

Data File : VL032814.D
Acq On : 27 Nov 2018 19:31
Operator : SY/AP
Sample : J6046-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EP2-OA-01DL

Quant Time: Nov 28 03:15:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1258556	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3195409	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2962066	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2161776	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

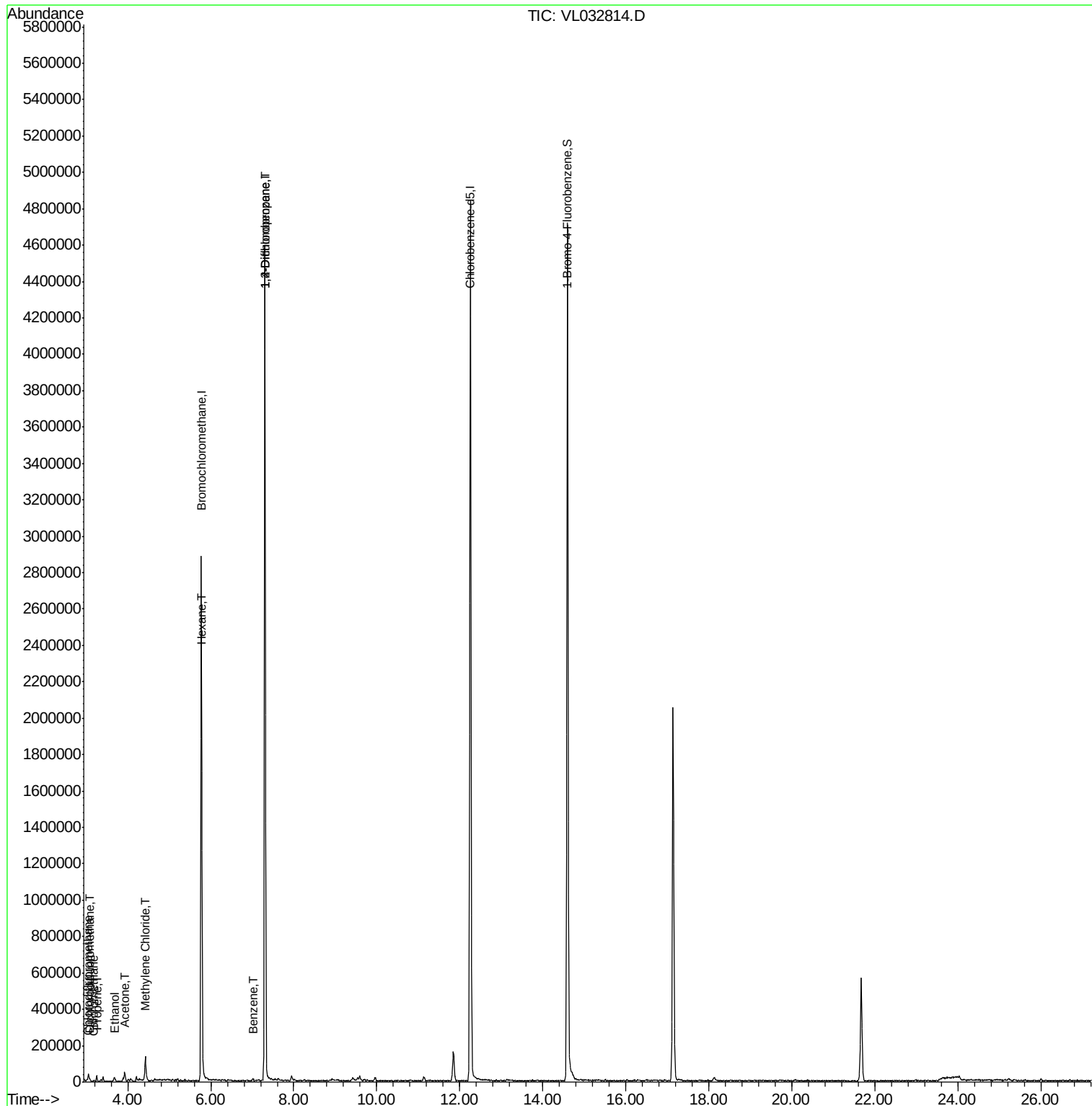
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	11264	0.062	ppbv	96
3) Chlorodifluoromethane	3.02	51	7828	0.078	ppbv	96
4) Chloromethane	3.18	50	2977	0.054	ppbv	98
9) Propene	3.25	41	8519	0.213	ppbv	96
13) Ethanol	3.67	45	8503	0.650	ppbv #	39
15) Acetone	3.92	43	45613	0.397	ppbv	98
20) Methylene Chloride	4.43	84	40825	0.686	ppbv #	84
26) Hexane	5.79	57	17374	0.146	ppbv #	45
36) Benzene	7.02	78	7811	0.031	ppbv #	88
39) 1,2-Dichloropropane	7.30	63	794892	8.199	ppbv #	23

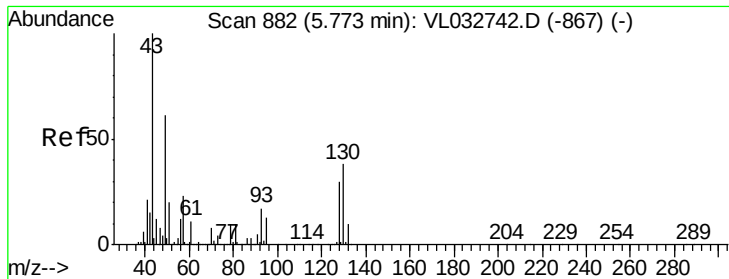
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL032814.D

