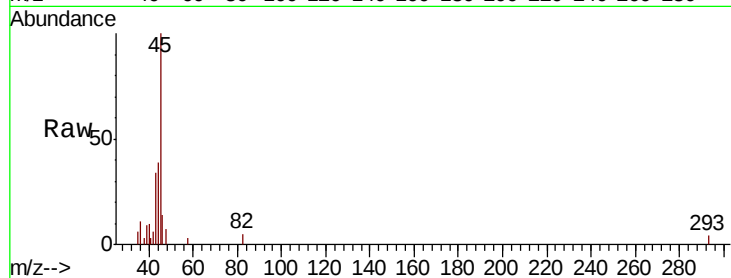




#13
Ethanol
Concen: 0.338 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.00 min
Lab File: VL035029.D
Acq: 14 May 2020 20:57

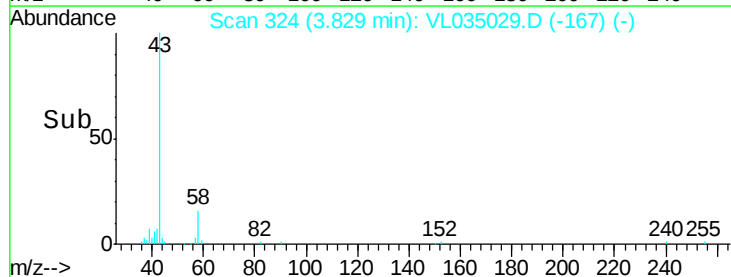
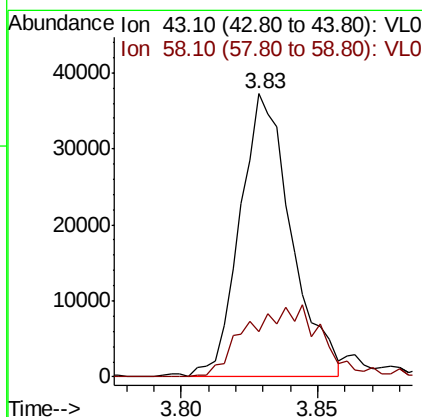
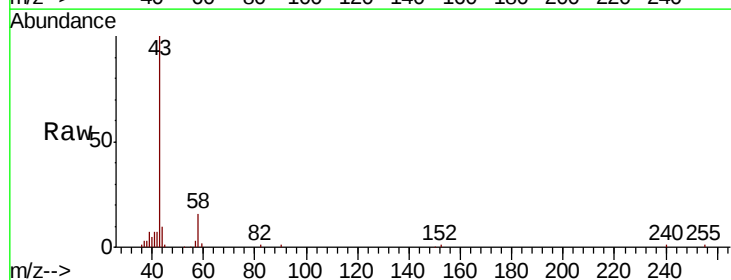
Instrument :
MSVOA_L
ClientSampleId :

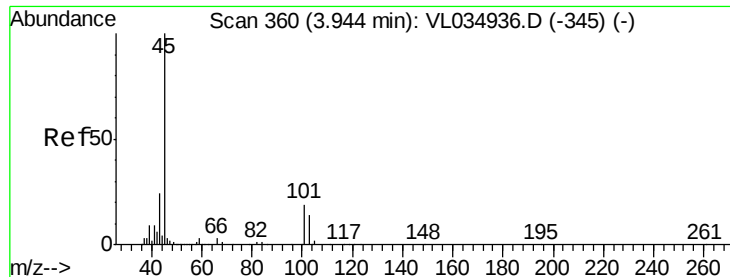
Tot Ion: 45 Resp: 6729
Ion Ratio Lower Upper
45 100
46 0.0 14.3 57.3#



#15
Acetone
Concen: 0.302 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: VL035029.D
Acq: 14 May 2020 20:57

Tgt Ion: 43 Resp: 48693
Ion Ratio Lower Upper
43 100
58 37.9 21.7 32.5#





#19

Isopropyl Alcohol

Concen: 0.030 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL035029.D

Acq: 14 May 2020 20:57

Instrument :

