

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035220.D
 Acq On : 21 Jul 2020 22:59
 Operator : SY/AP
 Sample : L3290-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OUTDOOR-AMBIENTDL

Quant Time: Jul 22 00:50:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1072655	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2562277	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2372860	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1942611	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

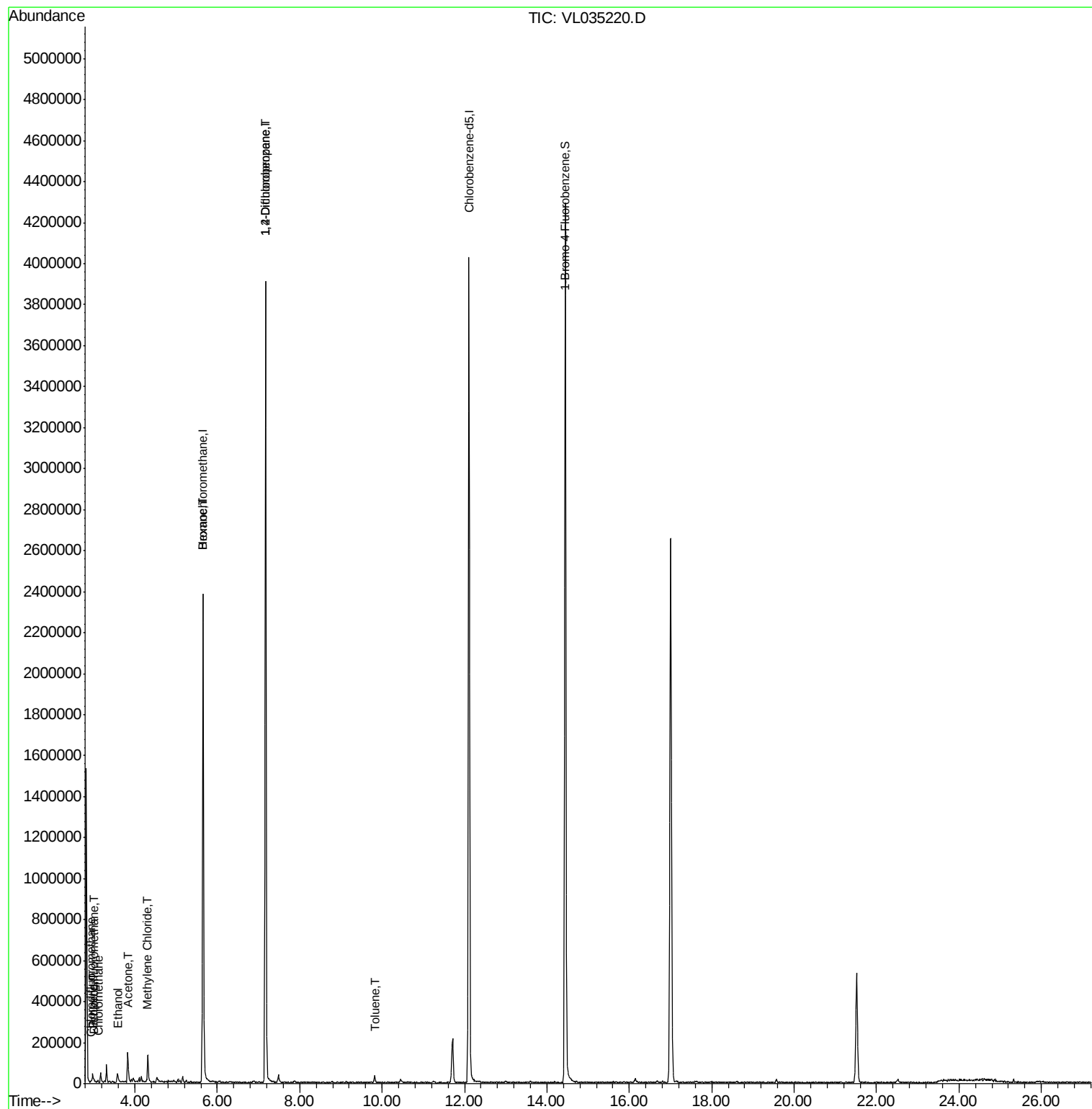
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	8756	0.058 ppbv #	80
3) Chlorodifluoromethane	2.93	51	5543	0.047 ppbv #	87
4) Chloromethane	3.10	50	2349	0.035 ppbv #	59
9) Propene	2.98	41	10066	0.225 ppbv	93
13) Ethanol	3.58	45	42242	2.963 ppbv	96
15) Acetone	3.83	43	135728	0.935 ppbv	93
20) Methylene Chloride	4.31	84	43966	0.696 ppbv #	91
26) Hexane	5.66	57	4916	0.049 ppbv #	1
39) 1,2-Dichloropropane	7.17	63	702579	9.527 ppbv #	23
53) Toluene	9.82	91	21653	0.111 ppbv	95

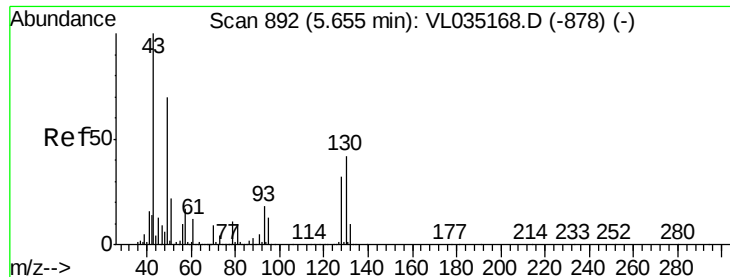
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Instrument :

