

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022620\
 Data File : VL034687.D
 Acq On : 26 Feb 2020 10:49
 Operator : SY/AP
 Sample : L1314-01DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E051-1100DL

Quant Time: Feb 27 15:39:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Feb 26 06:58:15 2020
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1078260	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2293107	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2243058	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1926272	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

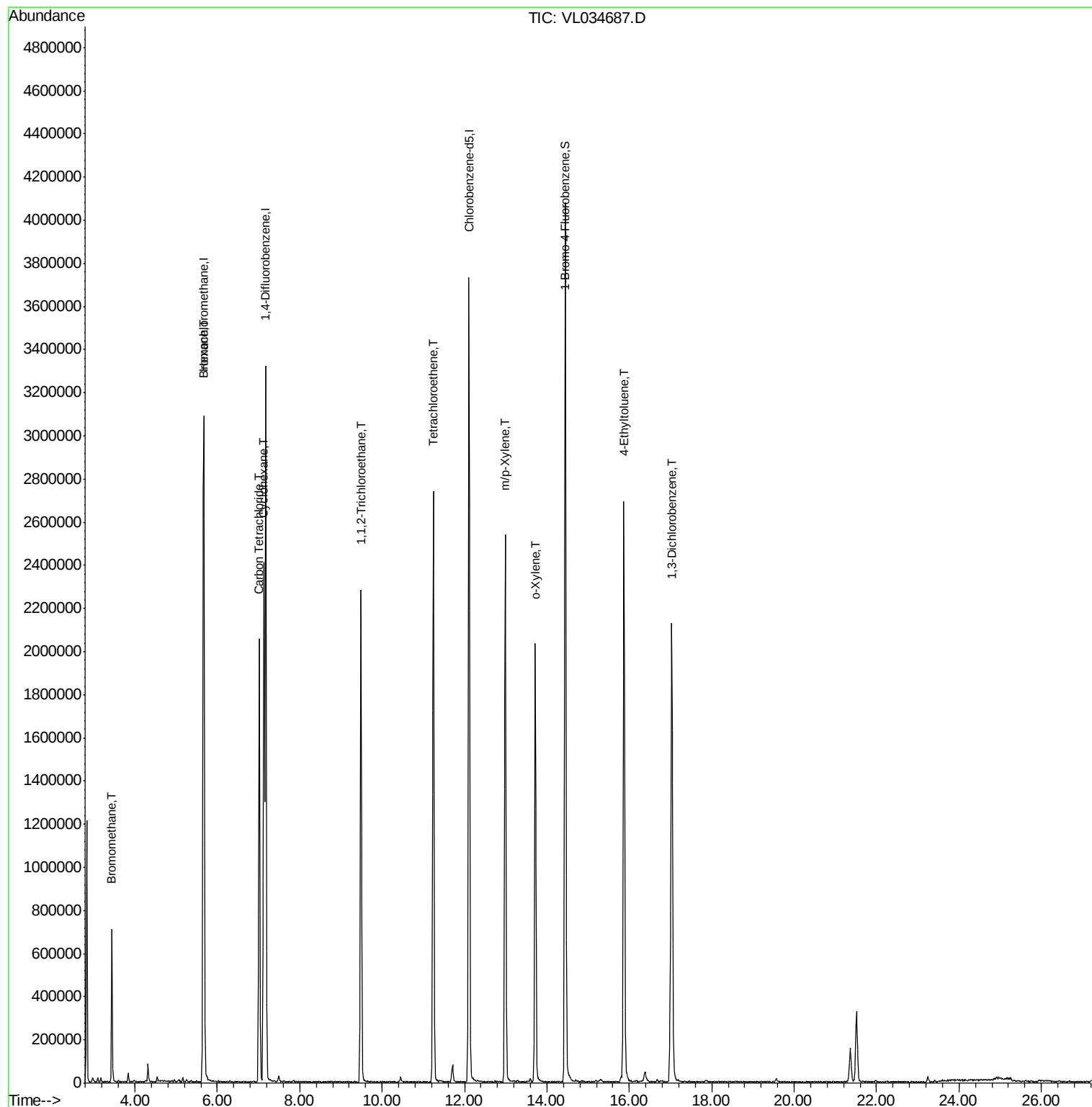
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	3.44	94	357142	9.539	ppbv	97
26) Hexane	5.67	57	911325	9.091	ppbv #	42
30) Cyclohexane	7.13	84	819849	10.553	ppbv	99
35) Carbon Tetrachloride	7.02	117	1210420	7.882	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	769235	9.516	ppbv	96
52) Tetrachloroethene	11.24	164	645301	8.889	ppbv	97
59) m/p-Xylene	12.99	91	1844543	7.793	ppbv	99
60) o-Xylene	13.72	91	1575028	6.706	ppbv	98
72) 4-Ethyltoluene	15.87	105	2264235	8.661	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	988544	6.166	ppbv	99

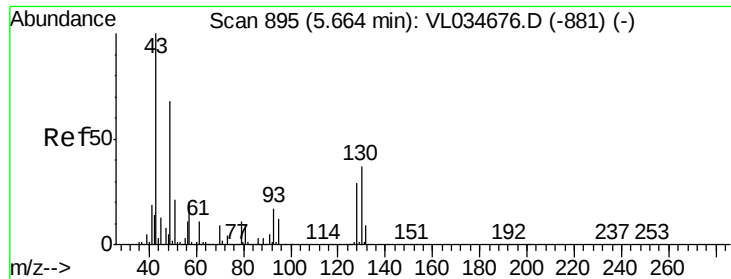
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL034687.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_L