MSVOA_L

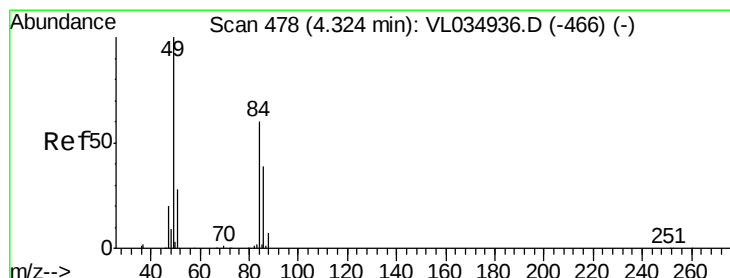
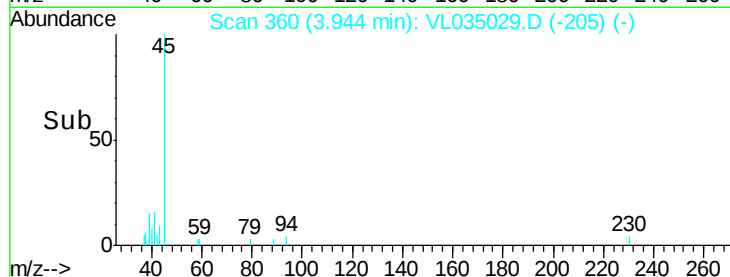
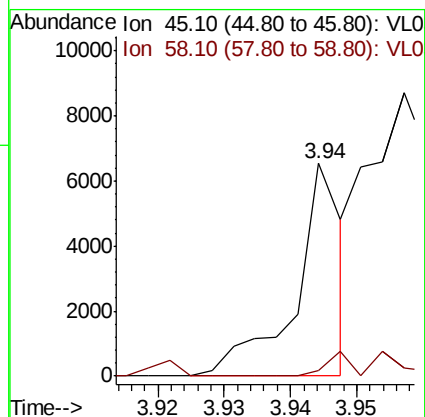
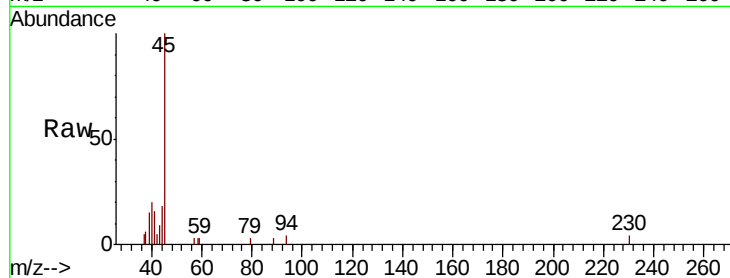
ClientSampleId :

Tot Ion: 45 Resp: 3223

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



#20

Methylene Chloride

Concen: 0.103 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL035029.D

Acq: 14 May 2020 20:57

Tgt Ion: 84 Resp: 5516

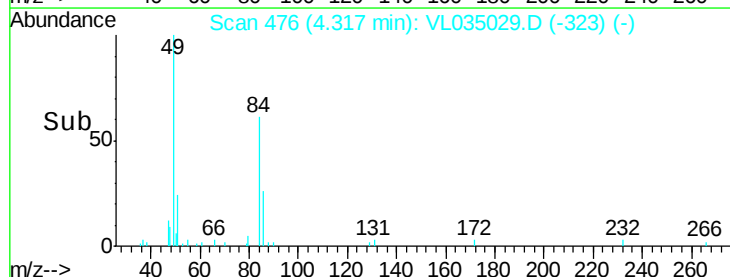
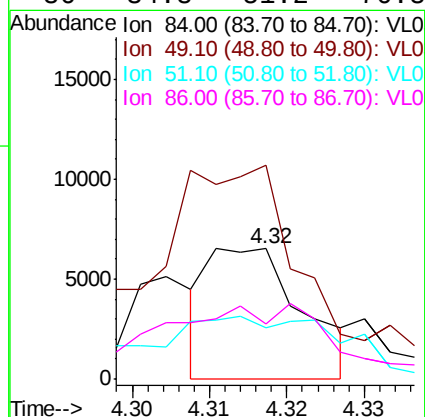
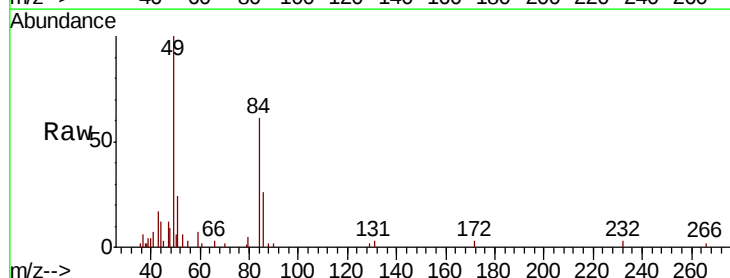
Ion Ratio Lower Upper