MSVOA_L

ClientSampleId :

OUTDOOR-AMBIENTDL

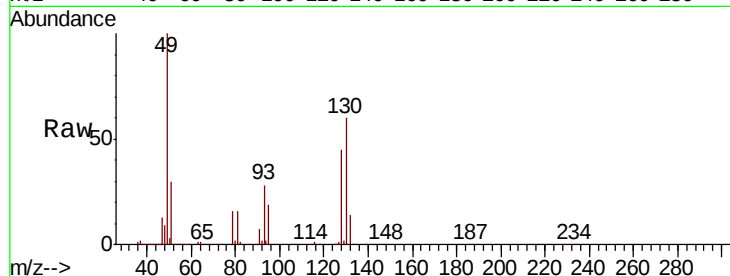
Tot Ion: 49 Resp: 1072655

Ion Ratio Lower Upper

49 100

128 48.6 23.8 71.4

130 63.0 29.9 89.8



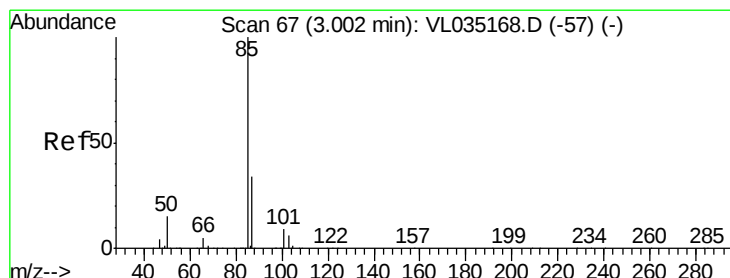
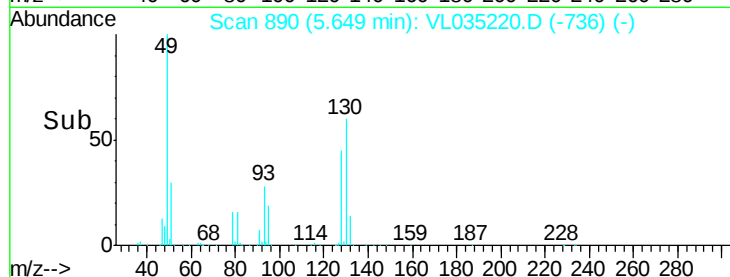
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

Time-->



#2

Dichlorodifluoromethane

Concen: 0.058 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035220.D

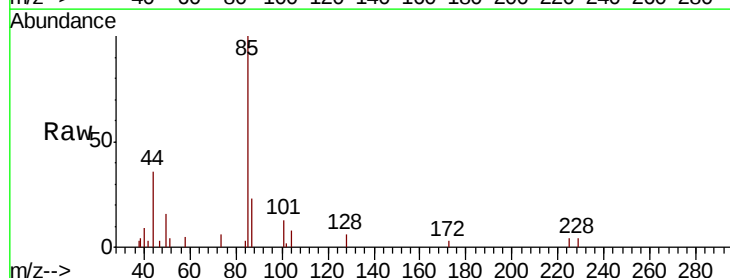
Acq: 21 Jul 2020 22:59

Tgt Ion: 85 Resp: 8756

Ion Ratio Lower Upper

85 100

87 22.5 27.0 40.6#

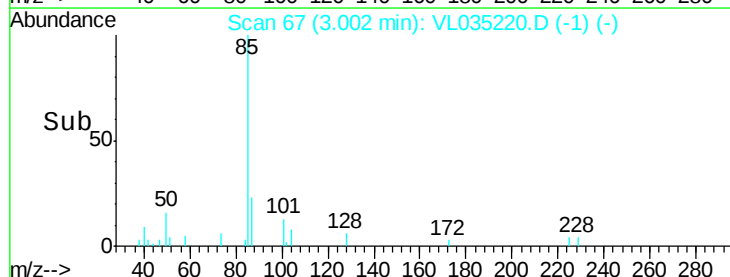


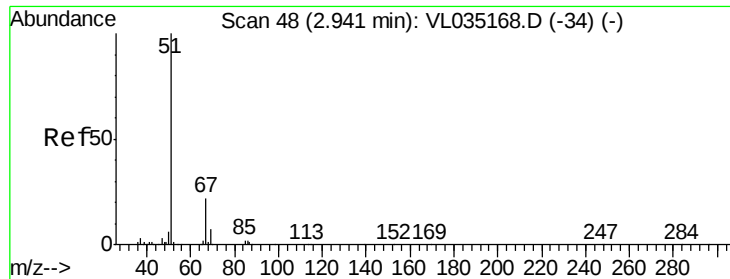
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.00