ClientSampleId :

E051-1100DL

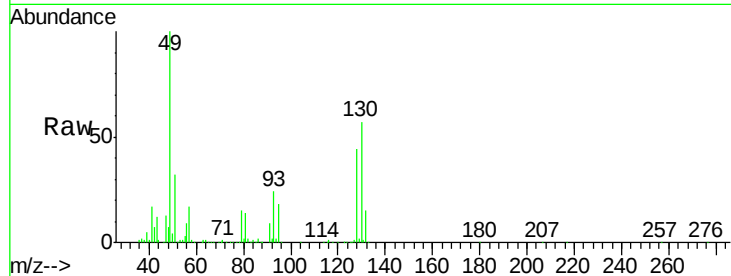
Tot Ion: 49 Resp: 1078260

Ion Ratio Lower Upper

49 100

128 43.5 21.6 65.0

130 55.7 27.7 83.1



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

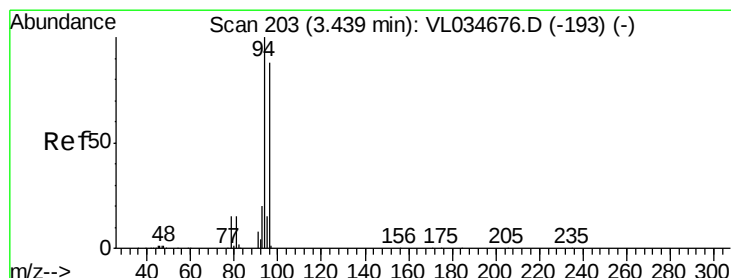
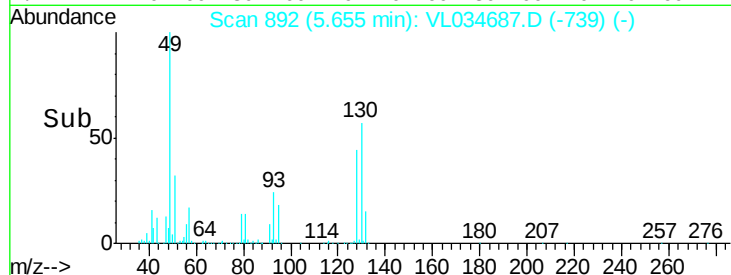
600000

