

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034247.D
 Acq On : 8 Oct 2019 10:31
 Operator : SY/AP
 Sample : K5225-04DL2 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL2

Quant Time: Oct 09 02:25:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	888167	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1517698	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1555901	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1374857	10.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

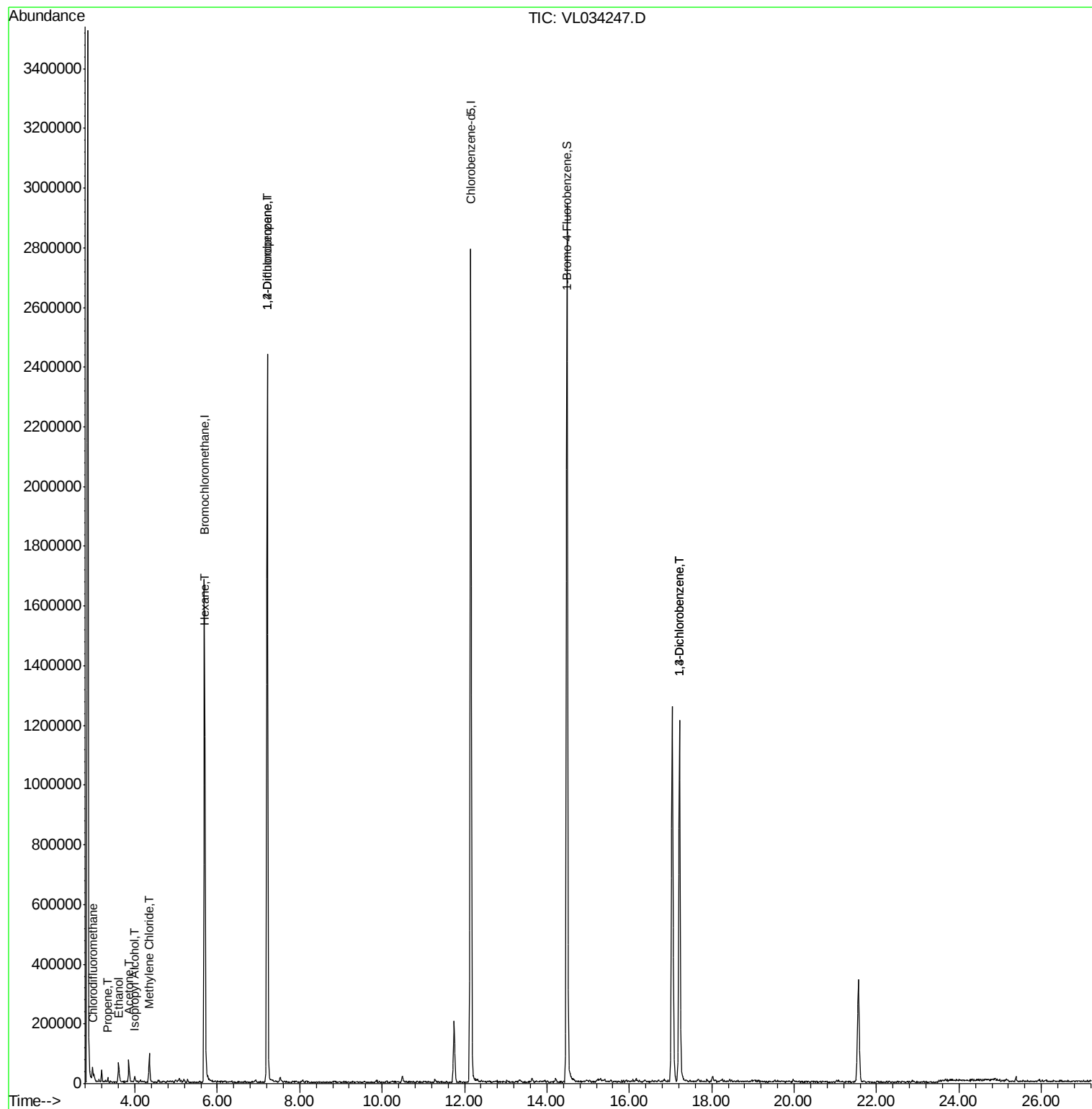
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	34211	0.329	ppbv	100
9) Propene	3.34	41	2964	0.058	ppbv	90
13) Ethanol	3.60	45	65752	5.285	ppbv	95
15) Acetone	3.85	43	71941	0.604	ppbv	95
19) Isopropyl Alcohol	3.99	45	10418	0.142	ppbv #	81
20) Methylene Chloride	4.35	84	25037	0.729	ppbv #	75
26) Hexane	5.71	57	18937	0.202	ppbv #	44
39) 1,2-Dichloropropane	7.21	63	495374	6.577	ppbv #	20
75) 1,3-Dichlorobenzene	17.22	146	561094	4.340	ppbv	98
76) 1,4-Dichlorobenzene	17.22	146	561094	4.238	ppbv	99

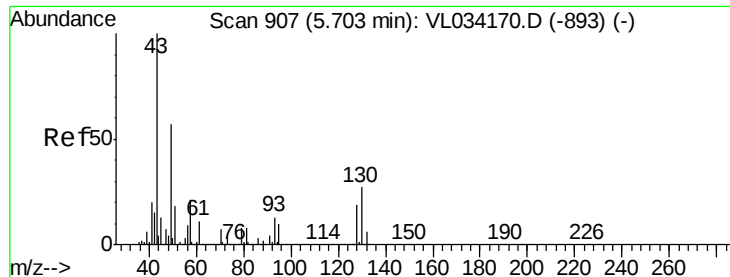
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
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QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034247.D