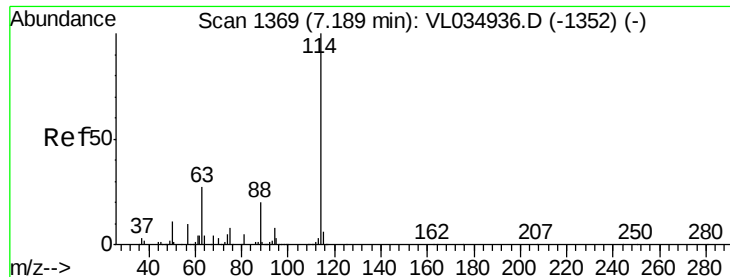
84 100

49 214.3 132.5 198.7#

51 20.8 38.4 57.6#

86 34.8 51.2 76.8#

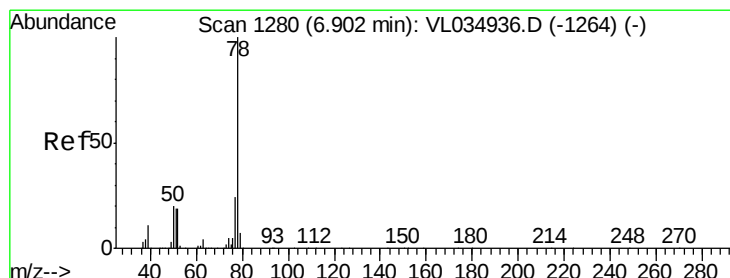
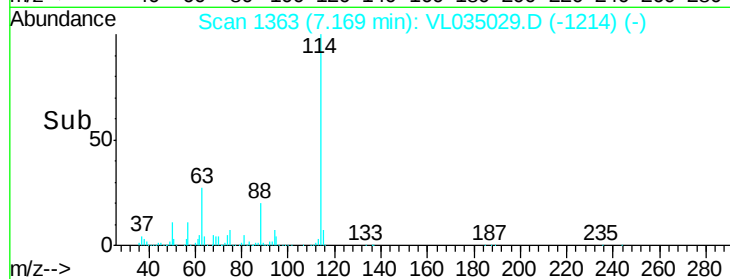
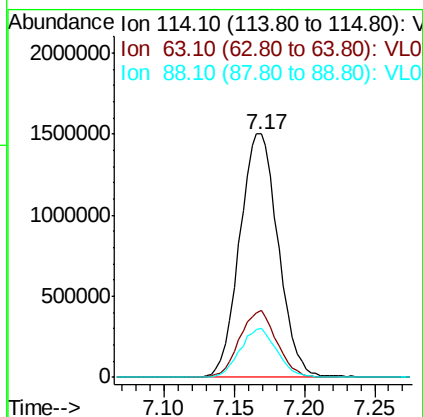
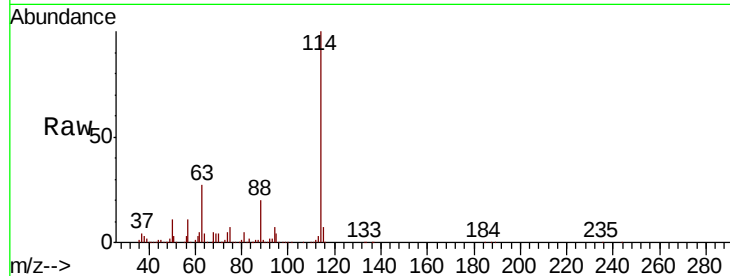




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL035029.D
 Acq: 14 May 2020 20:57