Time-->

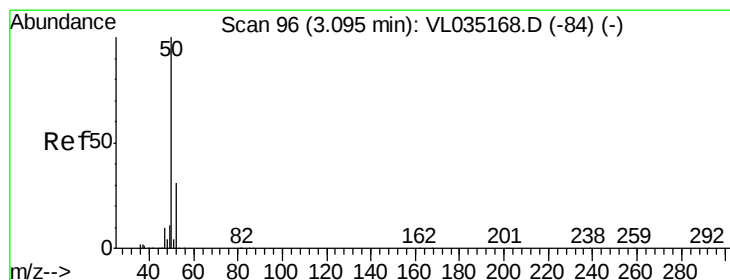
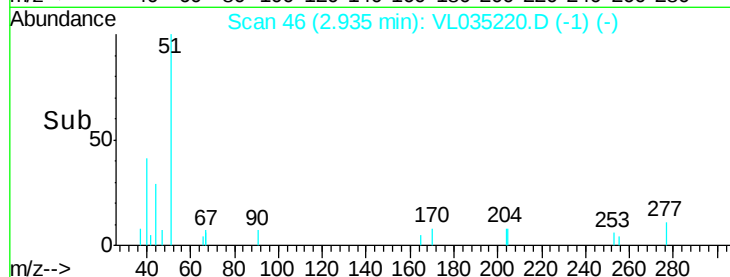
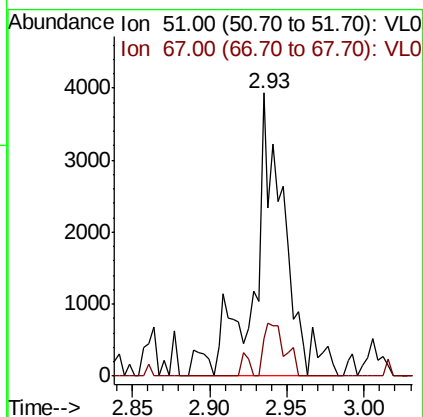
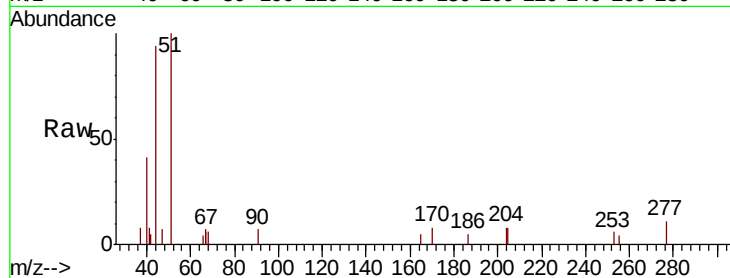




#3
Chlorodifluoromethane
Concen: 0.047 ppbv
RT: 2.93 min Scan# 46
Delta R.T. -0.01 min
Lab File: VL035220.D
Acq: 21 Jul 2020 22:59

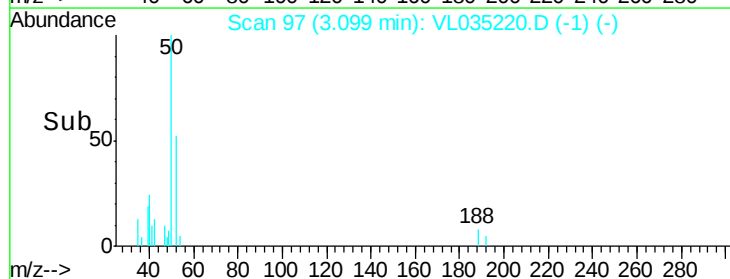
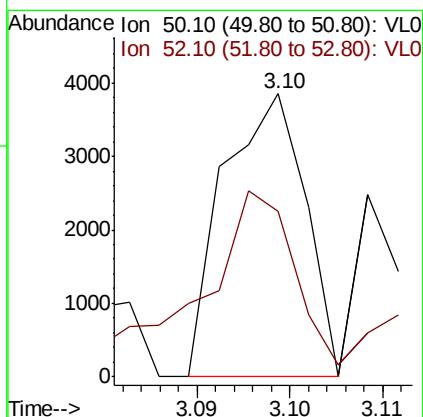
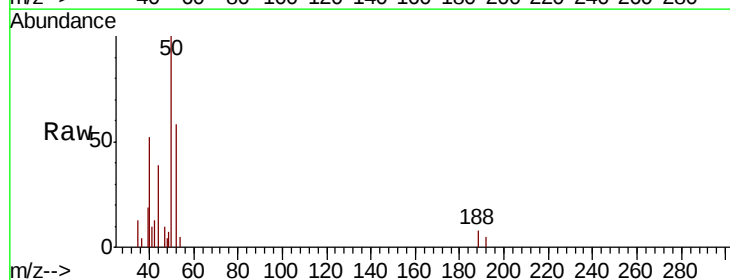
Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-AMBIENTDL

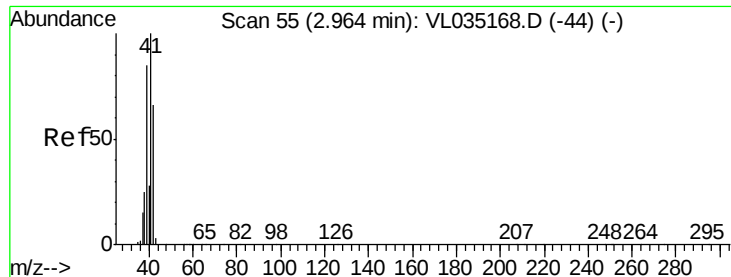
Tot Ion: 51 Resp: 5543
Ion Ratio Lower Upper
51 100
67 14.7 16.6 24.8#



#4
Chloromethane
Concen: 0.035 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL035220.D
Acq: 21 Jul 2020 22:59