Acq: 8 Oct 2019 10:31

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

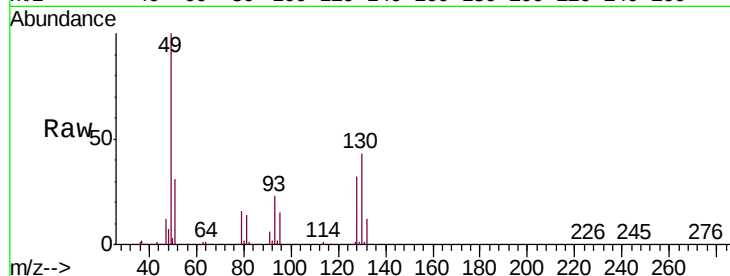
Tgt Ion: 49 Resp: 888167

Ion Ratio Lower Upper

49 100

128 35.9 17.6 52.9

130 46.6 22.3 66.9



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

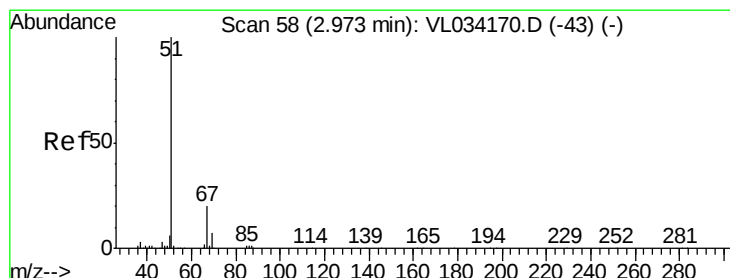
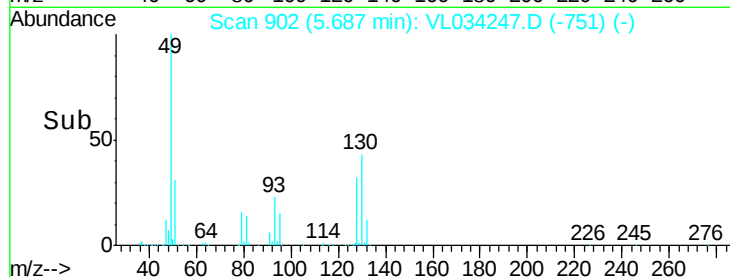
5.69

400000

200000

0

Time--> 5.60 5.65 5.70 5.75



#3

Chlorodifluoromethane

Concen: 0.329 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034247.D

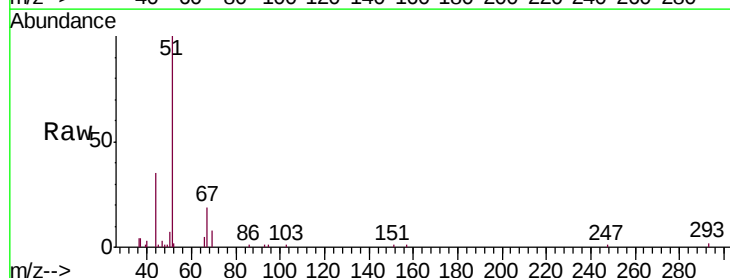
Acq: 8 Oct 2019 10:31

Tgt Ion: 51 Resp: 34211

Ion Ratio Lower Upper

51 100

67 18.7 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.97

30000

25000

20000

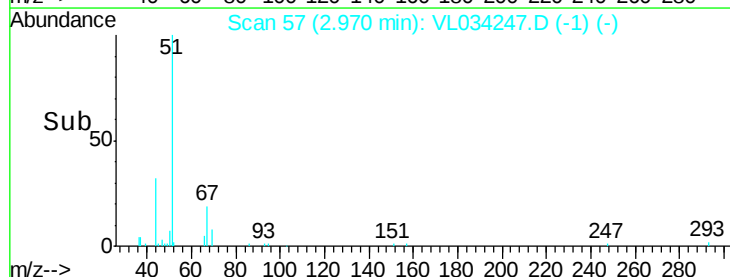
15000

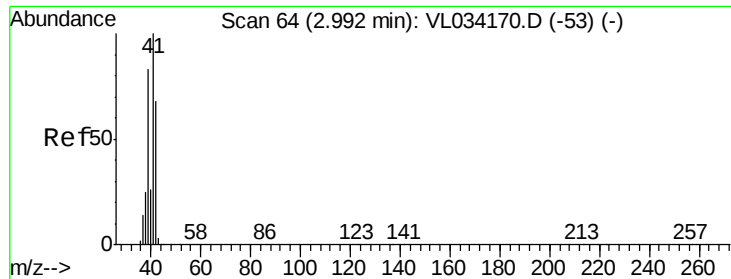
10000

5000

0

Time--> 2.90 2.95 3.00 3.05





#9

Propene

Concen: 0.058 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.35 min

Lab File: VL034247.D

Acq: 8 Oct 2019 10:31

Instrument :

MSVOA_L

ClientSampleId :