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EP2-OA-01DL

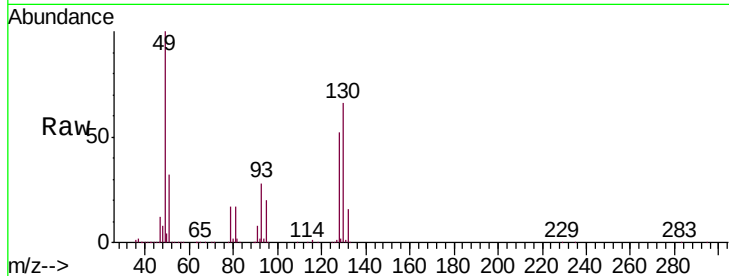
Tgt Ion: 49 Resp: 1258556

Ion Ratio Lower Upper

49 100

128 52.2 24.9 74.6

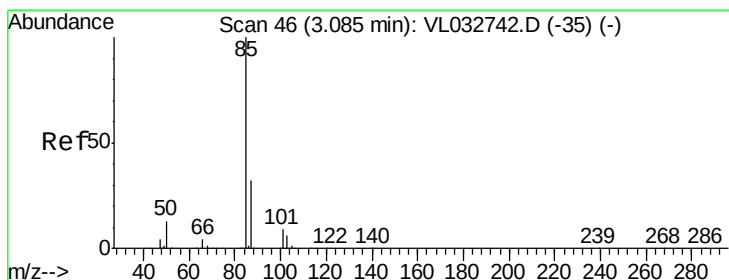
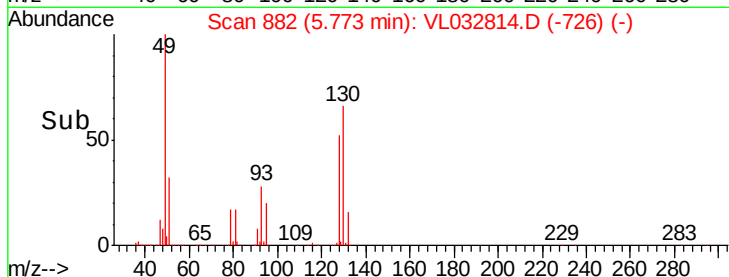
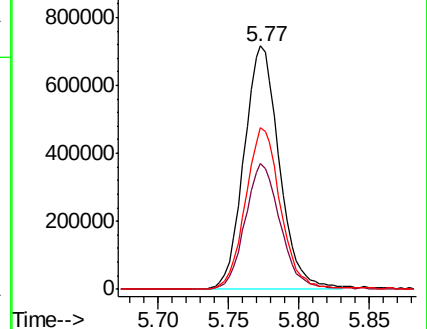
130 66.7 31.4 94.2



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



#2

Dichlorodifluoromethane

Concen: 0.062 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032814.D

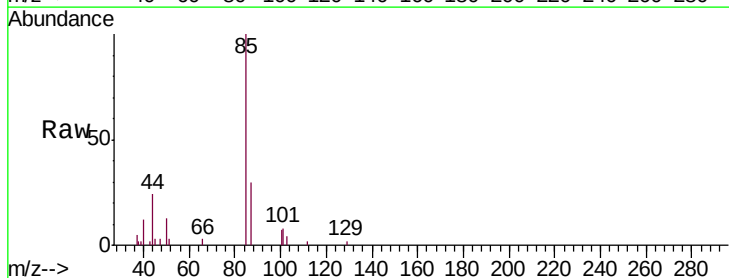
Acq: 27 Nov 2018 19:31

Tgt Ion: 85 Resp: 11264

Ion Ratio Lower Upper

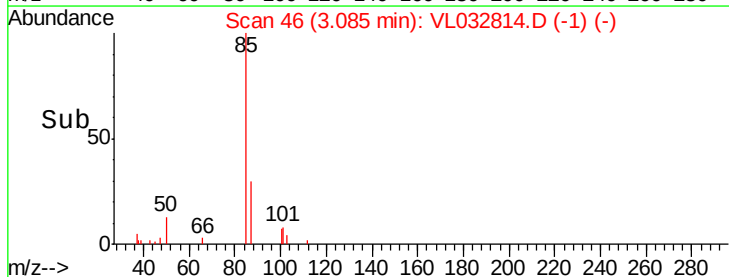
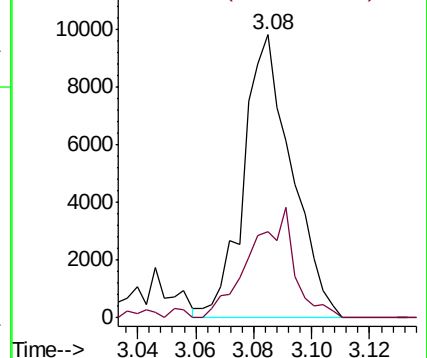
85 100

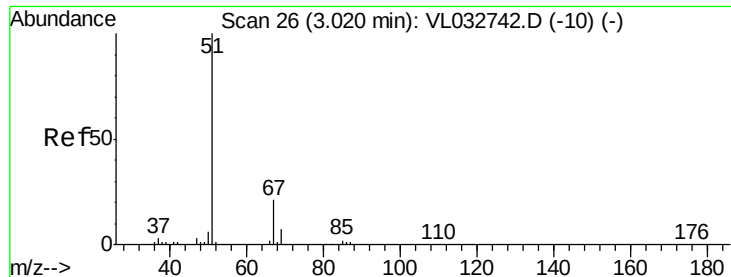
87 30.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