Tgt Ion: 50 Resp: 2349
Ion Ratio Lower Upper
50 100
52 54.0 25.0 37.6#





#9

Propene

Concen: 0.225 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Instrument :

MSVOA_L

ClientSampleId :

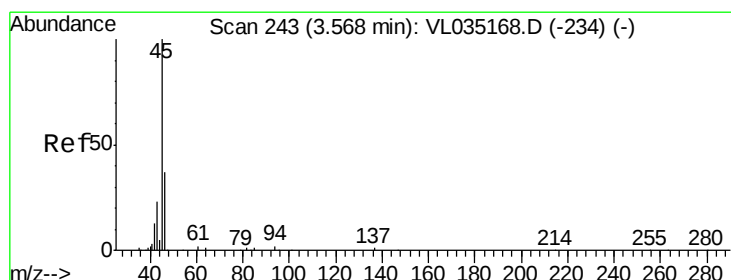
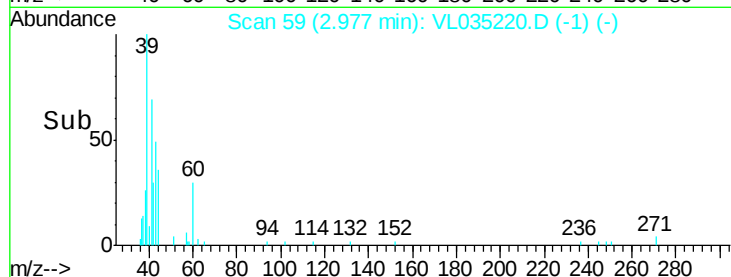
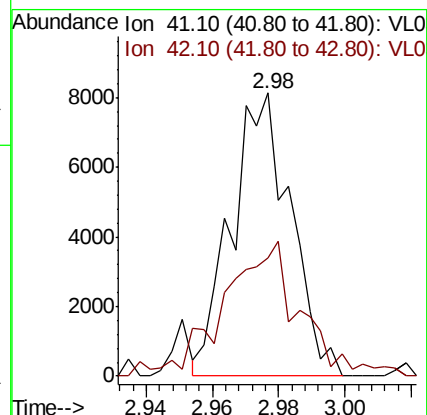
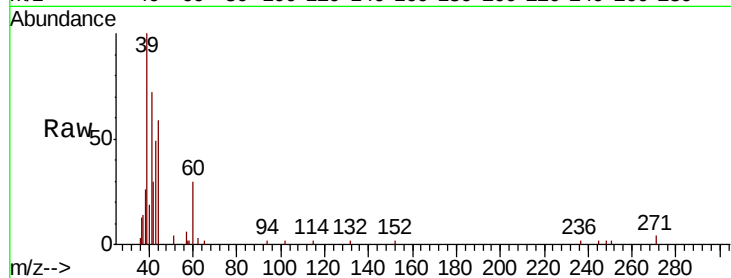
OUTDOOR-AMBIENTDL

Tot Ion: 41 Resp: 10066

Ion Ratio Lower Upper

41 100

42 62.3 54.6 81.8



#13

Ethanol

Concen: 2.963 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.01 min

Lab File: VL035220.D

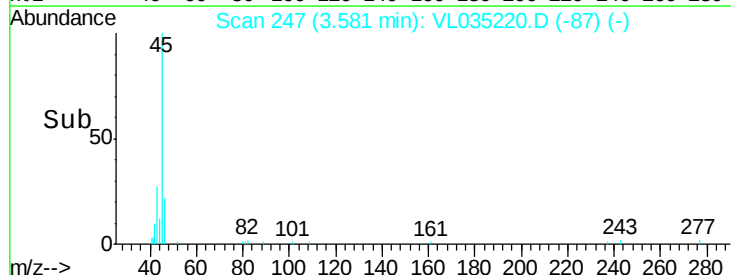
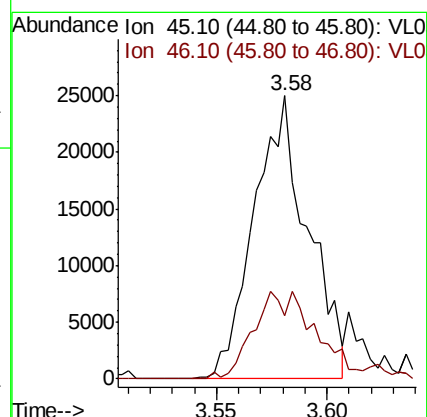
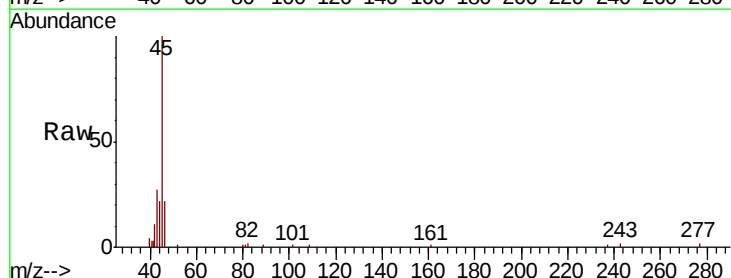
Acq: 21 Jul 2020 22:59