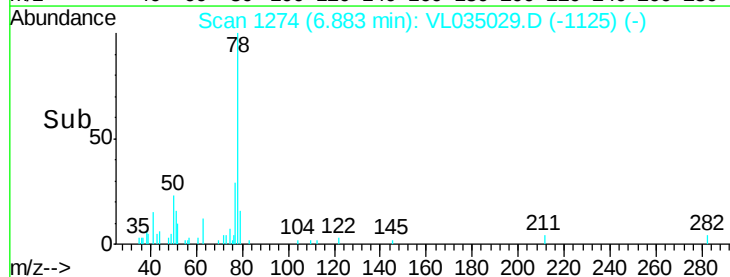
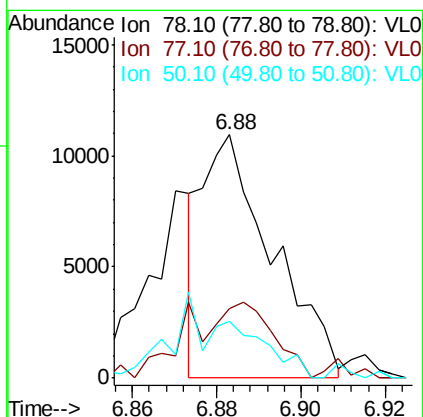
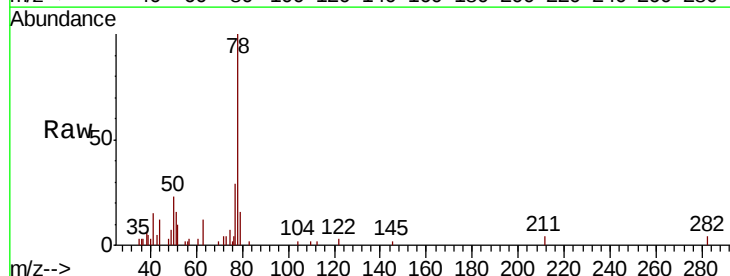
Instrument :
 MSVOA_L
 ClientSampleId :

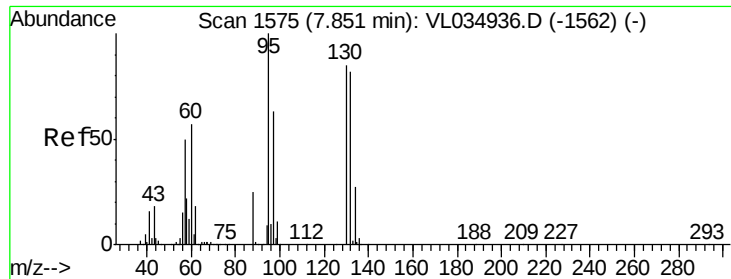
Tot Ion:114 Resp: 2870322
 Ion Ratio Lower Upper
 114 100
 63 26.5 22.2 33.4
 88 19.4 15.5 23.3



#36
 Benzene
 Concen: 0.053 ppbv
 RT: 6.88 min Scan# 1274
 Delta R.T. -0.02 min
 Lab File: VL035029.D
 Acq: 14 May 2020 20:57

Tgt Ion: 78 Resp: 12568
 Ion Ratio Lower Upper
 78 100
 77 21.1 19.0 28.6
 50 17.8 15.8 23.8





#38

Trichloroethene

Concen: 0.045 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VL035029.D

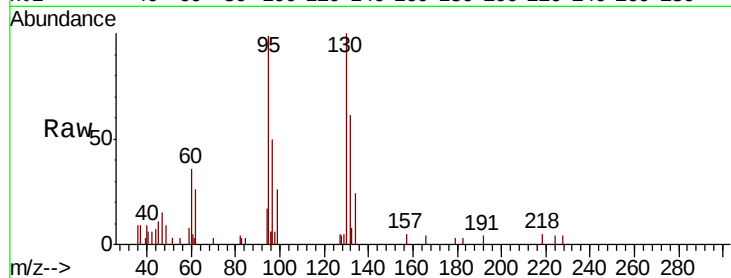
Acq: 14 May 2020 20:57

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:130	Resp:	4154
Ion	Ratio	Lower Upper
130	100	
95	60.1	93.4 140.0#
132	47.2	76.4 114.6#
97	16.9	58.5 87.7#