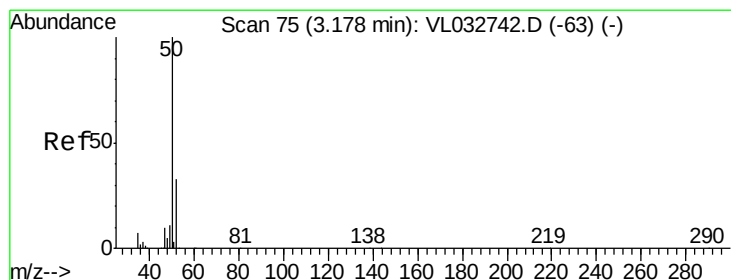
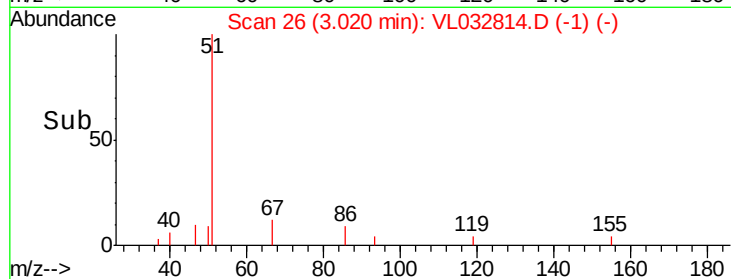
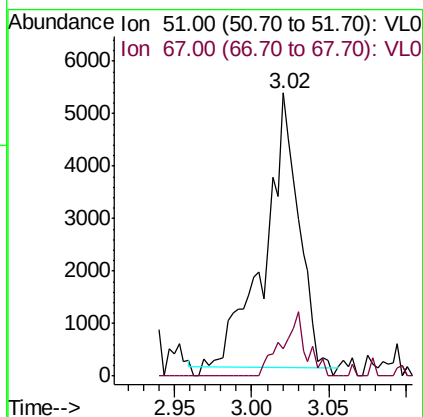
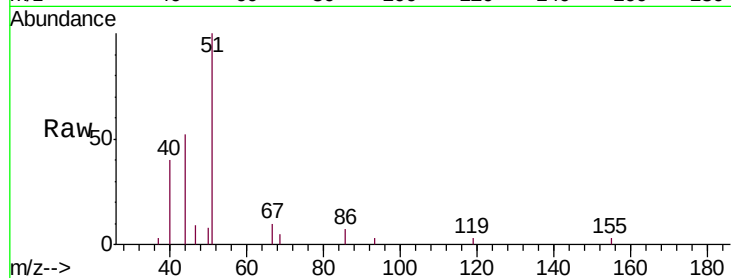




#3
 Chlorodifluoromethane
 Concen: 0.078 ppbv
 RT: 3.02 min Scan# 26
 Delta R.T. 0.00 min
 Lab File: VL032814.D
 Acq: 27 Nov 2018 19:31

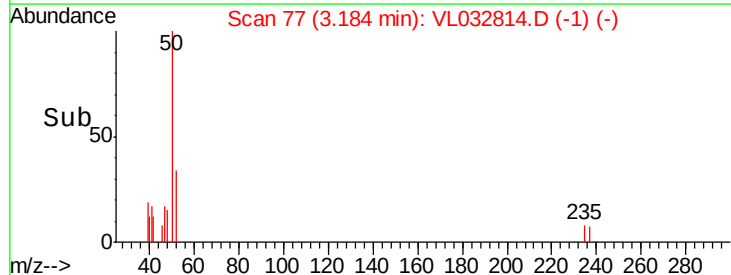
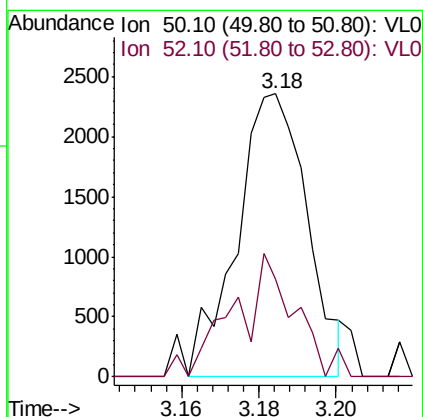
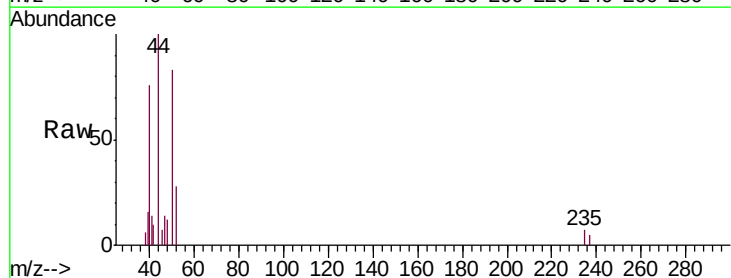
Instrument :
 MSVOA_L
 ClientSampleId :
 EP2-OA-01DL