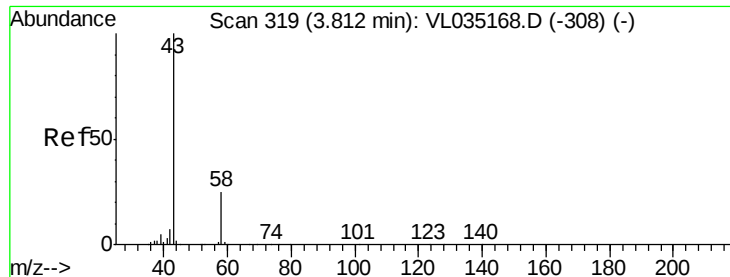
Tgt Ion: 45 Resp: 42242

Ion Ratio Lower Upper

45 100

46 38.3 16.2 65.0





#15

Acetone

Concen: 0.935 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.01 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Instrument :

MSVOA_L

ClientSampleId :

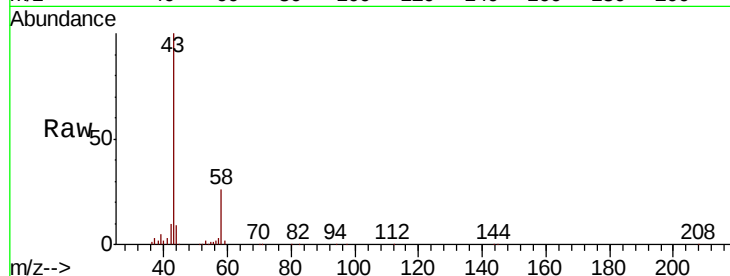
OUTDOOR-AMBIENTDL

Tot Ion: 43 Resp: 135728

Ion Ratio Lower Upper

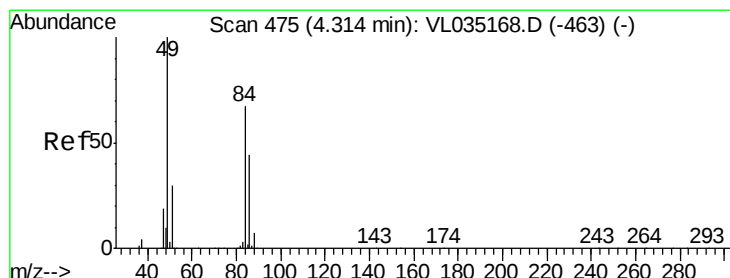
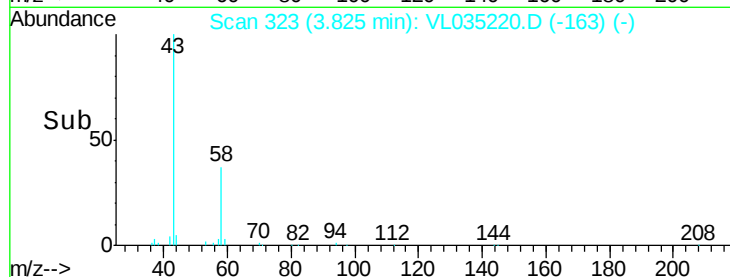
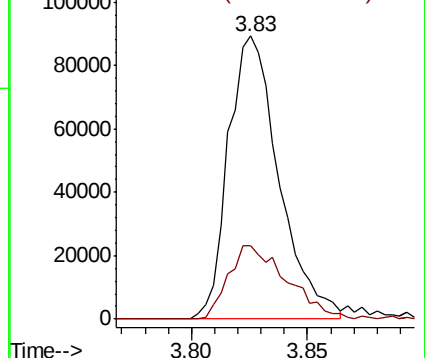
43 100

58 30.2 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.696 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Tgt Ion: 84 Resp: 43966

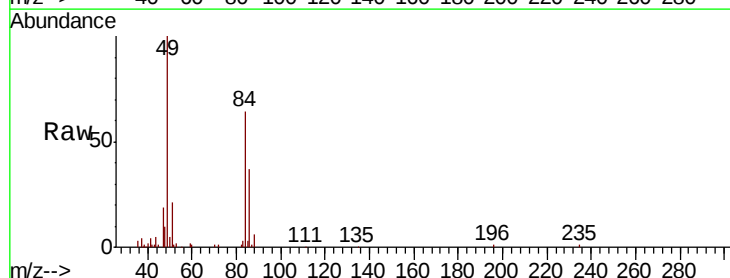
Ion Ratio Lower Upper

84 100

49 154.8 119.4 179.0

51 32.1 36.6 55.0#

86 57.3 52.5 78.7

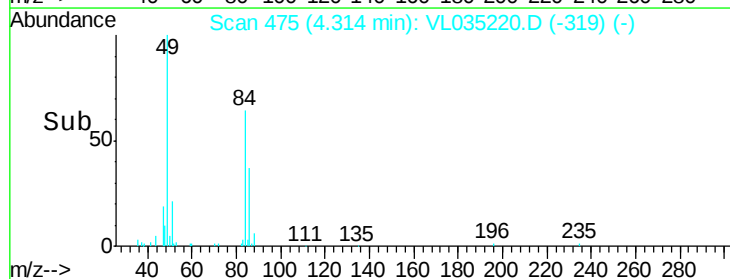
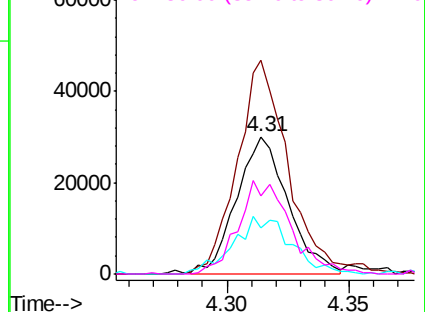