400000

200000

0

Time--> 5.55 5.60 5.65 5.70 5.75



#6

Bromomethane

Concen: 9.539 ppbv

RT: 3.44 min Scan# 203

Delta R.T. 0.00 min

Lab File: VL034687.D

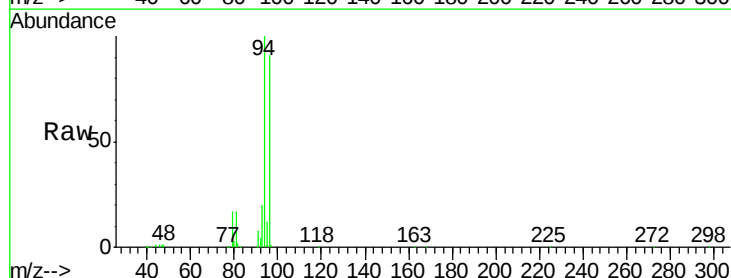
Acq: 26 Feb 2020 10:49

Tgt Ion: 94 Resp: 357142

Ion Ratio Lower Upper

94 100

96 91.2 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

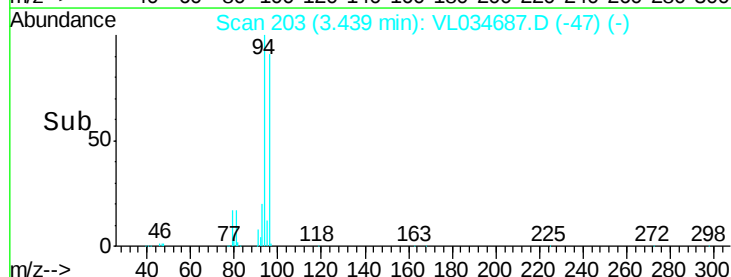
150000

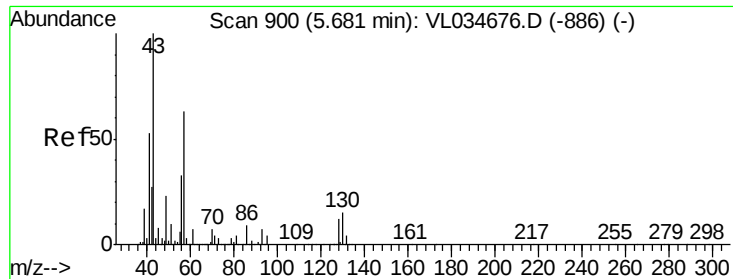
100000

50000

0

Time--> 3.40 3.45 3.50

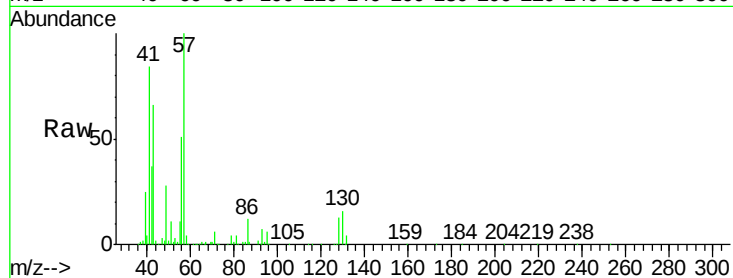




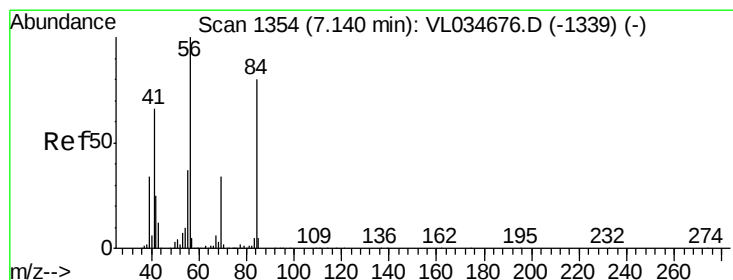
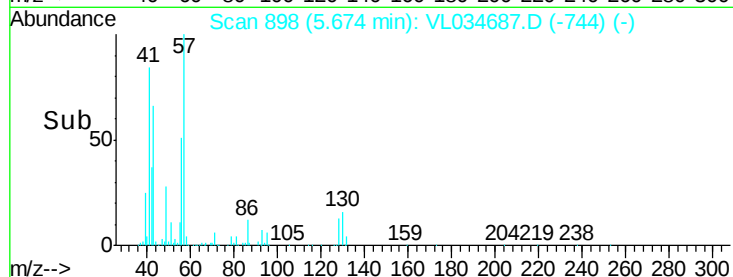
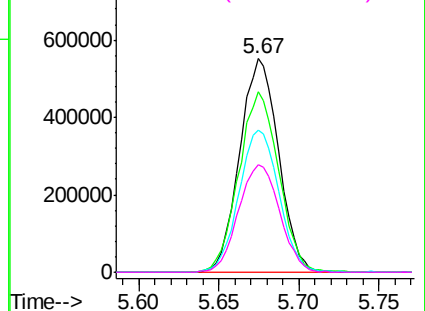
#26
Hexane
Concen: 9.091 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tot Ion:	57	Resp:	911325
Ion	Ratio	Lower	Upper
57	100		
41	87.1	70.3	105.5
43	68.7	177.0	265.4#
56	53.6	42.6	64.0

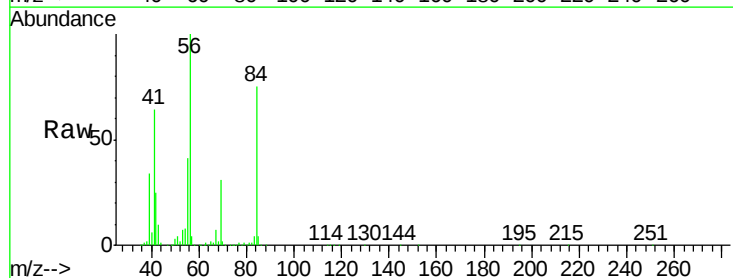


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

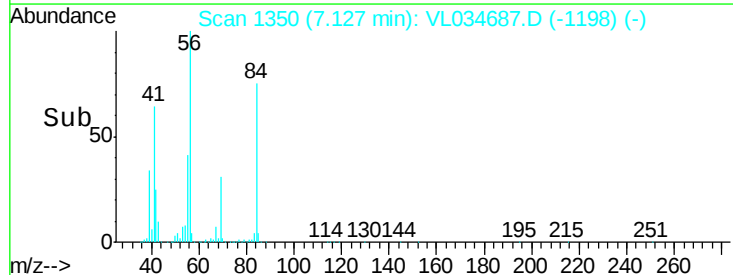
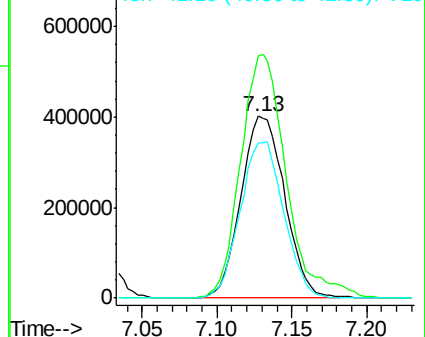


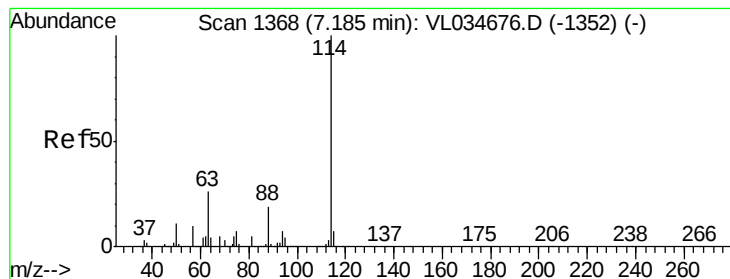
#30
Cyclohexane
Concen: 10.553 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion:	84	Resp:	819849
Ion	Ratio	Lower	Upper
84	100		
56	139.8	113.4	170.2
41	85.8	68.2	102.4