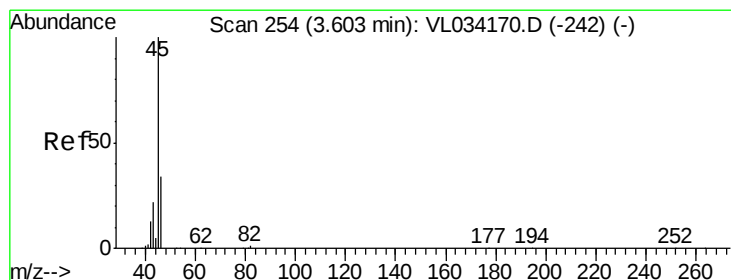
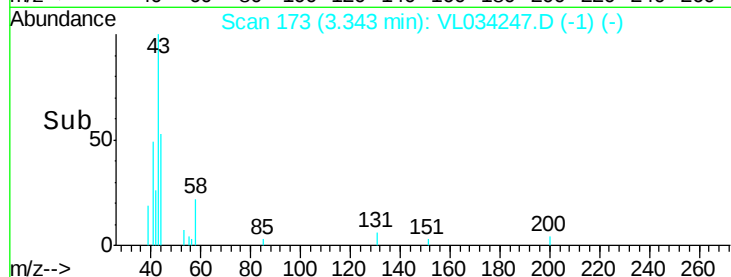
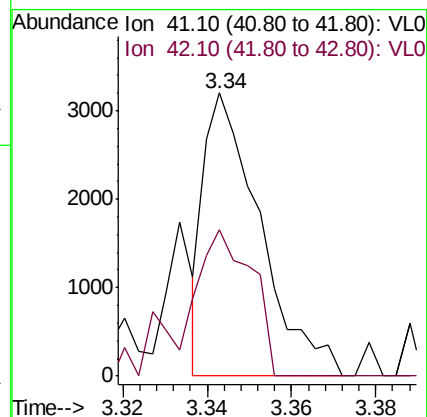
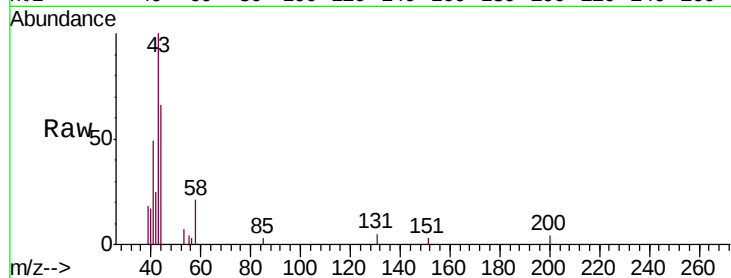
IA2DL2

Tgt Ion: 41 Resp: 2964

Ion Ratio Lower Upper

41 100

42 61.8 55.8 83.6



#13

Ethanol

Concen: 5.285 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL034247.D

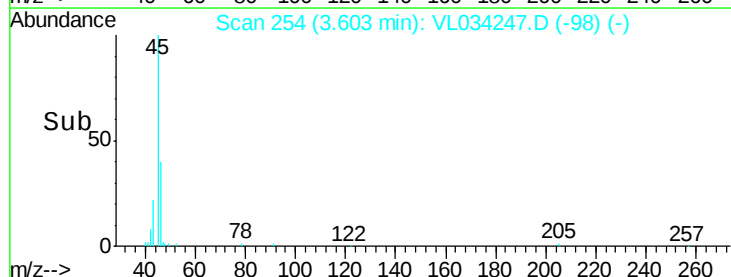
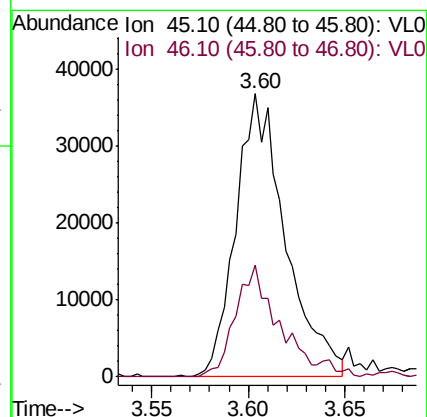
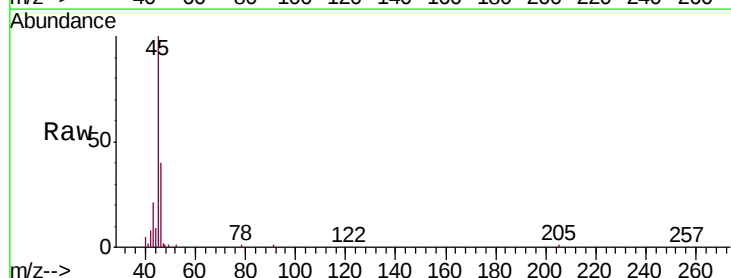
Acq: 8 Oct 2019 10:31

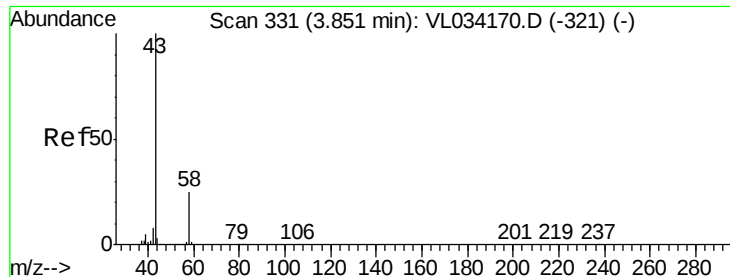
Tgt Ion: 45 Resp: 65752

Ion Ratio Lower Upper

45 100

46 35.6 15.5 61.9





#15

Acetone

Concen: 0.604 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL034247.D

Acq: 8 Oct 2019 10:31

Instrument :