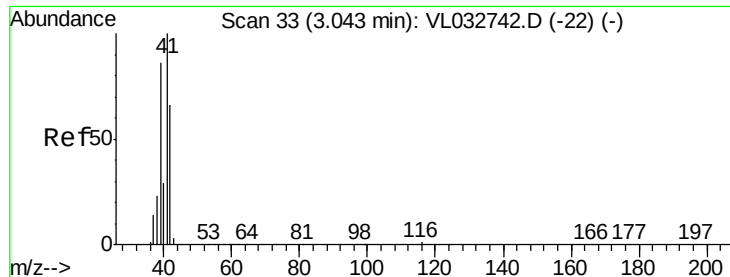
Tgt Ion: 51 Resp: 7828
 Ion Ratio Lower Upper
 51 100
 67 18.4 16.1 24.1



#4
 Chloromethane
 Concen: 0.054 ppbv
 RT: 3.18 min Scan# 77
 Delta R.T. 0.01 min
 Lab File: VL032814.D
 Acq: 27 Nov 2018 19:31

Tgt Ion: 50 Resp: 2977
 Ion Ratio Lower Upper
 50 100
 52 34.4 26.6 40.0





#9

Propene

Concen: 0.213 ppbv

RT: 3.25 min Scan# 98

Delta R.T. 0.21 min

Lab File: VL032814.D

Acq: 27 Nov 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

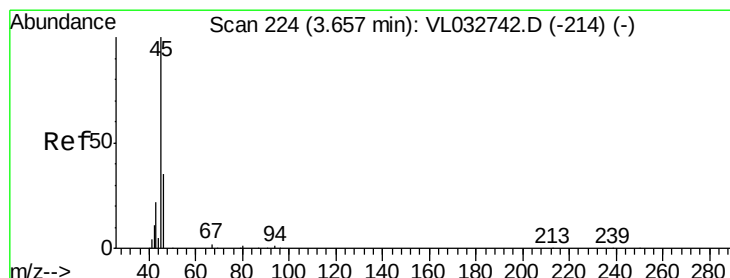
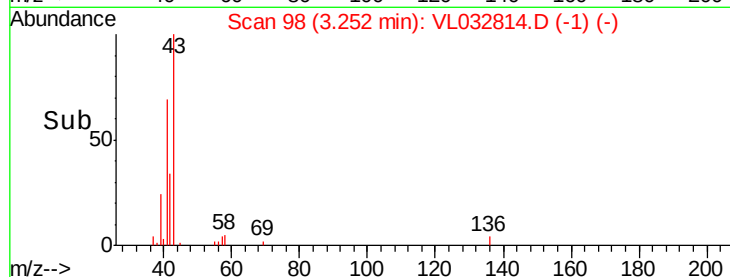
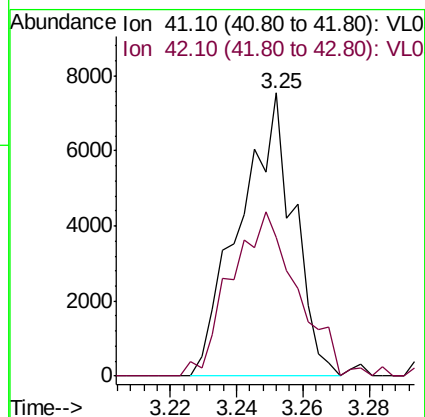
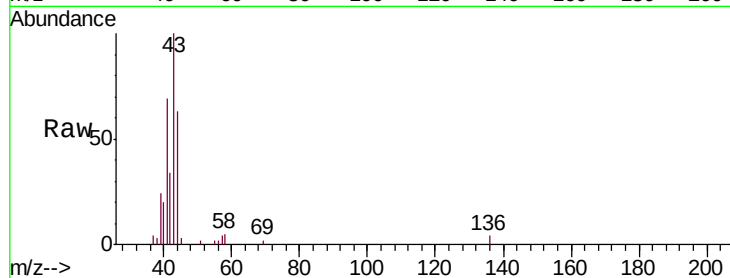
EP2-OA-01DL

Tgt Ion: 41 Resp: 8519

Ion Ratio Lower Upper

41 100

42 72.0 55.0 82.6



#13

Ethanol

Concen: 0.650 ppbv

RT: 3.67 min Scan# 228

Delta R.T. 0.01 min

Lab File: VL032814.D

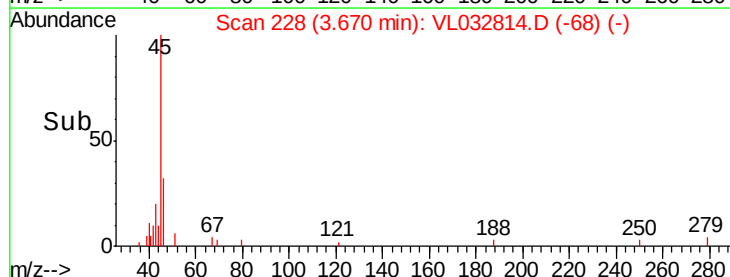
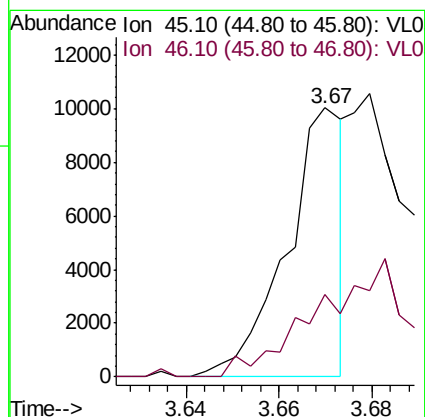
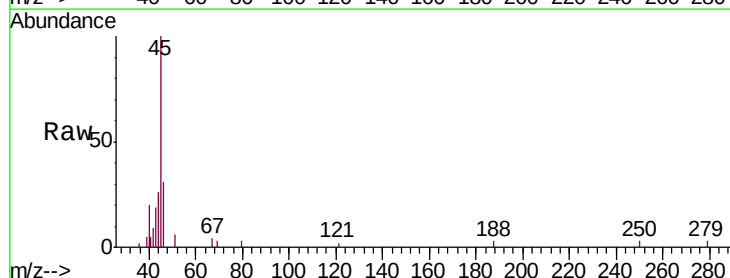
Acq: 27 Nov 2018 19:31