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VL034687.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_L

ClientSampleId :

E051-1100DL

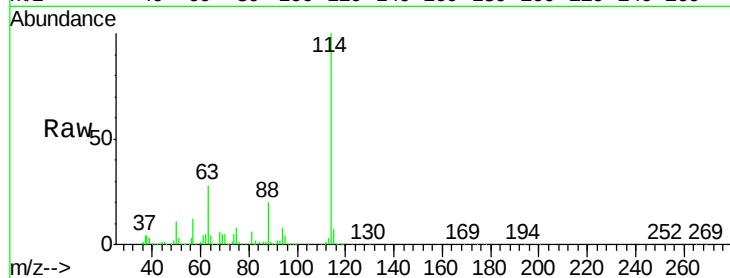
Tot Ion:114 Resp: 2293107

Ion Ratio Lower Upper

114 100

63 28.6 22.9 34.3

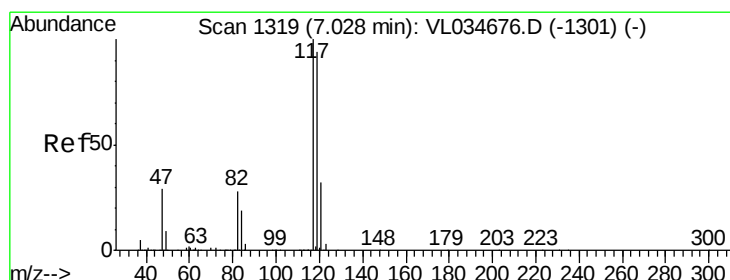
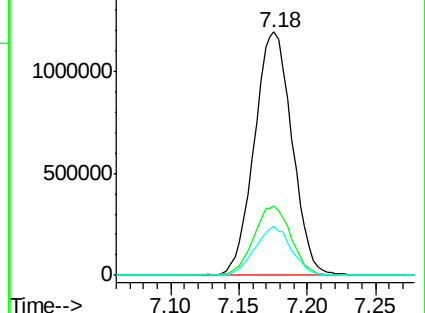
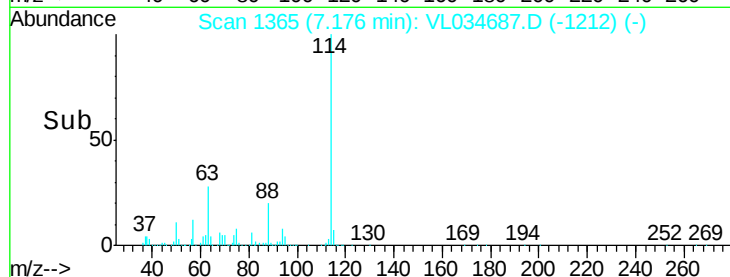
88 19.5 15.8 23.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#35

Carbon Tetrachloride

Concen: 7.882 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL034687.D

Acq: 26 Feb 2020 10:49

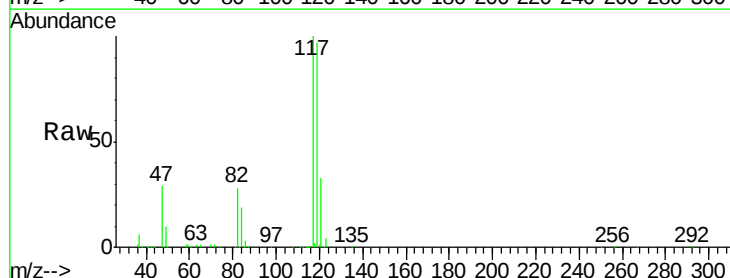
Tgt Ion:117 Resp: 1210420

Ion Ratio Lower Upper

117 100

119 97.2 75.5 113.3

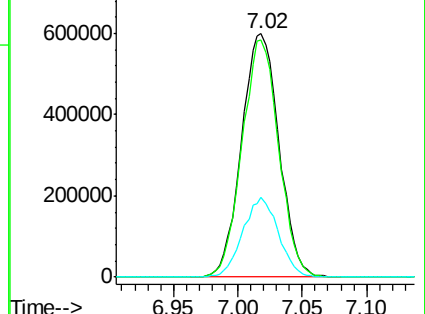
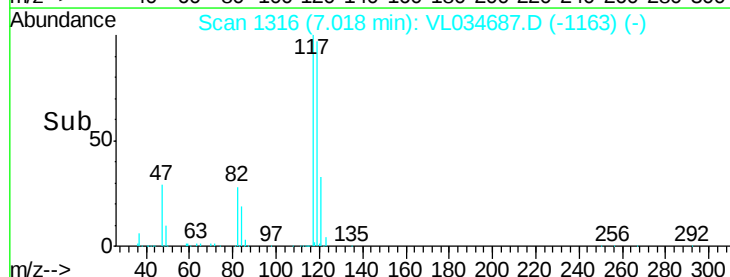
121 32.6 25.4 38.0