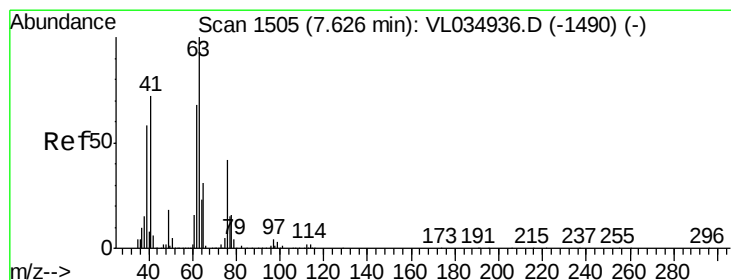
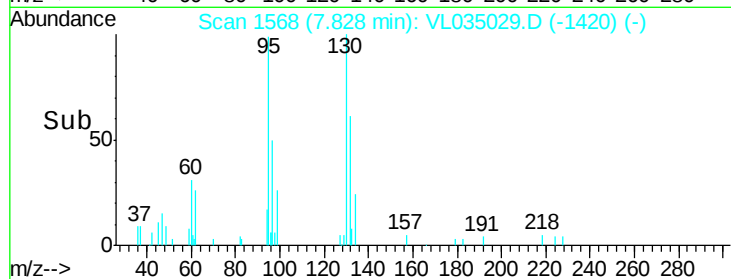
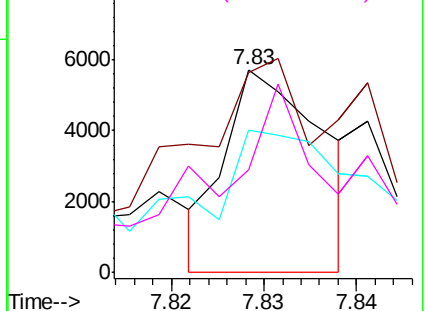


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 7.977 ppbv

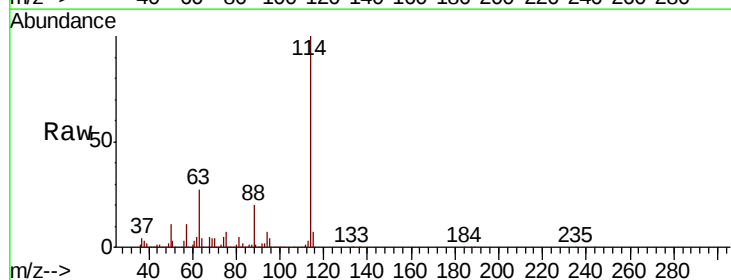
RT: 7.17 min Scan# 1363

Delta R.T. -0.46 min

Lab File: VL035029.D

Acq: 14 May 2020 20:57

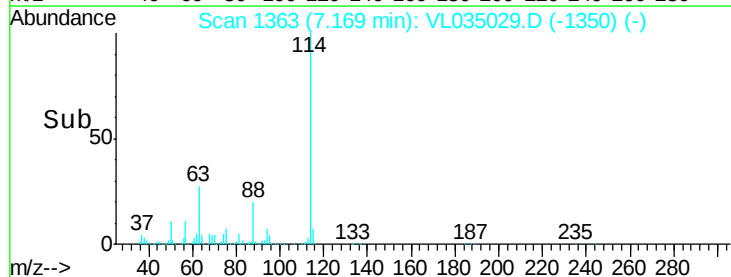
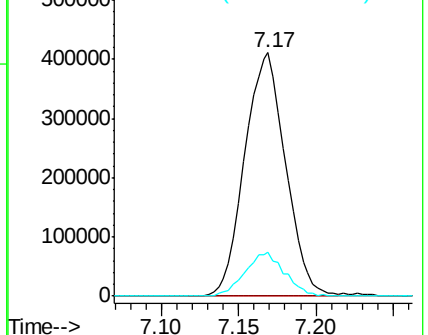
Tgt Ion: 63	Resp:	756778
Ion	Ratio	Lower Upper
63	100	
41	0.2	57.8 86.8#
62	18.2	54.2 81.2#

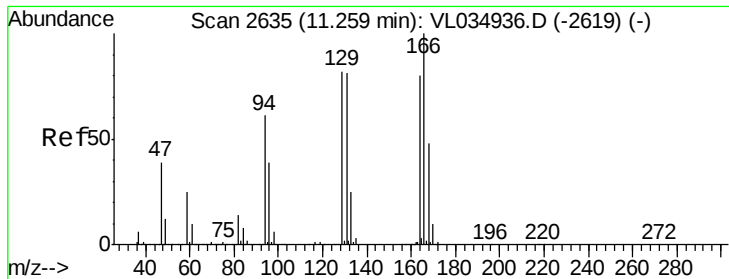


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.265 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. -0.03 min

Lab File: VL035029.D

Acq: 14 May 2020 20:57

Instrument :

MSVOA_L

ClientSampled :