MSVOA_L

ClientSampleId :

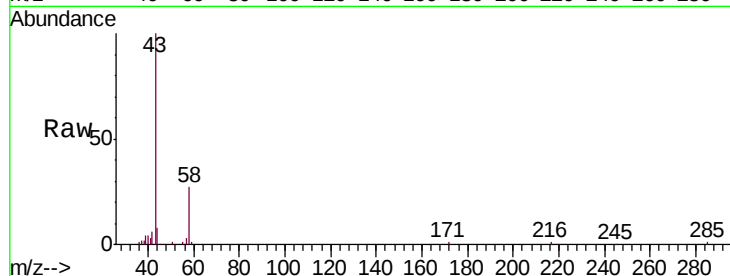
IA2DL2

Tgt Ion: 43 Resp: 71941

Ion Ratio Lower Upper

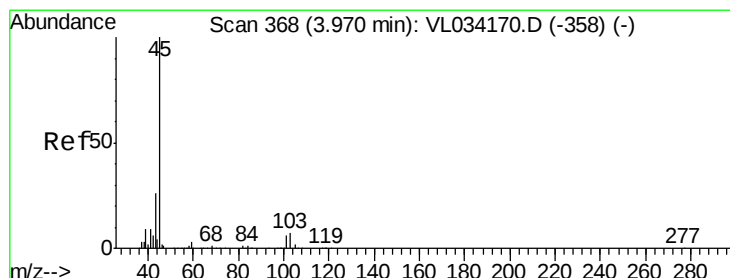
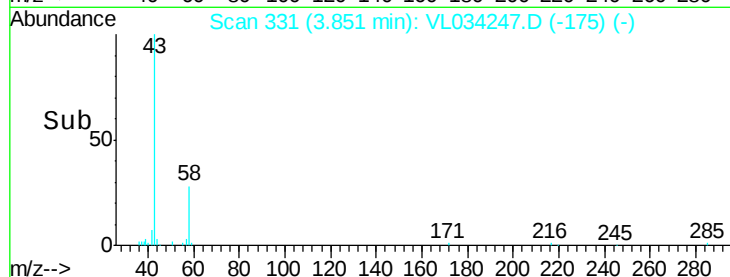
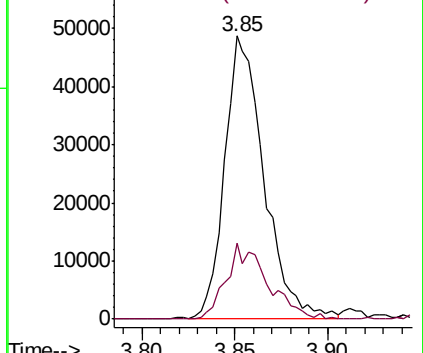
43 100

58 28.2 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.142 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.02 min

Lab File: VL034247.D

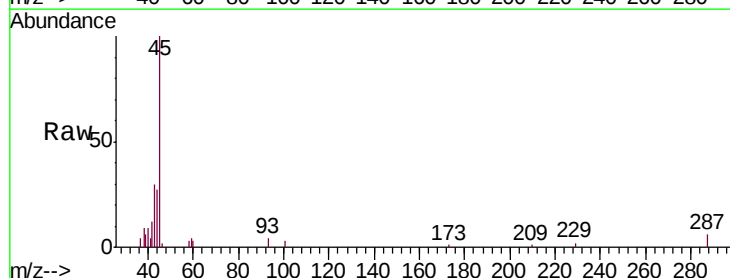
Acq: 8 Oct 2019 10:31

Tgt Ion: 45 Resp: 10418

Ion Ratio Lower Upper

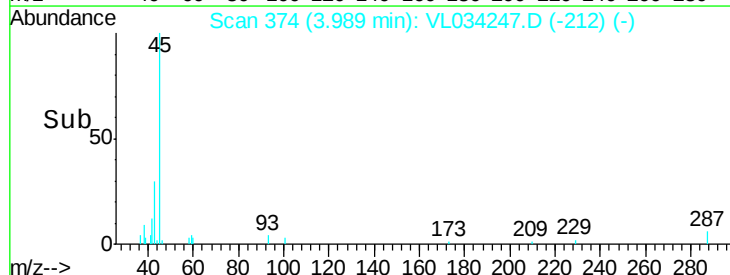
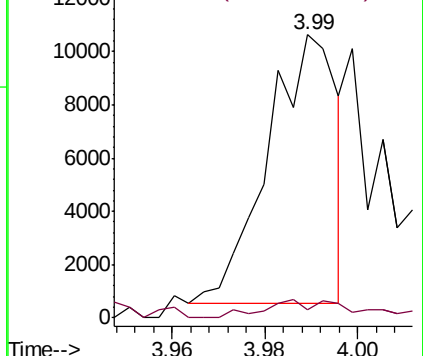
45 100

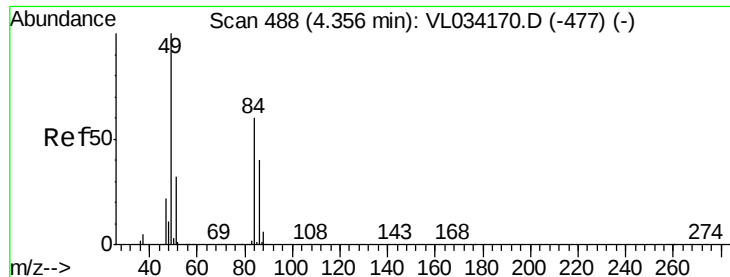
58 8.7 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