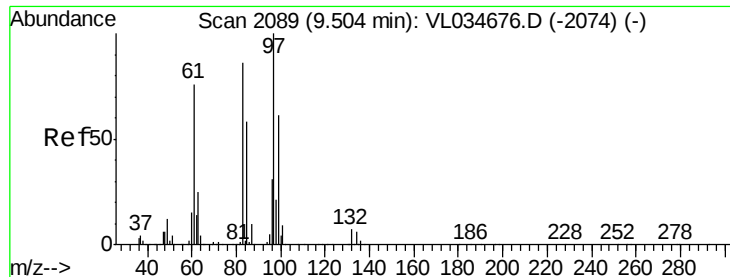


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#47

1,1,2-Trichloroethane

Concen: 9.516 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.02 min

Lab File: VL034687.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_L

ClientSampleId :

E051-1100DL

Tot Ion: 97 Resp: 769235

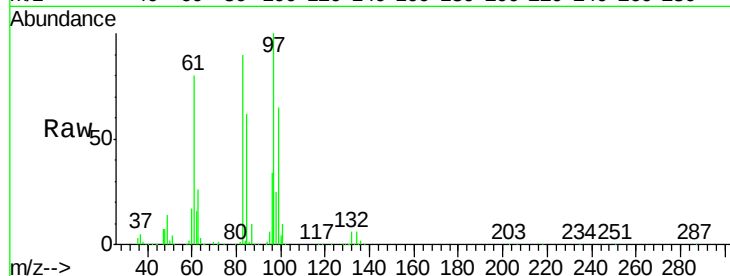
Ion Ratio Lower Upper

97 100

83 89.7 69.4 104.0

85 62.0 46.4 69.6

99 64.6 48.4 72.6

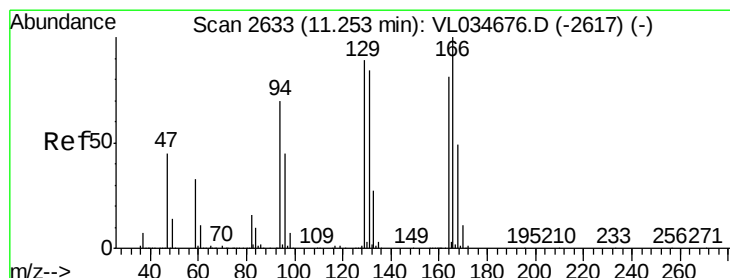
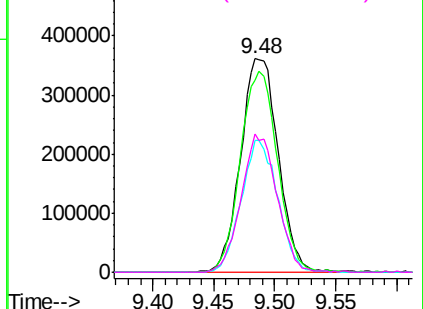
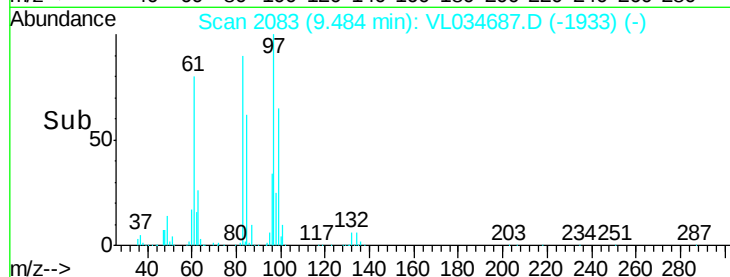


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#52

Tetrachloroethene

Concen: 8.889 ppbv

RT: 11.24 min Scan# 2630

Delta R.T. -0.01 min

Lab File: VL034687.D

Acq: 26 Feb 2020 10:49

Tgt Ion: 164 Resp: 645301

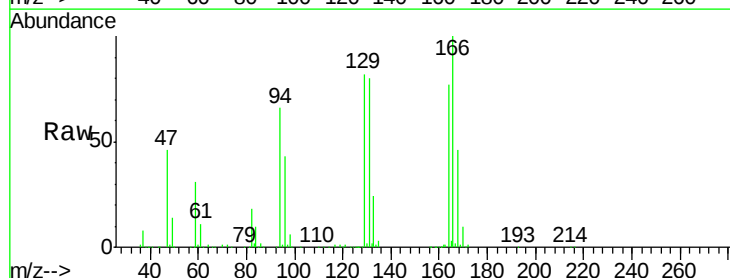
Ion Ratio Lower Upper

164 100

166 130.0 99.2 148.8

129 106.1 88.0 132.0

131 103.8 83.7 125.5

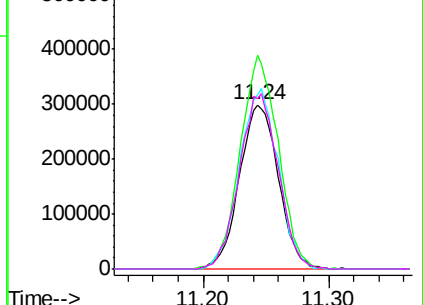
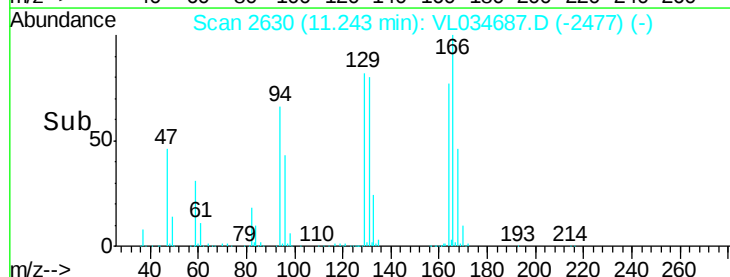