Tot Ion:164 Resp: 22260

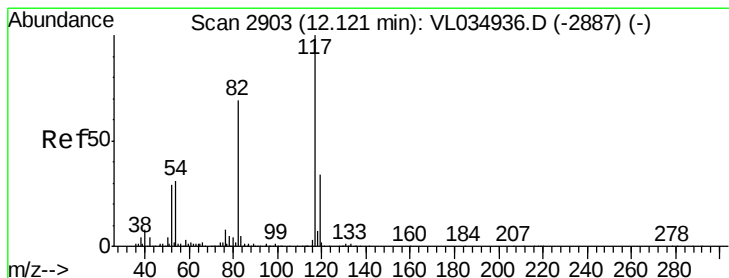
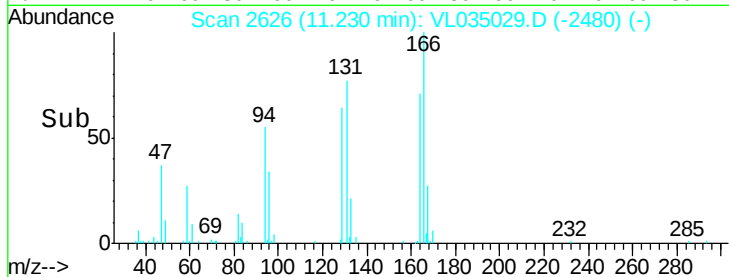
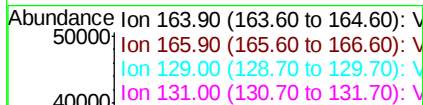
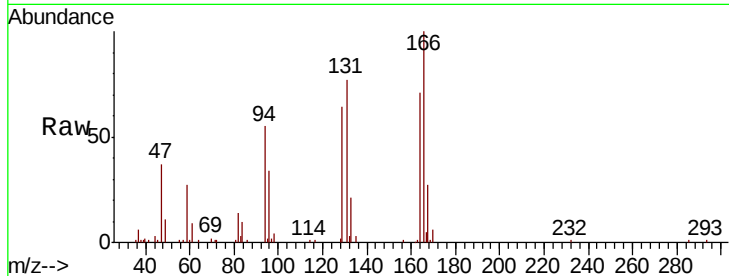
Ion Ratio Lower Upper

164 100

166 138.9 100.7 151.1

129 89.0 83.0 124.4

131 107.6 81.0 121.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.02 min

Lab File: VL035029.D

Acq: 14 May 2020 20:57

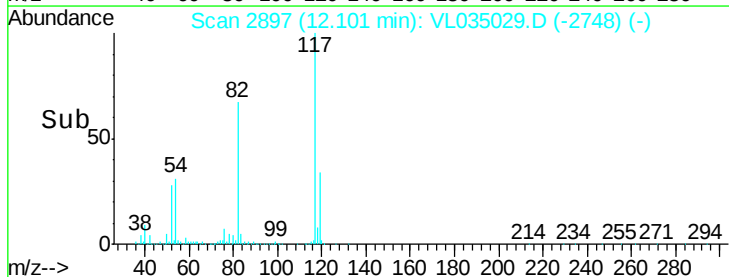
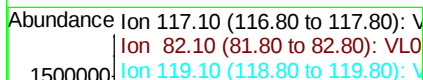
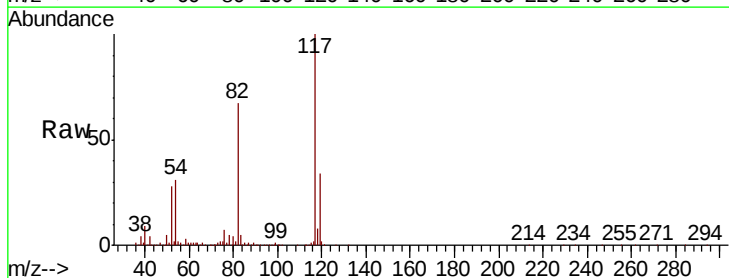
Tgt Ion:117 Resp: 2709165