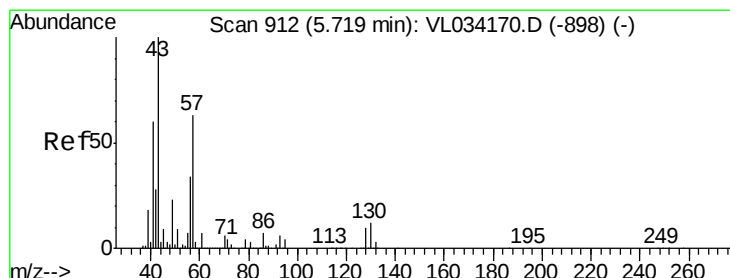
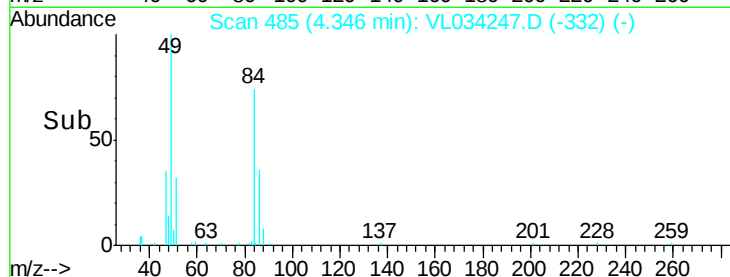
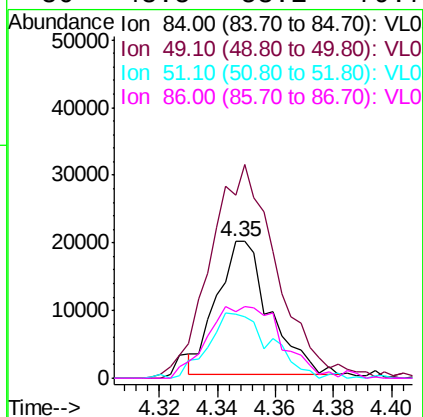
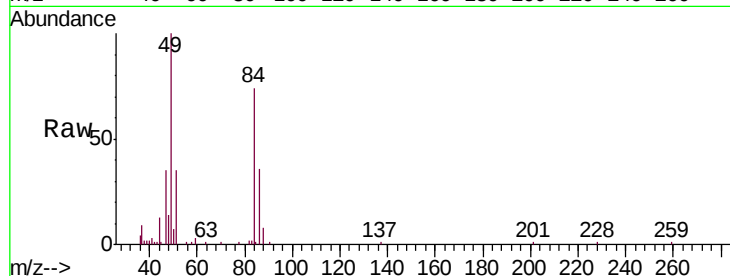




#20
Methylene Chloride
Concen: 0.729 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.01 min
Lab File: VL034247.D
Acq: 8 Oct 2019 10:31

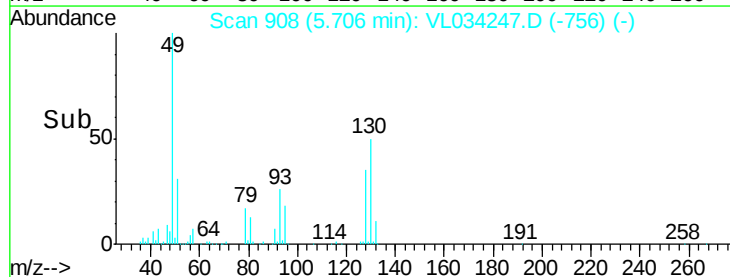
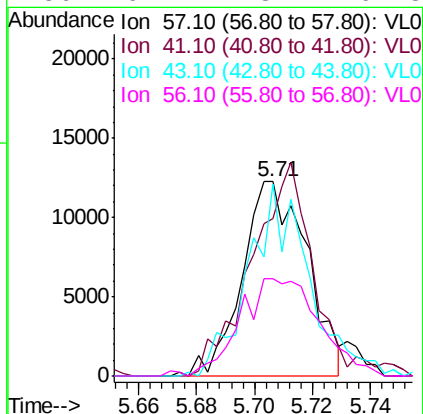
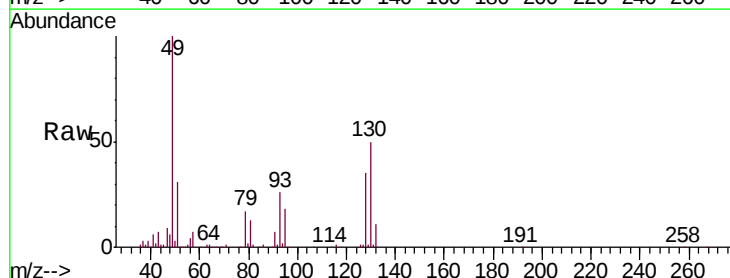
Instrument :
MSVOA_L
ClientSampleId :
IA2DL2

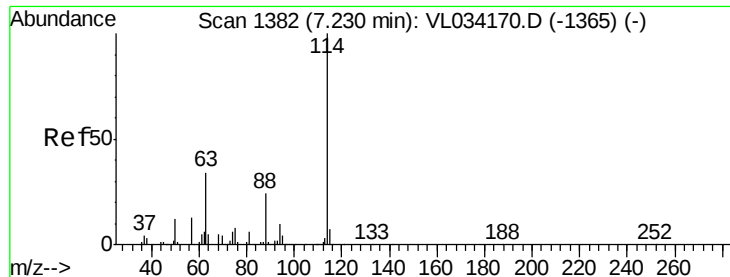
Tgt Ion: 84 Resp: 25037
Ion Ratio Lower Upper
84 100
49 126.7 133.8 200.8#
51 44.2 43.6 65.4
86 48.5 53.1 79.7#