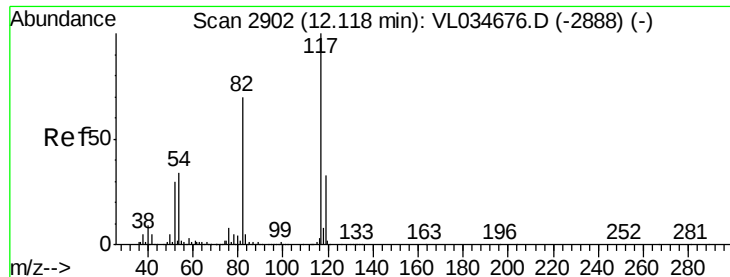
Abundance Ion 163.90 (163.60 to 164.60): V

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

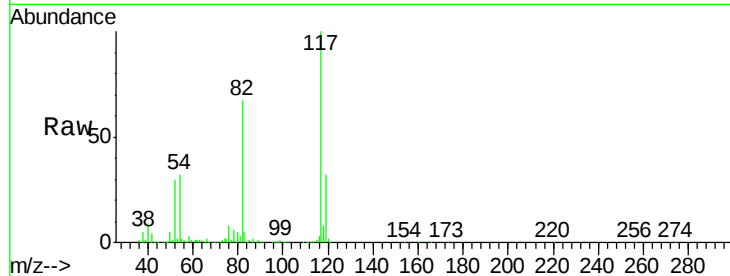




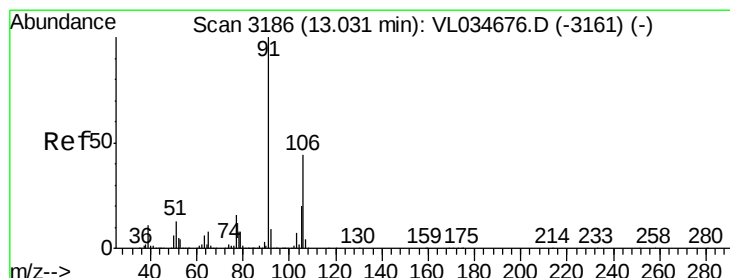
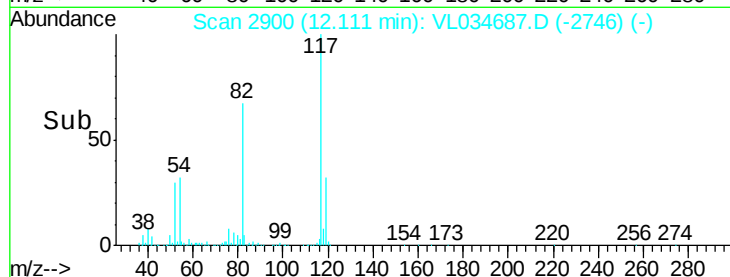
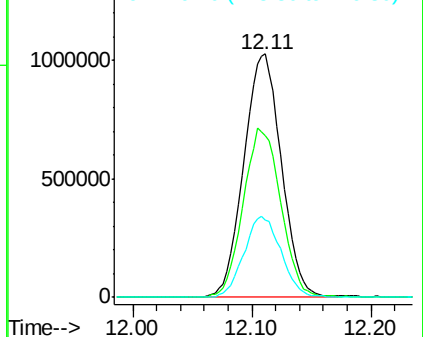
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tot Ion:117 Resp: 2243058
Ion Ratio Lower Upper
117 100
82 70.2 54.1 81.1
119 33.0 27.6 41.4

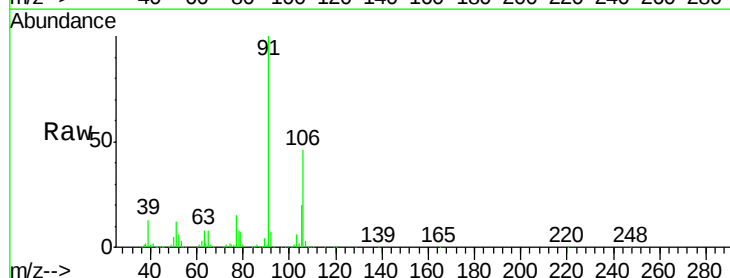


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

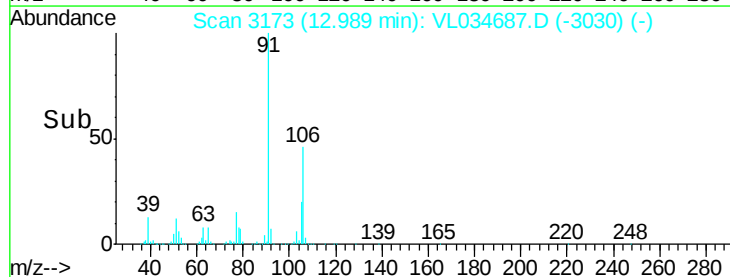
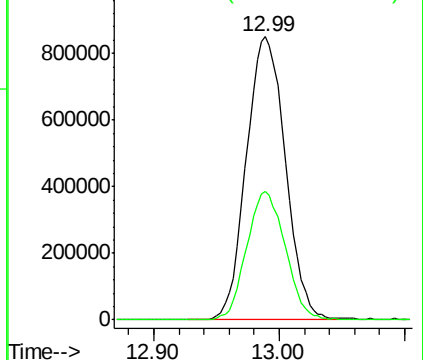