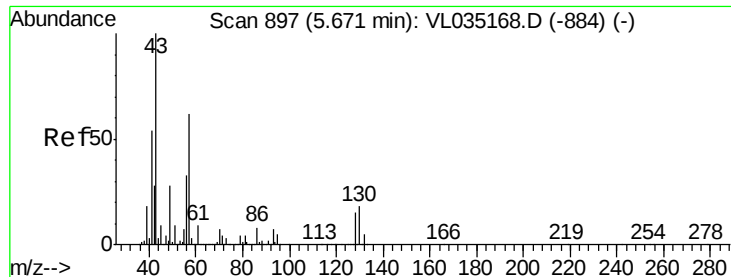
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#26

Hexane

Concen: 0.049 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Instrument :

MSVOA_L

ClientSampleId :

OUTDOOR-AMBIENTDL

Tot Ion: 57 Resp: 4916

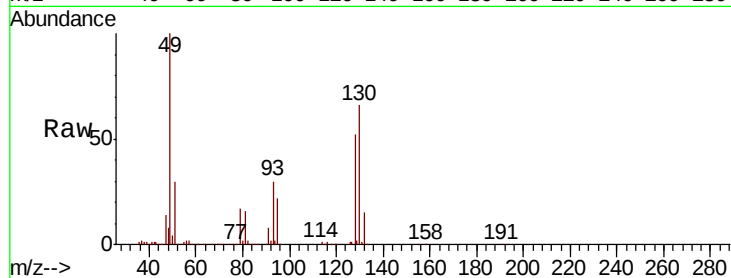
Ion Ratio Lower Upper

57 100

41 0.0 72.9 109.3#

43 0.0 179.5 269.3#

56 0.0 42.9 64.3#

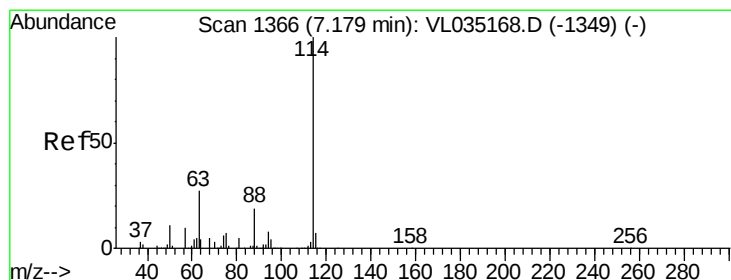
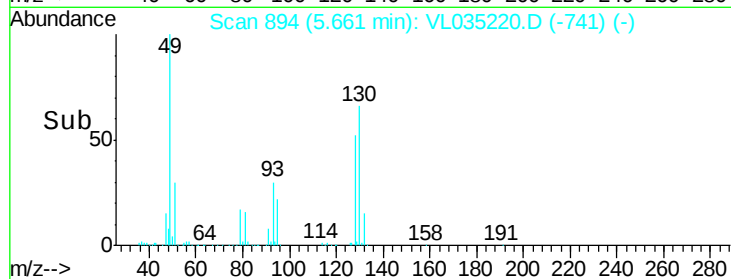
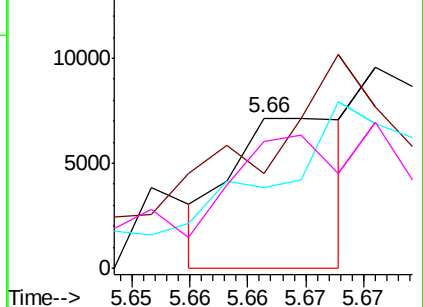


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

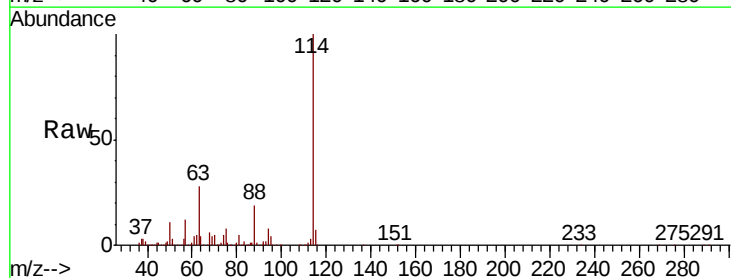
Tgt Ion:114 Resp: 2562277

Ion Ratio Lower Upper

114 100

63 27.5 22.0 33.0

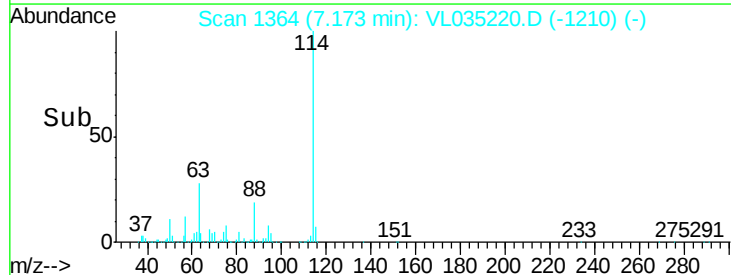
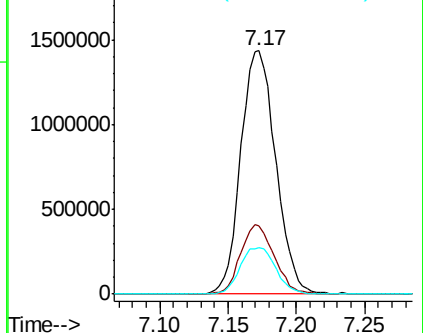
88 19.6 15.4 23.0