#26
Hexane
Concen: 0.202 ppbv
RT: 5.71 min Scan# 908
Delta R.T. -0.01 min
Lab File: VL034247.D
Acq: 8 Oct 2019 10:31

Tgt Ion: 57 Resp: 18937
Ion Ratio Lower Upper
57 100
41 105.6 78.5 117.7
43 93.0 189.5 284.3#
56 62.2 43.2 64.8

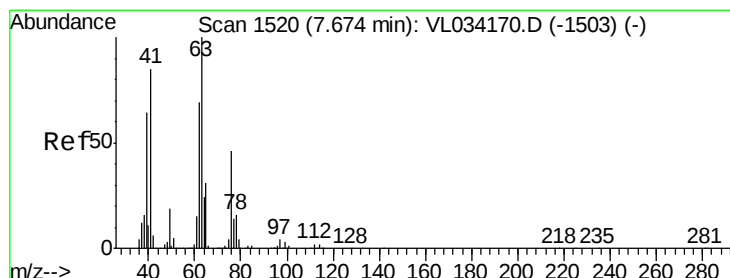
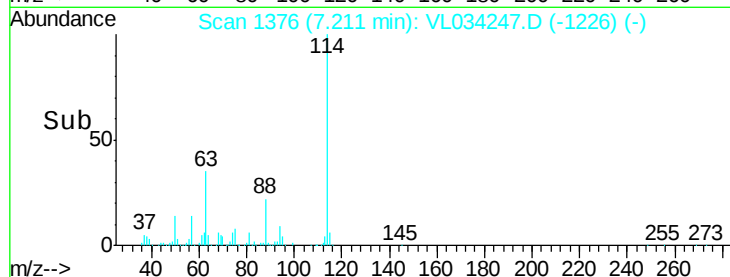
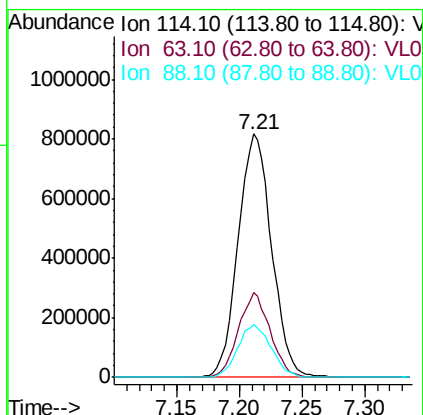
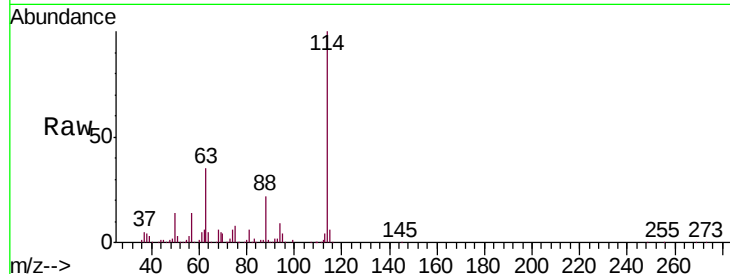




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034247.D
 Acq: 8 Oct 2019 10:31

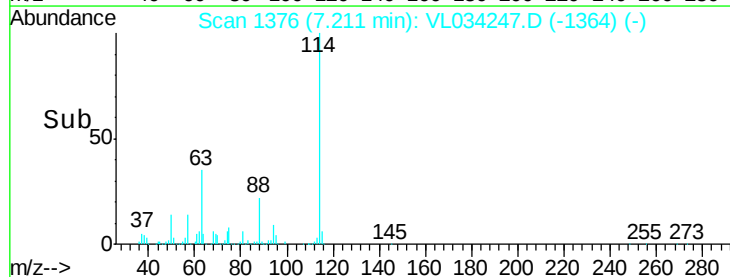
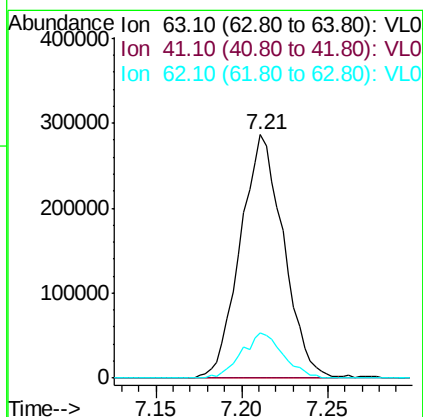
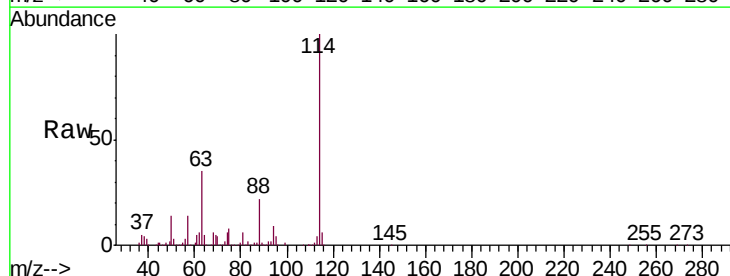
Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL2