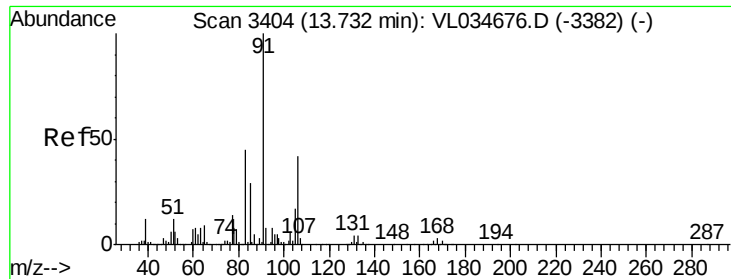
#59
m/p-Xylene
Concen: 7.793 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.04 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 91 Resp: 1844543
Ion Ratio Lower Upper
91 100
106 45.2 35.6 53.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

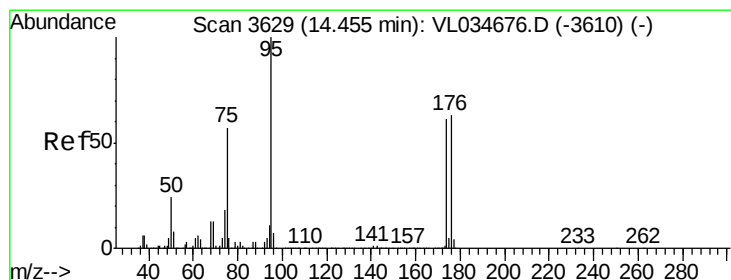
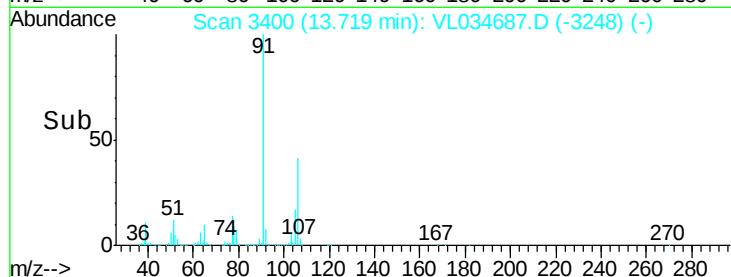
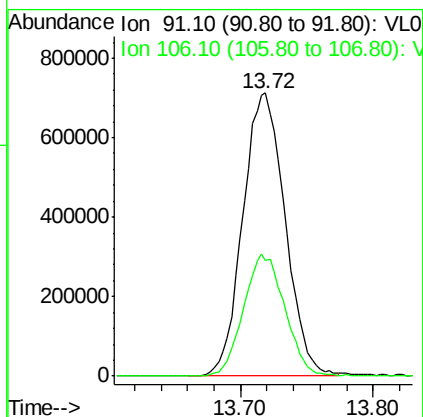
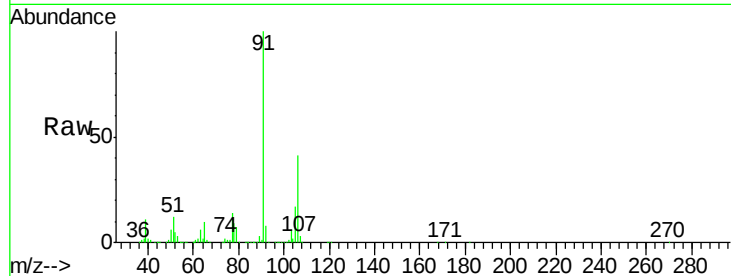




#60
o-Xylene
Concen: 6.706 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

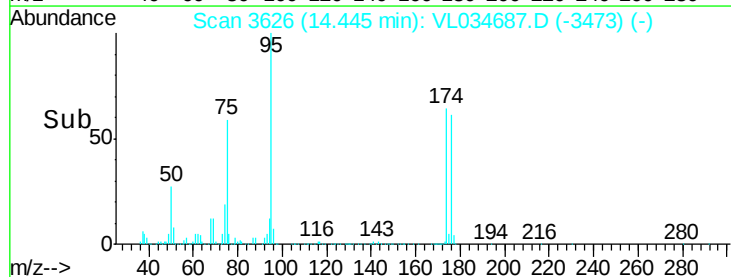
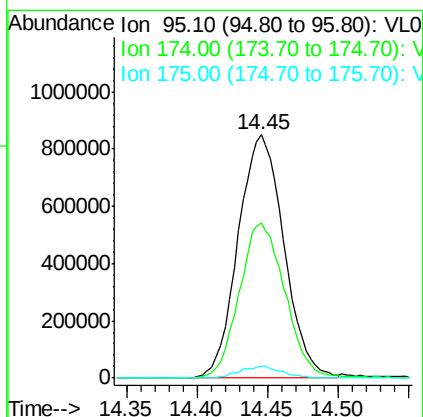
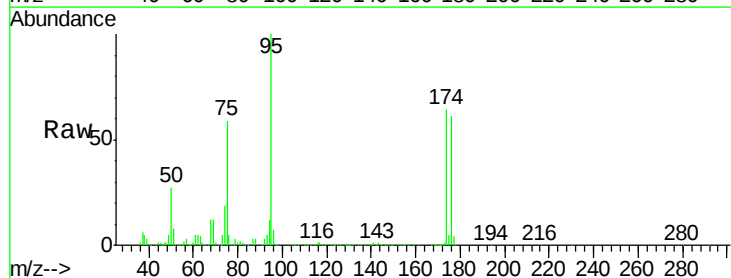
Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