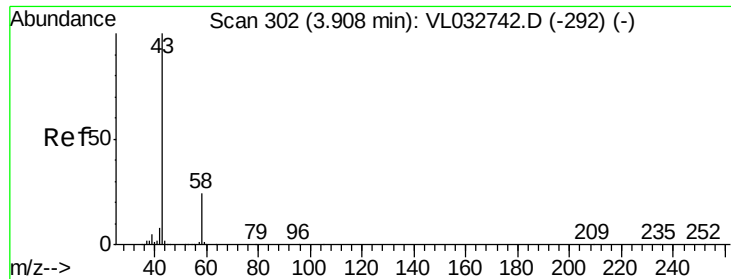
Tgt Ion: 45 Resp: 8503

Ion Ratio Lower Upper

45 100

46 0.0 14.5 57.9#





#15

Acetone

Concen: 0.397 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.01 min

Lab File: VL032814.D

Acq: 27 Nov 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

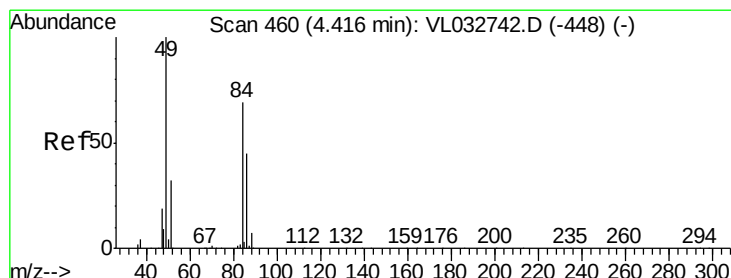
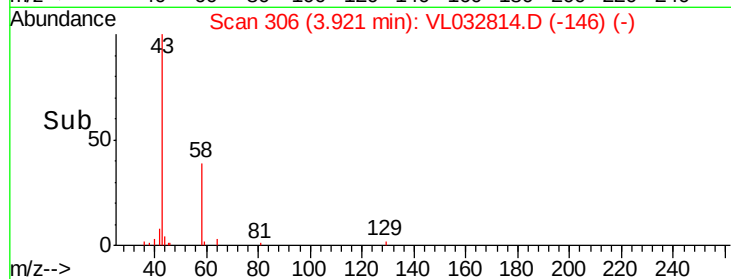
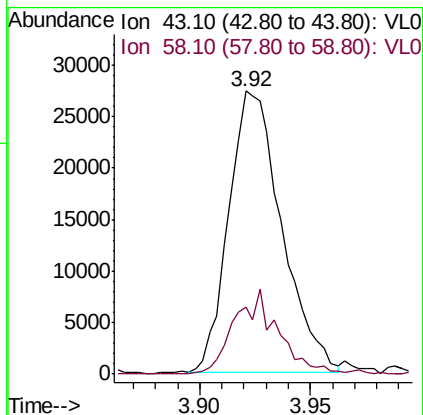
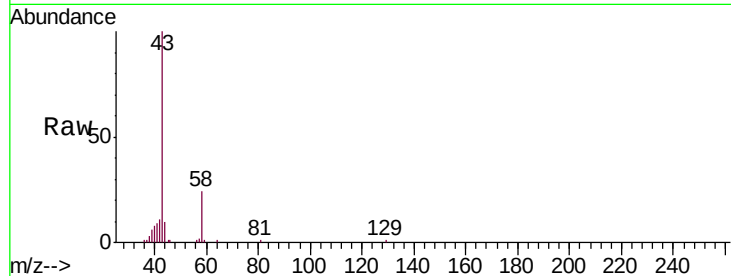
EP2-OA-01DL