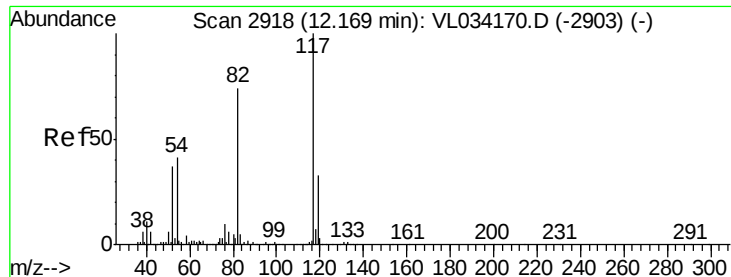
Tgt Ion: 114 Resp: 1517698
 Ion Ratio Lower Upper
 114 100
 63 33.1 27.8 41.6
 88 21.5 17.1 25.7



#39
 1,2-Dichloropropane
 Concen: 6.577 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.46 min
 Lab File: VL034247.D
 Acq: 8 Oct 2019 10:31

Tgt Ion: 63 Resp: 495374
 Ion Ratio Lower Upper
 63 100
 41 0.0 68.4 102.6#
 62 18.4 55.4 83.2#

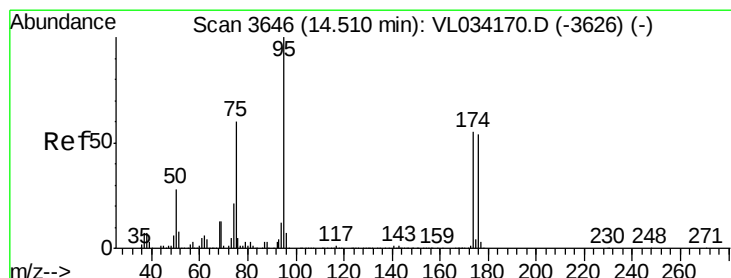
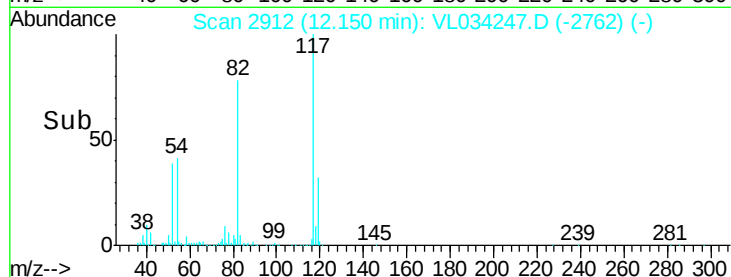
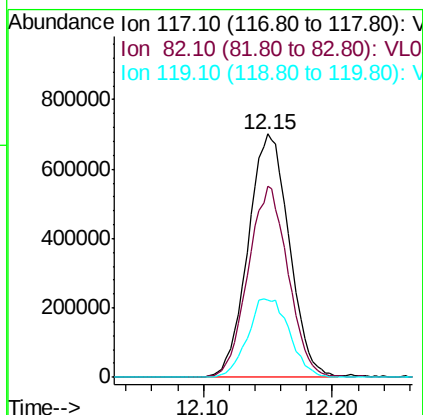
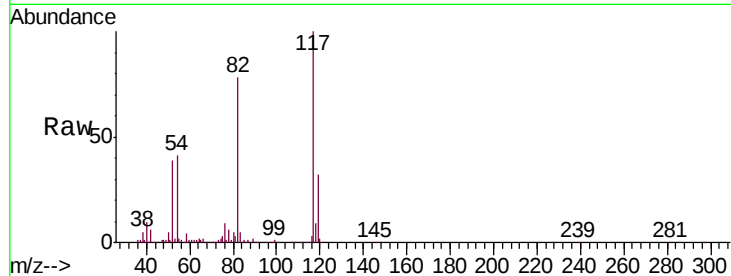




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034247.D
Acq: 8 Oct 2019 10:31

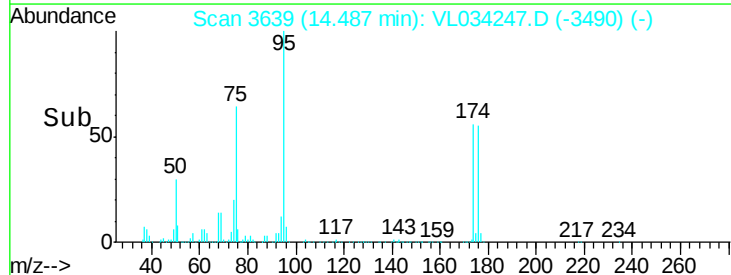
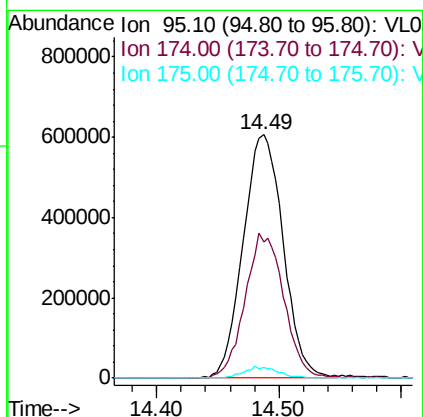
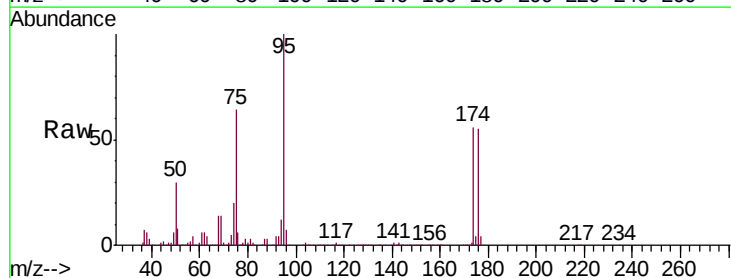
Instrument :
MSVOA_L
ClientSampleId :
IA2DL2