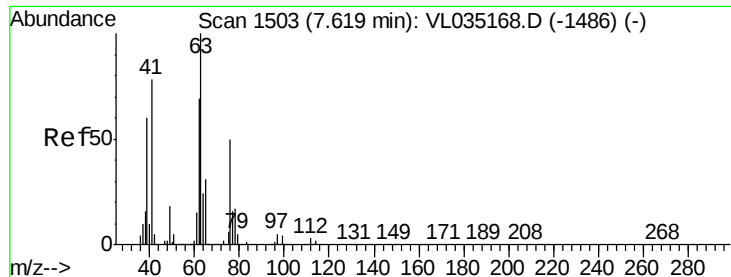


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 9.527 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Instrument :

MSVOA_L

ClientSampleId :

OUTDOOR-AMBIENTDL

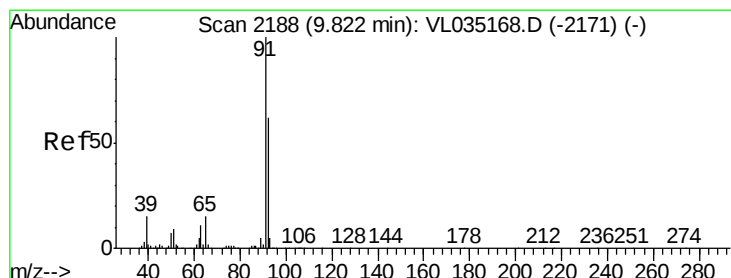
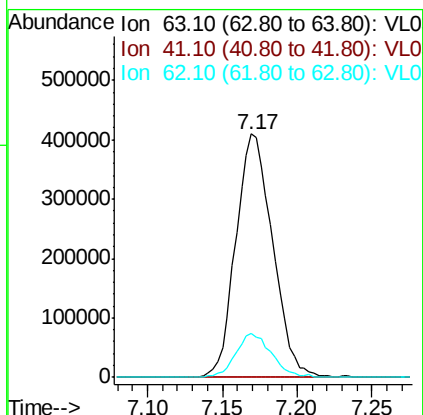
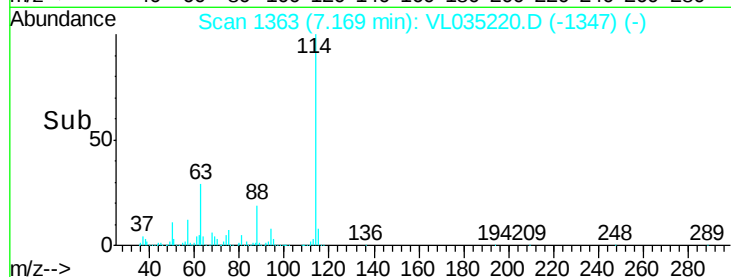
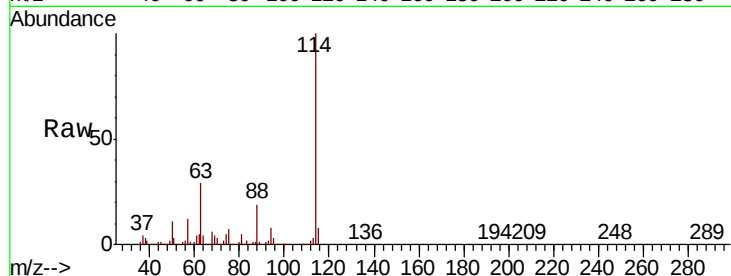
Tot Ion: 63 Resp: 702579

Ion Ratio Lower Upper

63 100

41 0.1 62.6 94.0#

62 17.8 55.0 82.6#



#53

Toluene

Concen: 0.111 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035220.D

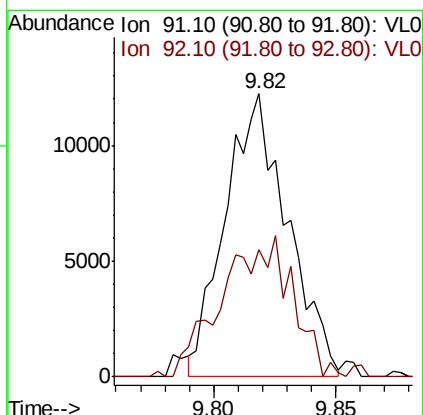
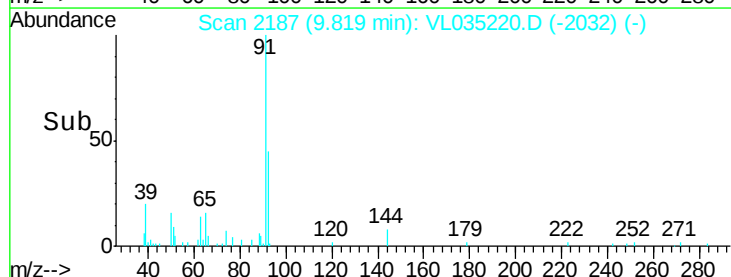
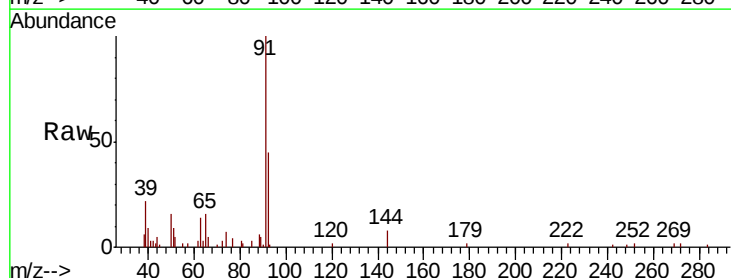
Acq: 21 Jul 2020 22:59