Tgt Ion: 43 Resp: 45613

Ion Ratio Lower Upper

43 100

58 25.5 21.1 31.7



#20

Methylene Chloride

Concen: 0.686 ppbv

RT: 4.43 min Scan# 463

Delta R.T. 0.01 min

Lab File: VL032814.D

Acq: 27 Nov 2018 19:31

Tgt Ion: 84 Resp: 40825

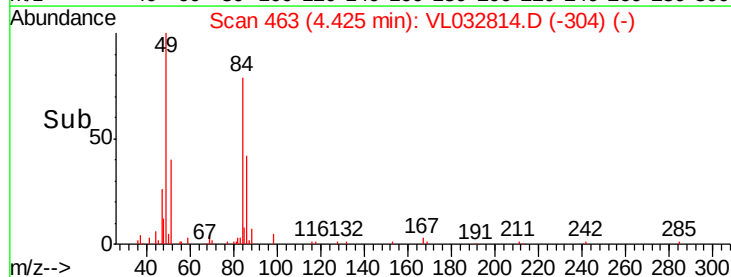
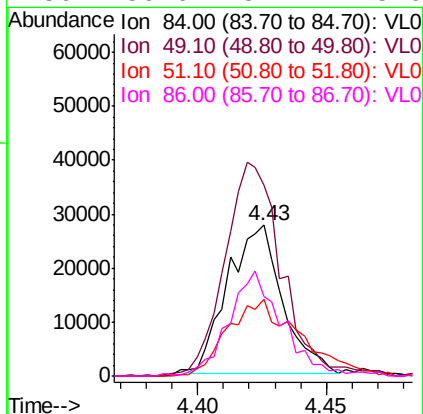
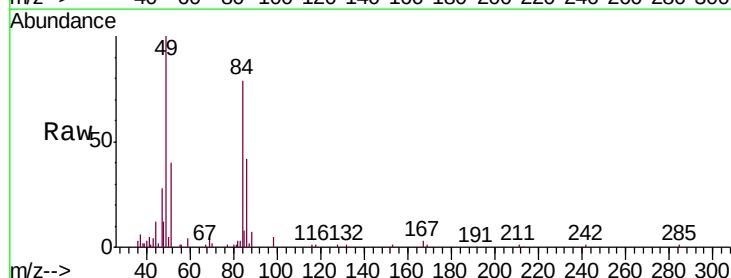
Ion Ratio Lower Upper

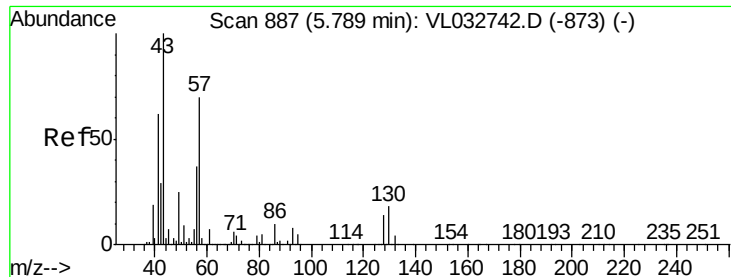
84 100

49 124.0 115.8 173.6

51 51.3 36.9 55.3

86 50.6 52.4 78.6#





#26

Hexane

Concen: 0.146 ppbv

RT: 5.79 min Scan# 888

Delta R.T. 0.00 min

Lab File: VL032814.D

Acq: 27 Nov 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

EP2-OA-01DL

Tgt Ion: 57 Resp: 17374

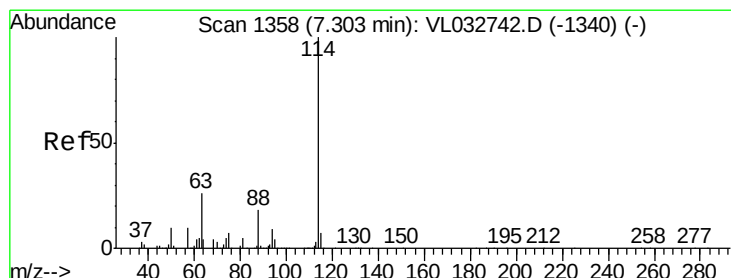
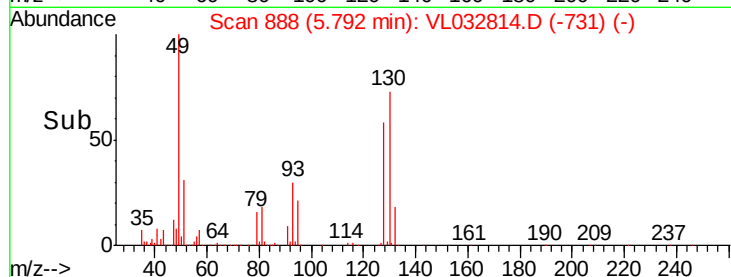
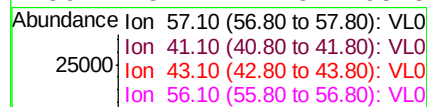
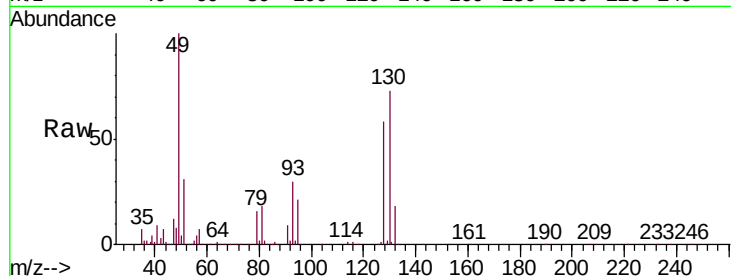
Ion Ratio Lower Upper

57 100

41 142.6 70.3 105.5#

43 124.6 174.0 261.0#

56 78.7 42.3 63.5#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VL032814.D