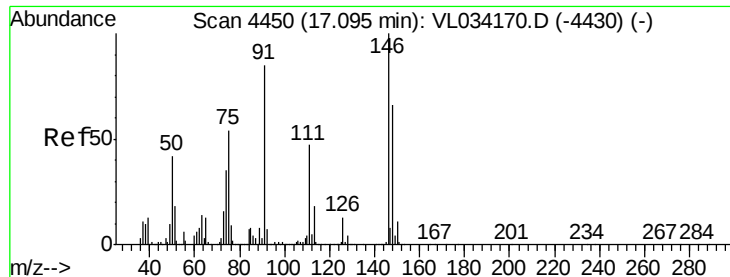
Tgt Ion: 117 Resp: 1555901
Ion Ratio Lower Upper
117 100
82 76.7 58.2 87.4
119 32.9 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.169 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034247.D
Acq: 8 Oct 2019 10:31

Tgt Ion: 95 Resp: 1374857
Ion Ratio Lower Upper
95 100
174 57.9 45.1 67.7
175 4.1 3.3 4.9





#75

1,3-Dichlorobenzene

Concen: 4.340 ppbv

RT: 17.22 min Scan# 4489

Delta R.T. 0.13 min

Lab File: VL034247.D

Acq: 8 Oct 2019 10:31

Instrument :

MSVOA_L

ClientSampleId :

IA2DL2

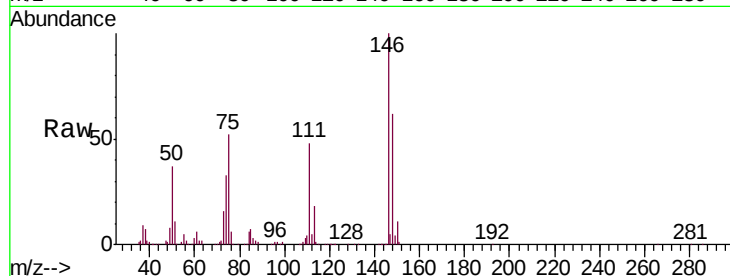
Tgt Ion:146 Resp: 561094

Ion Ratio Lower Upper

146 100

111 49.9 25.9 77.8

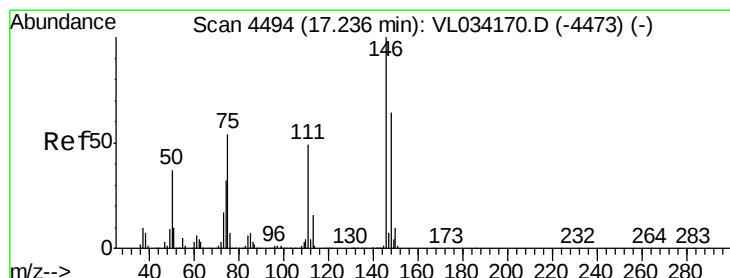
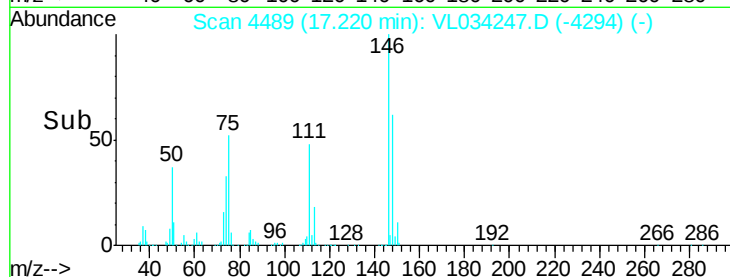
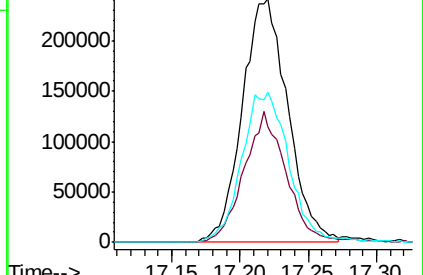
148 64.2 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 4.238 ppbv

RT: 17.22 min Scan# 4489

Delta R.T. -0.02 min

Lab File: VL034247.D

Acq: 8 Oct 2019 10:31

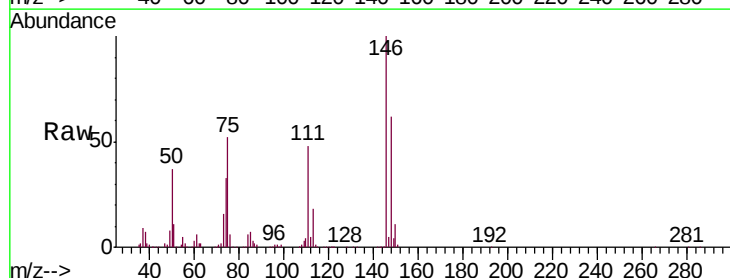
Tgt Ion:146 Resp: 561094

Ion Ratio Lower Upper

146 100

111 49.8 24.6 74.0

148 64.3 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