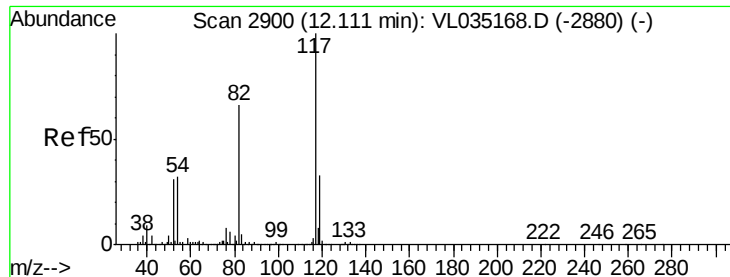
Tgt Ion: 91 Resp: 21653

Ion Ratio Lower Upper

91 100

92 56.4 48.4 72.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Instrument :

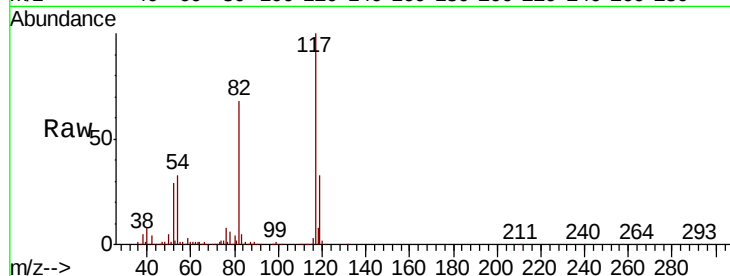
MSVOA_L

ClientSampleId :

OUTDOOR-AMBIENTDL

Tot Ion:117 Resp: 2372860

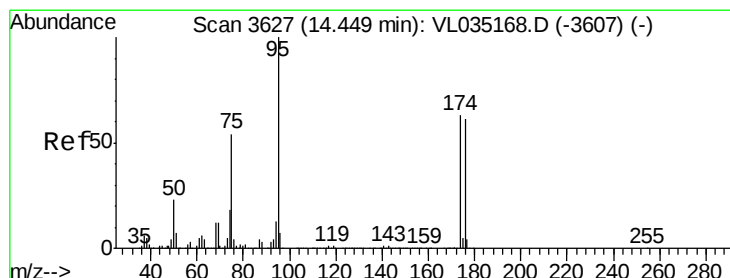
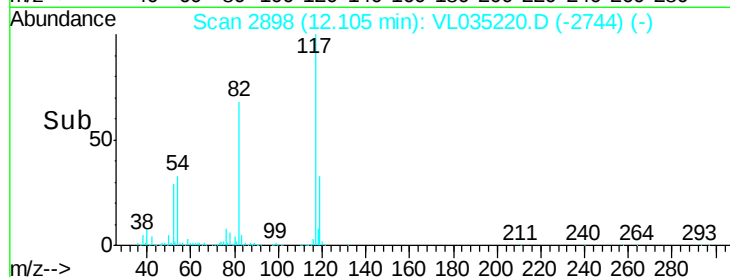
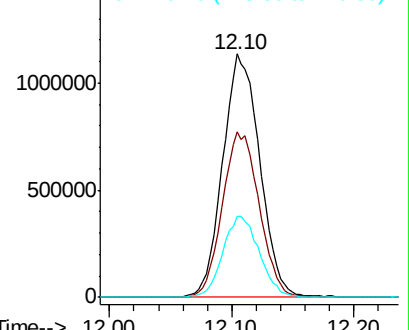
Ion	Ratio	Lower	Upper
117	100		
82	68.1	52.3	78.5
119	33.1	24.9	37.3



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: 10.078 ppbv

RT: 14.45 min Scan# 3626

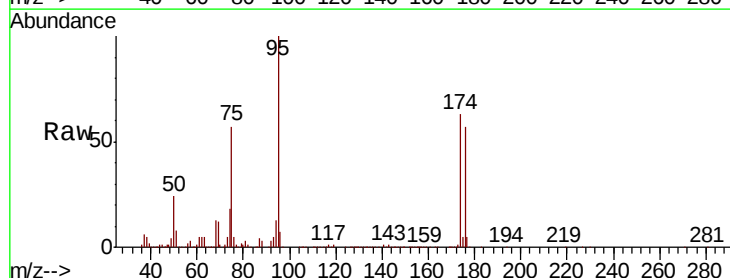
Delta R.T. -0.00 min

Lab File: VL035220.D

Acq: 21 Jul 2020 22:59

Tgt Ion: 95 Resp: 1942611

Ion	Ratio	Lower	Upper
95	100		
174	64.5	52.2	78.2
175	4.7	4.0	6.0



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