Acq: 27 Nov 2018 19:31

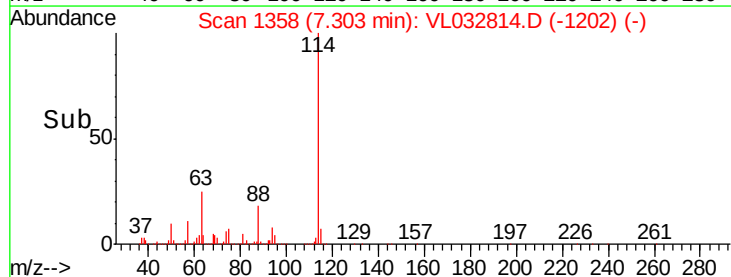
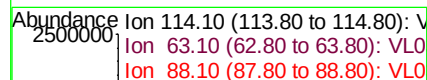
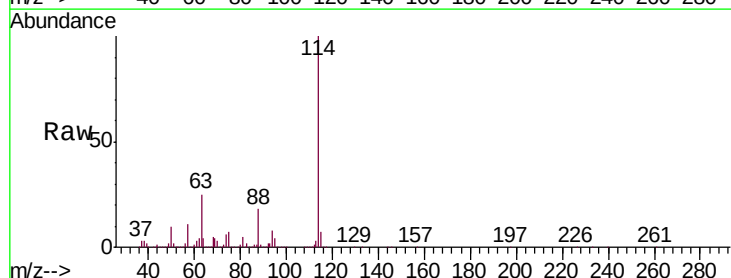
Tgt Ion: 114 Resp: 3195409

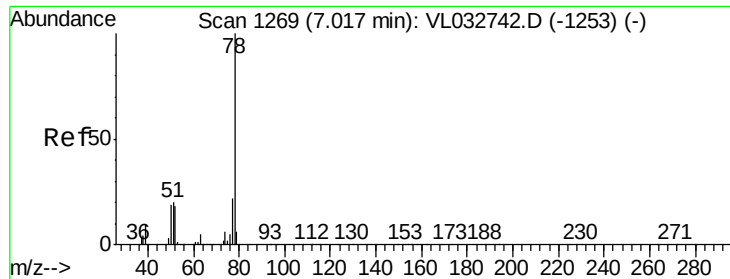
Ion Ratio Lower Upper

114 100

63 25.1 20.9 31.3

88 17.6 14.4 21.6





#36

Benzene

Concen: 0.031 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032814.D

Acq: 27 Nov 2018 19:31

Instrument :

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ClientSampleId :

EP2-OA-01DL

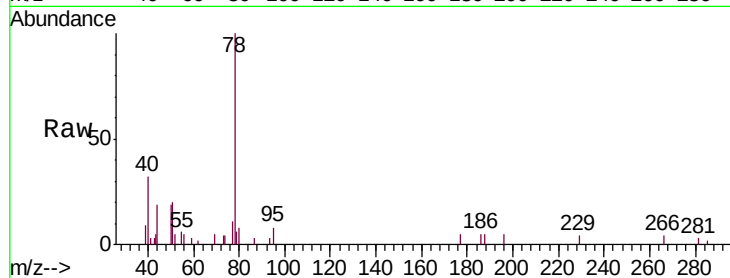
Tgt Ion: 78 Resp: 7811

Ion Ratio Lower Upper

78 100

77 11.3 17.8 26.8#

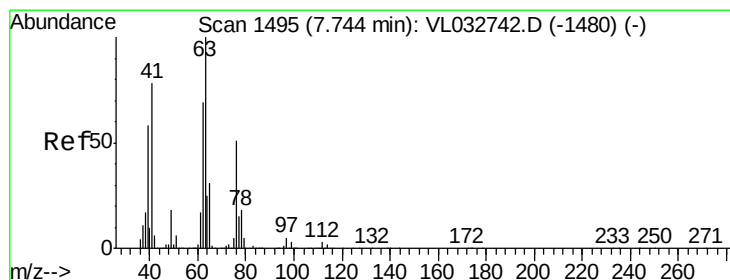
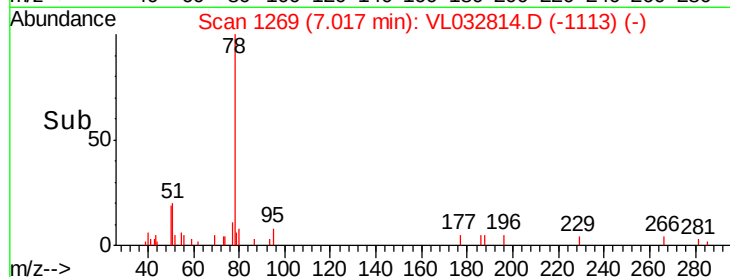
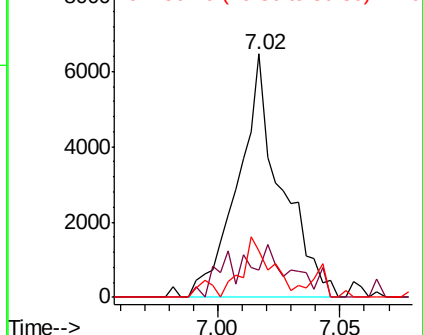
50 19.4 15.4 23.0



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 8.199 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.44 min