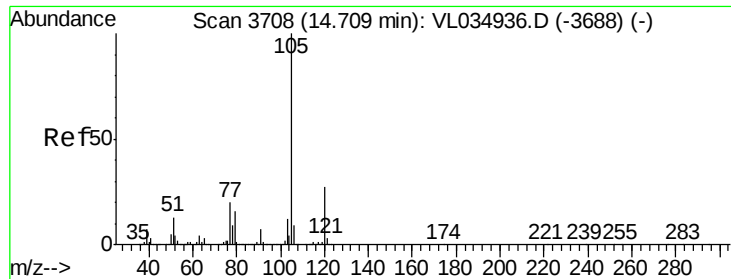
Ion Ratio Lower Upper

117 100

82 68.0 53.1 79.7

119 33.0 26.7 40.1





#62

Isopropylbenzene

Concen: 0.114 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.02 min

Lab File: VL035029.D

Acq: 14 May 2020 20:57

Instrument :

MSVOA_L

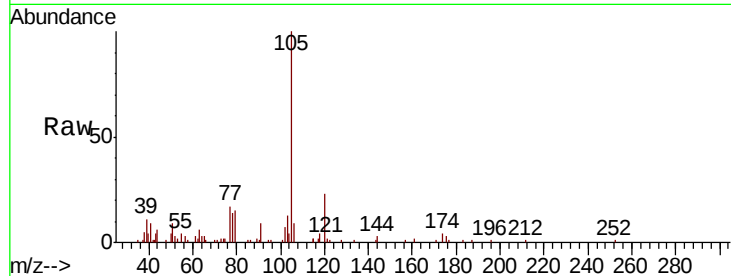
ClientSampleId :

Tot Ion: 105 Resp: 49604

Ion Ratio Lower Upper

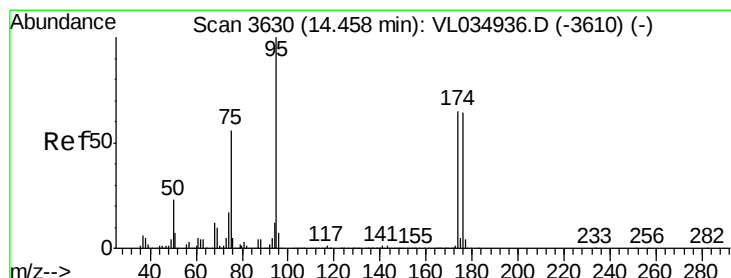
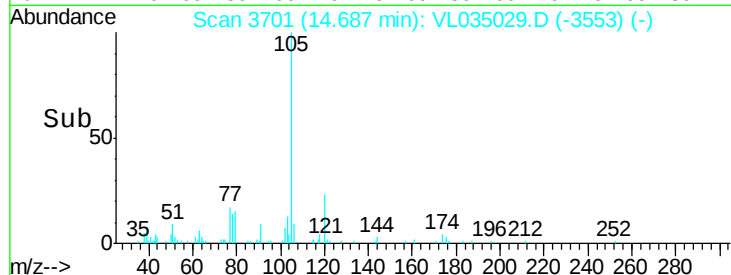
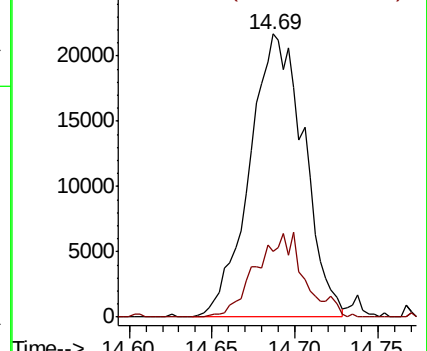
105 100

120 26.4 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.212 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.02 min

Lab File: VL035029.D

Acq: 14 May 2020 20:57

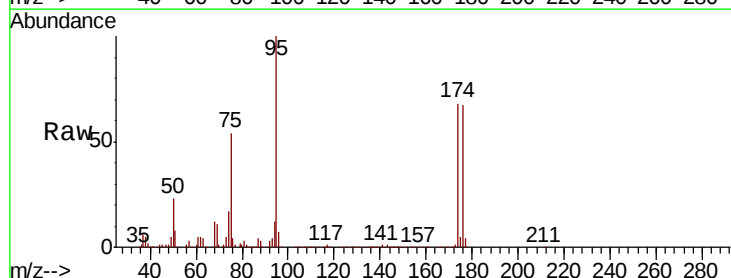
Tgt Ion: 95 Resp: 2239349

Ion Ratio Lower Upper

95 100

174 67.9 51.5 77.3

175 5.2 3.8 5.8



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