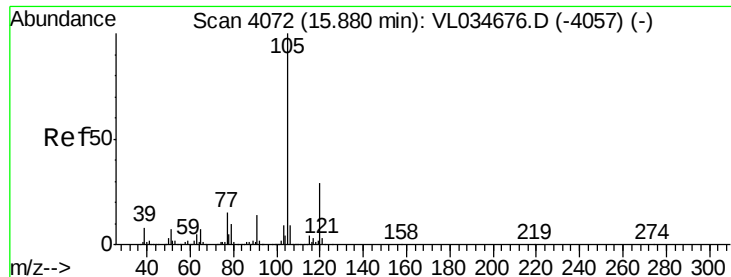
Tot Ion: 91 Resp: 1575028
Ion Ratio Lower Upper
91 100
106 42.4 21.9 65.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.473 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 95 Resp: 1926272
Ion Ratio Lower Upper
95 100
174 64.4 50.7 76.1
175 4.6 3.9 5.9





#72

4-Ethyltoluene

Concen: 8.661 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.01 min

Lab File: VL034687.D

Acq: 26 Feb 2020 10:49

Instrument :

MSVOA_L

ClientSampleId :

E051-1100DL

Tot Ion:105 Resp: 2264235

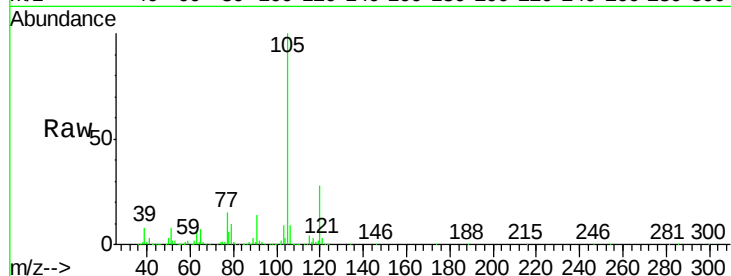
Ion Ratio Lower Upper

105 100

120 29.2 23.7 35.5

91 13.6 10.9 16.3

77 15.3 12.2 18.2

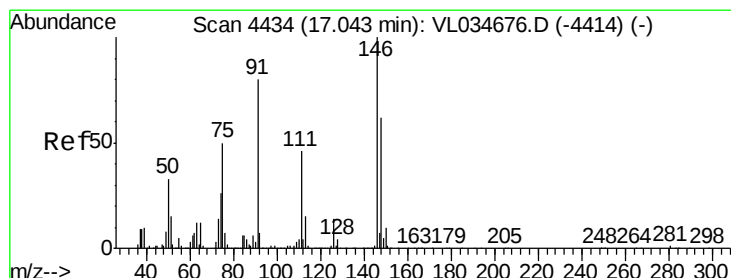
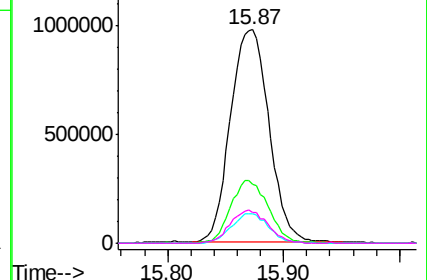
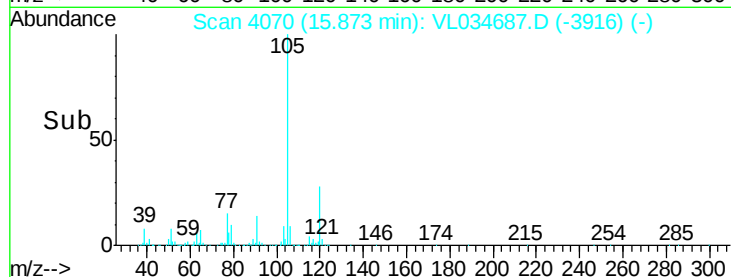


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 6.166 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. -0.01 min

Lab File: VL034687.D

Acq: 26 Feb 2020 10:49

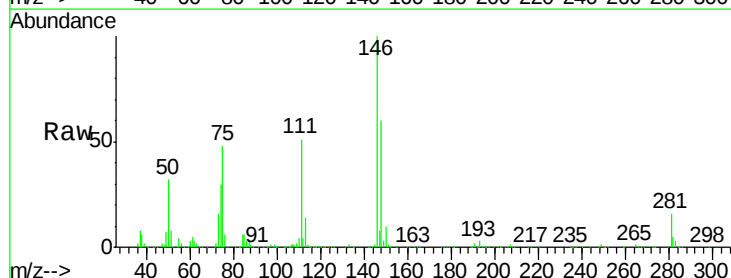
Tgt Ion:146 Resp: 988544

Ion Ratio Lower Upper

146 100

111 49.0 24.4 73.2

148 64.0 32.5 97.4



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