Lab File: VL032814.D

Acq: 27 Nov 2018 19:31

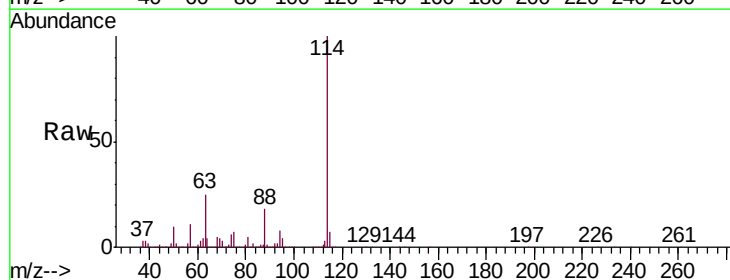
Tgt Ion: 63 Resp: 794892

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

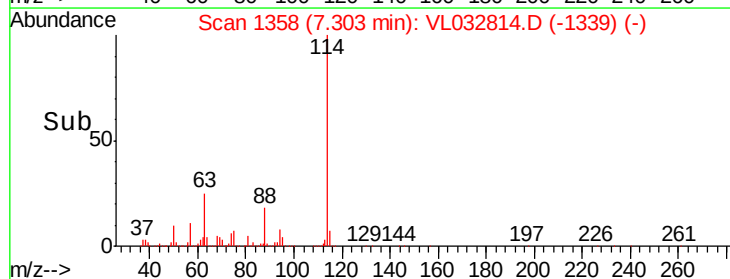
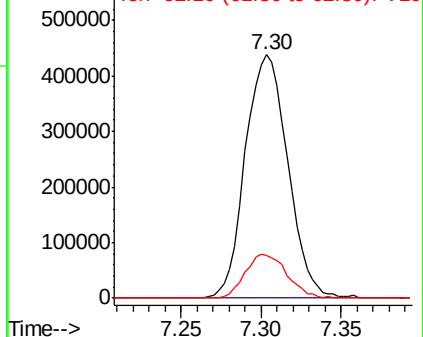
62 17.8 55.4 83.2#

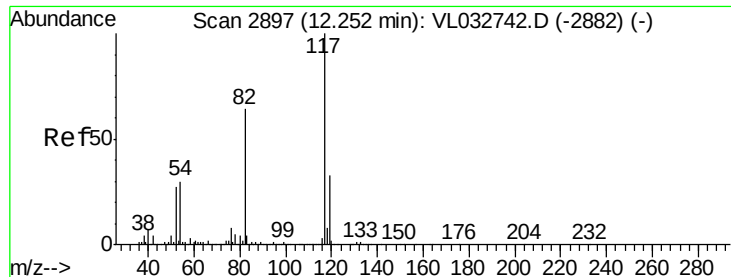


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VL032814.D

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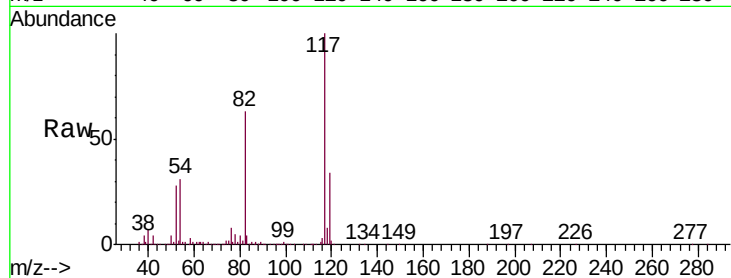
Tgt Ion: 117 Resp: 2962066

Ion Ratio Lower Upper

117 100

82 64.1 51.0 76.6

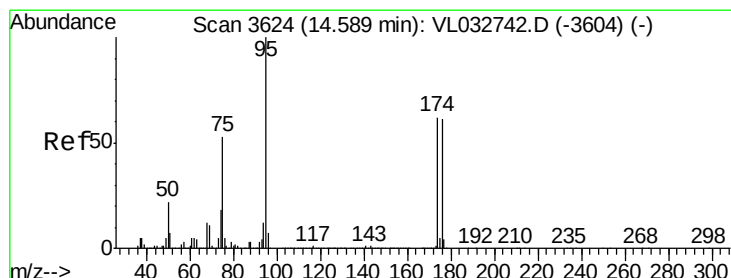
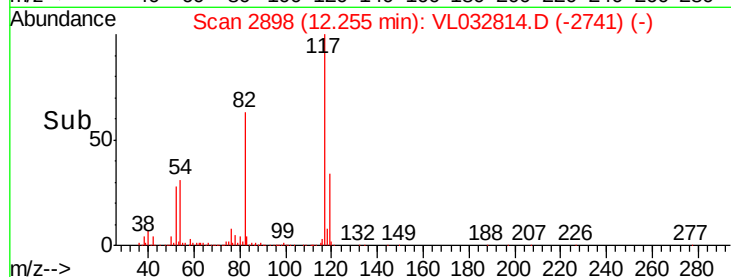
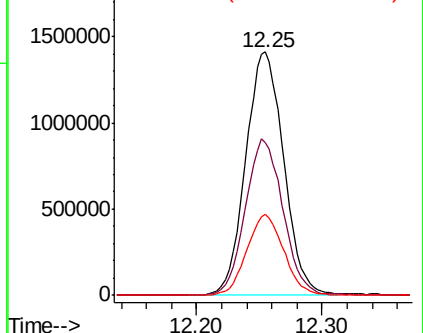
119 32.4 28.0 42.0



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: 9.758 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL032814.D

Acq: 27 Nov 2018 19:31

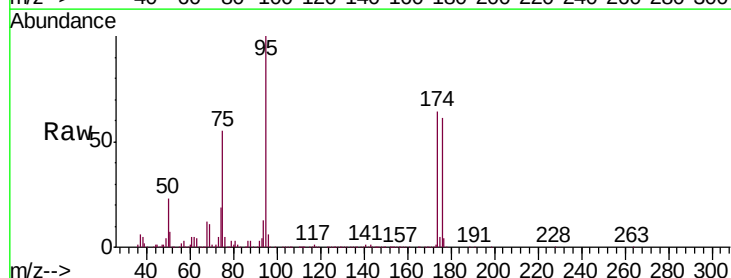
Tgt Ion: 95 Resp: 2161776

Ion Ratio Lower Upper

95 100

174 66.9 50.7 76.1

175 5.1 3.8 5.6



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

